## GENERALIZED DEVELOPMENT PLAN PLAN #: R17-0008

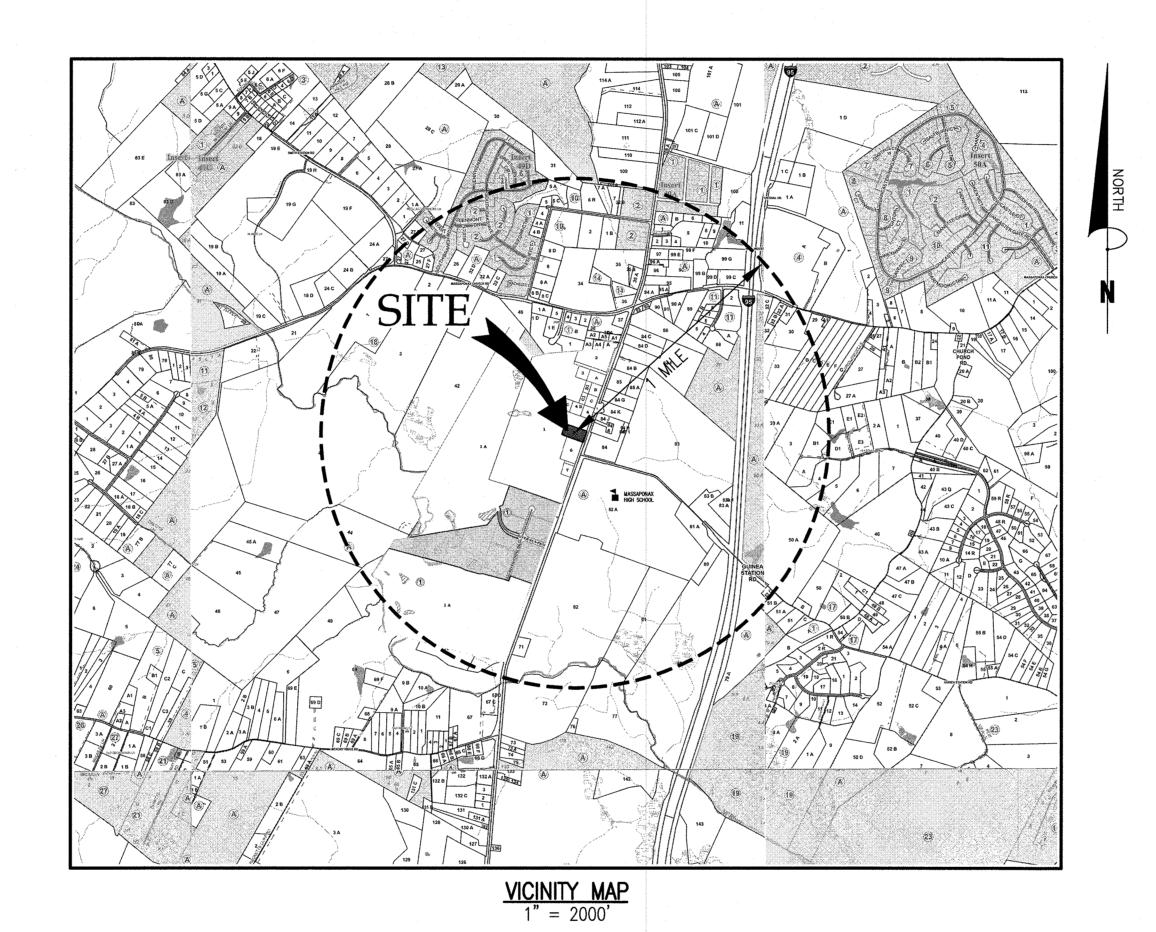
# TERRY INDUSTRIAL PARK

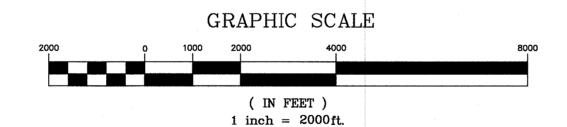
PARCEL 49B-1-5 / 8332 JEFFERSON DAVIS HIGHWAY

BERKELEY VOTING DISTRICT SPOTSYLVANIA COUNTY, VIRGINIA

#### CITE DATA TADI E

1	TAX MAP REFERENCE:		498	3-1-5			
2	PROJECT AREA:	1.9998	ACRES /	87,111.00	SQ. FT.		
	- US ROUTE 1 PROPOSED RIGHT-OF-WAY (R.O.W.) DEDICATION:	0.0973	ACRES /	4,239.03	SQ. FT.		
	NET PROJECT AREA:	1.9025	ACRES /	82,871.97	SQ. FT.		
	PROPOSED AREA OF DISTURBANCE (INCLUDES OFF-SITE):	2.1442	ACRES /	93,400	SQ. FT.		
3	CURRENT ZONING: PROPOSED ZONING:			L DISTRICT			
4	BY-RIGHT (RU DISTRICT) DEVELOPMENT TABULATIONS:			· · · · · · · · · · · · · · · · · · ·			
	MAXIMUM PERMITTED RESIDENTIAL DENSITY:	1 D.U. PER 3	ACRES =	1	UNIT		
	MAXIMUM PERMITTED NON-RESIDENTIAL:	0.10	F.A.R. =	8,711	GFA		
	PROPOSED DEVELOPMENT / DENSITY:						
	MAXIMUM ALLOWABLE FLOOR AREA RATIO (F.A.R.):	1.5					
	MAXIMUM ALLOWED BUILDING GROSS FLOOR AREA (G.F.A.):	124,308	SQ. FT.				
	PROPOSED BUILDING G.F.A.:	4,000	SQ. FT.				
	PROPOSED F.A.R.:	0.05					
 5	OVERLAY DISTRICTS:			R OVERLAY DI	STRICT		
		TECHNOLOGY ZONE PRIMARY DEVELPOMENT ZONE					
6	EXISTING USE:		VAC	CANT			
	TYPES OF PROPOSED USE:	HEAVY EQUIPN RENTAL AN		PECIALIZED VE			
 7	PROPOSED MAXIMUM HEIGHT:	25	FEET	1-STC	DRY		
	MINIMUM YARDS:						
	FRONT	40	FEET				
	SIDE	NO REQUIRE					
	REAR	NO REQUIRE	EMENT				
	MINIMUM LOT AREA: MINIMUM LOT WIDTH:	20,000 100	SQ. FT. FEET				
	NOTE: THERE ARE NO EXISTING BUILDINGS ON THE SUBJECT SITE.						
8	TRIP GENERATION COMPUTATIONS: ITE LAND USE CODE:	841					
	ITE RATE: (WEEKDAY TOTAL): ESTIMATED VEHICLE TRIPS (WEEKDAY):	33.34 133.36		RIPS PER 1,00 TRIPS PER DA			
	ITE RATE (AM PEAK): ESTIMATED VEHICLE TRIPS (AM PEAK):	2.2 8.8		RIPS PER 1,00 TRIPS (AM PEA			
	ITE RATE (PM PEAK):	2.72		RIPS PER 1,00	•		
	ESTIMATED VEHICLE TRIPS (PM PEAK):	10.88		TRIPS (PM PEA			
	NOTE: AS THE ITE MANUAL DID NOT CONTAIN A VEHICLE RENTAL LAND USE CODE THE NEW CAR SALE CODE WAS USED						
9	HISTORIC BUILDINGS, ARCHAEOLOGICAL FEATURES OR HISTORIC	DISTRICTS:		NONE PRESE	NT		
.0	PLACES OF BURIAL:			NONE PRESEN	NT		
.1	FLOODPLAINS, RPAs, WETLANDS, STEEP SLOPES, DAM BREAK INUND	ATION ZONES:		NONE PRESEN	NT		
.2	PARKING: REQUIREMENT: 1 SPACE PER 500 SF BLDG AREA + 1 SP PER 2,500 1 SP PER EMPLOYEE (MINIMUM OF 5 SPACES)	SF DISPLAY AREA	A + 2 SP PE	R SERVICE BA	Y +		
	OFFICE BUILDING / 500 =		SPACES				
	DISPLAY / STORAGE AREA / 2,500 SF =	14	SPACES	<b>;</b>			
	NUMBER OF EMPLOYEES =	5	SPACES				
	TOTAL REQUIRED PARKING:	27	SPACES				
	TOTAL PROVIDED PARKING:	28	SPACES				
	NOTE: FINAL PROVIDED PARKING MAY BE REDUCED AT FINAL SITE PLAN S	UBJECT TO MINIMU	JM REQUIR	EMENT.			





