

SPECIAL USE PERMIT PLAT

TOMMY'S EXPRESS - 9917 FAIRFAX BLVD

TAX MAP #48-3-13-001
9917 FAIRFAX BOULEVARD
FAIRFAX, VA 22031
09/12/2024

NOTES

- THIS APPLICATION IS REQUESTING A SPECIAL USE PERMIT TO ALLOW A CAR WASH INSIDE A COMMERCIAL RETAIL ZONE.
- THIS APPLICATION INCLUDES THE FOLLOWING SPECIAL USE PERMIT AND SPECIAL EXCEPTION APPLICATIONS:
 - SPECIAL USE PERMIT TO ALLOW A CAR WASH SERVICE BAY IN THE CR ZONE.
 - SPECIAL EXCEPTION TO SEC. 3.5.4.J.3 OF THE ZONING ORDINANCE TO ALLOW REPAIR OR SERVICE OPERATIONS, INCLUDING WASHING, TO BE CONDUCTED OUTSIDE OF A FULLY-ENCLOSED BUILDING.
 - SPECIAL EXCEPTION TO SEC. 4.5.6 OF THE ZONING ORDINANCE TO MODIFY THE TY3 REQUIREMENT ALONG THE SOUTHERN AND WESTERN PROPERTY LINES BY WAIVING THE REQUIRED FENCE OR WALL.
 - SPECIAL EXCEPTION TO SEC. 4.5.6 OF THE ZONING ORDINANCE TO ALLOW STREET TREES TO BE PLANTED AT A DISTANCE GREATER THAN 15 FEET FROM THE BACK OF CURB ALONG FAIRFAX BOULEVARD.
- THE SOURCE OF THE BOUNDARY LINES AND EXISTING IMPROVEMENTS IS AN ALTA SURVEY IS PROVIDED BY GRS GROUP, LLC DATED SEPTEMBER 18, 2020 AND MOST RECENTLY REVISED ON JANUARY 29, 2021.
- NOTWITHSTANDING THE IMPROVEMENTS AND TABULATIONS SHOWN ON THIS PLAN, THE APPLICANT RESERVES THE RIGHT TO MAKE MODIFICATIONS TO THE FINAL DESIGN IN CONSIDERATION OF FINAL ENGINEERING AND ANY NEW REGULATIONS ADOPTED BY THE CITY OF FAIRFAX SUBSEQUENT TO THE SUBMISSION OF THIS APPLICATION, PROVIDED THAT SUCH MODIFICATIONS ARE SUBSTANTIALLY CONSISTENT WITH THE APPROVED SUP PLAT.
- THE PROPOSED BUILDING FOOTPRINTS AND SITE IMPROVEMENTS SHOWN ON THIS SUP PLAT ARE PRELIMINARY AND SUBJECT TO CHANGE AT THE TIME OF SITE PLAN IN RESPONSE TO FINAL ENGINEERING, PROVIDED THAT THEY ARE SUBSTANTIALLY CONSISTENT WITH THE APPROVED SUP PLAT.
- SITE LIGHTING WILL BE DETERMINED AT THE TIME OF SITE PLAN AND WILL BE PROVIDED IN ACCORDANCE WITH THE CITY OF FAIRFAX ZONING ORDINANCE AND PUBLIC FACILITIES MANUAL.
- ALL SIGNAGE WILL BE PROVIDED IN ACCORDANCE WITH SECTION 4.6 OF THE ZONING ORDINANCE.
- THE SUBJECT PROPERTY IS SERVED BY PUBLIC WATER AND SEWER.

VICINITY MAP



SHEET INDEX

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3	TREE SURVEY
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5	CONCEPTUAL LANDSCAPE PLAN
6	TRUCK TURNING MOVEMENTS
7	PRELIMINARY GRADING PLAN
8	PRELIMINARY UTILITY PLAN
9	PHOTOMETRIC PLAN
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PROJECT DESCRIPTION

THIS PROJECT PROPOSES TO DEMOLISH THE EXISTING STRUCTURES ONSITE AND CONSTRUCT A 4,553 SF CAR WASH WITH 14 VEHICLE VACUUM SPACES. THIS PROJECT IS LOCATED AT 9917 FAIRFAX BOULEVARD, WHICH IS AT THE SOUTHEAST CORNER OF THE FAIRFAX BOULEVARD & LION RUN INTERSECTION. THIS PROPOSED USE ALIGNS WITH THE CITY OF FAIRFAX FUTURE LAND USE MAP, WHICH IDENTIFIES THE PROPERTY TO BE IN A COMMERCIAL CORRIDOR.

PROJECT TEAM

CURRENT OWNER

CHESAPEAKE PINES VA 4 LLC
6211 HIGHLAND DRIVE, STE 3501
SALT LAKE CITY, UT 84121

DEVELOPER/APPLICANT

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MICHAEL@OLYMPUSPINES.COM

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ENGINEER

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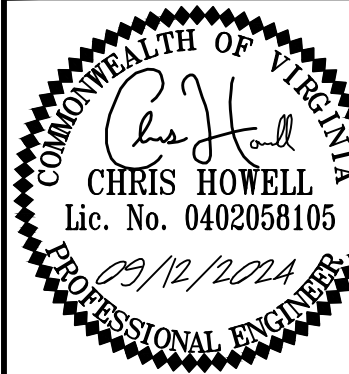
AGENT / LAND USE ATTORNEY

ROBERT BRANT
WALSH, COLUCCI, LUBELEY & WALSH
2200 CLARENDON BOULEVARD, SUITE 1300
ARLINGTON, VA 22201
(703) 528-4700 (ext 5424)

TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

COVER SHEET



KIM PROJECT	DATE	SCALE	AS SHOWN	DESIGNED BY	CNH	DRAWN BY	EPR	CHECKED BY	CNH
110730001	09/12/2024								

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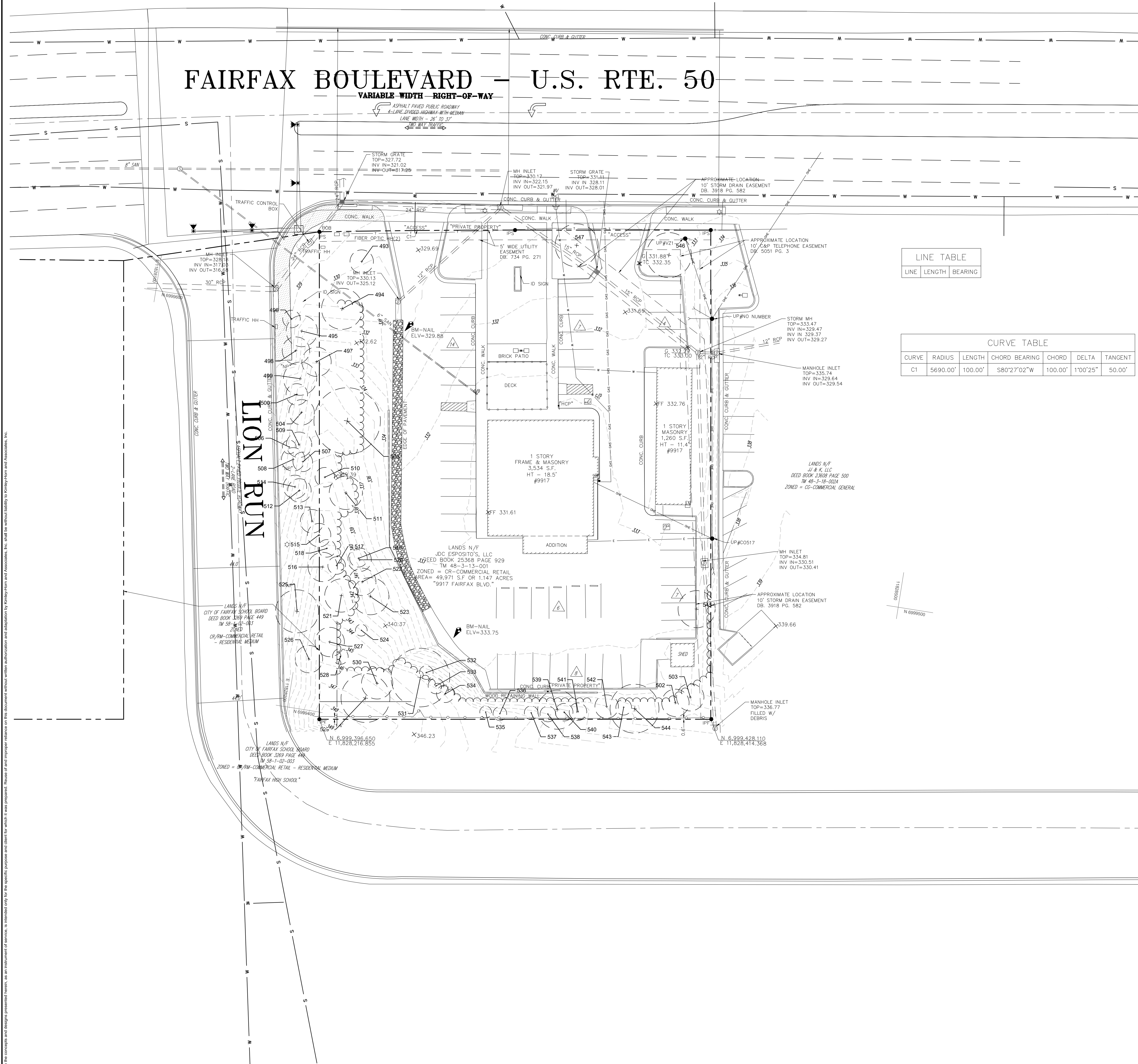
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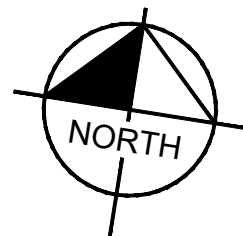
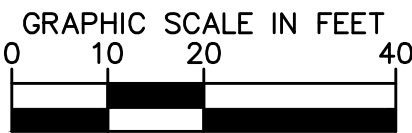


