

ZONING COMPLIANCE PERMIT SUBMITTAL FOR

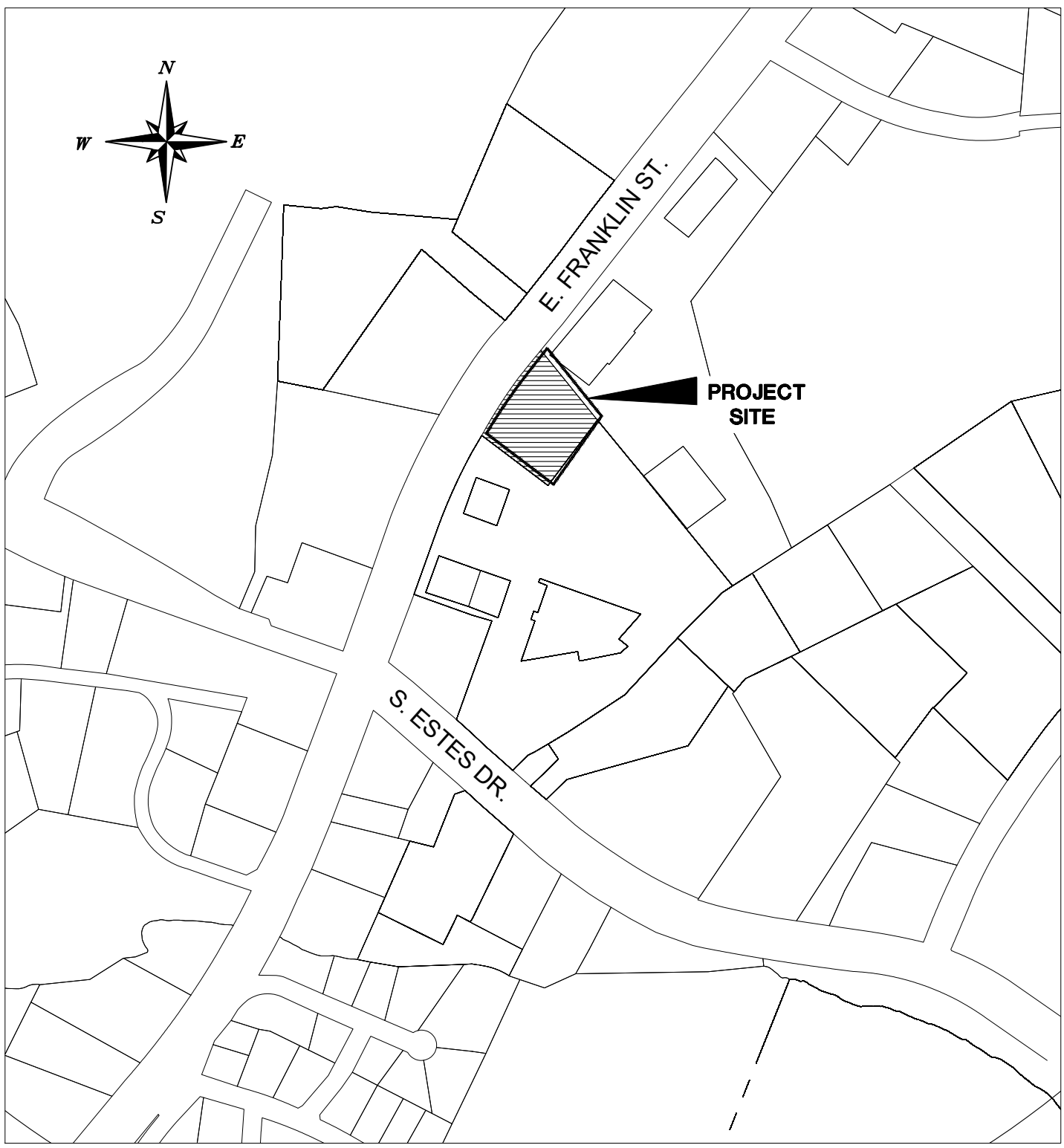
VALVOLINE INSTANT OIL CHANGE

1510 E. FRANKLIN STREET, UNIT 500
CHAPEL HILL, NORTH CAROLINA 27601

A DEVELOPMENT BY: VALVOLINE
8000 TOWER POINT DRIVE
CHARLOTTE, NORTH CAROLINA 28277

ZONING COMPLIANCE PERMIT NARRATIVE

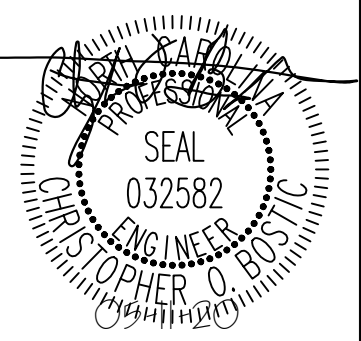
THE PROPOSED DEVELOPMENT AT THE SUBJECT PROPERTY IS A CHANGE OF USE FROM AN EXISTING 2,000 SF MONTESSORI SCHOOL TO A PROPOSED 1,600 SF VALVOLINE INSTANT OIL CHANGE. THE SITE SHARES PARKING WITH THE ADJACENT PEP BOYS AND THE PROPOSED DEVELOPMENT WILL REDUCE PARKING BY 2 SPACES, FROM 29 TO 27. EXISTING UTILITY SERVICES WILL BE UTILIZED, AND STORMWATER DRAINAGE PATTERNS WILL REMAIN THE SAME. OVERALL IMPERVIOUS SURFACE AREA WILL BE REDUCED BY 1,902 SF.



AREA MAP

Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C1.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	SITE PLAN
C3.0	GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C4.0	UTILITY PLAN
C5.0	SITE DETAILS
C6.0	UTILITY DETAILS
C7.0	DRAINAGE AND EROSION CONTROL DETAILS
C8.0	CONSTRUCTION STAGING, PARKING, STORAGE AND TRAILER PLAN
L1.0	LANDSCAPE PLAN
ES-1 - ES-3	LIGHTING PLAN
1-4	BUILDING ELEVATIONS
BM-113 PG-167	RECORDED PLAT

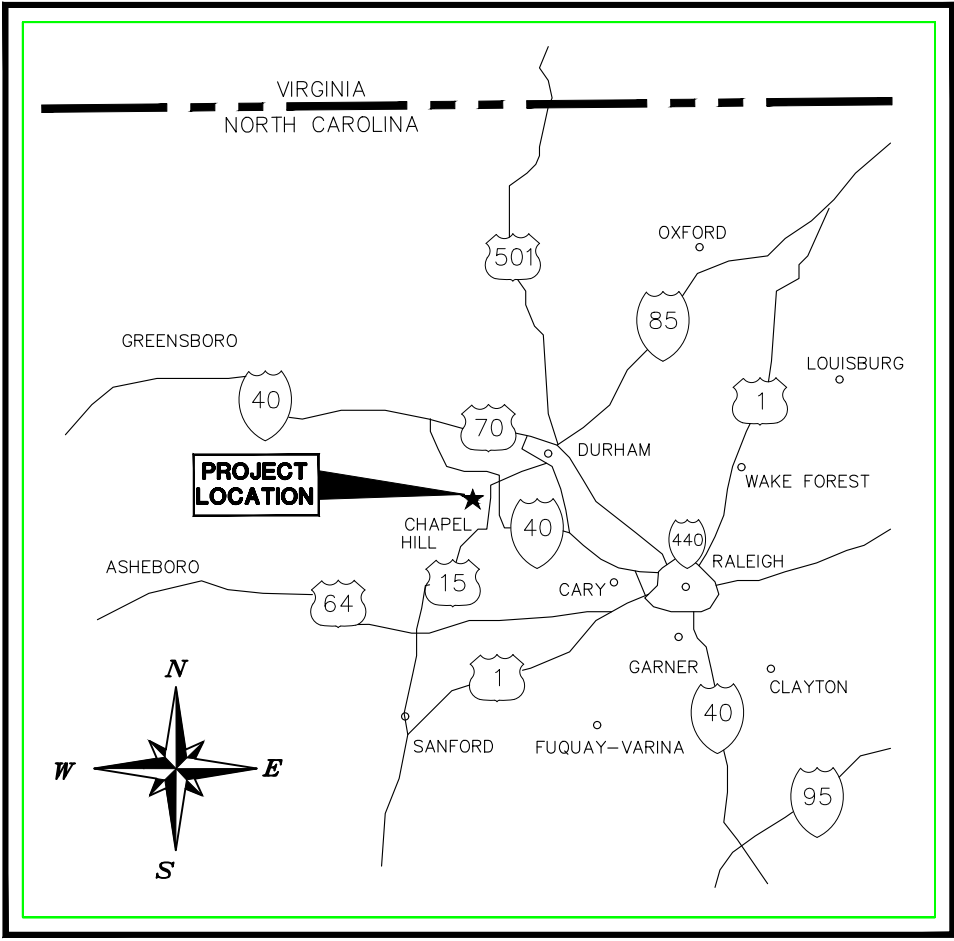


KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
018852005	11/20/2019	AS SHOWN	W/H	W/H	COB

COVER SHEET

VALVOLINE CHAPEL HILL
PREPARED FOR
VALVOLINE
CHAPEL HILL NORTH CAROLINA

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NOVEMBER 20, 2019	JOB NUMBER:	018852005
	SHEET NUMBER	C0.0



PROJECT LOCATION
NTS

SURVEY NOTE:

EXISTING INFORMATION TAKEN FROM SURVEY BY J. HENRY WALKER III, 1115-D LITTLE ST. P.O. BOX 1295 CAMDEN, SC 29021. PHONE: 803-425-0702 AND DATED NOVEMBER 4, 2014 AND TAKEN FROM PEPBOYS AUTO PLANS BY GENESIS NORTH CAROLINA, LLP, 1330 LADY ST., SUITE 405, COLUMBIA, SC 29201. PHONE: 803-744-4500 AND DATED JUNE 4, 2013.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

PROJECT OWNER AND CONSULTANT

SITE DEVELOPER:	VALVOLINE 8000 TOWER POINT DRIVE CHARLOTTE, NC 28277 PHONE: (704)655-1018 ATTN.: MICHAEL SLATTERY mslattery@ncvioc.com
CIVIL ENGINEER:	KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 PHONE: (919) 653-2927 ATTN.: CHRIS BOSTIC, P.E. chris.bostic@kimley-horn.com
LANDSCAPE ARCHITECT:	KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 PHONE: (919) 653-2945 ATTN.: DAN GREENBERG, PLA dan.greenberg@kimley-horn.com
SURVEYOR:	J. HENRY WALKER III, P.L.S. P.O. BOX 1295 CAMDEN, NC 29021 PHONE: (803) 425-0702

SITE DATA	
PROPERTY INFORMATION	
EXISTING ZONING:	CC (COMMUNITY COMMERCIAL)
EXISTING USE:	DAY-CARE
TOTAL SITE AREA:	NET LAND AREA: 0.81 AC (35,446 SF) GROSS LAND AREA: 0.90 AC (38,991 SF)
BUILDING SETBACKS:	REQUIRED: PRIMARY STREET = 22' INTERIOR = 8' SOLAR = 9' PROPOSED: PRIMARY STREET = 39' INTERIOR = 24' SOLAR = 90'
PROJECT DATA	
PROPOSED USE:	AUTO REPAIR - LESS COLLISION AND PAINTING
PIN#	A: 9799032752, B: 9799031693
PROPOSED # OF BUILDINGS	1
FLOOR AREA RATIO:	0.2016 (1,146 / 35,446 SF)
MAX FAR ALLOWED IN CC DISTRICT:	0.429
PARKING:	REQUIRED: 27 SPACES (CHAPEL HILL LUMO-5.9%) 3 SPACES/BAY (DURHAM-VEHICLE SERVICE) 6 BAYS (PEP BOYS) = 18 SPACES 2 BAYS (VALVOLINE) = 6 SPACES PARKING PROVIDED: 27 SPACES TOTAL
HANDICAP PARKING	REQUIRED: 1 SPACE PROVIDED: 2 SPACES TOTAL (2 VAN ACCESSIBLE)
SHORT TERM BIKE PARKING:	REQUIRED: 4 SPACES (FOR <100,000 SF RETAIL) PROVIDED: 6 SPACES (EXISTING PEPBOYS BUILDING)
PROPOSED BUILDING HEIGHT:	30.0' MAX - SEE ELEVATIONS SHEETS
SITE IMPERVIOUS AREA:	MAXIMUM 70% EXISTING (PRE-DEV.): =25,553 SF (72.09%) PROPOSED (POST-DEV.): =23,651 SF (66.72%)



Know what's below.
Call before you dig.

