

EXPIRES AND IS NO LONGER VALID.

- THIS PLAN IS SUBMITTED TO FULFILL THE WOODLAND CONSERVATION REQUIREMENTS FOR THE GRADING PERMIT FOR THE CITY OF BOWIE'S SPANGLER SWM POND RETROFIT PROJECT. IF THIS GRADING PERMIT EXPIRES, THEN THIS TCP2 ALSO
- 2. 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 CITY OF BOWIE INSPECTOR 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 2 (ESA-2, FORMERLY THE DEVELOPMENT TIER) AND IS ZONED R-55.
- 7. THE SITE IS NOT ADJACENT TO A ROADWAY DESIGNATED AS SCENIC, HISTORIC, A PARKWAY OR A SCENIC BYWAY.
- 8. THE SITE IS NOT ADJACENT TO A ROADWAY CLASSIFIED AS ARTERIAL OR GREATER.
- 9. THIS PLAN IS NOT GRANDFATHERED UNDER CB-27-2010, SECTION 25-117 (G).

TREE PRESERVATION AND RETENTION NOTES

- TREE AND WOODLAND CONSERVATION METHODS SUCH AS ROOT PRUNING SHALL BE CONDUCTED AS NOTED ON THIS PLAN.
- ROOT PRUNE TREES ADJACENT TO EXCAVATION AREAS AS DIRECTED BY THE MARYLAND LTE DURING CONSTRUCTION.
- 12. WOODLAND PRESERVATION AREAS SHALL BE POSTED WITH SIGNAGE AS SHOWN ON THE PLANS.

OFF-SITE WOODLAND CONSERVATION NOTES

T-10

T-11

Pin Oak

Pin Oak

13. PRIOR TO THE ISSUANCE OF THE FIRST PERMIT FOR THE DEVELOPMENT SHOWN ON THIS TCP2, ALL OFF-SITE WOODLAND CONSERVATION REQUIRED BY THIS PLAN SHALL BE IDENTIFIED ON AN APPROVED TCP2 PLAN AND RECORDED AS AN OFF-SITE EASEMENT IN THE LAND RECORDS OF PRINCE GEORGE'S COUNTY. PROOF OF RECORDATION OF THE OFF-SITE CONSERVATION SHALL BE PROVIDED TO THE M-NCPPC, PLANNING DEPARTMENT PRIOR TO ISSUANCE OF ANY PERMIT FOR THE ASSOCIATED PLAN.

FOREST STAND DESCRIPTIONS

FOREST STAND 1 (FS1) IS A MID-SUCCESSIONAL RED MAPLE ASSOCIATION, LOCATED WITHIN THE SWM AREA. THE DOMINANT CANOPY SPECIES IN FS1 IS RED MAPLE (ACER RUBRUM), WITH PLANTED AND VOLUNTEER WHITE PINE (PINUS STROBUS) AND INCLUSIONS OF TULIP POPLAR. TREES BETWEEN 10 AND 17.9 INCHES DBH COMPRISE THE DOMINANT CANOPY SIZE CLASS, WITH SEVERAL LARGER TREES 18 - 29.9 INCHES DBH, AND THREE SPECIMEN TREES GREATER THAN 30 INCHES DBH. THE AVERAGE CANOPY CLOSURE IS 83%. THE UNDERSTORY IS DOMINATED BY AMERICAN BEECH (FAGUS GRANDIFOLIA), AMERICAN HOLLY (ILEX OPACA), RED MAPLE, AND BOXWOOD (BUXUS SP.), WITH AN AVERAGE UNDERSTORY COVER OF 40%. THE HERBACEOUS LAYER IS DOMINATED BY ENGLISH IVY (HEDERA HELIX), JAPANESE HONEYSUCKLE (LONICERA JAPONICA) AND MULTIFLORA ROSE (ROSA MULTIFLORA) WITH AN AVERAGE COVER OF 20%. INVASIVE SPECIES COVER WITHIN THE STAND IS 12%. THE STAND IS IN GOOD CONDITION, WITH HIGH RETENTION PRIORITY DUE TO PROXIMITY TO A WETLAND, STREAMS, AND STEEP SLOPES.

