

### **PROJECT STATISTICS** PROPERTY OWNERS

GINEERING\2023-002.001 TERRAVITA - KNIGHTDALE\DRAWINGS\SHEET\REZONING - MASTER PLAN\ C0.00-COVER-SHEET.DWG , Jan 15, 2025 - 10:47 AM ,

SITE INVESTMENTS, LLC 933 OLD KNIGHT RD KNIGHTDALE, NC 27545 (919) 710-0669 12609 RICHMOND, LLC 4601 SIX FORKS RD, SUITE 400 RALEIGH, NC 27609

TABLE OF LA	IND OWNERS	DEED		DEEDED		TABLE C1.1
PIN	OWNER	DEED BOOK	DEED PAGE	DEEDED ACRES	SURVEY ACRES	ZONING
1755863977	SITE INVESTMENTS LLC	19147	2336	52.99	53.00	RT
1755787080	12609 RICHMOND LLC	17274	2274	10.00	7.68	RT
ROPOSED ZONI	١G					GR8-PI
RIVER BASIN VATERSHED					LOWE	NEU R NEUSE RIV
EMA FLOOD PAI	NEL					372017550
						7/19/20
<b>REA CALCULAT</b> GROSS SITE ARI						60.68
	RNAL PUBLIC STREET RIGHT-O FING ACCESS EASEMENTS/RIGH					13.18 2.72
NET SITE AREA						44.78
	OX. 59'X120' SINGLE FAMILY R OX. 80'X120' SINGLE FAMILY R				11.76% 4.56%	2.90 1.13
AREA IN APPR	OX. 30'X140' REAR-LOADED SI	NGLE FAMILY	Y RESIDENTIAL		35.27%	8.71
	OX. 35'X140' REAR-LOADED SI -LOADED TOWNHOUSE LOTS	NGLE FAMILY	Y RESIDENTIAL	LOTS	19.44% 28.96%	4.80 7.15
TOTAL UNITS P				245	20.90%	4.0 UN/
	59'" SINGLE FAMILY (4 BEDROC 30'" SINGLE FAMILY (4 BEDROC			17 5		
	30" SINGLE FAMILI (4 BEDROC 30'" REAR-LOADED SINGLE FAN		OOM)	83		
	35'" REAR-LOADED SINGLE FAN	•	ROOM)	39		
	EAR-LOADED TOWNHOUSE (3	2	C' MIN EDONT I	101		
-	RKING PADS TO BE 20' MIN. REA	R LUADED/2.	5 MIN. FRONT L	UADED		
PEN SPACE CAI TOTAL NUMBEI	<b>CULATIONS</b> R OF BEDROOMS					7
D	EDICATION RATE (520/UNIT)			x 520	393640	9.04
	ATIONAL OPEN SPACE REQUIR PASSIVE OPEN SPACE)	ED (BEFORI	CREDITS		393640	9.04
Р	ARKWAY (PUB. ST. "H", 700 LF,			x 27	(18900)	(0.43)
	ARKWAY (PUB. ST. "A", 545 LF, SSIVE OPEN SPACE CREDITS	54' RW)	545	x 27	(14715) (33615)	(0.34) (0.77)
ACTIVE RE	CREATIONAL SPACE REQ'D		50%			4.52
	ECREATIONAL SPACE REQ'D RECREATIONAL SPACE PROVID	FD	50%	MINUS CRE	DITS ABOVE	3.75 5.02
	RECREATIONAL SPACE PROVID					3.93
	ATIONAL OPEN SPACE PROVID DMMON OPEN SPACE (DOES NO					8.95
	IMMON OPEN SPACE (DOES NO IMON AREA OPEN SPACE		WARDS REQUIR	KEMEN I SJ		11.14 7.82
AREA IN PRI	VATE ALLEY EASEMENTS					3.32
PARKING CALCU						
	I <b>G REQUIRED FOR RESIDENTI</b> FAMILY (4 BEDROOM)	AL	17 UNITS	(1/BEDROO	M UP TO 21	<b>490 SPAC</b> 34 SPAC
"80'" SINGLE F	AMILY (4 BEDROOM)		5 UNITS	(1/BEDROO	M UP TO 2)	10 SPAC
	ADED SINGLE FAMILY (3 BEDR ADED SINGLE FAMILY (3 BEDR		83 UNITS 39 UNITS	(1/BEDROO (1/BEDROO		166 SPAC 78 SPAC
	TOWNHOUSE (3 BEDROOM)	0011	101 UNITS	(1/BEDROO		202 SPAC
	REAR-LOADED TOWNHOUSE RE GREATER THAN 4UN/BLDG" SIN					AND FOR
	IG REQUIRED FOR MAIL KIOSI			E SAME FER U	DU 7.1.G.Z	13 SPAC
MAIL KIOSK #			(GREATER OF			3 SPAC
MAIL KIOSK # MAIL KIOSK #			(GREATER OF (GREATER OF			4 SPAC 3 SPAC
MAIL KIOSK #			(GREATER OF	'		3 SPAC
	IG PROVIDED FOR RESIDENTI	AL				778 SPAC
	AMILY (4 BEDROOM) AMILY (4 BEDROOM)		(2 GARAGE, 2 (2 GARAGE, 2			68 SPAC 20 SPAC
	AMILY (4 BEDROOM) ADED SINGLE FAMILY (3 BEDR	OOM)	(2 GARAGE, 2	-		332 SPAC
	ADED SINGLE FAMILY (3 BEDR	100M)	(2 GARAGE, 2			156 SPAC
REAR-LOADEI	) TOWNHOUSE (3 BEDROOM)		(1 GARAGE, 1	DRIVEWAYJ		202 SPAC
TOTAL PARKIN MAIL KIOSK #	IG PROVIDED FOR MAIL KIOSI	K LOCATION	<b>S</b> (GREATER OF	2 OP 1 /2 MA	۷J	<b>13 SPAC</b> 3 SPAC
MAIL KIOSK #			(GREATER OF			4 SPAC
MAIL KIOSK #			(GREATER OF	,	,	3 SPAC
MAIL KIOSK # *(	QUANTITY SHOWN INCLUDES 1	ADA ACCESSI	(GREATER OF BLE SPACE PER	•	л.ј	3 SPAC
ADDITIONAL P	ARKING PROVIDED					182 SPAC
ON-STREET PA	ARALLEL PARKING N SPACE PARKING					139 SPAC 43 SPAC
, TOTAL PARKIN						973 SPAC
REE COVER CA	LCULATIONS					
TOTAL PERIMI		(DEDIMON)				10,120
	REA REQUIRED OVER AREA PROVIDED	(PERIMET)	EK X 20J		±	202,400 202,400
	REA IN PERIMETER BUFFER/E	NHANCE ROA	ADWAY PLANTI	NGS	- ±	171,040
NEUSE RIVER I					±	11,370



## KNIGHTDALE, NC

# MASTERPLANREVIEWDRAWINGSFORARESIDENTIALSUBDIVISION

	ZMA-4-23	PLANS PREPARED BY:	
	SITE BUFFALOE ROAD HORTON ROAD HORTON ROAD	<b>PRIEST, CRAVEN &amp; ASSC</b> PLANNERS / LANDSCAPE DESIGNERS / SUR 3803 - B COMPUTER DRIVE, SUITE 104, RA PHONE 919 / 781-0300 FAX 919 / EMAIL PCA@PRIESTCRAVEN.COM FIR	<b>VEYORS</b> LEIGH, N.C. 782-1288
	WELDON VILLAGE	PRESERVATION GROUP	PEA RIDGE ROAD NORTH CAROLIN ) 625-9760 KER@EPGROUP
		<b>GENERAL NOTES:</b>	
	<b>VICINII I IVIAP</b> $1''=500'$	<ol> <li>THE CONCEPTUAL PLAN WAS PREPARED BY CHARLES R. WALKER, III, PLA AND ENTITLEMENT PRESERV</li> <li>THIS PLAN IS PRELIMINARY IN NATURE AND SUBJECT TO CHANGE AS DESIGN PROGRESSES.</li> <li>BOUNDARY INFORMATION IS TAKEN FROM A SURVEY BY THIS OFFICE PER BM2018 PG1383.</li> </ol>	ATION GROUP.
	SHEET LIST	<ol> <li>BOONDART INFORMATION IS TAKEN FROM A SORVET BY THIS OFFICE FER BM2010 F01505.</li> <li>SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A COMBINATION OF DATA FROM A SURVEY PERFOR</li> <li>PLANEMETRIC AND TOPOGRAPHIC INFORMATION FOR AREAS OUTSIDE OF THIS SITE ARE TAKEN FROM</li> </ol>	
SHEET #	SHEET TITLE	<ul> <li>6. ALL MATERIALS AND CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE TOWN OF KNIGHTI SPECIFICATIONS.</li> </ul>	
C0.00	COVER SHEET	7. THERE ARE NO FEMA DESIGNATED FLOOD ZONES LOCATED ON THIS PROPERTY	
C1.00	OVERALL EXISTING CONDITIONS ENVIRONMENTAL SURVEY PLAN	8. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL F TO ANY CONSTRUCTION.	
C1.01	EXISTING CONDITIONS PLAN ENLARGED AREA 1	<ol> <li>NO NEW BUFFER IMPACTS SHALL OCCUR PRIOR TO APPROVAL FROM NCDEQ AND TOWN OF KNIGHTDA</li> <li>WETLAND AND STREAM BUFFER LOCATIONS ARE BASED INFORMATION PROVIDED BY SOIL &amp; ENVIRON</li> </ol>	
C1.02	EXISTING CONDITIONS PLAN ENLARGED AREA 2	11. STORMWATER CONTROL MEASURES ARE CONCEPTUAL AND ARE SUBJECT TO FUTURE SIZING CALCULA	
C1.03	EXISTING CONDITIONS PLAN ENLARGED AREA 3	<b>RALEIGH CORPUD CONDITIONS OF APPROVAL</b>	
C1.04	EXISTING CONDITIONS PLAN ENLARGED AREA 4	1. ALL WATER, SANITARY SEWER AND REUSE FACILITIES SHALL BE INSTALLED, INSPECTED, TESTED, AND FOR OPERATIONS AND MAINTENANCE PRIOR TO 1ST CO.	ACCEPTED BY THE CIT
C2.00 C2.01	OVERALL PRELIMINARY SITE LAYOUT PLAN PRELIMINARY SITE LAYOUT PLAN ENLARGED AREA 1	<ol> <li>A PETITION FOR ANNEXATION INTO THE CITY LIMITS SHALL BE SUBMITTED IN ACCORDANCE WITH CIT PROPERTIES CURRENTLY OUTSIDE OF THE CITY LIMITS PRIOR TO PLAT RECORDATION.</li> </ol>	ՐY COUNCIL POLICY FOF
C2.01	PRELIMINARY SITE LAYOUT PLAN ENLARGED AREA 2	<ol> <li>A WATER MODEL IN COMPLIANCE WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT HAND AND APPROVAL PRIOR TO CD APPROVAL.</li> </ol>	
C2.02	PRELIMINARY SITE LAYOUT PLAN ENLARGED AREA 3	4. CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTM	1ENT FOR ALL PUBLIC V
C2.04	PRELIMINARY SITE LAYOUT PLAN ENLARGED AREA 4	EXTENSIONS PRIOR TO PLAT RECORDATION. 5. A PLAT MUST BE RECORDED AT THE WAKE COUNTY REGISTER OF DEEDS OFFICE FOR ALL UTILITY EAS	EMENT DEDICATIONS P
C2.10	OVERALL PRELIMINARY SITE SIGNAGE AND MARKING PLAN	WATER ALLOCATION TABLE:	
C2.11	PRELIMINARY SITE SIGNAGE PLAN ENLARGED AREA 1		
C2.12	PRELIMINARY SITE SIGNAGE PLAN ENLARGED AREA 2	BASE POINTS MAJOR SUBDIVISION	15
C2.13	PRELIMINARY SITE SIGNAGE PLAN ENLARGED AREA 3	CATEGORY 2 - GREEN DEVELOPMENT STANDARDS	
C2.14	PRELIMINARY SITE SIGNAGE PLAN ENLARGED AREA 4	2A - CONSERVATION OF NATURAL HABITATE MEETING ACTIVE OPEN SPACE REQUIREMENTS (OPEN SPACE LOT 1009 PRESERVING EXISTING POND AND WETLANDS)	3
C2.15	PRELIMINARY ROUNDABOUT SIGNAGE PLAN	2B - FOUNTAIN WITHIN WET POND SCM	4
C2.20	PRELIMINARY OPEN SPACE PLAN	2C - IMPLEMENT AFFORDABLE KNIGHTDALE PLAN (EXPANDED HOUSING: TH/COTTAGE COURTS) 2C - EXCLUSIVE USE OF NATIVE LANDSCAPE SPECIES	10 5
C2.30	PRELIMNARY PHASING PLAN	CATEGORY 3 - OUTDOOR ENHANCEMENT	
C2.40	CONNECTIVITY INDEX EXHIBIT	3A - CONSTRUCTION OF GATEWAY LANDSCAPING (ROUNDABOUT) 3A - OUTDOOR DISPLAY OF PUBLIC ART (2 ART LOCATIONS)	5 8
C2.50	STREET SECTIONS	3A - ENHANCED ROADSIDE LANDSCAPING (STREET "H")	2
C3.00	PRELIMINARY OVERALL UTILITY PLAN	CATEGORY 4 - AMENITIES 4C - OUTDOOR DECK (AT GREENWAY & EXISTING POND)	3
C3.01	PRELIMINARY UTILITY PLAN ENLARGED AREA 1	4F - IPEMA CERTIFIED PLAYGROUND EQUIPMENT	4
C3.02	PRELIMINARY UTILITY PLAN ENLARGED AREA 2	TOTAL UDO ALLOWABLE POINTS	59
C3.03	PRELIMINARY UTILITY PLAN ENLARGED AREA 3		
C3.04	PRELIMINARY UTILITY PLAN ENLARGED AREA 4		
C4.00	PRELIMINARY STORM DRAINAGE PLAN	CONTRACTOR SHALL BE RESPONSIBLE FOR THE	
C5.00	PRELIMINARY POST-DEVELOPMENT STORMWATER MANAGEMENT PLAN	LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY EXCAVATION. EXISTING	
C6.00	SAMPLE UNITS	UTILITIES SHOWN HEREON ARE APPROXIMATE AND ALL ARE NOT SHOWN.	
LS1.00	PRELIMINARY SITE LANDSCAPING PLAN		
LS1.01	PRELIMINARY LANDSCAPE PLAN ENLARGED AREA 1	ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH TOWN COMME	SUBMITTAL DA
LS1.02	PRELIMINARY LANDSCAPE PLAN ENLARGED AREA 2	AND/OR NCDOT STANDARDS AND SPECIFICATIONS	<b></b>
LS1.03	PRELIMINARY LANDSCAPE PLAN ENLARGED AREA 3		
LS1.04	PRELIMINARY LANDSCAPE PLAN ENLARGED AREA 3		
LT1.00	PRELIMINARY LIGHTING PLAN	RELEASED FO	R CONSTRUCTION D

# ATES, INC.

RS / ENGINEERS

, N.C. 27609 88 0488



ROAD **ROLINA 27312 GROUPONLINE.COM** 

OFFICE AND WAKE COUNTY GIS INFORMATION.

TY GIS INFORMATION. RALEIGH, NCDOT, AND NCDEQ STANDARDS AND

/E AND BELOW GROUND UTILITY FIELD LOCATION PRIOR

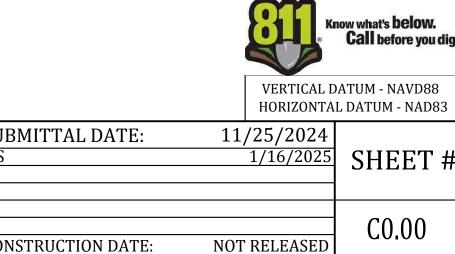
SULTANTS, PA.

