# SPECIAL EXCEPTION THE DOG STOP AT CENTREVILLE SQUARE S.E. \_\_\_\_\_\_\_

SULLY DISTRICT
FAIRFAX COUNTY, VIRGINIA

# PROJECT TEAM

## **OWNER**

CENTREVILLE SQUARE, PROJECT LP ATTN. RONI ROBINS

3201 JERMANTOWN ROAD, SUITE 700 FAIRFAX, VIRGINIA 22015 PHONE: (703) 273-9320

# **APPLICANT**

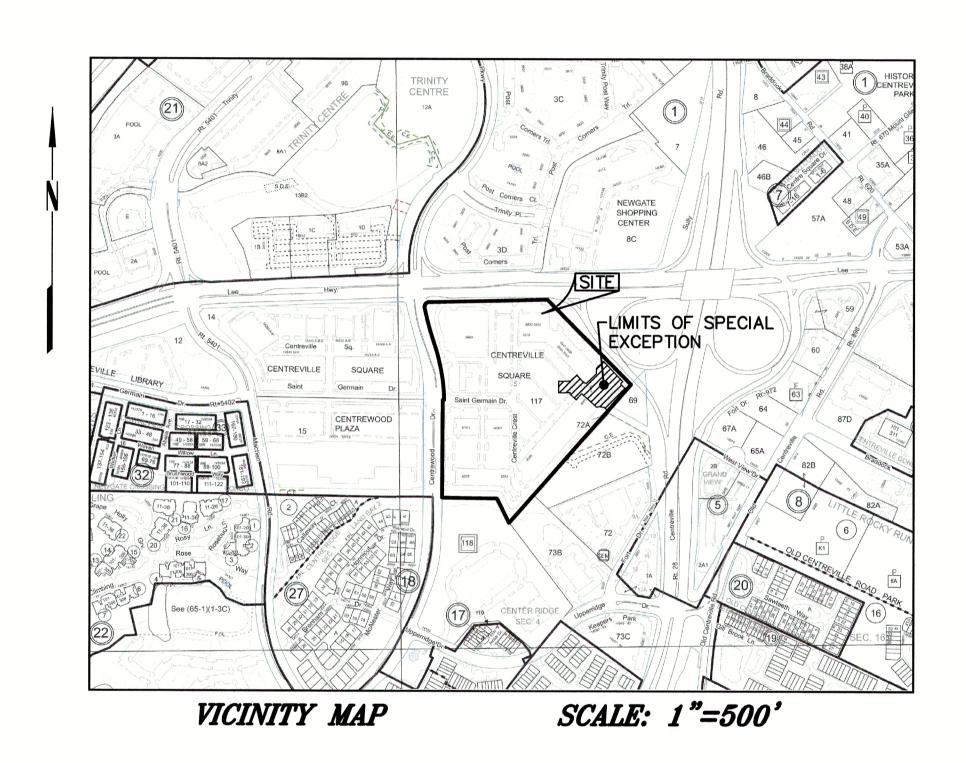
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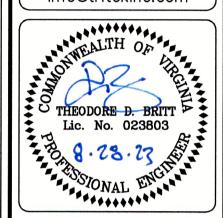
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- 1. COVER SHEET
- 2. GENERAL NOTES
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- 4. EXISTING CONDITIONS PLAN
- 5. SPECIAL EXCEPTION PLAN
- 6. STORMWATER MANAGEMENT COMPUTATIONS AND NARRATIVE

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ENVIRONMENTAL
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690 Center Street
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V: (703) 481-5900
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THE DOG STOP AT CENTREVILLE SQUARE

COVER SHEET

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	REVISION	PER COUNTY COMMENTS								
	DATE	08/28/23								
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BY ANY PROCESS WITHOUT THE EXPRESS WRITTEN CONSENT OF TRI-TEK ENGINEERING, INC.