#### **APPLICANT**

ELDRICK'S LLC 4907 JEFFERSON DAVIS HIGHWAY FREDERICKSBURG, VA 22408 P: (540) 479-1114 CONTACT: MR. KENDRICK TERRY

### PLANNER/ENGINEER

BOWMAN CONSULTING GROUP 650A NELMS CIRCLE FREDERICKSBURG, VA 22406 P: (540) 371-0268 F: (540) 371-3479 CONTACT: MR. BILL PYLE, P.E.

#### **OWNER** JOHN X. LUCENTE

3408 TIMBERLAKE FARM ROAD #A DAVIDSONVILLE, MD 21035

#### LAND USE ATTORNEY

HIRSCHLER FLEISCHER 725 JACKSON ST., SUITE 200 FREDERICKSBURG, VA 22401 P: (540) 604-2108 F: (540) 604-2101 CONTACT: MR. CHARLES W. PAYNE, JR.

#### VICINITY MAP LEGEND

#### SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LEGEND & NOTES
3	EXISTING CONDITIONS PLAN
4	GENERALIZED DEVELOPMENT PLAN
5	GENERALIZED LANDSCAPE PLAN / DETAILS
6	SWM CONCEPT PLAN
7	ENTRANCE SIGHT DISTANCE PROFILE
8	BOUNDARY PLAT
TOTAL PA	GES: 8

**APPROVAL** 

AGENT, BOARD OF SUPERVISORS

DATE

IND

R17-0008 COUNTY PROJECT NUMBER

PLAN STATUS 5/18/17 1st SUBMISSION 07/19/17 2nd SUBMISSION 09/6/17 3rd SUBMISSION 09/27/17 4th SUBMISSION

DATE | DESCRIPTION SG DESIGN DRAWN CHKD JOB No. 100084-01-001

DATE: MAY 2017 FILE No. 100084-D-ZP-001

10 PERCENT

16,500 SQ. FT. / 20%

4,000 SQ. FT. 14,500 SQ. FT.

34,000 SQ. FT.

53,450 SQ. FT.

950 SQ. FT.

8,287.20 SQ. FT.

ONE (1) LOADING SPACE TO BE PROVIDED WITHIN OUTDOOR STORAGE AREA.

LOT COVERAGE & IMPERVIOUS AREA:

PROPOSED OPEN SPACE:

ROADS/PARKING:

DISPLAY / STORAGE AREA:

TOTAL IMPERVIOUS AREA:

MINIMUM REQUIRED OPEN SPACE (%):

MINIMUM REQUIRED OPEN SPACE (SQ. FT.):

PROPOSED IMPERVIOUS AREAS (APPROXIMATE)

NOTE: OPEN SPACE MAY VARY SUBJECT TO MINIMUM REQUIREMENT.

#### **LEGEND** DESCRIPTION EXISTING PROPOSED anamanaman energenomanaman Affi energenomanaman INDEX CONTOUR INTERMEDIATE CONTOUR 38-----EX. E/P PROP. E/P EDGE OF PAVEMENT CG-6 CURB AND GUTTER CG-6R TRANSITION FROM CG-6 TO CG-6R PROPOSED HEADER CURB PROPERTY LINE DEPARTING PROPERTY LINE LOT LINE Commonwealthanian Commonwealth \_\_\_\_\_ RIGHT-OF-WAY CENTERLINE FLOOD PLAIN <del>-----</del> . . . <del>------</del> CLEARING AND GRADING TREE LINE FLOW LINE OF SWALE \_\_\_\_ STREAM OVERLAND RELIEF PATHWAY FENCE LINE \_\_\_\_\_X\_\_\_\_ EASEMENT EX 8, W/L 8"wDIP W/L WATER LINE PROP. W/V WATER VALVE PROP. R. REDUCER 8" PVC SAN SANITARY SEWER EX 18° STORM SEWER CABLE TV ----CATV-----ELECTRIC SERVICE TELEPHONE SERVICE GAS LINE SPOT ELEVATION + 25.32 UTILITY POLE 000 SIGN <del>""</del> SANITARY SEWER IDENTIFIER STORM DRAIN IDENTIFIER $\langle \mathbf{W} \rangle$ $\langle \mathbb{W} \rangle$ EASEMENT IDENTIFIER WATER METER FIRE HYDRANT PARKING INDICATOR INDICATES THE NUMBER OF TYPICAL PARKING SPACES STREET LIGHT O ~~~ VEHICLES PER DAY 255 VPD (TRAFFIC COUNT) TEST PIT LOCATION RECOMMENDED/REQUIRED SLOPES TO BE STABILIZED PURSUANT TO VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK HANDICAP RAMP (CG-12) DENOTES LOCATION OF STD VDOT CG-12 AND/OR JURISDICTIONAL DENOTES CLEAR SIGHT TRIANGLE TREE BENCHMARK ASPHALT TRAIL CONCRETE SIDEWALK END WALLS END SECTIONS STOP SIGN STREET SIGN OVERHEAD ELECTRIC OVERHEAD TELEPHONE

#### **GENERAL NOTES**

- 1. THE PURPOSE OF THIS GENERAL DEVELOPMENT PLAN AND ACCOMPANYING APPLICATION IS TO REZONE THE SUBJECT PROPERTY TO THE INDUSTRIAL 2 (I-2) ZONING DISTRICT.
- 2. THIS PROJECT CONSISTS OF ONE (1) SURVEYED PROPERTY DELINEATED ON THIS GENERAL DEVELOPMENT PLAN AND IS LOCATED ON SPOTSYLVANIA COUNTY TAX ASSESSMENT MAP AS LISTED BELOW:

TAX MAP 49B-1-5

OVERLAY DISTRICT.

CHANGE WITH FINAL ENGINEERING.