SITE LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- APPROX. LOC. OVERHEAD ELECTRIC
- APPROX. LOC. UNDERGROUND TELEPHONE
- APPROX. LOC. WATER LINE
- METAL OR WOOD FENCE
- WIRE FENCE
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GAS VALVE
- GAS METER
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- TELEPHONE PEDESTAL
- TRANSFORMER
- AREA LIGHT
- SIGN
- BOLLARD
- TREE (W/SIZE)
- BUSH
- TREE LINE
- GRATE INLET
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- STORM DRAIN MANHOLE
- CLEAN OUT
- DENOTES PARKING COUNT
- TITLE EXCEPTION
- BENCHMARK
- PAINTED ARROWS
- WHEEL STOP
- HANDICAP PARKING
- STOP BAR

LINE TABLE		
LINE	LENGTH	BEARING

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT
C1	5690.00'	100.00'	S80°27'02"W	100.00'	1°00'25"	50.00'



TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

EXISTING CONDITIONS PLAN

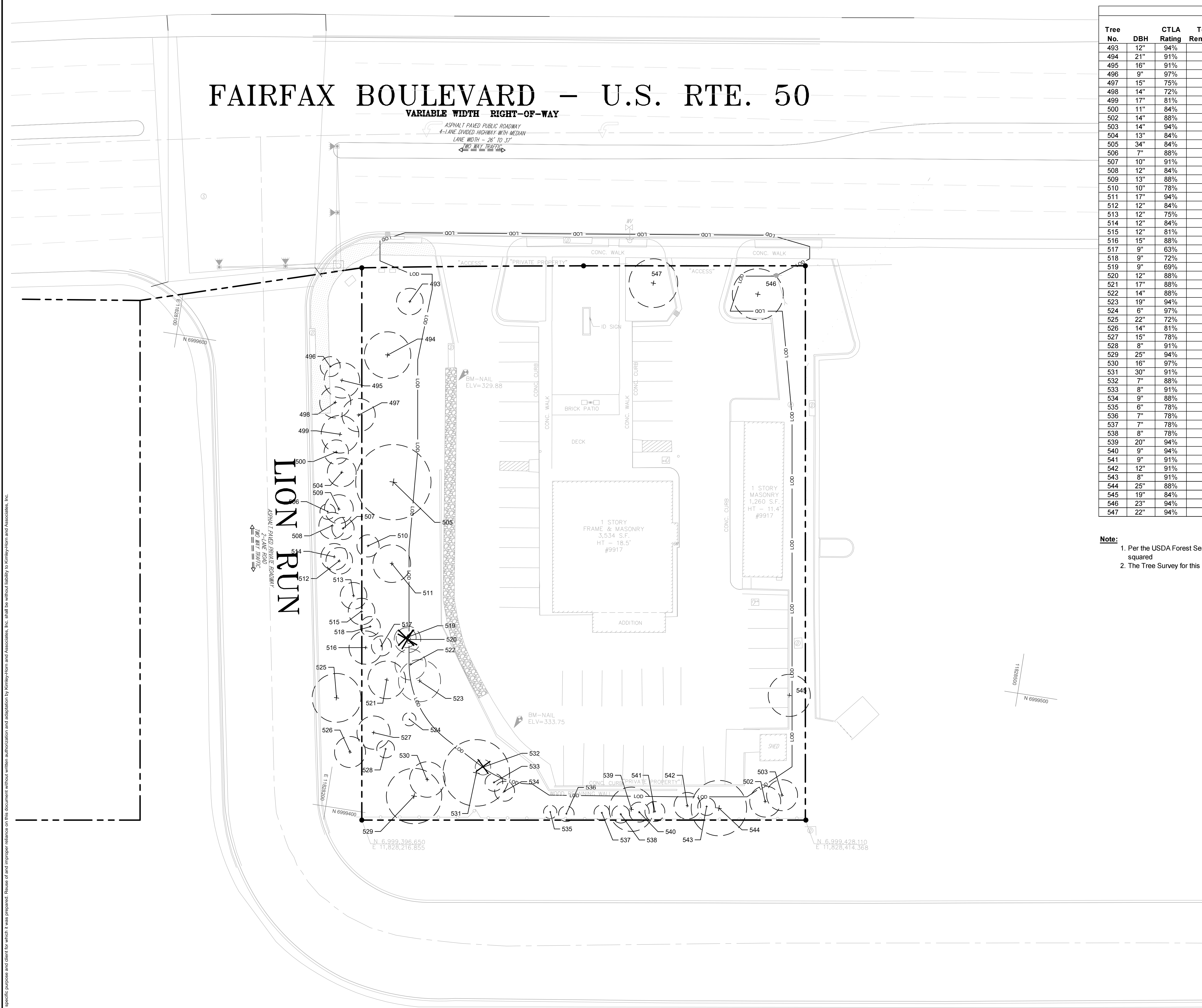
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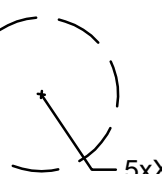
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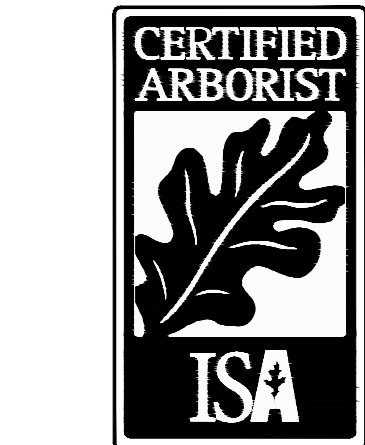
Existing Tree Condition Inventory & Analysis									
Tree No.	DBH	CTLA Rating	To Be Removed?	Located within Property	Botanical Name	Common Name	Existing Canopy Coverage		Notes
							on Property	Area	
493	12"	94%		✓	Tilia cordata	Little Leaf Linden	452 SF	452 SF	
494	21"	91%		✓	Tilia cordata	Little Leaf Linden	1,385 SF	1,385 SF	
495	16"	91%			Pinus virginiana	Virginia Pine			
496	9"	97%			Acer palmatum	Japanese Maple			
497	15"	75%			Quercus rubra	Northern Red Oak			
498	14"	72%			Quercus rubra	Northern Red Oak			
499	17"	81%			Quercus rubra	Northern Red Oak			
500	11"	84%			Quercus rubra	Northern Red Oak			
502	14"	88%		✓	Celtis occidentalis	Hackberry	615 SF	615 SF	
503	14"	94%		✓	Ulmus rubra	Slippery Elm	615 SF	615 SF	
504	13"	84%			Quercus rubra	Northern Red Oak			
505	34"	84%		✓	Liriodendron tulipifera	Tulip Poplar	3,564 SF	3,564 SF	
506	7"	88%			Gleditsia triacanthos	Honey Locust			
507	10"	91%			Pinus virginiana	Virginia Pine			
508	12"	84%			Gleditsia triacanthos	Honey Locust			
509	13"	88%			Pinus virginiana	Virginia Pine			
510	10"	78%		✓	Acer rubrum	Red Maple	314 SF	314 SF	
511	17"	94%		✓	Liriodendron tulipifera	Tulip Poplar	907 SF	907 SF	
512	12"	84%			Pinus virginiana	Virginia Pine			
513	12"	75%			Gleditsia triacanthos	Honey Locust			
514	12"	84%			Pinus virginiana	Virginia Pine			
515	12"	81%		✓	Gleditsia triacanthos	Honey Locust	452 SF	452 SF	
516	15"	88%		✓	Gleditsia triacanthos	Honey Locust	707 SF	707 SF	
517	9"	63%		✓	Gleditsia triacanthos	Honey Locust	254 SF	254 SF	
518	9"	72%		✓	Gleditsia triacanthos	Honey Locust	254 SF	254 SF	
519	9"	69%	x	✓	Gleditsia triacanthos	Honey Locust	254 SF		
520	12"	88%	x	✓	Liriodendron tulipifera	Tulip Poplar	452 SF		
521	17"	88%		✓	Liriodendron tulipifera	Tulip Poplar	907 SF		
522	14"	88%		✓	Gleditsia triacanthos	Honey Locust	615 SF	615 SF	TO BE RELOCATED
523	19"	94%		✓	Liriodendron tulipifera	Tulip Poplar	1,134 SF	1,134 SF	TO BE RELOCATED
524	6"	97%		✓	Fagus grandiflora	American Beech	113 SF	113 SF	
525	22"	72%			Gleditsia triacanthos	Honey Locust			
526	14"	81%			Gleditsia triacanthos	Honey Locust			
527	15"	78%		✓	Liriodendron tulipifera	Tulip Poplar	732 SF	732 SF	
528	8"	91%		✓	Fagus grandiflora	American Beech	201 SF	201 SF	
529	25"	94%		✓	Fagus grandiflora	American Beech	1,963 SF	1,963 SF	
530	16"	97%		✓	Fagus grandiflora	American Beech	804 SF	804 SF	
531	30"	91%		✓	Fagus grandiflora	American Beech	2,826 SF	2,826 SF	
532	7"	88%	x	✓	Tsuga canadensis	Eastern Hemlock			
533	8"	91%		✓	Tsuga canadensis	Eastern Hemlock			
534	9"	88%	x	✓	Tsuga canadensis	Eastern Hemlock	-	-	
535	6"	78%		✓	Tsuga canadensis	Eastern Hemlock			Hemlock Woolly Adelgid
536	7"	78%		✓	Tsuga canadensis	Eastern Hemlock			Hemlock Woolly Adelgid
537	7"	78%		✓	Tsuga canadensis	Eastern Hemlock			Hemlock Woolly Adelgid
538	8"	78%		✓	Tsuga canadensis	Eastern Hemlock			Hemlock Woolly Adelgid
539	20"	94%		✓	Liriodendron tulipifera	Tulip Poplar	1,256 SF	1,256 SF	
540	9"	94%		✓	Tsuga canadensis	Eastern Hemlock	-	-	Hemlock Woolly Adelgid
541	9"	91%		✓	Tsuga canadensis	Eastern Hemlock	-	-	Hemlock Woolly Adelgid
542	12"	91%		✓	Tsuga canadensis	Eastern Hemlock	-	-	Hemlock Woolly Adelgid
543	8"	91%		✓	Tsuga canadensis	Eastern Hemlock	-	-	Hemlock Woolly Adelgid
544	25"	88%		✓	Carya alba	Mockernut Hickory	1,963 SF	1,963 SF	
545	19"	84%		✓	Morus rubra	Red Mulberry	1,134 SF	1,134 SF	
546	23"	94%		✓	Tilia cordata	Little Leaf Linden	1,661 SF	1,661 SF	
547	22"	94%		✓	Tilia cordata	Little Leaf Linden	1,520 SF	1,520 SF	
Total Existing Canopy Coverage on Property:							27,054 SF		
Tree preservation provided onsite:							26,348 SF		

