TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK

BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

STATE OF MARYLAND

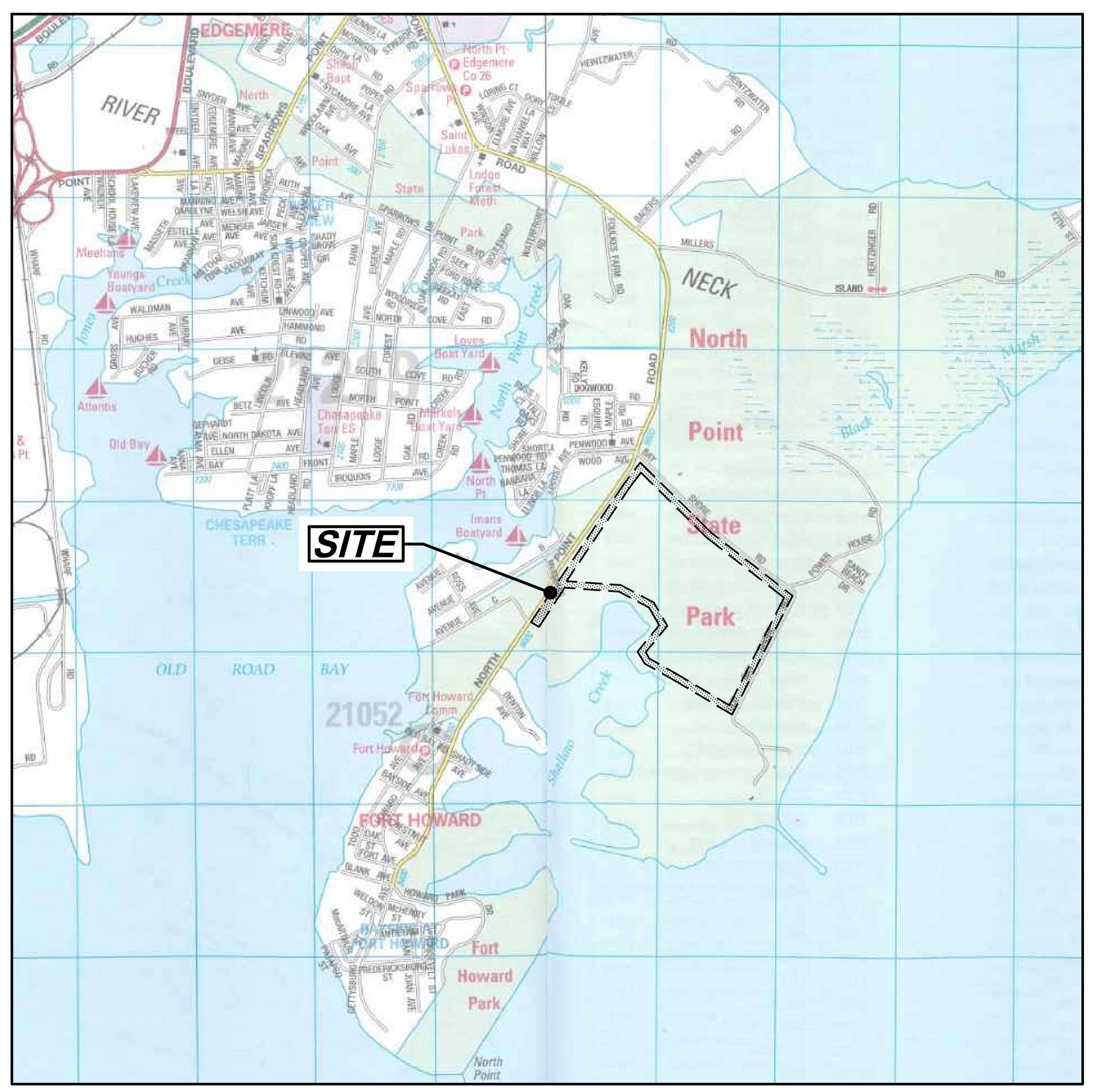
DEPARTMENT OF GENERAL SERVICES
ATIF CHAUDHRY, SECRETARY
301 WEST PRESTON STREET
BALTIMORE, MARYLAND 21201

DEPARTMENT OF NATURAL RESOURCES
JOSH KURTZ, SECRETARY
580 TAYLOR AVENUE
ANNAPOLIS, MARYLAND 21401

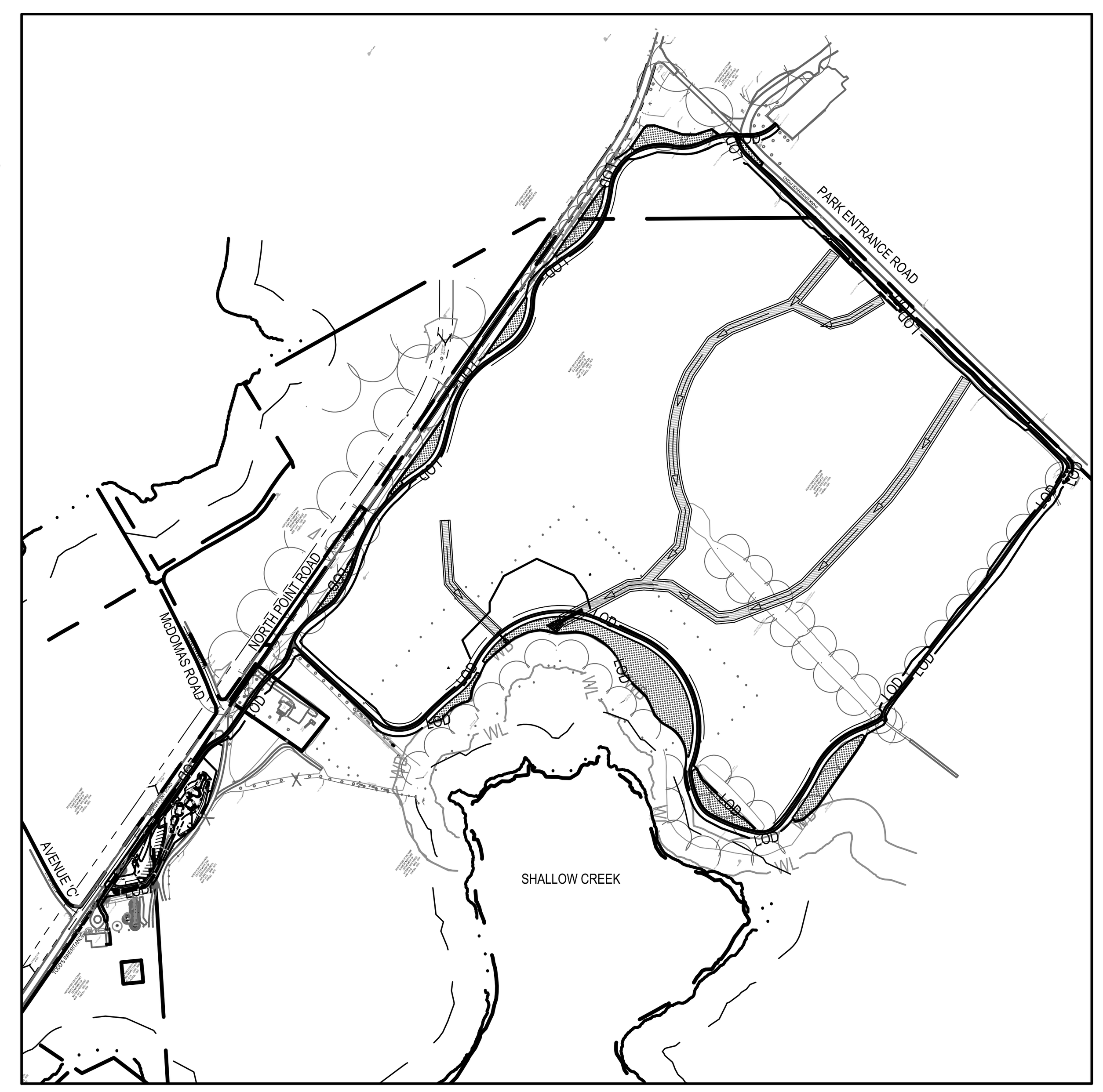
BOARD OF PUBLIC WORKS
WES MOORE, GOVERNOR
BROOKE LIERMAN, COMPTROLLER
DERECK E. DAVIS, TREASURER

GENERAL NOTES:

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE DESCRIPTION OF THE UNDERGROUND UTILITIES AS SHOWN HEREON WERE BASED SOLELY UPON FIELD OBSERVATIONS AND HAVE NOT BEEN COMPARED TO OR VERIFIED WITH RECORD UTILITY DRAWINGS OR FIELD TEST PITS. THE SIZE, TYPE AND LOCATION OF THE UTILITY LINES SHOULD BE VERIFIED BY THE USER OF THIS DRAWING.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ACTUAL SITE CONDITIONS PRIOR TO THE START OF ANY WORK. THERE IS NO WARRANTY OR GUARANTEE ON THE COMPLETENESS OR CORRECTNESS OF THE EXISTING CONDITION INFORMATION. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE START OF ANY WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" AT 1-800-257-7777 THREE DAYS PRIOR TO THE START OF ANY EXCAVATION WORK.
4. THE WORDS "CERTIFY" OR "CERTIFICATION" AS USED HEREON ARE UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE UNDERSIGNED SURVEYOR, BASED UPON HIS BEST KNOWLEDGE, INFORMATION, AND BELIEF. AS SUCH, IT DOES NOT CONSTITUTE A GUARANTEE NOR A WARRANTY, EXPRESSED OR IMPLIED.
5. THE CONTRACTOR SHALL STAKE-OUT ALL BASELINES OF CONSTRUCTION AND THE LOCATION OF ALL NEW CONSTRUCTION, AND VERIFY ALL SETBACKS, OFFSETS, AND CLEARANCES PRIOR TO START OF ANY WORK.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY INVERTS AND CLEARANCES FROM NEW WORK PRIOR TO START OF ANY WORK.
7. ALL DISTURBED AREAS NOT STABILIZED WITH STRUCTURES, PAVING, AND PLANTINGS SHALL BE STABILIZED WITH FOUR INCHES OF TOPSOIL, SEED, MULCH, AND WATER TO ESTABLISH AN ADEQUATE GROWTH OF GRASS.
8. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
9. THE TOPS OF ALL FRAMES, GRATES, AND COVERS OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONTRACT AND/OR DISTURBANCE SHALL BE ADJUSTED TO THE NEW GRADES.
10. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL PROVIDE ALL NEEDED LABOR, EQUIPMENT, AND MATERIALS TO PROTECT THE PROJECT SITE FROM PONDING WATER AND FLOODING.
11. NUMERICAL DIMENSIONS AND ELEVATIONS SHOWN SHALL SUPERSEDE ANY DISCREPANCY IN THE SCALING ON THE DRAWINGS.