ZONED: RU

SIZE: ±1.99980 ACRES

- 3. THE PROPERTIES CURRENTLY STAND IN THE NAME OF JOHN X. LUCENTE, AS RECORDED AT DEED BOOK 1587 AT PAGE 423 AMONG THE LAND RECORDS OF SPOTSYLVANIA COUNTY, VIRGINIA.
- 4. BOUNDARY INFORMATION AS SHOWN HEREON IS COMPILED FROM EXISTING LAND RECORDS OF SPOTSYLVANIA COUNTY AND A FIELD SURVEY PERFORMED BY BOWMAN CONSULTING GROUP, LTD. DURING JANUARY AND FEBRUARY, 2017. THE FIELDWORK WAS COMPLETED ON APRIL 20, 2017.
- 5. THE SUBJECT PROPERTY IS NOT LOCATED IN A 100-YEAR FLOODPLAIN AND LIES IN ZONE "X", "AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN." AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP FOR SPOTSYLVANIA COUNTY, VIRGINIA, COMMUNITY-PANEL NUMBER 510308 0200 C, MAP REVISED FEBRUARY 18,
- 6. MERIDIAN IS BASED ON THE VIRGINIA COORDINATE SYSTEM, NAD83, NORTH ZONE.
- 7. AS OF THE DATE OF THIS SURVEY, THERE WERE NO EXISTING BUILDINGS LOCATED ON THE SUBJECT PROPERTY AND THERE WAS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
- 8. THERE WAS NO OBSERVED EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL AT TIME OF SURVEY.
- 9. THERE ARE NO KNOWN CEMETERIES OR HISTORIC BUILDINGS ON THIS SITE.
- 10. NO OBSERVABLE EVIDENCE OF WETLANDS OR WATERCOURSES EXISTING ON THE SUBJECT PROPERTY AT THE TIME OF SURVEY. SPOTSYLVANIA COUNTY GIS DATA DOES NOT INDICATE THE PRESENCE OF ANY RESOURCE PROTECTION AREAS ON THE SUBJECT PROPERTIES.
- 11. TOPOGRAPHY SHOWN ON THIS PLAN WAS OBTAINED FROM THE SPOTSYLVANIA COUNTY GIS DEPARTMENT. THE CONTOUR INTERVAL IS 2'.
- 12. THIS SITE LIES WITHIN THE PRIMARY DEVELOPMENT ZONE, THE TECHNOLOGY ZONE, AND THE HIGHWAY CORRIDOR
- 13. THE PROPOSED FACILITY WILL BE SERVED BY PUBLIC WATER AND SEWER MAINTAINED BY SPOTSYLVANIA COUNTY.
- 14. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITY(S), OPEN SPACE AND PARKING LOTS.
- 15. DIMENSIONS, AREAS, BUILDING SQUARE FOOTAGES, AND LAYOUT ARE APPROXIMATE IN NATURE AND SUBJECT TO
- 16. THE SUBJECT PROPERTY IS LOCATED 0.48 MILES TO THE SOUTH/SOUTHWEST OF THE INTERSECTION OF U.S. ROUTE 1 (JEFFERSON DAVIS HIGHWAY) AND MASSAPONAX CHURCH ROAD, WHICH IS THE CLOSEST MAJOR INTERSECTION. THE INTERSECTION OF GUINEA STATION ROAD AND U.S. ROUTE 1 IS LOCATED 0.09 MILES TO THE SOUTH.
- 17. THE PROPOSED ENTRANCE TO THE SUBJECT SITE WILL BE LOCATED APPROXIMATELY 201 FEET FROM THE EXISTING ENTRANCE TO PARCEL 49B-1-6. IF REQUIRED A WAIVER REQUEST TO INTERSECTION SPACING STANDARDS, AS FOUND IN APPENDIX F (ACCESS MANAGEMENT DESIGN STANDARDS FOR ENTRANCES AND INTERSECTION) OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD DESIGN MANUAL SHALL BE APPLIED FOR AT THE TIME OF FINAL SITE PLAN SUBMISSION.
- 18. STREET LIGHTING WILL BE PROVIDED IN CONFORMANCE WITH ARTICLE 5-7-2-C-1 OF THE DSM.
- 19. EROSION CONTROL FOR THIS SITE WILL BE PROVIDED THROUGH ONSITE MEASURES IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENTATION CONTROL HANDBOOK.
- 20. STORMWATER MANAGEMENT SHALL BE PROVIDED AS REQUIRED BY ARTICLE 4 OF THE DSM.
- 21. THERE ARE NO FIRE STATIONS WITHIN ONE MILE OF THIS SITE. FIRE AND RESCUE STATION #8 IS LOCATED 3.59 MILES TO THE SOUTH.
- 22. ALL ENTRANCES ONTO PUBLIC RIGHTS—OF—WAY SHALL PROVIDE ADEQUATE SIGHT DISTANCE PER THE REQUIREMENTS OF APPENDIX F OF THE VDOT ROAD DESIGN MANUAL. THE ADEQUACY OF PROVIDED SIGHT DISTANCE SHALL BE DEMONSTRATED AT THE TIME OF SITE PLAN SUBMISSION AND SHALL INCLUDE RELEVANT PLAN VIEWS AND PROFILES. A PRELIMINARY SIGHT DISTANCE PROFILE IS PROVIDED ON SHEET 7.
- 23. NO FUEL STORAGE IS PROPOSED WITH THIS PLAN.
- 24. DEVELOPER SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL ONSITE ROADWAYS, UTILITIES AND SWM FACILITIES.
- 23. THE PROPOSED USE SHALL EMPLOY AN OUTSIDE CONTAINER FOR SOLID WASTE/RECYCLING THAT SHALL BE COLLECTED BY A PRIVATE REFUSE HAULER AND DEPOSITED AT A COUNTY APPROVED DISPOSAL SITE.

Phone: (540) 371-0268 Fax: (540) 371-3479

PARK T PLAN

RRY INDUSTRIAL PAINERAL DEVELOPMENT PL

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R17-0008

WILLIAM S. PYLE
Lic. No.037555

OP | 27/17

PLAN STATUS

05/18/17 1st SUBMISSION

07/19/17 2nd SUBMISSION

09/6/17 3rd SUBMISSION

09/27/17 4th SUBMISSION

DATE DESCRIPTION

SG SG WSP
DESIGN DRAWN CHKD
SCALE H: AS NOTED
V:

JOB No. 100084-01-001

DATE: MAY 2017

FILE No. 100084-D-ZP-001

2 <sub>OF</sub> 8

APPROVAL

AGENT, BOARD OF SUPERVISORS

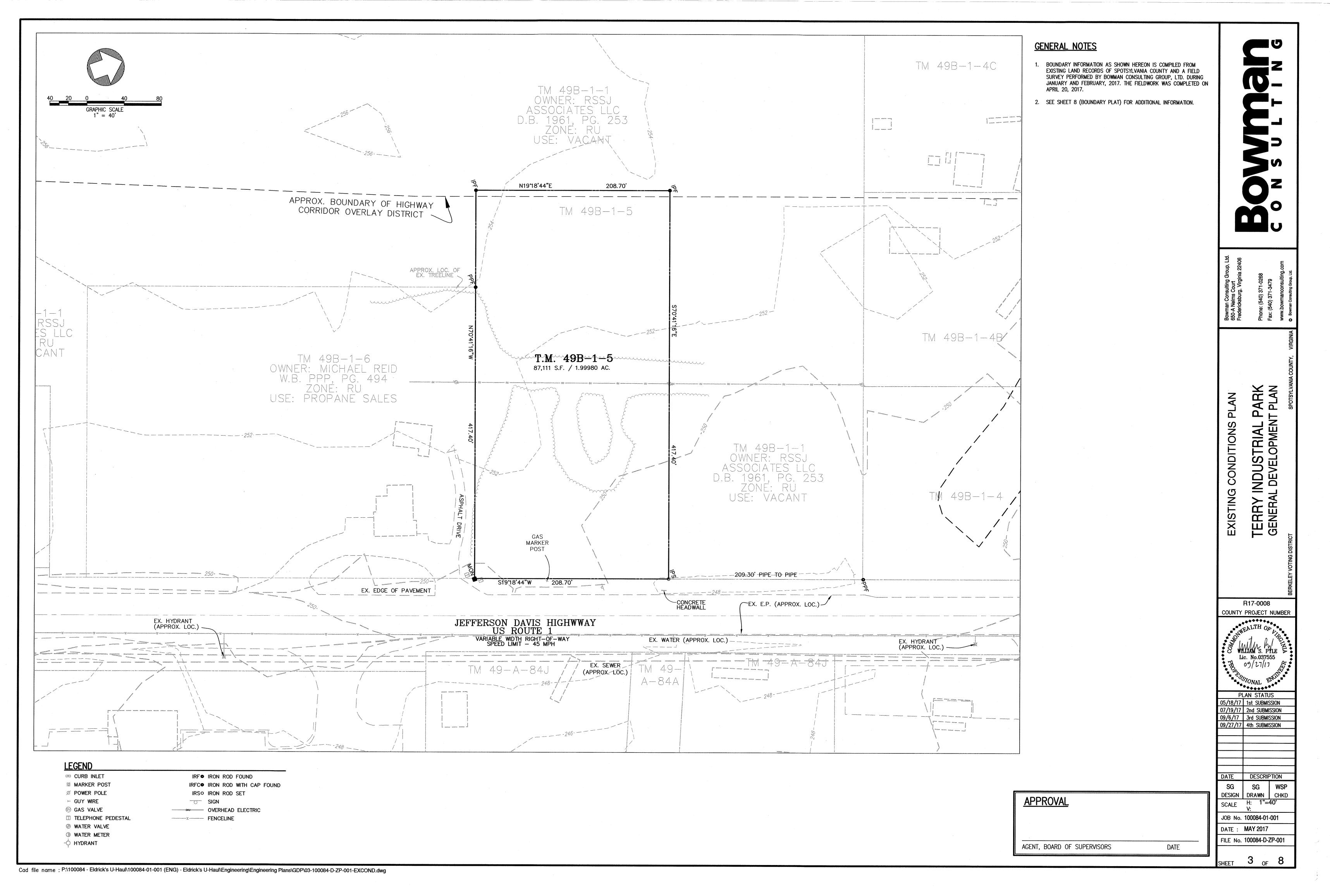
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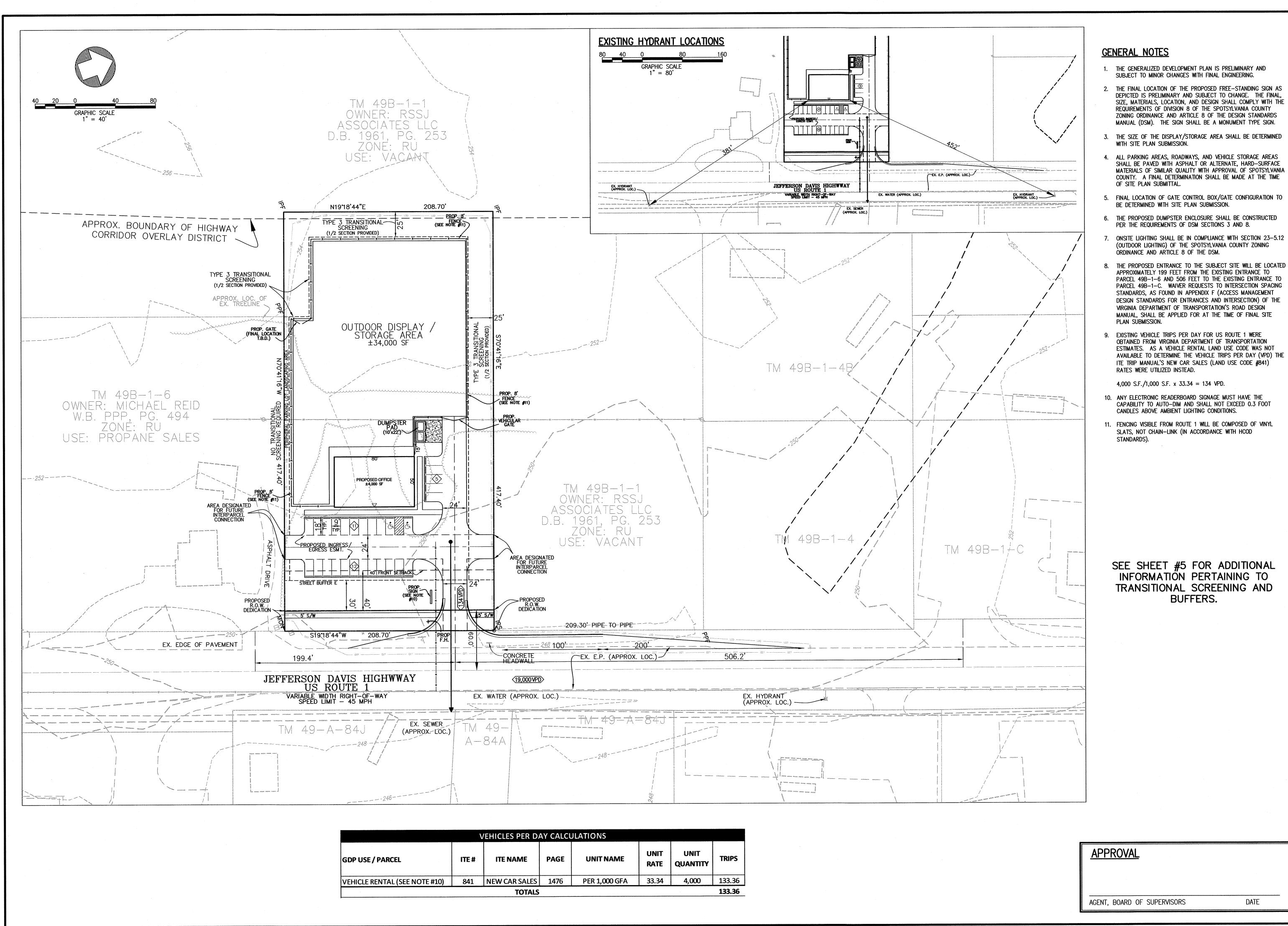
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HANDICAP PARKING SPACE (VAN)

