

WATER QUA TY MPACT ASSESSMENT 6630 HOLLAND STREET FAIRFAX COUNTY, V RGINIA

TNT PROJECT NO.: 1426

FOR

MR. & MRS. BERGOGL O

JU 29, 2020 REV SED: DECEMBER 30, 2020

THIS WQIA HAS BEEN DETERMINED TO BE ACCEPTABLE FOR FURTHER APPROVAL CONSIDERATION DURING A PUBLIC HEARING BEFORE THE EXCEPTION REVIEW COMMITTEE IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 6 OF COUNTY CODE, CHAPTER 118 (CHESAPEAKE BAY PRESERVATION ORDINANCE).



July 29, 2 20 s d: D c mb r 30, 202

Mr. & Mrs. T seo and Cecilia B r o lio 663 Holland Str et McLean, VA 22101

TNT Project #: 1426

ference: Water Quality Impact Assessm nt (WQIA) #129-WQ- 01, 6630 Holland Str et, Farfax

County, V rginia

Latitud: 38° 57′ 31″ N, Longitude: 77° 1′ 21″ W

D ar Mr. and Mrs. B rgoglio:

TNT En ronmental, Inc. (TNT) is pleased to pr sent this Water Quality Impact Assessm int (WQIA) right port for the above-right fer need project in initial nitrograms, and required project in initial nitrograms, and required project in initial nitrograms, and required projection of the source protection Areas consistent with the goals, objects, and required ensuring protection of the source protection Areas consistent with the goals, objects, and required ensuring that it is a few projects, and required ensuring the projects of the work of the Fairfax County Chesapeake Bay Prise right at a few projects, and required ensuring that it is a manual to the required ensuring that it is a manual to the required ensuring that it is a manual function of the project of the required ensuring that it is a manual function of the project of the required ensuring that it is a manual function of the project of the required ensuring that it is a manual function of the project of the p

PROJECT SITE DESCR PT ON

The project site s approximately 0.95 acr s of land located north of the int rs ction of Holland Str t and H ather Brook Court in Fa rfax County, Vir nia. The project site is further dent fied by physical addr ss 6630 Holland Street and Fairfax County Map #: 212- 2- 06. (Figure 1 Pr ect Location Map) Bas d on a r w of County GIS data, the project s te is mprov d by an ex sting residential structure and s zoned -1. A p rennial str am and its assoc at d esource Prot ction Ar a (RPA) ar locat d along the eastern prop rty boundary. (Figure 2: USGS T p graphic Map). The property is curr ntly mainta ned as a s ngle-family r s denc .

Bas d on several conv rsations (via mail and tel phone) with Fairfax County and the subs qu nt Not c of Violation r c d (Complant Number 201803 3 , dat d March 6, 2019), a WQIA is r quir d in order to obtain permission from Fairfax County for the pr iously conduct d act tis ons te. Sa d activ ties nolude the installation of a patio and grill ar an the rear of the xisting hous .

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SECONDAR INFORMATION REV EW

S condary Information entails the background r se arch and r w of r corded data and/or mapp ng associated with the project site. sources r wed include but are not limited to the following:

- U. S. Geological Sur y (USGS) Topographic Map, Falls Church Quadrangle, 2016
- U. S. Fish and Wildlife S r c (USFWS), National Wetlands Inv ntory (NWI) Online Mapp r, http://w tlands.fws.gov/mapper tool.htm
- Natural esources Conservation S r ce (N CS), Electronic F eld Offic Technical Guide, Fairfax County Soils, www.nrcs.usda.gov/technical/fotg/
- Available a r al photo raphy and GIS data

The USGS Falls Church (2016) quadran I map shows le ations of approximately 210 feet abov mean sea le I (MSL) in the south rn and eastern portions of the property and approximately 2 feet abo MSL in the along the northern property boundary. The property is located within the M ddle Potomac-Catoctin — r watershed and dent f d as Hydrologic Unit Code (HUC) 2 7 — 08. The NWI does not dep ct any wetland featur is within the project sit boundaries.

The soil sur y ind cates that the s te s underlain primar ly by 30A – Codorus and Hatboro soils, 39C – Glen I g s It loam, and 105C – Wheaton-Glenelg complex.

Water Quality Impact Assessment Components per Section 118-3-2

The propos d project meets the n eral performance crit range for esource Protection Areas as outlined in Section 118-3-2 and detailed below:

a) P r Fairfax County records, the PA located on this property was designat d in 2 03. P r histor car al mary, a single-story hous and deck can be seen on the lot at this time. Plans lopment of the lot for the addition of the ex sting two-story house and deck for the r d located w thin th PA ons t were approved by Fairfax County on December 7, 2 04 (129-INF- 4-3). An associat d PA plan was approv d with the 2 4 rading plan as well (129-WRPA- 1-1). Construction of the xist ng two-story house and d ck was complet d n 2 06. The associated plant ngs and m tigation propos d for the appro d 2 4 PA encroachment can b seen n th 2 7 a rial photograph prov ded by Fa rfax County JADE. Th approved 2004 plans came off bond on May 18, 20 7 according to Fairfax County's LDS N t. P r histor c aerial ma ry, tation r moval in the PA occurred on the property betw en 2 7 and 2009. This tation removal was completed by the pr ious owner(s) of the prop rty, na Solomon. Stuart and na Solomon purchased the property in August Stuart and 2006. Mr. and Mrs. B rgoglio (th applicants) purchased the property in January 2016. tation r moval and the construction of the x isting patio and grill n the PA occurr d between 2017 and 2019 associated with the Notic of Violation r c applicants (Compla nt Number 201803030, dated March 6, 2019). Please r fer to the maps nclos d n App ndix VIII to w aer al ma ry of the lot at th s times and for mor

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informat on regard ng the h story of the lot. Additionally, tho wn rship deeds oing back to 1952 associated with the sit habeen included in Appendix VIII.

Approximately 62% (25,819 square f et) of the ov rall property s situated with n the PA. Past land disturbanc associated with a olat on has been lim t d to a r asonable work zone behind the x sting pr mary structure and dreway for the hand installation of the patio and grill and the r moval of v getation associated with the construct on.

Proposed land disturbance within the PA is associated with ons ter getation and r moval of portions of the x isting patio. No trees or shrubs shall be removed within the I mits of disturbanc associated with the patio r moval. The getation surround ng the patio only consists of maintained grassland. The disturb id area shall be right getated with grass seed once the portions of patio hav b en r mov d. Please rf r to section 118-3-2(b) for mor details r arding the xisting etation. No mor land shall b disturbed than is necessary to r mediat for the loss of tation ons te and the improv ment of water quality through th r moval of imper ious surface n th PA. The propos d improv ments are the m n mum nec ssary to afford r l f. The plans r mo lar s ctions of the xist ng patio ar a in order to cont nue the use of the patio and to satisfy the applicant's needs. Removal of the ent rety of the patio is an alternation to the proposed plans; how r, the applicants d s r to hav some use of their backyard through the us of the portion of patio to remain.

There ar no r asonable alt rnat e locations for the nstalled pat o/grill. Mov ng the patio/gr ll to the eastern portion of the lot would increase the ncroachment into the seaward 50' of the PA buffer. The application represents the least invironmentally damaing practicable alternation while still accomplishing the overall goals of the project.

b) Exist ng tation is maintained as a lawn with landscaped shrubs around the primary structur. Hardwood and softwood upland for st has been maintained along the northern and astern property boundar s. Most of the onsite getation s in fair condition, as ass ss d by an ISA Certified Arborist. In asiv sp c s noted onsit include English y and Japanese hon ysuckl. These shall be removed per the invasion espec significantly located on Sheet 5 in Appendix IX. The station located divining the proposed limits of disturbanc consists of maintained grassland, no existing trees or shrubs will need to be in moving the alternation of the patio. No additional remoral of indication in the project limits will occur. As shown on the enclosed photographs, much of the initial xisting for st lacks a well-delegible loped understory.

The planting plan and details associated with the approviding 20 4 PA incroachm nt (129-WRPA- 1-1) can be found on Sheets 1 and 2 of thin nclosid maps in Appendix IX. The approved 2004 plans cam off bond on May 18, 2 7 according to Fairfax County's LDS Net. Vertation removal in the PA occurred on the property between 2 07 and 2 9. This tation removal was completed by the property of the property. The approximate area of this area of this tation removal can be found on the "2 9 Conditions" tile of Sheet 3 of the inclosid displayed.

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Mr. and Mrs. B r oglio TNT Project #: 1426 July 29, 2 2 ( sed: Dec mber 3, 2 2 0) Pa e 4
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The property was purchased by the applicants in January 2016 after this in tial getation r moval was complited. Ver tation r moval associated with the construction of the pation and grill related to the Notice of Violation (NOV) was completed between 2017 and 2 19 by the applicants. There is no grading plan associated with the work completed at this time. The approximate area of tation r moval associated with the NOV can be found on the "Existing Conditions" (2019)" tile of Sheet 4 of the enclosing displaying the regetation and r moval of portions of the xisting patio to refers conditions listed in the NOV.

c) Imper ious cov r w II be minimiz d with the proposed cond tions. The addit on of the paver patio and gr II associated with the NOV created an additional 1,081 squar f et of imper ous cover onsite. The propos d cond tions r mov approximately 331 squar feet of th patio located n the RPA. The nt r ty of the patio locat d within the Seaward 5 -feet onsite w II b r moved and th x st ng f r pit locat d in S award 50-feet w II b remov d nt rely. O rall, th re s a net decr ase of 331 square f et of mp r ious cover from the ex sting to proposed conditions. Additionally, approximately 100 square feet of imper ous cover w II be r mo d from the S award 5 -feet buffer.

It should be noted that the existing mp r ious area und r the wood n deck was imp r ous wh n th property was purchased by the applicants in January 2016. This area under the deck will r sult in no net change of mper ious cov r. Please refer to th photograph lo in Append x III for this documentation r c d by TNT from the Mr. and Mrs. B r oglio.

- d) Existing conditions shows approx mately 6,398 squar feet of disturbed area ons te. The prious activities xc ed 2,500 squar feet of land disturbanc and are subject to the qurmints of Chapter 104 of the Fairfax County Cod. The Chapter 104 olation will be addriss diathe submission of a signarding plan to be submitted subsequent to the w/approval of this WQIA. The approximate limits of clearing and rading has been shown on the proposed plans. Improve more more incoming a within the PA will be done using handheld equipment only. Silt fence will be utized along the limits.
- e) The two planter boxes are propos d which w ll provide water quality treatm nt. Per th V M calculations pr par d by Tr -T k Engine r ng, 0.12 pounds per y ar of phosphorus will be r moved with the proposed stormwat r/best management practice (BMP) strat gy. The V M spr adsheet prov d d n this application shows that water quality r quir ments w ll not b met per Chapt r 124; how er, this application s subject to the cr t r a of Chapter 118 that states th r needs to be a net ben fit in water quality to the ntire s te. Th pr de elopm nt load for this s t is .54 pounds per year and th post-de lopment load s 0.64 pounds per y ar. For the proposed BMP strate y post-dev lopm nt, 0.12 pounds per year of th .64 pounds per y ar will be treated, equal n .52 pounds per year. This amount s less than the pr -developm nt load of .54 pounds per y ar; ther for , ther is a net beneft to water quality for the sit , meeting the cr teria of Chapter 118. The V r n a Runoff eduction Spr adshe t (V M) has b n enclosed. Additionally, a rooftop disconnect will b util zed. All down spouts on th rear of the house will dissipat into a gra I flow spr ader, thus r maining

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as sheet flow to the RPA. The VRRM spr adsheet and ra I flow spr ad r details have b en included in App nd x IV of th s report. Based on these calculations, ther w II be no detr m nt to water gual ty bas d on the imp r ious surfaces proposed to r man w th th s appl cation.

- f) A perennial str am s located along the northern boundary of the property. Per TNT's sit sp c fic delineat on, no wetlands are located onsite and ther fore ther are no contiguous wetlands that contr bute to the site-sp c f c PA. No impacts to wetlands or Wat rs of th U.S. ar proposed for th project.
- g) P r Fairfax County GIS, the property s connected to public sew r. Th r ar no sewa disposal systems ons t and no sewage disposal syst ms will be used for the propos d activ ties.
- h) This is not agr cultural land.
-) The proposed application r quir s approval under S ction 118-6-9. The sp c fic r quir m nts for this w ll be nclos d in a s parate xc ption report per Section 118-6-6 and pr ious County comments.

Water Quality Impact Assessment Components per Section 118-4-3

- a) TNT has del n at d an unnamed tributary to D ad un, an east to w st trend ng str am, parall I n the northeastern property boundary dir ctly offs te. No w tlands are located ons te and th r are no contiguous wetlands that contr but to the st -sp c fic PA. A sit -sp c fic PA boundary has be n ident f d onsite assoc ated with th unnamed tr butary to D ad Run and TNT's del n ation. All PA components ha been addr ssed on th Sh et 4 of th enclosed WQIA exhibits.
- b) Approx mat ly 62% (25,819 squar feet) of the xisting site is situated within the PA associated with the offsit unnamed tributary to Dead un. Conduct did activates within the PA as listed included to the rail lot clearing, the rimoval, and criation of mpr ous surfacing the form of a pation, masonry grill, and fire pit. The Applicant purchased the property that included the price iously approvided, xisting primary structur, asphalt drieway, and wood deck located within the PA (129-INF-4-3). An associatid PA plan was approved with the PA grading plan as will (129-WRPA-1-1).