VICINITY MAP
SCALE: 1"=2000'



LOCATION MAP
SCALE: 1"=400'

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C100	EXISTING CONDITIONS AND DEMOLITION PLAN
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C202	SITE PLAN
C203	SITE PLAN
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C301	SITE DETAILS
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CA101	CRITICAL AREA PLAN

CIVIL AND LANDSCAPE ARCHITECTURE
WHITNEY, BAILEY, COX & MAGNANI, LLC.
300 EAST JOPPA ROAD, SUITE 200
BALTIMORE, MD 21286

DEPARTMENT OF GENERAL SERVICES APPROVAL	
PROJECT MANAGER	DATE
CHIEF-ARCHITECT PROJ. MGT. & DESIGN	DATE

TOTAL AREA OF SITE	1,234.20 Acres
AREA DISTURBED	7.62 Acres
AREA TO BE ROOFED OR PAVED	1.37 Acres
TOTAL CUT	450 cu.yds.
TOTAL FILL	3,550 cu.yds.

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

WHITNEY BAILEY COX & MAGNANI, LLC
300 East Joppa Road Suite 200
Baltimore, MD 21286
410.512.4500 www.wbcm.com
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Designing Infrastructure for Tomorrow®

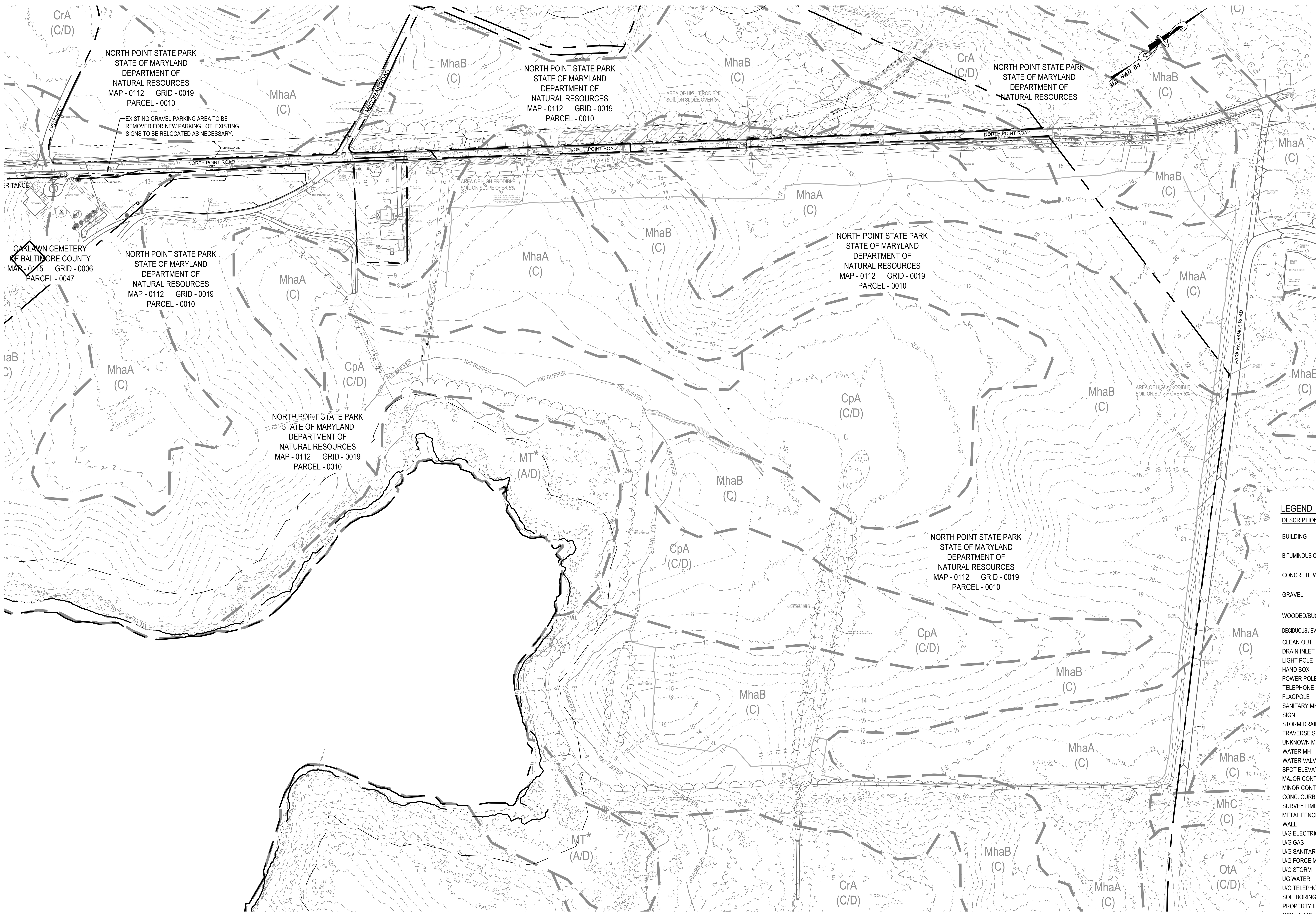
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

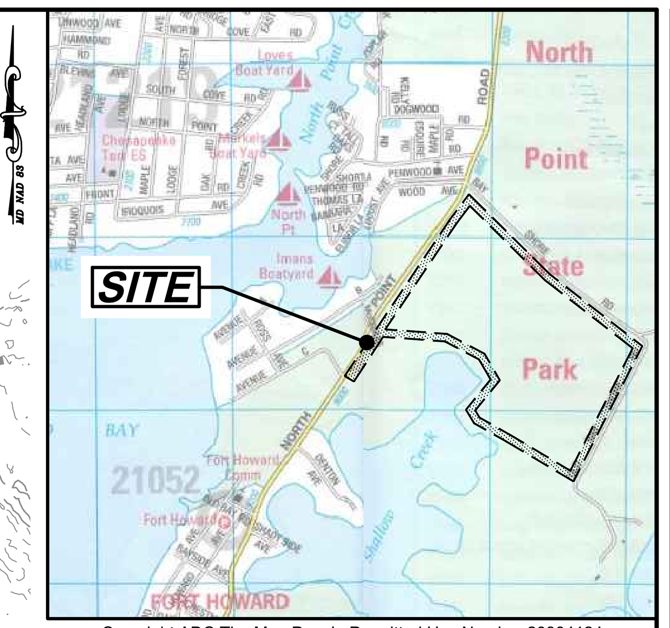
License # Expiration Date:

TITLE SHEET

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	AS SHOWN
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	G100





Copyright ADC The Map People Permitted Use Number 20904124

VICINITY MAP
SCALE: 1" = 2000'

PLAN
SCALE: 1" = 120'

LEGEND

DESCRIPTION	EXISTING	REMOVE
BUILDING	EX. BLDG	
BITUMINOUS CONCRETE PAVING	EX. MACADAM	
CONCRETE WALK	EX. CONC. WALK	
GRAVEL	EX. GRAVEL	
WOODED/BUSH AREA		
DECIDUOUS / EVERGREEN TREES	12" 6" 3"	12" 6" 3"
CLEAN OUT	C.O.	
DRAIN INLET		
LIGHT POLE		
HAND BOX	H.B.	
POWER POLE		
TELEPHONE RISER	TR	
FLAGPOLE	FP	
SANITARY MH	S	
SIGN		
STORM DRAIN MH	D	
TRAVERSE STATION	900	
UNKNOWN MH	U	
WATER MH	W	
WATER VALVE		
SPOT ELEVATION	× 125.5	
MAJOR CONTOUR	125	
MINOR CONTOUR	126	
CONC. CURB		
SURVEY LIMITS		
METAL FENCE	X X	
WALL		
U/G ELECTRIC	E	
U/G GAS	G	
U/G SANITARY	SS	
U/G FORCE MAIN	FM	
U/G STORM	D	
U/G WATER	W	
U/G TELEPHONE	T	
SOIL BORING	B#	
PROPERTY LINE		
SOIL LINE	MT* (D) GB (B)	
* INDICATES HYDRIC SOILS		
MEDIAN HIGH WATER		
MHW BUFFER		
TIDAL WETLANDS LIMIT	TWL	
WETLANDS BUFFER	100' BUFFER	

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

1"=120'-0" 120 0 60 120 240

NOTE: ENTIRE SITE RESIDES WITHIN THE CRITICAL AREA.

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

WHITNEY BAILEY COX & MAGNANI, LLC
300 East Joppa Road Suite 200
Baltimore, MD 21286
410.512.4500 www.wbcm.com

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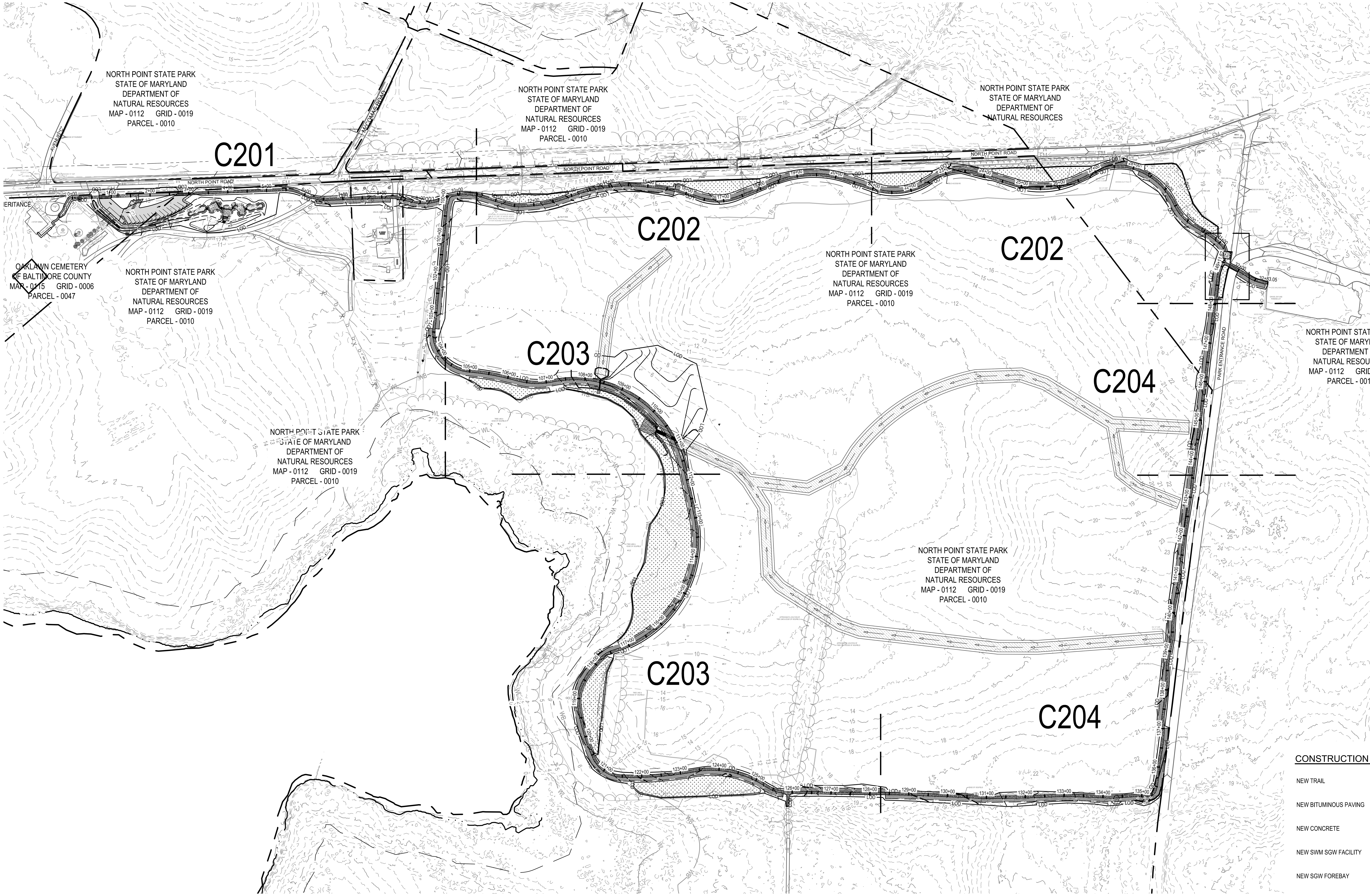
License # Expiration Date:

OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=120'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	

C100



PLAN
SCALE: 1" = 120'

CONSTRUCTION LEGEND:

- NEW TRAIL
- NEW BITUMINOUS PAVING
- NEW CONCRETE
- NEW SWM SGW FACILITY
- NEW SGW FOREBAY
- NEW SWM DISCONNECT
- NEW LANDSCAPE PLANTING AREA

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

120 0 60 120 240
1"=120'-0"

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

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License # Expiration Date:

OVERALL SITE PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=120'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	C200

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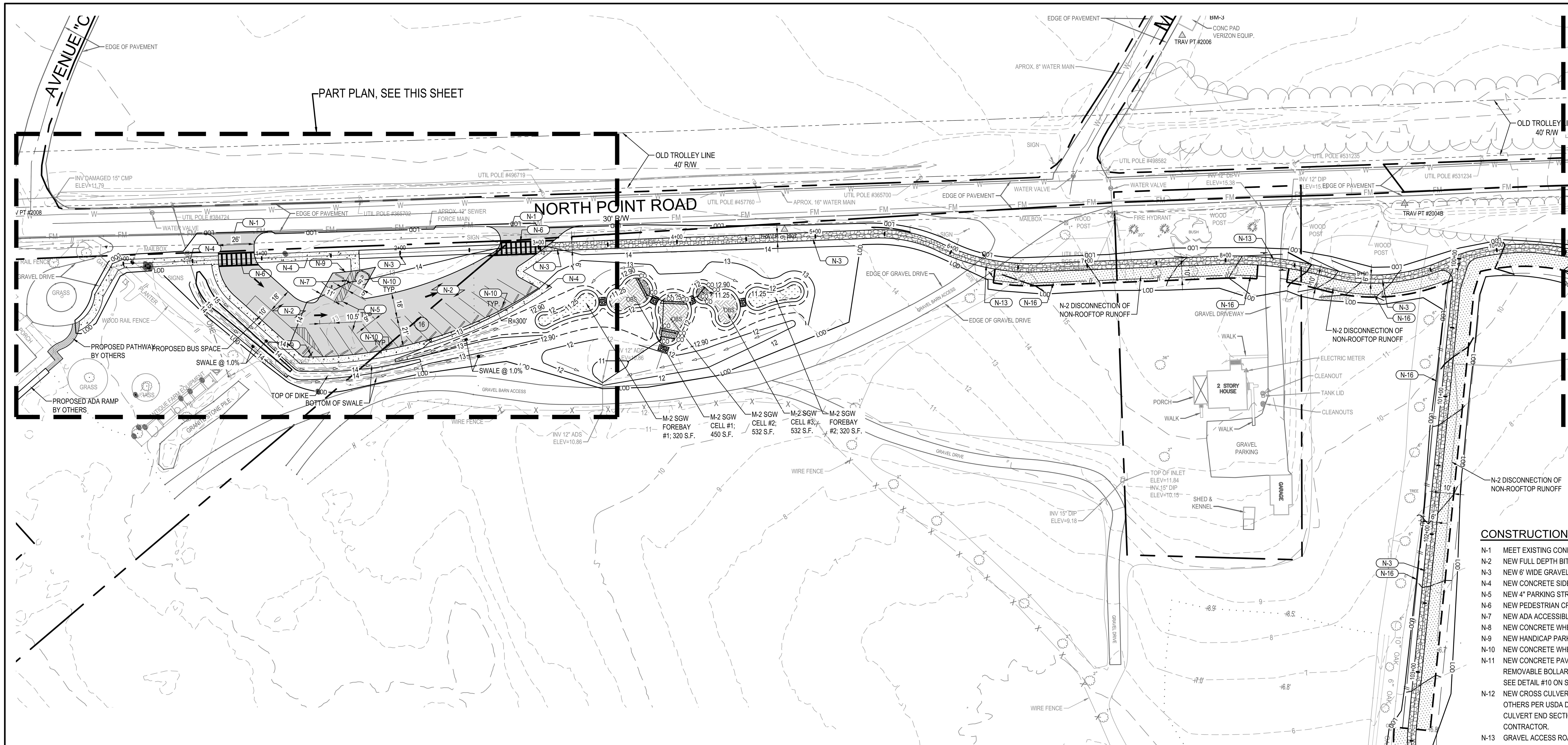
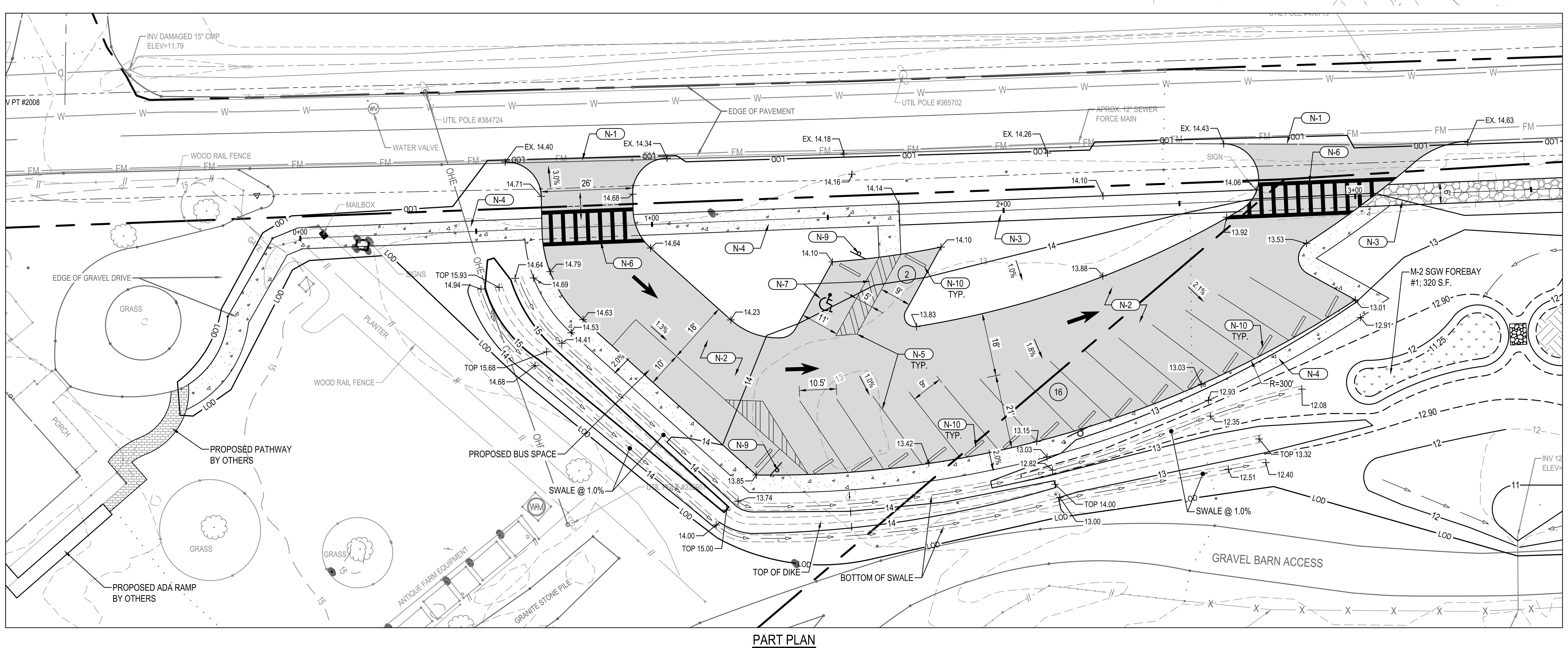


PLAN
SCALE: 1" = 40'



PART PLAN
SCALE: 1" = 20'

CONSTRUCTION NOTES:

N-1 MEET EXISTING CONDITIONS.
N-2 NEW FULL DEPTH BITUMINOUS CONCRETE PAVING. SEE DETAIL #1 ON SHEET C301.
N-3 NEW 6' WIDE GRAVEL TRAIL. SEE DETAIL #4 ON SHEET 301.
N-4 NEW CONCRETE SIDEWALK. SEE DETAIL #2 ON SHEET 301.
N-5 NEW 4" PARKING STRIPING. SEE DETAIL #3 ON SHEET 301.
N-6 NEW PEDESTRIAN CROSSWALK. SEE DETAIL #5 ON SHEET 301.
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N-12 NEW CROSS CULVERT AT TRAIL CROSSING OF PLANNED GRASSED WATERWAY BY OTHERS PER USDA DRAWINGS. SWALE CROSS-SECTION TO TRANSITION TO CULVERT END SECTION. CONTRACTOR SHALL COORDINATE WITH USDA PROJECT CONTRACTOR.
N-13 GRAVEL ACCESS ROAD CROSSING, NO CHANGES TO OCCUR TO PATH. PEDESTRIAN CROSSING SIGNS TO BE INSTALLED.
N-14 NEW 30"x19" CONCRETE ELLIPTICAL PIPE CULVERT.
N-15 NEW TWIN 48"x36" CONCRETE ELLIPTICAL PIPE CULVERT.
N-16 NEW 3-RAIL BOARD FENCE, SEE DETAIL #11 ON SHEET C301.

NOTE: ALL STRIPING AND SIGNAGE SHALL MEET MUTCD STANDARDS.