- Note:**
- Per the USDA Forest Service's Forest Inventory and Analysis program manual, the overall DBH for multi-stem trees shall be the square root of the sum of all individual stems DBH's squared
 - The Tree Survey for this site was conducted by Landscape Architect & Arborist W. Davis Walker, PLA, ISA-CA (MA-6373A) on April 26, 2023.

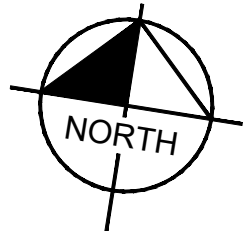
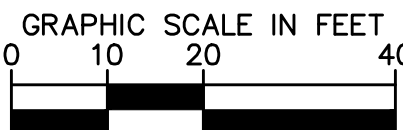
LEGEND

 EXISTING TREE
REFER TO TABLE

 EXISTING TREE
TO BE REMOVED



W. DAVIS WALKER
CERTIFIED ARBORIST
ISA-CA #MA6373A



TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

SHEET NUMBER
3



KWA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
110790001	09/12/2024	AS SHOWN	CMH	EPR	CMH

TREE SURVEY

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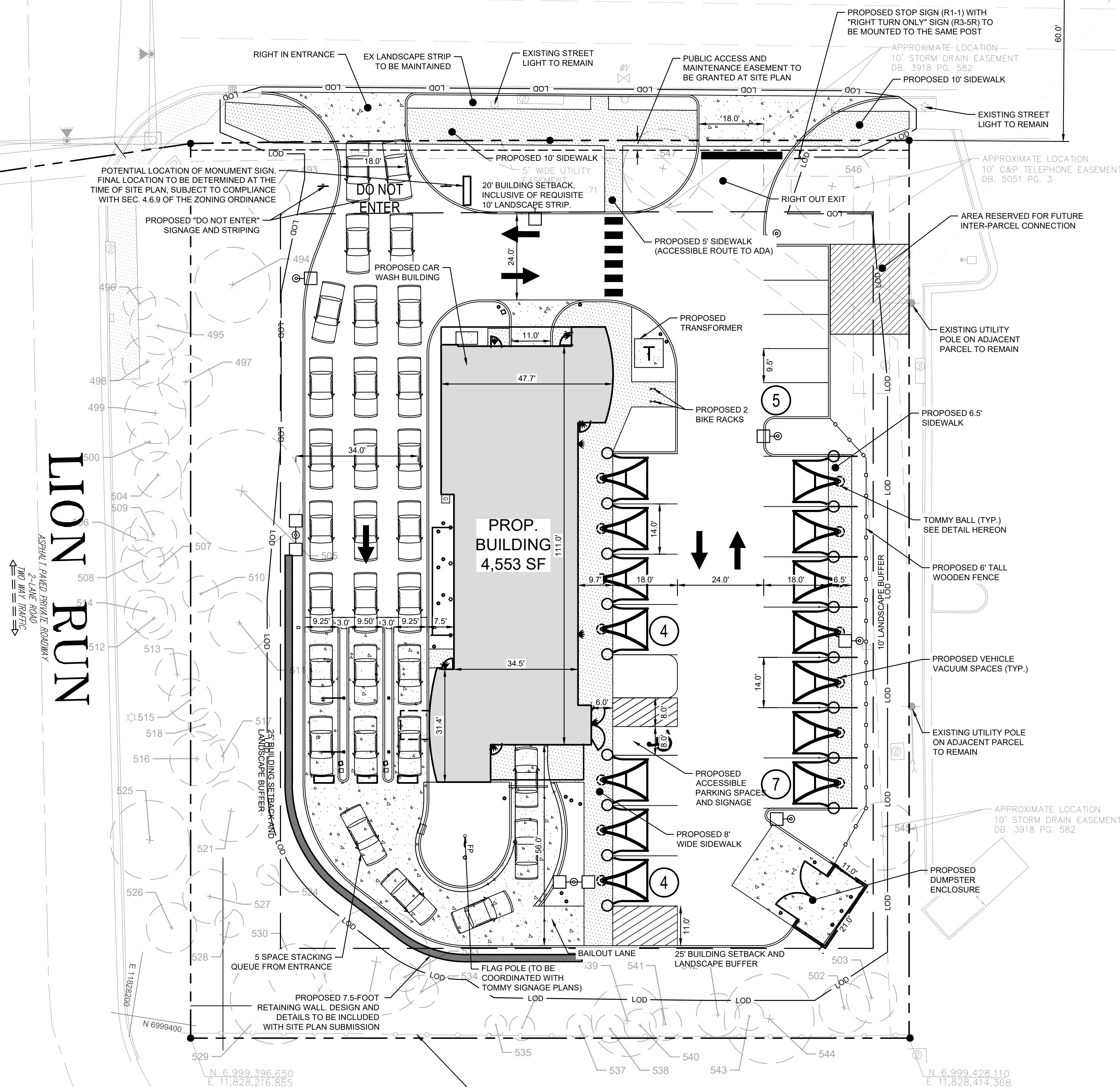
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FAIRFAX BOULEVARD – U.S. RTE. 50