The proposed ncroachment into the PA for the patio reduction and r getat on w ll not impact surface waters onsite; therefor , no w tland permits ar r qurd from other agenc s. The filld-delineated ordinary hild-water mark (OHWM) of the pirnnial stream s the only cori component of the PA onsiti. These features, along with topography and x sting conditions, can be found in Appendix IX on Sheet 4. This e will be minimal impact to topography, soils and ology as the aria has principle iously been impacted for the installation of this pation. There will be an increase in wat right quality through best management practices

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proposed ons t. These b st managem nt practices include two plant r box s and associated gra I diaphra ms locat d adjacent to the hous. A rooftop disconnect will be utilized. All down spouts on the rear of the house will dissipate into a gra I flow spreader, thus remaining as sheet flow to the RPA. Please refer to Appendix IV located at the note of the second refer to the Very Mean spreadsheets and gra I flow spreader details produced by Tre-Tek Energing.

Due to the relat ely m nor natur of this proj ct, no s n f cant changes to groundwater r char ar ant cipated.

The etation located with n the propos d limits of disturbanc consists of maintained grassland, no x isting trees or shrubs will n ed to be r mov d for the alteration of the patio. In asi spec s noted onsit, English y and Japanes honeysuckle, shall be removed by hand per the invasion espec s control narrative. Add to onally, seed that will be utilized to restablish the understory with note in PA. Pleas in respect to Sheet 5 located in Appendix IX for information relations.

c) Encroachments into the PA ha occurr d and the purpose of this WQIA s to r dress th issued Notice of Violation associated w th th prop rty (Complaint Numb r: 2018 303, dat d March 6, 2019).

The exc ption request addr ss ing S ctions 118-6-6 and 118-6-9 shall b includ d under a separate r port per the dir ction of Fairfax County.

- d) A per nnial str am is located along the northern boundary of the property. No wetlands ar located onsite and th r e are no contiguous wetlands that contr bute to the s t -sp c fic PA. No impacts to wetlands or Wat rs of the U.S. ar proposed for the project.
- e) This proj ct will m tigate the xisting PA ncroachment through the r moval of all mp r ious cover in the PA. The proposed cond tions remove approx mately 331 squar feet of the patio locat d in th PA. The ntir ty of the patio located within the Seaward 5 -fe t ons te w ll be r moved and the xisting fir pit located in S award 5 -feet will b removed entirely. O rall, ther is a net decrease of 331 square feet of mper ious cov r from th x st ng to proposed conditions. Additionally, approx mat ly 10 square fe t of imper ous cover will be r moved from th Seaward 50-fe t buff r.

Additionally, this project will mitigat the exist ng PA encroachment through PA plantings as d tall d in this ass ssment and shown on the plant ng exhibit. Thes plant ngs ar assoc ated with the disturbed area from the construction of the patio and grill and the right moval of vegetation complication by the current property own is (the applicants).

The 5,081 square f et (0.12 acres) of disturbed ar a associat d with the olation within the PA will be related at a density of 12 overstory tresperacre (2" DBH), 24 understory tresperacre (1" DBH), and 128 shrubs peracre (3 gallon). These plantings will be not alled with n an approximate 5,157 square foot area of site.

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P r CBPO 118-3-3(f) for 5, 81 squar fe t of disturbed area within th PA buffer, plant ng r quir m ents would be:

10 ov rstory tr s/ac = 12 overstory tr es

200 understory tr s/ac = 24 understory tr es

1,089 shrubs/ac = 128 shrubs
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No heavy equipment shall be used for plant ng outs dof the proposed l mits of clear ng and grading. Disturbance shall be minimized through thous of handhold tools for planting installations. The planting are a shall be placid in a continuous mulch bed. Additionally, so ed mix will be ut lized r - stablish the understory within thousand PA. The sold mix specifications have been included on She tit 5 of Appendix IX.

Mitigation will also be pro ded through two planter box s that will be installed and ut I zed ons te for incr ased water quality and stormwat r runoff control. The plant r boxes proposed to be installed treat 0.12 pounds per y ar of phosphorus. As discussed in Section 118-3-2(e), the post-developm nt load proposed w th th 0.12 pounds per y ar of phosphorous r mo al is less than the pr -development load, which will result in an incr ase in wat r quality w th the proposed plans. Additionally, a rooftop disconnect w II be ut I zed. All down spouts on the rear of th house will dissipate nto a gra I flow spreader, thus r maining as sheet flow to th PA. These methods will pr ent an incr ase in nonpoint source pollution or nating from the s te. The V M spreadsheet and gra I flow spreader details have been nclud d n Append x IV of this report.

- f) The propos d project complies with the applicable performanc cr ter a of Chapt r 118 as detail d in this r port. The propos d mprov ments are the minimum necessary to afford r I f. The plans remove lare sections of the existing pation area in order to continue the use of the pation and to satisfy the applicant's needs. In moval of the intirectly of the pation is an alternation to the proposid plans; however, the applicants districtly some use of the reackyard through the use of the portion of pation to right main.
- g) Stormwater runoff w II be controlled using two plant r box s locat d ons te. The planter box s propos d to be nstalled tr at 0.12 pounds per y ar of phosphorus. As d scuss d n S ction 118-3-2(), the post-development load proposed w th the .12 pounds per y ar of phosphorous r moval is I ss than the pr -de lopm nt load, which will r sult in an ncr as n water quality with the propos d plans. Additionally, a rooftop disconnect w II be util zed. All down spouts on the r ar of the house will dissipate into a gravel flow spreader, thus remaining as sh et flow to the PA. The V M spr adsheet and ra I flow spr ader d tails ha been included in Appendix IV of this report.

An exc ption r que st will be submitted at a later date under S ctions 118-6-6 and 118-6-9. Additionally, a comment response letter has bein enclosed with r sponses to County comments for the last submission for this sit.

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TNT would lik to thank you for the opportunty to pro de you with this Water Qual ty Impact Assessment. We look forward to ass st ng you further with this project and other nv ironm ntal concerns you may ha . If you ha any qu stions, pl as feel fre to contact us at any time at (703) 466-5123.

S nc rely,

TNT ENV RONMENTA, INC.

Tara N. Wilk ns, WPIT Environmental Sc nt st

Tara@TNT nv.com

Av M. Sareen, PWD, ISA-CA

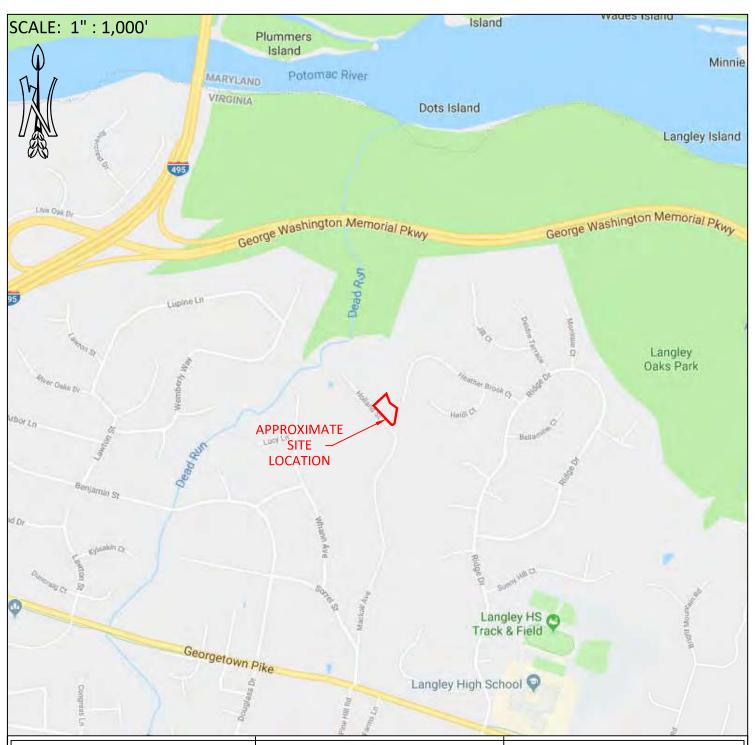
Pr ncipal/Pr s dent Avi@TNT nv.com

Appendices

- Appendix I Vicinity Map & USGS T p graphic Map
- Appendix II: National Wetland Inventor Map & NRCS S ils Map
- Appendix III: Ph tographs
- Appendix IV: Water Quality Calculations
- Appendix V List f Pr perty Owners within 500-feet
- Appendix VI N tice f Vi lati n
- Appendix VII: Fairfax County C mments & Resp nse Letters
- Appendix VIII Ownership Deeds
- Appendix IX Water Quality Impact Assessment Exhibits

APPENDIX I

I INI MAP & USGS TOPOGRAPHI MAP



WATER QUALITY IMPACT ASSESSMENT

6630 HOLLAND STREET

FAIRFAX COUNTY, VA

JULY 2020



4455 BROOKFIELD CORPORATE DRIVE SUITE 100 CHANTILLY, VIRGINIA 20151

FIGURE 1

SITE LOCATION MAP

SOURCE: GOOGLE MAPS

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WATER QUALITY IMPACT ASSESSMENT

6630 HOLLAND STREET

FAIRFAX COUNTY, VA

JULY 2020



4455 BROOKFIELD CORPORATE DRIVE SUITE 100 CHANTILLY, VIRGINIA

20151

FIGURE 2

TOPOGRAPHIC MAP

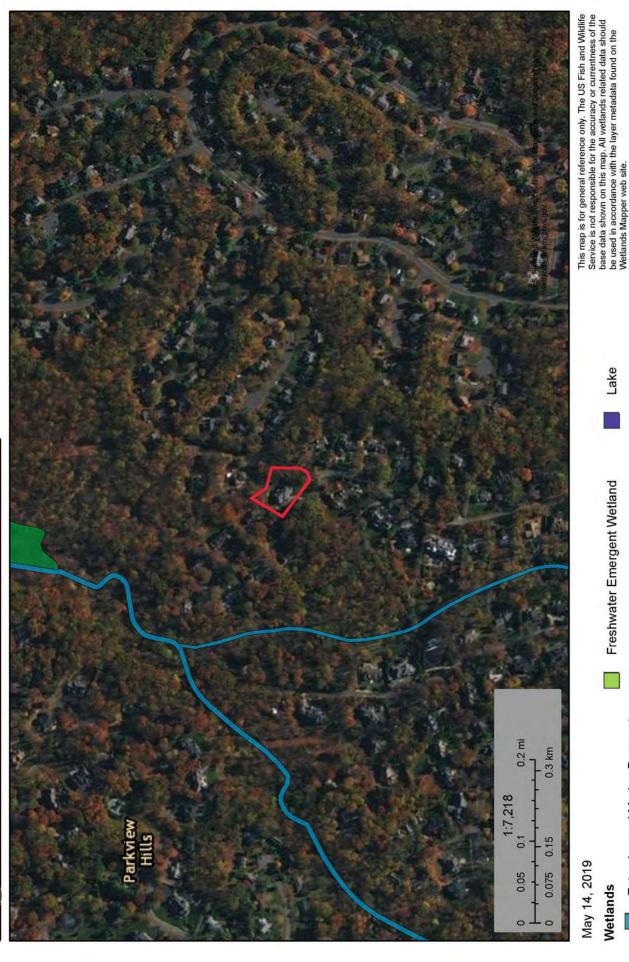
SOURCE: FALLS CHURCH, VA USGS QUAD MAP (2016)

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APPENDIX II

NA IONAL WETLAND IN EN ORY MAP & NRCS SOILS MAP

Holland Street



National Wetlands Inventory (NWI) This page was produced by the NVM mapper

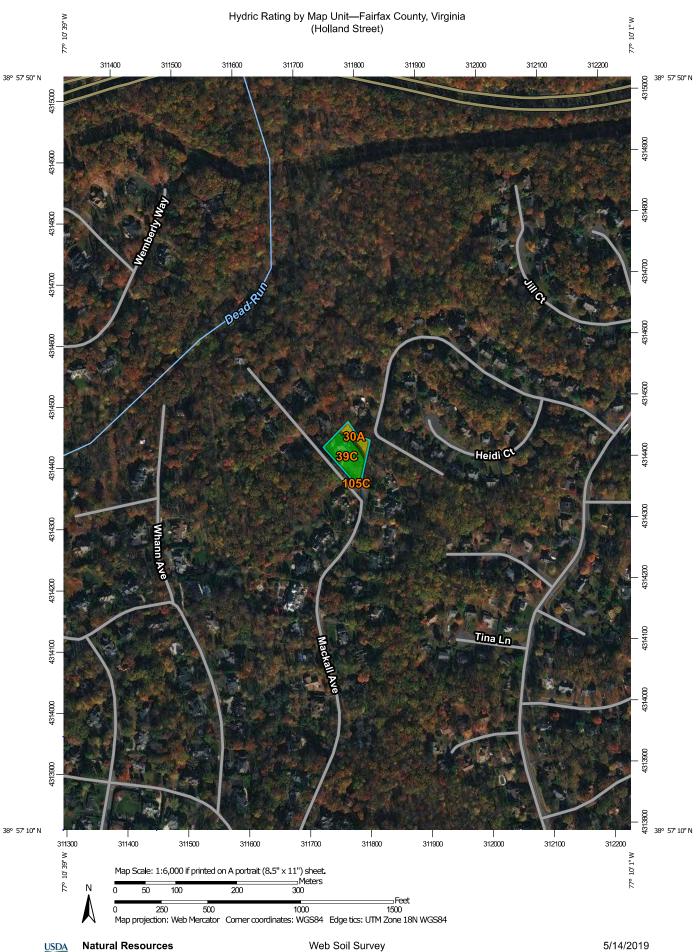
Riverine Other

Freshwater Forested/Shrub Wetland

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Pond



MAP LEGEND

Interstate Highways Major Roads Local Roads **US Routes** Rails Transportation Background ŧ Not rated or not available Area of Interest (AOI) Hydric (66 to 99%) Hydric (33 to 65%) Hydric (1 to 32%) Not Hydric (0%) Hydric (100%) Soil Rating Polygons Area of Interest (AOI)

Aerial Photography

Hydric (66 to 99%) Hydric (100%) Soil Rating Lines }

Hydric (33 to 65%) Hydric (1 to 32%)

Not Hydric (0%)

Not rated or not available

Soil Rating Points

Hydric (66 to 99%) Hydric (100%)

Hydric (33 to 65%) Hydric (1 to 32%)

Not rated or not available Not Hydric (0%)

Water Features

Streams and Canals

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at

1:12,000.