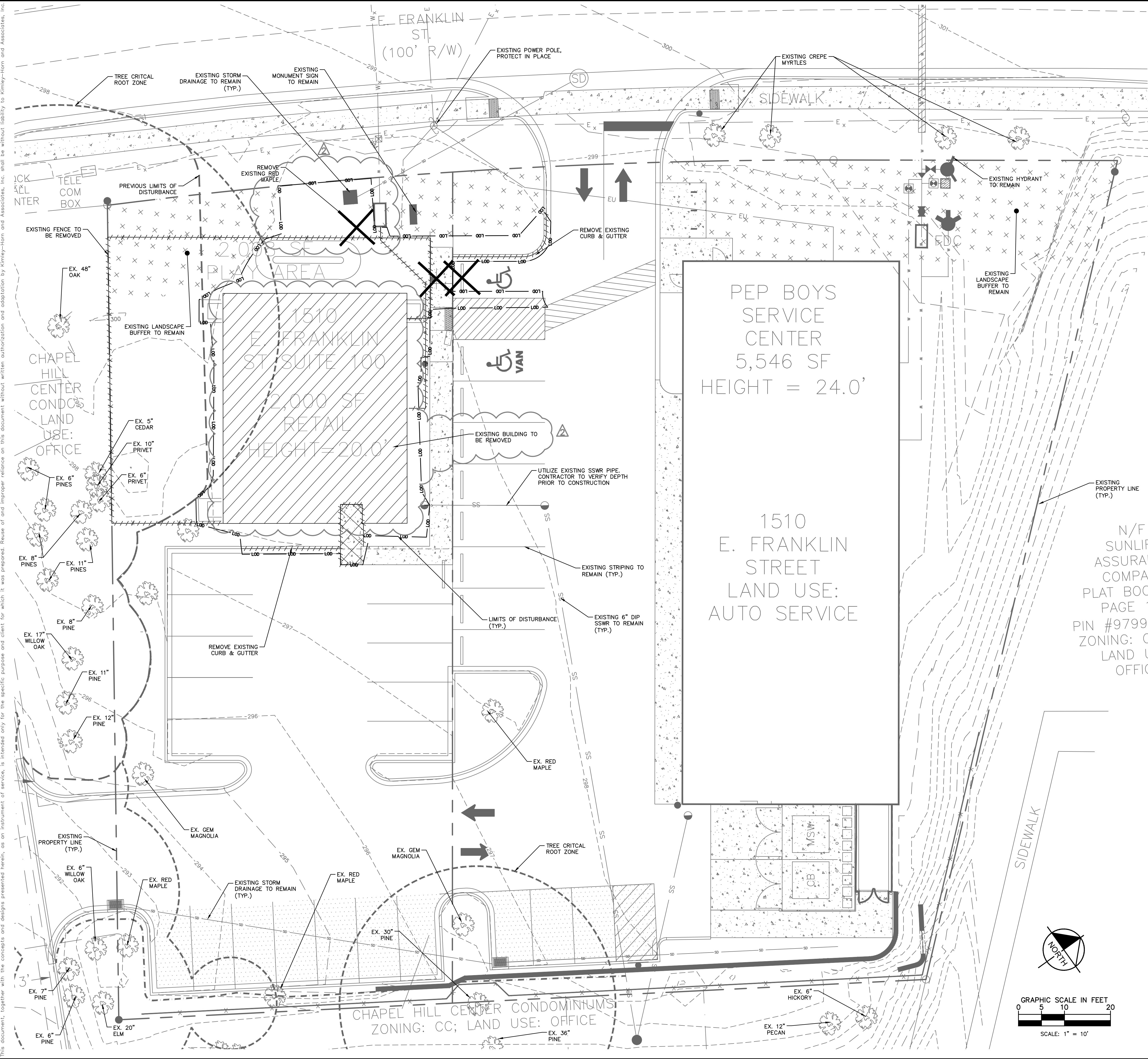
PREPARED IN THE OFFICE OF:

Kimley»Horn

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421 FAYETTEVILLE STREET - SUITE 600 - RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 677-2000

NC CERTIFICATE OF AUTHORIZATION: F-0102

Plotted By: hll, Wes. Sheet Set: Valvoline Chapel Hill. Layout: C1.0 EXISTING CONDITIONS AND DEMOLITION PLAN. May 11, 2020. 08:08:45am. K:\RAL\LDVA\018852005_valvoline_chapel_hill_planning_phase\c1.0_existing_conditions_and_demolition_plan.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



DEMOLITION LEGEND

CL

DEMOLISH SITE ITEM

DEMOLISH UNDERGROUND UTILITY

SAWCUT

DEMOLISH SITE ITEM/TREE TO BE REMOVED

BUILDINGS TO BE REMOVED

SIDEWALK/PAVEMENT TO BE REMOVED

EXISTING LANDSCAPE BUFFER TO REMAIN

PROPERTY LINE

CLEARING LIMITS

DEMOLISH SITE ITEM

DEMOLISH UNDERGROUND UTILITY

SAWCUT

DEMOLISH SITE ITEM/TREE TO BE REMOVED

BUILDINGS TO BE REMOVED

SIDEWALK/PAVEMENT TO BE REMOVED

EXISTING LANDSCAPE BUFFER TO REMAIN

- DEMOLITION NOTES:
1. ALL CONSTRUCTION AND DEMOLITION CONDUCTED SHALL BE IN COMPLIANCE OF THE CURRENT EDITION OF THE NC FIRE CODE, 2018 NCFC CHAPTER 33.

2. NO STEEP SLOPES EXIST WITHIN THE LIMITS OF DISTURBANCE.

3. THE PROCEDURE FOR COMPACTED SOIL REMEDIATION IS AS FOLLOWS:

3.1. REMOVE ALL IMPERVIOUS SURFACES FROM THE SUBJECT AREA.

3.2. TILL THE AREA TO A DEPTH OF 12" BELOW THE TOP OF COMPACTED SUBGRADE.

3.3. SUITABLE RATES AND TYPES OF SOIL AMENDMENTS SHALL BE DETERMINED THROUGH SOIL TESTS. LIMESTONE AND FERTILIZER SHALL BE APPLIED UNIFORMLY DURING SEEDBED PREPARATION AND MIXED WELL WITH THE TOP 4 TO 6 INCHES OF SOIL.

4. A DECONSTRUCTION ASSESSMENT CONDUCTED BY ORANGE COUNTY WATER AND SEWER STAFF MUST BE COMPLETED PRIOR TO THE ISSUANCE OF THE DEMOLITION PERMIT FOR THE BUILDING REMOVAL WORK.

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PHONE: 919-677-2000 FAX: 919-677-2050
WWW.KIMLEY-HORN.COM
#F-0102