CONSTRUCTION LEGEND:

NEW TRAIL
NEW BITUMINOUS PAVING
NEW CONCRETE
NEW SWM SGW FACILITY
NEW SGW FOREBAY
NEW SWM DISCONNECT
NEW LANDSCAPE PLANTING AREA
NEW GRASS WATERWAYS
(BY OTHERS)

CAUTION:
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1"=20'-0" 20 0 10 20 40

CAUTION:
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1"=40'-0" 40 0 20 40 80

75% CONSTRUCTION DOCUMENTS
MDE # 22-SF-0129

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Baltimore, MD 21286
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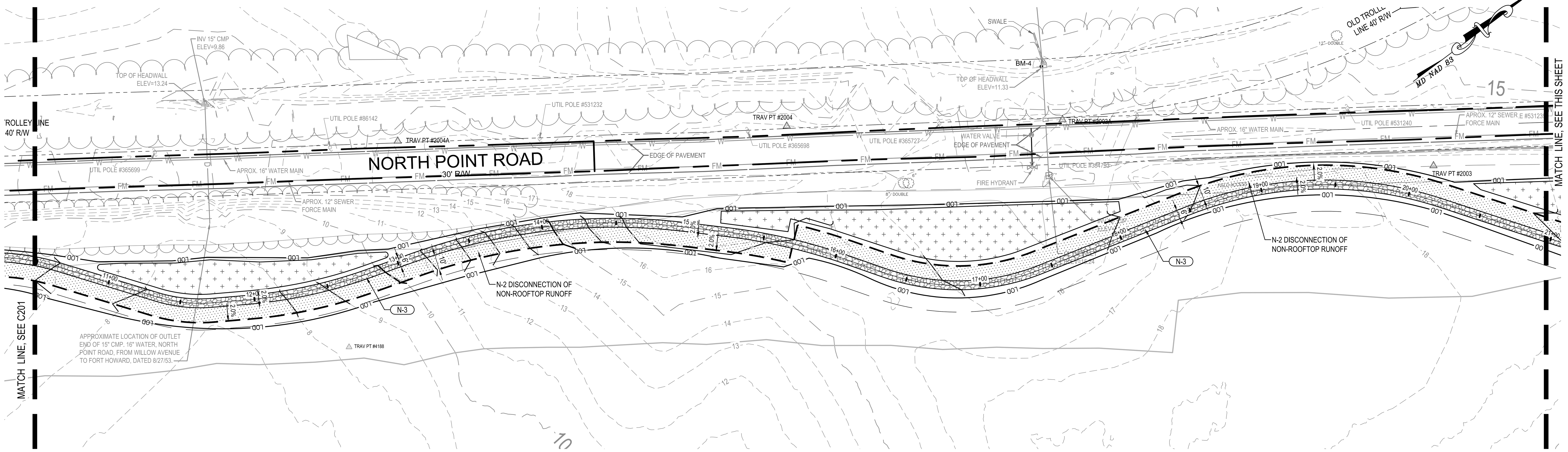
License # 27734 Expiration Date: 07/12/24

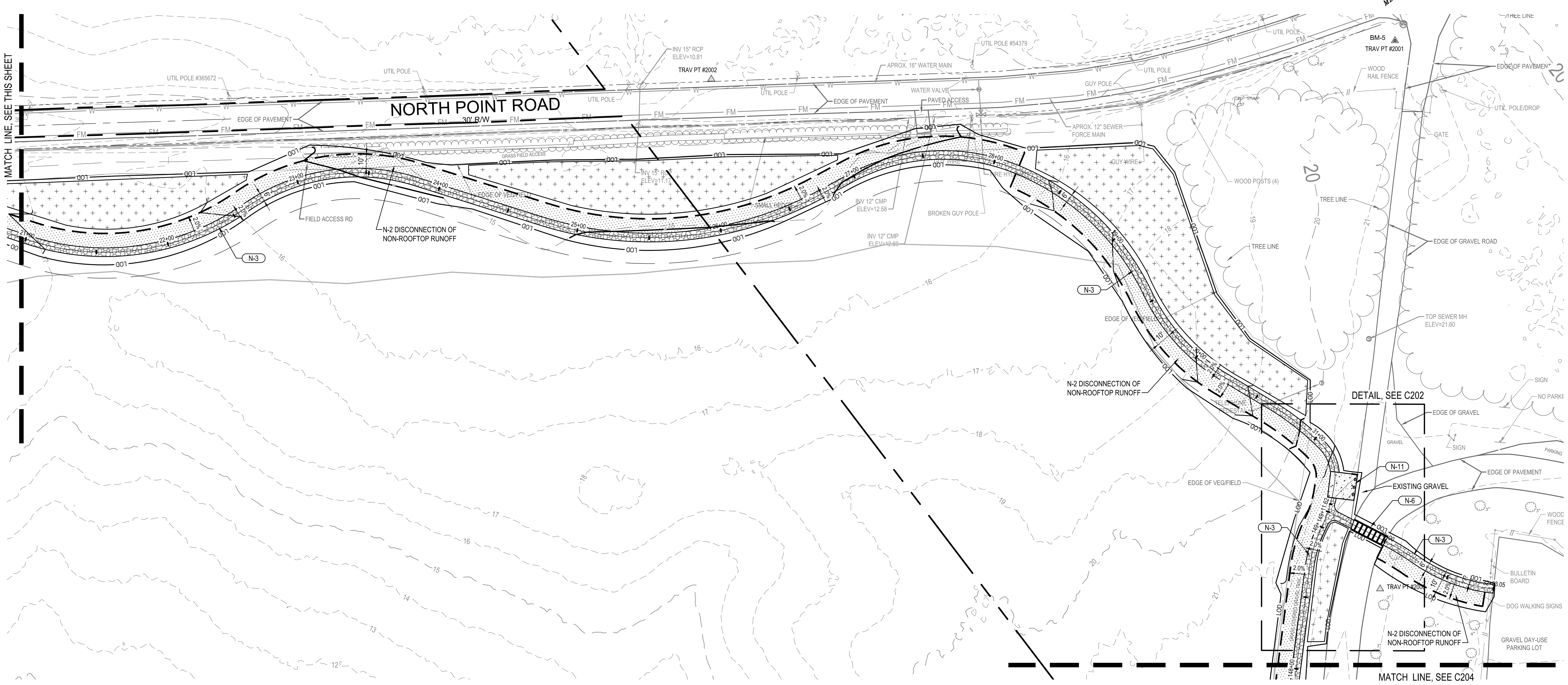
SITE PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	AS SHOWN
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	C201



PLAN
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'

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CONSTRUCTION LEGEND:

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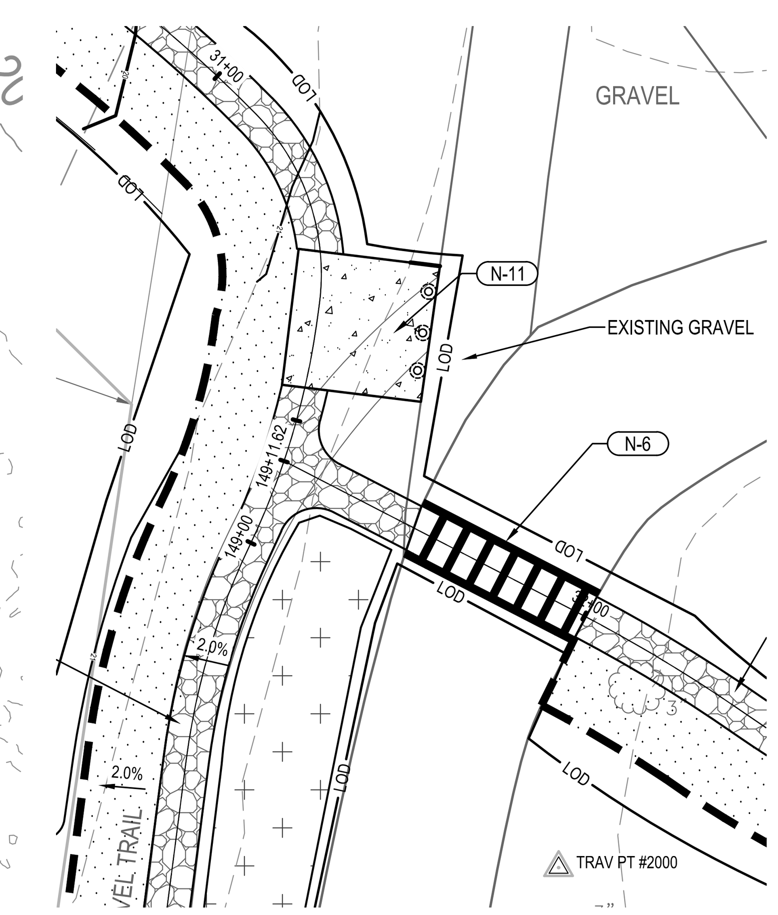

DETAIL
SCALE: 1" = 20'

CAUTION:
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1"=40'-0" 40 0 20 40 80

MDE # 22-SF-0129

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Baltimore, MD 21286
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SITE PLAN

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BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=40'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	C202