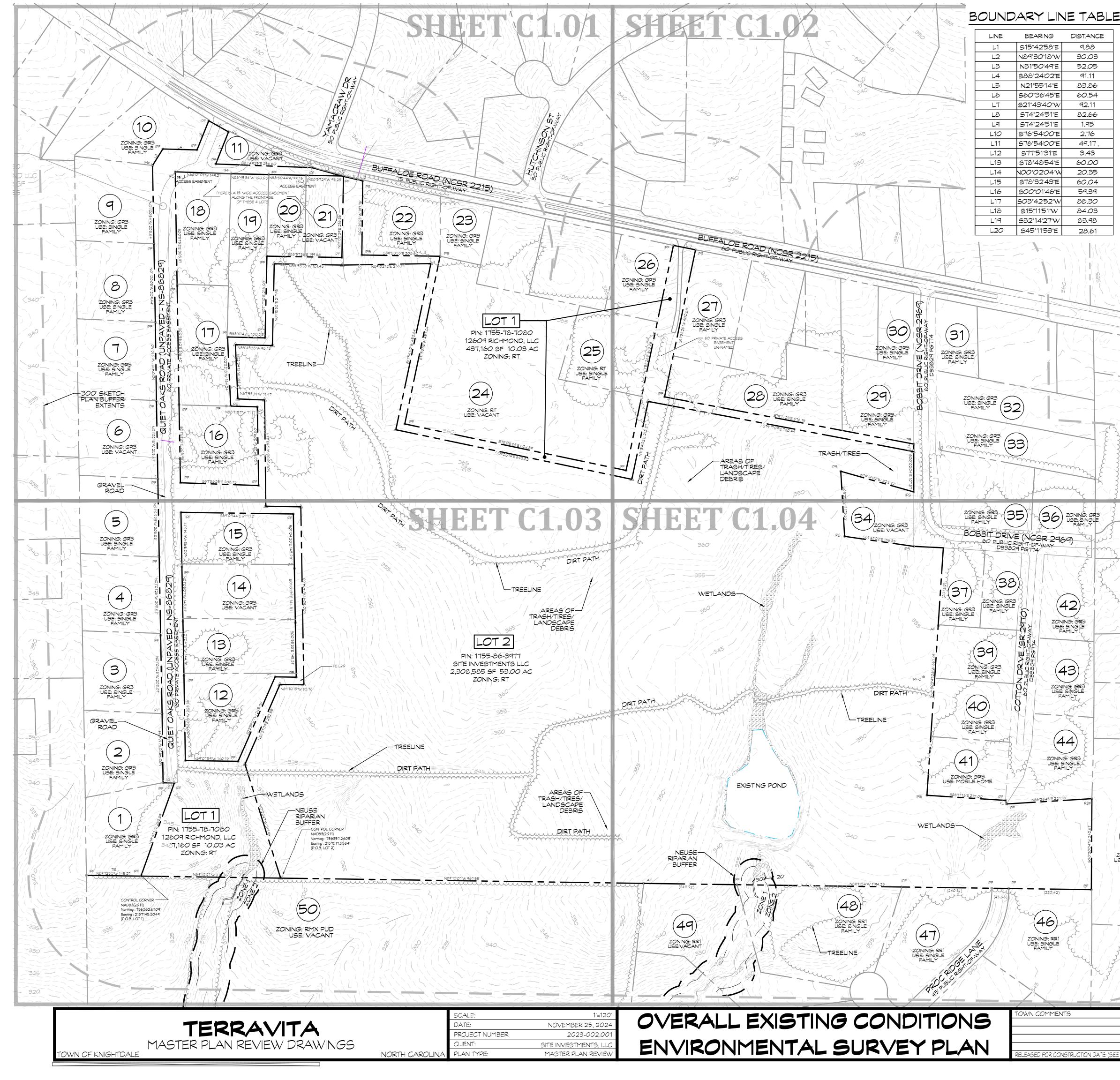
Y THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT LICY FOR EXTENSION OF UTILITY SERVICE TO

E SUBMITTED BY THE PROJECT ENGINEER FOR REVIEW PUBLIC WATER, PUBLIC SEWER AND/OR PRIVATE SEWER

ATIONS PRIOR TO BUILDING PERMIT ISSUANCE



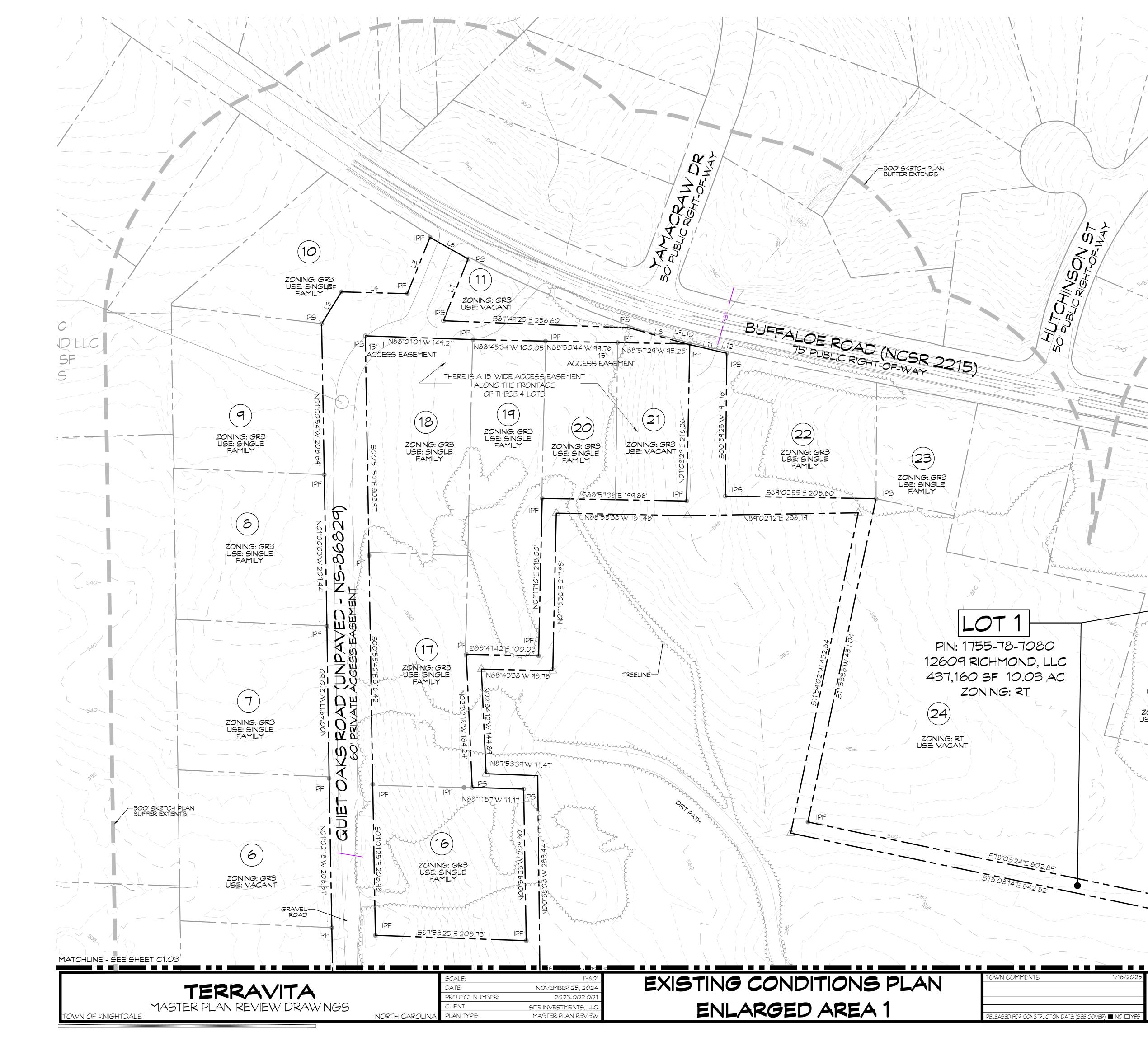




			ADDRESS	DEED DI BOOK PA
2 3 4 5	1755-76-0571 1755-76-0688 1755-76-0970 1755-77-0170 1755-77-0374	LOGAN, ANNIE MAE LOGAN, ERNEST JR MANNING, JONATHAN EDWARDS, PAUL EDWARDS, CYNTHIA S BROWN, THEODORE BROWN, DEBRA A ROYAL, JEANETTA S	1628 QUIET OAKS RD KNIGHTDALE NC 27545-8312 2022 34TH ST SE WASHINGTON DC 20020-2416 1616 QUIET OAKS RD KNIGHTDALE NC 27545-8312 1608 QUIET OAKS RD KNIGHTDALE NC 27545-8312 1604 QUIET OAKS RD KNIGHTDALE NC 27545-8312	18185 2 12259 1 3644 2 3353 2 7255 7
6 7 8	1755-77-0586 1755-77-0773 1755-77-0775	PERRY, HENRY O MIGUEL, MANUEL MIGUEL, HELENA MONTAGUE, ELLIOTT R MONTAGUE, CASSANDRA S	HAL O PERRY 4721 WALDEN POND DR APT D RALEIGH NC 27604 801 FROSTY WAY ZEBULON NC 27597-5531 1508 QUET OAKS RD KNIGHTDALE NC 27545-8310	
9 10 11	1755-78-0166 1755-78-1356 1755-78-4257	KAHEEL, WAFAA KAHEEL, MEDHAT WATSON, JOHN WILLIAM WATSON, SHIGEKO O BOWERS, PATRICIA R BOWERS, HARRY T	8056 REMINGTON HEIGHTS DR RALEIGH NC 27616-9313 8720 BUFFALOE RD KNIGHTDALE NC 27545-8533 1805 YAMACRAW DR KNIGHTDALE NC 27545-7470	19061 1 11984 2 15901 2
12 13 14	1755-76-3837 1755-77-3094 1755-77-3188	OCHOA, JOSE L OCHOA, SHIRLEY B KING, ALPHONZA E FOSTER, WILLIAM FOSTER, SELMA	1621 QUIET OAKS RD KNIGHTDALE NC 27545-8313 1613 QUIET OAKS RD KNIGHTDALE NC 27545-8313 6032 LORIELLA PARK DR FREDERICKSBURG VA 22407-5008	5017 5 3392 5 3421 4
15 16 17	1755-77-3393 1755-77-3540 1755-77-2797	HAWKINS, TIDIE J HAWKINS, PATRICIA A LEGETTE, WILLIE MCKINLEY LEGETTE, CASAUNDRA PERRY, HENRY O	1605 QUIET OAKS RD KNIGHTDALE NC 27545-8313 1601 QUIET OAKS RD KNIGHTDALE NC 27545-8313 HAL O PERRY 4721 WALDEN POND DR APT D RALEIGH NC 27604	9394 1 17455 1 -9007 05-E :
18 19 20	1755-78-2097 1755-78-4011 1755-78-5121	WATKINS, WILLIE JEAN DEWBERRY, BILLY WAYNE HINTON, LULA MAE NAJM, ANDRE NAJM, DORY M	1505 QUIET OAKS RD KNIGHTDALE NC 27545-8311 8724 BUFFALOE RD KNIGHTDALE NC 27545-8535 5609 KYLE DR RALEIGH NC 27616-6203	15461 8 2829 5 12005 2
21 22 23	1755-78-6111 1755-78-8140 1755-88-0009	A&D HOME IMPROVEMENT LLC MOORE, HELEN L HEIRS DEWBERRY, HARVEY LEE DEWBERRY, MILDRED F	6008 PADUCAH DR RALEIGH NC 27610-1176 C/O WILLIE C MOORE 1905 YAMAGRAW DR KNIGHTDALE NC 2754 8808 BUFFALOE RD KNIGHTDALE NC 27545-8536	1973
24 25 26	1755-87-1730 1755-87-3796 1755-87-4965	HART, ARCHILUS L HART, SHARON J PERRY, BONNIE JONES HART, ARCHILUS L HART, SHARON	8824 BUFFALOE RD KNIGHTDALE NC 27545-8536 PO BOX 1217 KNIGHTDALE NC 27545-1217 8824 BUFFALOE RD KNIGHTDALE NC 27545-8536	19240 1 <sup>-</sup> 19240 1 <sup>-</sup> 12297 16
27 28 29	1755-87-6866 1755-87-8624 1755-97-1612	WINSTON, SHANAE D CARPENTER, DOROTHY MITCHELL, GWENDOLYN W	3013 ROSINBURG RD ZEBULON NC 27597-7706 8826 BUFFALOE RD KNIGHTDALE NC 27545-8536 1508 BOBBITT DR KNIGHTDALE NC 27545-9684	17993 2 11505 1: 10-E 3:
30 31 32	1755-97-1853 1755-97-3729 1755-97-4691	PERRY, BONNIE J POST NC PROPERTIES LLC HARRIS, LINDA B	PO BOX 1217 KNIGHTDALE NC 27545-1217 3137 SUNCREST VILLAGE LN RALEIGH NC 27616-8862 1505 BOBBITT DR KNIGHTDALE NC 27545-9685	1847 00 19274 0 08-E
33 34 35	1755-97-4581 1755-97-1322 1755-97-4317	FERRELL, CHARLES E FERRELL, DOROTHY MITCHELL, GWENDOLYN HARRIS, LINDA B	1509 BOBBITT DR KNIGHTDALE NC 27545-9685 1508 BOBBITT DR KNIGHTDALE NC 27545-9684 1505 BOBBITT DR KNIGHTDALE NC 27545-9685	2017 1 10-E 3: 08-E - 19-E 4
36 37 38 39	1755-97-6304 1755-97-3142 1755-97-4141	BOBBITT, GLADYS JONES ARRINGTON, CHARLENE SMITH BOBBITT, GLADYS JONES	2313 HORTON RD KNIGHTDALE NC 27545-8592 5100 N HILLS DR RALEIGH NC 27612-4010 2313 HORTON RD KNIGHTDALE NC 27545-8592	19-E 4 12302 c 19-E 4 15334
40 41 42	1755-96-3994 1755-96-3789 1755-96-3664 1755-97-6029	BOBBITT, DOUGLAS WAYNE BOBBITT, ANN J MACIEL, SERGIO QUINTO-CERVANTES, MARYURI A. MACIEL, SERGIO QUINTO-CERVANTES, MARYURI A.	1608 COTTON DR KNIGHTDALE NC 27545-9600 5728 WOOF PL KNIGHTDALE NC 27545-7414 5728 WOOF PL KNIGHTDALE NC 27545-7414 AARON DUNN JR 1601 COTTON DR KNIGHTDALE NC 27545-96	16160 1. 16160 1:
42 43 44 45	1755-96-6817 1755-96-6817 1755-96-6617 1755-96-8418	KING, MARY FRANCES HEIRS BARNES, JAMES R BARNES, JANET D RUBIO, LUCIO SOLIS CARRASCO RAMIREZ, HARASIX NOELIA	1609 COTTON DR KNIGHTDALE NC 27545-9680 1617 COTTON DR KNIGHTDALE NC 27545-9680	>80         11-E         3           2223         5           15334           8477         1
45 46 47 48	1755-96-5118 1755-96-2220 1755-86-9119	ORMAND, JOHN W DEMENT, ANGELA L ARRINGTON, WARREN H JR WARNER, MATTHEW E. WARNER, TRACY LANE RUSSO, JOSEPH L RUSSO, MICHELLE W	2204 HORTON RD KNIGHTDALE NC 27545-8589 1701 PROC RDGE LN KNIGHTDALE NC 27545-7915 1704 PROC RDGE LN KNIGHTDALE NC 27545-8516	14308 11 15882 5 12416 19
40 49 50	1755-86-7038 1755-75-7607	WILLIAMS, WAZYM DEMENT FARMS LLC	9001 HORTON MILL DR KNIGHTDALE NC 27545-8165 4849 WINTERWOOD DR RALEIGH NC 27613-6917 717 N 1ST AVE KNIGHTDALE NC 27545-8509	12416 1 16040 2 17010 2
		SURVEY LINETYF	PES	
			-	ROUND POWER
		P/L NOT SU		TIC/COMMUNICATI
000		EASEMEN	TS TRAFFIC XWL WATERL	
		XX FENCE LINE		ROUND TELEPHON FLOODPLAIN
		XSS SANNART		
		SURVEY SYMBO	L LEGEND	
			GUY WIRE WL WATE	ER LINE
0000				ER LINE HOTBOX ER LINE MANHOLE
		_		ER METER
	4		$DE \_ OVERHEAD ELECTRIC \qquad \square WATE$ $CP \_ REINFORCED CONCRETE \qquad \square WELL$	ER VALVE
		Ø CLEAN OUT		-
			© SEWER MANHOLE PROPERTY	CORNERS
1 365				C MONUMENT SET
- ' '	مرروب			C MONUMENT FOUN CORNER FOUND
Y		FL FENCE LINE		PUTED POINT
-360		FOFIBER OPTIC		ROL CORNER PIPE SET
		,Ga	UP UNDERGROUND POWER HATCH LEG	
		GRATED INLET		RASH/DEBRIS
		GENERAL NOTES:	E	KISTING RIPRAP
	355	1. BOUNDARY INFORMATION IS TAKE	EN FROM A SURVEY BY THIS OFFICE.	
			IS TAKEN FROM A COMBINATION OF DATA FROM WAKE COUNTY GIS INFORMATION.	A SURVEY
		3. PLANEMETRIC AND TOPOGRAPHIC WAKE COUNTY GIS INFORMATION	INFORMATION FOR AREAS OUTSIDE OF THIS SIT	E ARE TAKEN FROI
	B		D FLOOD ZONES LOCATED ON THIS PROPERTY	
, F			PPROXIMATE. CONTRACTOR RESPONSIBLE FOR LA OUND UTILITY FIELD LOCATION PRIOR TO ANY CO	
			OCCUR PRIOR TO APPROVAL FROM NCDEQ.	
		7. WETLAND AND STREAM BUFFER L ENVIRONMENTAL CONSULTANTS,	LOCATIONS ARE BASED INFORMATION PROVIDED PA.	BY SOIL &
<i>[</i>		8. STORMWATER CONTROL MEASUR	RES ARE CONCEPTUAL AND ARE SUBJECT TO FUT	URE SIZING
<b>B</b>		CALCULATIONS AND DESIGN. 240 120 60 0	120 360	
G: RT CANT	3 ) [1]			11 <sub>117</sub> ,
CANT		<u>GRAPHIC S</u> 1" = 120		FOR
	(fg)	Know what's below.	CONSTRU	8 -
3/1	SE 2231)	Call before you dig	O	V BUCS
	A Contraction of the second se			Mannin.
		CONTRACTOR SHALL BE RESPONSIBLE F LOCATION OF ALL EXISTING UTILITIES PR BEGINNING OF ANY EXCAVATION. EXIS	RIOR TO	
	62/	UTILITIES SHOWN HEREON ARE APPROXIM ALL ARE NOT SHOWN.		
HOH HOH	60 PUBLIC RIGHT-0	ALL CONSTRUCTION TO BE IN ACCORDAN	ICE WITH	
HOP			ALEIGH	

3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488

R) 🔲 NO



	PROPERTY LINE
	P/L NOT SURVEYED
	EASEMENT
	ADJOINER
XX	FENCE LINE
xss	
XST	
	UNDERGROUND POWER
	FIBER OPTIC/COMMUNICATION
TS	
XWL	
	UNDERGROUND TELEPHONE
	100 YR FLOODPLAIN
	GUARD RAIL