VARIABLE WIDTH RIGHT-OF-WAY

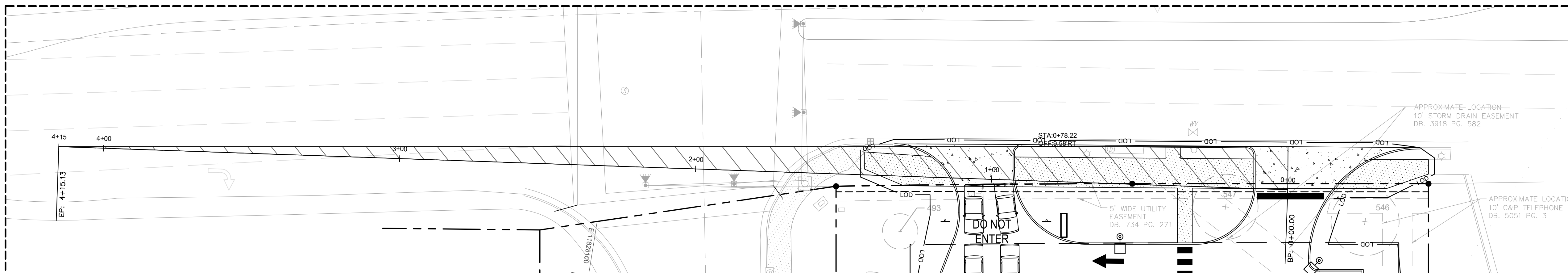
ASPHALT PAVED PUBLIC ROADWAY
4-LANE DIVIDED HIGHWAY WITH MEDIAN
LANE WIDTH – 26' TO 37'
2-WAY TRAFFIC

CENTERLINE



LION RUN
ASPHALT PAVED PRIVATE ROADWAY
2-LANE 2-WAY TRAFFIC
LANE WIDTH – 26' TO 37'

SIGHT DISTANCE TRIANGLE



SITE LEGEND

- PROPERTY LINE
- BUILDING SETBACK LINE
- LANDSCAPE BUFFER LINE
- LOD
- LIMITS OF DISTURBANCE
- PROPOSED CURB
- PROPOSED PARKING SPACE COUNTER
- PROPOSED SIGN

PAVEMENT LEGEND

- STANDARD DUTY ASPHALT
- STANDARD DUTY CONCRETE FOR SIDEWALKS
- HEAVY DUTY CONCRETE

ZONING TABULATIONS

TAX MAP NUMBER:	48-3-13-001
PROPERTY AREA:	±1.15 ACRES
EXISTING ZONING:	CR (COMMERCIAL RETAIL)
PROPOSED ZONING:	CR (COMMERCIAL RETAIL) WITH SUP (SPECIAL USE PERMIT)
EXISTING USE:	RESTAURANT/RETAIL
PROPOSED USE:	CAR WASH
COMP PLAN LAND USE:	CC (COMMERCIAL CORRIDOR)
BUILDING AREA:	4,553 SF
PARKING REQUIRED:	1 SPACE PER EMPLOYEE = 5 SPACES
PARKING PROPOSED:	20 SPACES WITH 1 ADA
LOADING REQUIRED:	NONE FOR BUILDINGS UNDER 10,000 SF
LOADING PROVIDED:	NONE
STACKING REQUIRED:	4 SPACES MEASURED FROM ENTRANCE TO WASH BAY
STACKING PROVIDED:	30 SPACES

ZONING COMPLIANCE

	REQUIRED	PROPOSED
BUILDING YARDS		
FRONT (FAIRFAX BLVD)	20 FT	52.1 FT
SIDE STREET (LION RUN)	25 FT	65.2 FT
SIDE INTERIOR (EAST)	10 FT	82.0 FT
SIDE INTERIOR (SOUTH)	25 FT	69.7 FT
LANDSCAPE BUFFERS		
RIGHT-OF-WAY (FAIRFAX BLVD)	20 FT	25 FT
RIGHT-OF-WAY (LION RUN, WEST)	25 FT	25 FT
RIGHT-OF-WAY (LION RUN, SOUTH)	25 FT	25 FT
COMMERCIAL (EAST)	0 FT	10 FT
BULK REQUIREMENTS		
MINIMUM LOT AREA	20,000 SF	49,971
MAXIMUM BUILDING COVERAGE	60%	9.1% (4,553 / 49,971)
MAXIMUM LOT COVERAGE	85%	60.0% (29,770 / 49,971)
MAXIMUM BUILDING HEIGHT	60 FT	26.8 FT

STORMWATER NARRATIVE

IN THE EXISTING CONDITION, THE PROPERTY IS PREDOMINANTLY IMPERVIOUS WITH APPROXIMATELY 28,075 SF OF THE 49,971 SF PROPERTY COVERED BY PAVEMENT OR BUILDINGS (56.2%). GENERALLY THE PROPERTY SLOPES SOUTH TO NORTH OF THE SITE AS LARGE PORTIONS OF THE PARKING LOT SHEET FLOW INTO FAIRFAX BOULEVARD. ULTIMATELY ALL RUNOFF FROM THE PROPERTY IS COLLECTED IN STORM DRAIN INLETS AND CONVEYED WEST ALONG FAIRFAX BOULEVARD.

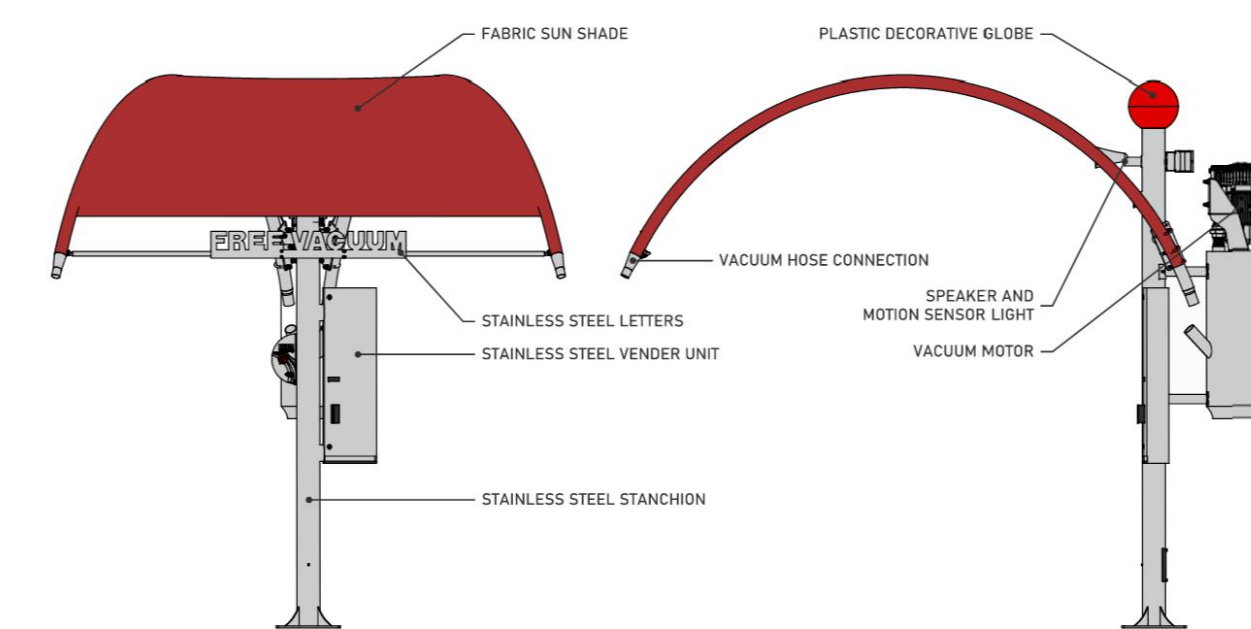
IN THE PROPOSED CONDITION, APPROXIMATELY 695 SF OF IMPERVIOUS COVER WILL BE ADDED, RESULTING IN A PROPOSED LOT COVERAGE OF 29,770 SF (60.0%). SITE TOPOGRAPHY WILL REMAIN THE SAME AS THE SITE WILL CONTINUE TO SLOPE TOWARDS FAIRFAX BOULEVARD. A DRAINAGE NETWORK IS PROPOSED ON-SITE AND STORMWATER MANAGEMENT WILL BE PROVIDED VIA A PROPOSED UNDERGROUND DETENTION FACILITY.