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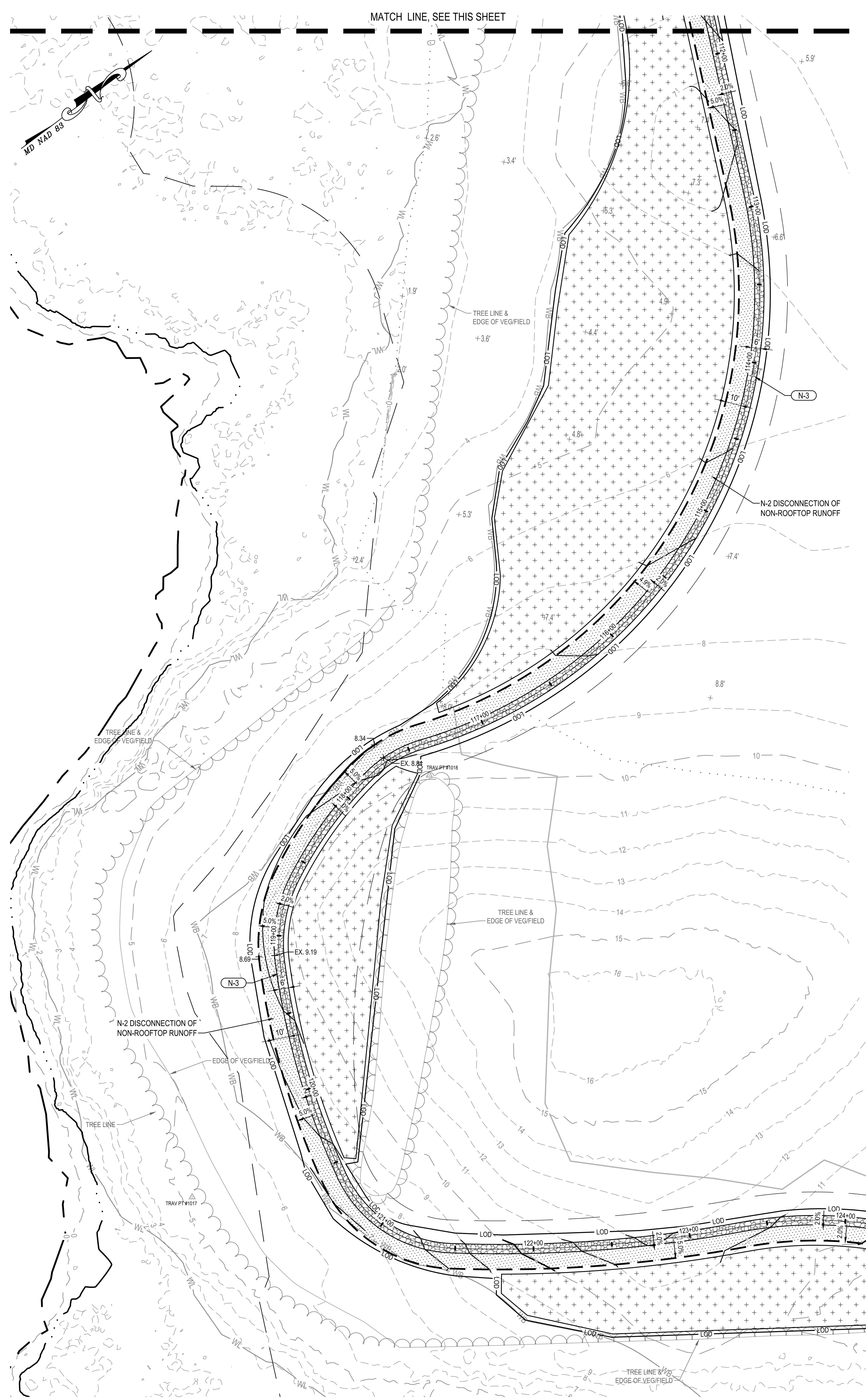
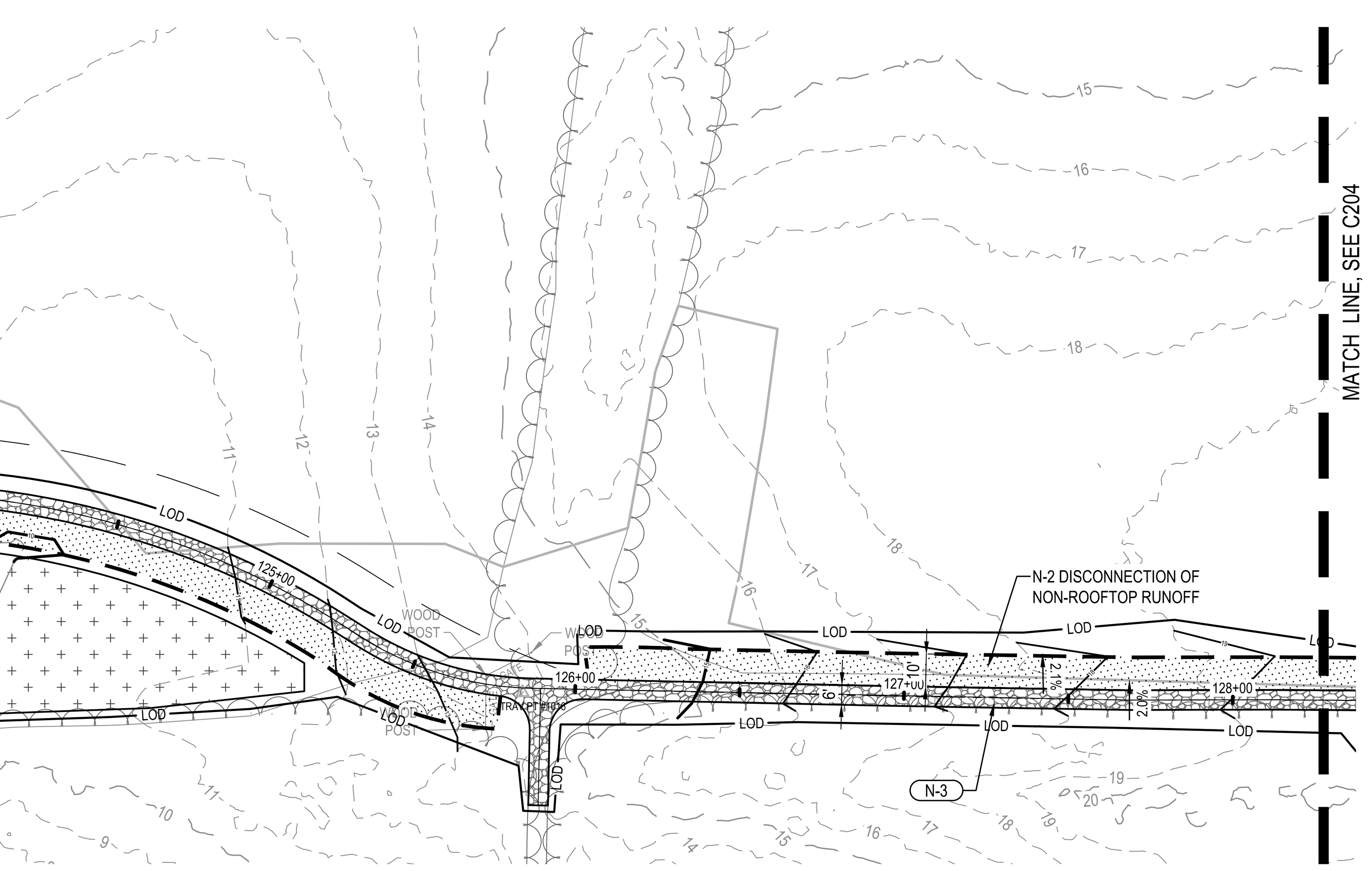
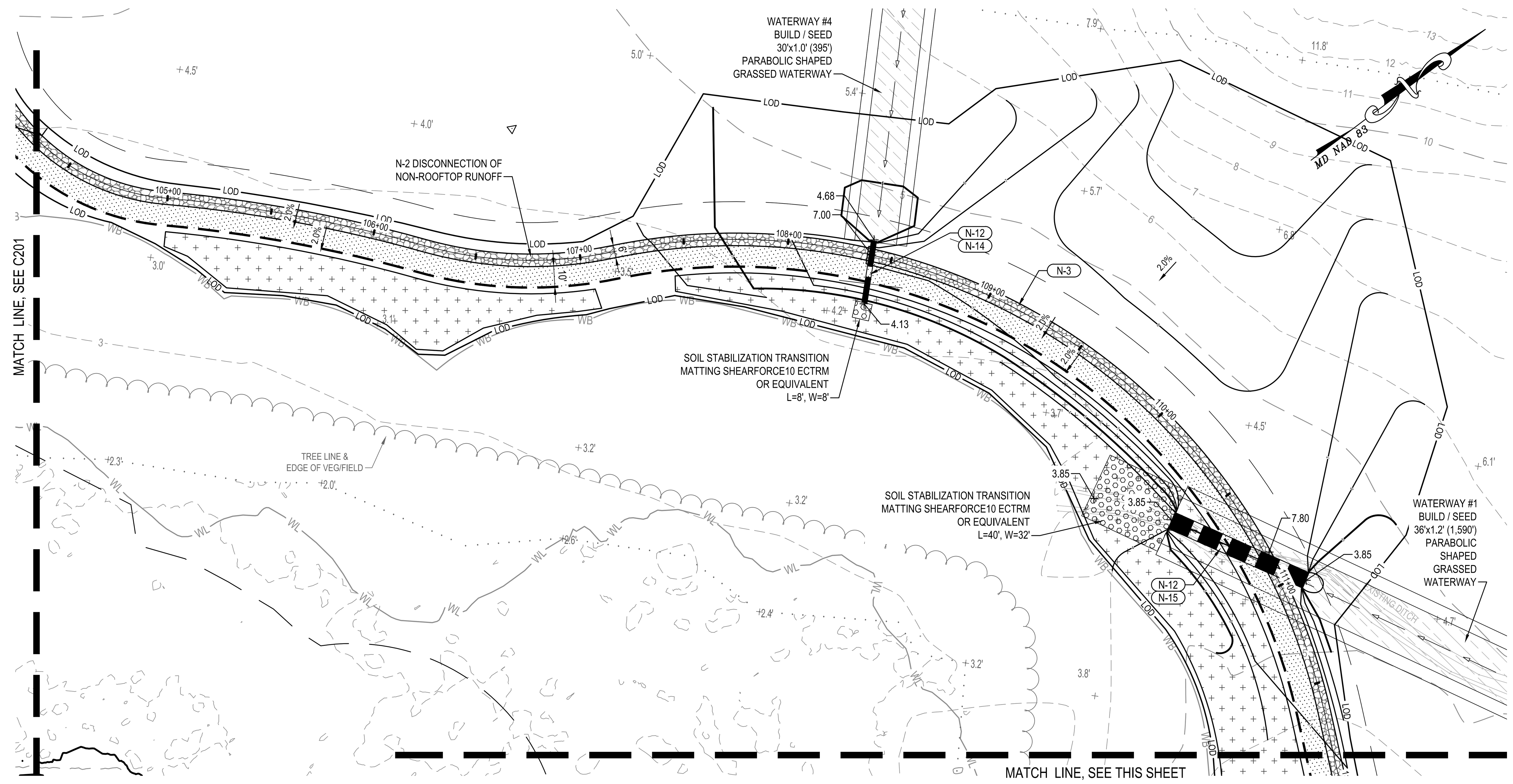
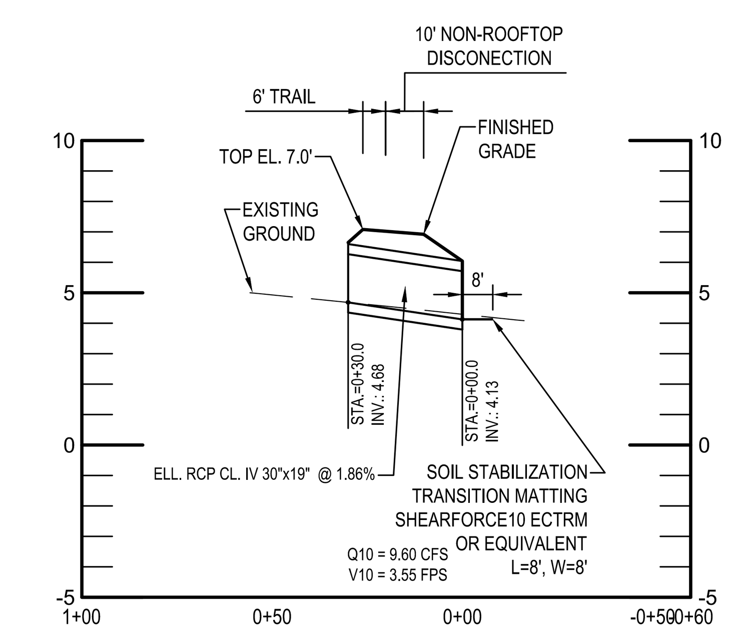



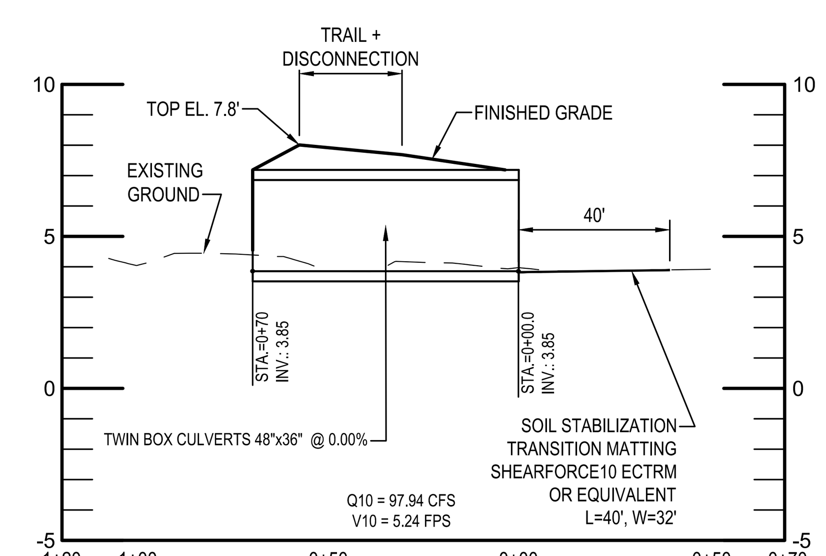
PLAN
SCALE: 1" = 40'