F-2031

#### **GENERAL NOTES:**

- THE PROPERTY DELINEATED ON THIS PLAN CONTAINS 18.2525 ACRES (795,078 S.F.) AND IS IDENTIFIED ON FAIRFAX COUNTY TAX MAP 54-4-((1))-117. THE PROPERTY IS ZONED C-7 AND IS CURRENTLY DEVELOPED. THE PROPERTY IS WITHIN THE HIGHWAY CORRIDOR, WATER SUPPLY PROTECTION, AND SIGN CONTROL OVERLAY DISTRICTS. THE PROPOSED SPECIAL EXCEPTION APPLICATION AREA DELINEATED IS 0.9886 ACRES (43,062 S.F.).
- THIS SPECIAL EXCEPTION REQUEST IS SUBMITTED FOR OUTDOOR COMPONENTS ASSOCIATED WITH AN INDOOR KENNEL FOR THE SPECIAL EXCEPTION APPLICATION AREA IDENTIFIED.
- 3. BOUNDARY INFORMATION IS BASED ON A FIELD RUN SURVEY BY TRI-TEK ENGINEERING (FEBRUARY, 2015).
- TOPOGRAPHY INFORMATION SHOWN HEREON IS AT 2 FT. CONTOUR INTERVALS BASED ON A FIELD CONFIRMATION SURVEY BY TRI-TEK ENGINEERING (JANUARY, 2022).
- THE PROPERTY DELINEATED ON THIS PLAN IS NOW IN THE NAME OF CENTREVILLE SQUARE, PROJECT LP AS RECORDED IN DEED BOOK 10144 AT PAGE 0069 AMONG THE LAND RECORDS OF FAIRFAX COUNTY, VIRGINIA.
- $\mathsf{S}$ . THE LOCATION AND WIDTH OF EXISTING UTILITY EASEMENTS AND THE PRELIMINARY LOCATION(S) OF NEW OR RELOCATED UTILITIES ARE SHOWN ON THE EXISTING CONDITIONS PLAN AND SPECIAL EXCEPTION PLAT.
- 7. THIS SITE IS SERVED BY PUBLIC WATER AND PUBLIC SEWER.
- 8. OFF STREET PARKING AND LOADING IS PROVIDED IN ACCORDANCE WITH ARTICLE 6 OF THE FAIRFAX COUNTY ZONING ORDINANCE, UNLESS WAIVED.
- 9. THE OUTDOOR COMPONENTS ASSOCIATED WITH AN INDOOR KENNEL SHALL COMMENCE AT SUCH TIME AS APPROPRIATE COUNTY APPROVALS HAVE BEEN OBTAINED AND SUBJECT TO THE DISCRETION OF THE OWNER.
- 10. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THERE ARE NO KNOWN HAZARDOUS OR TOXIC SUBSTANCES THAT ARE TO BE GENERATED, UTILIZED, STORED, TREATED AND/OR DISPOSED OF
- 11. THIS SITE DOES NOT HAVE AREA SUBJECT TO 100 YEAR FLOODING OR EQC CRITERIA AND NO RPA EXISTS ON THE PROPERTY.
- 12. NOTWITHSTANDING THE IMPROVEMENTS AND TABULATIONS ON THIS PLAN, THE APPLICANT RESERVES THE RIGHT TO REASONABLY MODIFY THE FINAL DESIGN CONCEPTS AT ITS SOLE DISCRETION. TO COMPLY WITH NEW CRITERIA AND REGULATIONS WHICH MAY BE ADOPTED BY FAIRFAX COUNTY SUBSEQUENT TO THE APPROVAL OF THIS APPLICATION, PROVIDED THAT SUCH MODIFICATIONS ARE IN SUBSTANTIAL CONFORMANCE WITH THIS SPECIAL EXCEPTION PLAN. THE PROPERTY OWNER RESERVES THE RIGHT TO MAKE MINOR MODIFICATIONS TO THE SPECIAL EXCEPTION AREA PROVIDED THERE ARE NO SUBSTANTIAL IMPACTS TO THE CENTERS ACCOMMODATION OF THE SPECIAL EXCEPTION AREA.
- THE PROPOSED DEVELOPMENT IS IN CONFORMANCE WITH THE ADOPTED COMPREHENSIVE PLAN OF FAIRFAX COUNTY AND ADJACENT PROPERTIES. THE COMPREHENSIVE PLAN TRAILS MAP SHOWS A MAJOR TRAIL REQUIREMENT ON THE SOUTH SIDE OF LEE HIGHWAY. THERE IS AN EXISTING ASPHALT TRAIL RUNNING ADJACENT TO THE SITE ALONG LEE HIGHWAY.
- 14. THE PROPOSED DEVELOPMENT IS NOT ANTICIPATED TO HAVE ANY ADVERSE EFFECT ON ADJACENT OR NEIGHBORING PROPERTIES NOR DOES THE SITE HAVE ANY SCENIC OR NATURAL FEATURES DESERVING OF PRESERVATION.
- 15. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THERE IS NO EVIDENCE OF ANY GRAVE, OBJECT OR STRUCTURE MARKING A PLACE OF BURIAL.
- 16. SITE ACCESS IS FROM CENTREWOOD DRIVE.
- 17. ANY NEW OR EXISTING SIGNAGE TO REMAIN SHALL BE IN ACCORDANCE WITH THE STANDARDS SET FORTH BY ARTICLE 7 OF THE FAIRFAX COUNTY ORDINANCE. ANY NEW OUTDOOR LIGHTING SHALL BE IN ACCORDANCE WITH THE STANDARDS SET FORTH BY SECTION 5109 OF THE FAIRFAX COUNTY ZONING ORDINANCE AND THE APPROVED SITE PHOTOMETRIC PLAN AS APPLICABLE.
- 18. THERE ARE NO WATERS AND/OR WETLANDS REGULATED UNDER SECTION 404 OF THE CLEAN WATER ACT IDENTIFIED ON THE PROPERTY BASED ON A SITE VISIT BY THIS FIRM AND THE CONDITIONS OF THE SITE AS IT EXISTS TODAY.
- 19. THE OUTDOOR COMPONENTS ASSOCIATED WITH THE INDOOR KENNEL USE WILL BE DEVELOPED IN SUBSTANTIAL CONFORMANCE WITH THIS PLAT PREPARED BY TRI-TEK ENGINEERING, INC. MINOR MODIFICATIONS OR VARIATIONS MAY BE PERMITTED PURSUANT TO THE PROVISIONS OF SUBSECTION 8100.5 OF THE ZONING ORDINANCE.
- 20. THE TOTAL LAND DISTURBANCE WITHIN THE LIMITS OF THIS APPLICATION IS LESS THAN 2,500 SQUARE FEET, IN ADDITION, ALL STORMWATER DETENTION IS PROVIDED BY CENTREVILLE SQUARE PHASE II UNDERGROUND STORAGE FACILITIES. BMP REQUIREMENTS ARE MET IN TRINITY CENTER REGIONAL WET POND FACILITY, LOCATED DIRECTLY ACROSS ROUTE 29 FROM CENTREVILLE SQUARE PHASE II. STORMWATER DETENTION AND BMP REQUIREMENTS HAVE BEEN ADEQUATELY INCORPORATED INTO THE APPROVED CENTREVILLE SQUARE PHASE II SITE PLAN: #4817-MSP-06-2, #4817-MSP-003-2, AND #4817-MSP-003-2-1. THERE IS MINIMAL INCREASE IN IMPERVIOUS AREA THEREFORE THIS APPLICATION WILL HAVE MINIMAL IMPACT ON THE TOTAL RUNOFF FROM THE SITE. THEREFORE, THE OUTFALL FOR THIS SITE IS DEEMED TO BE
- 21. PET WASTE IN THE ELIMINATION AREA NOT DISCARDED IN CONTAINERS WILL DRAIN INTO THE EXISTING SANITARY SEWER SYSTEM SHOWN AND INSTALLED PER #4817-MSP-003-2-1.
- 22. THE EXISTING BUILDING IN THE SPECIAL EXCEPTION APPLICATION, BUILT IN 1991 IS TO REMAIN.

