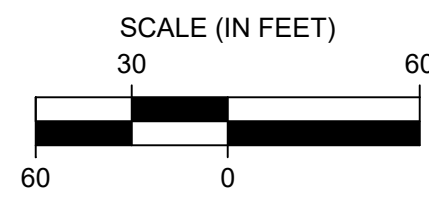


Legend

- | | | | | | |
|--|------------------------------------|--|---|--|--|
| | Site Boundary | | Steep Slopes ≥15% | | Non-Tidal Wetlands |
| | Existing Contours | | Stream Buffer | | Non-Tidal Wetland Buffer |
| | CcD
DoD
Soils Lines and Text | | Primary Management Area (PMA) | | Specimen Tree and Critical Root Zone (CRZ) |
| | Existing Buildings | | 100-year floodplain | | Recorded Forest Conservation Easement |
| | FSD Data Sample Point | | 100-year floodplain Building Restriction Line | | Forest Interior Dwelling Species (FIDS) |
| | Forest Stand Boundary | | Regulated Stream (R3/R4) | | Tier II Buffer - 125' |
| | Existing Tree Line | | Regulated Stream Centerline (R3/R4) | | Approximate Wetland/Stream Flag Point |
| | | | | | Approximate Wetland Data Point |



This Forest Stand Delineation has been prepared in accordance with all State and local ordinances which were in effect as of the date shown below. The undersigned is a qualified professional in accordance with COMAR 08.19.06.01.

Jennifer Anderson
Date: 09-23-2019

M-NCPPC Prince George's County Planning Department Environmental Planning Section NATURAL RESOURCES INVENTORY APPROVAL		
NRI / 152 / 06 Staff Signature		
Initial Approval	E. Clifton	01/05/2007
01 Revision	E. Clifton	04/17/2007
02 Revision	E. Clifton	05/23/2007
03 Revision	Brent Eftine	12/16/2019
04 Revision		

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ECS

MD-ATLANTIC, LLC
10025 THUNDERBOLT PLACE
SUITE 100
CHANTILLY, VA 20151
1-800-822-3489
703-771-9400
(FAX) 703-934-5527

UMD MIXED USE
COLLEGE PARK, MARYLAND

NRI-152-06

NATURAL RESOURCE INVENTORY
WETLAND DELINEATION PLAN
GILBANE DEVELOPMENT COMPANY

ECS REVISIONS

ENGINEER	DRAFTING
AMM	JAC

SCALE 1" = 100'

PROJECT NO. 47-8925

SHEET 2 OF 3

DATE 09-20-2019

Site Statistics	Total
Gross Tract Area	27.63 ac
Existing 100-year floodplain	1.89 ac
Net Tract Area	25.74 ac
Existing Woodland in Floodplain	1.89 ac
Existing Woodland in net tract area	15.07 ac
Existing Woodland (linear)	16.96 ac
Existing PMA	6.21 ac
Regulated Streams (linear feet of centerline)	1,538 LF
Riparian (Wooded) Buffer up to 300 feet wide	14.42 ac