Source of Map: Natural Resources Conservation Service measurements.

Please rely on the bar scale on each map sheet for map

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

distance and area. A projection that preserves area, such as the Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fairfax County, Virginia Survey Area Data: Version 16, Aug 28, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: May 3, 2015—Feb

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

USDA

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
30A	Codorus and Hatboro soils, 0 to 2 percent slopes, occasionally flooded	35	0.2	23.7%
39C	Glenelg silt loam, 7 to 15 percent slopes	0	0.8	76.1%
105C	Wheaton-Glenelg complex, 7 to 15 percent slopes	0	0.0	0.2%
Totals for Area of Inter	rest		1.0	100.0%

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register, July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

APPENDIX III

PHOTOGRAPHS

6630 HOLLAN S REE PHOTOGRAPHIC LOG



Photograph 1: View to the west howing the fore ted upla d s located in the easte n portion of the ite.



Photograph 2: View to the northwest howing the ore ted upla ds located in the ea ter a nd northea ter n portio of the site.

6630 HOLLAN S REE PHOTOGRAPHIC LOG



Photograph 3: View to the north showing the st eam located in the norther po tion of the site.



Photograph 4: View to the southeat howing the steam that unsalo g the northeate bounday of the site.



Photograph 5: View to the south showing the fi e pit and backya do the property.



Photograph 6: View to the southwest showing the easte n po tion of the backya d of the property.



Photograph 7: View to the outheast showing the backya d of the prope ty.



Photograph 7: View to the outhwest howing the patio with impervious cove at the time o pu chase in 2016.

APPENDIX I

WATER QUALI CALCULATIONS

BMP EXHIBIT

6630 HOLLAND STREET

LOT 6 — SECTION FOUR LANGLEY FOREST

690 Center Street Suite 300 Herndon, Virginia 20170 V: (703) 481–5900 F: (703) 481–5901 info@tritekinc.com

HEATHER BROOK

CIVIL
ENVIRONMENTAL
LAND PLANNING
SURVEYING

ALL SELECTED PLANTS ARE INDIGENOUS SPECIES APPROPRIATE FOR THE RIPARIAN BUFFER TO THE EXTENT PRACTICABLE.

NOTE:

SECTION THREE LOT 2

BENCHMARK
TOP OF MANHOLE
ELEVATION = 200.86
"WE PIT TO BE RELOCATED / T OF REVESEIVATION = 200.86

THE PROPOSED PLANTER BOXES HELD TO PROVIDE A NET WATER QUALITY BENEFIT TO THE STEL. ACCORDING TO THE WIRSHIN ANDOFF REQUESTION METHOD STREAMSHET FOR THE STELL ACCORDING TO THE WIRSHIN TO LOAD. TAKING INTO ACCOUNT HE PROST DEVELOAMENT TO LOAD. TAKING INTO ACCOUNT HE PROST DEVELOAMENT TO LOAD. TAKING INTO ACCOUNT HE PROVED STELL ACCOUNT HE PROST DEVELOAMENT TO LOAD. TAKING INTO ACCOUNT HE PROVIDED THAN THE REPUBLICATION OF THE STELL ACCOUNTS.

SIMA/BMP NARRATIVE.
TWO (2) STORMMARTER PLANTER BOXES ARE PROPOSED ON THIS SITE TO CONTROL
TOROMANTER RUNDER FROM THE HOUSE. THE PLANTER BOXES CONTRIBUTE TO BOTH
THE WATER QUALITY & QUANTITY REQUIREMENTS.

THE PROPOSED DEVELOPMENT IS EXEMPT FROM THE PROVISIONS OF CHAPTER 124 AS THAN EXPONSED IMPROVEMENTS RESULT IN A DISTURBANCE OF LESS THAN 2,500 SF PRISURY I'D CHAPTER 124-1-7.4.

PROVIDED 40.0' 52.1'

PURSUA...

| MINIMUM YARD REQUIREMENTS. | REQUIRED | REQUIRED | REQUIRED | REQUIRED | 20.0 | 20.0 |

1855.76° R=25.00° 13+00 12+00

₹

N 48.45,50, E

LOT 7

EXISTING: (7.825 SF / 41,503 SF)*100 = 18.85% PROPOSED: (10,254 SF / 41,503 SF)*100 = 24.71% PROPOSED - EXISTING = 24,71% - 18.85% = 5.86%

% INCREASE IN IMPERVIOUS AREA:

88.48

BMP MAP

HOLLAND STREET 11+00 EDGE OF PAVEMENT





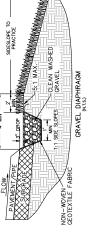














6630 Holland Street Comment – Response Letter July 24, 2020

Camylyn Lewis, P.E., CFM, Senior Engineer III – SDID, LDS

Comment #1 Boundaries of entire property, with bearings and distances of the perimeter

property lines.

Response: This information has been provided. See Sheet 4.

Comment #2 Show all minimum yards, and the distances from existing structures to the lot line.

Response: Minimum yards and distances from existing structures to the lot lines have been

added. A note has also been added. See Sheet 4.

Comment #3 Delineation of the existing centerline of all streets abutting the property, including

dimensions from the existing centerline to the edge of the pavement and to the edge

of the right-of-way.

Response: Centerline of streets with dimension to edge of pavement and to edge of right-of-

way have been added. See Sheet 4.

Comment #4 The approximate on-site and off-site areas to be served by each stormwater

management facility, along with the acreage draining to each facility.

Response: Requested information has been provided. See sheet 4. .

Comment #5 A preliminary stormwater management narrative: a statement that the project is

exempt for Chapter 124 and why.

Response: A stormwater management narrative has been added. See Sheet 4.

Comment #6 Show the calculation of percent increase in impervious surface on-site and types of

surfacing materials used on the plan.

Response: Calculation showing the percent increase in impervious surface on-site and types

of surfacing materials has been added. See Sheet 4.

Comment #7 Include a statement on Sheet 4 "that all selected plants are indigenous species

appropriate for the riparian buffer to the extent practicable".

Response: Requested note has been added, see Sheet 4.

DEQ Virginia Runoff Reduction Method Re-Development Compliance Spreadsheet - Version 3.0

BMP Design Specifications List: 2013 Draft Stds & Specs

Site Summary

Project Title: 6630 Holland Street Date: 03.03.20

Total Rainfall (in):

Site

	Total Distur	Total Disturbed Acreage:	0 95			
	1000	ce her ce be.	55.5			
Site Land Cover Summary						
Pre-ReDevelopment Land Cover (acres)	(s:					
	A soils	B Soils	C Soils	D Soils	Totals	% of Total
Forest/Open (acres)	00:0	0.22	00:0	0.40	0.62	9
Managed Turf (acres)	0.00	0.00	00.0	0.15	0.15	16
Impervious Cover (acres)	0.00	0.00	0.00	0.18	0.18	19

Post-ReDevelopment Land Cover (acres)

100

0.95

	A soils	B Soils	C Soils	D Soils	Totals	% of Total	
Forest/Open (acres)	0.00	0.21	00.0	0.38	0.59	62	*
Managed Turf (acres)	0.00	0.01	0.00	0.11	0.12	13	
Impervious Cover (acres)	0.00	0.00	0.00	0.24	0.24	25	
**************************************	de detro completore	of Marine Calminity of	Loddon Backle		10.0	100	

Forest/Open Space areas must be protected in accordance with the Virginia Runoff Reduction Method

Site Tv and Land Cover Nutrient Loads

	Final Post-Development (Post-ReDevelopment & New Impervious)	Post- ReDevelopment	Post- Development (New Impervious)	Adjusted Pre- ReDevelopment
Site Rv	0:30	0.25	96:0	0.25
Treatment Volume (ft ³)	1,027	820	202	813
TP Load (lb/yr)	0.64	0.51	0.13	0.51

0.16 0.05 0.11	
Total TP Load Reduction Required (lb/yr)	

	Final Post-Development Load	Pre-
	(Post-ReDevelopment & New Impervious)	ReDevelopment
TN Load (lb/yr)	4.61	3.84

Final Post-Development TP TP Load per acre (lb/acre/yr) (lb/acre/yr)	0.58
Final Post-Development TP Load per acre (lb/acre/yr)	89'0
Pre- ReDevelopment TP Load per acre (lb/acre/yr)	0.57

Site Compliance Summary

oad	Pre-ReDevelopment L
low 10%	Maximum % Reduction Required Below

169	0.12	0.89	0.53	0.04
Total Runoff Volume Reduction (ft³)	Total TP Load Reduction Achieved (lb/yr)	Total TN Load Reduction Achieved (lb/yr)	Remaining Post Development TP Load (lb/yr)	Remaining TP Load Reduction (lb/yr) Required

Drainage Area Summary

	D.A. A	D.A. B	D.A. C	D.A. D	D.A.E	Total
Forest/Open (acres)	00:0	00:0	00:00	0.00	00:0	00.0
Managed Turf (acres)	00:0	00:0	00:00	0.00	00:0	00.0
Impervious Cover (acres)	0.05	0.02	00:00	0.00	00.0	0.07
Total Area (acres)	90.0	0.02	00:0	0.00	00:0	0.07

Drainage Area Compliance Summary

	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	Total
TP Load Reduced (lb/yr)	0.08	0.03	0.00	0.00	0.00	0.12
TN Load Reduced (Ib/yr)	0.63	0.25	0.00	0.00	0.00	0.89

Runoff Volume and CN Calculations

ء	
10-year storm	00:0
2-year storm	0.00
1-year storm	0.00
	Target Rainfall Event (in)

RV & CN	Drainage Area A	Drainage Area B	Drainage Area C	Drainage Area D	Drainage Area E
	86	86	0	0	0
	121	48	0	0	0
RV wo RR (ws-in)	00.00	0.00	0.00	0.00	0.00
RV w RR (ws-in)	00:00	00:00	0.00	0.00	0.00
CN adjusted	100	100	0	0	0
RV wo RR (ws-in)	00.00	0.00	0.00	0.00	0.00
RV w RR (ws-in)	00:00	0.00	0.00	00:00	0.00
CN adjusted	100	100	0	0	0
RV wo RR (ws-in)	00:00	0.00	0.00	0.00	0.00
RV w RR (ws-in)	00.00	0.00	0.00	0.00	0.00
CN adjusted	100	100	0	0	0
	RV wo RR (ws-in) RV w RR (ws-in) CN adjusted RV w RR (ws-in) CN adjusted RV w RR (ws-in) RV w RR (ws-in) CN adjusted	98 98 121 121 0.00 0.00 0.00 0.00 0.00 0.00 0	98 98 121 121 0.00 0.00 0.00 0.00 0.00 0.00 0	Drainage Area A Drainage Area B Drainage Area C 98 98 0 121 48 0 0.00 0.00 0.00 0.00 0.00 0 0.00 0.00 0 0.00 0.00 0 100 0.00 0 0.00 0.00 0 0.00 0.00 0 0.00 0.00 0.00 100 100 0 100 0.00 0.00	Drainage Area A Drainage Area B Drainage Area C 98 98 0 121 48 0 0.00 0.00 0.00 0.00 0.00 0 0.00 0.00 0 0.00 0.00 0 100 0.00 0 0.00 0.00 0 0.00 0.00 0 0.00 0.00 0.00 100 100 0 100 0.00 0.00

APPENDIX

LIST OF PROPERTY OWNERS WITHIN 500-FEE PER SECTION 118-6-3 (C)