SEAL

032582

REGISTERED PROFESSIONAL ENGINEER

STATE OF NORTH CAROLINA

01/01/2019

KHA PROJECT

018852005

DATE

11/20/2019

SCALE

AS SHOWN

DESIGNED BY

W/H

DRAWN BY

W/H

CHECKED BY

COB

EXISTING CONDITIONS AND DEMOLITION PLAN

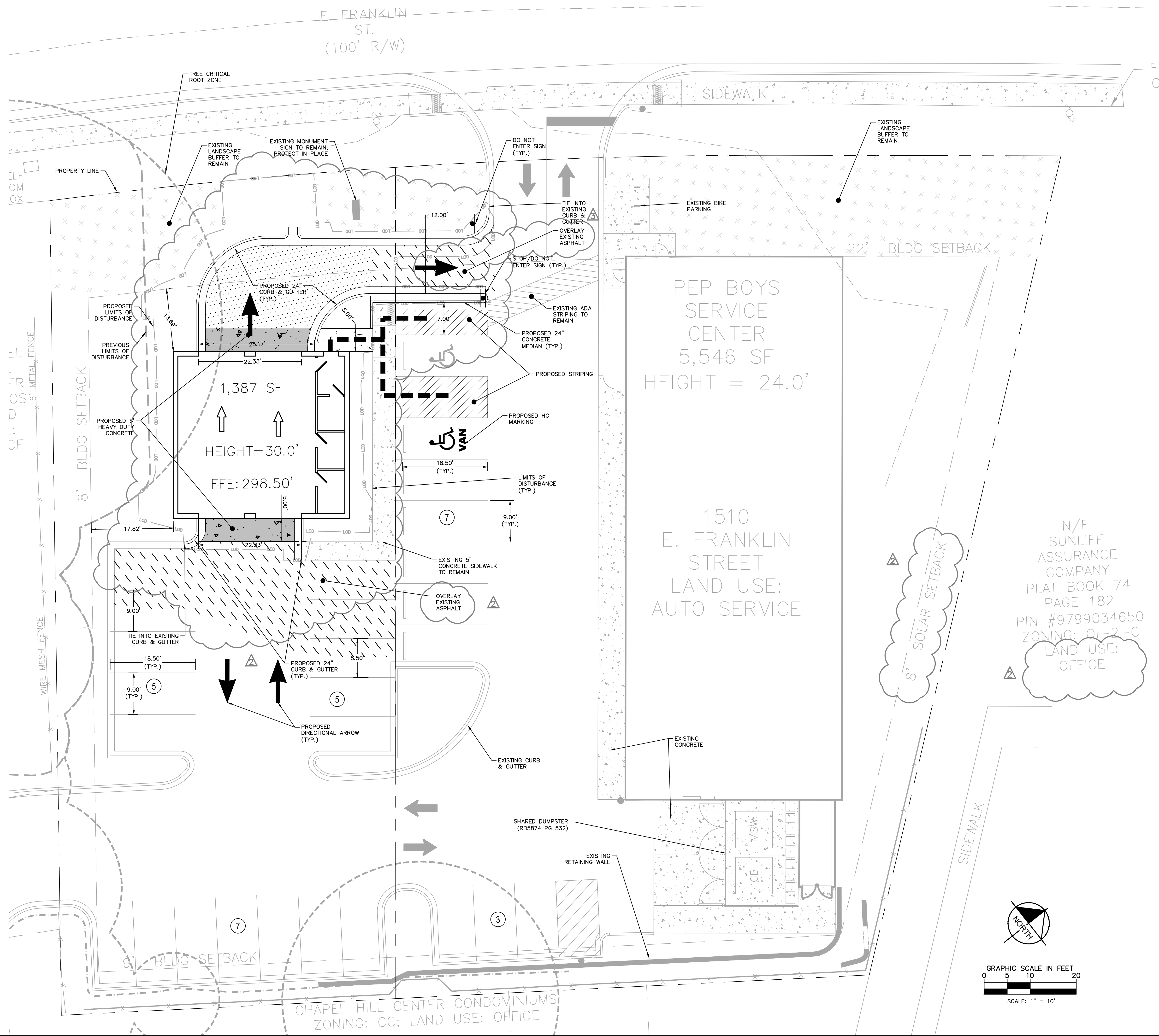
VALVOLINE CHAPEL HILL

PREPARED FOR VALVOLINE

NORTH CAROLINA

SHEET NUMBER

C1.0



SITE LEGEND

-
- The diagram illustrates a standard street cross-section with the following components from top to bottom:
- PROPERTY LINE**: Indicated by a dashed line.
 - EASEMENT LINE**: Indicated by a solid line.
 - FENCE**: Represented by a line with 'X' marks.
 - STANDARD CURB AND GUTTER**: A raised curb on the left side.
 - SPILL CURB AND GUTTER**: A raised curb on the right side.
 - PARKING SPACE COUNT**: A circle containing the number 8.
 - SIGN (SEE PLAN)**: A rectangular sign with a circle and a dot in the center.
 - LIGHT POLE**: A vertical pole supporting a sign.
 - WHEEL STOP**: A rectangular block.
 - ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)**: A square with a wheelchair symbol and a 'V'.
 - DIRECTIONAL PAVEMENT ARROWS**: Two arrows pointing left and right.
 - ACCESSIBLE RAMP**: A ramp with a square and a triangle.
 - DEPRESSED CURB RAMP**: A ramp with a square and a triangle, and a downward arrow.
 - PAVEMENT TYPES**:
 - LIGHT DUTY ASPHALT**: Represented by a stippled pattern.
 - STANDARD DUTY CONCRETE**: Represented by a pattern of small dots.
 - HEAVY DUTY CONCRETE**: Represented by a pattern of larger dots.
 - ASPHALT OVERLAY**: Represented by a pattern of diagonal lines.
 - EXISTING LANDSCAPE BUFFER TO REMAIN**: Represented by a pattern of small circles.
 - ADA PATH**: A path with a pattern of small squares.




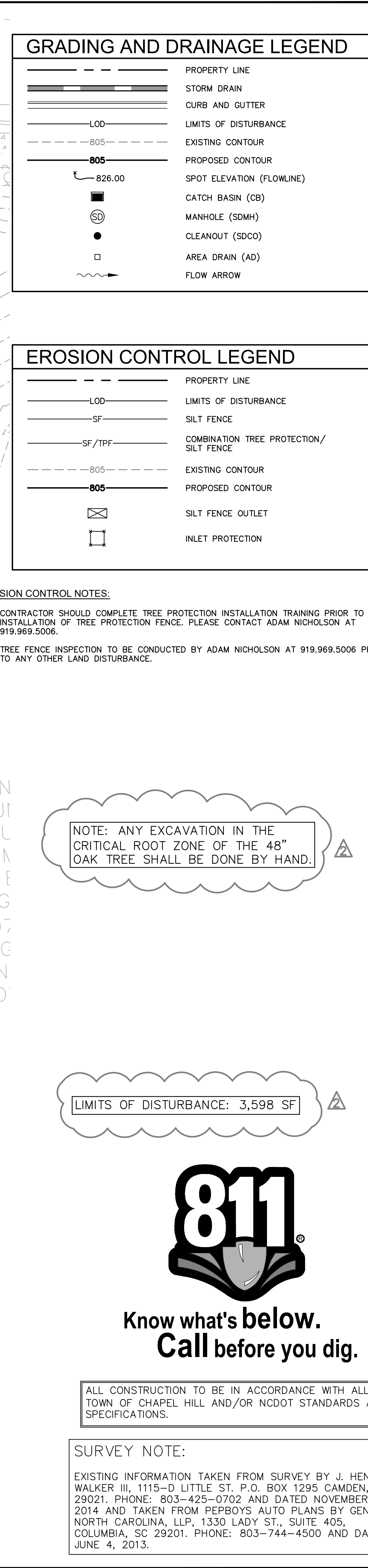
Know what's **below**.
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ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF CHAPEL HILL AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

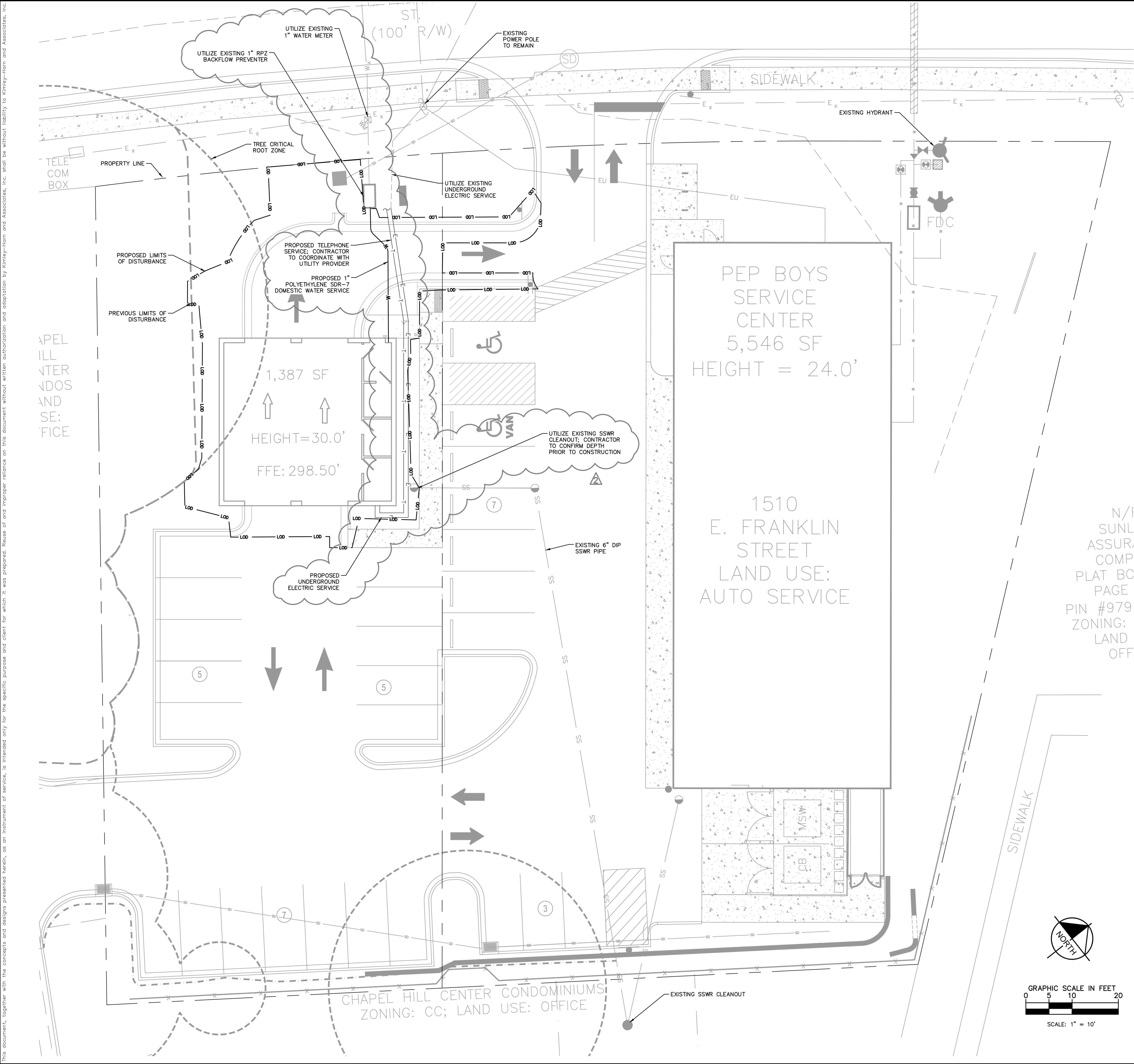
SURVEY NOTE:

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SHEET NUMBER C2.0	VALVOLINE CHAPEL HILL PREPARED FOR VALVOLINE CHAPEL HILL NORTH CAROLINA	SITE PLAN	KHA PROJECT 018852005		Kimley»»Horn © 2019, KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601 PHONE: 919-677-2000 FAX: 919-677-2050 WWW.KIMLEY-HORN.COM	1. ZCP COMMENTS 2. TOWN, NCDOT, OWASA, & COUNTY COMMENTS	NO. REVISIONS DATE BY
			SCALE AS SHOWN DESIGNED BY WWH DRAWN BY WWH CHECKED BY COB				



Plotted By: Hall, Wes Sheet Set: Valvoline Chapel Hill Layout: C4.0 UTILITY PLAN May 11, 2020 08:20:26am K:\RAL\DEVA\018852005_valvoline chapel hill\working phase\15-cad files\plansheets\C4.0 UTILITY PLAN.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



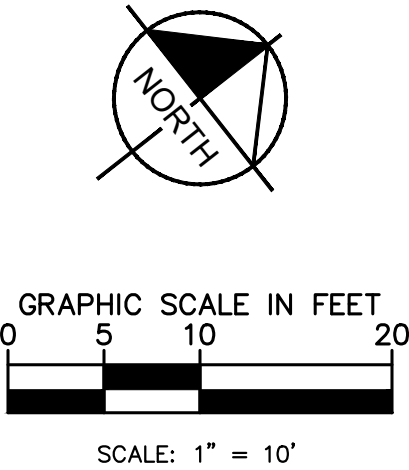
UTILITY LEGEND	
	PROPERTY LINE
	WATER LINE
	SANITARY SEWER LINE
	ELECTRIC
	LIGHT POLE
	WATER METER
	GATE VALVE
	POINT OF CONNECTION
	BACKFLOW PREVENTOR
	PIPE TEE/BENDS
	FIRE HYDRANT (FH)
	SANITARY SEWER CLEANOUT (SSCO)

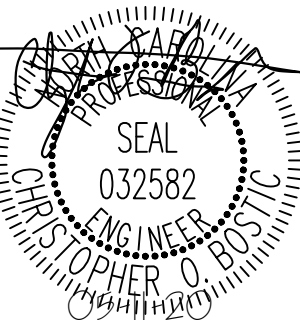


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VALVOLINE CHAPEL HILL PREPARED FOR VALVOLINE	UTILITY PLAN	KHA PROJECT 018852005 DATE 11/20/2019 SCALE AS SHOWN DESIGNED BY WWH DRAWN BY WWH CHECKED BY COB		Kimley»Horn © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601 PHONE: 919-677-2000 FAX: 919-677-2050 WWW.KIMLEY-HORN.COM #F-0102	TOWN, NCDOT, OWASA, & COUNTY COMMENTS	05-11-20 WWH
					ZCP COMMENTS	01-17-20 WWH
					REVISIONS	DATE
					BY	