Duamantu Maraa	Forest Stand Summary Worl	NOTICEL
Property Name:	Spangler Lane SWM Retrofit Spangler Lane, Bowie, MD	
Location:	Data: 5/40/40	
Prepared By:	SLY, SJK	Date: 5/10/18
Stand Variable	Stand # FS 1	
1. Dominant species		
/Codominant species	Red maple/white pine	
2. Forest Association	Red maple	
Successional stage	Mid-successional	
4. Basal area in s.f. per		
acre	112	
5. Size class of dominant		
species	10-17.9"	
6. Percent of canopy		
closure	83%	
7. Number of tree species	9	
per acre	9	
8. Common understory	American holly, red maple, white pine,	
species	American beech, boxwood	
9. Percent of understory	270/	
cover 3' to 20' tall	37%	
10. Number of understory	7	
species 3' to 20' tall	7	
11. Common herbaceous	A manufacture leadly. Expeliate is a provided and provided	
species 0' to 3' tall	American holly, English ivy, multiflora rose,	
•	Japanese honeysuckle, boxwood	
12. Percent of herbaceous		
& woody plant cover 0' to	20%	
3' tall		
13. List of major invasive	1	
plant species & percent of	Japanese honeysuckle 15%, multiflora rose,	
cover	5%; English ivy 20%	
14. Number of standing		
dead trees 6" dbh or	2	
greater (plot average)	_	
15. Comments	Several invasive species in herbaceous	
10. Other long	layer. Red maple forest with planted white	
	pines on top of SWM embankment.	

	fa Carramana an	tal and Line	onoci vacioni vi	Driver Ocean	-l- 0		
	for Governmen	tai and Line	ar Projects in F	Prince Georg	e's County		
	SECTION 1-Establishing Site Infor	mation					
1	Property Description or Name:	Spangler L					
	Project Location;	· ·	Iter Lane, Bowi				
	TCP2 Number:	TCP2-022		,	Rev. No:	0	
4	NRI Number:	125-2018			Rev. No:		
5	Zone:			R-55			
6	Gross Tract:			1.34	acres		
7	Project Area/Limits:			1.34	acres		
	SECTION 2-Determining Requiren	nents					
8	Existing Woodland in Project Limit			1.29	or	96	.27%
	Woodland Cleared in Project Limit			1.29			
	Total area of woodland cleared (su		replacement)	1.29			
	Off-Site Woodland Conservation P		0.00				
	Off-Site Woodland Conservation P		0.00				
13	Woodland Conservation Requirem	nent:		1.29	acres		
	SECTION 3- Meeting the Requiren	nents					
	Woodland Preserved			0.00			
	Afforestation /Reforestation				Bond amount:	\$	-
	Natural Regeneration			0.00			
	Landscape Credit			0.00			
	Speciment/Historic Tree Credit (Cl)	0.00			
	Forest Enhancement Credit (Area			0.00			
	Street Tree Credit (Existing or 10-y			0.00			
	Prior Credit for Off-site Woodland (0.00			
22	Current Credit for Off-site Woodlan	d Conserva	tion	1.29*			
23	Off-site Woodland Conservation p	rovided (affo	restation)	0.00			
24	Off-site Woodland Conseration pro	ovided (pres	ervation)	0.00			
25	Area Approved for Fee-in-lieu/PFA			0.00	Fee amount:	\$	0.00
26	Area Approved for Fee-in-lieu/non-	PFA		0.00	Fee amount:	\$	0.00
27	Woodland Conservation Provided			0.00	acres		
	*Woodland Conservation Credit Pr	rovided by E	xisting DPW Fo	rest Mitigatio	n Bank		
	_	9					
28	Prepared by: Greg O'Hare	1/2			10	/12/2018	3

Woodland Conservation Worksheet

NOTE: This plan is approved in accordance with the following variance from the strict requirements of Subtitle 25 approved by the Planning Director on January 16, 2019:

Signed

- a. The removal of <u>three</u> specimen trees (Section 25-122(b)(1)(G)), described as follows:
 - T-1, White pine (Pinus strobus), 30 inch DBH, Good condition
 - T-2, White pine (Pinus strobus), 32 inch DBH, Good condition T-13, Eastern cottonwood (Populus deltoides), 32 inch DBH Good condition

SPECIMEN TREE TABLE							
TREE NUMBER	COMMON NAME	SCIENTIFIC NAME	DBH	CONDITION	COMMENTS	TO BE REMOVED	
T-1	White Pine	Pinus strobus	30	Good		X	
T-2	White Pine	Pinus strobus	32	Good	Moderate dead Branches	X	
T13	Eastern Cottonwood	Populus deltoides	32	Good		X	
RIGHT OF WAY TREES							
TREE NUMBER	COMMON NAME	SCIENTIFIC NAME	DBH	CONDITION	COMMENTS	TO BE REMOVED	
T-9	Honey Locust	Gleditsia triacanthos	10	Fair	Lean		

Lean, Minor Girdling Roots

Some Bark Damage

T-12	Honey Locust	Gleditsia triacanthos	12	Fa	air	Lean		
		SO	ILS TAB	LE				
MAP UNIT SYMBOL	MAP UN	IT NAME	K-FACT	OR	HYDRI RATIN		DLOGIC SROUP	DRAINAGE CLASS
AeB	Adelphia-Holmdel-Urban Land Complex, 0 to 15 percent slopes		-		-)	-
СоВ	Collington-Wist_Urban percent	Land Complex, 0 to 5	0.2		N	<i>,</i>	4	Well drained
CoD		Land Complex, 5 to 15 slopes	0.2		N	(C	Well Drained

	GENERAL INFORMATION TABLE						
D	LAYER CATEGORY	LAYER NAME	VALUE				
	ZONE	ZONING (ZONE)	RESIDENTIAL, R-55				
	ZONE	AVIATION POLICY AREA (APA)	N/A				
	ADMINISTRATIVE	TAX GRID (TMG)	47-B2				
 	ADMINISTRATIVE	WSSC GRID (SHEET 20)	208NE13				
	ADMINISTRATIVE	PLANNING AREA (PLAN AREA)	71B				
	ADMINISTRATIVE	ELECTION DISTRIC (ED)	7				
	ADMINISTRATIVE	COUNCILMANIC DISTRIC (CD)	4				
-	ADMINISTRATIVE	GENERAL PLAN 2002 TIER (TIER)	DEVELOPING				
	ADMINISTRATIVE	TRAFFIC ANALYSIS ZONE (C0G)	1152				
	ADMINISTRATIVE	PG TRAFFIC ANALYSIS ZONE (PG)	2381				

Prince George's County Planning Department, M—NCPPC Environmental Planning Section TYPE 2 TREE CONSERVATION PLAN APPROVAL TCP2 - 022 - 2018 1/17/2019 N/A



10/23/2018

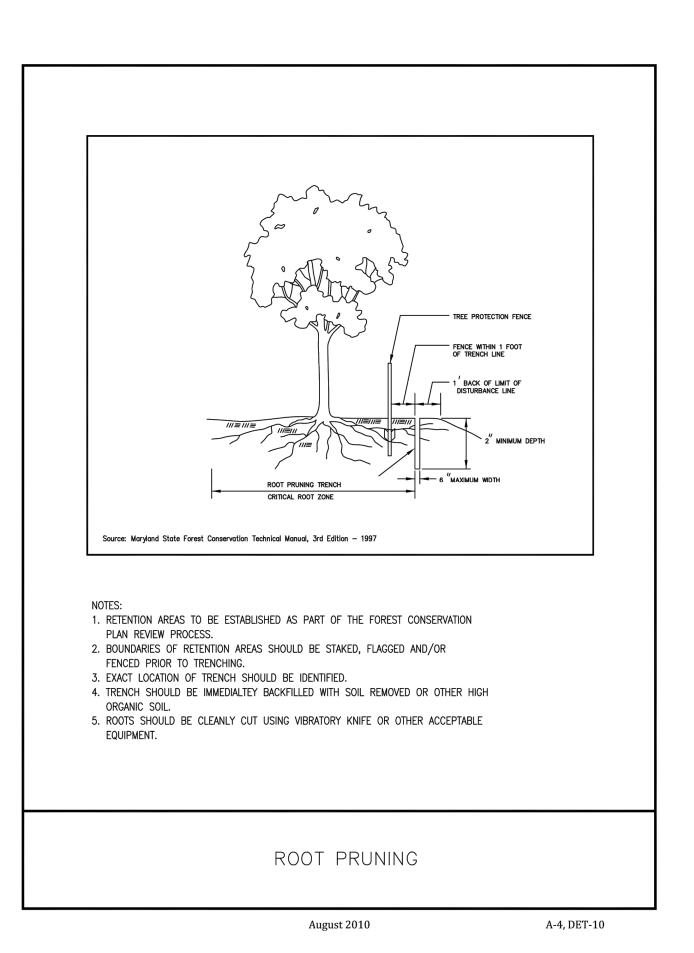
Maryland DNR Qualified Professional Name: Greg O'Hare, MD LTE #511, ISA #MA3158A Address: 700 E. Pratt Street, Suite 500, Baltimore, MD 21202 Phone: 410-462-9165 gohare@rkk.com