### SURVEY SYMBOL LEGEND

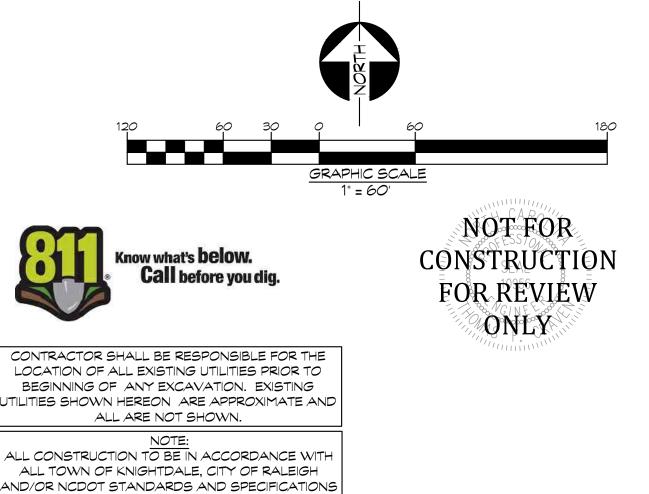
□ AC UNIT	GW	_ GUY WIRE	WL WATER LINE
BFV BACK FLOW VALVE	IV	_ IRRIGATION VALVE	HB WATER LINE HOTBOX
O BOLLARD	¢	_ LIGHT POLE	WATER LINE MANHOLE
🖸 CABLE PEDESTAL	0H	_ OVERHANG	⊕ WATER METER
CV CABLE VAULT	0E	_ OVERHEAD ELECTRIC	$\bowtie$ WATER VALVE
CATCH BASIN	RCP	_ REINFORCED CONCRETE	W WELL
$\varnothing$ CLEAN OUT		DRAINAGE PIPE	TARD INLET
CB COMMUNICATION BO>	< S	_ SEWER MANHOLE	
CURB INLET	D	_ STORM MANHOLE	PROPERTY CORNERS
E ELECTRIC BOX	JB	_STORM JUNCTION BOX	CONC MONUMENT SET
EV ELECTRICAL VAULT	<u> «IL</u>	_ SWAMP	CONC MONUMENT FOUN
M FIRE HYDRANT	Τ	_ TELEPHONE PEDESTAL	PROP CORNER FOUND
FL FENCE LINE	T	_ TELEPHONE MANHOLE	△ COMPUTED POINT
FO FIBER OPTIC	€	_ TEMPORARY BENCHMARK	O CONTROL CORNER
FOV FIBER OPTIC VAULT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TREE	O IRON PIPE SET
$\bigtriangledown$ FLARED END SECTION	N UE	UNDERGROUND ELECTRIC	IPF IRON PIPE FOUND
6 GAS	UP	UNDERGROUND POWER	HATCH LEGEND
🖄 GAS VALVE	UT	_ UNDERGROUND TELEPHONE	
GRATED INLET	<u>_</u>	_ UTILITY POLE	TRASH/DEBRIS
			EXISTING RIPRAP

### GENERAL NOTES:

(25)

ZONING: RT USE: SINGLE FAMILY

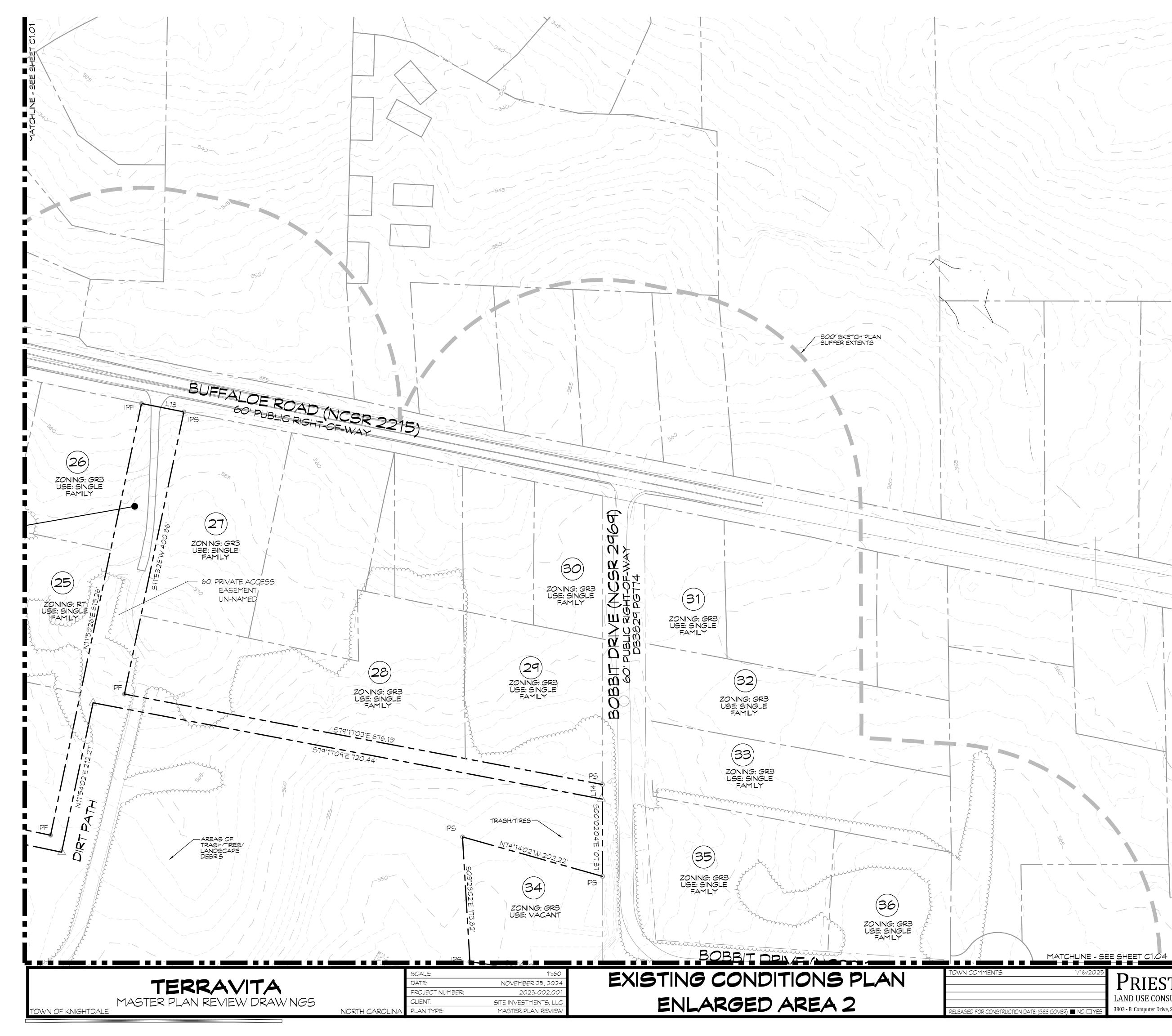
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- 5. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING ABOVE AND BELOW GROUND UTILITY FIELD LOCATION PRIOR TO ANY CONSTRUCTION.
- 6. NO NEW BUFFER IMPACTS SHALL OCCUR PRIOR TO APPROVAL FROM NCDEQ.
- I. WETLAND AND STREAM BUFFER LOCATIONS ARE BASED INFORMATION PROVIDED BY SOIL & ENVIRONMENTAL CONSULTANTS, PA.
- STORMWATER CONTROL MEASURES ARE CONCEPTUAL AND ARE SUBJECT TO FUTURE SIZING CALCULATIONS AND DESIGN.



### PRIEST, CRAVEN & ASSOCIATES, INC. LAND USE CONSULTANTS PLANNERS / LANDSCAPE DESIGNERS / SURVEYORS / ENGINEERS

SHEET # C1.01

3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488



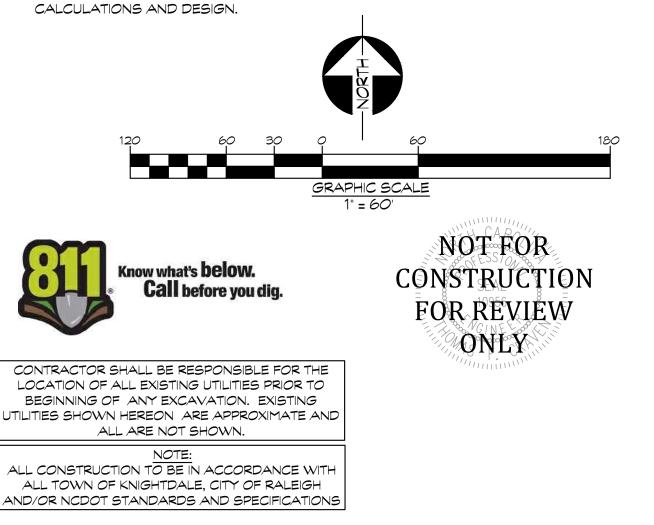
	PROPERTY LINE
	P/L NOT SURVEYED
	EASEMENT
	ADJOINER
XX	FENCE LINE
xss	
XST	
	UNDERGROUND POWER
	FIBER OPTIC/COMMUNICATION
TS	
XWL	WATERLINE
	UNDERGROUND TELEPHONE
	100 YR FLOODPLAIN
	GUARD RAIL

### SURVEY SYMBOL LEGEND

	_ AC UNIT	GW	_GUY WIRE	WL WATER LINE
BFV_	BACK FLOW VALVE	IV	_ IRRIGATION VALVE	HB WATER LINE HOTBOX
0	_ BOLLARD	¢	LIGHT POLE	WATER LINE MANHOLE
	_ CABLE PEDESTAL	<i>O</i> H	_OVERHANG	⊕ WATER METER
CV_	_ CABLE VAULT	0E	OVERHEAD ELECTRIC	$\bowtie$ WATER VALVE
	_ CATCH BASIN	RCP	_ REINFORCED CONCRETE	W WELL
Ø _	_ CLEAN OUT		DRAINAGE PIPE	TARD INLET
св _	_ COMMUNICATION BOX	S	_ SEWER MANHOLE	
$\Box_{-}$	_ CURB INLET	D	_STORM MANHOLE	PROPERTY CORNERS
Ē	_ ELECTRIC BOX	JB	STORM JUNCTION BOX	CONC MONUMENT SET
EV	_ ELECTRICAL VAULT	<u> \\.</u>	_SWAMP	CONC MONUMENT FOUN
V_	_ FIRE HYDRANT	Τ	_ TELEPHONE PEDESTAL	PROP CORNER FOUND
FL	_ FENCE LINE	T	_ TELEPHONE MANHOLE	△ COMPUTED POINT
F <i>O</i>	_ FIBER OPTIC	€	_ TEMPORARY BENCHMARK	O CONTROL CORNER
FOV_	_ FIBER OPTIC VAULT	<b>(</b>	TREE	$\bigcirc$ IRON PIPE SET
$\gamma$ -	_ FLARED END SECTION	UE	UNDERGROUND ELECTRIC	IPF IRON PIPE FOUND
G	_GAS	UP	UNDERGROUND POWER	HATCH LEGEND
Ŕ	_ GAS VALVE	UT	UNDERGROUND TELEPHONE	
$\boxtimes$	_ GRATED INLET	സ_	UTILITY POLE	TRASH/DEBRIS
				EXISTING RIPRAP

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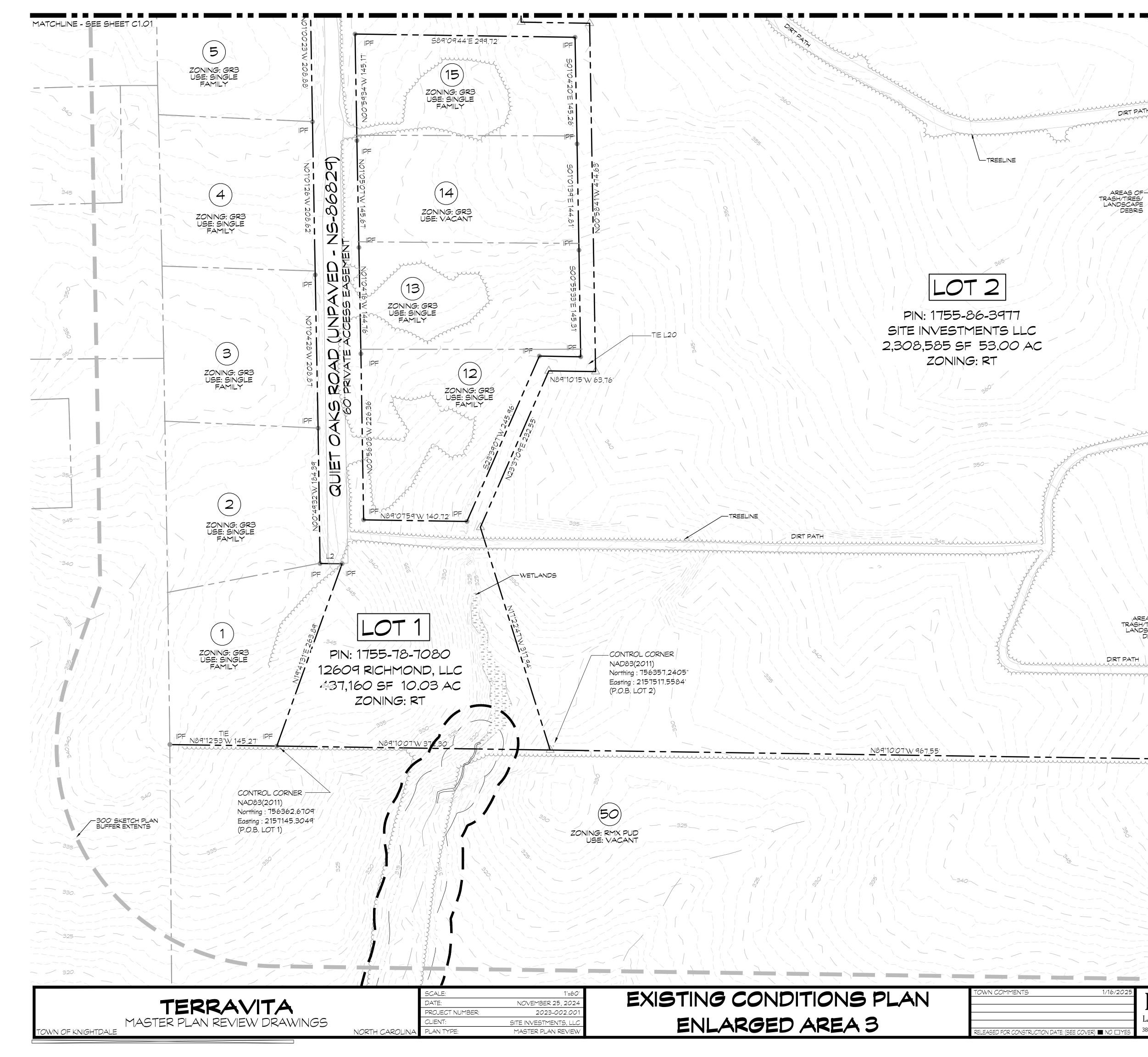
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1/16/20



SHEET # C1.02



DIRT PATH

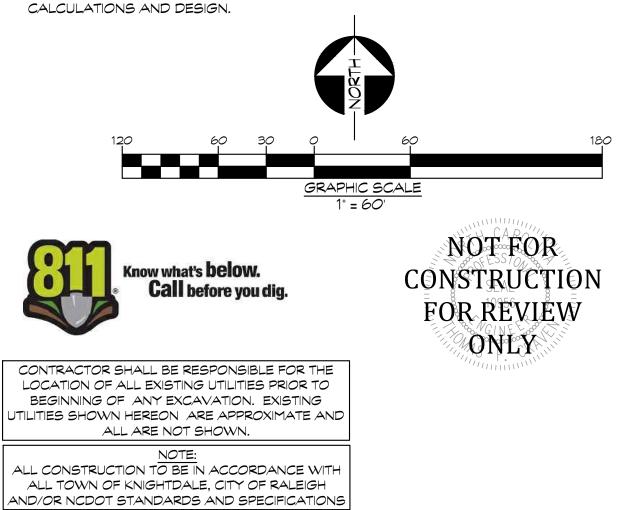
	PROPERTY LINE
	P/L NOT SURVEYED
	EASEMENT
	ADJOINER
XX	FENCE LINE
xss	SANITARY SEWER
xst	
	UNDERGROUND POWER
	FIBER OPTIC/COMMUNICATION
TS	
XWL	
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	100 YR FLOODPLAIN
	GUARD RAIL

### SURVEY SYMBOL LEGEND

	_ AC UNIT	GW	_GUY WIRE	WL WATER LINE
BFV	_ BACK FLOW VALVE	IV	_ IRRIGATION VALVE	HB WATER LINE HOTBOX
0	_ BOLLARD	¢	LIGHT POLE	WATER LINE MANHOLE
	_ CABLE PEDESTAL	<i>O</i> H	_OVERHANG	
CV	_ CABLE VAULT	0E	OVERHEAD ELECTRIC	$\bowtie$ WATER VALVE
	_ CATCH BASIN	RCP	_ REINFORCED CONCRETE	M WELL
Ø _	_ CLEAN OUT		DRAINAGE PIPE	TARD INLET
св	_COMMUNICATION BOX	S	_ SEWER MANHOLE	PROPERTY CORNERS
$\square$	_ CURB INLET	D	_STORM MANHOLE	FROFERT CORNERS
E	_ ELECTRIC BOX	JB	_STORM JUNCTION BOX	CONC MONUMENT SET
EV	_ ELECTRICAL VAULT	<u> </u>	_SWAMP	CONC MONUMENT FOUN
V_	_ FIRE HYDRANT	Τ	_ TELEPHONE PEDESTAL	PROP CORNER FOUND
FL	_ FENCE LINE	Ū	_ TELEPHONE MANHOLE	△ COMPUTED POINT
F <i>O</i>	_ FIBER OPTIC	€	_ TEMPORARY BENCHMARK	O CONTROL CORNER
FOV_	_ FIBER OPTIC VAULT	(***) 	TREE	O IRON PIPE SET
$Y_{-}$	_ FLARED END SECTION	UE	UNDERGROUND ELECTRIC	IPF IRON PIPE FOUND
G	_gas	UP	UNDERGROUND POWER	HATCH LEGEND
Ø_	_ GAS VALVE	UT	UNDERGROUND TELEPHONE	
$\boxtimes$	_ GRATED INLET	സ_	UTILITY POLE	TRASH/DEBRIS
				EXISTING RIPRAP