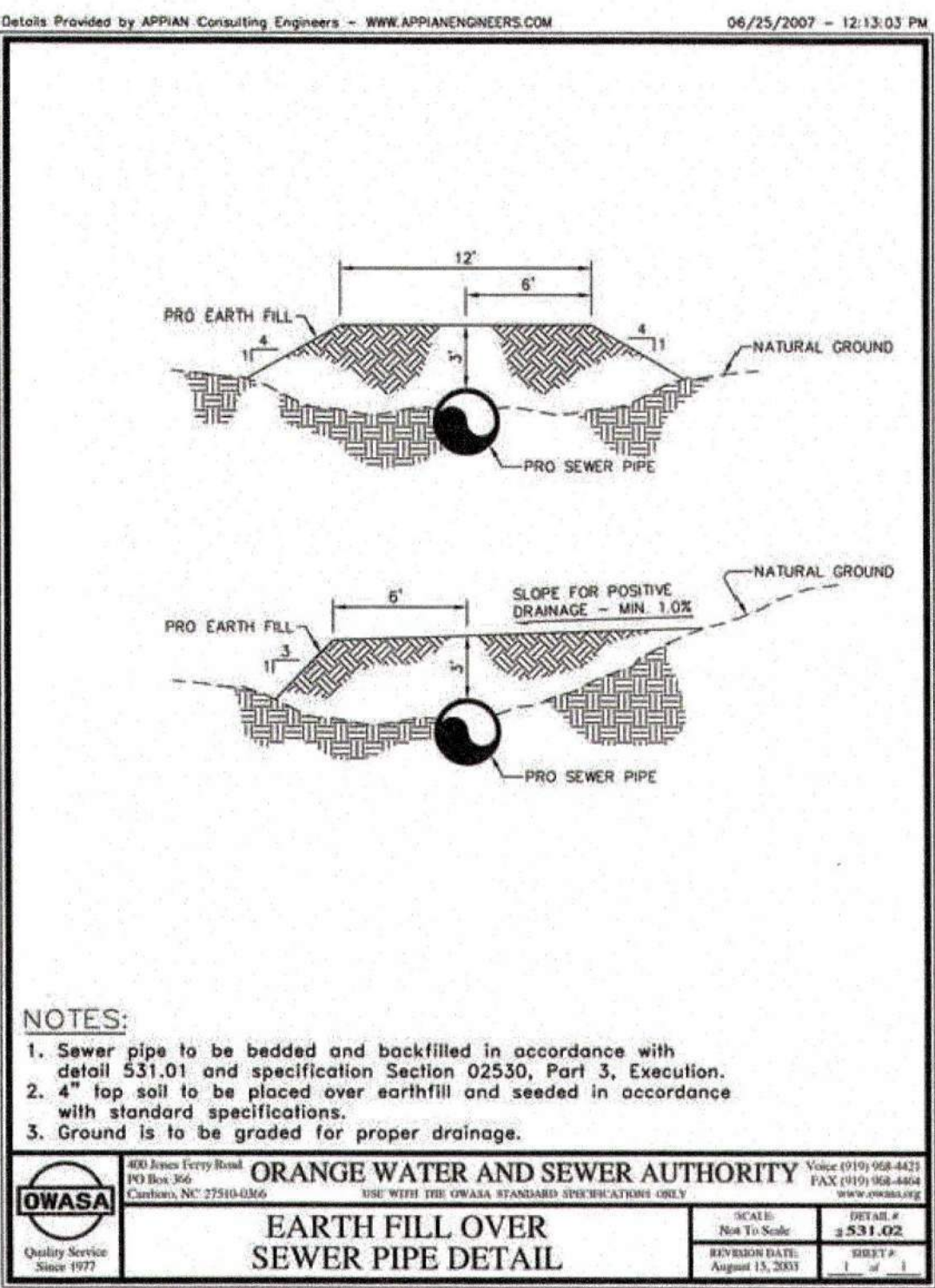
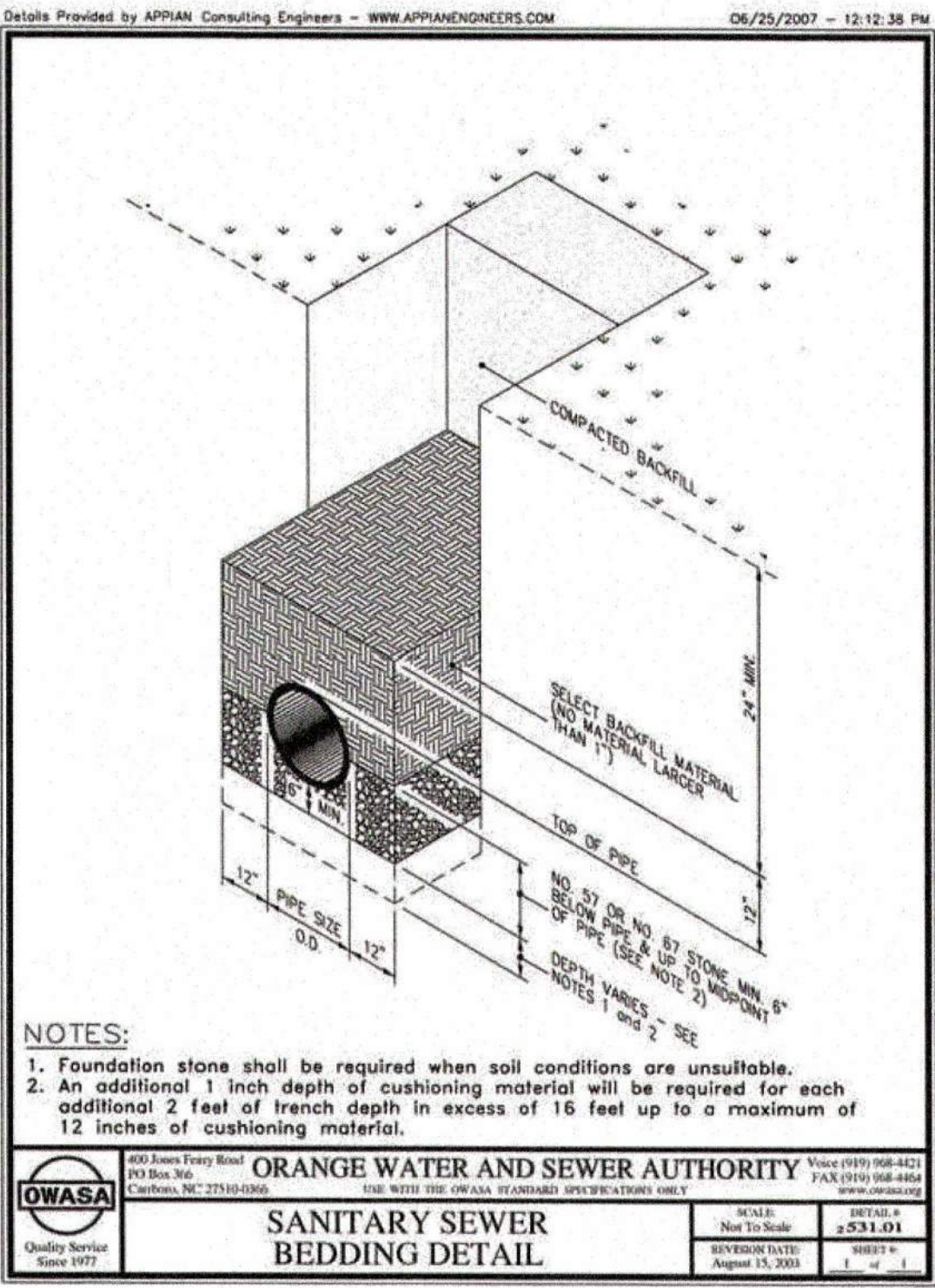
Plotted By: HILL, Was Sheet Set: Valvoline Chapel Hill Layout: C6.0 UTILITY DETAILS January 17, 2020 01:15:16pm K:\RAL_LDS\A\018552005_valvoline_chapel_hill_planning_phase\p15_c6d_files\plansheets\C6.0 UTILITY DETAILS.dwg
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VALVOLINE CHAPEL HILL				UTILITY DETAILS				KIMLEY»HORN			
PREPARED FOR VALVOLINE				NORTH CAROLINA				© 2010 KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601 PHONE: 919-677-2000 FAX: 919-677-2050 WWW.KIMLEY-HORN.COM #-0102			
SHEET NUMBER C6.0				CITY ZCP COMMENTS				REVISIONS			
				1				No.			
								DATE			
								BY			

ST. (100' R/W)

CHapel Hill Center ConDOS LAND USE: OFFICE

CHApel Hill Center ConDOMINIUMS ZONING: CC; LAND USE: OFFICE

PROPOSED CONSTRUCTION TRAILER LOCATION

PROPOSED STAGING AND STORAGE AREA

PROPOSED CONSTRUCTION WORKER AND TOWN INSPECTOR PARKING AREA

PROPOSED TEMPORARY CONSTRUCTION ACCESS

LIMITS OF DISTURBANCE

AVAILABLE PARKING DURING CONSTRUCTION

AVAILABLE PARKING DURING CONSTRUCTION

AVAILABLE PARKING DURING CONSTRUCTION

AVAILABLE PARKING DURING CONSTRUCTION

30'

SIDEWALK

FDC

MSW

CB

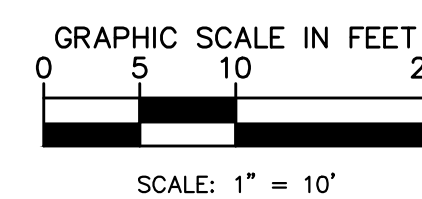
GRAPHIC SCALE 0 5


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N/F
SUNLIFE
ASSURANCE
COMPANY
PLAT BOOK 74
PAGE 182
PIN #9799034650
ZONING: OI-2-C
LAND USE:
OFFICE



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SHEET NUMBER	C8.0
VALVOLINE CHAPEL HILL PREPARED FOR VALVOLINE CHAPEL HILL NORTH CAROLINA	CONSTRUCTION STAGING, PARKING, STORAGE AND TRAILER PLAN
KHA PROJECT 016852005 DATE 11/20/2019 SCALE AS SHOWN DESIGNED BY WHH DRAWN BY WHH CHECKED BY COB	 <p>Kimley»Horn © 2019, KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601 PHONE: 919-677-2000 FAX: 919-677-2050 WWW.KIMLEY-HORN.COM #F-0102</p>
	TOWN, NCDOT, OWASA, & COUNTY COMMENTS
	ZCP COMMENTS
	REVISIONS
	No.
	BY DATE

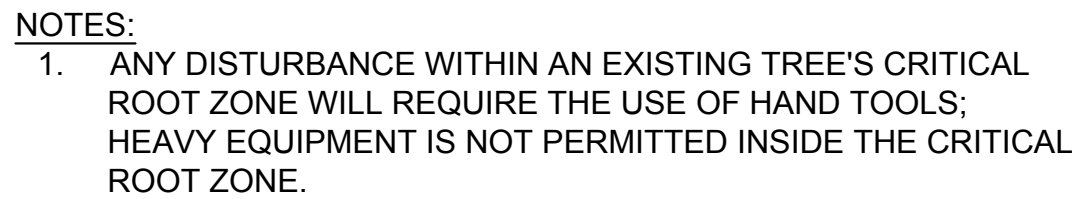


Diagram illustrating the planting of a tree in a hole. The tree is shown with its root ball wrapped in burlap. The hole is 3' in diameter and 1' deep. A 2-3' mulch layer extends over the berm. Labels indicate: 'REMOVE ALL TWINE, ROPE, WIRE, & BURLAP FROM TOP HALF OF ROOT BALL', 'PLAYING SOIL AS SPECIFIED, TAMPED FIRMLY TO PREVENT SETTLING', and 'UNDISTURBED OR PREPARED SUBGRADE'.