THE PROPOSED DETENTION BASIN WITH ISOLATOR ROW IS DESIGNED TO MEET CHANNEL PROTECTION, FLOOD PROTECTION, AND WATER QUALITY REQUIREMENTS ESTABLISHED BY VIRGINIA DEQ.

NOTE

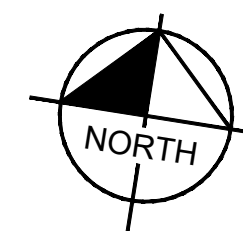
ALL PORTIONS OF EXISTING OR PROPOSED SIDEWALKS AND DRIVEWAYS ON PRIVATE PROPERTY WILL BE SUBJECT TO A PUBLIC ACCESS EASEMENT.

TOMMY CAR WASH SYSTEMS - VACCUM ELEVATIONS



TOMMY
CAR WASH SYSTEMS

GRAPHIC SCALE IN FEET
0 10 20 40



TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

SPECIAL USE PERMIT PLAT

KHA PROJECT
110730001
DATE
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SCALE AS SHOWN
DESIGNED BY CMH
DRAWN BY EFR
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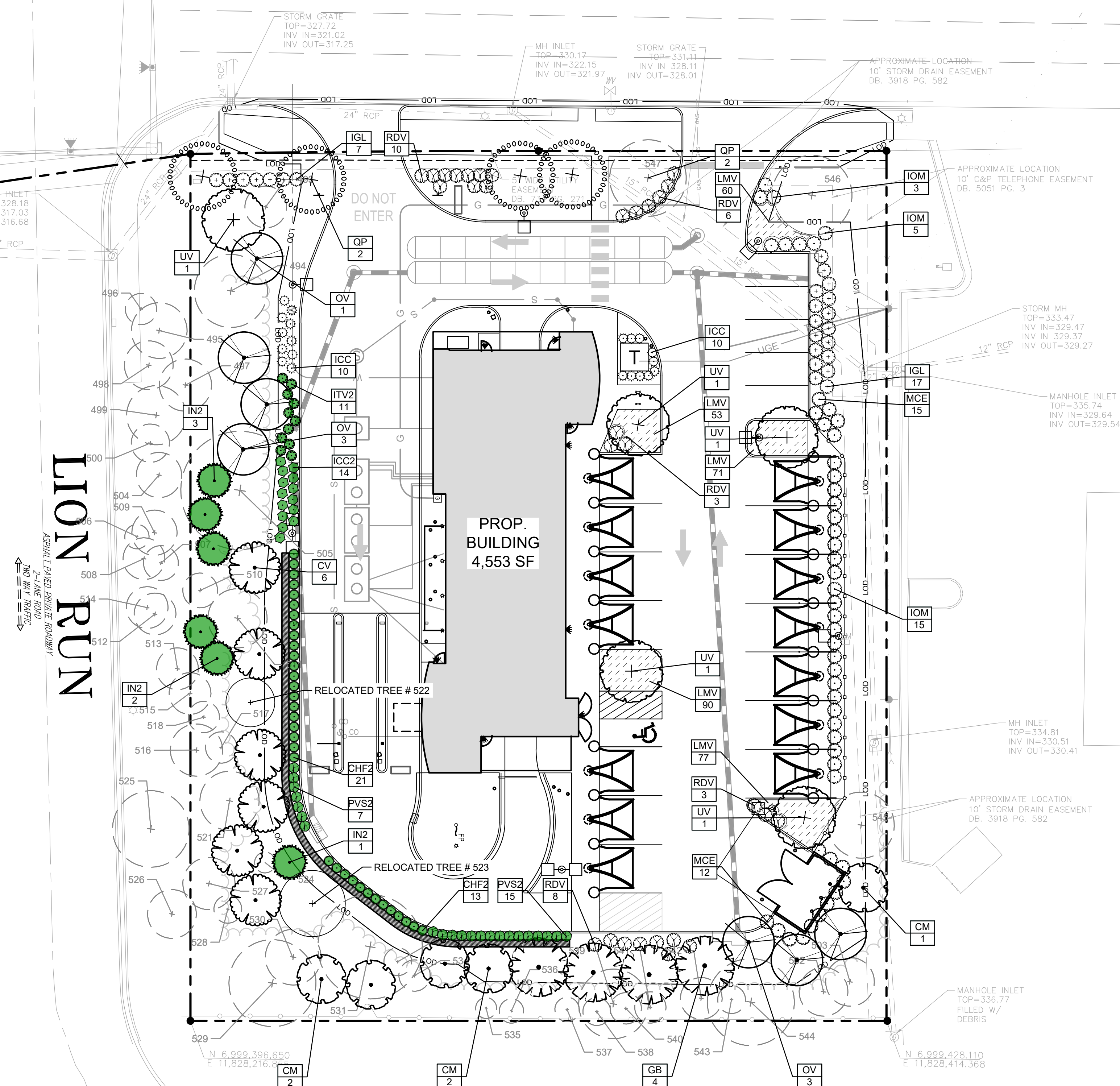
DATE



SHEET NUMBER

4

VARIABLE WIDTH RIGHT-OF-WAY

ASPHALT PAVED PUBLIC ROADWAY
4-LANE DIVIDED HIGHWAY WITH MEDIAN
LANE WIDTH - 26' TO 32'
TWO WAY TRAFFIC



  NOTE: COLORED SHRUBS/TREES ARE SUPPLEMENTAL PLANTINGS IN THE TY3 BUFFERS ABOVE CODE REQUIREMENTS.

Qty.	Key	Botanical Name	Common Name	Size	Type	10 Yr. Canopy
Canopy Tree						
4	GB	<i>Ginkgo biloba</i> 'Princeton Sentry'	Princeton Sentry Ginkgo	3.5' Cal	B & B	300'
4	QP	<i>Quercus phellos</i>	Willow Oak	3.5' Cal	B & B	750
5	UV	<i>Ulmus americana</i> 'Valley Forge'	American Elm	3.5' Cal	B & B	1,250'
Canopy Trees Subtotal:						2,250
Understory Trees						
6	CV	<i>Chonanthus virginicus</i>	White Fringetree	3.5' Cal	B & B	750'
5	CM	<i>Cornus mas</i>	Cornelian Cherry Dogwood	3.5' Cal	B & B	125
7	OV	<i>Ostrya virginiana</i>	Eastern Hophornbeam	3.5' Cal	B & B	875'
Understory Trees Subtotal:						2,250
Evergreen Trees						
6	IN2	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Steven Holly	6 Ft. Ht.	B & B	135
Evergreen Tree Subtotal:						810
						Total (s.f.): 5,310
Shrubs						
34	CHF2	<i>Cephalotaxus harringtonia</i> 'Fastigata'	Upright Japanese Plum Yew	30" Ht.	Cont.	
34	KCC	<i>Ilex crenata</i> 'Compacta'	Dwarf Japanese Holly	30" Ht.	Cont.	
24	IGL	<i>Ilex glabra</i>	Inkberry Holly	30" Ht.	Cont.	
11	ITV2	<i>Itea virginica</i> 'Little Henry'	Little Henry Virginia Sweetpire	30" Ht.	Cont.	
27	MCE	<i>Morella cerasifera</i> 'Farfalla'	Farfalla Wax Myrtle	30" Ht.	Cont.	
22	PVS3	<i>Pancum virginicum</i> 'Shenandoah'	Shenandoah Switchgrass	30" Ht.	Cont.	
30	RDV	<i>Rhododendron x Delaware Valley White</i>	Delaware Valley White Azalea	30" Ht.	Cont.	
23	VDT	<i>Viburnum dentatum</i>	Viburnum	30" Ht.	Cont.	
Groundcover						
416	LMW	<i>Liriope muscari</i> 'Variegata'	Variegated Lily Turf	1 gal.	Cont.	