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SHEET #

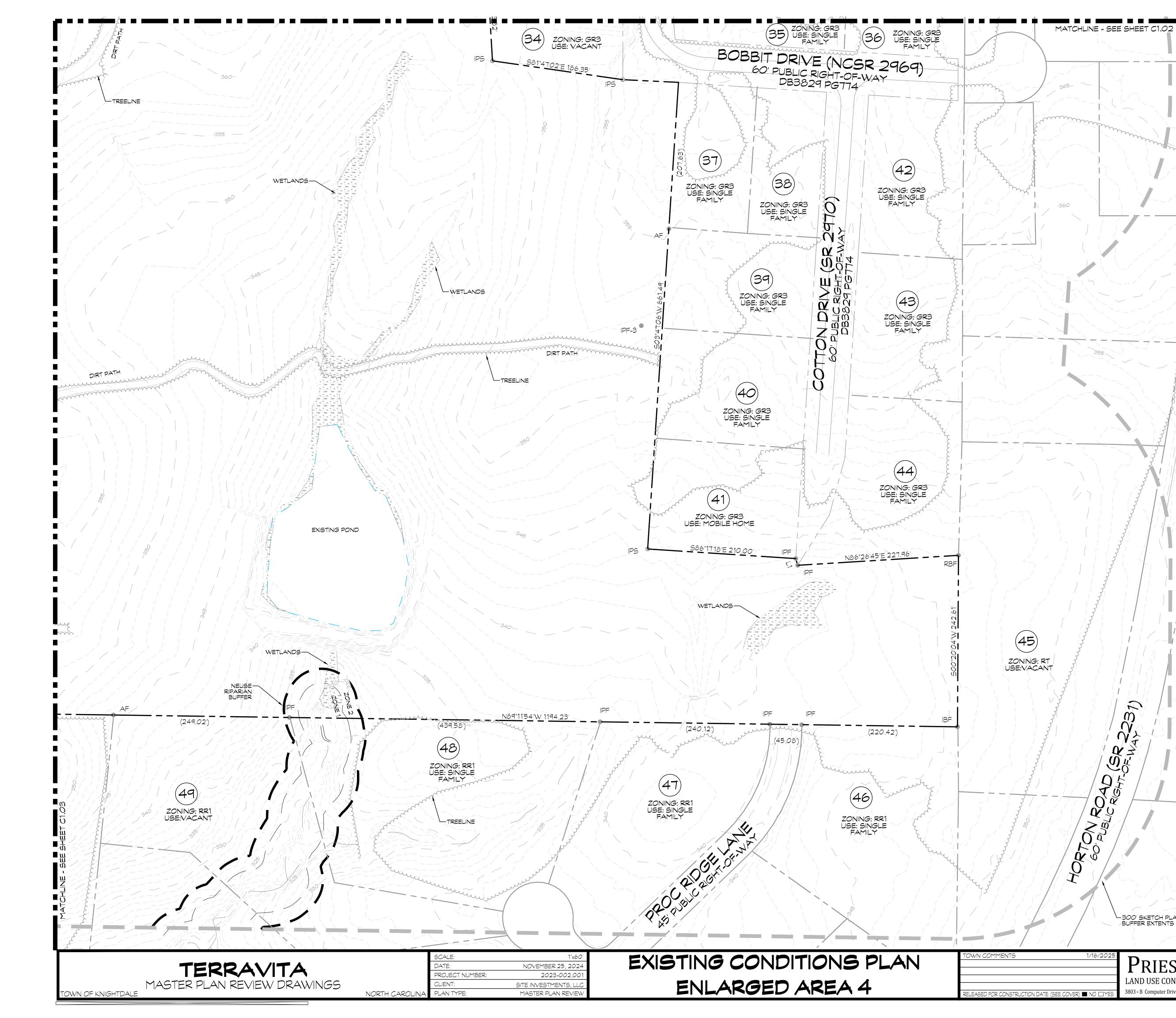
C1.03



AREAS OF-

TRASH/TIRES/ LANDSCAPE DEBRIS

DIRT PATH



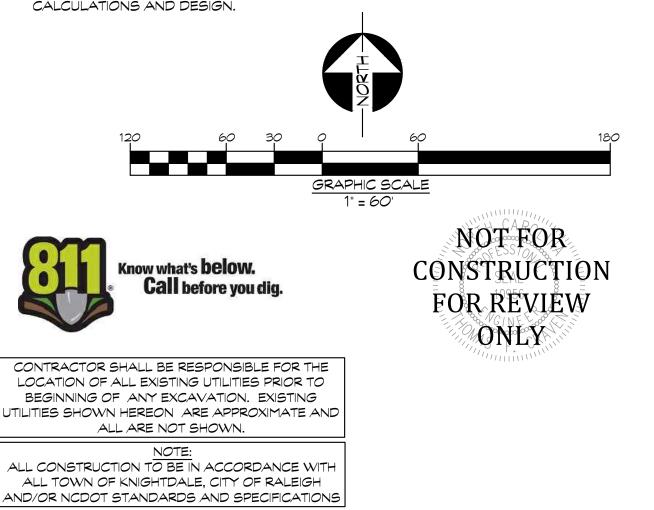
	PROPERTY LINE
	P/L NOT SURVEYED
	EASEMENT
	ADJOINER
XX	FENCE LINE
xss	
XST	
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TS	
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UT	UNDERGROUND TELEPHONE
	100 YR FLOODPLAIN
00000	

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□	_ AC UNIT	GW	_ GUY WIRE	WL WATER LINE
3FV	_ BACK FLOW VALVE	IV	RRIGATION VALVE	HB WATER LINE HOTBOX
0	_ BOLLARD	¢	LIGHT POLE	$\bigcirc$ WATER LINE MANHOLE
	_ CABLE PEDESTAL	<i>O</i> H	OVERHANG	⊕ WATER METER
CV	_ CABLE VAULT	0E	OVERHEAD ELECTRIC	$\bowtie$ WATER VALVE
	_ CATCH BASIN	RCP	REINFORCED CONCRETE	M WELL
Ø	_ CLEAN OUT		DRAINAGE PIPE	YARD INLET
св	_COMMUNICATION BOX	S	_ SEWER MANHOLE	PROPERTY CORNERS
$\square$	_ CURB INLET	$\mathbb{D}_{}$	_ STORM MANHOLE	PROPERTY CORINERS
E	_ ELECTRIC BOX	JB	STORM JUNCTION BOX	CONC MONUMENT SET
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V_	FIRE HYDRANT	Τ	_ TELEPHONE PEDESTAL	PROP CORNER FOUND
FL	_ FENCE LINE	T	_ TELEPHONE MANHOLE	$\triangle$ COMPUTED POINT
F <i>O</i>	FIBER OPTIC	€	_ TEMPORARY BENCHMARK	O CONTROL CORNER
FOV_	_ FIBER OPTIC VAULT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TREE	$\bigcirc$ IRON PIPE SET
$\gamma$ _	_ FLARED END SECTION	UE	UNDERGROUND ELECTRIC	IPF IRON PIPE FOUND
G	_GAS	UP	UNDERGROUND POWER	HATCH LEGEND
\$L	_ GAS VALVE	UT	UNDERGROUND TELEPHONE	
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SHEET # C1.04

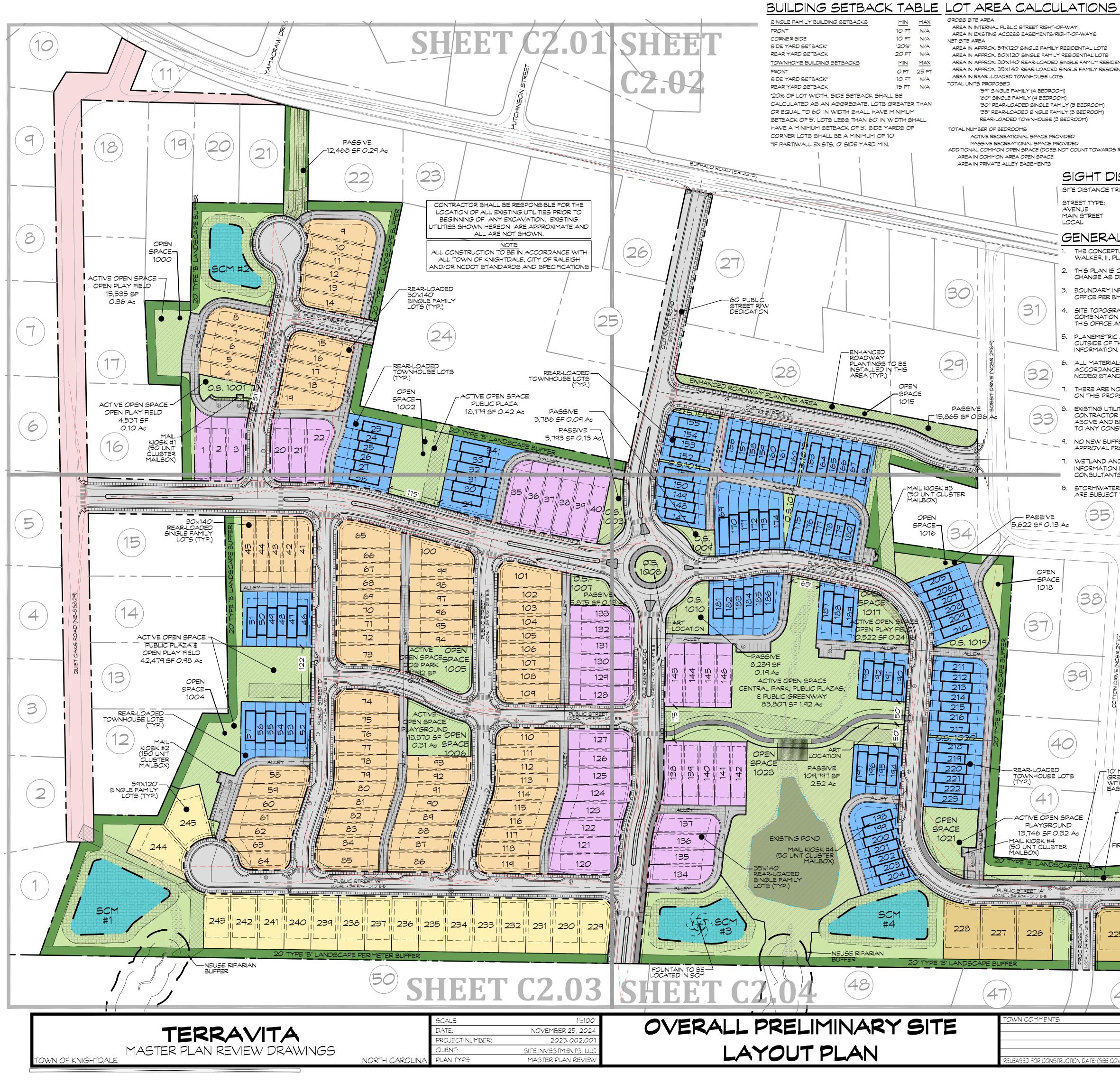
3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488