NOTES:

1. ROOT BALL TO BE SET SLIGHTLY ABOVE FINISHED GRADE.
2. PRUNE AS NEEDED TO RETAIN NATURAL SHRUB SHAPE.
3. FOR CONTAINER GROWN PLANTS, SPLIT THE ROOT BALL WITH FOUR EQUALLY SPAVED VERTICAL CUTS AND BUTTERFLY THE ENTIRE ROOT BALL.
4. PLANTING AREAS WITH MULTIPLE SHRUBS ARE TO BE SIZED SO THAT THE OUTER EDGE OF THE PLANTING SOIL IS AT LEAST EIGHT INCHES FROM THE NEAREST ROOT BALL.

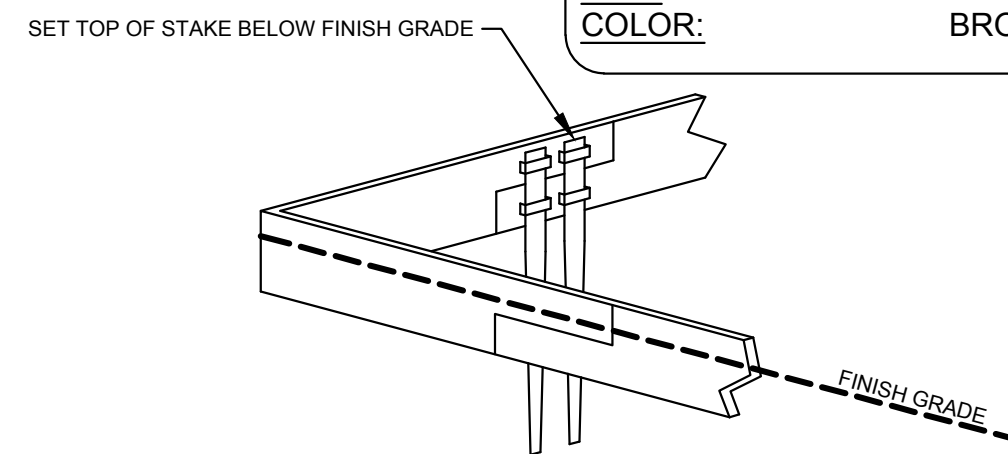
Diagram illustrating the correct method for planting a tree, showing the root ball, trunk flare, and surrounding soil/mulch. The diagram includes the following labels and instructions:

- MARK NORTH SIDE OF TREE IN NURSERY & PLANT TREE TO FACE NORTH
- PLANT EACH TREE SO TRUNK FLARE IS VISIBLE AT TOP OF ROOT BALL
- CUT WIRE BASKET IN 4 PLACES & FOLD DOWN INTO PLANTING HOLE. REMOVE ALL TWINE, ROPE, WIRE & BURLAP FROM TOP HALF OF ROOT BALL
- SET TOP OF ROOT BALL 1-2" HIGHER THAN SURROUNDING GRADE
- 6" MIN. MULCHING RING
- 4" HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL
- 2" MULCH. DO NOT PLACE MULCH IN CONTACT W/ TREE TRUNK
- PLANTING SOIL
- PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL
- TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT SO THAT ROOT BALL DOES NOT SHIFT

NOTES:

1. TREES WILL BE REJECTED IF TRUNK FLARE IS NOT VISIBLE AT TOP OF ROOT BALL.
2. DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS, & BROKEN OR DEAD BRANCHES. SOME INTERIOR TRIGS LATERAL BRANCHES MAY BE PRUNED, BUT DO NOT REMOVE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF CROWN.
3. STAKE OR WRAP TREE ONLY UPON APPROVAL OF LANDSCAPE ARCHITECT.
4. PLANTING SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH & NUTRIENT VALUES PRIOR TO ANY SOIL IMPROVEMENTS OR AMENDMENTS. SEE SPECIFICATIONS.

<u>STEEL EDGING PRODUCT DATA:</u>	
<u>MANUFACTURER:</u>	BORDER CONCEPTS, INC.
<u>PRODUCT:</u>	BORDER KING WITH 15" STEEL STAKES
<u>SIZE:</u>	1/4" THICKNESS X 5" HEIGHT
<u>COLOR:</u>	BROWN



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SHEET NUMBER
L1.0

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① SITE PLAN - ELECTRICAL LIGHTING PHOTOMETRICS
1" = 20'-0"

Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp
	C	16	TMS LIGHTING INC.	2W-19-LED-F05 16" DIAMETER ALUMINUM RLM REFLECTOR WHITE POLYESTER POWDER COAT ON INNER SURFACE 60 DEG. BEAM OPTIC	CALVIN WALL MOUNT LUMINAIRE	19W LED	9	2W-19LED.ies	236
	C1	4	Lithonia Lighting	WST LED P3 40K VF MVOLT	WST LED, Performance package 3, 4000 K, visual comfort forward throw, MVOLT	LED	1	WST_LED_P3_40K_VF_MVOLT.ies	6009
	B	3	Lithonia Lighting	KSF2 250M RSS (PROBE)	Specification Area Luminaire, 250W Metal Halide, R5 Square Reflector, Full Cutoff MEETS THE "NIGHTTIME FRIENDLY" CRITERIA	ONE 250-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	1	KSF2_250M_RSS_(PROBE).ies	20000
									Light Loss Factor
									0.9
									Wattage
									21.49

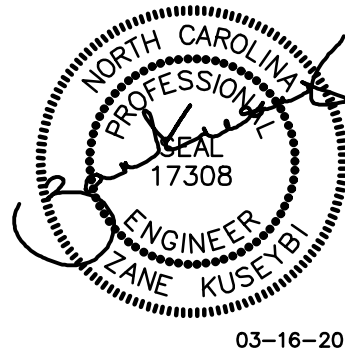
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #4	+	1.6 fc	11.8 fc	0.0 fc	N/A	N/A

Luminaire Locations												
			Location				Aim					
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z		
1	B	126.80	126.81	25.00	25.00	31.93	0.00	127.43	129.81	0.00		
2	B	154.76	191.49	25.00	25.00	33.28	0.00	155.43	192.48	0.00		
3	B	154.20	190.46	25.00	25.00	211.32	0.00	153.58	189.45	0.00		
3	C	92.26	208.07	10.00	10.00	0.00	0.00	92.26	208.07	0.00		
4	C	98.61	203.14	10.00	10.00	0.00	0.00	98.61	203.14	0.00		
5	C	105.23	197.95	10.00	10.00	0.00	0.00	105.23	197.95	0.00		
7	C	88.26	165.07	10.00	10.00	0.00	0.00	88.26	165.07	0.00		
8	C	104.46	186.22	10.00	10.00	0.00	0.00	104.46	186.22	0.00		
12	C	56.41	189.76	10.00	10.00	0.00	0.00	56.41	189.76	0.00		
4	C1	87.70	209.24	15.00	15.00	41.25	0.00	87.70	209.24	0.00		
15	C	77.36	166.55	10.00	10.00	0.00	0.00	77.36	166.55	0.00		
5	C1	99.70	199.89	15.00	15.00	36.56	0.00	99.70	199.89	0.00		
16	C	70.24	172.17	10.00	10.00	0.00	0.00	70.24	172.17	0.00		
17	C	63.07	177.53	10.00	10.00	0.00	0.00	63.07	177.53	0.00		
7	C1	94.60	176.29	10.00	10.00	128.00	0.00	94.60	176.29	0.00		
18	C	115.45	207.96	10.00	10.00	0.00	0.00	115.45	207.96	0.00		
8	C1	66.10	198.68	10.00	10.00	306.74	0.00	66.10	198.68	0.00		
19	C	108.48	288.84	10.00	10.00	0.00	0.00	108.48	288.84	0.00		
20	C	102.29	271.23	10.00	10.00	0.00	0.00	102.29	271.23	0.00		
21	C	176.35	214.27	10.00	10.00	0.00	0.00	176.35	214.27	0.00		
22	C	153.84	231.59	10.00	10.00	0.00	0.00	153.84	231.59	0.00		
23	C	132.15	248.75	10.00	10.00	0.00	0.00	132.15	248.75	0.00		
24	C	118.67	258.94	10.00	10.00	0.00	0.00	118.67	258.94	0.00		



1927 SOUTH TRYON STREET, SUITE 300
FARMINGTON, NC 27834
V: 704-338-1292 • F: 704-338-9974
WWW.OPTIMAPA.COM
NORTH CAROLINA LICENSE NUMBER C-0914

SEAL:



03-16-20

VALVOLINE OIL
SITE LIGHTING

1510 EAST FRANKLIN ST.
CHAPEL HILL, NC

REV #	DATE	DESCRIPTION
1	12-19-19	REVIEWER'S COMMENT
3	01-24-20	BUILDING LOCATION
4	03-16-20	PHOTOMETRICS REV

DATE: 01-15-20
PROJECT #: 19-0403
DRAWN BY: HM
DESIGNED BY: HM
CHECKED BY: ZK

SHEET TITLE:
SITE PLAN -
ELECTRICAL
LIGHTING
PHOTOMETRICS




DWG #:
ES-1

SHEET NO: 1 OF 3

2018 NORTH CAROLINA ENERGY CONSERVATION CODE COMMERCIAL ENERGY EFFICIENCY - ELECTRICAL SUMMARY	
501.1 METHOD OF COMPLIANCE	<input type="checkbox"/> NC SPECIFIC COMCHECK PROVIDED <input checked="" type="checkbox"/> 2012 NCECC CHAPTER 5 <input type="checkbox"/> NOT APPLICABLE BASED ON PROJECT SCOPE
501.2 APPLICATION COMPLIANCE	<input type="checkbox"/> 506.2.1 EFFICIENT MECH EQUIPMENT <input type="checkbox"/> 506.2.2 REDUCED L10 DENSITY <input type="checkbox"/> 506.2.3 ENERGY RECOVERY SYSTEMS <input type="checkbox"/> 506.2.4 HI EFFICIENCY DOMESTIC HW <input type="checkbox"/> 506.2.5 ONSITE RENEWABLE ENERGY <input type="checkbox"/> 506.2.6 DAYLIGHTING CONTROLS <input type="checkbox"/> NOT APPLICABLE BASED ON PROJECT SCOPE
502 - INTERIOR LIGHTING CONTROLS (MANDATORY REQUIREMENTS):	<input type="checkbox"/> INTERIOR LIGHTING SYSTEMS ARE PROVIDED WITH CONTROLS AS REQUIRED PER SECTION 505.2, EXCEPT WHERE EXEMPT. <input checked="" type="checkbox"/> NOT APPLICABLE
503 - TANDEN WIRING (MANDATORY REQUIREMENTS):	<input type="checkbox"/> FLUORESCENT LUMINAIRES LOCATED WITHIN THE SAME AREA ARE TANDEN WIRED AS REQUIRED PER SECTION 505.3, EXCEPT WHERE EXEMPT. <input checked="" type="checkbox"/> NOT APPLICABLE
504 - EXIT SIGNS (MANDATORY REQUIREMENTS):	<input type="checkbox"/> INTERNALLY ILLUMINATED EXIT SIGNS DO NOT EXCEED 5 WATTS PER SIDE. <input checked="" type="checkbox"/> NOT APPLICABLE
505.5 - INTERIOR LIGHTING POWER REQUIREMENTS (PRESCRIPTIVE) (NON-EXEMPT):	<input checked="" type="checkbox"/> NOT APPLICABLE PER 2012 NCECC 101.4.3, EXCEPTION 1.6. 505.5.1 - TOTAL CONNECTED INTERIOR LIGHTING POWER: ____ WATTS SPECIFIED ____ WATTS ALLOWED (REDUCTION OF SPECIFIED VS. ALLOWED (APPLICABLE IF 506.2.2 IS SELECTED))
505.5.2 - TOTAL ALLOWABLE INTERIOR LIGHTING POWER:	METHOD OF COMPLIANCE: <input type="checkbox"/> BUILDING AREA METHOD <input type="checkbox"/> SPACE-BY-SPACE METHOD WATTS ALLOWED
505.6.1 - EXTERIOR BUILDING GROUNDS LIGHTING:	LAMPS OPERATING AT GREATER THAN 100 WATTS FOR EXTERIOR BUILDING GROUNDS LUMINAIRES HAVE A MINIMUM EFFICACY OF 60 LUMENS PER WATT, EXCEPT WHERE EXEMPT. <input checked="" type="checkbox"/> NOT APPLICABLE
505.6.2 - EXTERIOR BUILDING LIGHTING POWER (NON-EXEMPT):	<input type="checkbox"/> NOT APPLICABLE TOTAL CONNECTED EXTERIOR LIGHTING POWER: ____ WATTS SPECIFIED TOTAL ALLOWABLE EXTERIOR LIGHTING POWER: ____ WATTS ALLOWED
505.6.3 - SHIELDING OF EXTERIOR BUILDING LIGHTING FIXTURES:	<input checked="" type="checkbox"/> ONLY FULLY SHIELDED EXTERIOR BUILDING LIGHTING FIXTURES ARE PROVIDED, EXCEPT WHERE EXEMPT. <input type="checkbox"/> ALTERNATIVE EXTERIOR BUILDING LIGHTING FIXTURES ARE PROVIDED FOR GREATER ENERGY EFFICIENCY OVER FULLY SHIELDED EXTERIOR BUILDING LIGHTING FIXTURES. <input checked="" type="checkbox"/> NOT APPLICABLE
505.7 - ELECTRICAL ENERGY CONSUMPTION (DWELLING UNITS):	<input type="checkbox"/> SEPARATE TENANT METERING TO DETERMINE ELECTRICAL ENERGY CONSUMPTION HAS BEEN PROVIDED FOR BUILDINGS HAVING INDIVIDUAL DWELLING UNITS. <input checked="" type="checkbox"/> NOT APPLICABLE

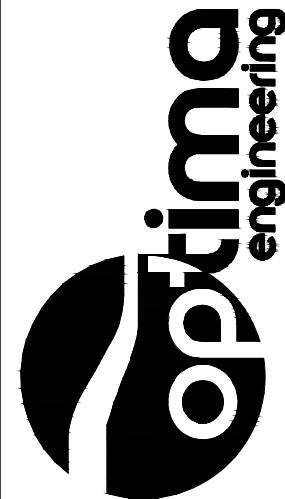
THIS DRAWING IS AN INSTRUMENT OF SERVICE. THE DRAWING AND THE INFORMATION THEREON IS THE PROPERTY OF OPTIMA ENGINEERING, P.A. ANY REPRODUCTION, ALTERATION, OR USE FOR OTHER THAN THE INTENDED PROJECT WITHOUT THE WRITTEN CONSENT OF OPTIMA ENGINEERING, P.A. IS EXPRESSLY FORBIDDEN. COPYRIGHT © 2015 OPTIMA ENGINEERING, P.A.

1 SITE PLAN - ELECTRICAL LIGHTING PHOTOMETRICS (EXISTING)
1" = 20'-0"

Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	C	16	TMS LIGHTING INC.	2W-19LED-F05 19" DIAMETER ALUMINUM RLM REFLECTOR WHITE POLYESTER POWDER COAT ON INNER SURFACE 90 DEG. BEAM OPTIC	CALVIN WALL MOUNT LUMINAIRE	19W LED	9	2W-19LED.lvs	236	0.9	2149
	C1	4	Lithonia Lighting	WST LED P3 40K VF MVOLT	WST LED, Performance package 3, 4000 K, visual comfort forward throw, MVOLT	LED	1	WST_LED_P3_40K_VF_MVOLT.lvs	6609	0.9	50
	B	3	Lithonia Lighting	KSF2 250M RSS (PROBE)	Specification Area Luminaire, 250W Metal Halide, RS Square Reflector, Full Cutoff MEETS THE NIGHTTIME FRIENDLY CRITERIA	ONE 250-WATT CLEAR BT-26 METAL HALIDE, HORIZONTAL POSITION.	1	KSF2_250M_RSS_(PROBE).lvs	20000	1	297

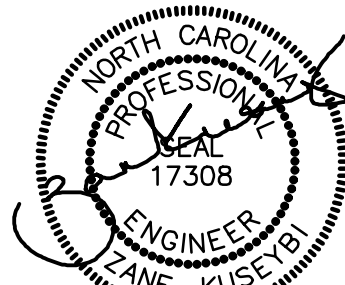
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #4	+	1.6 fc	11.8 fc	0.0 fc	N/A	N/A

Luminaire Locations										
Location							Aim			
No.	Label	X	Y	Z	MH	Orientation	TIR	X	Y	Z
1	B	126.80	128.81	25.00	25.00	31.93	0.00	127.43	129.81	0.00
2	B	154.76	191.49	25.00	25.00	33.28	0.00	155.43	192.46	0.00
3	B	154.20	190.46	25.00	25.00	211.32	0.00	153.58	189.45	0.00
3	C	-176.39	240.21	10.00	10.00	0.00	0.00	-176.39	240.21	0.00
4	C	-170.04	235.28	10.00	10.00	0.00	0.00	-170.04	235.28	0.00
5	C	-163.43	230.08	10.00	10.00	0.00	0.00	-163.43	230.08	0.00
7	C	-180.39	197.21	10.00	10.00	0.00	0.00	-180.39	197.21	0.00
8	C	-164.20	216.36	10.00	10.00	0.00	0.00	-164.20	216.36	0.00
12	C	-212.25	221.90	10.00	10.00	0.00	0.00	-212.25	221.90	0.00
4	C1	-180.96	241.38	15.00	15.00	41.25	0.00	-180.96	241.38	0.00
15	C	-191.28	198.69	10.00	10.00	0.00	0.00	-191.28	198.69	0.00
5	C1	-168.96	232.03	15.00	15.00	36.96	0.00	-168.96	232.03	0.00
16	C	-198.42	204.31	10.00	10.00	0.00	0.00	-198.42	204.31	0.00
17	C	-205.58	209.67	10.00	10.00	0.00	0.00	-205.58	209.67	0.00
7	C1	-174.06	208.42	10.00	10.00	126.00	0.00	-174.06	208.42	0.00
18	C	115.45	297.96	10.00	10.00	0.00	0.00	115.45	297.96	0.00
6	C1	202.56	230.82	10.00	10.00	396.74	0.00	202.56	230.82	0.00
19	C	108.48	288.94	10.00	10.00	0.00	0.00	108.48	288.94	0.00
20	C	102.29	271.23	10.00	10.00	0.00	0.00	102.29	271.23	0.00
21	C	176.35	214.27	10.00	10.00	0.00	0.00	176.35	214.27	0.00
22	C	153.84	231.59	10.00	10.00	0.00	0.00	153.84	231.59	0.00
23	C	132.15	248.75	10.00	10.00	0.00	0.00	132.15	248.75	0.00
24	C	118.67	268.94	10.00	10.00	0.00	0.00	118.67	268.94	0.00



1927 SOUTH TRYON STREET, SUITE 300
FARMINGTON, NC 27834
V: 704-338-1292 • F: 704-338-9974
WWW.OPTIMAPA.COM
NORTH CAROLINA LICENSE NUMBER C-0914

SEAL:



03-16-20

VALVOLINE OIL
SITE LIGHTING

1510 EAST FRANKLIN ST.
CHAPEL HILL, NC

REV #	DATE	DESCRIPTION
2	01-15-20	REVIEWER'S COMMENT
3	01-24-20	BUILDING LOCATION
4	03-16-20	PHOTOMETRICS REV

DATE: 01-15-20
PROJECT #: 19-0403
DRAWN BY: HM
DESIGNED BY: HM
CHECKED BY: ZK

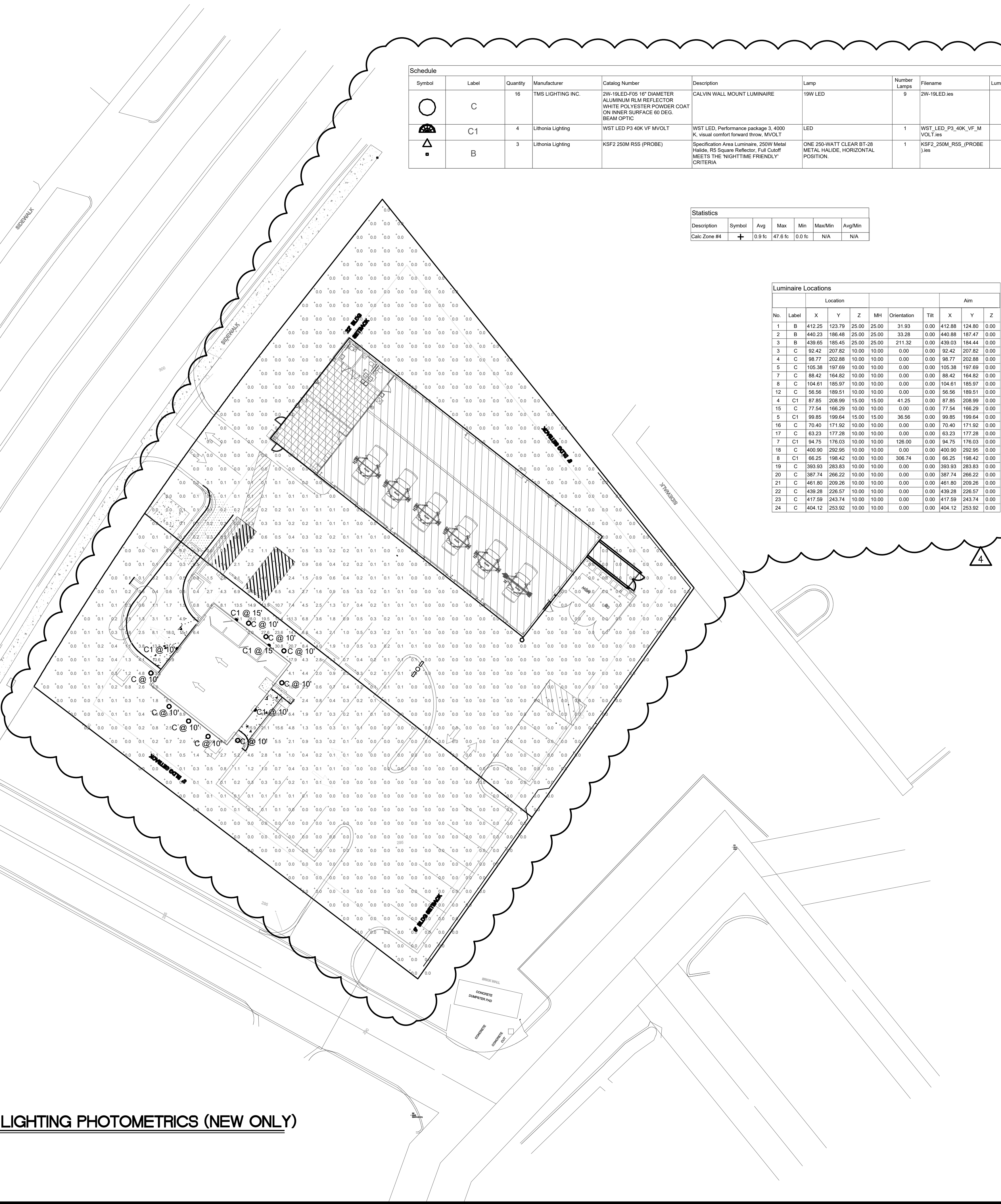
SHEET TITLE:
SITE PLAN -
ELECTRICAL
LIGHTING
PHOTOMETRICS
(EXISTING)





DWG #:

ES-2

SHEET NO: 2 OF 3

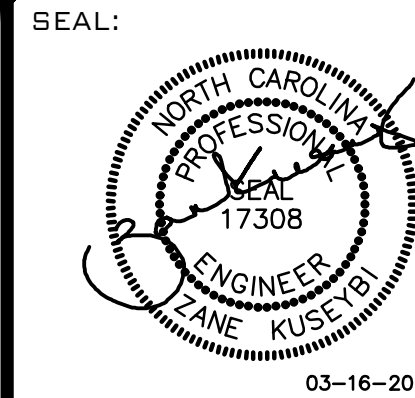
1 SITE PLAN - ELECTRICAL LIGHTING PHOTOMETRICS (NEW ONLY)
1" = 20'-0"



Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	C	16	TMS LIGHTING INC.	2W-19LED-F05 16" DIAMETER ALUMINUM RLM REFLECTOR WHITE POLYESTER POWDER COAT ON INNER SURFACE 60 DEG. BEAM OPTIC	CALVIN WALL MOUNT LUMINAIRE	19W LED	9	2W-19LED.ies	236	0.9	21.49
	C1	4	Lithonia Lighting	WST LED P3 40K VF MVOLT	WST LED, Performance package 3, 4000 K, visual comfort forward throw, MVOLT	LED	1	WST_LED_P3_40K_VF_MVOL.Fas	6609	0.9	50
 	B	3	Lithonia Lighting	KSF2 250M RSS (PROBE)	Specification Area Luminaire, 250W Metal Halide, RS Square Reflector, Full Cutoff MEETS THE "NIGHTTIME FRIENDLY" CRITERIA	ONE 250-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	1	KSF2_250M_RSS_(PROBE).ies	20000	1	297

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #4	+	0.9 fc	47.6 fc	0.0 fc	N/A	N/A

Luminaire Locations										
Location							Aim			
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z
1	B	412.25	123.79	25.00	25.00	31.93	0.00	412.88	124.80	0.00
2	B	440.23	186.48	25.00	25.00	33.28	0.00	440.88	187.47	0.00
3	B	439.65	185.45	25.00	25.00	211.32	0.00	439.03	184.44	0.00
3	C	92.42	207.82	10.00	10.00	0.00	0.00	92.42	207.82	0.00
4	C	96.77	202.86	10.00	10.00	0.00	0.00	96.77	202.86	0.00
5	C	105.36	197.69	10.00	10.00	0.00	0.00	105.36	197.69	0.00
7	C	88.42	164.82	10.00	10.00	0.00	0.00	88.42	164.82	0.00
8	C	104.61	185.97	10.00	10.00	0.00	0.00	104.61	185.97	0.00
12	C	56.56	189.51	10.00	10.00	0.00	0.00	56.56	189.51	0.00
4	C1	87.85	208.99	15.00	15.00	41.25	0.00	87.85	208.99	0.00
15	C	77.54	166.29	10.00	10.00	0.00	0.00	77.54	166.29	0.00
5	C1	99.85	199.64	15.00	15.00	36.56	0.00	99.85	199.64	0.00
16	C	70.40	171.92	10.00	10.00	0.00	0.00	70.40	171.92	0.00
17	C	63.23	177.28	10.00	10.00	0.00	0.00	63.23	177.28	0.00
7	C1	94.75	176.03	10.00	10.00	126.00	0.00	94.75	176.03	0.00
18	C	400.90	292.95	10.00	10.00	0.00	0.00	400.90	292.95	0.00
8	C1	66.25	198.42	10.00	10.00	306.74	0.00	66.25	198.42	0.00
19	C	393.93	283.83	10.00	10.00	0.00	0.00	393.93	283.83	0.00
20	C	387.74	266.22	10.00	10.00	0.00	0.00	387.74	266.22	0.00
21	C	461.90	209.26	10.00	10.00	0.00	0.00	461.90	209.26	0.00
22	C	439.28	226.57	10.00	10.00	0.00	0.00	439.28	226.57	0.00
23	C	417.59	243.74	10.00	10.00	0.00	0.00	417.59	243.74	0.00
24	C	404.12	253.92	10.00	10.00	0.00	0.00	404.12	253.92	0.00



VALVOLINE OIL
SITE LIGHTING

1510 EAST FRANKLIN ST.
CHAPEL HILL, NC

REV #	DATE	DESCRIPTION
2	01-15-20	REVIEWER'S COMMENT
3	01-24-20	BUILDING LOCATION
4	03-16-20	PHOTOMETRICS REV

DATE: 01-15-20
PROJECT #: 19-0403
DRAWN BY: HM
DESIGNED BY: HM
CHECKED BY: ZK

SHEET TITLE:
SITE PLAN -
ELECTRICAL
LIGHTING
PHOTOMETRICS

DWG #:
ES-3
SHEET NO: 3 OF 3

optima
engineering

1927 SOUTH TRYON STREET, SUITE 300
CHAPEL HILL, NC 27514
V: 704-338-1292 • F: 704-338-9974
WWW.OPTIMAPEA.COM
NORTH CAROLINA LICENSE NUMBER C-0914



FRONT (EAST FRANKLIN) ELEVATION

SCALE: 1" = 10'-0"



REAR ELEVATION

SCALE: 1" = 10'-0"

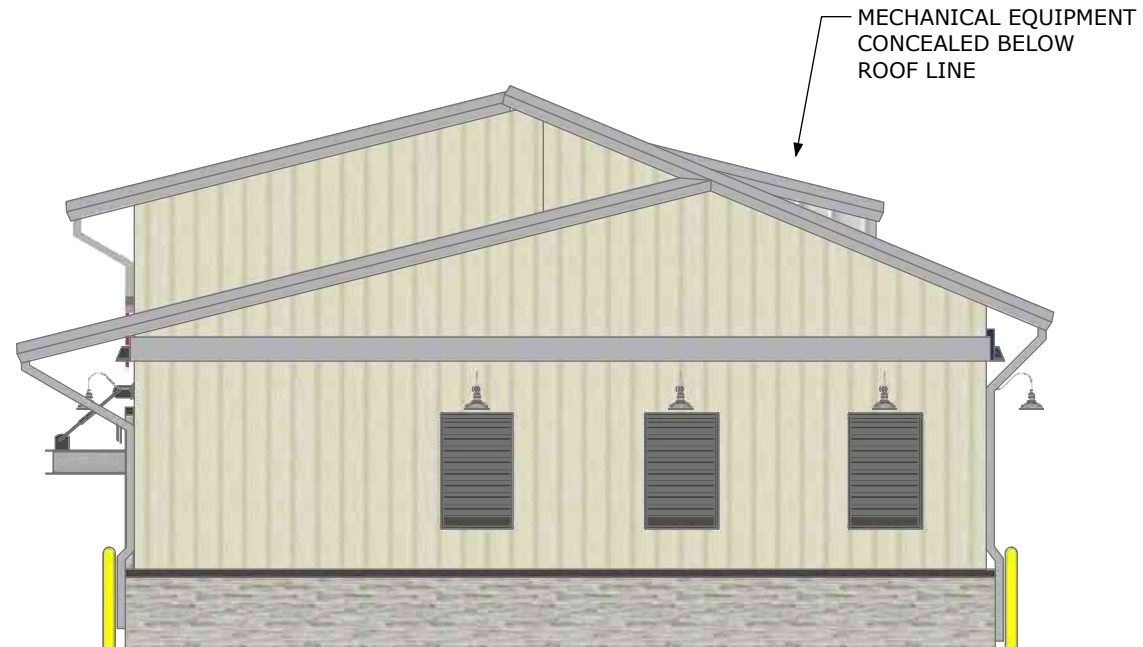
23'-6"
RIDGE

12'-0"
TOP OF DOORS

3'-4"
TOP OF BASE



LEFT ELEVATION



RIGHT ELEVATION

SCALE: 1/8" = 1'-0"

MECHANICAL EQUIPMENT
CONCEALED BELOW
ROOF LINE

METAL TRIM TO MATCH
ADJACENT PEP BOYS

BOARD & BATTEN SIDING,
COLOR TO MATCH
ADJACENT PEP BOYS

GOOSENECK LIGHTS TO
MATCH ADJACENT PEP BOYS

STONE TO MATCH ADJACENT PEP BOYS

SIGNAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY,
PERMITTING TO BE SEPERATE PROCESS
FRONT FACADE = 921.2 SF X 5% ALLOWABLE
ALLOWABLE FRONT WALL SIGN = 46 SF
FRONT WALL SIGN SHOWN = 9'-1 X 1' = 45 SF