First Name	Last Name	Address	City	State	Zip Code
RANDALL EUGENE	BUSSMAN	6638 HOLLAND ST	MCLEAN	۸	22101
CHARLES	PARK	6644 HOLLAND ST	MCLEAN	۸	22101
FREDERICK	OHLY	6650 HOLLAND ST	MCLEAN	۸۸	22101
FAIRFAX COUNTY BOARD		1200 GOVERNMENT CENTER PW,			
OF SUPERVISORS		SUITE 533	FAIRFAX	۸ ۲	22035
JACK	HIGGINS	6528 HEATHER BROOK CT	MCLEAN	۸	22101
LYNN	PFADENHAUER	6530 HEATHER BROOK CT	MCLEAN	۸	22101
CHRISTOPHER	ROTH	6649 HOLLAND ST	MCLEAN	۸	22101
ROBERT & JEWEL	MONROE	6643 HOLLAND ST	MCLEAN	۸	22101
JAMES KEVIN	STINEBOWER	6637 HOLLAND ST	MCLEAN	۸	22101
RAJEEV KUMAR	AGGARWAL	6705 SORREL ST	MCLEAN	۸	22101
TIMOTHY	RUPLI	6627 HOLLAND ST	MCLEAN	۸	22101
JOSHUA	BENNER	828 MACKALL AVE	MCLEAN	۸	22101
RAIFORD	PIERCE	829 MACKALL AVE	MCLEAN	۸	22101
ALAN & DOROTHY MAYER	MORRISSEY	825 MACKALL AVE	MCLEAN	۸	22101
CLARENCE & VIRGINIA	ALBRIGHT	821 MACKALL AVE	MCLEAN	۸	22101
HARRY	THOMAS	817 MACKALL AVE	MCLEAN	۸	22101
RODNEY & PATRICIA	BUCK	6619 HEIDI CT	MCLEAN	۸	22101
NOBUHIRO	YAMAZAKI	6617 HEIDI CT	MCLEAN	۸	22101
JAME & LAURA TUCK	DEMOCKER	6615 HEIDI CT	MCLEAN	۸	22101
PAUL & TERESA	MARTINO	6613 HEIDI CT	MCLEAN	۸	22101
LANGLEY OAKS					
HOMEOWNERS					
ASSOCIATION		P.O. BOX 681	MCLEAN	۸	22101
KANAKA	SRIRAM	6621 HEIDI CT	MCLEAN	۸	22101
PAUL & YUCHEN	CHANG	6620 HEIDI CT	MCLEAN	۸	22101
PAUL	BARNETT	6045 WILSON BLVD, SUITE 300	ARLINGTON	Α>	22205
JAMES & DENISE	OLMSTED	6616 HEIDI CT	MCLEAN	۸	22101
ERIC	EBERLINE	6610 BRIAR HILL CT	MCLEAN	۸۸	22101

APPENDIX I

NO I CE OF VIOLATION



County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

NOTICE OF VIOLATION Of the Chesapeake Bay Preservation Ordinance

VIOLATION ISSUED TO: Teseo R. Bergoglio Maria C. Parini 6630 Holland St Mc Lean, VA 22101

LOCATION OF VIOLATION: 6630 Holland St, McLean, VA 22101

COMPLAINT NUMBER: 201803030

MAP REFERENCE: 0212 02 0006

I inspected the above site on 05/24/2018, and observed the following violations in a **Chesapeake Bay Preservation Area:**

- Land disturbance in the Resource Protection Area (RPA) without an approved Water Quality Impact Assessment in violation of Fairfax County Code, Section 118-4-2 and Section 118-3-2(a) and (b). The land disturbance in the RPA consists of approximately 1,042 square feet, including the construction of an unpermitted patio and masonry grill.
- Encroachment of an accessory structure into the RPA without an exception approval by
 either the Exception Review Committee or by the Board of Supervisors, when in
 conjunction with a rezoning or special exception approval, in violation of Fairfax County
 Code, Section 118-6-8.

Furthermore, Fairfax County Code, Section 118-9-1(a), provides as follows:

Any building erected or improvements constructed contrary to any provisions of this Chapter and any land disturbing activity regardless of area contrary to any of the provisions of this Chapter and any removal of vegetation in Chesapeake Bay Preservation Areas contrary to any provisions of this Chapter shall be and the same is hereby declared to be unlawful.

You are directed to correct this violation within thirty (30) days of receipt of this order, by performing the following, corrective measures:



Teseo R. Bergoglio & Maria C. Parini Page 2 of 3

- 1. Immediately cease and desist all land disturbing activity in the RPA.
- 2. Remove the patio and masonry grill in accordance with County policy and procedure by:

Submitting and receiving approval for a Water Quality Impact Assessment (WQIA) that restores the RPA to the requirements of Section 118-9-1(d).

Restoration of the RPA shall be in accordance with the requirements of the Chesapeake Bay Preservation Ordinance and Public Facilities Manual (PFM). In addition to the plantings required by Section 118-3-3(f) and the PFM, the Director may require for any trees impacted or illegally removed from the RPA to be replaced by other trees of the same comparable species of equal value and/or be replaced by two trees for each tree impacted or removed. The replacement trees shall be two-inch caliper trees or larger. If any fill is relocated on site outside the RPA, the WQIA shall also show the area where the fill is to be placed and demonstrate that the placement of the fill shall not adversely impact the existing drainage of the land;

<u>OR</u>

3. Submit and receive approval for:

- An exception request to permit encroachment into the RPA in accordance with the requirements of Section 118-6-5, -6, and -8; and
- A WQIA that restores the RPA to the requirements of Section 118-9-1(d).
 Restoration of the RPA shall be in accordance with the requirements of the Chesapeake Bay Preservation Ordinance and PFM;

AND

4. Correct the violation in accordance with the approved WQIA.

Teseo R. Bergoglio & Maria C. Parini Page 3 of 3

Section 118-9-2, Criminal Violations and Penalties, states:

(a) Violators of this Chapter shall be guilty of a Class 1 misdemeanor.

- (b) Each day any violation of this Chapter shall continue shall constitute separate offense.
- (c) In addition to any criminal penalties provided under this Article, any person who violates any provision of this Chapter may be liable to the County in a civil action for damages, or for injunctive relief. (32-03-118.)

Section 118-9-3, Civil Penalties, reads as follows:

(a) Any person who violates any provision of this Chapter or who violates or fails, neglects, or refuses to obey any local governmental body's or official's final notice, order, rule, regulation, or variance or permit condition authorized under this Chapter shall, upon such finding by an appropriate circuit court, be assessed a civil penalty not to exceed \$5,000 for each day of violation.

Section 118-8-1, Procedures, states in relevant part as follows:

(a) An applicant aggrieved by any decision of the Director of the Land Development Services . . . in the administration of this Chapter may, within 15 days of such decision, appeal the decision to the Board of Supervisors.

and . . .

(c) Such appeal shall be filed with the Clerk to the Board of Supervisors and shall state with specificity the provisions of this Chapter which the applicant alleges to have been violated by the decision and the reasons therefore. A copy of the appeal shall also be delivered to the Director of the Department of Land Development Services within such 30-day period.

Failure to correct this violation may result in legal action under applicable state and county codes.

ISSUED BY:

Jesus Rico Arreola, Code Specialist II 12055 Government Center Parkway Fairfax, Virginia 22035-5503 Phone: (703) 324-8463

Email:jesus.ricoarreola@fairfaxcounty.gov Authorized agent of the Director of LDS

DATE ISSUED: 03/06/2019

Certified Mail # 7017 2400 0000 0442 5969

APPENDIX VII

FAIRFAX COUN COMMENT LE ER & FORMAL COMMENT RESPONSE LE TER



County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

May 7, 2020

Avi Sareen 4455 Brookfield Corporate Drive, Suite 100 Chantilly, Virginia 20151

Subject: Langley Forest, Section 4, lot 6; 6630 Holland Street; Tax Map Number: 021-2-

02-0006, Dranesville District

Reference: Water Quality Impact Assessment # 129-WQ-001-2

Dear Mr. Sareen:

The referenced Water Quality Impact Assessment (WQIA) has been **disapproved**. Please review and revise the Water Quality Impact Assessment (WQIA) and address the following:

General

- 1. Address disruptions, reductions, or increases in the supply of water to wetlands, streams, or other surface waters shown / identified, address ground water recharge.
- 2. Provide the % of the site disturbed since the exception in 2004, break down the disturbance prior to the present owner's purchase, that area disturbed as a result of the violation, and that to be disturbed with the proposed remediation.
- 3. General location and type of all significant onsite plant material; specific location and type of all trees, shrubs, or groundcovers to be removed is shown on the plan; Page 3; Paragraph B1, clarify any plant material to be removed. Show on sheet 4.

Sheet 1

4. 118-3-2(e) Show the flow to conserved open space on the BMP exhibit, Sheet 1.

Sheet 4

- 5. The following information is missing from sheet 4 (ZO 9-011):
 - i. Boundaries of entire property, with bearings and distances of the perimeter property lines.
 - ii. Show all minimum yards, and the distances from existing structures to the lot line.
- iii. Delineation of the existing centerline of all streets abutting the property, including dimensions from the existing centerline to the edge of the pavement and to the edge of the right-of-way.
- iv. The approximate on-site and off-site areas to be served by each stormwater management facility, along with the acreage draining to each facility.



Avi Sareen 129-WQ-001-2 Page 2 of 4

- v. A preliminary stormwater management narrative: a statement that the project is exempt for Chapter 124 and why.
- vi. Show the calculation of percent increase in impervious surface on-site and types of surfacing materials used on the plan.
- vii. Include a statement on Sheet 4 "that all selected plants are indigenous species appropriate for the riparian buffer to the extent practicable".

Page 2

- 6. 118-3-2(a); The exception granted in 2004 for the construction of the house was deemed the minimum necessary to achieve a reasonable buildable area for a principal structure and necessary utilities. Explain why the proposed improvements are the minimum necessary and discuss any alternatives.
- 7. 118-3-2(c); Show the location of the proposed fire pit.
- 8. 118-3-2(d); Removal of impervious areas should be done with handheld equipment only.
- 9. 118-3-2(e); clarify the existing and proposed conditions:

With the approval of the exception in 2004 the site comprised:

Forest Open space = 0.62 ac; 27,007 sqft Managed Turf = 0.15 ac; 6534 sqft Impervious Cover = 0.18 ac; 7840 sqft

The proposed conditions:

Forest Open space = 0.59 ac; 25,700 sqft; reduction of 1307 sqft since 2004 exception

Managed Turf = 0.12 ac; 5227; sqft reduction 1307 sqft since 2004 exception

= 0.24 ac; 10,454 sqft; increase 2614 square feet since 2004 exception

Page 3

- 10. Show the existing vegetation on the "Existing Conditions (2019)" exhibit.
- 11. Address any invasive species; address how indigenous vegetation is preserved to the maximum extent practicable. Included an invasive species management plan (e.g., type of vegetation removed, preserved and replaced, and methods proposed) if invasive species management is an objective of this application.
- 12. Clarify any plant material to be removed and show it on Sheet 4.
- 13. Measures to re-establish the understory vegetation should be proposed; seed mix may be appropriate.

Avi Sareen 129-WQ-001-2 Page 3 of 4

Page 5

- 14. In the narrative for 118-4-3(b) address the following:
 - i. The condition and type of vegetation;
 - ii. Provide details of the requested exception;
- iii. Existing topography, soils, hydrology, and geology of the site and adjacent lands;
- iv. Impact of the proposed development to the existing topography, soils, hydrology, and geology of the site and adjacent lands;
- v. Nature and extent of any fill material, the duration and proposed phasing of the project;
- vi. All requisite wetland permits from other agencies;
- vii. Type of all vegetation to be removed;
- viii. Location, type, characteristics, and condition of RPA features;
- 15. In the narrative for 118-4-3(c) address the following:
 - i. Provide a detailed justification; explain the violation and provide justification for the patio and grill and any other encroachments beyond those on the 2004 exception to remain. For items to be removed explain further the encroachment required to remove the items. Address the above in this section or state where it is addressed in the WOIA.
 - ii. 118-4-3(e) The narrative should be expanded to discuss the proposed BMPs and explain <u>how</u> they will be effective in preventing an increase in nonpoint source pollution.
- iii. 118-4-3(e) The narrative should address measures for hydrogeological (the distribution and movement of water) impacts.
- iv. 118-4-3(e) The statement "It is TNTs opinion that the current property owners should not have to mitigate for the actions of the previous owners of the property" does not belong in this section. The Water Quality Impact Assessment is a statement of fact. Statements of opinion should be restricted to the statement of justification.
- v. 118-4-3(f) Provide additional information to support the need for the extensive patio and explain why this is needed at this time and was not needed at the time the exception for the house was granted.

Page 6

- 16. 118-6-6(a); Reference the section 118-6-6. In addition to the history state why the requested exception is the minimum necessary to afford relief.
- 17. 118-4-3(g); This section should be updated to reflect the VRRM computations; the two planter boxes with sheet flow to conserved open space.
- 18. State the 2004 phosphorous load and the proposed 2020 phosphorous Load; demonstrate that there is a water quality benefit.