PLAN
SCALE: 1" = 40'



CULVERT 1 CROSSING
SCALE: HORIZ. 1"=40' VERT. 1"=5'



CULVERT 2 CROSSING
SCALE: HORIZ. 1"=40' VERT. 1"=5'

CONSTRUCTION NOTES:

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CONSTRUCTION LEGEND:

- NEW TRAIL
- NEW BITUMINOUS PAVING
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- NEW SGW FOREBAY
- NEW SWM DISCONNECT
- NEW LANDSCAPE PLANTING AREA
- NEW GRASS WATERWAYS (BY OTHERS)

CAUTION:
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1"=40'-0"

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

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300 East Joppa Road Suite 200
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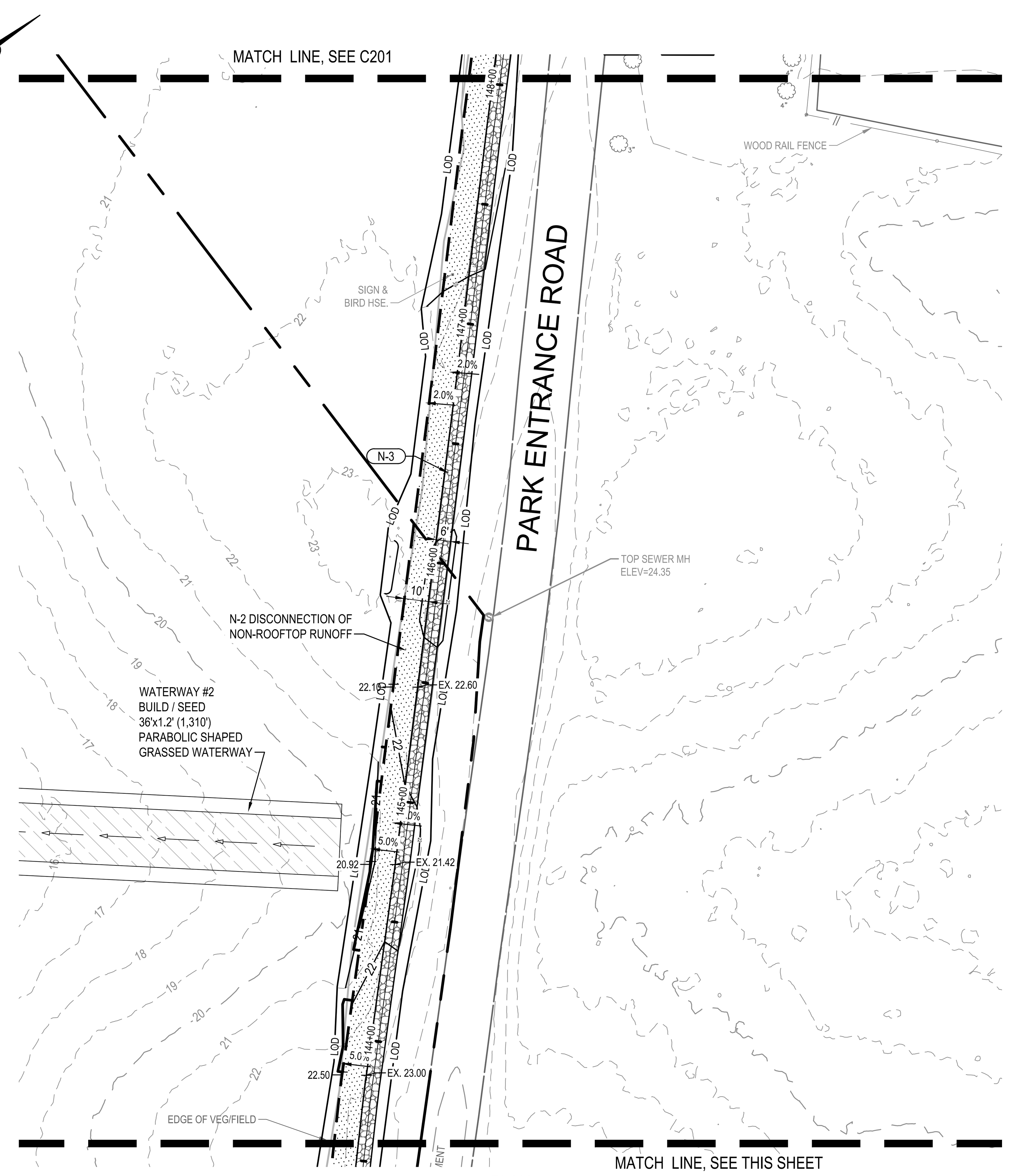
License # Expiration Date:

SITE PLAN

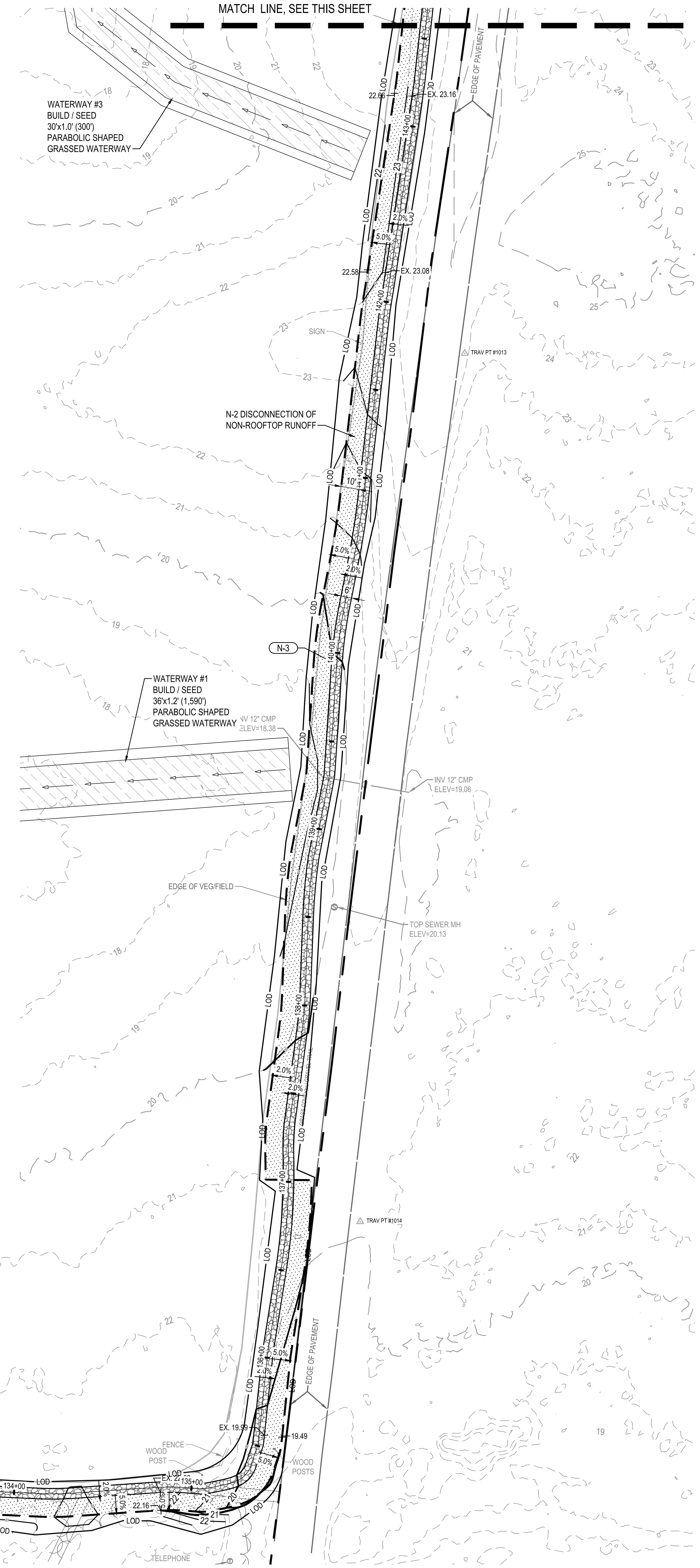
TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

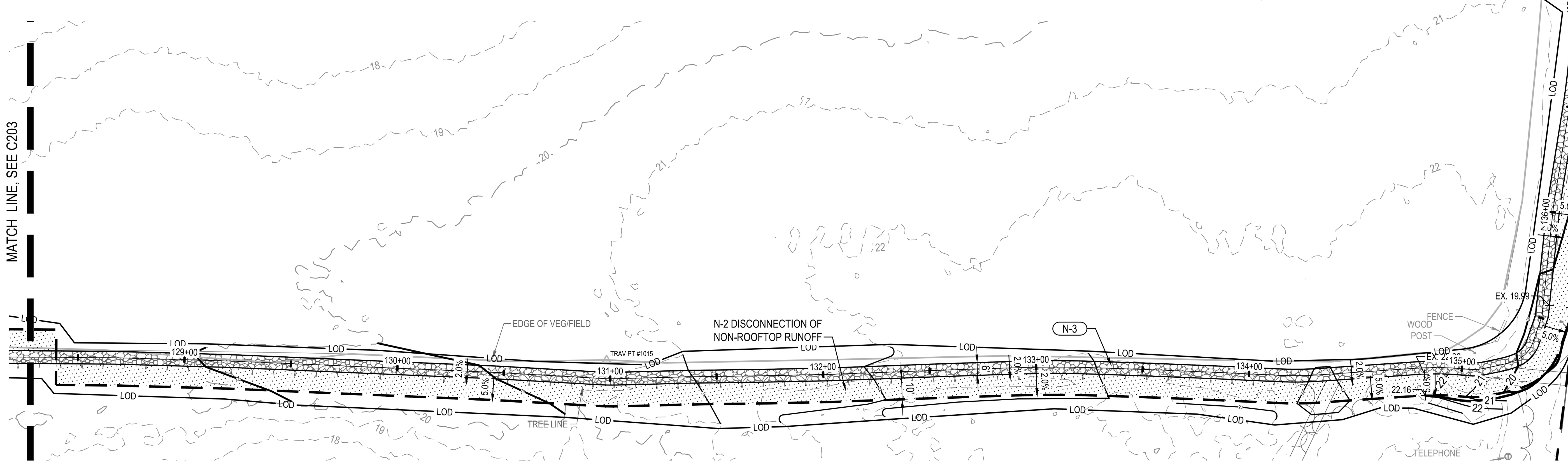
DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=40'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	

C203



PLAN
SCALE: 1" = 40'





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SCALE: 1" = 40'

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- N-5 NEW 4" PARKING STRIPING. SEE DETAIL #3 ON SHEET 301.
- N-6 NEW PEDESTRIAN CROSSWALK. SEE DETAIL #5 ON SHEET 301.
- N-7 NEW ADA ACCESSIBLE PARKING SPACE STRIPING. SEE DETAIL #6 ON SHEET 301.
- N-8 NEW CONCRETE WHEEL STOP. SEE DETAIL #7 ON SHEET 301.
- N-9 NEW HANDICAP PARKING AND BUS PARKING SIGN. SEE DETAIL #8 ON SHEET 301.
- N-10 NEW CONCRETE WHEEL STOP. SEE DETAIL #7 ON SHEET C301.
- N-11 NEW CONCRETE PAVING FOR FARM VEHICLE ACCESS CROSSING OF TRAIL. 3 REMOVABLE BOLLARDS TO BE PLACED TO PREVENT VEHICLE ACCESS TO TRAIL. SEE DETAIL #10 ON SHEET C301.
- N-12 NEW CROSS CULVERT AT TRAIL CROSSING OF PLANNED GRASSED WATERWAY BY OTHERS PER USDA DRAWINGS. SWALE CROSS-SECTION TO TRANSITION TO CULVERT END SECTION. CONTRACTOR SHALL COORDINATE WITH USDA PROJECT CONTRACTOR.
- N-13 GRAVEL ACCESS ROAD CROSSING, NO CHANGES TO OCCUR TO PATH. PEDESTRIAN CROSSING SIGNS TO BE INSTALLED.
- N-14 NEW 30"x19" CONCRETE ELLIPTICAL PIPE CULVERT.
- N-15 NEW TWIN 48"x36" CONCRETE ELLIPTICAL PIPE CULVERT.