RIP RAP

CROSSWALK





**3** 

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VELOPMENT TERRY INDUST GENERAL DEVELO GENERALIZED DE

R17-0008 COUNTY PROJECT NUMBER

05/18/17 1st SUBMISSION

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SCALE JOB No. 100084-01-001 DATE: MAY 2017

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4 of 8



Phone: (540) 371-0268

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PARK r PLAN

TERRY INDUSTRIAL PAR GENERAL DEVELOPMENT PLA

**LANDS** 

R17-0008

WILLIAM S. PYLE
Lic. No.037555

PLAN STATUS

05/18/17 1st SUBMISSION

07/19/17 2nd SUBMISSION

09/6/17 3rd SUBMISSION

09/27/17 4th SUBMISSION

DATE DESCRIPTION

 SG
 SG
 WSP

 DESIGN
 DRAWN
 CHKD

 SCALE
 H: 1"=40"

 V:
 JOB No. 100084-01-001

 DATE:
 MAY 2017

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FILE No. 100084-D-ZP-001

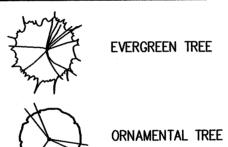
GENERAL LANDSCAPING NOTES

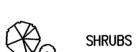
- 1. THE GENERALIZED LANDSCAPING PLAN IS PRELIMINARY AND SUBJECT TO MINOR CHANGES WITH FINAL ENGINEERING.
- 2. FINAL LOCATION OF GATE CONTROL BOX/GATE CONFIGURATION TO BE DETERMINED WITH SITE PLAN SUBMISSION.
- 3. THE APPLICANT REQUESTS A WAIVER OF INTERIOR PARKING LOT LANDSCAPING, AS PERMITTED BY SECTION 6-6.1.F., AS IT PERTAINS TO THE OUTDOOR DISPLAY/STORAGE AREA.
- 4. THIS ADJACENT LAND USE TO THE SOUTH IS A RETAIL ESTABLISHMENT WITH OUTDOOR DISPLAY (USE 9). THE PROPOSED USE IS A SPECIAL VEHICLE RENTAL ESTABLISHMENT (USE 15). PER THE TRANSITIONAL SCREENING MATRIX NO SCREENING IS REQUIRED.
- 5. PERIPHERAL PARKING LOT LANDSCAPING SHALL BE PROVIDED PER SECTION 6-6 OF THE DSM IN THE LOCATIONS AS NOTED ON THIS PLAN. A WAIVER TO THE PERIPHERAL PARKING LOT LANDSCAPING REQUIREMENTS IS REQUESTED ALONG ANY PORTION OF THE PROPOSED PARKING LOT/STORAGE AREA THAT SHALL BE SCREENED BY A TYPE 3 TRANSITIONAL SCREEN OR A TYPE E STREET BUFFER.

#### THIS REQUEST IS JUSTIFIED AS FOLLOWS:

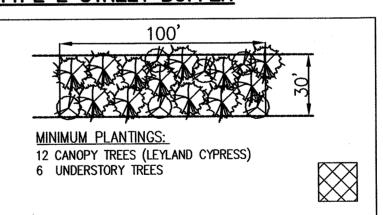
- BASED ON THE SIMILAR INDUSTRIAL AND COMMERCIAL USES THAT ARE RECOMMENDED BY THE SPOTSYLVANIA COUNTY COMPREHENSIVE PLAN FOR THE SURROUNDING PROPERTIES AND THAT WILL LIKELY BE BUILT IN THE NEAR FUTURE THE IMPACT FROM THE SUBJECT PROPERTY TO ADJOINING PROPERTIES WILL BE MINIMAL. ALL ADJOINING PROPERTIES, AS WELL AS PROPERTIES ON THE OPPOSITE SIDE OF U.S. ROUTE 1, ARE DESIGNATED AS "EMPLOYMENT CENTERS" BY THE COMPREHENSIVE PLAN.
- THE TYPE 3 TRANSITIONAL SCREENING WILL PROVIDE A TOTAL OF 50 FEET OF LANDSCAPING (WITH 25 FEET PROPOSED ON THE APPLICANT'S PROPERTY) UPON DEVELOPMENT OF ADJOINING PROPERTIES. THE STREET BUFFER, INCLUDING ADDITIONAL HCOD REQUIRED STREET TREES, WILL BE 30 FEET IN WIDTH. GIVEN THE POTENTIAL ADJOINING USES, AND THE SIGNIFICANT PLANTING REQUIREMENTS OF THE TYPE 3 TRANSITIONAL SCREENING AND TYPE E STREET BUFFER, THE ADDITIONAL PERIPHERAL PARKING LOT LANDSCAPING IS UNNECESSARY TO PROVIDE ADEQUATE SCREENING OF THE PROPOSED USE.