-300' SKETCH PLAN BUFFER EXTENTS

1

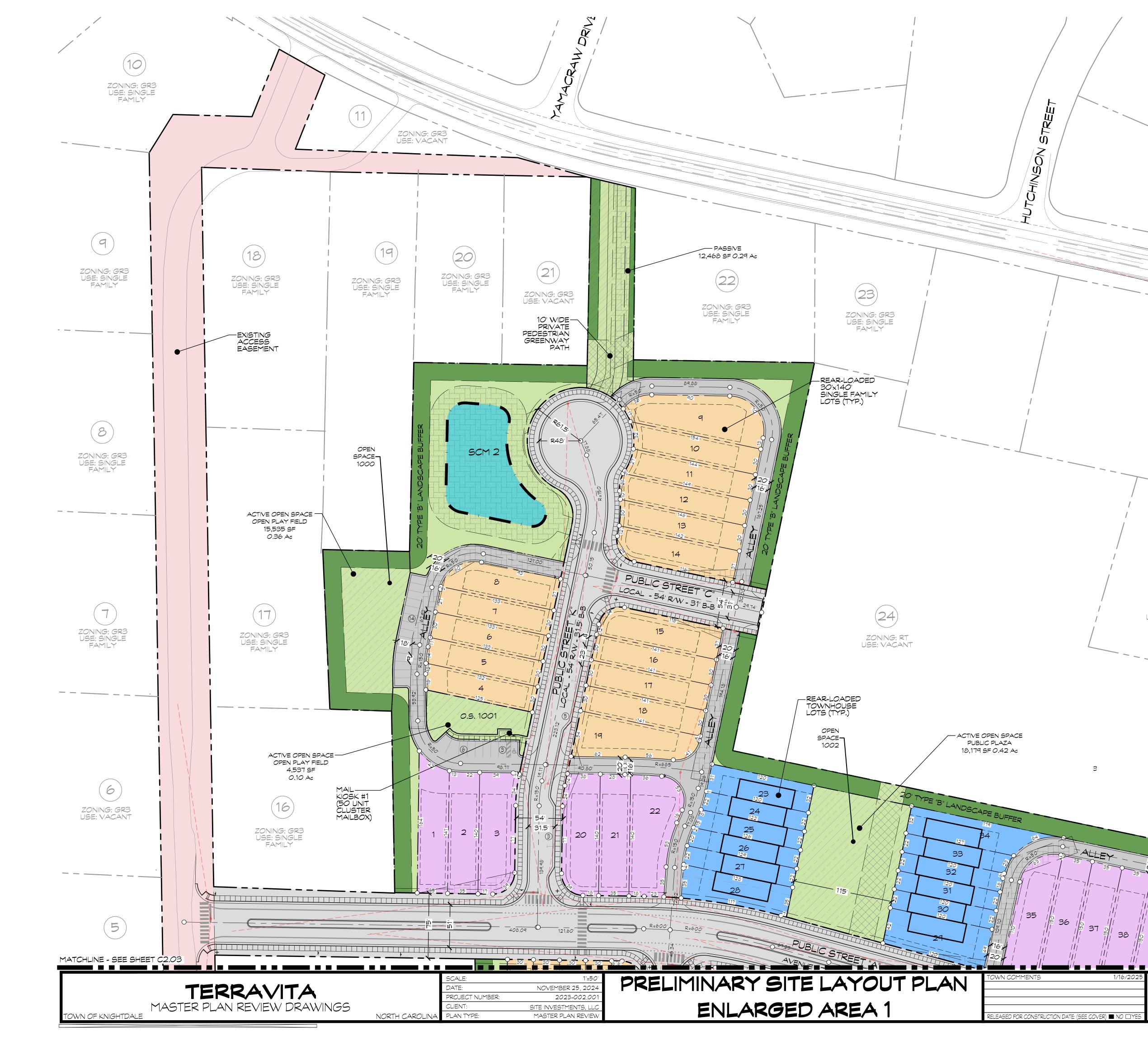
M

QZ



<u>NS</u> OPE	EN SF	AC		AKE,	$A \mid$	ADL								
60.68 AC	TOTAL OP		TIVE PEN				OPEN	PASSIN OPEN		1UM PASSI	√E	c	PEN	COMMON OPEN
2.72 AC LOT NC 44.78 AC TS 11.76% 2.90 AC 1000	AREA (SF	F) AREA	ACE A (SF) 535			ELEMENTS		SPAC AREA (9 12,468	F)		NWAY, BENC			SPACE AREA (SF 52,720
DTS         4.56%         1.13 AC         1001           RESIDENTIAL LOTS         35.27%         8.71 AC         1002	,	18,	4,537 OPEN PLAY FIELD, BENCH, TRAGH ( 18,179 PUBLIC PLAZA 0			RASH CAN	0	1	PRIVATE GREENWAY, BENCH, TRASH CAN					
RESIDENTIAL LOTS         19.44%         4.80 AC         1004           28.96%         7.15 AC         1005	147,476 11,792	9 42, 11,	,479 792	PUBLIC	DOC	OPEN PLA 5 PARK	Y FIELD	0					`	34 104,997 0
245 4.0 UN/AC 1006 17 1007 5 1007	5,875 3,739	(	370 0 0		PLAY E	QUIPMENT		0 5,875 3,739		PUBL	ATWALL, 1 <sup>-</sup> IC ART DISP	_AY		0 0 0
1) 83 <u>1009</u> 1) 39 1011	3,786 8,239 564		0 0 0					3,786 8,234 0			ATWALL, 1 <sup>-</sup> ATWALL, 1 <sup>-</sup>			0 0 564
101 1013 757 1014	944 600 1,709	(	0 0 0					0000						944 600 1,709
5.02 AC 1015 3.93 AC 1016 11114 AC 1017	15,865	(	0 0 522			BENCH 1	TRASH CAN	15,86 5,622 0			OADSIDE LA BENCH, 1 TR		G	0 22,094 0
(ARDS REQUIREMENTS) 11.14 AC 1017 1018 7.82 AC 1019 3.32 AC 1020	36,654 3,072	4,8	522 520 0 0	OF LIGFL	,	GREENWAY		0						31,834 3,072
DISTANCE 1020 1021	13,746	13,	0 746 0			,	TRASH CAN	0						607 0 9,662
CE TRIANGLE	(SF) 730,422		,807 787,0	CENTRAL		EN PLAY FI BREENWAY	ELD, PUBLIC	109,79 171,15	7 ART,		OF NAT. RES BENCHES, 2	,		95,788 340,484
E: LENGTH: TOTALS ( 350'			02					3.93						7.82
Г 250' 250'		T A	RE,	$A T_{/}$	ABL	E							·	
RAL NOTES:	LOT #	(AC) 0.12	(SF) 5,235	LOT #	(AC) 0.06	(SF) 2,647	LOT #		F) LO			LOT #	(AC) 0.06	(SF) 2,671
CEPTUAL PLAN WAS PREPARED BY CHARLES R. , III, PLA AND ENTITLEMENT PRESERVATION GROUP.	2	0.12	4,906		0.09	4,123		,	100 16	-		222	0.06	2,671
N IS CONCEPTUAL IN NATURE AND SUBJECT TO AS DESIGN PROGRESSES.	3	0.13	5,792	58	0.12	5,360			197 16			223	0.09	3,885
RY INFORMATION IS TAKEN FROM A SURVEY BY TH	4 IIS 5	0.09 0.09	3,862 3,982	-	0.10 0.10	4,390 4,393		,	65 16  49 17			224 225	0.22 0.24	9,522 10,579
ER BM2018 PG1383. OGRAPHIC INFORMATION IS TAKEN FROM A	6	0.09	3,990	61	0.10	4,385	116		49 1-		· /	226	0.22	9,527
ATION OF DATA FROM A SURVEY PERFORMED BY ICE AND WAKE COUNTY GIS INFORMATION.	7 	0.09 0.11	3,990 4,578	62 63	0.10 0.09	4,382 4,056		,	92 17		· ,	227 228	0.22 0.23	9,528 9,901
ETRIC AND TOPOGRAPHIC INFORMATION FOR AREA: OF THIS SITE ARE TAKEN FROM WAKE COUNTY GI		0.16	6,797	64	0.10	4,305		,	66 17		, ,	229	0.18	8,054
TION.	10	0.10 0.10	4,415 4,360	65 66	0.17 0.10	7,304 4,200		,	195 17 145 17		. ,	23 <i>0</i> 231	0.16 0.16	7,100 7.099
ERIALS AND CONSTRUCTION SHALL BE IN STRICT ANCE WITH THE TOWN OF KNIGHTDALE, NCDOT, AI STANDARDS AND SPECIFICATIONS.		0.10	4,484		0.10	4,200		,	543 17		,	232	0.16	7,098
RE NO FEMA DESIGNATED FLOOD ZONES LOCATED PROPERTY	<b>)</b> 13	0.10 0.12	4,306		0.10 0.10	4,200		,	38 17 53 17		,	233	0.16	7,097
UTILITIES SHOWN ARE APPROXIMATE.	15	0.12	5,083		0.10	4,200		,	853 17 818 18		,	234 235	0.16 0.16	7,096 7,095
CTOR RESPONSIBLE FOR LOCATION OF ALL EXISTIN AND BELOW GROUND UTILITY FIELD LOCATION PRIC CONSTRUCTION.	OR 16	0.10	4,230 4,230	_	0.10	4,200 4,200		,	520 18		. ,	236	0.16	7,094
BUFFER IMPACTS SHALL OCCUR PRIOR TO	17 18	0.10 0.10	4,230		0.10 0.15	6,485		,		0.00 03 0.00	,	237 238	0.16 0.16	7,093 7,092
AL FROM NCDEQ. D AND STREAM BUFFER LOCATIONS ARE BASED	19	0.13	5,618	74	0.16	6,862	129			0.00	,	239	0.16	7,091
TION PROVIDED BY SOIL & ENVIRONMENTAL TANTS, PA.	20 	0.13 0.11	5,817 4,900	75 76	0.10 0.10	4,200 4,200	13 <i>0</i> 131		00 18 00 18		,	240 241	0.16 0.16	7,090 7,089
ATER CONTROL MEASURES ARE CONCEPTUAL AN JECT TO FUTURE SIZING CALCULATIONS AND DESIG		0.16	6,885	- 77	0.10	4,200	132	0.11 4,4	00 18	0.0	4,037	242	0.16	7,088
	23	0.09 0.06	3,840 2,654		0.10	4,200	133 134		157 18 24 18	0.00 9 0.00	,	243 	0.16 0.22	7,097
5) (36)	25	0.06	2,723		0.10	4,175	135		119 19		. ,	245	0.22	9,510
	26 	0.06 0.07	2,809		0.10 0.10	4,149	136 137	,		11 0.05	,		OPE	
	28	0.10	4,372		0.10	4,150		,		12 0.01 13 0.08	,	LOT #		
	29 	0.12 0.06	5,403 2,640		0.10	4,184	139	,	00 19			1000	1.85	80,72
	31	0.06	2,640	_	0.15 0.14	6,446 6,306	14 <i>0</i> 141		00 19 100 19			1001	0.12	5,300
	32	0.06	2,641	87	0.10	4,189	142		00 10			1002 1003	0.76 0.13	33,275 5,794
(42)!	33 	0.06 0.10	2,702 4,549	88  89	0.10 0.10	4,153 4,149	143 144	,	00 19			1004	3.39	147,47
	35	0.14	5,952	90	0.10	4,149	145	0.11 4,4	00 20	0.0	5 2,144	1005 1006	0.27 0.31	11,792 13,370
	36 	0.12 0.12	5,248 5,248	91  92	0.10	4,168 4.198	146 147		.43 20			1007	0.13	5,875
	38	0.12	5,248	93	0.10	4,200	148	0.06 2,	461 20	0.0	5 2,155	1008 1009	0.09 0.09	3,739 3,786
Z	39 	0.12 0.12	5,249 5,232		0.10 0.10	4,200		· /	461 20 473 20			1010	0.19	8,239
	41	0.12	5,287	96	0.10	4,200		,	20 20			1011 1012	0.01 0.02	564 944
(43)	42	0.10 0.10	4,400	-11	0.10	4,200		. ,	98 20			1013	0.01	600
	45	0.10	4,400	98 	0.10 0.10	4,200 4,216		,	461 20 452 20			1014 1015	0.04 0.36	1,709
	45	0.10	4,401	100	0.15	6,479			24 21			1015	0.56	27,716
-10' MULTI-USE GREENWAY PATH	46 47	0.09 0.06	3,840 2,640	101 102	0.15 0.10	6,735 4,200		,	2 2 240 2			1017	0.24	10,52
EASEMENT (44)	48	0.06	2,640		0.10	4,200		,	,40 2			1018 1019	0.84 0.07	36,65 3,072
ACTIVE OPEN SPACE	49 50	0.06 0.06	2,640 2,640		0.10 0.10	4,200 4,200			21 240 21			1020	0.01	607
PUBLIC GREENWAY   4,820 SF 0.11 Ac	51	0.09	3,840	106	0.10	4,200		0.06 2,6	21			1021 1022	0.32 0.22	13,746 9,662
TEMPORARY	52 53	0.09 0.06	3,840 2,640	107 108	0.10 0.10	4,200 4,200			2 <sup>40</sup> 2 <sup>40</sup> 2 <sup>40</sup> 2 <sup>40</sup>		´	1023	6.64	289,39
	54	0.06	2,640	109	0.14	6,026		0.06 2,6		19 0.00	· /			
	55	0.06	2,640	110	0.13	5,466	165	0.06 2,6	940 22	20 0.00	5 2,671		NORTH -	
								_					N S S S S S S S S S S S S S S S S S S S	
				20		10	00 5			100	,			30
OPEN				l				G	RAPHIC 1" = 10					
225 224 SPACE 1022	A.	TON		<b>P</b>						-				
	CÔN	PORES.	51()1,9	57 2	N									
	- 8			EW	. •									
46 SINGLE FAMILY LOTS (TYP.)		ON	EY											
	/			/ /										
1/16/2025		VE	זאי	0	Λ	- 				ΙΝ	ſ	GL	HEE"	T #
Ρριγςτ Ι			4 171	X1	H			ДЧ						1 11 .
PRIEST, C									•				2.0	

OPEN SPACE AREA TABLE



### HATCH LEGEND:

	INTERNAL PUBLIC STREET RIGHT-OF-WAY				
	PUBLIC STREET RIGHT-OF-WAY DEDICATION				
	EXISTING ACCESS EASMENT				
	59'X120' SINGLE FAMILY RESIDENTIAL LOT				
	80'X120' SINGLE FAMILY RESIDENTIAL LOT				
	30'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT				
	35'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT				
	REAR-LOADED TOWNHOUSE LOT				
	ACTIVE RECREATIONAL OPEN SPACE				
	PASSIVE RECREATIONAL OPEN SPACE				
	COMMON OPEN SPACE				
	PRIVATE ALLEY EASEMENT				
	ENHANCED ROADSIDE PLANTED AREA				
	20' TYPE "B" LANDSCAPE BUFFER				
	STORMWATER CONTROL MEASURE				
	STORMWATER MAINTENANCE & ACCESS EASEMENT				
	DRAINAGE EASEMENT				
	CORPUD PUBLIC SEWER EASEMENT				
GENERAL NOTES:					

THE CONCEPTUAL PLAN WAS PREPARED BY CHARLES R. WALKER, 111, PLA AND ENTITLEMENT

PRESERVATION GROUP.

(25)

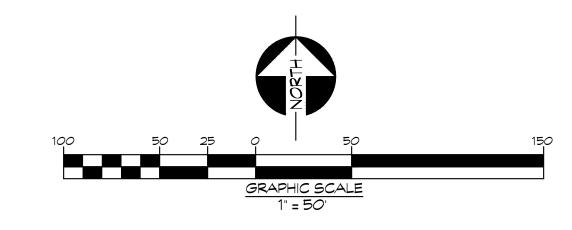
ZONING: RT USE: SINGLE

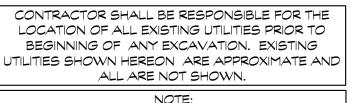
FAMILY

39

40

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- B. BOUNDARY INFORMATION IS TAKEN FROM A SURVEY BY THIS OFFICE.
- 4. SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A COMBINATION OF DATA FROM A SURVEY PERFORMED BY THIS OFFICE AND WAKE COUNTY GIS INFORMATION.
- . PLANEMETRIC AND TOPOGRAPHIC INFORMATION FOR AREAS OUTSIDE OF THIS SITE ARE TAKEN FROM WAKE COUNTY GIS INFORMATION.
- . ALL MATERIALS AND CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE TOWN OF KNIGHTDALE, NCDOT, AND NCDEQ STANDARDS AND SPECIFICATIONS.
- THERE ARE NO FEMA DESIGNATED FLOOD ZONES LOCATED ON THIS PROPERTY
- EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING ABOVE AND BELOW GROUND UTILITY FIELD LOCATION PRIOR TO ANY CONSTRUCTION.
- 9. NO NEW BUFFER IMPACTS SHALL OCCUR PRIOR TO APPROVAL FROM NCDEQ.
- 10. WETLAND AND STREAM BUFFER LOCATIONS ARE SUBJECT TO FIELD VERIFICATION.
- 1. STORMWATER CONTROL MEASURES ARE CONCEPTUAL AND ARE SUBJECT TO FUTURE SIZING CALCULATIONS AND DESIGN.





ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS





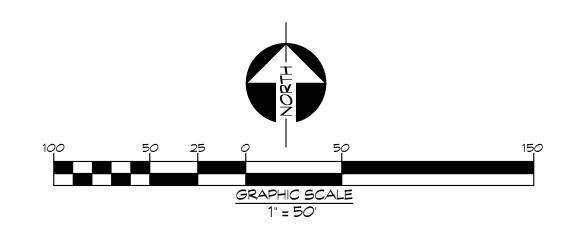
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	EGEND:
	INTERNAL PUBLIC STREET RIGHT-OF-WAY
	PUBLIC STREET RIGHT-OF-WAY DEDICATION
	EXISTING ACCESS EASMENT
	59'X120' SINGLE FAMILY RESIDENTIAL LOT
	80'X120' SINGLE FAMILY RESIDENTIAL LOT
	30'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT
	35'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT
	REAR-LOADED TOWNHOUSE LOT
	ACTIVE RECREATIONAL OPEN SPACE
	PASSIVE RECREATIONAL OPEN SPACE
	COMMON OPEN SPACE
	PRIVATE ALLEY EASEMENT
	ENHANCED ROADSIDE PLANTED AREA
	20' TYPE "B" LANDSCAPE BUFFER
	STORMWATER CONTROL MEASURE
	STORMWATER MAINTENANCE & ACCESS EASEMENT
$\sim$	DRAINAGE EASEMENT
$\times$	CORPUD PUBLIC SEWER EASEMENT

- GENERAL NOTES:
- 1. THE CONCEPTUAL PLAN WAS PREPARED BY CHARLES R. WALKER, III, PLA AND ENTITLEMENT PRESERVATION GROUP.
- 2. THIS PLAN IS CONCEPTUAL IN NATURE AND SUBJECT TO CHANGE AS DESIGN PROGRESSES.
- 3. BOUNDARY INFORMATION IS TAKEN FROM A SURVEY BY THIS OFFICE.
- 4. SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A COMBINATION OF DATA FROM A SURVEY PERFORMED BY THIS OFFICE AND WAKE COUNTY GIS INFORMATION.
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- 11. STORMWATER CONTROL MEASURES ARE CONCEPTUAL AND ARE SUBJECT TO FUTURE SIZING CALCULATIONS AND DESIGN.



### CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY EXCAVATION. EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE AND ALL ARE NOT SHOWN.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS

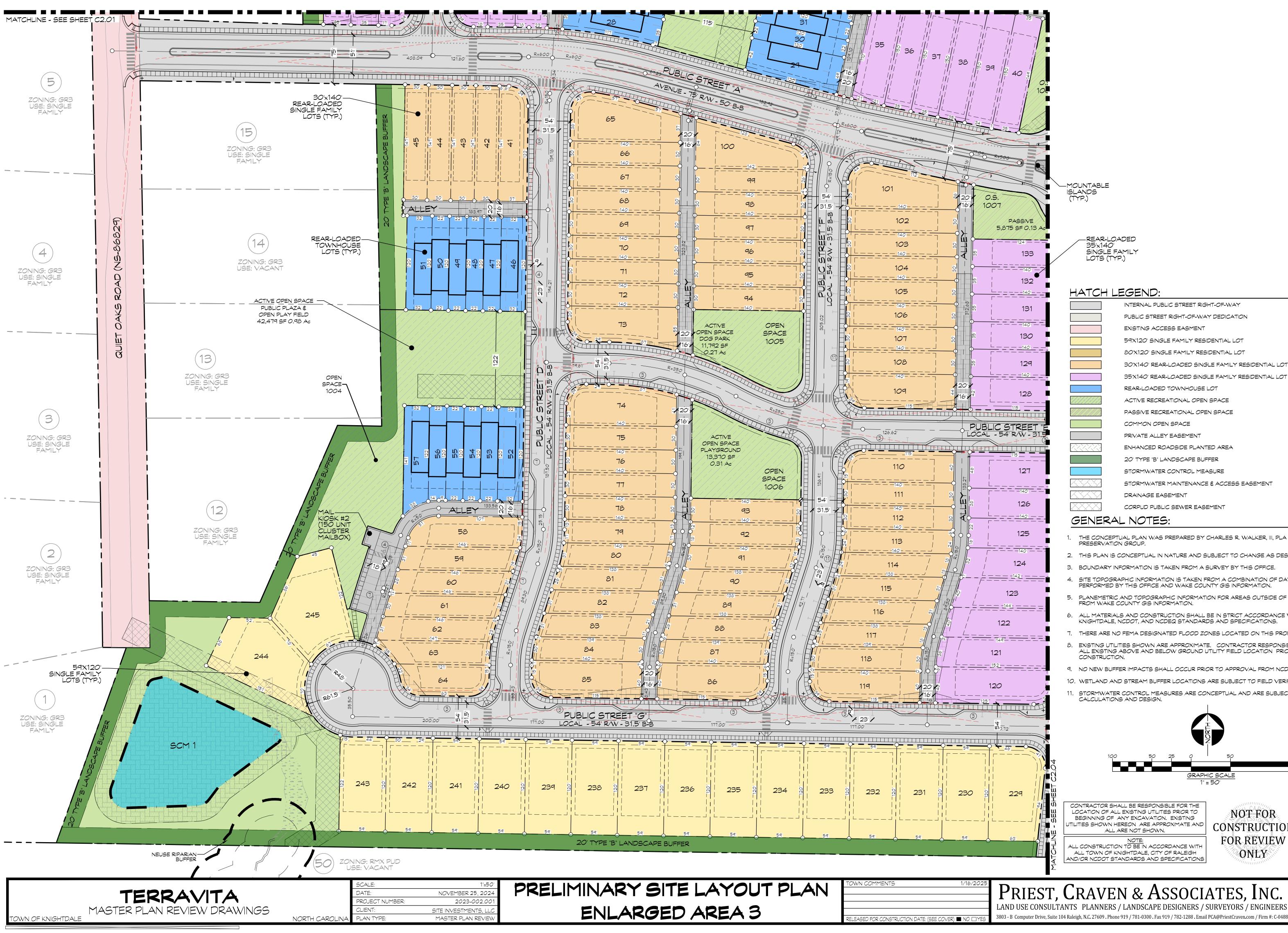


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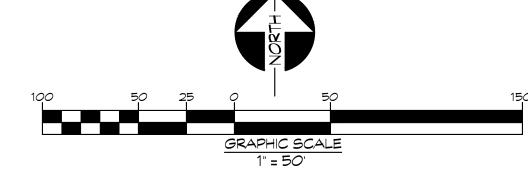