#### **OVERALL SITE DATA:**

BUILDING AREA:

54-4-((1))-117 5925 CENTREVILLE CREST LANE TAX MAP: SITE ADDRESS: CENTREVILLE VA 20121 18.2525 AC. OR 795,078 S.F. PROPERTY AREA: ZONING: SHOPPING CENTER

#### APPLICATION AREA SITE TABULATIONS:

PROPOSED USE: OUTDOOR COMPONENTS ASSOCIATED WITH AN INDOOR KENNEL

206,998 S.F.

AREA TABULATIONS:	40,000 S.F.	43,062 S.F.	
MIN LOT SIZE:	200 FT.	327 FT.	
MIN YARD REQUIREMENTS: FRONT SIDE REAR	45' ABP, 40 FT. N/A 20'	79.1' N/A 49.7'	
BUILDING HEIGHT:	90'	23'	

FLOOR AREA RATIO COMPUTATIONS

MAXIMUM FLOOR AREA RATIO: 0.80 \* 43,062 = 34,450 S.F.MAXIMUM ALLOWABLE GROSS FLOOR AREA: 8,620 S.F. TOTAL GROSS FLOOR AREA:

15% OR 6,000 S.F. 22.1% OR 10,332 S.F.

PROVIDED:

PROPOSED GROSS FLOOR AREA RATIO: (8,620)/(34,450) = 0.25

#### PARKING TABULATION:

OPEN SPACE:

APPLICATION AREA REQUIREMENTS (LIMITS OF SPECIAL EXCEPTION): SHOPPING CENTER = 4 SPACES / 1000 S.F.

TOTAL GROSS FLOOR AREA = 8,620 S.F.

TOTAL REQUIRED SPACES = 35 SPACES 1 SPACE TOTAL REQUIRED LOADING SPACES = **36 SPACES** TOTAL PROVIDED SPACES = TOTAL PROVIDED LOADING SPACES = 1 SPACE

OVERALL SITE REQUIREMENTS (SHOPPING CENTER):

SHOPPING CENTER = 4 SPACES / 1000 SF RESTAURANT = 11 SPACES/1000 SF (OVER 5,000 SF OF GFA)

1/4 SEATS, 1/2 BARSTOOLS, 1/2 EMPLOYEES (GRANDFATHERED: 4817-PKS-030, APPROVED 5/6/19) OFFICE = 3.6 SPACES / 1000 SF

TOTAL SHOPPING CENTER GROSS FLOOR AREA = 186,224 SF (EXISTING)

TOTAL RESTAURANT GROSS FLOOR AREA = 11,784 SF (EXISTING)

5930-5934 CENTREVILLE CREST LANE = 6,034 SF, 155 SEATS, 8 STOOLS, 15 EMPLOYEES (EXISTING) (GRANDFATHERED: 4817-PKS-030, APPROVED 5/6/19)

6021-6023 CENTREVILLE CREST LANE = 5,750 SF, 205 SEATS, 9 EMPLOYEES (EXISTING) (GRANDFATHERED: 4817-PKS-030, APPROVED 5/6/19)

TOTAL OFFICE GROSS FLOOR AREA = 8,990 SF (EXISTING)

TOTAL OFFICE GROSS FLOOR AREA = 0,990 SF	(EXISTING)
TOTAL REQUIRED SPACES = TOTAL REQUIRED HANDICAP SPACES = TOTAL REQUIRED VAN ACCESSIBLE SPACES = TOTAL REQUIRED LOADING SPACES =	884 SPACES 18 SPACES 5 SPACES 12 SPACES
TOTAL SPACES PROVIDED = TOTAL HANDICAP PROVIDED = TOTAL VAN ACCESSIBLE SPACES PROVIDED = TOTAL LOADING SPACES PROVIDED =	928 SPACES 26 SPACES 15 SPACES 13 SPACES

APPLICATION AREA INTERIOR PARKING LOT LANDSCAPING (WITHIN AREA OF SPECIAL EXCEPTION)

PARKING AREA: 0.05\*(15,875) = 794 S.F.LANDSCAPING REQUIRED: 5.00% LANDSCAPED AREA: 2,017 S.F. TOTAL COVERAGE PROVIDED (%): 100\*(2,017)/(15,875) = 12.7%

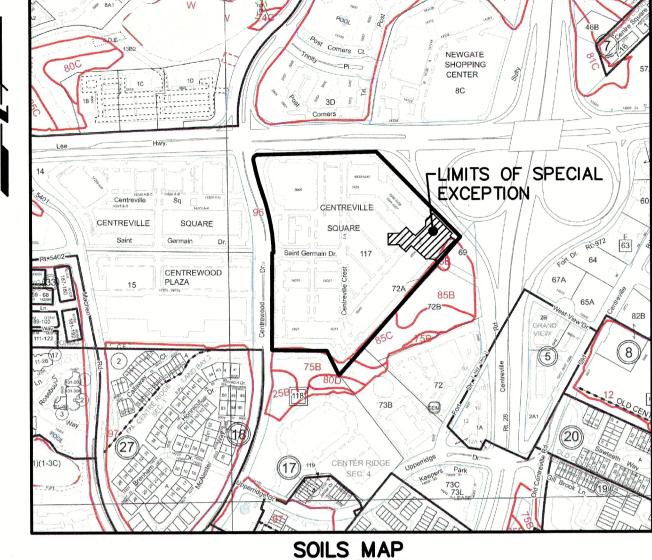
APPLICATION AREA PERIPHERAL PARKING LOT LANDSCAPING (WITHIN AREA OF SPECIAL EXCEPTION) NOTE: EXISTING 10' LANDSCAPE STRIP ADJACENT TO THE OFF RAMP OF LEE HWY (RT #29) IS PROVIDED ON PREVIOUSLY APPROVED SITE PLAN (4817-SP-06).