#### LANDSCAPING LEGEND



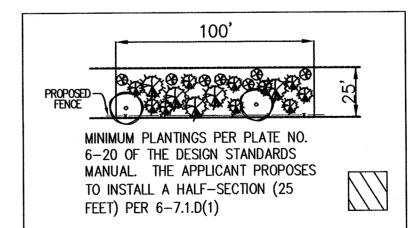


#### TYPE E STREET BUFFER



#### TYPE 3 TRANSITIONAL SCREENING

The states and the states which the states are also



APPROVAL.	
AGENT, BOARD OF SUPERVISORS	DATE



APPROX. BOUNDARY OF HIGHWAY CORRIDOR OVERLAY DISTRICT <

APPROX. LOC. OF EX. TREELINE

AREA DESIGNATED
FOR FUTURE
INTERPARCEL
CONNECTION

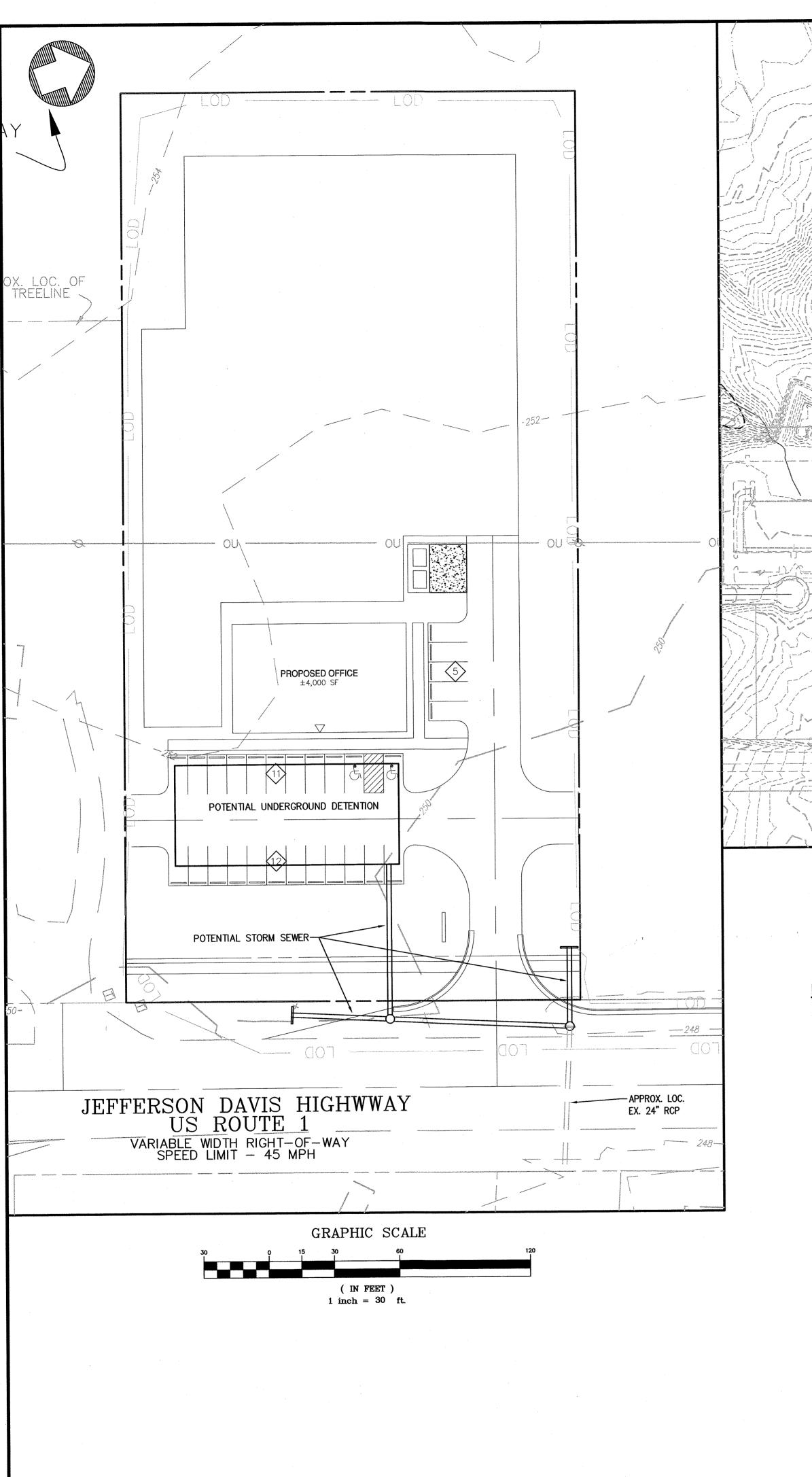
TYPE 3 TRANSITIONAL SCREENING (1/2 SECTION PROVIDED)

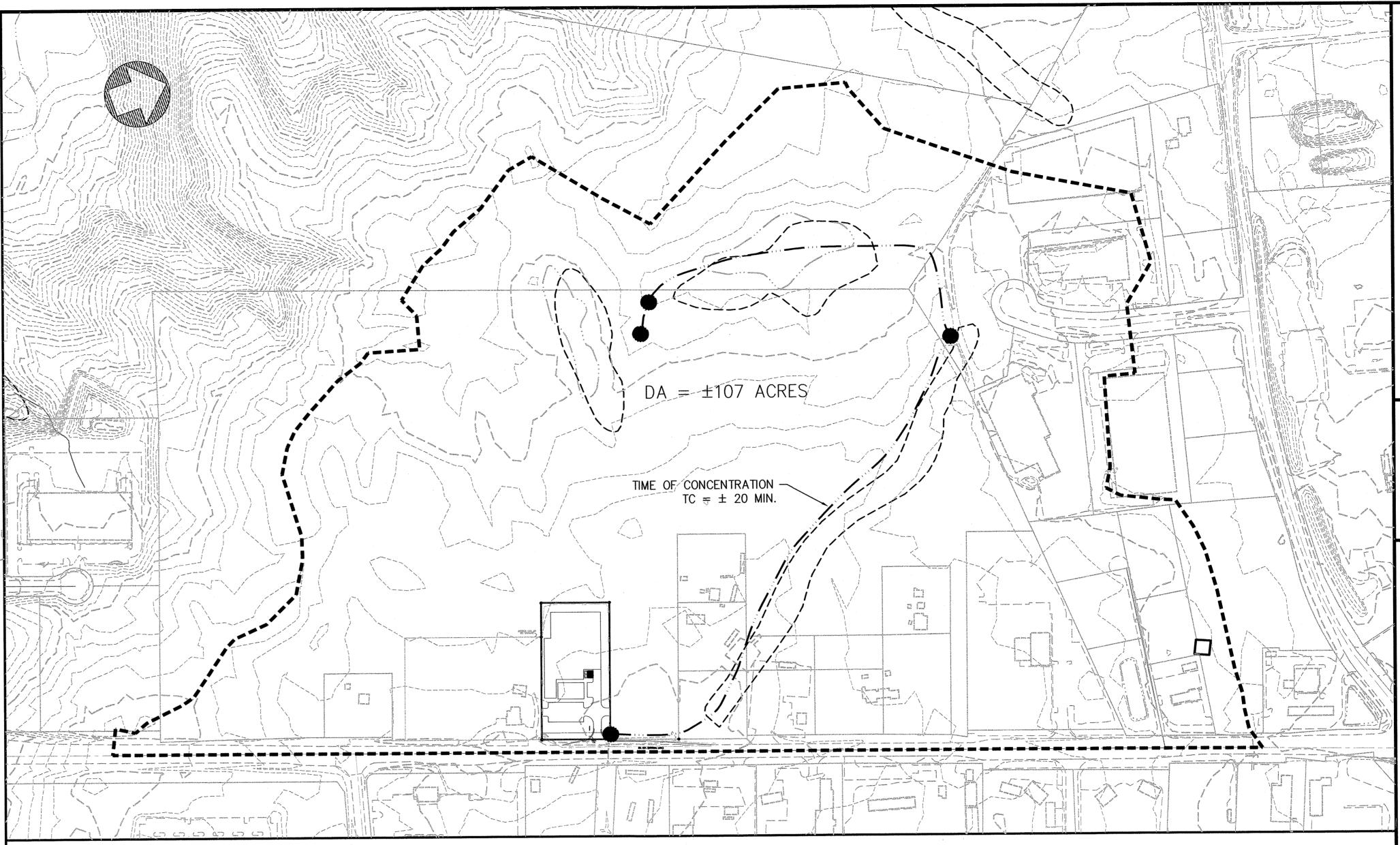
JEFFERSON DAVIS HIGHWWAY
US ROUTE 1

EX. SEWER (APPROX. LOC.)