Note:

- Any changes to the Landscape Schedule is subject to approval by the City of Fairfax's Urban Forester

TREE CANOPY TABULATIONS	
<i>Per Zoning Code 4.5.6.A</i>	
Site Area	50,994 SF
Development District: Commercial Retail	
Existing Tree Canopy	27,409 SF
Tree Canopy Required (10% required)	5,099 SF
Tree Canopy Provided through Tree Preservation	26,549 SF
Tree Canopy Provided through Planting	5,310 SF
Total Canopy Provided	31,859 SF

TREE CANOPY AT TIME OF PLANTING	
Tree Canopy Provided through Tree Preservation	26,549 SF
Tree Canopy Provided through Planting	1,192 SF
Total Canopy Provided	27,741 SF

TRANSITIONAL YARDS			
Per Zoning Code 4.5.5			
Proposed Development District: Commercial Retail			
<u>Location</u>	<u>Adjacent Development District</u>	<u>Width</u>	<u>Transitional Yard Requirement</u>
North Boundary	Commercial Retail		None
East Boundary	Commercial Retail		None
South Boundary	Residential Medium (RM)	15 LF	Transitional Yard 3
West Boundary	Residential Medium (RM)	15 LF	Transitional Yard 3

Buffer Tabulations		Per Zoning Code 4.5.5
South Boundary		Length = 189 LF
Buffer Type:	Transitional Yard 3	
Plant Material Type	Quantity Required	Quantity Provided
Canopy Tree	(4/100 LF) = 8	4
Existing Trees		4
Understory Tree	(4/100 LF) = 8	8
Evergreen Tree		6
Shrubs	(4/100 LF) = 8	36
<hr/>		
West Boundary		Length = 240 LF
Buffer Type:	Transitional Yard 3	
Plant Material Type	Quantity Required	Quantity Provided
Canopy Tree	(4/100 LF) = 10	1
Existing Trees		9
Understory Tree	(4/100 LF) = 10	10
Shrubs	(4/100 LF) = 10	63

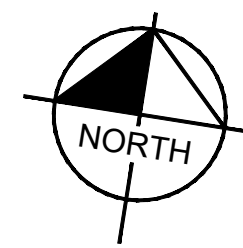
STREET TREES		
Per Zoning Code 4.5.6.B		
Number of Street Trees Required		
(1 per 40 LF)	<u>Length</u>	<u>Trees</u>
Fairfax Boulevard	150 LF	4
Lion Run	248 LF	7
Trees Provided		
Fairfax Boulevard	4 (Note 1)	
Lion Run	0 (Note 2)	

Note:

1. Street trees along Fairfax Boulevard are located behind the 10' shared use path to maintain safe sight triangles per Sec. 4.5.6.B.2.
2. Existing Trees along Lion Run to remain undisturbed, therefore Street trees are not provided.

INTERIOR PARKING LANDSCAPING	
<i>Per Zoning Code 4.5.7.D</i>	
Number of Parking Spaces Provided	20
Trees Required (<i>1 per 10 parking spaces</i>)	2
Proposed Trees Provided:	4
Existing Trees to Remain	1

1. All portions with frontage along a public right of way shall be screened with a continuous hedge, 30" min at time of planting per Zoning Code 4.5.7.C.1



TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

CONCEPTUAL LANDSCAPE PLAN

KHA PROJECT 110790001	DATE 09/12/2024	SCALE AS SHOWN	DESIGNED BY	WDW	DRAWN BY	WDW	CHECKED BY	WDW
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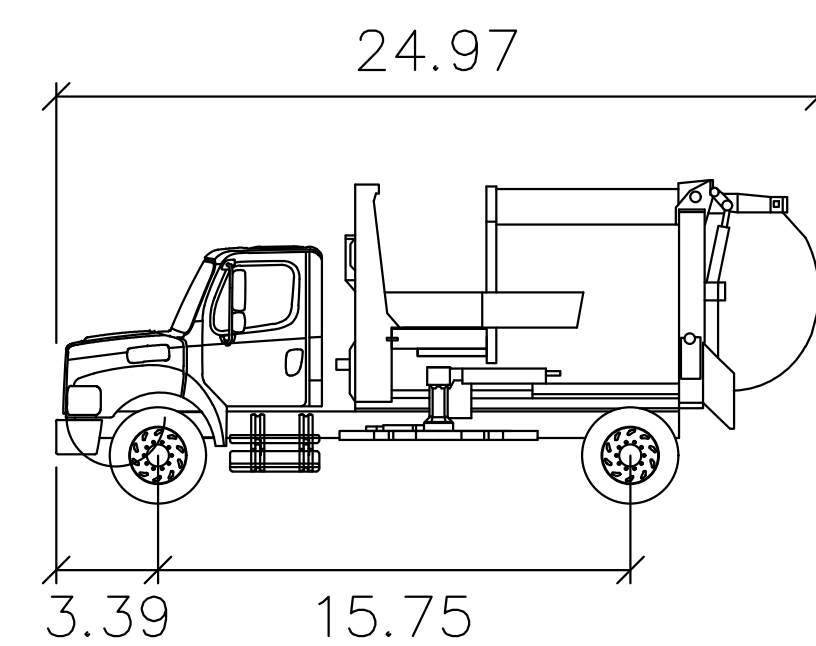
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WWW.KIMLEY-HORN.COM

	Yes
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DATE _____

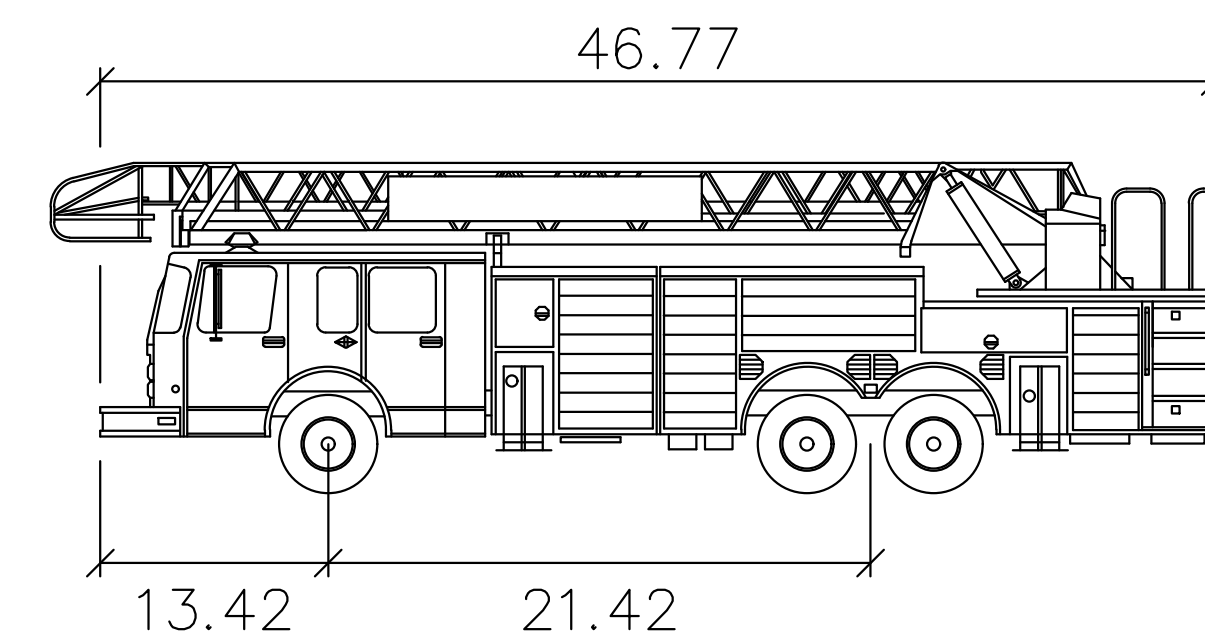
FAIRFAX BOULEVARD — U.S. RTE. 50
VARIABLE WIDTH RIGHT-OF-WAY



Wayne AutoCat

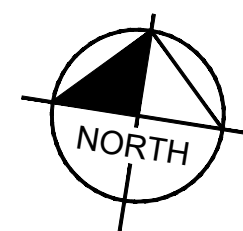
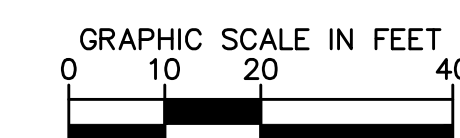
	feet
Width	: 8.17
Track	: 7.97
Lock to Lock Time	: 6.0
Steering Angle	: 47.1