Avi Sareen 129-WQ-001-2 Page 4 of 4

Page 8

19. 118-6-6(b) That granting the exception will not confer any special privileges denied in similar situations. Staff do not concur that the referenced properties with RPA encroachment support this finding:

The encroachments at 900 Mackall Avenue, 839 Whann Avenue; the patios and pools in the RPA are existing non-conforming uses constructed before the RPA was established.

With the exclusion of a small part of the pathway, the improvements at 836 Mackall Avenue which would require an exception are outside the RPA; as demonstrated by the field delineation on the infill lot grading plan.

- 20. 118-6-6 (d) The application does not contain sufficient facts to enable staff to ascertain why the exception is not based on circumstances that are self-created and self-imposed.
- 21. 118-6-6(f) / 118-6-9. Consider a gravel diaphragm around the patio and treating this area as sheet flow to conserved open space.

If further assistance is desired, please contact me at 703-324-1808 or Camylyn.Lewis@fairfaxcounty.gov.

Sincerely,

Camylyn Lewis, PE., CFM

Canyly Lewis

Senior Engineer III, North Branch

Site Development Branch (SDID)

Land Development Services (LDS)

CL/tc

cc: Shannon Curtis, Chief, Watershed Assessment Branch, Stormwater Planning Division, Department of Public Works and Environmental Services

Shahab Baig, Chief, North Branch, SDID, LDS

Dr. Yosif Ibrahim, Senior Engineer III, North Branch, SDID, LDS

Waiver File





Ms. Camylyn Lewis LDS-SDID North Branch 12055 Government Center Parkway, Suite 659 Fairfax, Virginia 22035-5503

TNT Project Number: 1426

Reference: Water Quality Impact Assessment (WQIA) Exception Request #129-WQ-001-1 - Response

Letter, 6630 Holland Street, Fairfax County, Virginia

Dear Ms. Lewis,

On behalf of the Applicant, TNT Environmental, Inc. (TNT) would like to thank the Fairfax County Department of Land Development Services for reviewing the WQIA submitted by TNT Environmental, Inc. to Fairfax County on June 5, 2019 for the above-mentioned project and providing comments on August 19, 2019. This letter details responses to the additional comments received by TNT on May 7, 2020. Please find TNT's responses to the comments below:

General

1. Address disruptions, reductions, or increases in the supply of water to wetlands, streams, or other surface waters shown / identified, address ground water recharge.

Res n e: This information has been included in section 118-4-3(b) to provide a complete report to present at the hearing.

- 2. Provide the % of the site disturbed since the exception in 2004, break down the disturbance prior to the present owner's purchase, that area disturbed as a result of the violation, and that to be disturbed with the proposed remediation.
- **Resp n e** This information has been included in Sheets 1-4 in Appendix IX. Due to the fact that TNT and the current property owners do not have this information, aside from a review of aerial imagery, past when the property was purchased in 2016, it is impossible to precisely quantify the data. The exhibits were provided to illustrate these changes based on the available data, as discussed previously with you.
- 3. General location and type of all significant onsite plant material; specific location and type of all trees, shrubs, or groundcovers to be removed is shown on the plan; Page 3; Paragraph B1, clarify any plant material to be removed. Show on sheet 4.
- **Resp n e** This information has been included in section 118-3-2(a) and further discussed in section 118-3-2(b). Grass is the only cover type that is currently located within the limits of disturbance. The existing tree line is clearly depicted on sheet 4.

Fairfax County Department of Land Development Services TNT Project #: 1426
July 29, 2020
Page |

Sheet 1

4. General location and type of all significant onsite plant material; specific location and type of all trees, shrubs, or groundcovers to be removed is shown on the plan; Page 3; Paragraph B1, clarify any plant material to be removed. Show on sheet 4.

Res n e: Please refer to submitted sections 118-3-2(a) and 118-3-2(b) for a description of onsite vegetation. Narrative has been added in these sections discussing the existing maintained grassland that surrounds the patio. No other vegetation will be removed within the limits of clearing except for the grass and sod in the area. Certain portions of the patio will be removed, and grass will replace the disturbed areas.

Sheet 4

- 5. The following information is missing from sheet 4 (ZO 9-011):
 - i. Boundaries of entire property, with bearings and distances of the perimeter property lines.
 - ii. Show all minimum yards, and the distances from existing structures to the lot line.
 - iii. Delineation of the existing centerline of all streets abutting the property, including dimensions from the existing centerline to the edge of the pavement and to the edge of the right-of-way.
 - iv. The approximate on-site and off-site areas to be served by each stormwater management facility, along with the acreage draining to each facility.
 - v. A preliminary stormwater management narrative: a statement that the project is exempt for Chapter 124 and why.
 - vi. Show the calculation of percent increase in impervious surface on-site and types of surfacing materials used on the plan.
 - vii. Include a statement on Sheet 4 "that all selected plants are indigenous species appropriate for the riparian buffer to the extent practicable".

Res n e: Tri-Tek Engineering has addressed the remaining items, and each is included on Sheet 4 located in Appendix IV. The site drawings have also been updated and included in Appendix IX.

Page

6. 118-3-2(a); The exception granted in 2004 for the construction of the house was deemed the minimum necessary to achieve a reasonable buildable area for a principal structure and necessary utilities. Explain why the proposed improvements are the minimum necessary and discuss any alternatives.

Res n e: The proposed improvements remove large sections of the existing patio area in order to continue the use of the patio and to satisfy the applicant's needs. Removal of the entirety of the patio is an alternative to the proposed plans; however, the applicants desire to have some use of their backyard through the use of the portion of patio to remain. This narrative can be detailed in the report. Finally, the previous exception was the minimum necessary for the builder of the house, not the current occupants.

Fairfax County Department of Land Development Services TNT Project #: 1426
July 29, 2020
P a g e | 3

7. 118-3-2(c); Show the location of the proposed fire pit.

Res n e: The fire pit will be removed completely. This has been discussed in sections 118-3-2(c) and 118-4-3(e).

8. 118-3-2(d); Removal of impervious areas should be done with handheld equipment only.

Re n e: Narrative regarding the use of handheld equipment has been added to this section.

9. 118-3-2(e); clarify the existing and proposed conditions: With the approval of the exception in 2004 the site comprised: Forest Open space = 0.62 ac; 27,007 sqft Managed Turf = 0.15 ac; 6534 sqft Impervious Cover = 0.18 ac; 7840 sqft

The proposed conditions:

Forest Open space = 0.59 ac; 25,700 sqft; reduction of 1307 sqft since 2004 exception Managed Turf = 0.12 ac; 5227; sqft reduction 1307 sqft since 2004 exception Impervious Cover = 0.24 ac; 10,454 sqft; increase 2614 square feet since 2004 exception

Re n e This information was included in Appendix IV of the previous submission. This language pointing to Appendix IV has been included in this section.

Page 3

10. Show the existing vegetation on the "Existing Conditions (2019)" exhibit.

Res n e: The existing canopy lines have previously been included on the exhibit and discussed in Section 118-3-2(b). Narratives will be added in these sections discussing the existing maintained grassland that surrounds the patio. TNT can add a leader to the plan sheet if that is necessary. No other vegetation will be removed within the limits of clearing except for the grass and sod in the area. Certain portions of the patio will be removed, and grass will replace the disturbed area

11. Address any invasive species; address how indigenous vegetation is preserved to the maximum extent practicable. Included an invasive species management plan (e.g., type of vegetation removed, preserved and replaced, and methods proposed) if invasive species management is an objective of this application.

Res n e: Invasive species and management plan has been included on Sheet 5 in Appendix IX and mentioned in section 118-3-2(b).

12. Clarify any plant material to be removed and show it on Sheet 4.

Res n e: A leader has been added to Sheet 4 in Appendix IX.

Fairfax County Department of Land Development Services

TNT Project #: 1426

July 29, 2020

Page 4

13. Measures to re-establish the understory vegetation should be proposed; seed mix may be appropriate.

Res n e: Seed mix narrative has been added to Section 118-4-3(b) and included on Sheet 5 in Appendix IX.

Page 5

- 14. In the narrative for 118-4-3(b) address the following:
 - i. The condition and type of vegetation;
 - ii. Provide details of the requested exception;
 - iii. Existing topography, soils, hydrology, and geology of the site and adjacent lands;
 - iv. Impact of the proposed development to the existing topography, soils, hydrology, and geology of the site and adjacent lands;
 - v. Nature and extent of any fill material, the duration and proposed phasing of the project;
 - vi. All requisite wetland permits from other agencies;
 - vii. Type of all vegetation to be removed;
 - viii. Location, type, characteristics, and condition of RPA features;

Res n e: As previously acknowledge by you, this is all information only required by the Technical Bulletin dated January 22, 2020. It is not required for this plan as the original WQIA was submitted in 2019, prior to the adoption of this requirement; however, narrative that will be useful for the ERC has been added to this section.

- 15. In the narrative for 118-4-3(c) address the following:
 - i. Provide a detailed justification; explain the violation and provide justification for the patio and grill and any other encroachments beyond those on the 2004 exception to remain. For items to be removed explain further the encroachment required to remove the items. Address the above in this section or state where it is addressed in the WQIA.
 - ii. 118-4-3(e) The narrative should be expanded to discuss the proposed BMPs and explain how they will be effective in preventing an increase in nonpoint source pollution.
 - iii. 118-4-3(e) The narrative should address measures for hydrogeological (the distribution and movement of water) impacts.
 - iv. 118-4-3(e) The statement "It is TNTs opinion that the current property owners should not have to mitigate for the actions of the previous owners of the property" does not belong in this section. The Water Quality Impact Assessment is a statement of fact. Statements of opinion should be restricted to the statement of justification.
 - v. 118-4-3(f) Provide additional information to support the need for the extensive patio and explain why this is needed at this time and was not needed at the time the exception for the house was granted.

Re n e: Because TNT is submitting the exception request separately, comment (i) does not apply to this section. The other comments have been included in the appropriate sections mentioned above and do not need to be repeated in section 118-4-3(c).

Fairfax County Department of Land Development Services

TNT Project #: 1426

July 29, 2020

Page 5

Page 6

16. 118-6-6(a); Reference the section 118-6-6. In addition to the history state why the requested exception is the minimum necessary to afford relief.

Res n e: The section will be provided under a separate cover to submitted at a later date.

17. 118-4-3(g); This section should be updated to reflect the VRRM computations; the two planter boxes with sheet flow to conserved open space.

Re n e: The section will be provided under a separate cover to submitted at a later date.

18. State the 2004 phosphorous load and the proposed 2020 phosphorous Load; demonstrate that there is a water quality benefit.

Re n e: The section will be provided under a separate cover to submitted at a later date.

Page 8

19. 118-6-6(b) That granting the exception will not confer any special privileges denied in similar situations. Staff do not concur that the referenced properties with RPA encroachment support this finding:

The encroachments at 900 Mackall Avenue, 839 Whann Avenue; the patios and pools in the RPA are existing non-conforming uses constructed before the RPA was established.

With the exclusion of a small part of the pathway, the improvements at 836 Mackall Avenue which would require an exception are outside the RPA; as demonstrated by the field delineation on the infill lot grading plan.

Res n e: The section will be provided under a separate cover to submitted at a later date.

20. 118-6-6 (d) The application does not contain sufficient facts to enable staff to ascertain why the exception is not based on circumstances that are self-created and self-imposed.

Re n e: The section will be provided under a separate cover to submitted at a later date.

21. 118-6-6(f) / 118-6-9. Consider a gravel diaphragm around the patio and treating this area as sheet flow to conserved open space.

Re n e: The section will be provided under a separate cover to submitted at a later date.

Fairfax County Department of Land Development Services TNT Project #: 1426 July 29, 2020 P a g e \mid **6**

We appreciate the opportunity to work with you on this project. TNT Environmental is submitting an updated WQIA that addresses these comments and provides the updated proposed plans for this property. If you have any questions, please feel free to contact us at any time at (703) 466-5123. Sincerely,

TNT ENVIRONMENTAL, INC.

Tara N. Wilkins, WPIT Environmental Scientist

Tara@TNTenvironmentalinc.com

Avi M. Sareen, PWD, PWS, ISA-CA

Principal/President

Avi@TNTenvironmentalinc.com



6630 Holland Street Comment – Response Letter July 24, 2020

Camylyn Lewis, P.E., CFM, Senior Engineer III – SDID, LDS

Comment #1 Boundaries of entire property, with bearings and distances of the perimeter

property lines.

Response: This information has been provided. See Sheet 4.

Comment #2 Show all minimum yards, and the distances from existing structures to the lot line.

Response: Minimum yards and distances from existing structures to the lot lines have been

added. A note has also been added. See Sheet 4.

Comment #3 Delineation of the existing centerline of all streets abutting the property, including

dimensions from the existing centerline to the edge of the pavement and to the edge

of the right-of-way.

Response: Centerline of streets with dimension to edge of pavement and to edge of right-of-

way have been added. See Sheet 4.

Comment #4 The approximate on-site and off-site areas to be served by each stormwater

management facility, along with the acreage draining to each facility.

Response: Requested information has been provided. See sheet 4. .

Comment #5 A preliminary stormwater management narrative: a statement that the project is

exempt for Chapter 124 and why.

