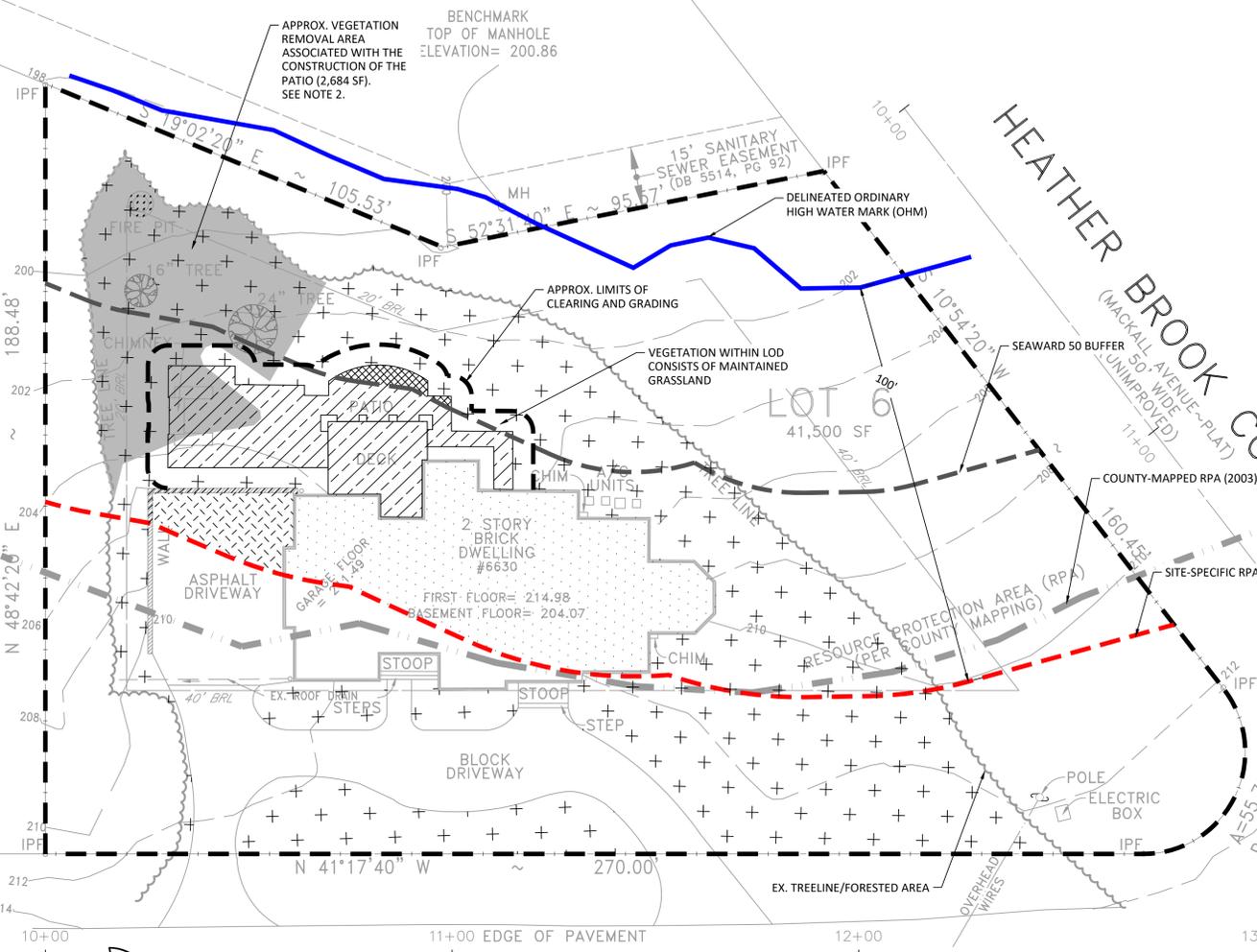