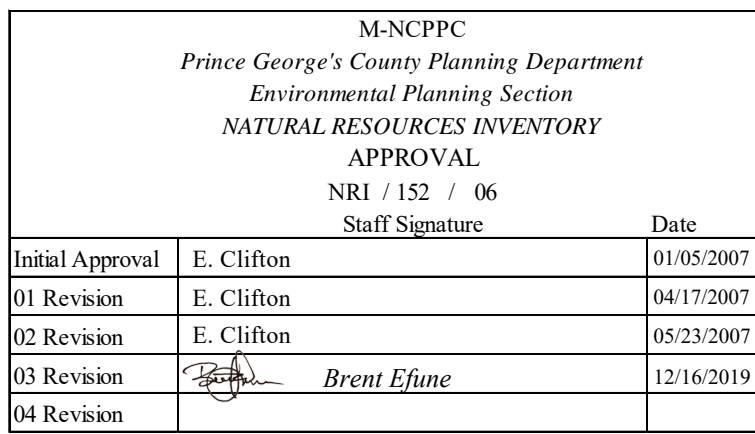
Standard Notes

1. This site is zoned R-55 (One Family Detached Residential) Developed Tier in accordance with Plan 2035.
2. The source of the property boundaries on this plan are from the Maryland Department of General Services.
3. The topography shown on this plan is from Rodgers Consulting Engineers, Inc., dated 10/18/2017.
4. The source of the soil information on this plan is from the U.S. Area of Interest (AOI) on January 26, 2018.
5. The regulated 1-percent annual chance (100-year) floodplain was determined by the Virginia Department of Transportation Permitting, Inspections and Enforcement, as from FPM 2007-09-01.
6. The wetland and stream information on this plan is from a vernal pool survey conducted by the Virginia Department of Game and Inland Fisheries, dated 6/2018, located using conventional surveying equipment.
7. The boundary between the State of Maryland and the District of Columbia is shown as defined by the Department of the Environment, or the U.S. Army Corps of Engineers.
8. This site does not contain Wetlands of Special State Concern.
9. This site does not contain a Tier II waterbody as defined by the Virginia Department of Environmental Quality.
10. This site is within the Middle Potomac Stronghold Watershed number 021402050822 Tributary Strategy Watershed, per the National Wetlands Inventory.
11. In a letter dated February 26, 2018, the Maryland Department of General Services advised that the site is not listed in the official State/Federal records of plant or animal species with WHS determining there were no official State/Federal records for the site.
12. The site includes potential Forest Interior Dwelling Species habitat as determined by the Virginia Department of Game and Inland Fisheries.
13. The site is subject to previously approved TCP's . Previous TCP's include: TCP# 0187, TCP# 064, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799

0 (Multifamily Residential) and is located Environmental Strategic
ary survey prepared by Rodgers Consulting, Inc. (2018)
18.
RCS Web Soil Survey (WSS) in a Custom Soil Resource Report
on this plan, approved by the Prince George's Department
#25746-2018-0 Issuance date: 10/15/2018.
Study prepared by Rodgers Consulting Inc. on February 2, 2018
ndaries of these water resources have not been verified by Mary
ers.
efined by COMAR 26.23.06.01, per PGAtlas.
R 26.08.02.04, per PGAtlas.
established by the MD DNR. The site is within the DNR 12 digit wa
.
atural Resource Natural Heritage Program determined there were
ctural area. Additionally, Rodgers received a letter on July 6, 2018
ant or animal species within the additional properties added (St.
bitat, per PGAtlas.
ved TCP's include:
the property and within 100 feet beyond the project area. These
property.
ict, per PGAtlas.
property, however, the subject property has not been surveyed for
property. Christina complex soil types were found to occur on o
regulation by Section 24-131 of the subdivision Regulations.
gnated as arterial or higher (Adelphia Road/Mowatt Lane), per P
ent review processes.
ews Noise Contours.
3CA).
y staff, or until information used to prepare the NRI changes. NR