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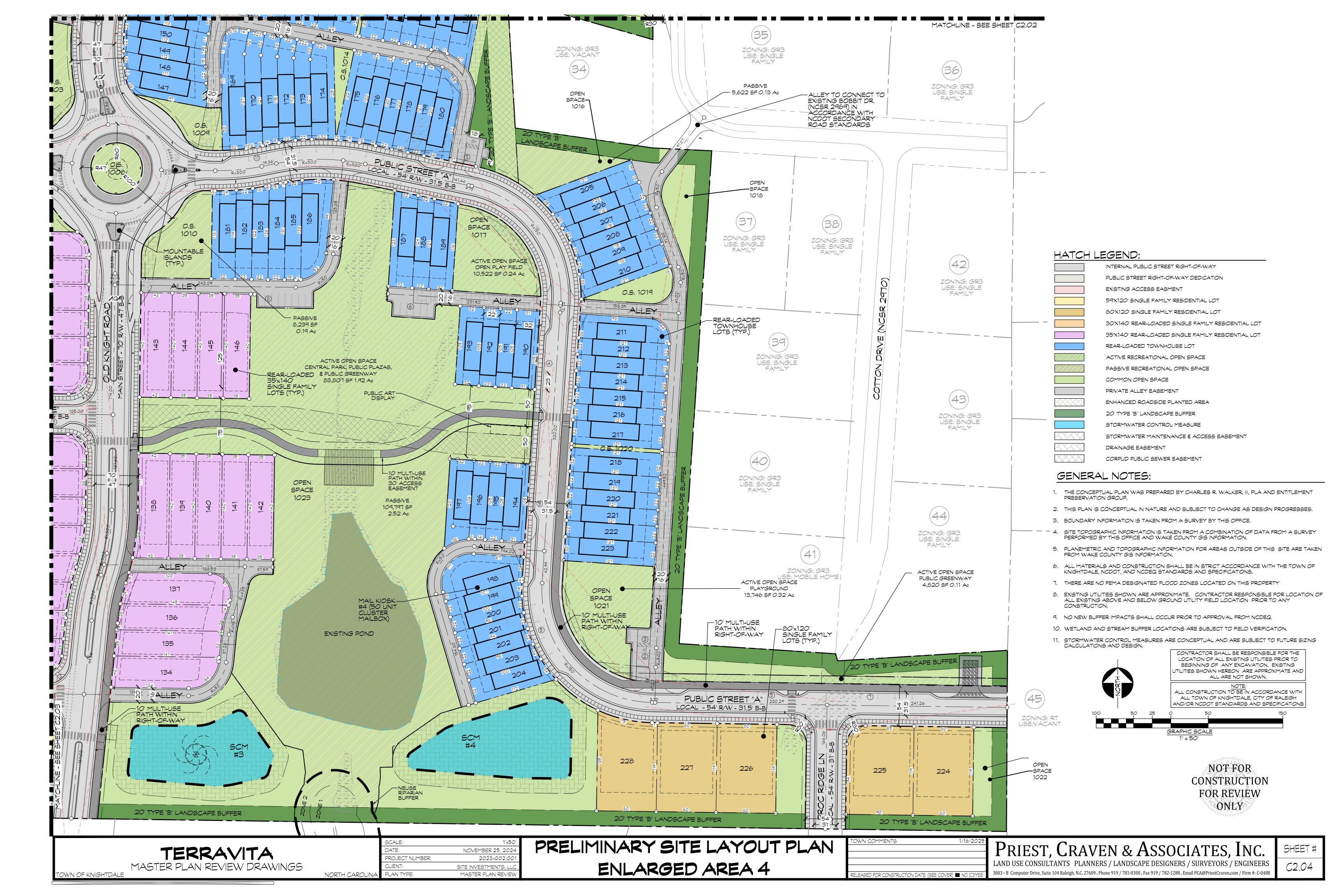
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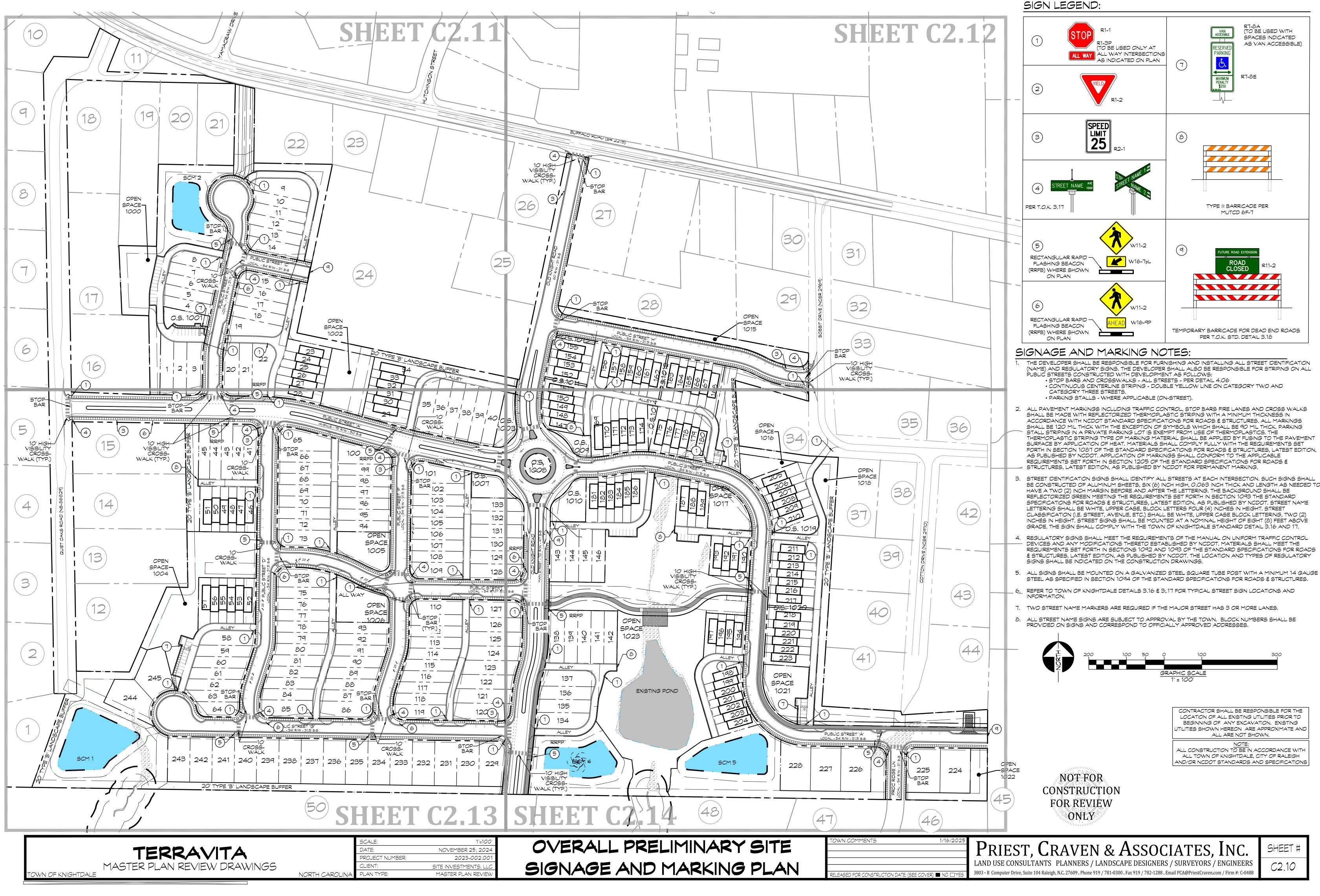
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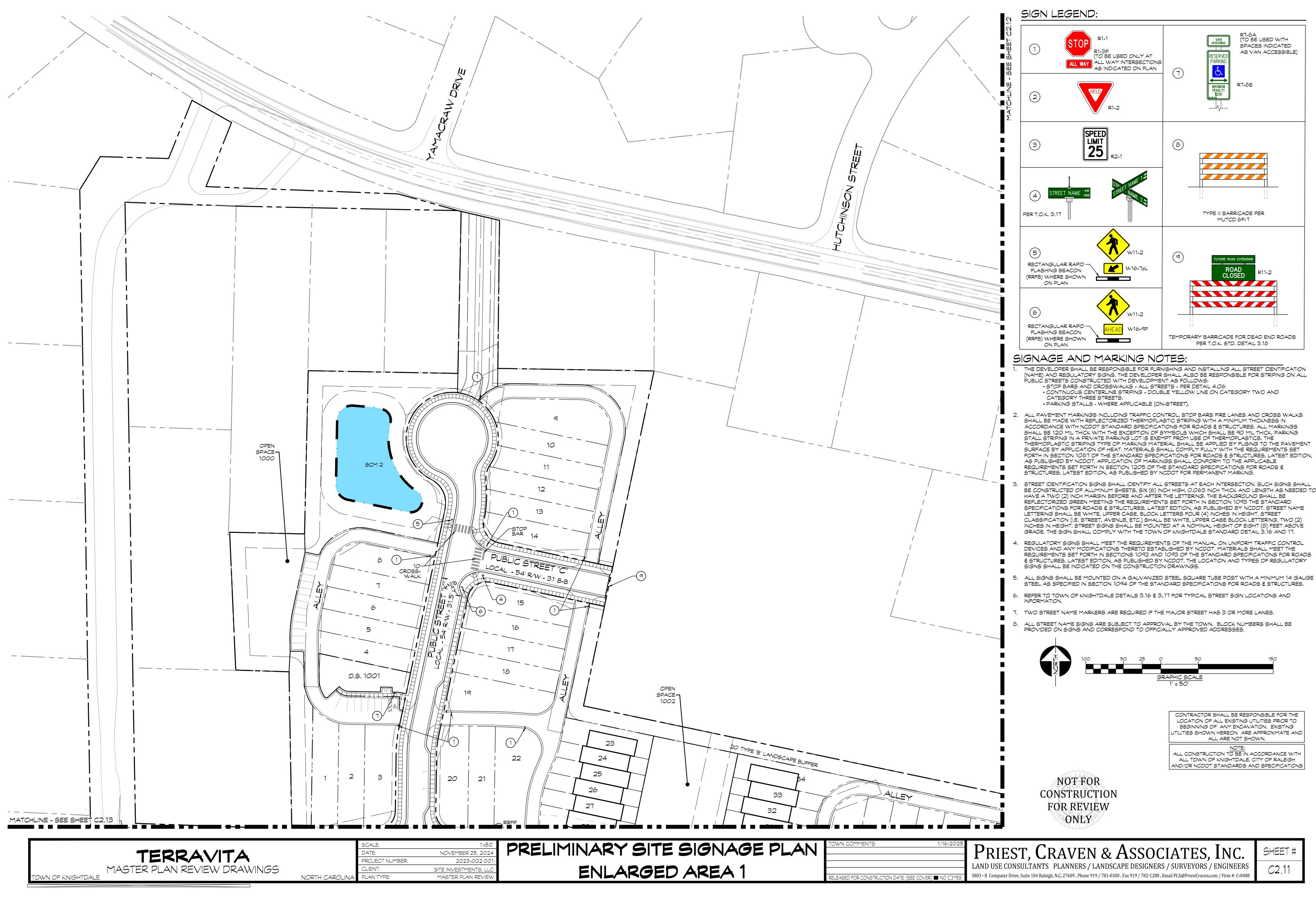