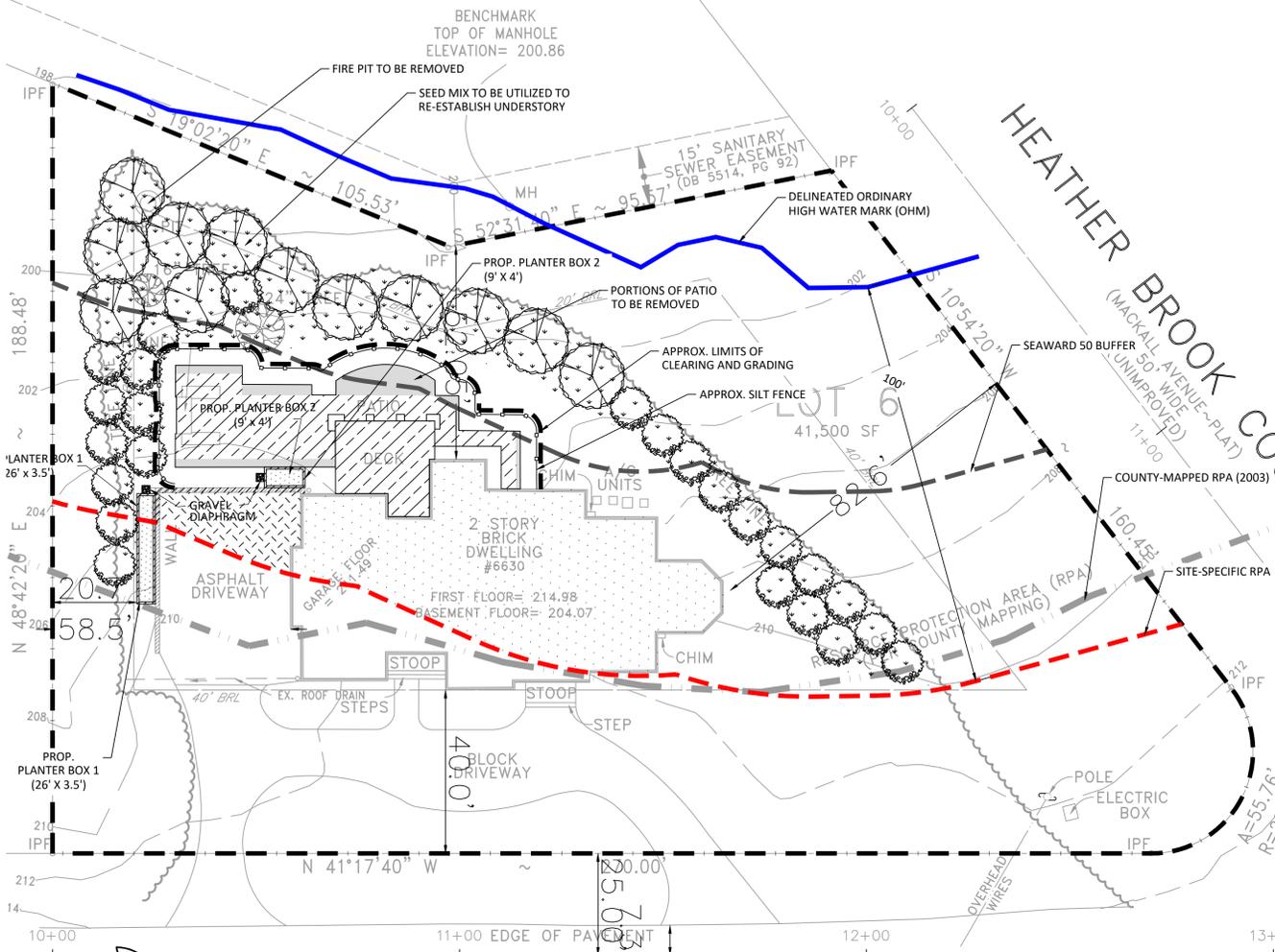