Response: A stormwater management narrative has been added. See Sheet 4.

Comment #6 Show the calculation of percent increase in impervious surface on-site and types of

surfacing materials used on the plan.

Response: Calculation showing the percent increase in impervious surface on-site and types

of surfacing materials has been added. See Sheet 4.

Comment #7 Include a statement on Sheet 4 "that all selected plants are indigenous species

appropriate for the riparian buffer to the extent practicable".

Response: Requested note has been added, see Sheet 4.

APPENDIX III

OWNERSHIP DEEDS

THIS DEED OF DEDICATION OF LIGHEY FOREST, SECTION FOUR, made this

3th day of October, 1951, by John C. MACLALL and MARION H. MACKALL, his wife,

WHEREAS, the said JOHN C. MACAALL and MARION H. MACKALL, his wife are
the sole owners and proprietors of all of that certain tract or parcel of land

located in Providence Magisterial District, Fairfax County, Virginia containing

55.726 acres and being a portion of the land which was conveyed to JOHN

C. MACKALL by deed of partition dated April 20th, 1949, recorded April 29th, 1949

In Deed Book 686 page 12 of the land records of said county. Said tract of

parcel of land hereby dedicated being bounded and described according to a survey

made by J. R. Grefe, dated June 26, 1351 , as follows, to-wit.

Beginning at a concrete monument in the northerly edge of Benjamin Street, a corner to section 2 and Section 4, Langiey rorest: thence with the easterly ease of sala Section 2, Langley Forest N. 260 22 00 W. 690.09 feet to a point in the center of Dead Run; thence departing from said easterly line and down stream with said center of Dead Run the following courses and distances, S. 74 51 50 E. 78.65 feet; N. 55 24' 50" E. 284.05 feet; N. 56' 22' 20" E. 78.65 feet; N. 56' 24' 50" E. 192.20 feet; N. 66' 24' 50" E. 155.77 feet; N. 68' 42' 20" E. 165.70 feet; N. 20' 17' 40" E. 18:30 feet; N. 57' 15' 10" E. 202.22 feet; N. 59' 20' 10" E. 242.85 feet; N. 51' 44' 10" E. 190.59 feet to a point, thence go prints from a context of D. 10" point, thence departing from said center of Dead Run and through the lands of mackall the collowing courses and distances; 5.71° 37' 30" E. 547.23 feet, S. 64° 51' 10" E. 174.05 feet; S. 50° 56' 40" L. 135.63 feet, S. 2d° 11' 10" E. 190.52 feet; S. 15° 62' 20" E. 158.27 leet; S. 52° 51' 40" E. 95.57 feet to a point in the lesterly edge of mackall Avenue, thence with said westerly edge of lackall Evenue N. 10° 5.' 20" b. 50.44 feet to the point of intersection of said westerly edge of what all avenue and the northerly eage of wright way, thence departing from said resterly edge of reachill Avenue and with said northerly ease of misit way 5. 500 16' 20" h. 047.01 feet to a concrete monument, a corner to machall and hanging Forest, Section 4; thence departing from said northerly edge of direct way and continuing through the lines of machell b. 10° 54' 20" w. 0.2.00 roet to a concrete monument, a corner to machil and bangie, forest, Sections 1 and 4, thence the northerly edge of Langley forest, section 1, 5. 85 20 66" west 422.55 feet to a point in the casterly edge of mackall Avenue, thence with said easterly edge of Mackall Avenue 75.01 icet along the arc of a curve to the lost concave casterly naving a radius of 869.71 feet, the chord of which bears 5. 2 141 551 b. 74.39 feet to a point, thence departing from said easterly edge of machall Avenue and with the northerly edge of Langley Forest, Section 1,N. 79° 17' 00" W. 51.50 feet to a point in the westerly eage of Mackall Avenue; thence continuing with said northerly edge of Langley Forest, Section 1, S. 870 47' 40" w. 510.00 feet to a point; N. 65° 46' 40" W. 252.09 feet to apoint; S. 69° 02' 20" W. 165.55 feet to a point in the easterly edge of Whann Avenue; thence with said easterly edge of whann Avenue N. 280 10' 40" N. 62.80 feet to the point of intersection of the northerly eage of Benjamin Street and westerly edge of whenn Avenue; thence with said northerly edge of Benajmin/5. 790 20' 00" W. 170.80 feet to a point, passing

through the westerly edge of Whann Avenue at 52.42 feet; thence continuing with said northerly edge of Benjamin Street 329.74 feet along the arc of a curve to the left concave southeasterly, having a radius of 765.92 feet, the chord of which bears S. 67° 00° 00° W. 327.20 feet to a point; thence S. 54° 40° 00° W. 85.90 feet to the point of beginning, containing 55.726 acres,

whereas, said owners and proprietors desire to subdivide the hereinbefore described tract of land into lots, streets and public ways, and have
caused the plat of such subdivision with reference to known or permanent monument
to be made, which accurately describe all of the subdivisions of said tract or
parcel of land, and gives the dimensions and length and breadth thereof and the
breadth and courses of all streets and public ways established therein, the said
plat of said subdivision, made by J. F. Grefe, Certified Surveyor, being hereto
attached:

WHEREAS, there is endorsed on said plat a certificate of the said

J. F. Grefe, Certified Surveyor, certifying that the land in said subdivision

is now in the name of the said JOHN C. Mackall and MERION H. Mackall and is a

portion of the land acquired by deed of partition dated April 20th, 1949,

recorded April 23, 1948, in Deed Book 686 page 12 of the land records of said

county, and further that the land embraced in said subdivision is within the

bounds thus acquired and is accurately described by metes and bounds, bearings

calculated to the true meridian; and that there are original stone monuments, as

shown, and mon pipe set two feet in the ground at the corners of said subdivision;

NOW, THEREFORE, THIS DEED OF DEDICATION

while, the sole owners and proprietors of the hereinbefore described tract of land do hereby supdivide said tract of land into lots and streets and public ways, as snown on said plat of said tract or land hereto annexed, and made a part hereof, and hereby dedicate said streets and public ways shown hereon as public streets, said supdivision being known and designated as "LANGLEY FOREST, SECTION FOUR", containing thirty-nine lots, numbered from one to thirty-nine, both inclusive; and the said JOHN C. MACKALL and MARION H. MACKALL, his wife, being the sole owners and proprietors of the hereinbefore described tract or parcel or land, do nereby state that the annexed subdivision of the said tract of land known and designated as "LANGLEY FOREST, SECTION FOUR", as the same appears on the annexed plat, is with the free consent and in accordance with the desire of the under-

signed omers and proprietors and in accordance with the law.

The title to the lots or parcel of land, included in said subdivision, shall se subject to the collowing conditions, restrictions and covenants, which shall be taken and construed as running with the title to said land;

- 1. That no residence shall be built on any lot costing less than \$15,000.00 and of less toan 1200 gross feet of ground space for a one or one and one-half story dwelling or less than 1000 gross feet of ground space for a two br two and one-half story dwelling excepting, however, guest houses, tenant houses or servant quarters, unless specific approval of less gross feet of ground space is given by original owners of Langley Forest, Section 4 after submission of plans and specifications.
- 2. No residential structure shall be erected or placed on any building plot, waich plot has an area of less than 10,000 square feet, nor an average vidth of less than 60 feet.
- 3. No structure of a temporary character, trailer, basement, tent, shack, garage, barn or other outculloings shall be used on any lot at any time as residence either temporarily or permanently.
- 4. These covenants are to run with the Land until January 1, 1977, at which time said covenants shall be automatically extended for successive periods of ten years unless by a vote of the majority of the then owners of the loss t is agreed to change the said covenants in whole or in part.
- 5. If the parties hereto, or any of them, or their heirs or assigns, or any future lot owner in said subdivision, shall violate or attempt to violate ny of the covenants herein it shall be lawful for any other person or persons erming any real property situated in said development or succivision to prosecute any proceedings at law or in equity against the person or persons violating or ttempting to violate such covenant and either to prevent him or them from so doing and recover demages or other dues for such violation.

wITNESS the following signatures and seals:

Maloillackael JOHN C. MACKALL

Paris Or VinGiria,

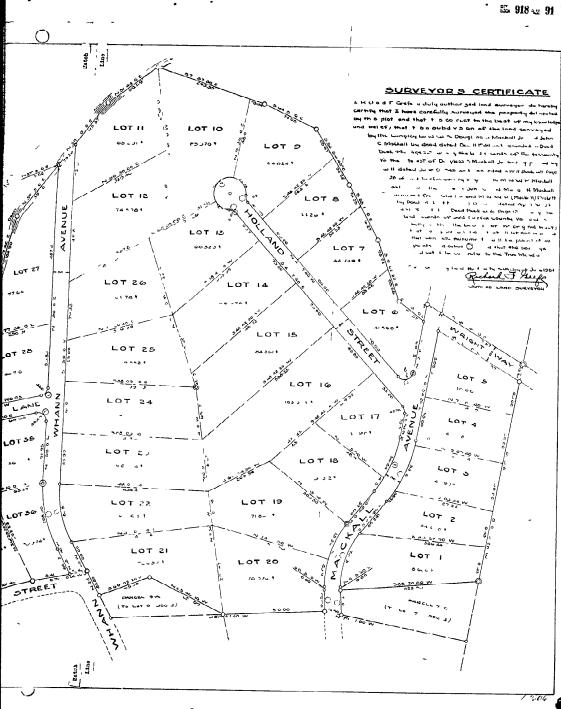
to-.nt:

Caraffa to Yinuco

I, zvelyn d. Barringer _____, a Notary Public in and for the State and County eforesaid, mose commission as such expires on the late and of March ,19 55, as hereog certify that this day personally appeared before me in my County and State aforesaid John C. HACKALL ncieto annemed Dumb Or umploaTION dated the 9th day or October, 1951, and acknowledged the same.

Given under my hand this 17th day of October, labl.

In the Clerk's Office of the Circuit Court of Fairfax County, Virginia OCT 19 1951 at 3/6 M. This instrument was received and, with the certificate annexed, admitted to record, with the Thomas Magemen & Clerk.



0ECO 1033 PAGE 223

Dec.29,1952 - Mailed to: Mr. Elwood B. White 2876 S. Abingdon St. Arlington, Va.

Deed 21592

JOHN C. MACKALL and MARION H	lackall, his wife, part	des of the first part, and
ELTOOD BROOKE WHITE	and	DORIS F. WHITE
, his wife, joint tenants, p	arties of the second part	
WITNESSETH, that in consideration paid by the parties of the second part to acknowledged, the said parties of the first general warranty of title, unto the said pain common, with the common law attrib Providence Magisterial District, Fairfax C	the parties of the first part do hereby grant, it rues of the second part, a utes of survivorship, al	t part, receipt of which is hereby bargain and sell and convey, with as joint tenants and not as tenants il of that certain land situated in
All of original Lot Number Langley FOREST, SECTION 4, as per roctober 9th, 1951 in Deed Book 918	lat thereof attached	n subdivison designated as to deed of dedication recordend nd records of said county.
The title to the land hereby conveyed nants of record and any easements which r Company	is subject to any and al may have been granted to	ll conditions, restrictions and cove- o the Virginia Electric and Power
TO HAVE AND TO HOLD said land in	nto and to the are at	
TO HAVE AND TO HOLD said land u joint tenants, with the common law attribu	to and to the use of sa	and parties of the second part, as
the title to the land hereby conveyed shall be	ves of survivorsing, it be	ang the intention of this deed that
their joint lives and upon the death of either	r fee simple title is to s	ne second part in fee simple during
	()	est in the survivor
WITNESS the following signatures and	Thuloil	OHN C MACKALL (SEAL)
STATE OF VIRGINIA COUNTY OF FAIRFAX to-wit	XXQ?, LOIL MA	RION H MACKALL (SEAL)
I, Evelyn W. Barringer		, a Notary Public in and for
the County of Fairfax in the State of Virg	nna, aforesaid, whose co	ommission as Notary Public will
. , , , , , , , , , , , , , , , , , , ,	lo hereby certify that th	us day JOHN C MACKALL and
MARION H MACKALL personally appeare the foregoing deed dated the 13th	don of Manager	inty and State and acknowledged
the foregoing deed dated the 13th leed	day or november _	1952 to be their act and
Given under my hand this 13th	day of Kovember	···, 195.2 ₄ .
	MENTALY S	for Fairfax County, Virginia

In the Clerk's Office of the Circuit Court of Fairfax County, Virginis DEC 191952at 1.49P. M This instrument was received and, with the certificate annexed, admitted to record Thomas I. Chajiman

Teste:

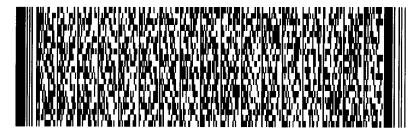
Standalone Cover Sheet Version 1.2

Page 1 of 1

Fairfax County Land Records Cover Sheet - 04000406DEED

Instrument(s) DEED Grantor(s) WHITE, DORIS F_I_N Grantee(s) PREMIER DEVELOPMENT LLC_I_N

Consideration	850000.00		Consideration %	100	
Tax Exemption	None		Amount Not Taxed		
DEM Number			Tax Map Number	021-2- / /02/0006	
Original Book			Original Page		
Title Company	STEWART TI	TLE AND ESCR)W	Title Case	04000406LM
Property Descr.	LANGLEY FO	DREST SEC 4 LO	Т6		
Certified	No	Copies	0	Page Range	



Print

Next Page

STEWART TITLE & ESCROW, INC. 10505 Judicial Drive, Suite 300 Fairfax VA: 22030

Deed Prepared by Kevin J. Kelley, Esq. Consideration: \$850,000.00

Tax Map No: 021-2-/02//0006

File No: 04000406 (im)

Grantee's Address: 2729 B MERRILEE DR., FAIRFAX, VA 22031

DEED

THIS DEED, made and entered into this ______ day of _______, and between DORIS F. WHITE, widow and not remarried, Grantor, party of the first part; and PREMIER DEVELOPMENT LLC, a Virginia limited liability company, Grantee, party of the second part;

WITNESSETH:

That for and in consideration of the sum of TEN DOLLARS (\$10.00), cash in hand paid unto the party of the first part at and before the delivery of this Deed, and other good and valuable consideration, receipt of all of which is hereby acknowledged, the party of the first part does hereby grant, bargain, sell and convey with GENERAL WARRANTY AND ENGLISH COVENANTS OF TITLE, unto the party of the second part all of that certain lot or parcel of land, together with all improvements thereon, located and being in the County of Fairfax, Virginia, and more particularly described as follows:

All of original Lot Numbered 6 in that certain subdivision designated as LANGLEY FOREST, Section 4, as per Plat thereof attached to Deed of Dedication recorded October 9, 1951 in Deed Book 918 at Page 86, of the land records of Fairfax County, Virginia.