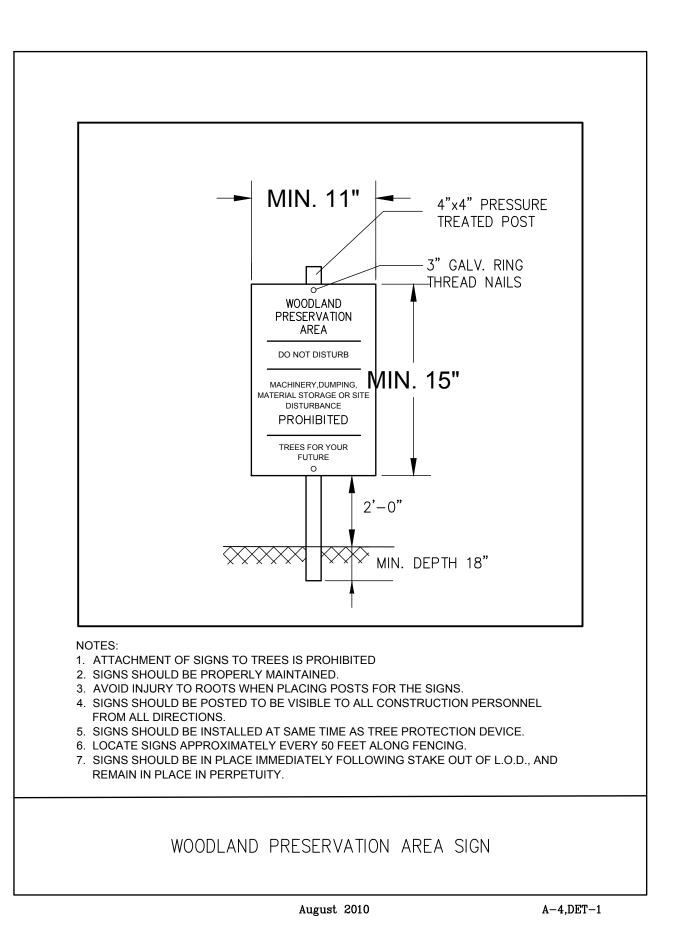
Date

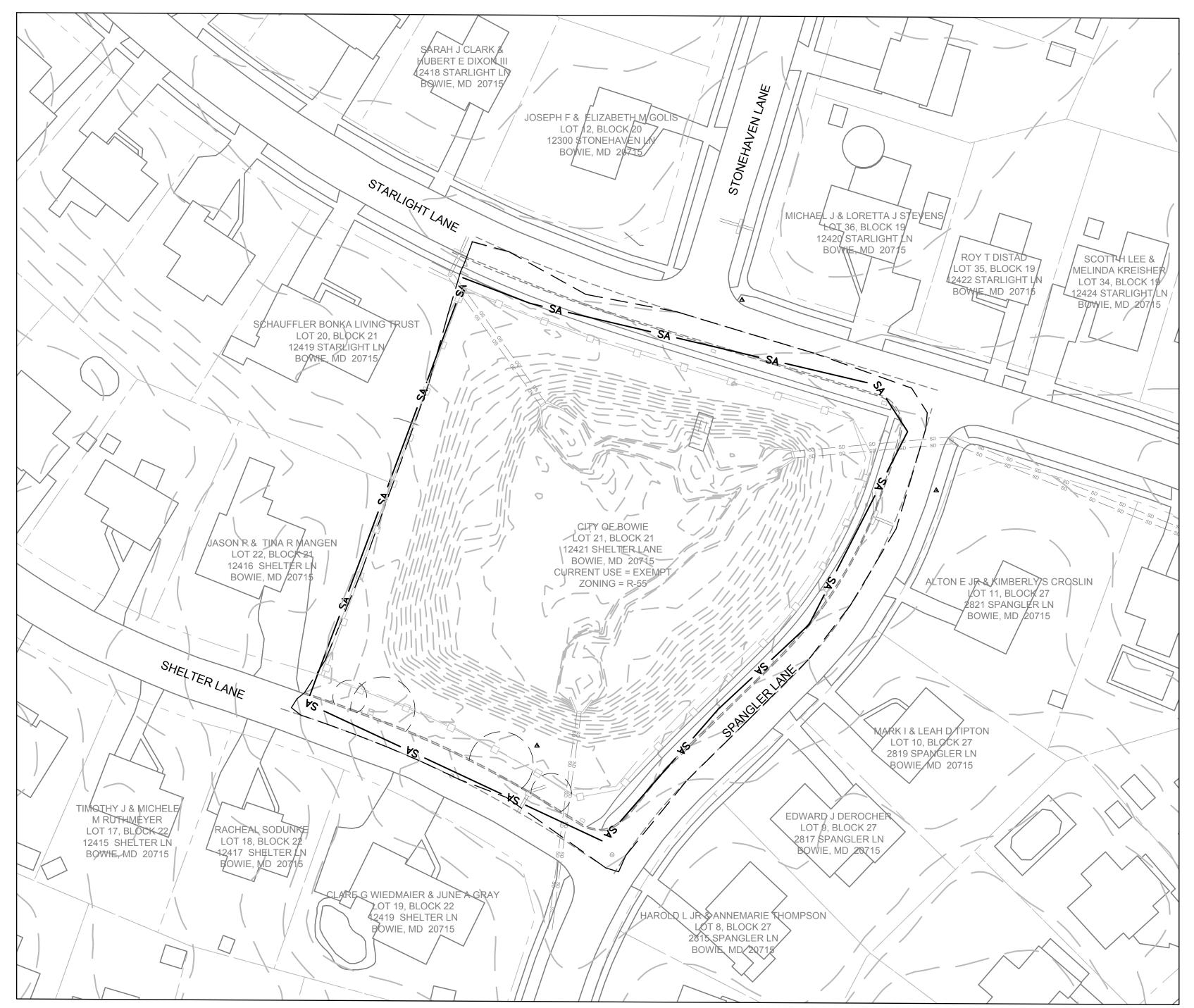
SHEET NO. 2 OF 3 TC-02

Quercus palustris

Quercus palustris

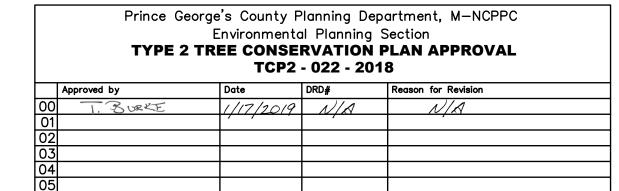






PARCEL KEY MAP

SCALE: 1" = 40'





10/23/2018

Maryland DNR Qualified Professional Date
Name: Greg O'Hare, MD LTE #511, ISA #MA3158A
Address: 700 E. Pratt Street, Suite 500, Baltimore, MD 21202
Phone: 410-462-9165
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SHEET NO. 3 OF 3 TC-03

DATE: OCTOI TASK 04 CONT 15054