OUTDOOR DISPLAY STORAGE AREA ±34,000 SF

EX. E.P. (APPROX. LOC.)





GRAPHIC SCALE ( IN FEET ) 1 inch = 200 ft.

#### PRELIMINARY SWM/BMP CALCULATIONS

THESE CALCULATIONS ARE APPROXIMATE IN NATURE AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. FINAL SWM AND BMP CALCULATIONS WILL BE PROVIDED WITH FINAL CONSTRUCTION PLANS.

PRELIMINARY SWM/BMP CALCULATIONS

THIS PROPOSED DEVELOPMENT WILL CONSIST OF APPROXIMATELY 55,000 S.F. OF STORAGE AND OFFICE SPACE ALONG WITH ASSOCIATED IMPROVEMENTS SUCH AS PARKING, UTILITIES AND SEWERS. THE SITE CONSISTS OF HSG TYPE C AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY. D SOILS. THE SITE DRAINS FROM WEST TO EAST TO A POINT AT THE NORTHEAST CORNER OF THE PROPERTY. RUNOFF THEN ENTERS INTO A CONVEYANCE SYSTEM LOCATED UNDER ROUTE 1. ADEQUACY OF THE EXISTING 24" CULVERT WILL

BE DETERMINED DURING FINAL ENGINEERING AND IN COORDINATION WITH LOCAL AUTHORITIES AND VDOT. A STORMWATER

MANAGEMENT FACILITY IS PROPOSED ON THE EAST PORTION OF THE SITE. THIS FACILITY SHALL SATISFY THE CURRENT SWM REGULATIONS OF VIRGINIA AND SPOTSYLVANIA COUNTY.

WATER QUALITY REGULATIONS WILL BE SATISFIED BY THE PURCHASE OF NUTRIENT CREDITS. THIS SITE WILL GENERATE APPROXIMATELY 3.37 LB/YR OF PHOSPHORUS RUNOFF, 2.50 LB/YR OF WHICH MUST BE REMOVED/CREDITS PURCHASED AS MITIGATION. OTHER METHODS OF TREATMENT MAY BE UTILIZED IF THEY ARE CONSIDERED MORE APPROPRIATE FOR THIS SITE UPON FINAL ENGINEERING. SEE VRRM CALCULATIONS LOCATED ON THIS SHEET.

DETENTION OF THE ONE—YEAR STORM EVENT SHALL BE CALCULATED USING THE ENERGY BALANCE EQUATION. A DETENTION SYSTEM WILL BE UTILIZED TO REDUCE THE RELEASE RATES TO REQUIRED LEVELS UPON EXITING THIS SITE.

THE VIRGINIA STROMWATER MANAGEMENT FLOOD PROTECTION REQUIREMENT SHALL BE SATISFIED BY ACHIEVING PRE-DEVELOPED RUNOFF RATES OF THE 10-YEAR, 24-HOUR STORM EVENT. DETENTION OF THIS RUNOFF WILL TAKE PLACE IN A FACILITY LOCATED ONSITE AND POTENTIALLY BE THE SAME FACILITY THAT DETAINS THE 1-YEAR STORM

THE PROPOSED STORMWATER MANAGEMENT SYSTEM IS CONCEPTUAL IN NATURE AND SUBJECT TO CHANGE. ACTUAL SWM FACILITY DESIGN CRITERIA SHALL BE DETERMINED AT THE FINAL ENGINEERING STAGE OF THIS PROJECT.

#### Post-Development Project (Treatment Volume and Loads)

#### Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
orest/Open Space (acres) - undisturbed, rotected forest/open space or reforested land	0.00	0.00	0.00	0.00	0.00
lanaged Turf (acres) – disturbed, graded for ards or other turf to be mowed/managed	0.00	0.00	0.57	0.15	0.72
mpervious Cover (acres)	0.00	0.00	1.13	0.25	1.38
	<u> </u>				2.10

Constants				
Annual Rainfall (inches)	43			
Target Rainfall Event (inches)	1.00			
Total Phosphorus (TP) EMC (mg/L)	0.26			
Total Nitrogen (TN) EMC (mg/L)	1.86			
Target TP Load (lb/acre/yr)	0.41			
Di (unitless correction factor)	0.90			

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.15	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95

Post-Development Requirement f	or Site Area		
TP Load Reduction Required (lb/yr)	2.50		

LAND	COVER SU				
Land Cover Summary					
Forest/Open Space Cover (acres)	0.00				
Weighted Rv (forest)	0.00				
% Forest	0%				
Managed Turf Cover (acres)	0.72				
Weighted Rv (turf)	0.23				
% Managed Turf	34%				
Impervious Cover (acres)	1.38				
Rv (impervious)	0.95				
% Impervious	66%				
Site Area (acres)	2.10				
Site Rv	0.70				

 Treatment Volume and Nutrien	t Loads
Treatment Volume (acre-ft)	0.1230
Treatment Volume (cubic feet)	5,358
TP Load (lb/yr)	3.37
TN Load (lb/yr) (Informational Purposes Only)	24.08

APPROVAL		
AGENT, BOARD OF SUPERVISORS	DATE	

TERRY INDL GENERAL DEV RMWATER

R17-0008

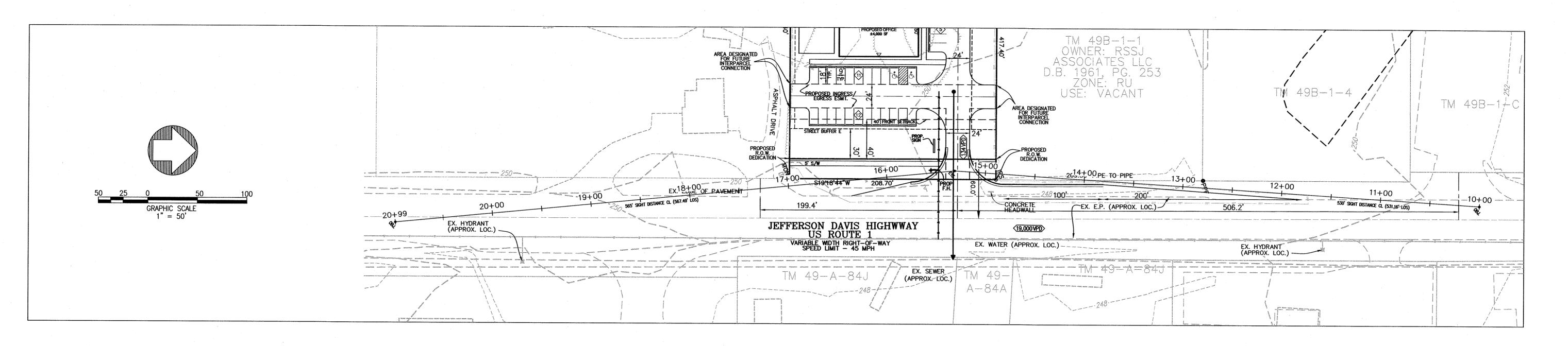
COUNTY PROJECT NUMBER WILLIAM S. PYLE

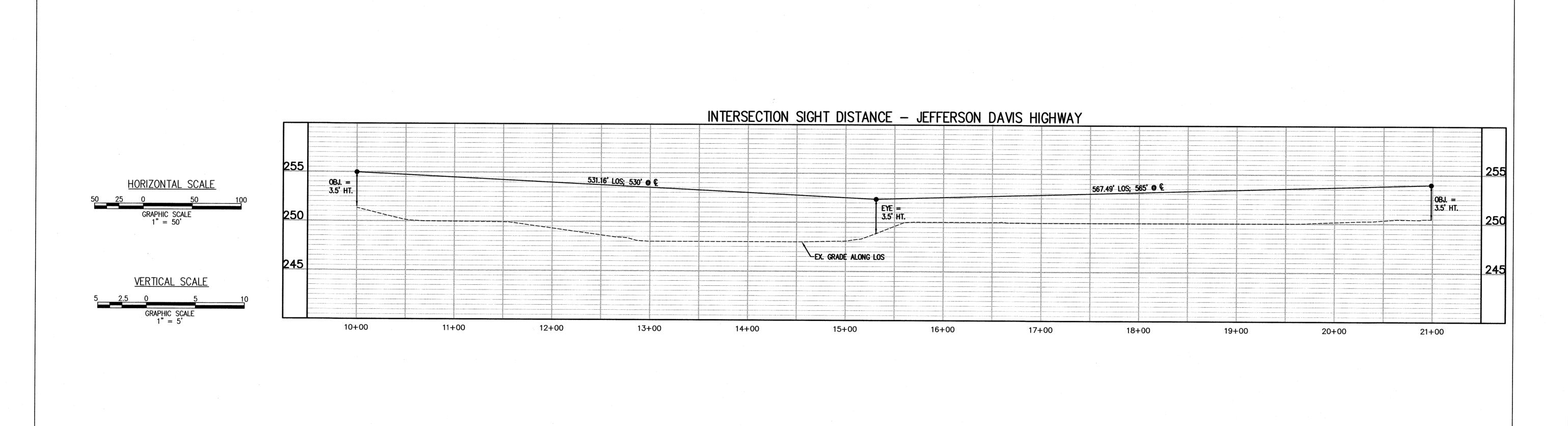
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SCALE H: AS NOTED JOB No. 100084-01-001 DATE: MAY 2017 FILE No. 100084-D-ZP-001