AND BEING the same property conveyed to Elwood Brooke White and Doris F. White, husband and wife, as joint tenants, with the common law right of survivorship, by deed recorded among the land records of Fairfax County, Virginia in Deed Book 1033 at Page 223. The said Elwood Brooke White having died on January 30, 1987, leaving Doris F. White surviving joint tenant.

This Deed is subject to all easements, rights of way and restrictions of record.

Reference is hereby made to the aforesaid deed or deeds referred to herein for a more particular description of the land hereby conveyed.

WITNESS the following signature(s) and seal(s):

Dois F. White by Bulasce W. Hewlery, DORIS F. WETTE, by BARBARA W. NEWBERRY, her Attorney in Fact

STATE OF VIRGINIA COUNTY OF FAIRFAX

, to wit:

February, 2004. Chu day of

My commission expires:

Reza Raissian NOTARY PUBLIC Commonwealth of Virginia My Commission Expires 4/30/06

VB Cover Sheet Version 1.0

Page 1 of 1

Fairfax County Land Records Cover Sheet -06003564DEED

Instrument(s)

DEED

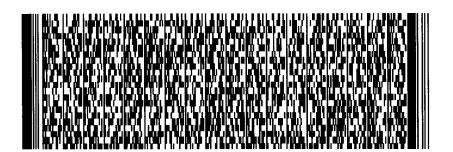
Grantor(s)

PREMIER DEVELOPMENT LLC _I_N

Grantee(s)

SOLOMON, STUART L_I_N; SOLOMON, REGINA B_I_N

Consideration	3850000.00		Consideration %	100	
Tax Exemption	None		Amount Not Taxed		
DEM Number			Tax Map Number	021-2-/02/	/0006/
Original Book			Original Page		
Title Company	STEWART TITLE AND	ESCROW	7	Title Case	06003564KS
Property Descr.	LANGLEY FOREST, SEC 4, LOT 6				
Certified	NO	Copies	0	Page Range	



This instrument prepared by: Kevin J. Kelley, Virginia State Bar Number 18845 Kevin J. Kelley, P.C., 4200 Evergreen Lane, Suite 313 Annandale, Virginia, 22003

DEED OF BARGAIN AND SALE

THIS DEED is made as of August 17, 2006, by and between **PREMIER DEVELOPMENT LLC**, a Virginia limited liability company ("Grantor"), party of the first part; and Stuart **C**. **SOLOMON** and Regina B. **SOLOMON**, husband and wife, ("Grantees"), parties of the second part.

WITNESSETH:

That for and in consideration of the sum of TEN DOLLARS (\$10.00), cash in hand paid unto the party of the first part at and before the delivery of this Deed, and other good and valuable consideration, receipt of all of which is hereby acknowledged, the party of the first part does hereby grant, bargain, sell and convey with SPECIAL WARRANTY OF TITLE, unto the parties of the second part as tenants by the entirety, with full common law right of survivorship, it being intended that fee simple title thereto shall vest in the parties of the second part during their joint lives, thereafter, fee simple title thereto shall vest in the survivor of them, all of that certain lot or parcel of land, together with all improvements thereon, located and being in the County of Fairfax, Virginia, and more particularly described as follows:

All of original Lot Numbered 6 in that certain subdivision designated as LANGLEY FOREST, Section 4, as per Plat thereof attached to Deed of Dedication recorded October 9, 1951 in Deed Book 918 at Page 86, of the land records of Fairfax County, Virginia.

AND BEING the same land conveyed to the Grantor by deed recorded among the land records of Fairfax County, Virginia in Deed Book 15663 at Page 224.

This Deed is subject to all easements, rights of way and restrictions of record.

Reference is hereby made to the aforesaid deed or deeds referred to herein for a more particular description of the land hereby conveyed.

IT IS AGREED BETWEEN THE PARTIES HERETO THAT UPON THE RE-SALE OF THIS PROPERTY, STUART C. SOLOMON AND REGINA B. SOLOMON WILL PAY PREMIER DEVELOPMENT LLC, ITS SUCCESSORS OR ASSIGNS, ONE-HALF (1/2) OF ANY AMOUNT OF THE CONTRACT SALES PRICE OVER THE SUM OF \$3,850,000.00, NOT TO EXCEED \$125,000.00.

This instrument prepared by: Kevin J. Kelley, Virginia State Bar Number 18845 Kevin J. Kelley, P.C., 4200 Evergreen Lane, Suite 313 Annandale, Virginia, 22003

IN WITNESS WHEREOF, Grantor has caused this Deed to be signed by an authorized officer, as of the date first set forth above.

PREMIER DEVELOPMENT LLC a Virginia limited liability company

By:_

Mike Dolgas, Managing member

COMMONWEALTH OF VIRGINIA

County OF fairfix

The foregoing instrument was acknowledged before me on August 17, 2006, by MIKE DOLGAS, whose name as Managing member of PREMIER DEVELOPMENT LLC, a Virginia limited liability company, is signed to the foregoing deed on behalf of

the company.

My commission expires:

/ `

NOTARY PUBLIC
COMMONWEALTH
OF VIRGINIA
My Commission Expires
July 31, 2009

KAMELIA M. SACKS

Acknowledged and agreed to this 17 day of ______, 2006

Stuart C. Solomon

(SEAL)

Regina B. Solomon

(SEAL)

This instrument prepared by: Kevin J. Kelley, Virginia State Bar Number 18845 Kevin J. Kelley, P.C., 4200 Evergreen Lane, Suite 313 Annandale, Virginia, 22003

STATE OF Va,
COUNTY OF <u>fairly</u> , TO-WIT:
Subscribed, sworn to and acknowledged before me this 17 day of 2006 by STUART SOLOMON and REGINA B. SOLOMON, husband and wife.
Notary Public
My commission expires: 7 31 2009
Tax Map Reference: 021-2-02-006
Consideration: \$ 3,850,000.00
Mailing Address of Grantee: 6630 Holland St., Mclean, VA 22101 File No.: 0603564
Return to: STEWART TITLE & ESCROW, INC. 10505 Judiciał Drive, Suite 300 Fairfax, VA. 22030

This document prepared by Kevin J. Kelley, P. C.

2

Tax Map#: 0212 02 0006

Grantees Address: 6630 Holland Street McLean, VA 22101

File #ML-15-5724-FS

Prepared by and Return to: Erika S. Tucker, Esq. VSB# 39070 Tucker and Rauner, P.C. 6861 Elm Street Suito 100A McLean, VA 22101

Title Insurer: First American Title Insurance Company



MOWARCH TITLE MOWARCH TITLE 6831 ELM STREET SUTE 100 MGLEAN, VA 22101

DEED

THIS DEED is made this day of January, 2016 by and between Stuart L. SOLOMON and Regina B. SOLOMON, husband and wife, Grantors, and Teseo R. BERGOGLIO and Maria C. PARINI, husband and wife, Grantees.

WITNESSETH:

That for and in consideration of the sum of TEN DOLLARS (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantors do hereby grant, bargain, sell and convey in fee simple and with General Warranty and English Covenants of Title unto the Grantees as tenants by the entirety with common law right of survivorship the following described property, situate, lying and being in the County of Fairfax, Virginia, to wit:

All of original Lot Numbered 6 in that certain subdivision designated as LANGLEY FOREST, Section 4, as per Plat thereof attached to Deed of Dedication recorded October 9, 1951 in Deed Book 918, at Page 86, of the land records of Fairfax County, Virginia.

AND BEING the same property acquired by Stuart L. SOLOMON and Regina B. SOLOMON by Deed dated August 17, 2006, and recorded August 17, 2006, in Deed Book 18694, at Page 639, among the land records of Fairfax County, Virginia.

This conveyance is made subject to the covenants, easements, conditions, restrictions, and rights of way of record contained in the deeds forming the chain of title to said property.

WITNESS the following signatures and seals:

STATE OF TEXAS, COUNTY OF Haris, to wit:

I, the undersigned, a Notary Public for the State and County aforesaid, do hereby certify that Stuart L. SOLOMON and Regina B. SOLOMON whose names are signed to the foregoing Deed dated January 22,2016, have acknowledged the same before me in my State and County aforesaid.

Given under my hand and seal this January 2Z, 2016.

LEYIIVIN K. MOODLEY Notary Public, State of Texas My Commission Expires September 14, 2019