EXISTING CONDITIONS (2019)

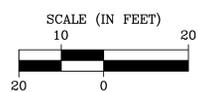


PROPOSED CONDITIONS & RPA REVEGETATION PLAN

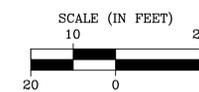


ATTACHMENT B3

HOLLAND STREET
50' WIDE ~ STATE ROUTE #1167



HOLLAND STREET
50' WIDE ~ STATE ROUTE #1167



Project Data Sheet - 6630 Holland Street

Total Lot Area (S.F.)	41,500
Lot Area within RPA (S.F.)	25,819
% Lot Area within RPA	62%
Date When the Lot was Created	2000
Date When RPA was designated	2003
Total Lot Disturbed Area Associated with the N.O.V. (S.F.)	6,398
Total Disturbed Areas within RPA Associated with the N.O.V. (S.F.)	6,398

Summary: Impervious Area Analysis Tabulation						
Description	2002 Conditions* (RPA Establishment)	2004 Conditions (Approved Plans)	2019 Conditions (Existing)	Proposed Conditions	Change in Impact (2019 vs. Proposed)	Change in Impact (2002 vs. Proposed)
Total Lot Impervious Area (S.F.)	2,450	7,825	10,248	9,917	-331	7,467
Total Impervious Area in RPA (S.F.)	2,120	3,842	5,398	5,067	-331	2,947
Impervious Area within Seaward 50 ft RPA (S.F.)	-	-	100 (Portion of Patio)	0	-100	-

Detailed Breakdown: Impervious Area Analysis Tabulation						
Description	2002 Conditions*	2004 Conditions	2019 Conditions	Proposed Conditions	Change in Impact (2019 vs. Proposed)	Change in Impact (2002 vs. Proposed)
Primary Structure Footprint (S.F.)	2,070	4,252	4,252	4,252	0	2,182
Primary Structure Footprint in RPA (S.F.)	1,740	3,303	3,303	3,303	0	1,563
Total Deck (S.F.)	380	0	475	475	0	95
Total Deck in RPA (S.F.)	380	0	475	475	0	95
Total Paver Patio (S.F.)	0	0	1,081	750	-331	750
Total Paver Patio in RPA (S.F.)	0	0	1,081	750	-331	750
Total Driveway (S.F.)	-	3,420	4,287	4,287	0	-
Total Driveway in RPA (S.F.)	-	490	490	490	0	-
Total Wall & Walkway (S.F.)	0	153	153	153	0	153
Total Wall & Walkway in RPA (S.F.)	0	49	49	49	0	49

*These totals are approximate and were calculated using the 2002 aerial. There is no available 2003 aerial when the RPA was established onsite. The driveway was not visible in the available aerial and has not been included.

PROPOSED PLANTING SCHEDULE:

Common Name	Scientific Name	Size (DBH)	Quantity
Overstory Trees			
Willow Oak	<i>Quercus phellos</i>	2"	3
Blackgum	<i>Nyssa sylvatica</i>	2"	2
Red Maple	<i>Acer rubrum</i>	2"	2
Sweetgum	<i>Liquidambar styraciflua</i>	2"	2
River Birch	<i>Betula nigra</i>	2"	3
			Subtotal
Understory Trees			
American Hornbeam	<i>Carpinus caroliniana</i>	1"	6
Eastern Redbud	<i>Cercis canadensis</i>	1"	6
Sassafras	<i>Sassafras albidum</i>	1"	6
Downy Serviceberry	<i>Amelanchier arborea</i>	1"	6
			Subtotal
Shrubs			
Northern Spicebush	<i>Lindera benzoin</i>	3 Gallon	26
Hazel Alder	<i>Alnus serrulata</i>	3 Gallon	26
Maple-Leaved Viburnum	<i>Viburnum acerifolium</i>	3 Gallon	26
Southern Arrowwood	<i>Viburnum dentatum</i>	3 Gallon	25
Swamp Azalea	<i>Rhododendron viscosum</i>	3 Gallon	25
			Subtotal
			Total

GENERAL NOTES:

- THE RESOURCE PROTECTION AREA IS BASED ON TNT'S FIELD DELINEATION IN 2019. EXISTING CONDITION AND TOPOGRAPHY WERE SURVEYED BY CRES ENGINEERING SERVICES (2019) AND WETLAND FLAGS WERE SURVEYED BY TRI-TEK ENGINEERING, INC. (2019).
 - VEGETATION REMOVAL APPEARS TO HAVE OCCURRED BETWEEN THE 2017 AND 2019 AERIALS ACCESSED THROUGH FAIRFAX COUNTY GIS.
 - PROPOSED RPA REVEGETATION IS BASED OFF THE LIMITS OF CLEARING AND GRADING FOR THE PATIO/GRILL CONSTRUCTION AND VEGETATION REMOVED BETWEEN 2017 AND 2019 (APPROX. 5,081 SQUARE FEET).
 - PORTIONS OF THE THE PATIO WITHIN THE RPA AND SEAWARD 50 WILL BE REMOVED. THE PROPOSED PORTIONS TO BE REMOVED ARE SHOWN ABOVE IN GRAY.
 - THE PLANTINGS PROPOSED HEREON WILL BE INSTALLED BY HAND WHEREVER PRACTICABLE. SUB-CANOPY AND SHRUB LAYERS WILL BE RE-ESTABLISHED WHERE POSSIBLE BY THE PROPOSED PLANTING OPERATIONS WITHIN A CONTINUOUS MULCH BED.
- RPA BUFFER ANALYSIS:
- THE ONSITE RPA BUFFER IS COMPRISED OF THOSE COMPONENTS THAT ARE IDENTIFIED UNDER § 6-1704.2A THROUGH § 6-1704.2D OF THE FAIRFAX COUNTY PFM WHICH ARE SUBJECT TO RESOURCE PROTECTION AREA (RPA) BUFFER PROTECTION.
- THERE ARE NO WETLANDS OR FLOODPLAINS CONTAINED WITHIN THE SITE-SPECIFIC RPA, AS SHOWN HEREON. THERE ARE NO TIDAL SHORE/TIDAL WETLANDS LOCATED ONSITE. THE SITE-SPECIFIC RESOURCE PROTECTION AREA IS BASED OFF OF THE 100' OFFSET FROM THE FIELD-DELINEATED PERENNIAL STREAM.
- RPA NARRATIVE:
- § 6-1704.4 (94-06-PFM) WATER BODIES WITH PERENNIAL FLOW WERE IDENTIFIED USING THE FAIRFAX COUNTY PERENNIAL STREAM FIELD IDENTIFICATION PROTOCOL (MAY 2003).
- § 6-1704.5 WETLAND DETERMINATIONS WERE PERFORMED USING METHODS SPECIFIED BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE).
- § 6-1704.6 THE RPA BOUNDARY DELINEATION STUDY HAS BEEN CONDUCTED AND VERIFIED BY A LICENSED WETLAND DELINEATOR CERTIFIED TO PRACTICE IN THE COMMONWEALTH OF VIRGINIA.
- THE SURVEY WAS PROVIDED BY CRES ENGINEERING SERVICES AND TRI-TEK ENGINEERING, INC. AND IS BASED ON THE NVGD29 DATUM.
- THIS RPA BOUNDARY DELINEATION HAS BEEN COMPILED IN ACCORDANCE WITH § 6-1704.8A THROUGH § 6-1704.8E.

LEGEND

- STUDY AREA
- SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA)
- COUNTY-MAPPED RPA
- APPROX. LCG FOR PAST CONSTRUCTION IN RPA
- VEGETATION REMOVAL AREA (PER 2019 AERIAL)
- PRIMARY STRUCTURE FOOTPRINT IN RPA
- DRIVEWAY IN RPA
- WALL IN RPA
- PATIO, GRILL, & CHIMNEY IN RPA
- PATIO, GRILL, & CHIMNEY IN SEAWARD 50
- FIRE PIT IN RPA
- EXISTING TURF AREA
- PORTION OF PATIO TO BE REMOVED
- PROPOSED SHRUB PLANTING AREA
- PROPOSED OVERSTORY TREE
- PROPOSED UNDERSTORY TREE



EXISTING CONDITION AND TOPOGRAPHIC CERTIFICATION
THIS EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF J.F. VEATCH, SR FROM AN ACTUAL GROUND SURVEY, MADE UNDER MY SUPERVISION; ON DECEMBER 27, 2018; AND THAT THIS PLAT MEETS THE MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED:



ENVIRONMENTAL
4455 Brookfield Corporate Drive, Suite 100
Chantilly, VA 20151
PH: 703-466-5123 WWW.TNTENVIRONMENTALINC.COM

6630 HOLLAND STREET
FAIRFAX COUNTY

WATER QUALITY IMPACT ASSESSMENT

DATE	REV BY	COMMENTS
3/10/20	REV BY TNW	
7/29/20	REV BY TNW	
9/21/20	REV BY TNW	
12/30/20	REV BY TNW	

SHEET 4 OF 5
SCALE: 1" = 20'
PROJECT DATE: 11/15/19
DRAWN: TNW CHECKED: AMS
FILE NUMBER: 1426