TRANSITIONAL SCREENING CALCULATIONS:

	SCREENING	BARRIER	SCREENING	BARRIER
	REQ'D	REQ'D	PROVIDED	PROVIDE
NORTH:	NONE	NONE	N/A	N/A
EAST:	NONE	NONE	N/A	N/A

#### MODIFICATION REQUESTS (PER SECTION 4102.5.A(5) OF ZO): SETBACK FROM OFF-STREET PARKING 50 FOOT REQUIREMENT FROM THE

ADJOINING PROPERTY TO THE SOUTH IN A RESIDENTIAL DISTRICT REDUCED TO 44.1 FEET IN FAVOR OF THE PRESERVATION OF EXISTING SITE CONDITIONS.



SCALE: 1"=500"

SOIL ID NUMBERS	SOIL SERIES NAME	HYDROLOGIC SOIL GROUP		SOIL DRAINAGE	EROSION POTENTIAL	PROBLEM CLASS
75B	MANASSAS SILT LOAM	В	MARGINAL-W,B	POOR-W	MEDIUM	11
85B	PENN SILT LOAM	С	GOOD	FAIR-R	MEDIUM	1
85C	PENN SILT LOAM	С	GOOD	FAIR-R	MEDIUM	1
95	URBAN LAND	N/A	N/A	N/A	N/A	IVB
		<u> </u>		I	<u> </u>	

10-YEAR TREE CANOPY CALCULATION WORKSHEET

A. TREE PRESERVATION TARGET AND STATEMENT

calculations

B. Tree Canopy Requirement

request is located.

C. Tree Preservation

 $C2 \times 1.25 =$ 

 $C4 \times 1.5 =$ 

C9  $C8 \times 1.0^* =$ 

D. Tree Planting

C6 x 1.5 to 3.0

C10 Total of C3, C5, C7 and C9 =

|Identify gross site area (SF) =

Subtract area of exemptions =

Adjusted gross site area (B1-B2) =

|Identify site's zoning and/or use =

Tree Preservation Target Area =

forest or woodland communities =

Areas and 100-year floodplains\* =

Place the Tree Preservation Target Calculations and

statement here preceding the 10-year tree canopy

Subtract area dedicated to parks & road frontage

Percentage of 10-year tree conpay required =

Area of 10-year tree canopy required (B4 x B6) =

Modification of 10-year Tree Canopy Requirements

|IF B8 is yes, then list plan sheet where modification

Total canopy area meeting standards of §12-0200

Total canopy area provided by unique or valuable

Total of canopy area provided by "Heritage,"

C8 Canopy area of trees within Resource Protection

"Memorial," "Specimen," or "Street," trees =

Area of canopy to be met through tree planting

Area of canopy planted for air quality benefits =

Area of canopy planted for energy conservation =

Area of canopy planted for water quality benefits =

Area of canopy planted for wildlife benefits =

D12 Area of canopy provided by improved cultivars and

D10 Area of canopy provided by native trees =

TOTALS

43062

C-7

10

4306

3867

-4364

REFERENCE

§See 12-0508.2 for list of

SEE ABOVE | required elements and

§12-0511.1B

Yes or No

8670 §12-0510.3B

0 |§12-0510.3B(1)

§12-0510.3B(2)

§12-0510.3C(1)

If area of C10 is less than

B7 remainder of requirement

must be met through tree

planting - go to D

0 |§12-0510.4B(1)

0 |§12-0510.4B(2)

0 |§12-0510.4B(4)

0 \§12-0510.4B(5)

0 \§12-0510.4B(6)

§12-0510.4D(1)

0 |§12-0510.4D(1)(a)

of D14

12-0512

8670 | Total of E1 through E3.

Area should meet or exceed

NO Yes or No

|§12-0510.4D(1)(a)

Must not exceed 33%

§12-0510.4B(3)

§12-0511.1C(1)

through §12-0511.1C(6)