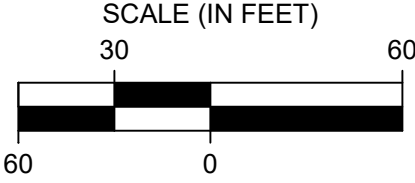
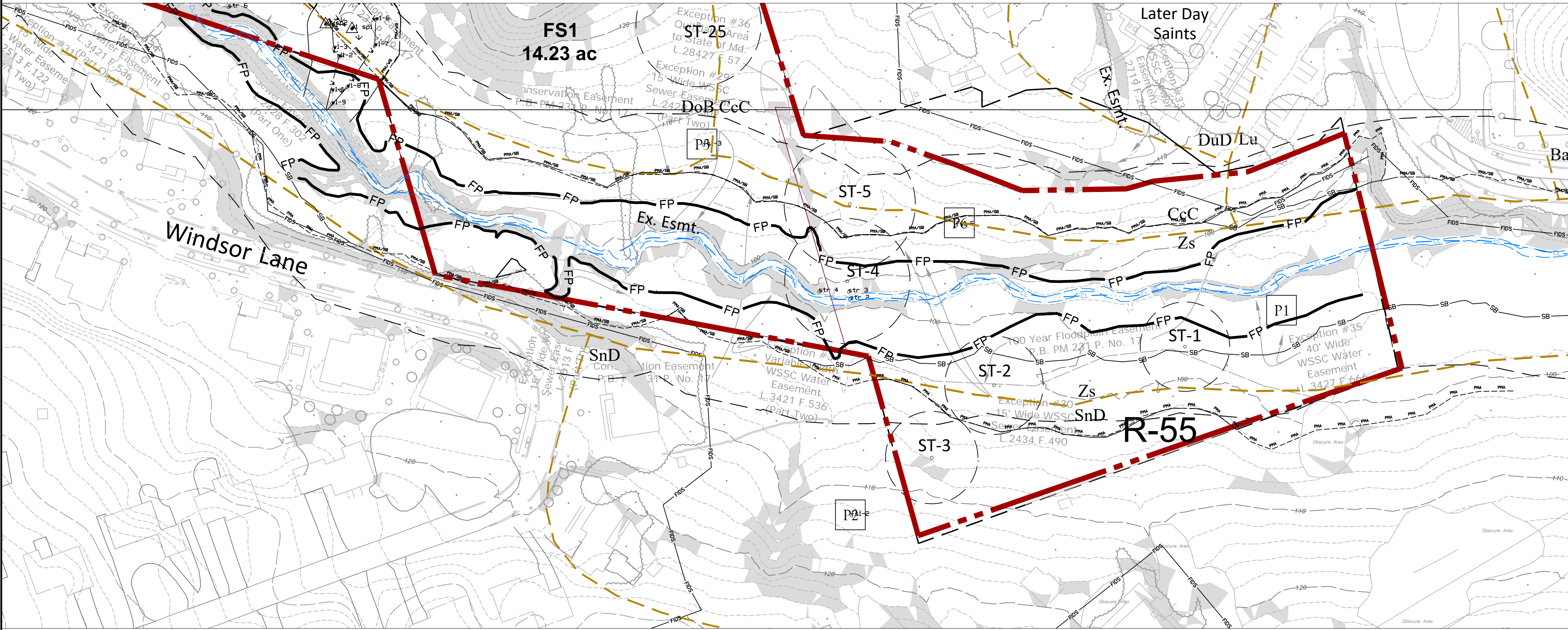
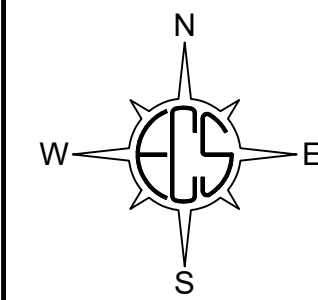
Ind Variable	Stand 1
Dominant/Codominant species	Tulip Tree, Red Maple, Red Oak, White Oak, Sweetgum, Pin Oak R. Maple, Sweetgum, White Oak, B. Cherry, B. Walnut, River Birch, Tulip Tree
Successional stage	Early to Mid-successional
Basal area in sq. ft. per acre	98
Size class of dominant species	10-17.9/18-29.9
Percent of canopy closure	79
Number of tree species per acre	19
Common understory species per acre	Black Cherry, Sweetgum, Burning Bush, American Holly, Red Maple, Nellie R. Stevens Holly, Black Locust; Privet, Princess Tree, Highbush Blueberry
Percent of understory cover 3' to 20' tall	22
Number of woody plant species 3' to 20' tall	11
Common herbaceous species	Privet, English Ivy, Poison Ivy, Indian Strawberry, American Holly, Garlic Mustard, Periwinkle, Oriental Bittersweet; Poison Ivy, Round-leaved greenbrier, Sweetgum, Catbrier, Sedge
Percent of herbaceous & woody plant cover 0' to 3' tall	32.67
List of major invasive plant species & extent of cover	Japanese Honeyuckle; English Ivy, Tatarian Honeyuckle, Oriental Bittersweet, Princess Tree, Bamboo, Barbary, Garlic Mustard, Periwinkle, Privet, Burning Bush, Indian Strawberry, (53.33%)
Number of standing dead trees 6" dbh or greater (per acre)	3
Comments	Stand 1 is an early to mid-successional forest with a significant presence of English Ivy. Heavy coverage of English Ivy vines on tree trunks are having a detrimental effect on trees. The presence of English Ivy on the forest floor is also preventing the establishment of tree seedlings. There is one small-forested wetland bordering the perennial stream draining the sub-watershed of the site near the center of the project. Urban debris (paper cups/beer cans) and similar forms of refuse are scattered throughout the site. Overall health of the forest is fair.

	Part A	Part B	Part C				
Stand	Structure (Out of 20)	Condition (Out of 20)	Location (Out of 20)	Total (out of 60)		Priority for Preservation (H, M or L)	Priority for Restoration (H, M or L)
1	12	10	15	37		M	M
2	10	16	20	46		H	H



SHEET 1 OF 3

DATE 00.00.0010



- Legend**
- Site Boundary
 - Existing Contours
 - Soils Lines and Text (CcD, DoD)
 - Existing Buildings
 - FSD Data Sample Point (P3)
 - Forest Stand Boundary
 - Existing Tree Line
 - Steep Slopes $\geq 15\%$
 - Stream Buffer (SB)
 - Primary Management Area (PMA)
 - 100-year floodplain (FP)
 - 100-year floodplain Building Restriction Line (FP BRL)
 - Regulated Stream (R3/R4)
 - Regulated Stream Centerline (R3/R4)
 - Non-Tidal Wetlands (W)
 - Non-Tidal Wetland Buffer (WB)
 - Specimen Tree and Critical Root Zone (CRZ) (ST-1)
 - Recorded Forest Conservation Easement
 - Forest Interior Dwelling Species (FIDS)
 - Tier II Buffer - 125'
 - Approximate Wetland/Stream Flag Point (W-#)
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Jennifer Anderson
Jannifer Anderson Date: 09-20-2019

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04 Revision			

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ECS REVISIONS

ENGINEER AMM	DRAFTING JAC
SCALE 1" = 100'	
PROJECT NO. 47:8925	
SHEET 3 OF 3	
DATE 09-20-2019	