NOTE: ALL STRIPING AND SIGNAGE SHALL MEET MUTCD STANDARDS.

CONSTRUCTION LEGEND:

- NEW TRAIL
- NEW BITUMINOUS PAVING
- NEW CONCRETE
- NEW SWM SGW FACILITY
- NEW SGW FOREBAY
- NEW SWM DISCONNECT
- NEW LANDSCAPE PLANTING AREA
- NEW GRASS WATERWAYS (BY OTHERS)

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

1"=40'-0" 40 0 20 40 80

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

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Designing Infrastructure for Tomorrow ®

WHITNEY BAILEY COX & MAGNANI, LLC
300 East Joppa Road Suite 200
Baltimore, MD 21286
410.512.4500 www.wbcm.com

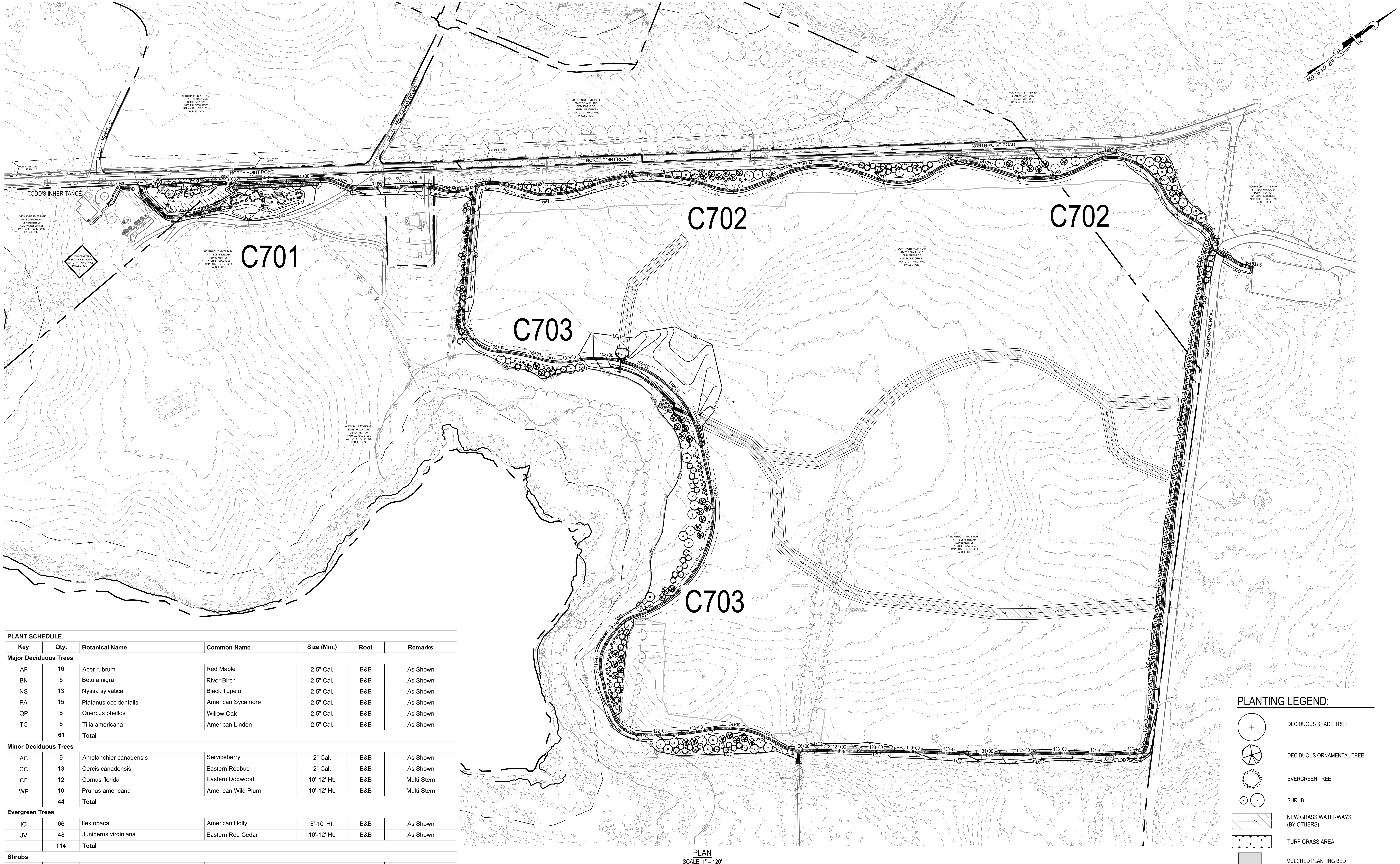
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License # Expiration Date:

SITE PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=40'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	C204



PLAN
SCALE: 1" = 120'

PLANT SCHEDULE						
Key	**Qty.**	**Botanical Name**	**Common Name**	**Size (Min.)**	**Root**	**Remarks**
Major Deciduous Trees						
AF	16	Acer rubrum	Red Maple	2.5" Cal.	B&B	As Shown
BN	5	Betula nigra	River Birch	2.5" Cal.	B&B	As Shown
NS	13	Nyssa sylvatica	Black Tupelo	2.5" Cal.	B&B	As Shown
PA	15	Platanus occidentalis	American Sycamore	2.5" Cal.	B&B	As Shown
QP	6	Quercus phellos	Willow Oak	2.5" Cal.	B&B	As Shown
TC	6	Tilia americana	American Linden	2.5" Cal.	B&B	As Shown
	61	**Total**				
Minor Deciduous Trees						
AC	9	Amelanchier canadensis	Serviceberry	2" Cal.	B&B	As Shown
CC	13	Cercis canadensis	Eastern Redbud	2" Cal.	B&B	As Shown
CF	12	Cornus florida	Eastern Dogwood	10'-12' Ht.	B&B	Multi-Stem
WP	10	Prunus americana	American Wild Plum	10'-12' Ht.	B&B	Multi-Stem
	44	**Total**				
Evergreen Trees						
IO	66	Ilex opaca	American Holly	8'-10' Ht.	B&B	As Shown
JV	48	Juniperus virginiana	Eastern Red Cedar	10'-12' Ht.	B&B	As Shown
	114	**Total**				
Shrubs						
Aa	9	Aronia arbutifolia	Red Chokeberry	#5	B&B	24" HT. 1 male per 7
Ap	25	Aesculus parviflora	Bottlebrush buckeye	#7	B&B	24" - 36" Sprd / HT.
Ha	22	Hydrangea aborscens 'Annabelle'	Smooth Hydrangea	#7	B&B	24" - 36" Sprd / HT.
Ig	15	Ilex glabra	Inkberry	#4	CONT.	3' O.C.
Ih	9	Itea virginica 'Henrys Garnet'	Virginia Sweetspire	#5	CONT.	5' O.C.
Va	30	Viburnam accerfolium	Maple-leaved Viburnum	#5	CONT.	5' O.C.
Vd	21	Viburnam dentatum	Southern Arrowwood	#5	CONT.	5' O.C.
Vo	7	Viburnum opulus	Cranberrybush Viburnum	#5	CONT.	5' O.C.
Vp	5	Vaccinium palidum	Lowbush Blueberry	#5	CONT.	5' O.C.
	143	**Total**				

PLANTING LEGEND:

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUB
- NEW GRASS WATERWAYS (BY OTHERS)
- TURF GRASS AREA
- MULCHED PLANTING BED

NOTE: NATIVE CONSERVATION SEED MIX TO BE PLANTED WITHIN ALL LANDSCAPE AREAS, EXCEPT WHERE SPECIFIED TO BE TURF GRASS.

CAUTION:
IF THIS DRAWING IS A REDUCTION, USE THE GRAPHIC SCALES.

1"=120'-0" 120 0 60 120 240

MDE # 22-SF-0129

NO.	DATE	REVISION	BY

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License # Expiration Date:

OVERALL LANDSCAPE PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=120'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	C700

Apr 25, 2023 - 3:33pm User: ddillon

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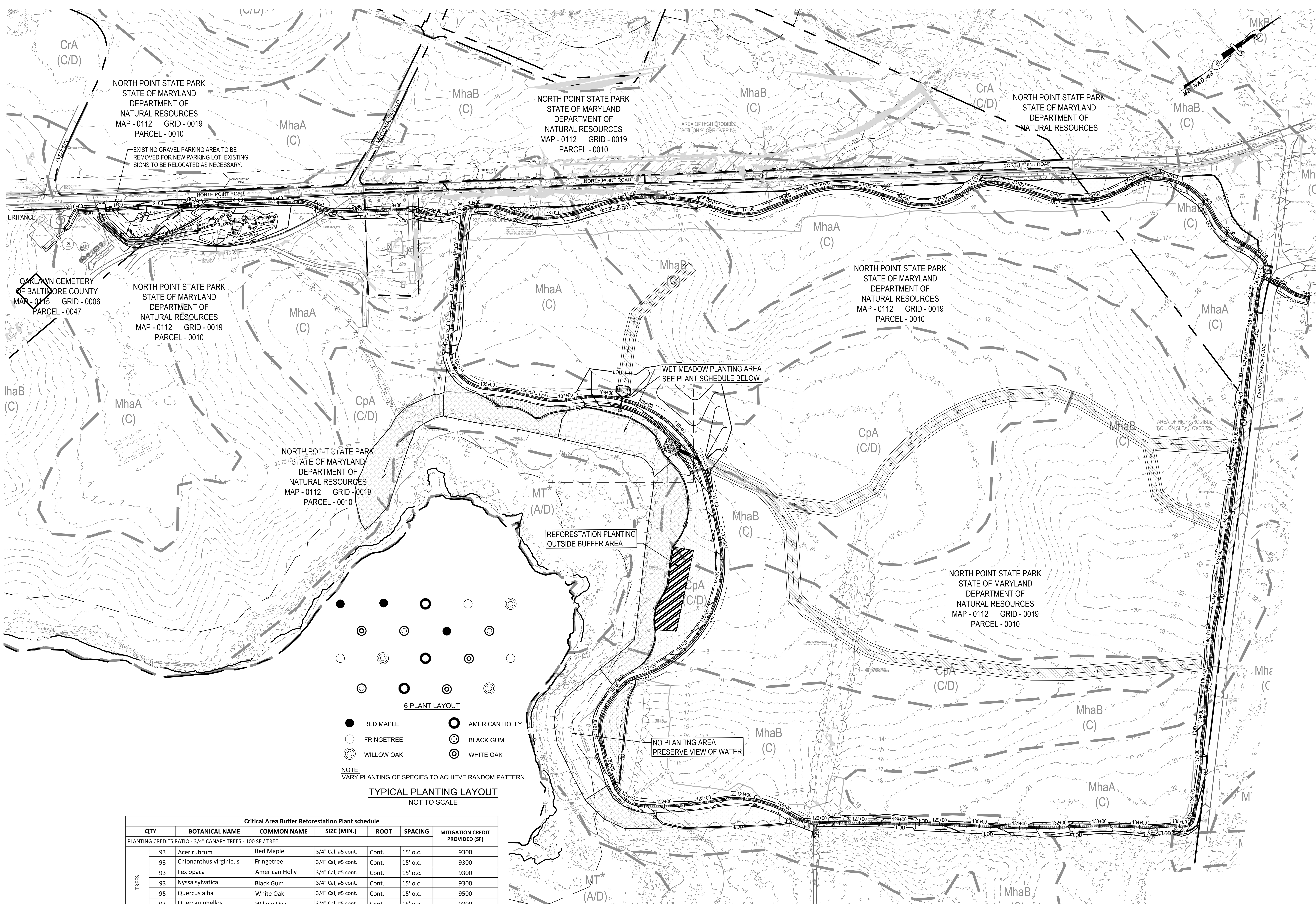