NOT FOR CONSTRUCTION FOR REVIEW



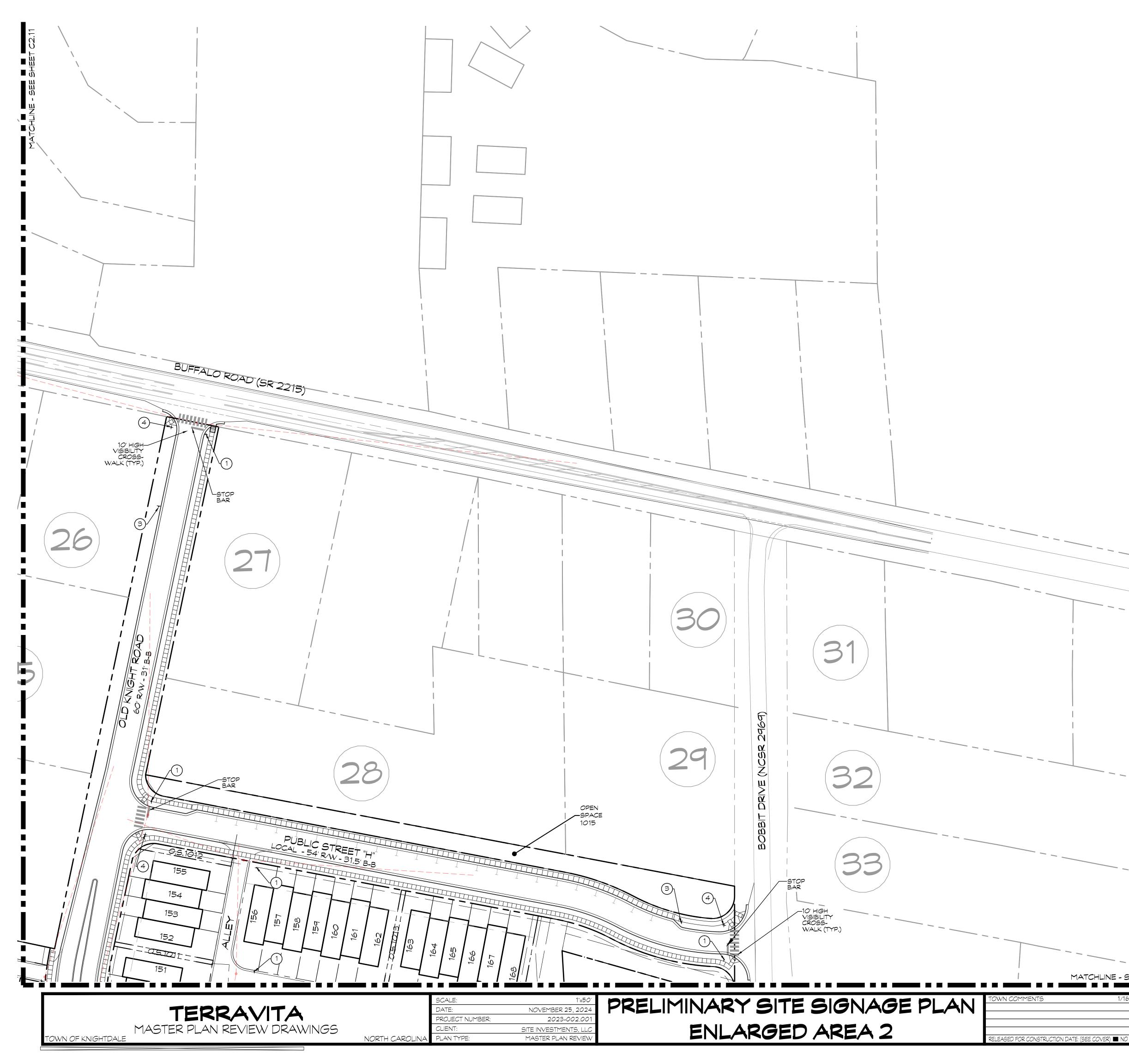


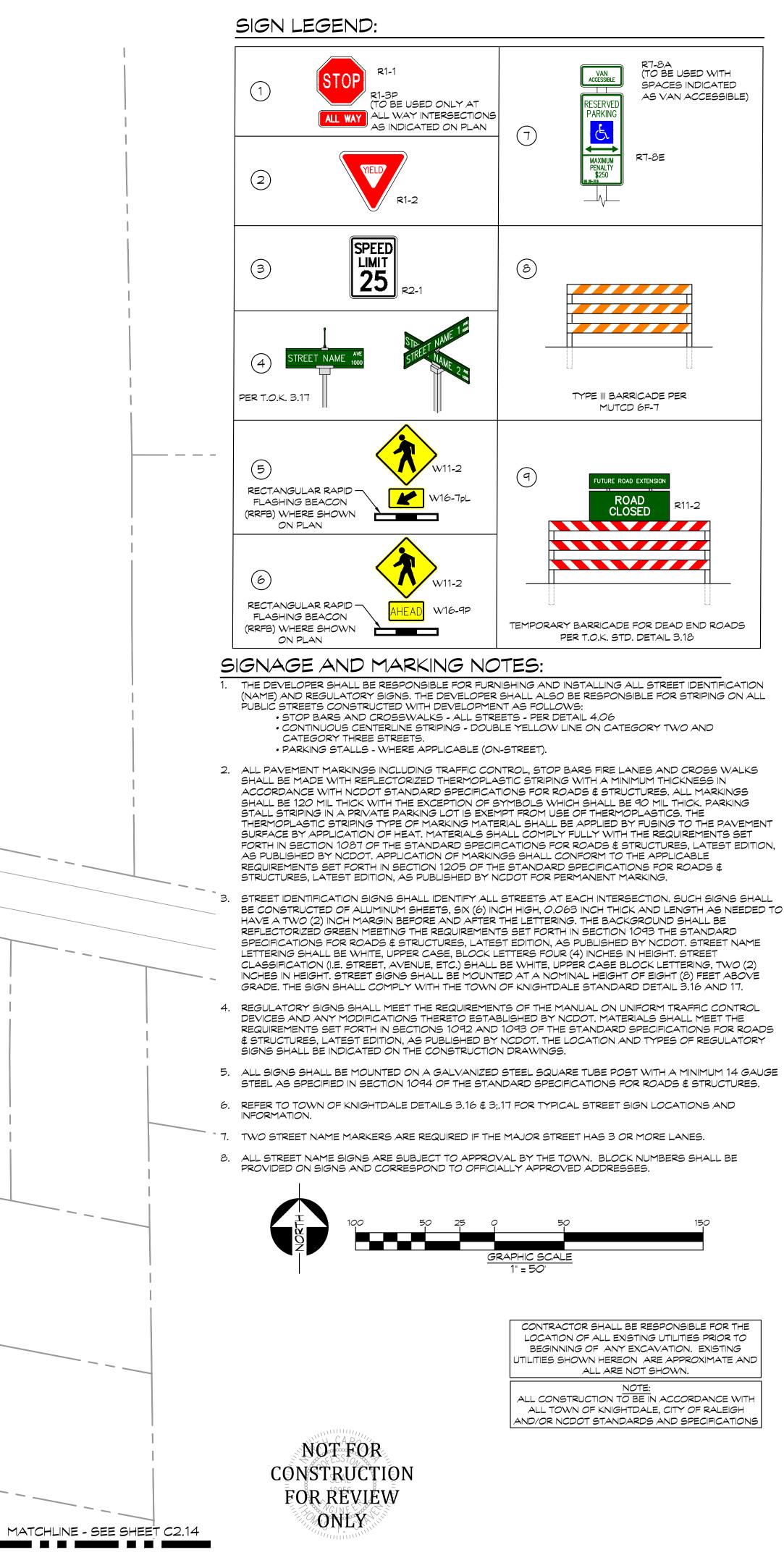




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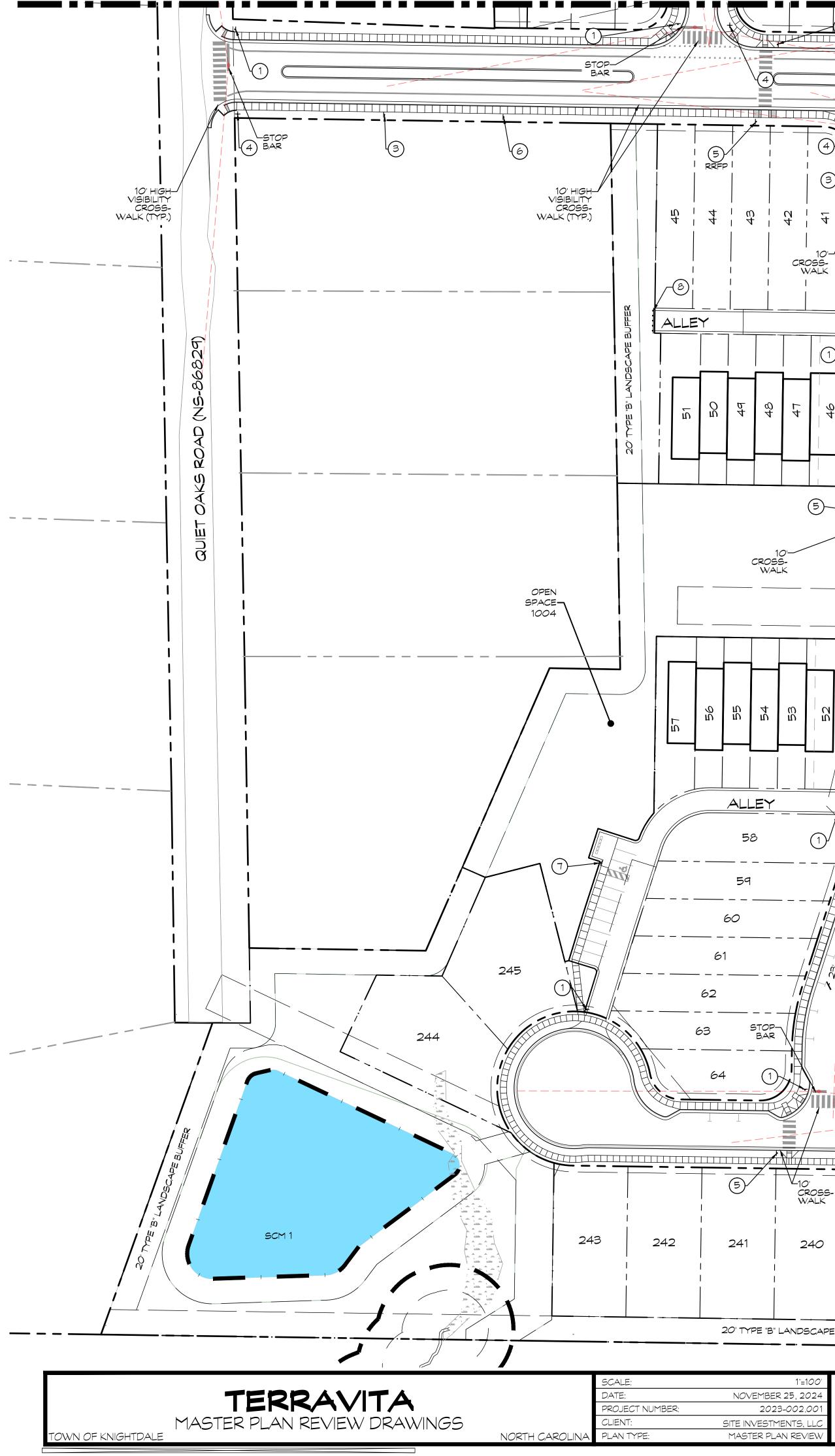
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NOVEMBER 25, 20 2023-002.0 SITE INVESTMENTS, MASTER PLAN REVI

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CROSS-

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WALK

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BAR

## PRELIMINARY SITE SIGNAGE PLAN ENLARGED AREA 3

ASED FOR CONSTRUCTION DATE: (SEE CO

VN COMMENTS

105 72  $|U \rangle$ a⊿ 106 5-72 OPEN SPACE 107 1005 CROSS-WALK 108 ر '23 <sup>י</sup> 109 -STOP BAR 74 ு பி \_\_\_\_\_ -() -4 (1)75 ALL WAY <u></u> ДЭЭ 5 й й 110 OPEN SPACE 77 1006 -STOP BAR 111 (TYP) 78 ALLEY 93 112 58 79 92 113 80 59 114 81 90 115 82 89 116 83 88 117 84 STOP-BAR STOP-BAR 87 118 86 119 PUBLIC STREET "G" LOCAL - 54 R/W - 31.5 B-B V\_10' <u>~10'</u> CROSS-WALK (5)CROSS-WALK 240 239 238 237 236 235 234 233 232 231 20' TYPE "B" LANDSCAPE BUFFER

PUBLIC STREET "A"

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RRFP

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WALK

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PUBLIC STREET "E Local - 54' R/123- 51.5

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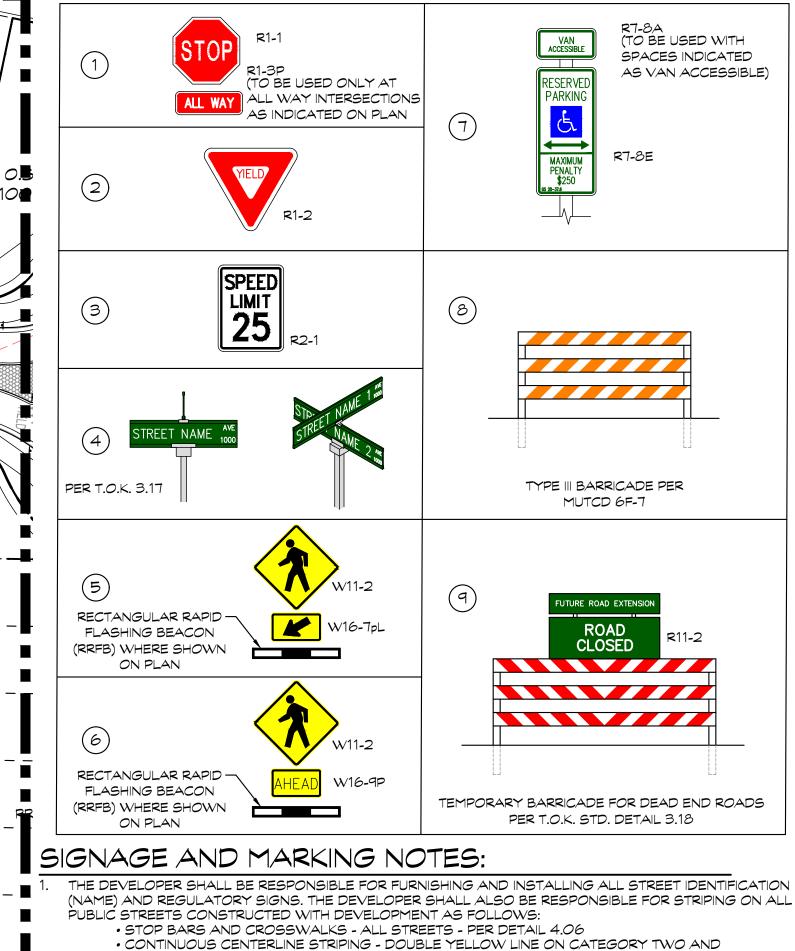
STOP-BAR

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CATEGORY THREE STREETS.

· PARKING STALLS - WHERE APPLICABLE (ON-STREET)

ALL PAVEMENT MARKINGS INCLUDING TRAFFIC CONTROL, STOP BARS FIRE LANES AND CROSS WALKS SHALL BE MADE WITH REFLECTORIZED THERMOPLASTIC STRIPING WITH A MINIMUM THICKNESS IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES. ALL MARKINGS 3HALL BE 120 MIL THICK WITH THE EXCEPTION OF SYMBOLS WHICH SHALL BE 90 MIL THICK. PARKING STALL STRIPING IN A PRIVATE PARKING LOT IS EXEMPT FROM USE OF THERMOPLASTICS. THE THERMOPLASTIC STRIPING TYPE OF MARKING MATERIAL SHALL BE APPLIED BY FUSING TO THE PAVEMENT SURFACE BY APPLICATION OF HEAT. MATERIALS SHALL COMPLY FULLY WITH THE REQUIREMENTS SET FORTH IN SECTION 1087 OF THE STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES, LATEST EDITION, AS PUBLISHED BY NCDOT. APPLICATION OF MARKINGS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS SET FORTH IN SECTION 1205 OF THE STANDARD SPECIFICATIONS FOR ROADS \$ STRUCTURES, LATEST EDITION, AS PUBLISHED BY NCDOT FOR PERMANENT MARKING.

STREET IDENTIFICATION SIGNS SHALL IDENTIFY ALL STREETS AT EACH INTERSECTION. SUCH SIGNS SHALL BE CONSTRUCTED OF ALUMINUM SHEETS, SIX (6) INCH HIGH, 0.063 INCH THICK AND LENGTH AS NEEDED TO HAVE A TWO (2) INCH MARGIN BEFORE AND AFTER THE LETTERING. THE BACKGROUND SHALL BE REFLECTORIZED GREEN MEETING THE REQUIREMENTS SET FORTH IN SECTION 1093 THE STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES, LATEST EDITION, AS PUBLISHED BY NCDOT. STREET NAME LETTERING SHALL BE WHITE, UPPER CASE, BLOCK LETTERS FOUR (4) INCHES IN HEIGHT. STREET CLASSIFICATION (I.E. STREET, AVENUE, ETC.) SHALL BE WHITE, UPPER CASE BLOCK LETTERING, TWO (2) INCHES IN HEIGHT. STREET SIGNS SHALL BE MOUNTED AT A NOMINAL HEIGHT OF EIGHT (8) FEET ABOVE GRADE. THE SIGN SHALL COMPLY WITH THE TOWN OF KNIGHTDALE STANDARD DETAIL 3.16 AND 17.

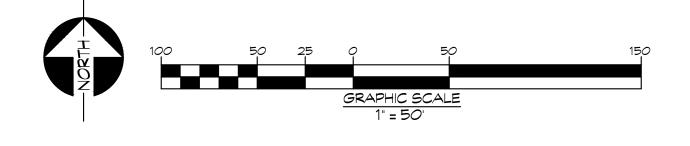
REGULATORY SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ANY MODIFICATIONS THERETO ESTABLISHED BY NCDOT. MATERIALS SHALL MEET THE REQUIREMENTS SET FORTH IN SECTIONS 1092 AND 1093 OF THE STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES, LATEST EDITION, AS PUBLISHED BY NCDOT. THE LOCATION AND TYPES OF REGULATORY SIGNS SHALL BE INDICATED ON THE CONSTRUCTION DRAWINGS.

ALL SIGNS SHALL BE MOUNTED ON A GALVANIZED STEEL SQUARE TUBE POST WITH A MINIMUM 14 GAUGE STEEL AS SPECIFIED IN SECTION 1094 OF THE STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES.

REFER TO TOWN OF KNIGHTDALE DETAILS 3.16 & 3;.17 FOR TYPICAL STREET SIGN LOCATIONS AND

TWO STREET NAME MARKERS ARE REQUIRED IF THE MAJOR STREET HAS 3 OR MORE LANES.

ALL STREET NAME SIGNS ARE SUBJECT TO APPROVAL BY THE TOWN. BLOCK NUMBERS SHALL BE PROVIDED ON SIGNS AND CORRESPOND TO OFFICIALLY APPROVED ADDRESSES.



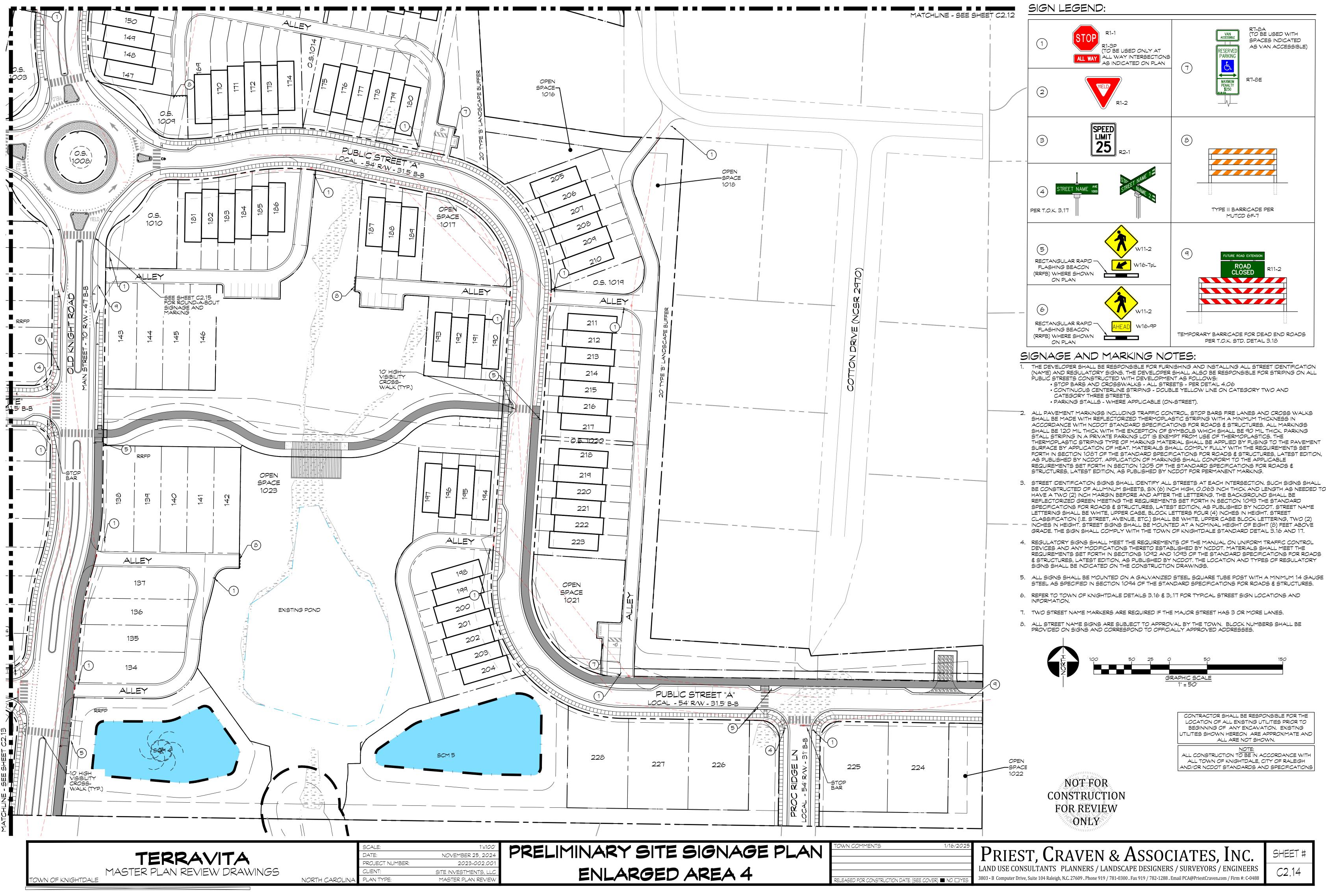


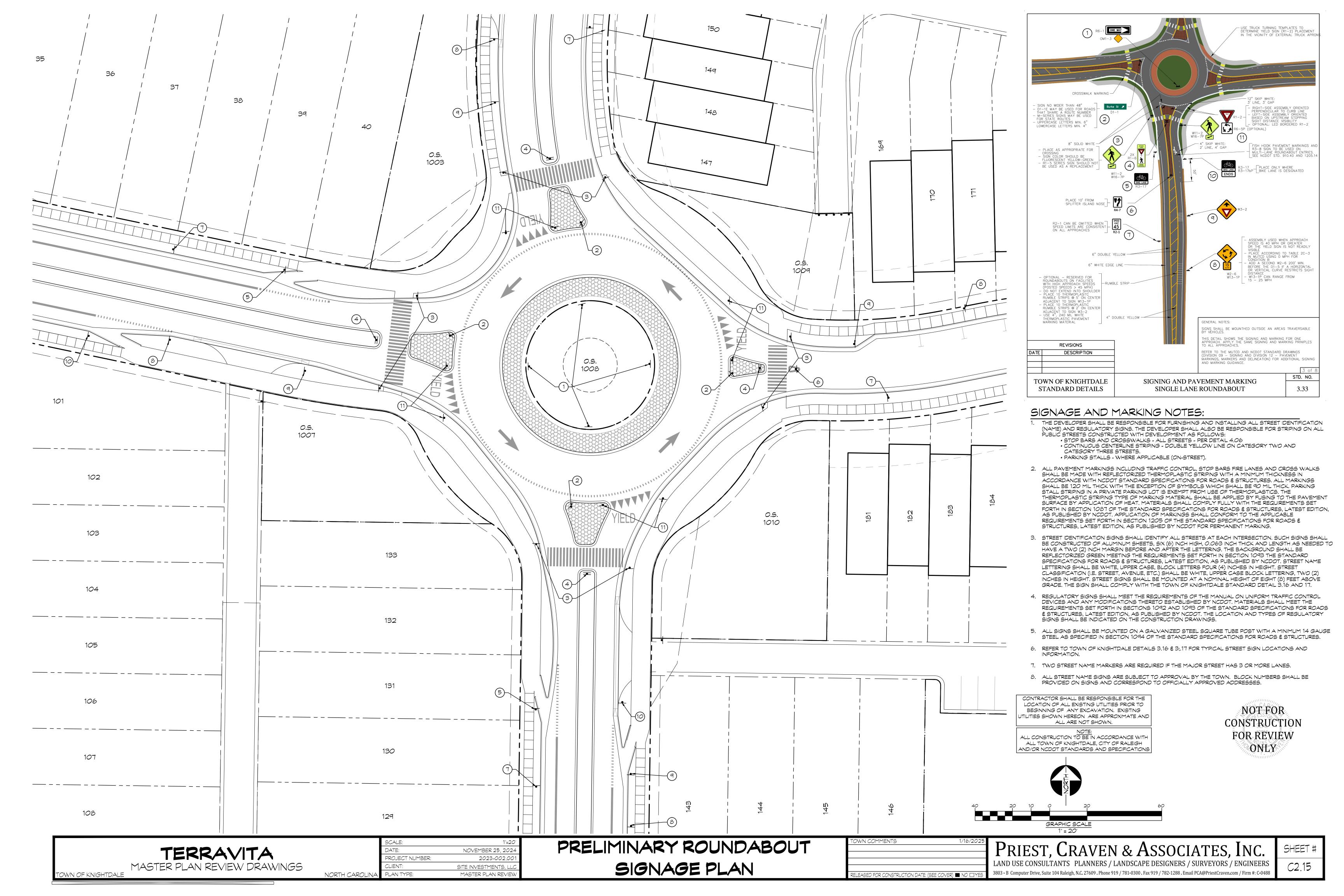
INFORMATION.

