



LEGEND

- STUDY AREA BOUNDARY
- PROPOSED PERMANENT IMPACT AREAS
- PREVIOUSLY AUTHORIZED PERMANENT IMPACT AREAS (WP4-21-2443 / 22-SPGP-RCR)
- PROPOSED TEMPORARY IMPACT AREAS
- LIMITS OF CLEARING AND GRADING
- PALUSTRINE FORESTED WETLANDS
- PALUSTRINE EMERGENT WETLANDS
- PALUSTRINE OPEN WATER
- PERENNIAL STREAM CHANNEL
- INTERMITTENT STREAM CHANNEL
- FIELD VERIFIED RESOURCE PROTECTION AREA BOUNDARY

COWARDIN CLASSIFICATION

PFO	PALUSTRINE FORESTED WETLAND
PEM	PALUSTRINE EMERGENT WETLAND
POW	PALUSTRINE OPEN WATER
R3	RIVERINE UPPER PERENNIAL
R4	RIVERINE INTERMITTENT

- NOTES:**
- Topography, site boundary and site design information provided by Youngblood Tyler & Associates, was used as a base for this exhibit. The contour interval (C.I.) is 2 feet.
 - The boundaries of jurisdictional wetlands and other Waters of the United States (WOTUS) within the Charter Colony West project area were delineated and surveyed by Youngblood Tyler & Associates in September 2020 and approved by the COE in a preliminary jurisdictional determination on November 2, 2020 (NAO-2020-1861).
 - Limits of impacts to jurisdictional wetlands and other WOTUS shown hereon are based upon current development plans and renderings for submission of the joint permit application. Buildings and other ancillary improvement types, layouts, and proposed uses may vary somewhat without affecting said permits as long as the nature and scope of impacts to jurisdictional wetlands and other WOTUS are not changed.

SUMMARY OF IMPACTS TABLE

Impact Number/Description	PFO (SF)	PFO (AC)	POW (SF)	POW (AC)	R3 (SF)	R3 (AC)	R3 (LF)	R4 (SF)	R4 (AC)	R4 (LF)	Total Impact Area (AC)	Total Impact Length (LF)	Total Stream Impact Length (LF)	Wetland Stream Impact Description	Impact Coordinates
1-DEQ	27,775	0.64	-	-	-	-	-	4,739	0.11	450	32,514	0.75	450	F, EX, S, NT, PE, IN, V, MC	37.49810 N, -77.68371 W
1-COE	21,949	0.50	-	-	-	-	-	1,797	0.04	159	23,746	0.55	159	F, EX, S, NT, PE, IN, V, MC	37.49810 N, -77.68371 W
2-DEQ	23,102	0.53	-	-	-	-	-	2,129	0.05	393	25,231	0.58	393	F, EX, S, NT, PE, IN, V, MC	37.49494 N, -77.68209 W
2-COE	7,103	0.16	-	-	-	-	-	410	0.01	101	7,513	0.17	101	F, EX, S, NT, PE, IN, V, MC	37.49494 N, -77.68209 W
3-DEQ	4,775	0.11	-	-	-	-	-	-	-	-	4,775	0.11	-	F, EX, S, NT, PE, IN, V, MC	37.49547 N, -77.67553 W
3-COE	4,334	0.10	-	-	-	-	-	-	-	-	4,334	0.10	-	F, EX, S, NT, PE, IN, V, MC	37.49547 N, -77.67553 W
4-DEQ	315	0.01	-	-	-	-	-	-	-	-	315	0.01	-	F, EX, S, NT, PE, IN, V, MC	37.49389 N, -77.67645 W
4-COE	17	<0.01	-	-	-	-	-	-	-	-	17	<0.01	-	F, EX, S, NT, PE, IN, V, MC	37.49389 N, -77.67645 W
5	659	0.02	-	-	-	-	-	-	-	-	659	0.02	-	F, EX, S, NT, PE, IN, V, MC	37.49547 N, -77.67553 W
6	1,984	0.05	-	-	-	-	-	-	-	-	1,984	0.05	-	F, EX, NT, PE, V, MC	37.49895 N, -77.67384 W
7 - Permanent	-	-	-	-	1,821	0.04	231	-	-	-	1,821	0.04	231	F, EX, NT, PE, PR, SB	37.49810 N, -77.68371 W
7 - Temporary	-	-	753	0.02	-	-	-	-	-	-	753	0.02	-	S, NT, TE, SB, NV	37.49753 N, -77.67795 W
Overall Permanent - DEQ	92,013	2.11	-	-	1,821	0.04	231	8,665	0.16	843	102,499	2.35	1,074		
Overall Permanent - COE	36,046	0.83	-	-	1,821	0.04	231	2,207	0.05	260	40,074	0.92	491		
Overall Temporary	-	-	753	0.02	-	-	-	-	-	-	753	0.02	-		
Overall Total - DEQ**	58,610	1.36	753	0.02	1,821	0.04	231	6,868	0.16	843	68,992	1.56	1,074		
Overall Total - COE***	36,046	0.84	753	0.02	1,821	0.04	231	2,207	0.05	260	40,827	0.94	491		

* Use all that apply: F = Fill; EX = Excavation; S = Structure; T = Total; NT = Non-tidal; TE = Temporary; PE = Permanent; PC = Permanent Conversation; PR = Perennial; IN = Intermittent; SB = Subaqueous Bottom; DB = Dune/Beach; IS = Hydrologically Isolated; V = Vegetated; NV = Non-vegetated; MC = Mechanized Clearing Of PFO.

**Impacts associated with WP4-21-2443 and WP4-23-0232 are incorporated in the DEQ total for their resuke and issuance of the general permit.

***Impacts associated with the proposed IP are incorporated in the COE total. The 22-SPGP-RCR impacts are to 0.62 acres and 383 linear feet.

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Exhibit 9:
Overall Wetlands and Waters of the U.S. (WOTUS) Impact Map
WP4-23-0772 / NAO-2020-1861
Prepared For: HHunt

Charter Colony West
Chesterfield County, Virginia
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REVISIONS				
No.	Date	Description	Rev. By	App. By
1	2/2022	Revised townhouse alignment per Agency request.	RPC	RN
2	4/2022	Addition of culvert at Impact #2.	RPC	RN
3	6/2022	Minor typographical updates.	RPC	RN
4	3/2023	Incorporation of full development plans.	ESM	RN
5	6/2023	Separation of approved and proposed impacts for COE.	ESM	RN

DATE: November 2021 SCALE: 1" = 150' C.I.: 2'

Horizontal Datum: VCS NAD 83

Vertical Datum: NAVD 88

Boundary and Topo Source: Youngblood Tyler and Associates

Design	Draft	Approved
RPC	RPC	RN

Sheet #
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Computer File Name:
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2023-12-9_Impact Map.dwg