STOREY WINDOWS TO
COMPLIMENT PEP BOYS DESIGN

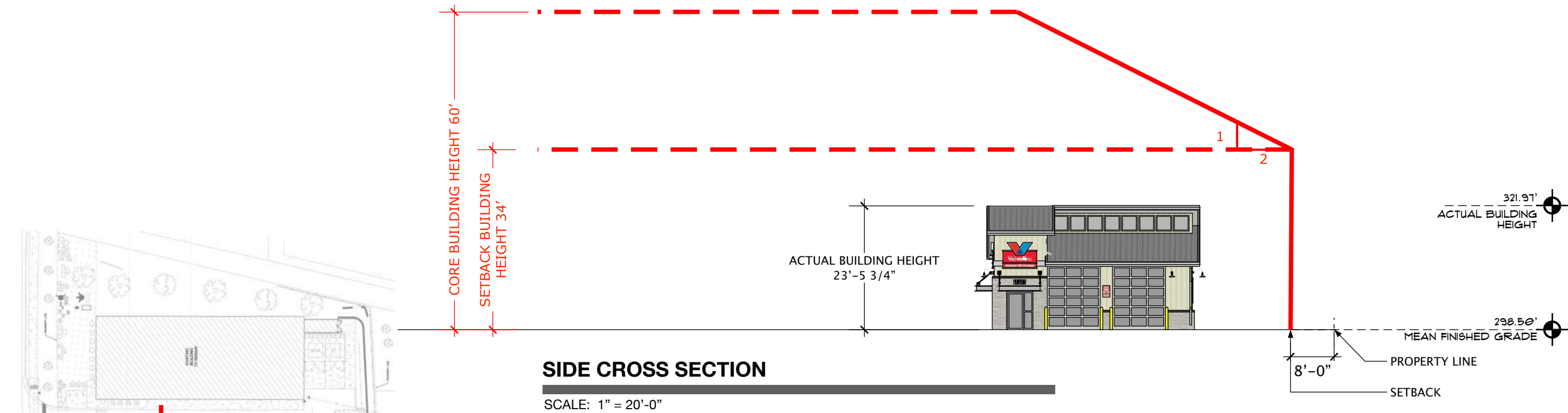
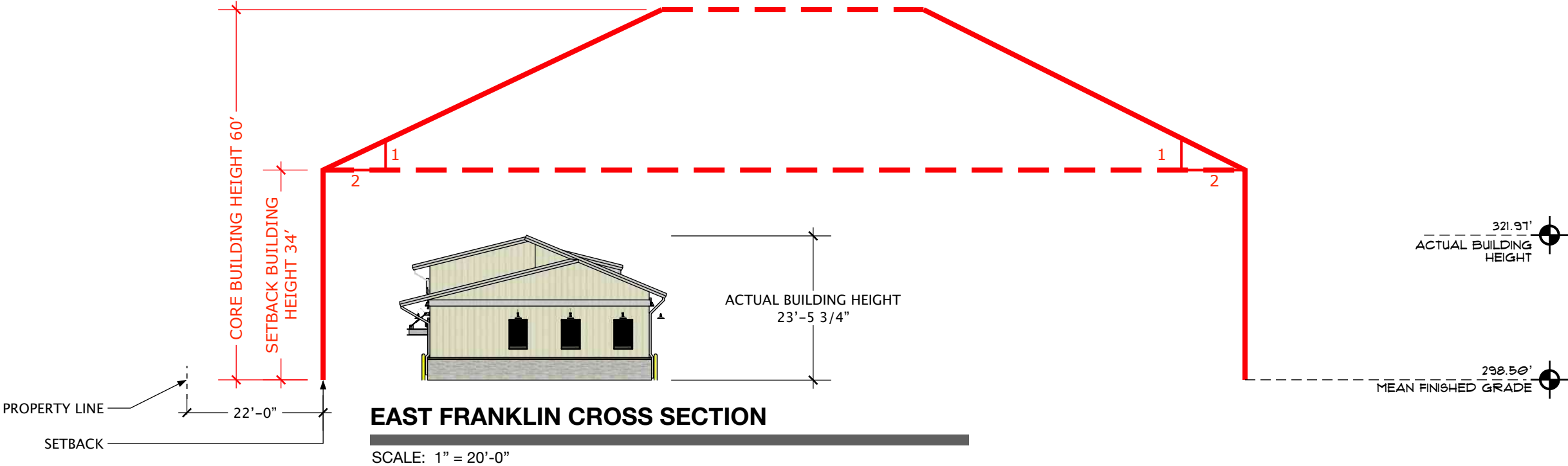
STANDING SEAM ROOFING
COLOR TO MATCH PEP BOYS

FINISH KEY



Quality Automotive Services, Inc.
8000 Tower Point Dr
Charlotte, NC 28227
704 226 1900 - office
704 254 7242 - mobile
thelms@ncvioc.com

- Document Date:
September 9, 2019
- November 13, 2019
- sign calculations
- total building height dim
December 20, 2019
- add building envelope
January 22, 2020
- updated site plan
- update brick selections
March 16, 2020
- change building design to
mimic the adjacent Pep Boys



VALVOLINE INSTANT OIL AT CHAPEL HILL
1510 E Franklin St.
Chapel Hill, NC

building
envelope



FIRST SUBMITTAL (FRONT)

SCALE: 1/8" = 1'-0"



CURRENT SUBMITTAL (FRONT)

SCALE: 1/8" = 1'-0"



ADJACENT PEP BOYS BUILDING

CURRENT DESIGN CHANGES:

- Modify overall appearance to avoid recent prototypical design
- Add roof lines, colors, lighting and storey windows to compliment the adjacent structure
- Reduce building height and lower signage
- Reduce the building size as required by recent planning requirements

current design changes

- LEGEND:
- WATER METER
 - POWER POLE
 - STORM DRAIN LINE
 - SANITARY SEWER LINE
 - OVERHEAD ELECTRIC LINE
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND GAS LINE
 - UNDERGROUND COMMUNICATIONS
 - WIRE FENCE
 - WOOD FENCE
 - CHAIN LINK FENCE
 - SET
 - OLD
 - #5 REBAR (S)
 - #5 REBAR (O)
 - STORM DRAIN MANHOLE
 - SAN. SEWER MANHOLE
 - CATCH BASIN
 - FIRE HYDRANT
 - ADDRESS
 - GAS VALVE
 - WATER VALVE
 - CALCULATED POINT

NOTES:

- 1) PARCEL ZONING COMMUNITY-COMMERCIAL
- 2) STATE PLANE COORDINATES ESTABLISHED USING NCVRS.
- 3) ALL DISTANCES ARE GROUND DISTANCES.
- 4) THIS PLAT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE DECLARATION OF EASEMENTS, RECORDED IN BOOK 5874 PAGE 532
- 5) THIS COMMERCIAL SUBDIVISION IS ENCUMBERED BY A SITE PLAN APPROVAL, APPROVED BY THE PLANNING BOARD ON JULY 18, 2013 AND RECORDED IN BOOK 5874 PAGE 532

20141125000214740 PLAT
Bk: PL113 Pg: 167
11/22/2014 10:15:51 AM 1/1
FILED Deborah B. Brooks
Register of Deeds, Orange Co., NC
Recording Fee: \$50.00
NC Real Estate TX: \$5.00

LOT INFORMATION:
PARENT PARCEL PIN 9799031558
0.813 ACRES
35,445 SQ. FT.

PARCEL A
0.510 ACRES
22,220 SQ. FT.

PARCEL B
0.304 ACRES
13,226 SQ. FT.

Provided that this plat shall be recorded within thirty (30) days of final approval,
Approved by the Town Manager: [Signature] 11-17-14
Town Manager Date

"The undersigned owner hereby freely dedicates all rights-of-way, easements, streets, recreation areas, open spaces, common areas, utilities and other improvements to public or private common use as noted on this plat, and further assumes full responsibility for the maintenance and control of said improvements until they are accepted for maintenance and control by an appropriate public body or by an incorporated neighborhood or homeowners association or similar legal entity."

LS Franklin Chapel Hill NC, LLC

Owner(s): LS Franklin Chapel Hill NC, LLC
Date: 11/17/14

I, Rachael L. Richardson, a notary Public for said County and State, do hereby certify that Wendy M. Kapp personally appeared before me this day and acknowledged the due execution of the foregoing instrument. Witness my hand and official seal this 5th day of November, 2014.

Rachael L. Richardson
Notary Public
11/22/20
My Commission Expires

I hereby certify that this survey creates a subdivision of land within the area of a county or municipality that has an ordinance that regulates parcels of land.

[Signature]
Professional Land Surveyor

State of North Carolina
County of Orange

I, MICHAEL A. BUCKNER, Review Officer of Orange County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Michael A. Buckner 11-24-2014
Review Officer Date

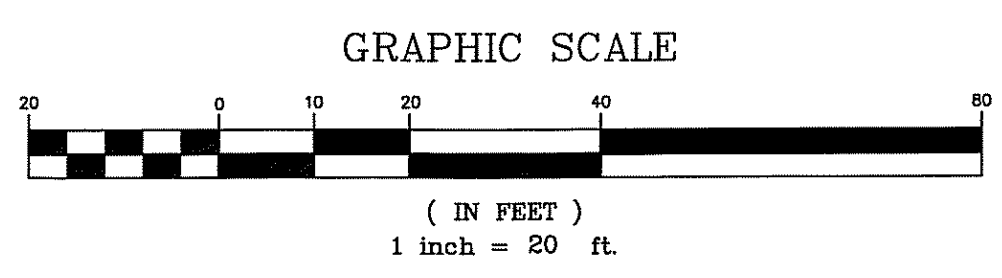
PARCEL ADDRESSES:
PARCEL A 1510 E FRANKLIN STREET
PARCEL B 1510 E FRANKLIN STREET UNIT 500

PARENT = 9799031558
A = 9799032752
B = 9799031693

COMMERCIAL SUBDIVISION PLAT	
PREPARED FOR:	LADY STREET DEVELOPMENT, LLC.
DESCRIPTION:	1510 E. FRANKLIN STREET
CHAPEL HILL TOWNSHIP, ORANGE COUNTY, NORTH CAROLINA	
DATE: JUNE 26, 2014	JOB #: 2012-038 subdivision 9-29-14
PIN #: 9799031558	FB #: 750
THE SAME BEING A PORTION OF THE PROPERTY CONVEYED TO A VENTURA, LLC. AND RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR ORANGE COUNTY NORTH CAROLINA IN DEED BOOK 1528 PAGE 425	
I, J. HENRY WALKER, III, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 1528 AT PAGE 425); THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN MAP BOOK 88 AT PAGE 76, THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.	
WITNESS MY ORIGINAL SIGNATURE AND SEAL THIS 11th DAY OF NOVEMBER A.D., 2014	
REGISTRATION NUMBER AND SEAL THIS 11th DAY OF NOVEMBER A.D., 2014	
<u>[Signature]</u> J. HENRY WALKER III, PLS	

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	1229.87'	75.42'	75.41'	N 32°35'32" E	3°30'49"
C2	1229.87'	82.82'	82.81'	N 36°16'42" E	3°51'31"

N/F
CHAPEL HILL CENTER CONDOMINIUMS
MULTIPLE OWNERS



EXISTING EASEMENT LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED.

THE SUBJECT PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED FROM FEMA FIRM PANEL MAP #37109799K DATED FEBRUARY 2, 2007

UNLESS OTHERWISE NOTED, ALL IRON PINS (S) ARE #5 REBAR.

UNLESS OTHERWISE NOTED, ALL IRON PINS (O) ARE #5 REBAR.

PROPERTY IS SUBJECT TO ANY EASEMENTS OR RESTRICTIONS OF RECORD.

J. HENRY WALKER, III, PLS
1115-D LITTLE STREET
P. O. BOX 1295
CAMDEN, SC 29021
(803) 425-0702