§12-510.1 and Table 12.4

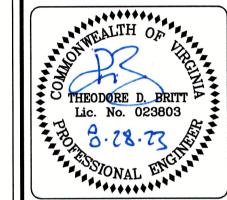
List Sheet Number

43062 | §12-0511.1A

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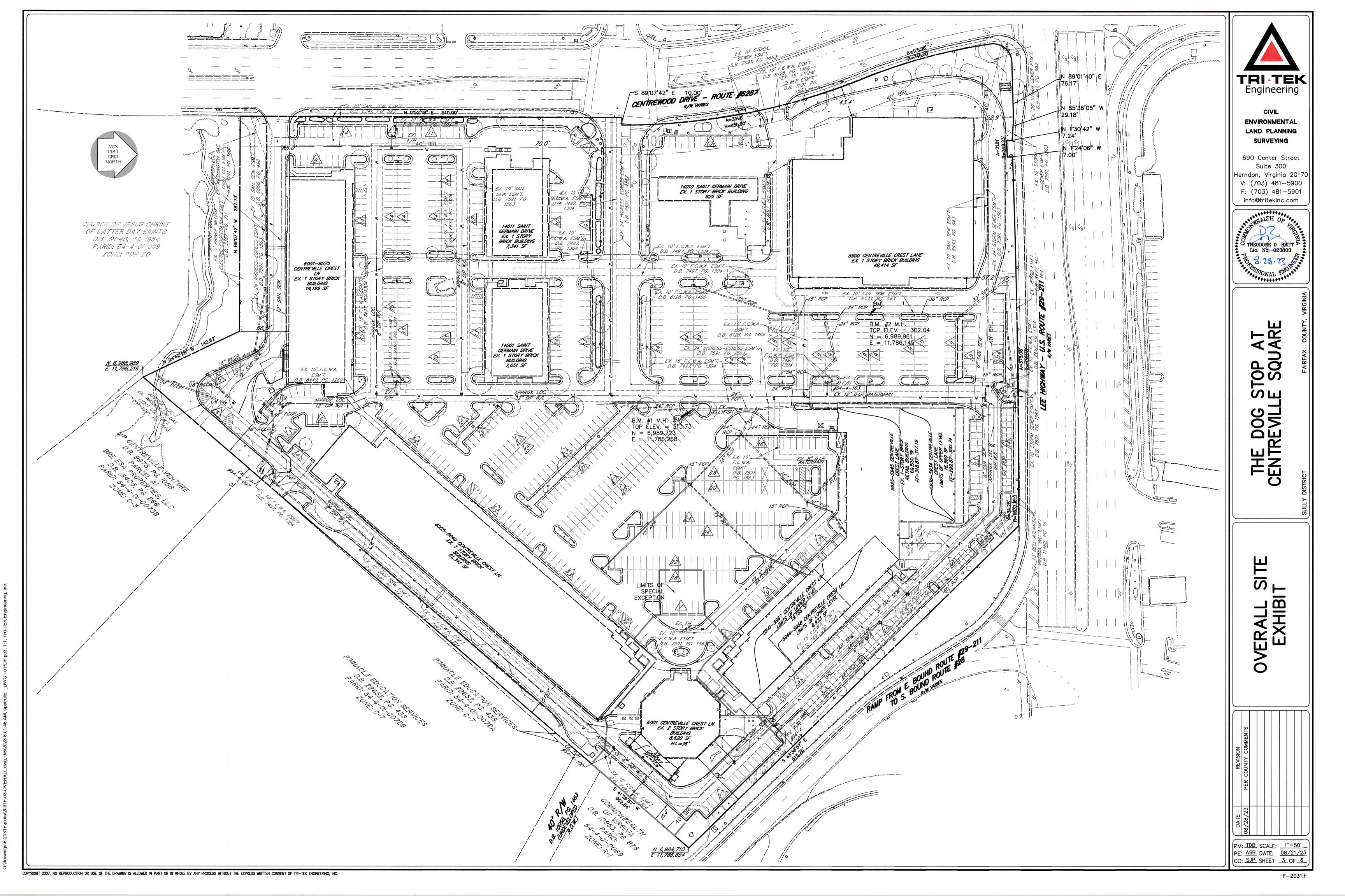
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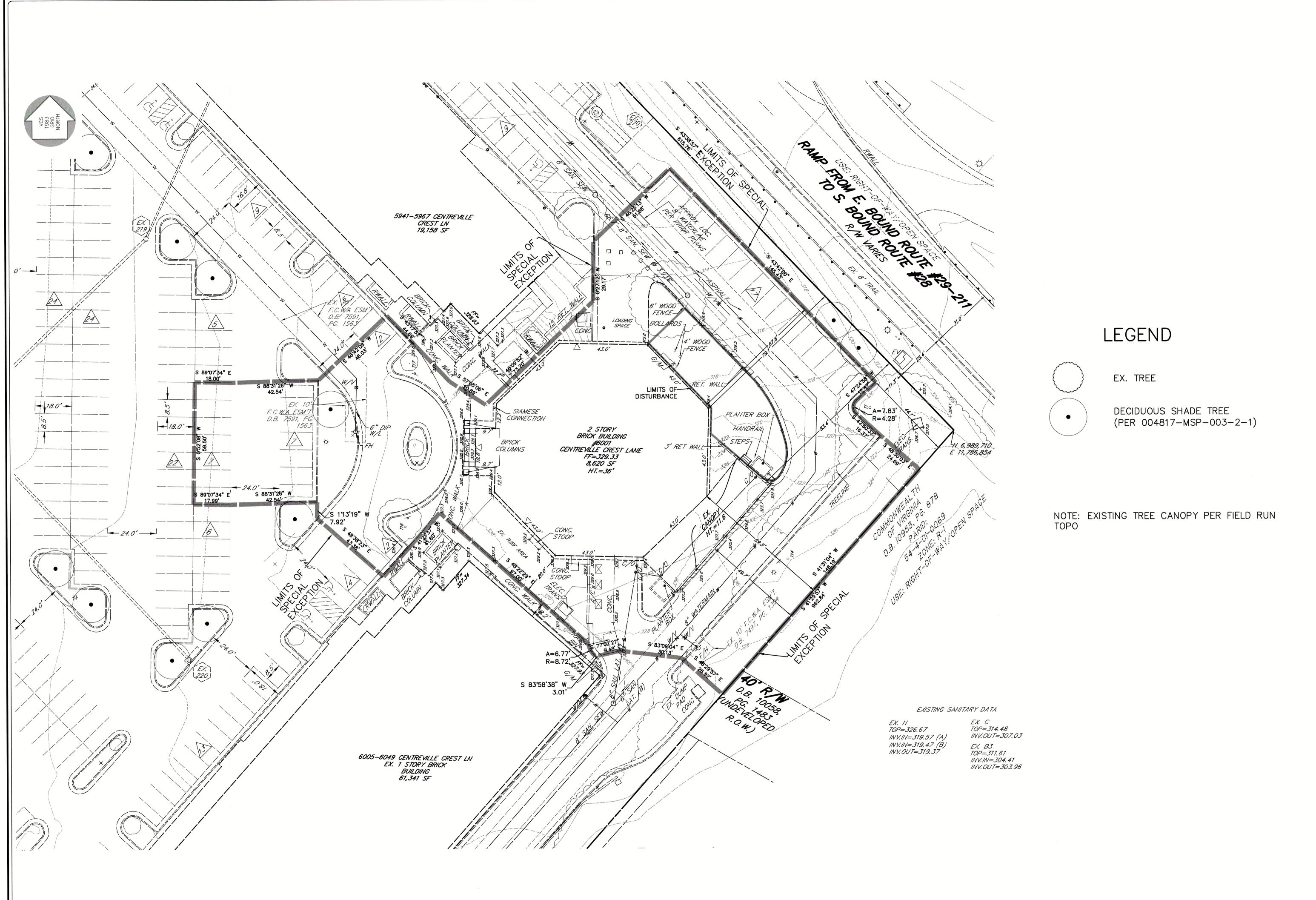
PM: <u>TDB</u> SCALE: <u>1"=500"</u> PE: ASB DATE: 08/21/23