NOTE:
VARY PLANTING OF SPECIES TO ACHIEVE RANDOM PATTERN.

TYPICAL PLANTING LAYOUT
NOT TO SCALE

Critical Area Buffer Reforestation Plant schedule

	QTY	BOTANICAL NAME	COMMON NAME	SIZE (MIN.)	ROOT	SPACING	MITIGATION CREDIT PROVIDED (SF)
PLANTING CREDITS RATIO - 3/4" CANAPY TREES - 100 SF / TREE							
TREES	93	Acer rubrum	Red Maple	3/4" Cal, #5 cont.	Cont.	15' o.c.	9300
	93	Chionanthus virginicus	Fringetree	3/4" Cal, #5 cont.	Cont.	15' o.c.	9300
	93	Ilex opaca	American Holly	3/4" Cal, #5 cont.	Cont.	15' o.c.	9300
	93	Nyssa sylvatica	Black Gum	3/4" Cal, #5 cont.	Cont.	15' o.c.	9300
	95	Quercus alba	White Oak	3/4" Cal, #5 cont.	Cont.	15' o.c.	9500
	93	Quercau phellos	Willow Oak	3/4" Cal, #5 cont.	Cont.	15' o.c.	9300
	560	**TOTAL**		**PLANTING CREDIT TOTAL=**			56000

Critical Area Buffer Reforestation: WET MEADOW AREA Plant schedule

	QTY	BOTANICAL NAME	COMMON NAME	SIZE (MIN.)	ROOT	SPACING	MITIGATION CREDIT PROVIDED (SF)
PLANTING CREDITS RATIO - 3/4" CANAPY TREES - 100 SF / TREE 22472 SF							
TREES	30	Acer rubrum	Red Maple	3/4" Cal, #5 cont.	Cont.	15' o.c.	3000
	30	Betula nigra	River Birch	3/4" Cal, #5 cont.	Cont.	15' o.c.	3000
	30	Liquidambar styraciflua	Sweet Gum	3/4" Cal, #5 cont.	Cont.	15' o.c.	3000
	30	Nyssa sylvatica	Black Gum	3/4" Cal, #5 cont.	Cont.	15' o.c.	3000
	30	Quercau phellos	Willow Oak	3/4" Cal, #5 cont.	Cont.	15' o.c.	3000
	150	**TOTAL**		**14980 PLANTING CREDIT TOTAL=**			**15000**
SHRUBS	19	Cephalanthus occidentalis	Buttonbush	#3 cont.	Cont.	15' o.c.	1900
	19	Ilex verticillata	Winterberry Holly	#3 cont.	Cont.	15' o.c.	1900
	19	Lindera benzoin	Spicebush	#3 cont.	Cont.	15' o.c.	1900
	19	Rhododendron viscosum	Swamp Azalea	#3 cont.	Cont.	15' o.c.	1900
	76	**TOTAL**		**7490 SF PLANTING CREDIT TOTAL=**			**7600**
				TOTAL SF PLANTING PROVIDED =			**22600**

PLAN
SCALE: 1" = 120'

PLANTING GENERAL NOTES:

1. ALL PLANT MATERIAL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.
2. MAINTENANCE PERIOD: THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAIN PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, MULCHING, RESTORING PLANTING SAUCERS, ADJUSTING AND REPAIRING TREE-STABILIZATION DEVICES, RESETTING TO PROPER GRADES OR VERTICAL POSITION, AND PERFORMING OTHER OPERATIONS AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS FOR A TWO (2) YEARS, STARTING FROM DATE OF PLANTING COMPLETION.
3. TREES WILL RECEIVE COMPOST AMENDMENT, HARDWOOD BARK MULCH AT A DEPTH OF 2-3". AND WILL BE FERTILIZED WITH PHC 4-7-4 FERTILIZER WITH MYCORRHIZAL FUNGI AND A WATER ABSORBENT GEL.
4. APPLY WEED-CONTROL BARRIERS OF NONWOVEN GEOTEXTILE FILTER FABRIC OR COMPOSITE FABRIC
5. TREES TO BE PLANTED ACCORDING TO PLANTING SEASON (FALL: MID AUGUST - MID OCTOBER, SPRING: MID MARCH - MID JUNE) AND WITH A RANDOM PATTERN.

CRITICAL AREA CALCULATIONS:

MITIGATION REQUIRED:

- LOD INSIDE CRITICAL AREA = 9.21 AC 401,414 SF
- LOD INSIDE CRITICAL AREA BUFFER = 0.0 AC 0.0 SF
- NEW IMPERVIOUS AREA INSIDE CRITICAL AREA = 1.40 AC 61,171 SF
- NEW LOT COVER INSIDE CRITICAL AREA BUFFER = 0.00 AC 0.0 SF
- NEW LOT COVERAGE: 61171 SF @ 2:1 = 2.80 AC 122,342 SF
- VEGETATION REMOVED: 0 S.F. AT 1:1 = 0.0 AC 0.0 SF

- TOTAL MITIGATION REQUIREMENT ASSOCIATED WITH PROJECT = 2.80 AC 122,342 SF

MITIGATION PROVIDED:

- CRITICAL AREA REFORESTATION PLANTING AREA = 122,342 SF / 2.80 AC
- PORTION OF PLANTING WITHIN 100' BUFFER AREA = 113303 SF / 2.60 AC
- REFORESTATION OUTSIDE BUFFER AREA = 9040 SF / .20 AC

- 2.80 AC * 200 PER AC = 560 - ¾" CAL., CONT. TREES (200 TREES PER ACRE PLANTING RATE)
- 560 TREES AT 100 SF CREDIT EACH = 56,000 SF

VICINITY MAP
SCALE: 1" = 2000'

LEGEND

DESCRIPTION	
BUILDING	EX. BLDG
BITUMINOUS CONCRETE PAVING	EX. MACADAM
CONCRETE WALK	EX. CONC. WALK
GRAVEL	EX. GRAVEL
WOODED/BUSH AREA	
DECIDUOUS / EVERGREEN TREES	12" 6" 3"
POWER POLE	
SIGN	
TRAVERSE STATION	900
SPOT ELEVATION	× 125.5
MAJOR CONTOUR	15
MINOR CONTOUR	16
CONC. CURB	
SURVEY LIMITS	
FENCE	X X
PROPERTY LINE	
LIMIT OF DISTURBANCE	LOD
MEDIAN HIGH WATER	
MHW BUFFER	
LIMIT OF WETLANDS	TWL
WETLANDS BUFFER	100' BUFFER
STEEP SLOPES 25%<	
WET MEADOW PLANTING AREA	
REFORESTATION PLANTING AREA	
PLANTING OUTSIDE BUFFER AREA	

PROJECT INFORMATION:

1. TOTAL PROPERTY AREA: 1,234.2 AC.
2. TOTAL LIMIT OF DISTURBANCE (LOD): 9.21 AC.
3. TOTAL LOD IN THE CRITICAL AREA: 9.21 AC.
4. TOTAL LOD IN THE 100' BUFFER: 0.0 SF = 0.0 AC.
5. TOTAL FOREST CLEARING: 0.00 AC.
6. THE PROJECT BOUNDARY IS LISTED AS A RESOURCE CONSERVATION AREA (RCA).
7. ENTIRE SITE FALLS WITHIN THE CRITICAL AREA

HYDROLOGIC SOIL GROUP - BALTIMORE COUNTY, MARYLAND

MAP UNIT SYMBOL	MAP UNIT NAME	HSG RATING
CpA	Crosiadore silt loam, 0 to 2 percent slopes	C/D
CrA	Cumberstone silt loam, 0 to 2 percent slopes	C/D
MhaA	Mattapex silt loam, 0 to 2 percent slopes, northern coastal plain	C
MhaB	Mattapex silt loam, 5 to 10 percent slopes, northern coastal plain	C
MhC	Mattapex silt loam, 5 to 10 percent slopes	C
MkB	Mattapex-Urban land complex, 0 to 5 percent slopes	C
MT	Mispillion and Transquaking soils, 0 to 1 percent slopes, tidally flooded	A/D
OtA	Othello silt loams, 0 to 2 percent slopes, northern coastal plain	C/D
UaB	Udorthents, 0 to 8 percent slopes	C

PLANTING DESIGN:
POTTED SEEDLINGS TO 3-GALLON CONTAINERIZED STOCK, SPACED 15 - 25 FEET.

PLANTING TECHNIQUE:
SINGLE-STAKED AERATED TREE SHELTERS, OR DOUBLE-STAKED 6'x20" DEER FENCE ROLLS; NO MULCH.

PLANTING MAINTENANCE:
SEASONAL MOW, VINE AND INVASIVE SUPPRESSION AS NEEDED, STAKE AND SHELTER UPKEEP FOR 3+ YEARS.

CAUTION:
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1"=120'-0" (120 0 60 120 240)

75% CONSTRUCTION DOCUMENTS
MDE # 22-SF-0129

NO.	DATE	REVISION	BY

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Baltimore, MD 21286
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License # 27734 Expiration Date: 07/12/24

CRITICAL AREA PLAN

TODD'S INHERITANCE TRAIL
NORTH POINT STATE PARK
BALTIMORE COUNTY, MARYLAND
DGS PROJECT NO. P-067-221-010

DESIGNED:	R.W.H.
DRAWN:	M.L.H.
CHECKED:	J.M.L.
SCALE:	1"=120'
DATE:	01/24/2023
PROJECT:	2020.0479.04
DRAWING:	CA101