FAIRFAX BOULEVARD — U.S. RTE. 50
VARIABLE WIDTH RIGHT-OF-WAY



City of Fairfax Tower Ladder 403

	feet
Width	: 10.17
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 39.1



TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

CITY OF FAIRFAX

TRUCK TURNING MOVEMENTS

KHA PROJECT 110790001	DATE 09/12/2024	SCALE AS SHOWN	DESIGNED BY AR	DRAWN BY AR	CHECKED BY CMH
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No.	Item	Unit	Quantity	Unit Price	Total Price
1
2
3
4
5
6
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90	

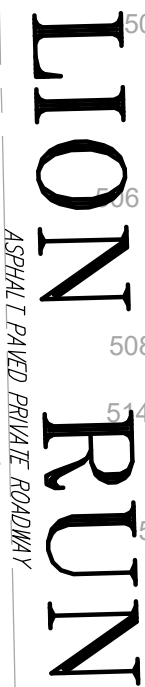
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DATE _____

BY

VARIABLE WIDTH RIGHT-OF-WAY

ASPHALT PAVED PUBLIC ROADWAY
4-LANE DIVIDED HIGHWAY WITH MEDIAN
LANE WIDTH - 26' TO 37'
TWO WAY TRAFFIC



PROP.
BUILDING
4,553 SF

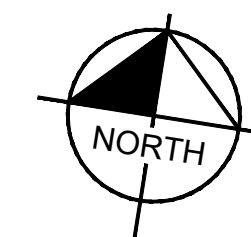
Legend:

- PROPERTY LINE
- BUILDING SETBACK LINE
- LANDSCAPE BUFFER LINE
- LOD LIMITS OF DISTURBANCE (79,600 SF OR 1.83 ACRES)
- XXX EXISTING CONTOUR
- XXX PROPOSED CONTOUR
- X XX PROPOSED SLOPE
- XXXXX PROPOSED SPOT ELEVATION

ME	MATCH EXISTING
LP	LOW POINT
TC	TOP OF CURB
FC	FACE OF CURB
FFE	FINISHED FLOOR ELEVATION

(UNLABELED SPOT ELEVATIONS ARE ASSUMED TO BE AT THE FLOWLINE)

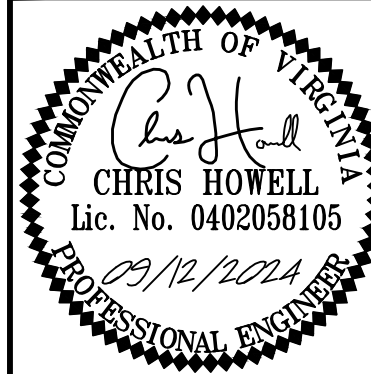
THIS PRELIMINARY GRADING PLAN REFLECTS THE PROPOSED
ROUGH GRADED CONDITIONS FOR THE SITE. IT IS INTENDED TO GIVE
A GENERAL INDICATION OF HOW THE SITE WILL INTERACT WITH THE
ADJACENT TOPOGRAPHY. IT IS NOT INTENDED TO DEMONSTRATE
COMPLIANCE WITH ADA REGULATIONS.



CITY OF FAIRFAX

PRELIMINARY GRADING PLAN

KHA PROJECT 110790001	DATE 09/12/2024	SCALE AS SHOWN	DESIGNED BY CMH	DRAWN BY EPR	CHECKED BY CMH
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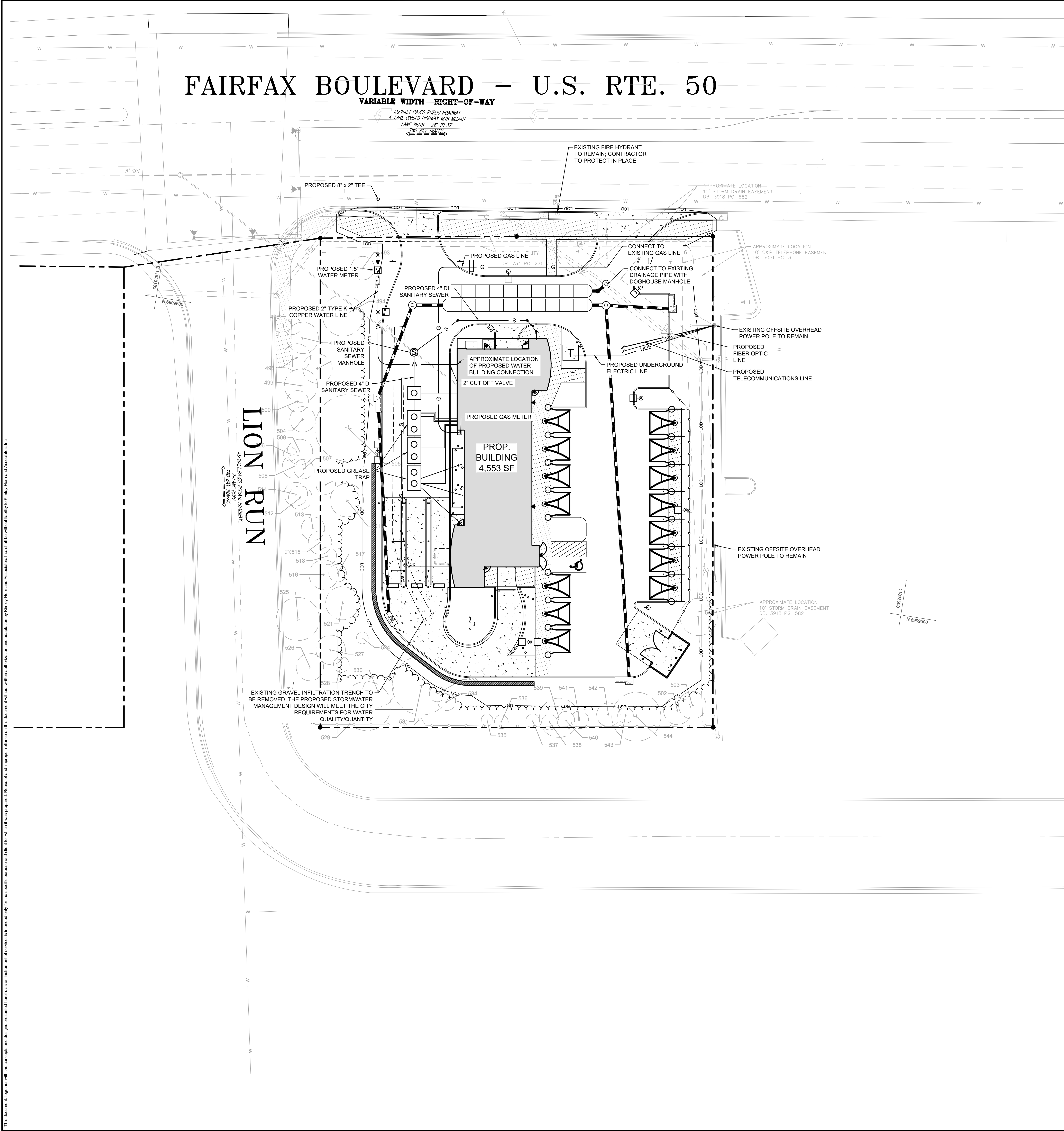
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3Y

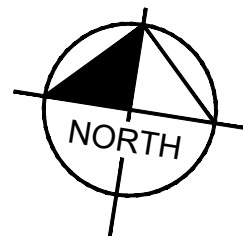
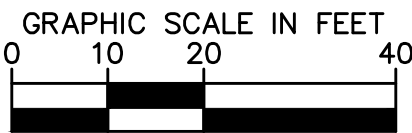


SITE LEGEND

- PROPERTY LINE
- W — WATER LINE
- S — SANITARY SEWER LINE
- UGE — ELECTRIC
- FO — FIBER OPTIC
- G — GAS
- T — TELECOMMUNICATION
- ☆ LIGHT POLE
- M WATER METER
- SANITARY SEWER CLEANOUT (SSCO)
- ⊙ SANITARY SEWER MANHOLE (SSMH)

NOTE

THIS PRELIMINARY UTILITY PLAN REFLECTS THE PROPOSED SCHEMATIC UTILITY DESIGN FOR THE SITE. UTILITY ROUTING AND CONNECTIONS ARE SUBJECT TO CHANGE DURING FINAL ENGINEERING DESIGN.