6 <sub>OF</sub> 8

SIGHT DISTANCE PROFILE NOTE: DEPICTED ENTRANCE AND EXISTING EDGE OF PAVEMENT IS DERIVED FROM SPOTSYLVANIA COUNTY GIS DATA. THE GENERALIZED DEVELOPMENT PLAN IS PRELIMINARY AND SUBJECT TO MINOR CHANGES WITH FINAL ENGINEERING.





**APPROVAL** AGENT, BOARD OF SUPERVISORS DATE

SIGHT DISTANCE PROFILE TERRY INDUSTRIAL PARK GENERAL DEVELOPMENT PLAN

R17-0008 COUNTY PROJECT NUMBER

ENTRANCE

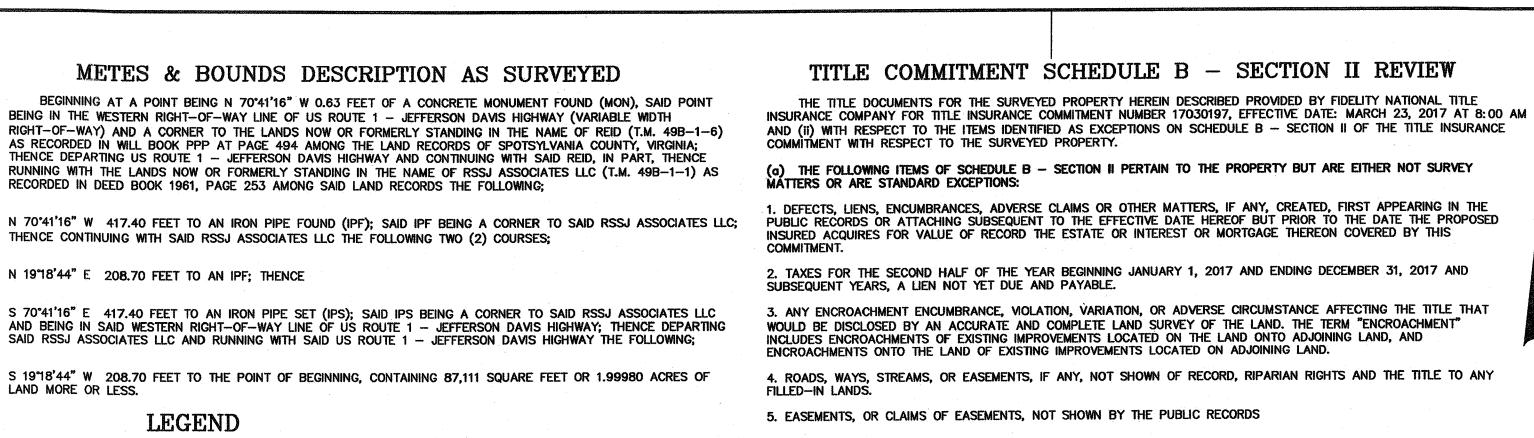
PLAN STATUS 05/18/17 1st SUBMISSION 07/19/17 2nd SUBMISSION 09/6/17 3rd SUBMISSION 09/27/17 4th SUBMISSION

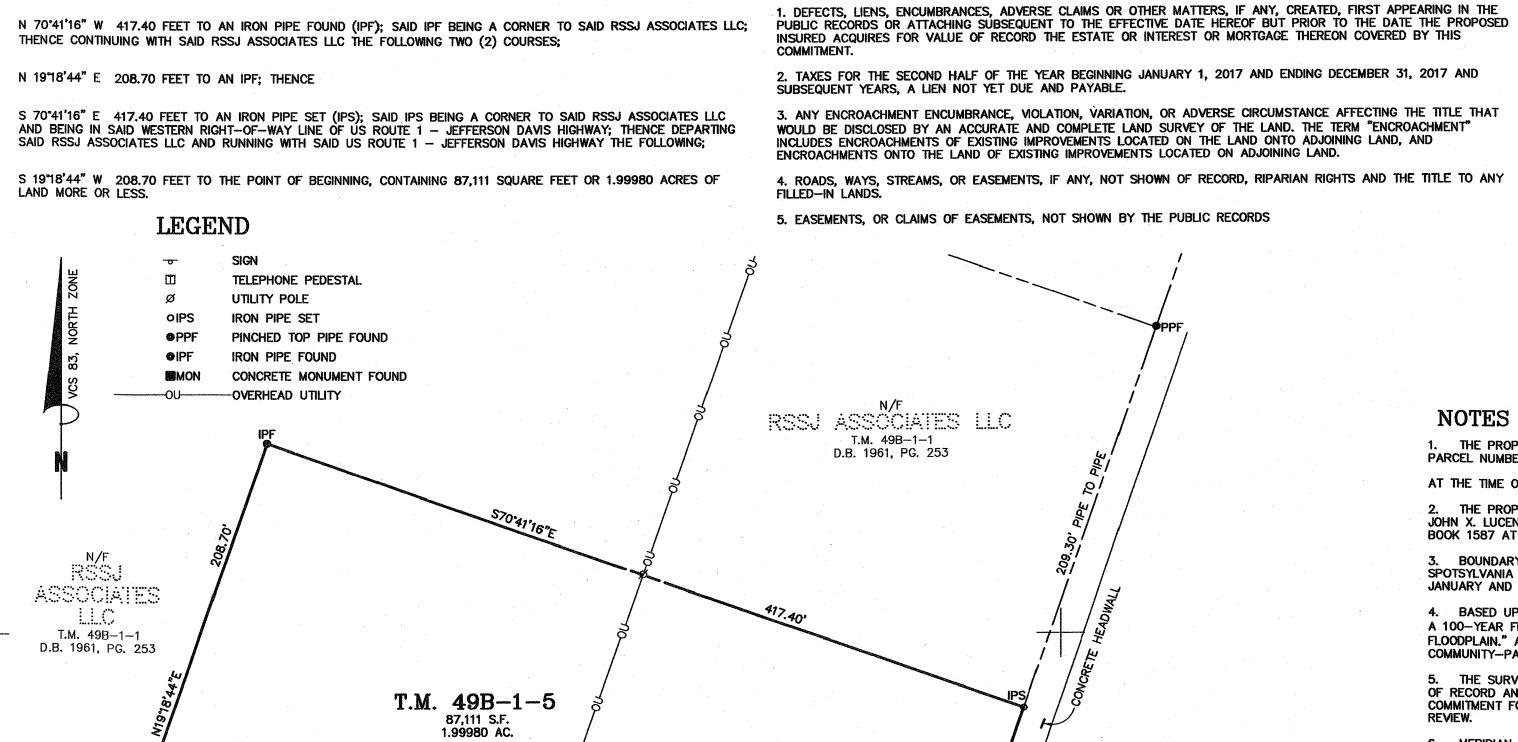
DATE DESCRIPTION SG SG WSP
DESIGN DRAWN CHKD
SCALE H: AS NOTED JOB No. 100084-01-001 DATE: MAY 2017 FILE No. 100084-D-ZP-001

SHEET 7 OF 8

Cad file name: P:\100084 - Eldrick's U-Haul\100084-01-001 (ENG) - Eldrick's U-Haul\Engineering\Engineering Plans\GDP\07-100084-D-ZP-001-SIGHT.dwg