CO: <u>SJP</u> SHEET <u>2</u> OF <u>6</u>

	Tree Preservation Target calculations and Statement	
6,936	Pre-development area of existing tree canopy (from Existing Vegetation Map) =	A
16%	Percentage of gross site area covered by existing tree canopy =	3
10%	Percentage of the 10-year tree canopy required for site (See Table 12.4) =	2
16%	Percentage of the 10-year canopy requirement that should be met through tree preservation =	)
201.3%	Proposed percentage canopy requirement that will be met through tree preservation =	Ē
Yes	Has the Tree preservation Target minimum been met?	
N/A	If No for line F, then a request to deviate from the Tree Preservation Target shall be provided on the plan that states one or more of the justifications listed in §12-0508.3 along with a narrative that provides a site-specific explanation of why the	<b>i</b>
N/A	If step G requires a narrative, it shall be prepared in accordance with §12-0508.4 & included in the plan set. Provide sheet number where narrative is located.	1

			varieites =	
= 6,936		D13	x 1.25 =	0
		D14	Area of canopy provided through tree seedlings =	
			x 1.0 =	0
=	16%	D15	Area of canopy provided through native shrubs or	
			woody seed mix =	
			x 1.0 =	0
=	10%	D16	Precentage of D14 represented by D15 =	
		D17	Total of canopy area provided through tree planting =	0
h	16%	D18	Is an offsite planting relief requested?	NO
=		D19	Tree Bank or Tree Fund?	NO
		D20	Canopy area requested to be provided through offsite	0
			Banking or Tree Fund	
e	201.3%	D21	Amount to be despotied into the Tree Preservation and	0
=			Planting Fund	
?	Yes	E. Tot	tal of 10-year Tree Canopy Provided	
		E1	Total of canopy area provided through tree preservation	8670
			(C10) =	
e	N/A	E2	Total of canopy area provided through tree planting	0
2-			(D17) =	
e		E3	Total of canopy area provided through offsite mechanis	0
			(D19) =	
		E4	Total of 10-year Tree Canopy Provided =	8670
.4	N/A		(E1+E2+E3)	
d.				
			*NOTE: AREA OF	SPECI





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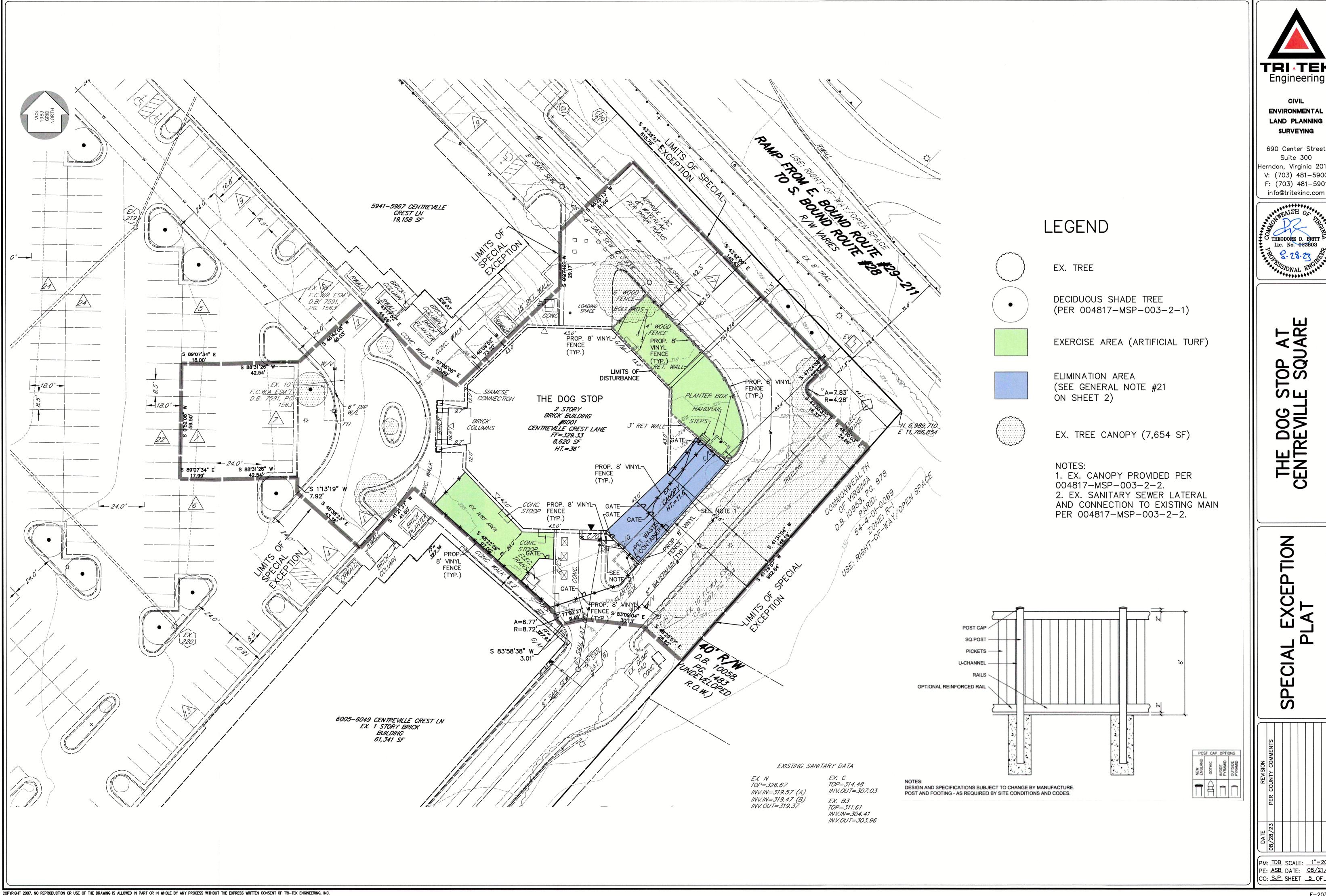
info@tritekinc.com THEODORE D. BRITT
Lic. No. 023803