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COMMONWEALTH OF VIRGINIA

CHRIS HOWELL
Lic. No. 0402058105
Professional Engineer

KHA PROJECT
110730001

DATE
09/12/2024

SCALE AS SHOWN

DESIGNED BY CMH

DRAWN BY EFR

CHECKED BY CMH

PRELIMINARY UTILITY PLAN

TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

VIRGINIA
CITY OF FAIRFAX

SHEET NUMBER
8

REVISIONS

DATE

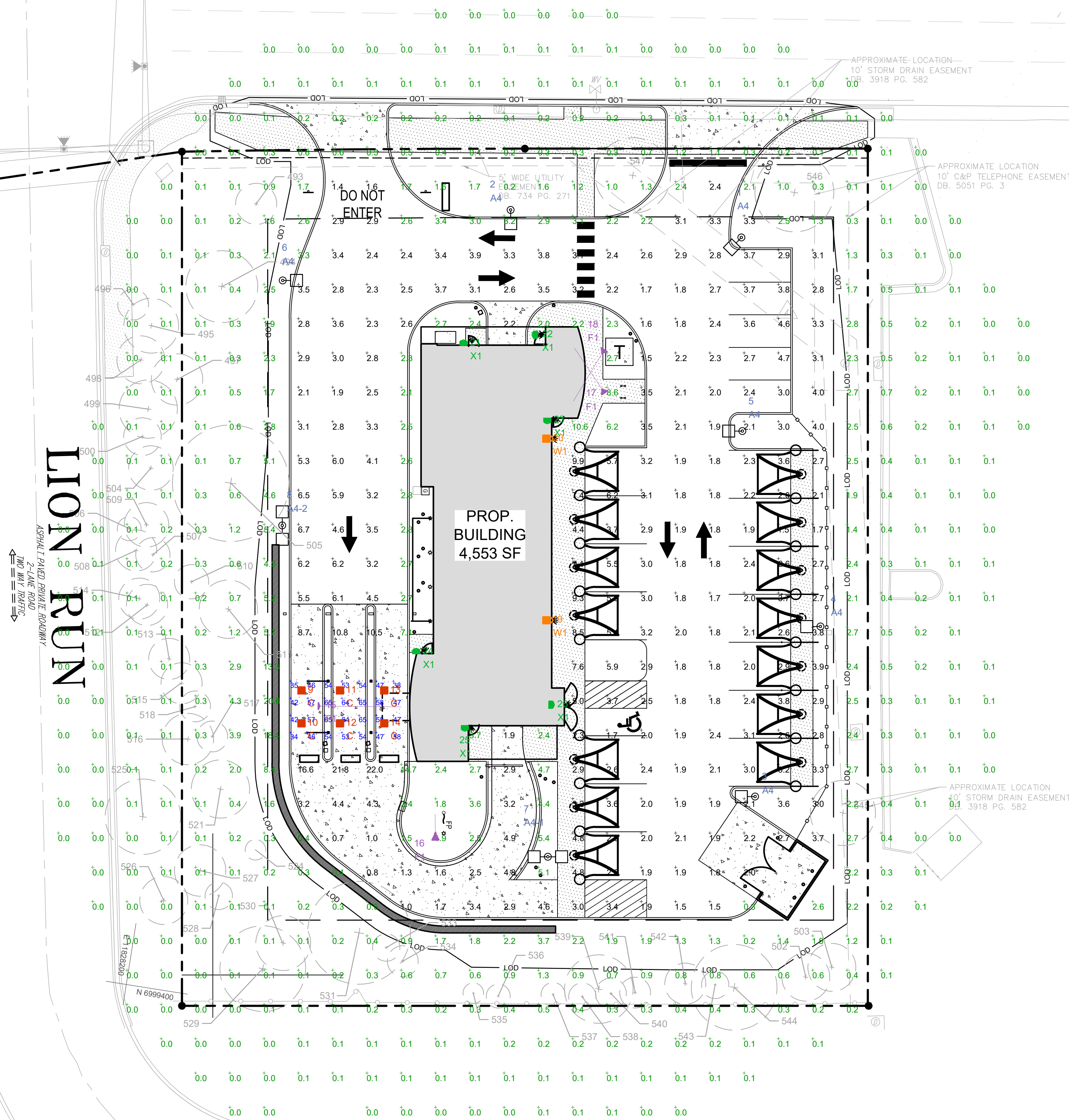
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FAIRFAX BOULEVARD – U.S. RTE. 50

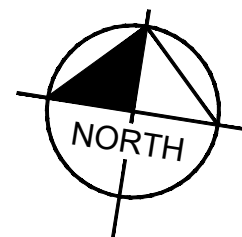
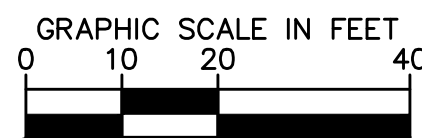
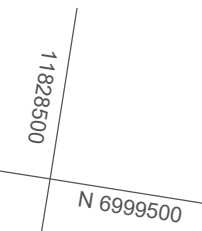
VARIABLE WIDTH RIGHT-OF-WAY

ASPHALT PAVED PUBLIC ROADWAY
4-LANE DIVIDED HIGHWAY WITH MEDIAN
LANE WIDTH – 26' TO 31'
LEFT WAY PAVEMENT



LINE TABLE		
LINE	LENGTH	BEARING

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD
C1	5690.00'	100.00'	S80°27'02"W	100.0



ALL FIXTURES WILL BE FULL CUTOFF.

AREA LIGHTS ON NEW 17 FT. POLES MOUNTED ON 3 FT. CONCRETE BASES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES

LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	3.41	22.0	0.7	4.87	31.43
UNDEFINED	0.87	20.6	0.0	N.A.	N.A.
UNDER CANOPY	51.75	65	34	1.52	1.91

LUMINAIRE SCHEDULE

SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	6	A4	Single	8574	1.030	B1-U0-G2	72	432	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX-Q9 + OSQ-BLSMF
	1	A4-1	Back-Back	8574	1.030	B1-U0-G2	72	144	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX-Q9 + OSQ-BLSMF
	1	A4-2	Twin	8574	1.030	B1-U0-G2	72	144	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-11L-57K7-4M-UL-NM-XX-Q9 + OSQ-BLSMF
	6	C	Single	11280	1.030	B3-U0-G0	101	606	CREE, INC.	CAN-304-PS-XX-06-E-UL-XX-525-57K-DIM
	4	F1	Single	4330	1.040	B2-U0-G0	37	148	CREE, INC.	FLD-EDG-N6-AA-02-E-UL-XX-525-57K
	2	W1	Single	12678	1.030	B3-U0-G2	134	268	Cree Inc.	SEC-EDG-4M-WM-06-E-UL-XX-700-57K-DIM
	6	X1	Single	657	1.000	N.A.	6	36	BARRON LGHTING GROUP	SLW-15-4K-XX-EM

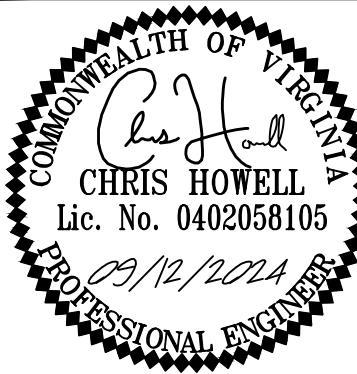
LUMINAIRE LOCATION SUMMARY

LUM NO.	LABEL	MTG. HT.
1	A4	20
2	A4	20
3	A4	20
4	A4	20
5	A4	20
6	A4	20
7	A4-1	20
8	A4-2	20
9	C	15
10	C	15
11	C	15
12	C	15
13	C	15
14	C	15
15	F1	18.5
16	F1	1
17	F1	1
18	F1	1
19	W1	15
20	W1	15
21	X1	9
22	X1	9
23	X1	9
24	X1	9
25	X1	9
26	X1	9

TOMMY'S CAR WASH
9917 FAIRFAX BLVD
PREPARED FOR
OLYMPUS PINES

PHOTOMETRIC PLAN

KHA PROJECT
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EPR
CHECKED BY
CMH



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VIRGINIA