- (SEAL,) Modelley

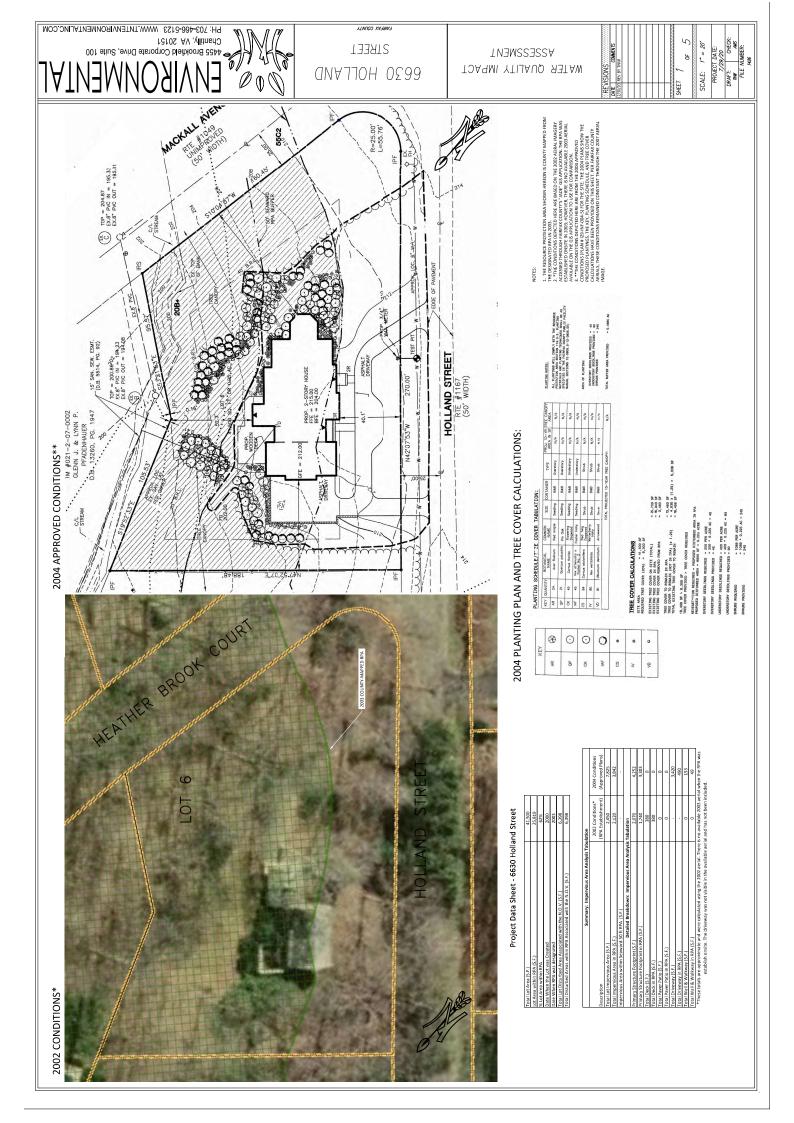
My Commission Expires:___

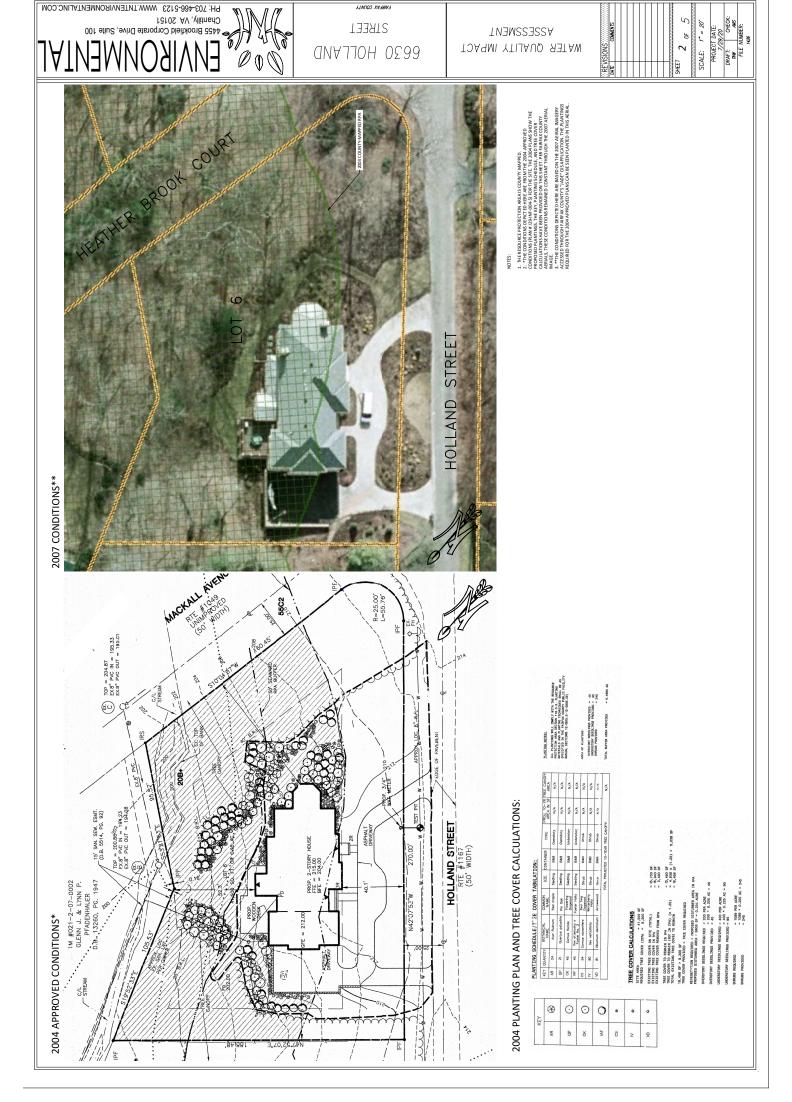
09/14/2019

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APPENDIX IX

WATER QUALI IMPAC ASSESMEN MAP







APPROX. VEGETATION REMOVAL AREA IN RPA

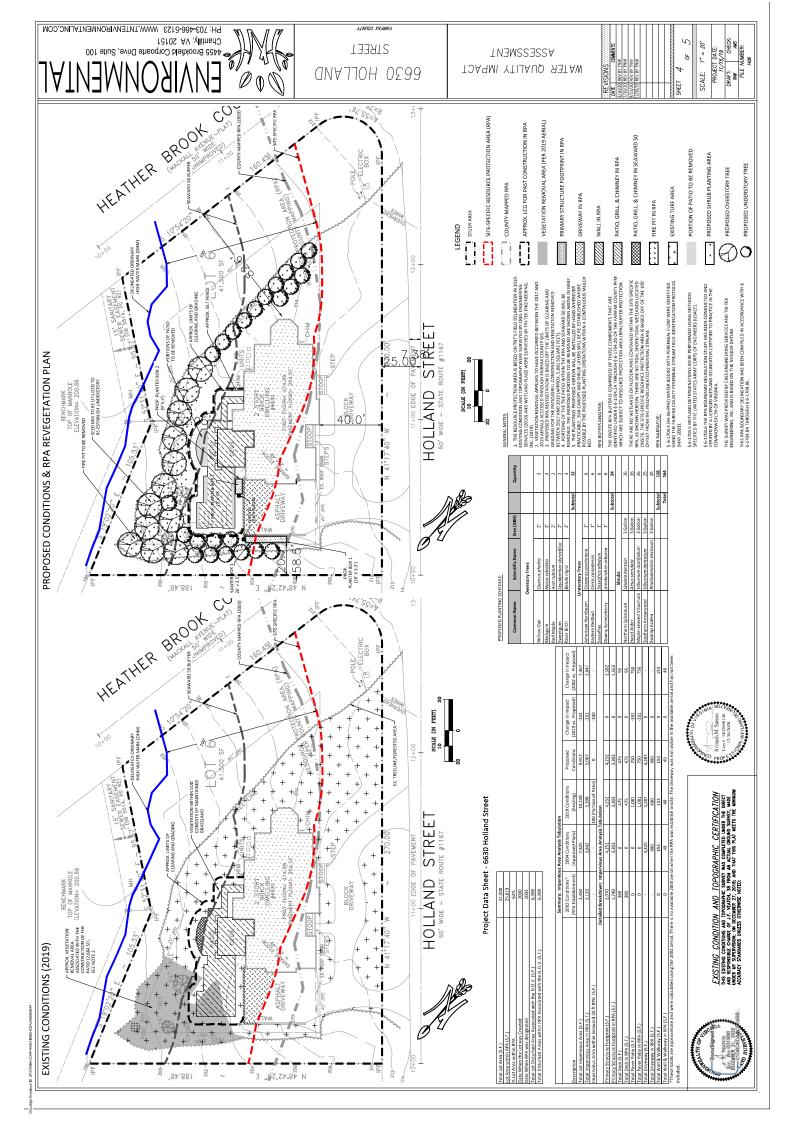


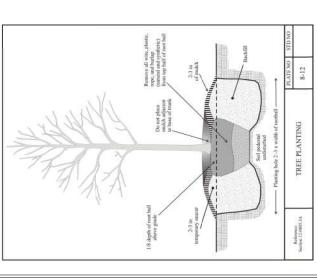
Chantilly, VA 20151
PH: 703-466-5123 WWW.TNTENVIRONMENTALINC.COM 4455 Brookfield Corporate Drive, Suite 100

STREET **GNAJJOH 0299**

FAIRFAX COUNTY

ASSESSMENT WATER QUALITY IMPACT





TREE PLANTING NARRATIVE:

TREE CUALTY ARD INSTALLATION: TARES THAT ARE WAND SHALL BE OF THE SPECIES AND SIZE SPECIFIED ON THE APPROVED TARES UNLESS SUBSTITUTIONS ARE APPROVED IN ACCORDANCE WITH THE PERMAND URMO.

-ALL TREES MUST MEET THE STANDARDS SPECIFIED IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERWIEN'S AMERICAN STANDARD FOR NURSERY STOCK, (ANST 860.1).

LAUSDCKEW WORKSHALLER INSTALLED AND MANTAINED IN ACCORDANCE WITH THE CURRENT AND MOST UP-TO-DATE EDITION AT THE TIME OF CONSTRUCTION) OF LANDSCARE SPECIFICATION GOLDELINES AS PRODUCED BY THE INANDSCARE CONTRACTORS ASSOCIATION (WAS A300 ANSISTRANDARD FOR TREE, SHRUB AND OTHER WOODP PLANT INSTALATION AND MAINTENANCE).

TRANSPORTING, DELIVERY AND TEMPORARY STORAGE: PLANTS SHALL BE PROTECTED DURING DELIVERY TO PREVENT DESICCATION OF LEAVES.

-TREES AND SHOUB SHOULD BE PLANTED ON DAY OF DELIVERY. IF THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT UNPILANTED PLANTS BY KEEPING THEM IN SHADE, WATERED WITH SOIL, MULCH OR OTHER ACCEPTABLE MATERIAL.

TREES AND SHRUBS SHALL NOT REMAIN UNPLANTED FOR MORE THAN TWO WEEKS.

THE STATING OF NURSERY STOCK.

IF PANTING IN ABEST THAT HAVE BEEN PREVIOUSLY COMPACTED. THE SOIL SHALL BE PROVIDED FOR THE STATING THE STATING FOR MARKINGS AS WEIGHD BASSID ON SOIL SAMPLES) TO A DEPTH OF I FOOT PROJECT ON STALLATION OF LANDSCAPE MATERIAL. SOIL WITHIN INDIVIDUAL PLANTING HOLES SHALL NOT BE AMENDED.

THE STAKING AND GLYING OF TREES IS NOT REQUIRED EXCEPT WHERE THE DIRECTOR DETERMINEST HAS TRIC CANDITIONS WARRANT THEN USE, EXMAPLES OF CONDITIONS WHERE THESE MITHOUS MAY BE NECESSARY INCLUDE PLANTING IN WINDIT LOCATIONS, THE STORES, ON WHERE WARRADISM MAY BE A CONCERN, LALL STAKES AND GUYS MUST BE DIRECT, WHICH ON ONE YEAR OF PARM INSTALLING.

ANUICHING, ALLTREES AND SHRUBS SHALL BE MUCHED AFTEP PARNTING; TO A MINIMUM MET OF TO REPRESENT FOUR CHARGE. THE WAS INCHES, WITH AN AN PROPAGATE MUCH MATERIAL SUCH AS PHR BARK, PINE METDLES, WOOD CHIPS OF SHREDDED BARK, MUICH STALL COVER THE MET UNTER BOTH AS AND SAUCER, HOWEVER, MULCH STALL NOT BE PLACED WITHIN 6 INCHES OF THE TRUNK.

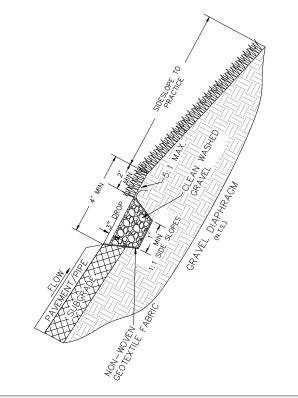
PROJECT DATE:
11/13/19
DRAFT: CHECK:
NW AUS
FILE NUMBER: SCALE: 1" = 20'

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COMMENTS

YSSESSMENT

WATER QUALITY IMPACT



INVASIVE SPECIES CONTROL NARRATIVE: I. ANY APPLICATION OF ENVIRONINENTIALLY SENSITIVE APPROVED HERBICIDES SHALL BE APPLIED BY A VIRGINA CERTIFIED APPLICATOR OR REGISTERED TECHNICIAN.

2. ENGLISH IVY: REMOVE FROM TREES AND LANDSCAPE BY CUTTING ALL VINES AT GROUND LEVEL. WINKS SHOULD BE COT AGAIN SYNERAL REET DITHE TRINK. FEITHE CUT SCHONS OFFER ALL FEITHER TRINK. FAITHE CUT SCHONS OFFER ALL FIRE TRINK. REMOVE GROUND ET TAKEN NOT TO STRIP THE BARK OFF THE TREE. THULK SCHOULD BE TAKEN NOT TO STRIP THE BARK THANK. REMOVE GROUND COVER BY HAND PULLING, CUTTING AND MULCHING OVER TOP, AND/OFF APPRIVING A CHAPOSATH TERBEDT SA AD ADDICATED TO SA ADDICATED AS A PERCENT SOLUTION IN THIS TERM. SEE STRING TRINK STRING TRINK STRING TRINK STRING TRINK STRING TRINKET TO REDUCE GROWTH LAYER AND TO INJURE LAYES FOR IMPROVED HERMOLD INTAKE RETREATMENT OF THE REMOVARD REMOVED FROM THE PROJECT STIF.

A ADMINES ADMINESTED TO THE REMOVED BY A HADOT DO MININESTED TO TEXTERANCE TO DESCRIBE A THE SECTION OF THE ADMINISTRY OF THE AND THICLOPINE MAY BE A PIPLIED TO FOLKIGE BY A VINGINIA CRITICED APPLICATION DURING COMMINES SHOWN SELSON THEM TO TO TO THE ADMINISTRY OF THEM TO THE ADMINISTRY OF THEM THE ADMINISTRY OF THEM THEREOFFE. THE ADMINISTRY OF THEM THEREOFFE THEM TO A METERSANCE.

4. INVASIVE SPECIES CONTROL SHALL COMMENCE WITH E&S PHASE I AND BE CONDUCTED UNITHE PLANTS NOTED AROVE ARE NO LONGER IN ABUNDANCE OR UNTIL BOND RELEASE, WHICHER IS LATER.

VA Northern Piedmont Riparian Mix

13.0%. Elymus virginicus, PA Ecotype (Virginiu Wildrys, 15.0%. Sorghustrum nuteus, Townbunk (todiumgran), 21.0% Panicam amega, Eastern Share MD Ecotype 18.0% Panicam claudextinum, Tiogai (Deertonga

SITE-SPECIFIC PLANTING AREA = 0.1 ACRES (5,148 SF) -OR THIS SITE, 2.185 OF SEED MIX SHOULD BE APPLIED WITHIN THE SEED MIX PLAN

STREET

DE30 HOLLAND

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

SEED MIX ERNMX-852 SHOULD BE APPLIED AT 20 LBS/ACRE