STOP AT E SQUARE THE DOG CENTREVILLI

EXISTING CONDITIONS

PM: TDB SCALE: 1"=20'
PE: ASB DATE: 08/21/23
CO: SJP SHEET 4 OF 6

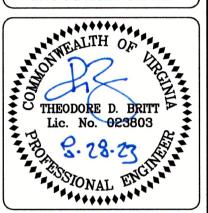
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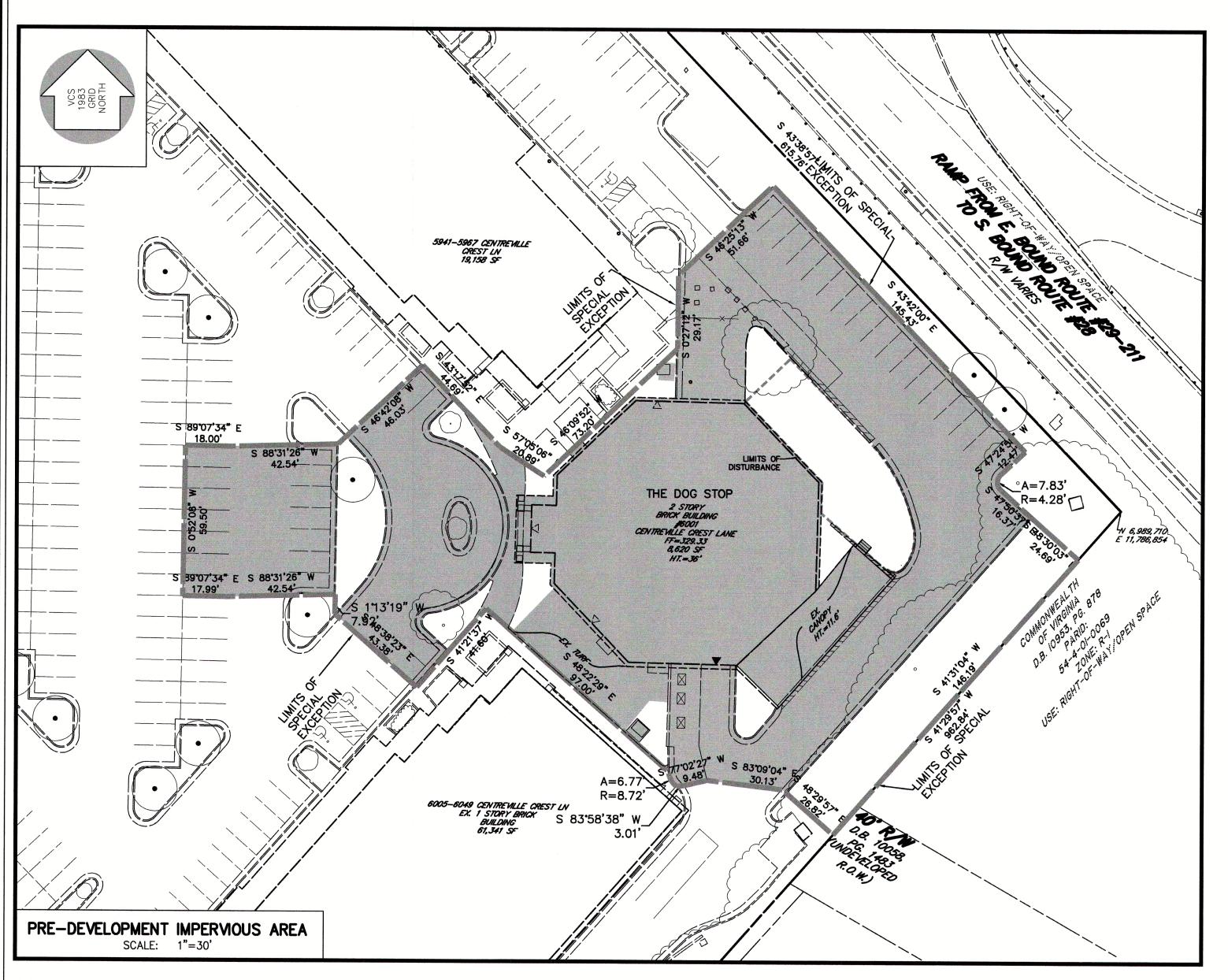
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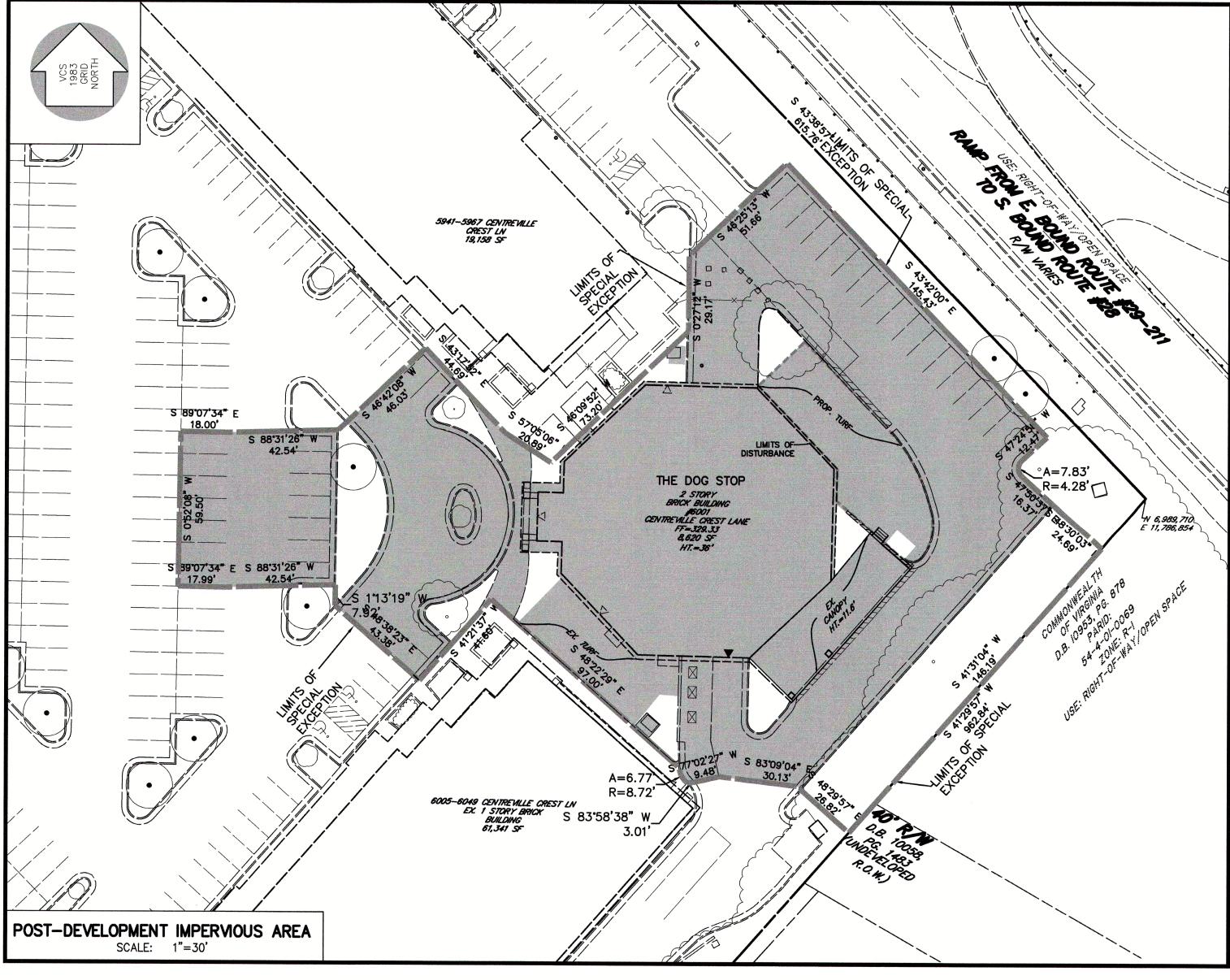
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PM: TDB SCALE: 1"=20" PE: <u>ASB</u> DATE: <u>08/21/23</u> CO: <u>SJP</u> SHEET <u>5</u> OF <u>6</u>