CURRENT DESCRIPTION OF THE SURVEYED PROPERTY THE LAND REFERRED TO IN THIS COMMITMENT IS DESCRIBED AS FOLLOWS:

T.M. 49B-1-6

WILL BOOK PPP, PG. 494

ALL THAT CERTAIN LOT OR PARCEL OF LAND, SITUATE, LYING AND BEING IN ON THE WEST SIDE OF U.S. HIGHWAY NO. 1 ABOUT 0.2 MILES SOUTH OF MASSAPONAX IN COURTLAND DISTRICT, SPOTSYLVANIA COUNTY, VIRGINIA, FRONTING ON SAID HIGHWAY A TOTAL OF 208. 7 FEET, MORE OR LESS, AND RUNNING BACK BETWEEN PARALLEL LINES FOR A DISTANCE OF 417.4 FEET, MORE OR LESS AND CONTAINING AN AREA OF 2.00 ACRES, MORE OR LESS, AS SHOWN ON A PLAT THEREOF DATED JULY 2, 1952, PREPARED BY J.C. RUSSELL, C.S., ATTACHED TO A DEED AND RECORDED IN DEED BOOK 170, PAGE 241, IN THE CLERK'S OFFICE OF THE CIRCUIT COURT OF SPOTSYLVANIA COUNTY, VIRGINIA.

BEING THE SAME PROPERTY CONVEYED TO FRANK JOHN LUCENTE AS CUSTODIAN FOR JOHN X. LUCENTE UNDER THE VIRGINIA UNIFORM TRANSFERS TO MINORS ACT FROM JOHN LUCENTE AND JOSEPHINE LUCENTE, BY DEED DATED JULY 15, 1998 AND RECORDED IN DEED BOOK 1587, PAGE 423, AMONG THE LAND RECORDS OF SPOTSYLVANIA COUNTY, VIRGINIA.

GRAPHIC SCALE

SURVEYOR'S CERTIFICATE

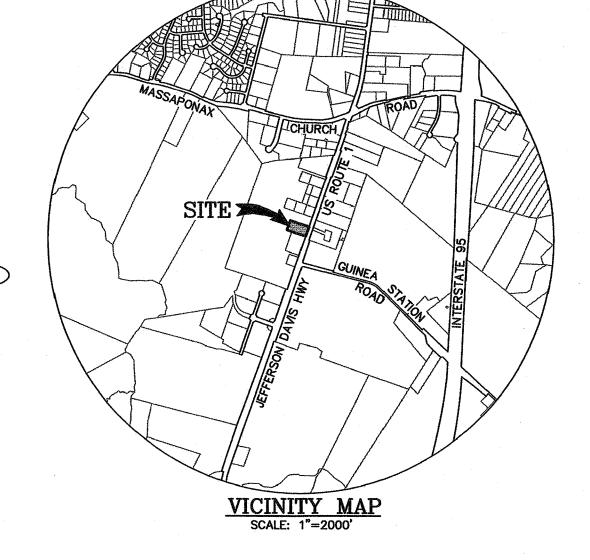
GAS MARKER POST-

TO: FRANK JOHN LUCENTE AS CUSTODIAN FOR JOHN X. LUCENTE UNDER THE VIRGINIA UNIFORM TRANSFERS TO MINORS ACT; ELDRICK'S LLC; AND FIDELITY NATIONAL TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6a, 8, 13, 14, AND 16 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON APRIL 20, 2017.

KEYN D. EARLY, L.S. DATE OF PLAT OR MAP: 05/01/17 VIRGINIA LIC. NO. 003132

KEVIN D. EARLY Lic. No. 003132



1. THE PROPERTIES DELINEATED HEREON ARE LOCATED ON SPOTSYLVANIA COUNTY TAX MAP AS PARCEL NUMBER 49B-1-5 AND IS ZONED RU.

AT THE TIME OF SURVEY, NO ZONING REPORT OR LETTER WAS PROVIDED BY THE INSURER.

2. THE PROPERTIES CURRENTLY STAND IN THE NAME OF FRANK JOHN LUCENTE AS CUSTODIAN FOR JOHN X. LUCENTE UNDER THE VIRGINIA UNIFORM TRANSFERS TO MINORS ACT, AS RECORDED AT DEED BOOK 1587 AT PAGE 423 AMONG THE LAND RECORDS OF SPOTSYLVANIA COUNTY, VIRGINIA.

3. BOUNDARY INFORMATION AS SHOWN HEREON IS COMPILED FROM EXISTING LAND RECORDS OF SPOTSYLVANIA COUNTY AND A FIELD SURVEY PERFORMED BY BOWMAN CONSULTING GROUP, LTD. DURING JANUARY AND FEBRUARY, 2017. THE FIELDWORK WAS COMPLETED ON APRIL 20, 2017.

4. BASED UPON GRAPHIC PLOTTING ONLY AND AS SHOWN HEREIN. THE PROPERTY IS NOT LOCATED IN A 100-YEAR FLOODPLAIN AND LIES IN ZONE "X", "AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN." AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP FOR SPOTSYLVANIA COUNTY, VIRGINIA, COMMUNITY-PANEL NUMBER 510308 0200 C, MAP REVISED FEBRUARY 18, 1998.

5. THE SURVEYED PROPERTY AS SHOWN HEREON IS SUBJECT TO ALL COVENANTS AND RESTRICTIONS OF RECORD AND THOSE RECORDED HEREWITH. BOWMAN CONSULTING GROUP, LTD. WAS PROVIDED A COMMITMENT FOR TITLE INSURANCE AS IDENTIFIED IN THE TITLE COMMITMENT SCHEDULE B - SECTION II

6. MERIDIAN IS BASED ON THE VIRGINIA COORDINATE SYSTEM, NAD83, NORTH ZONE.

7. THE LOCATION OF ALL VISIBLE BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SITUATED ON THE SURVEYED PROPERTY, WHICH HAS BEEN CAREFULLY ESTABLISHED BY THE CLASSIFICATION AND SPECIFICATIONS FOR CADASTRAL SURVEYS ARE CORRECTLY SHOWN.

8. ALL EASEMENTS AND RIGHTS-OF-WAY APPARENT FROM A CAREFUL PHYSICAL INSPECTION OF THE SURVEYED PROPERTY, OR AS IDENTIFIED IN SCHEDULE B - SECTION II OF THE COMMITMENT FOR TITLE ARE CORRECTLY SHOWN UNLESS OTHERWISE NOTED.

9. AS OF THE DATE OF THIS SURVEY, THERE WERE NO EXISTING BUILDINGS LOCATED ON THE SUBJECT PROPERTY AND THERE WAS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

10. AS OF THE DATE OF THIS SURVEY, THERE WAS NO OBSERVED EVIDENCE OF CEMETERIES ON THIS

PLAT SHOWING ALTA/NSPS LAND TITLE SURVEY ON THE LANDS OF FRANK JOHN LUCENTE AS CUSTODIAN FOR JOHN X. LUCENTE UNDER THE VIRGINIA UNIFORM TRANSFERS TO MINORS ACT DEED BOOK 1587 AT PAGE 423

COURTLAND MAGISTERIAL DISTRICT SPOTSYLVANIA COUNTY, VIRGINIA

BCG PROJECT NO: 100084-01-001 TASK: 2

SCALE: 1" = 50'DATE: MAY 1, 2017 Fax: (540) 371-3479 **650A Noims Circle** Bowman Consulting Group, Ltd. DWG: P:\100084 - ELDRICK'S U-HAUL\100084-01-001 (SUR)\SURVEY\PLATS\BOUNDARY\100084-C-BP-001.DWG BY: KDE CHK: JA QC:

COUNTY REF NO: 49B-1-5

**APPROVAL** 

AGENT, BOARD OF SUPERVISORS

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SHEET 1 OF 1

DATE

Cad file name: P:\100084 - Eldrick's U-Haul\100084-01-001 (ENG) - Eldrick's U-Haul\Engineering\Engineering Plans\GDP\08-100084-D-ZP-001-PLAT.dwg

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R17-0008

COUNTY PROJECT NUMBER Lic. No. 037555

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DATE DESCRIPTION SG DESIGN DRAWN

JOB No. 100084-01-001 DATE: MAY 2017 FILE No. 100084-D-ZP-001

8 <sub>OF</sub> 8 SHEET