## STORMWATER ANALYSIS:

PREDEVELOPMENT RUNOFF: Q=CIA  $C = \frac{0.783 \text{ AC. } (0.90) + 0.206 \text{ AC. } (0.30)}{0.989} = 0.77$ Q<sub>2 YR</sub>: 0.77 x 5.23 IN/HR x 0.989 AC = 4.01 CFS
Q<sub>10 YR</sub>: 0.77 x 6.77 IN/HR x 0.989 AC = 5.19 CFS
V<sub>2 YR</sub>: 0.77 x 2"/12" x 0.989 AC = 0.1277 AC-FT

POSTDEVELOPMENT RUNOFF:  $C = \frac{0.836 \text{ AC. } (0.90) + 0.152 \text{ AC. } (0.30)}{0.989} = 0.81$ 

 $Q_{2 YR}$ : 0.81 x 5.23 IN/HR x 0.989 AC = 4.18 CFS  $Q_{10 YR}$ : 0.81 x 6.77 IN/HR x 0.989 AC = 5.41 CFS  $V_{2 YR}$ : 0.81 x 2"/12" x 0.989 AC = 0.1331 AC-FT

INCREASE DUE TO DEVELOPMENT:

 $Q_{2 YR}$ : 4.18 CFS - 4.01 CFS = 0.17 CFS  $Q_{10 YR}$ : 5.41 CFS - 5.19 CFS = 0.22 CFS  $V_{2 YR}$ : 0.1331 AC-FT - 0.1277 AC-FT = 0.0051 AC-FT

### NOTE:

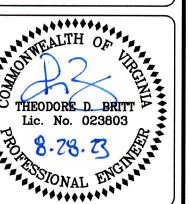
THIS PROJECT PROPOSES 2,196 S.F. OF LAND DISTURBANCE TO INSTALL ARTIFICIAL TURF ON EXISTING GRADE. IN ADDITION, ALL STORMWATER DETENTION IS PROVIDED BY CENTREVILLE SQUARE PHASE II UNDERGROUND STORAGE FACILITIES. BMP REQUIREMENTS ARE MET IN TRINITY CENTER REGIONAL WET POND FACILITY, LOCATED DIRECTLY ACROSS ROUTE 29 FROM CENTREVILLE SQUARE PHASE II. STORMWATER DETENTION AND BMP REQUIREMENTS HAVE BEEN ADEQUATELY INCORPORATED INTO THE APPROVED CENTREVILLE SQUARE PHASE II SITE PLAN: #4817-MSP-06-2, #4817-MSP-003-2, AND #4817-MSP-003-2-1. THERE IS MINIMAL INCREASE IN IMPERVIOUS AREA THEREFORE THIS APPLICATION WILL HAVE MINIMAL IMPACT ON THE TOTAL RUNOFF FROM THE SITE. THEREFORE, THE OUTFALL FOR THIS SITE IS DEEMED TO BE ADEQUATE.

IMPERVIOUS AREA TABULATION				
	PRE-DEV	POST-DEV		
BUILDINGS/OVERHANGS	11,130 SF	11,130 SF		
ASPHALT PAVEMENT/C&G	20,812 SF	20,812 SF		
CONC. WALKS/PADS	641 SF	641 SF		
MISC.	1,520 SF	3,850 SF		
TOTAL	34,103 SF	36,433 SF		

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8.28.23

HE DOG STOP AT NTREVILLE SQUARE

S E S

STORMWATER
MANAGEMENT
COMPUTATIONS &

DATE REVISION
08/28/23 PER COUNTY COMMENTS

PM: TDB SCALE: AS SHOWN
PE: ASB DATE: 08/21/23
CO: SJP SHEET 6 OF 6