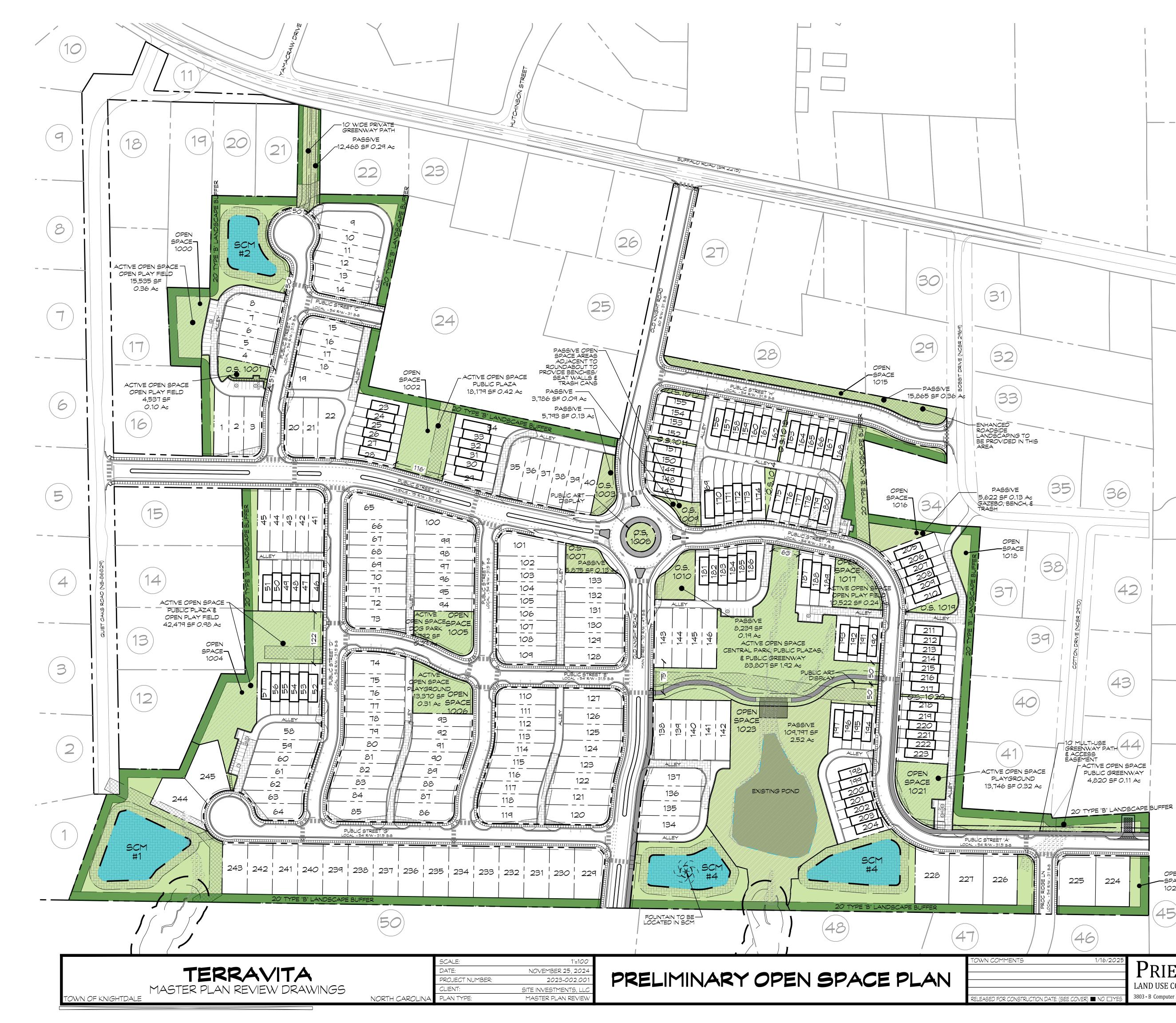
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PRIEST, CRAVEN & ASSOCIATES, INC. SHEET # LAND USE CONSULTANTS PLANNERS / LANDSCAPE DESIGNERS / SURVEYORS / ENGINEERS C2.13 3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488









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LOT NO.	TOTAL OPEN SPACE AREA (SF)	ACTIVE OPEN SPACE AREA (SF)	MINIMUM ACTIVE OPEN SPACE ELEMENTS	PASSIVE OPEN SPACE AREA (SF)	MINIMUM PASSIVE OPEN SPACE ELEMENTS	COMMON OPEN SPACE AREA (SF)
1000	80,723	15,535	OPEN PLAY FIELD	12,468	PRIVATE GREENWAY, BENCH, TRASH CAN	52,720
1001	5,300	4,537	OPEN PLAY FIELD, BENCH, TRASH CAN	0		763
1002	33,275	18,179	PUBLIC PLAZA	0		15,096
1003	5,794	0		5,760	1 BENCH/SEATWALL, 1 TRASH CAN	34
1004	147,476	42,479	PUBLIC PLAZA & OPEN PLAY FIELD	0		104,997
1005	11,792	11,792	DOG PARK	0		0
1006	13,370	13,370	PLAY EQUIPMENT	0		0
1007	5,875	0		5,875	1 BENCH/SEATWALL, 1 TRASH CAN	0
1008	3,739	0		3,739	PUBLIC ART DISPLAY	0
1009	3,786	0		3,786	1 BENCH/SEATWALL, 1 TRASH CAN	0
1010	8,239	0		8,239	1 BENCH/SEATWALL, 1 TRASH CAN	0
1011	564	0		0		564
1012	944	0		0		944
1013	600	0		0		600
1014	1,709	0		0		1,709
1015	15,865	0		15,865	ENHANCED ROADSIDE LANDSCAPING	0
1016	27,716	0		5,622	GAZEBO, 1 BENCH, 1 TRASH CAN	22,094
1017	10,522	10,522	OPEN PLAY FIELD, 1 BENCH, 1 TRASH CAN	0		0
1018	36,654	4,820	PUBLIC GREENWAY	0		31,834
1019	3,072	0		0		3,072
1020	607	0		0		607
1021	13,746	13,746	PLAY EQUIPMENT, 1 BENCH, 1 TRASH CAN	0		0
1022	9,662	0		0		9,662
1023	289,392	83,807	CENTRAL PARK, OPEN PLAY FIELD, PUBLIC PLAZA, GREENWAY	109,797	PRESERVATION OF NAT. RESOURCES, PUB. ART, GAZEBO, 2 BENCHES, 2 TRASH CANS	95,788
TOTALS (SF)	730,422	218,787		171,151		340,484
TOTALS (AC)	16.77	5.02		3.93		7.82

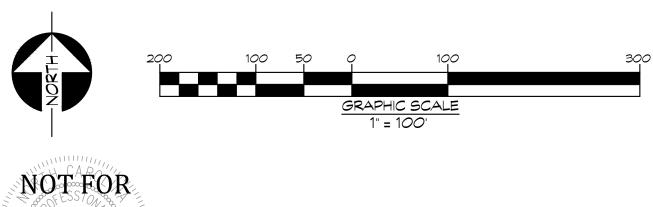
### OPEN SPACE CALCULATIONS

TOTAL NUMBER OF BEDROOMS			757
DEDICATION RATE (520/UNIT)	757 x 520	393640	9.04 AC
TOTAL RECREATIONAL OPEN SPACE REQUIRED (BEFORE	CREDITS)	393640	9.04 AC
CREDITS (PASSIVE OPEN SPACE)			
PARKWAY (PUB. ST. "H", 700 LF, 54' RW)	700 x 27	(18900)	(0.43) AC
PARKWAY (PUB. ST. "A", 545 LF, 54' RW)	545 x 27	(14715)	(0.34) AC
TOTAL PASSIVE OPEN SPACE CREDITS		(33615)	(0.77) AC
ACTIVE RECREATIONAL SPACE REQ'D	50%		4.52 AC
PASSIVE RECREATIONAL SPACE REQ'D	50% MINUS CR	EDITS ABOVE	3.75 AC
ACTIVE RECREATIONAL SPACE PROVIDED			5.02 AC
PASSIVE RECREATIONAL SPACE PROVIDED		11/1/1/	3.93 AC
TOTAL RECREATIONAL OPEN SPACE PROVIDED			8.95 AC
ADDITIONAL COMMON OPEN SPACE (DOES NOT COUNT T	OWARDS REQUIREMEN	TS)	11.14 AC
AREA IN COMMON AREA OPEN SPACE			7.82 AC
AREA IN PRIVATE ALLEY EASEMENTS			3.32 AC

### OPEN SPACE UDO NOTES:

1. ALL DEVELOPMENTS WITH MORE THAN EIGHT (8) RESIDENTIAL UNITS SHALL BE REQUIRED TO DEDICATE RECREATIONAL OPEN SPACE.

2. ALL SINGLE FAMILY DEVELOPMENTS WILL DEDICATE OPEN SPACE AT A RATE OF THREE AND ONE-HALF BEDROOMS PER UNIT UNLESS OTHERWISE STIPULATED. IN ABSENCE OF KNOWN BUILDING SPECIFICATIONS, DUPLEXES, TOWNHOMES, AND MULTIFAMILY WILL DEDICATE OPEN SPACE AT A RATE OF TWO AND ONE HALF BEDROOMS PER UNIT.



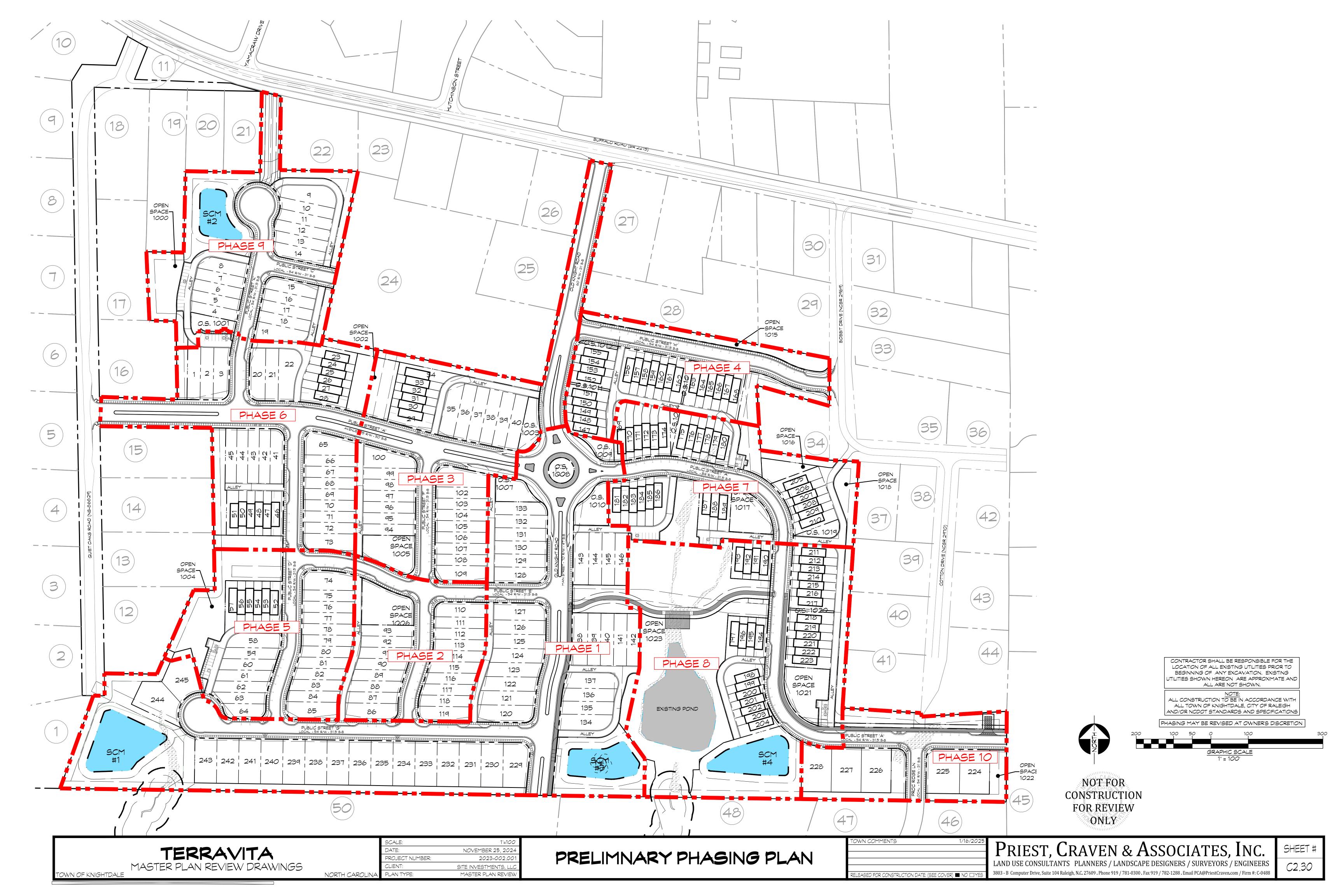


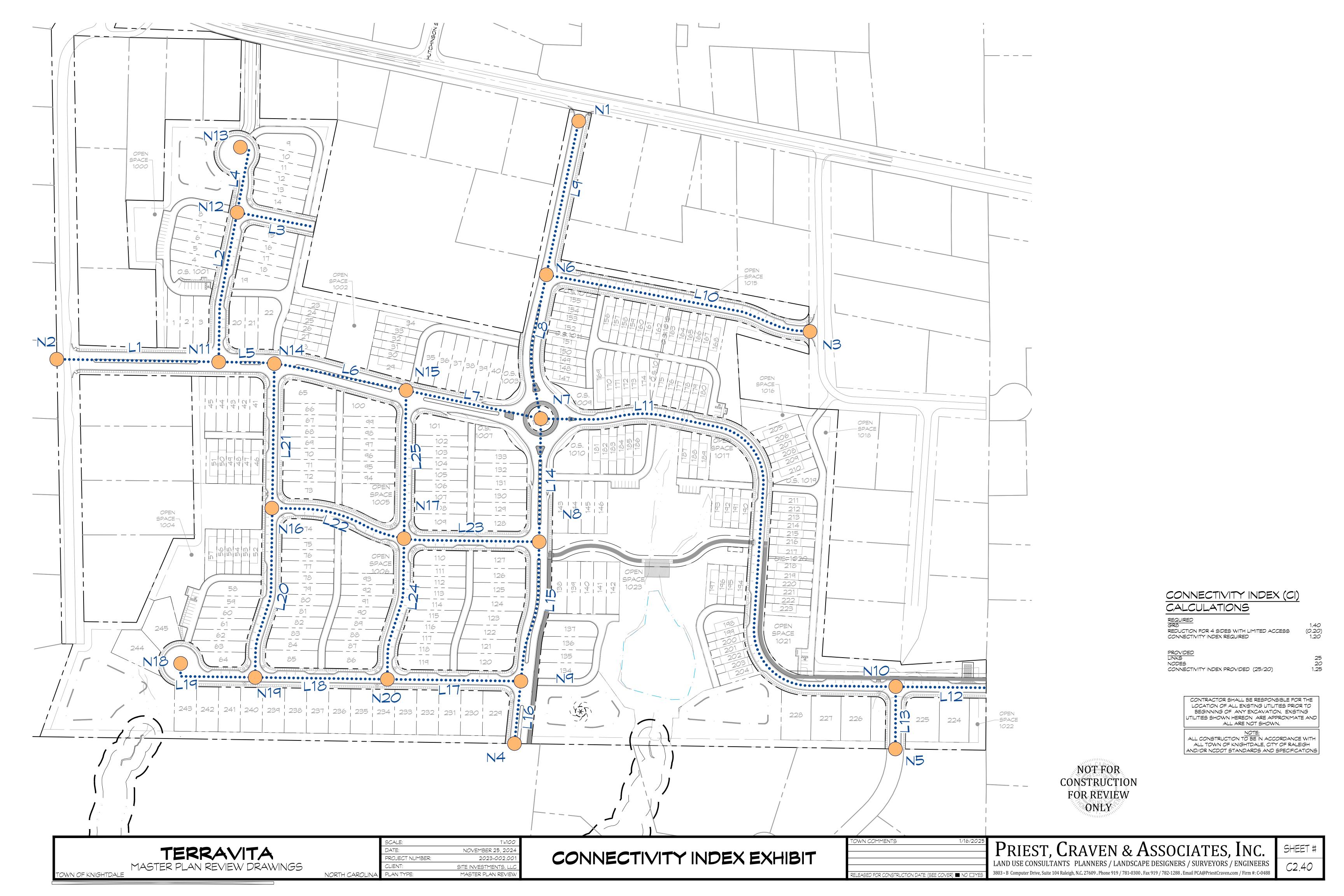
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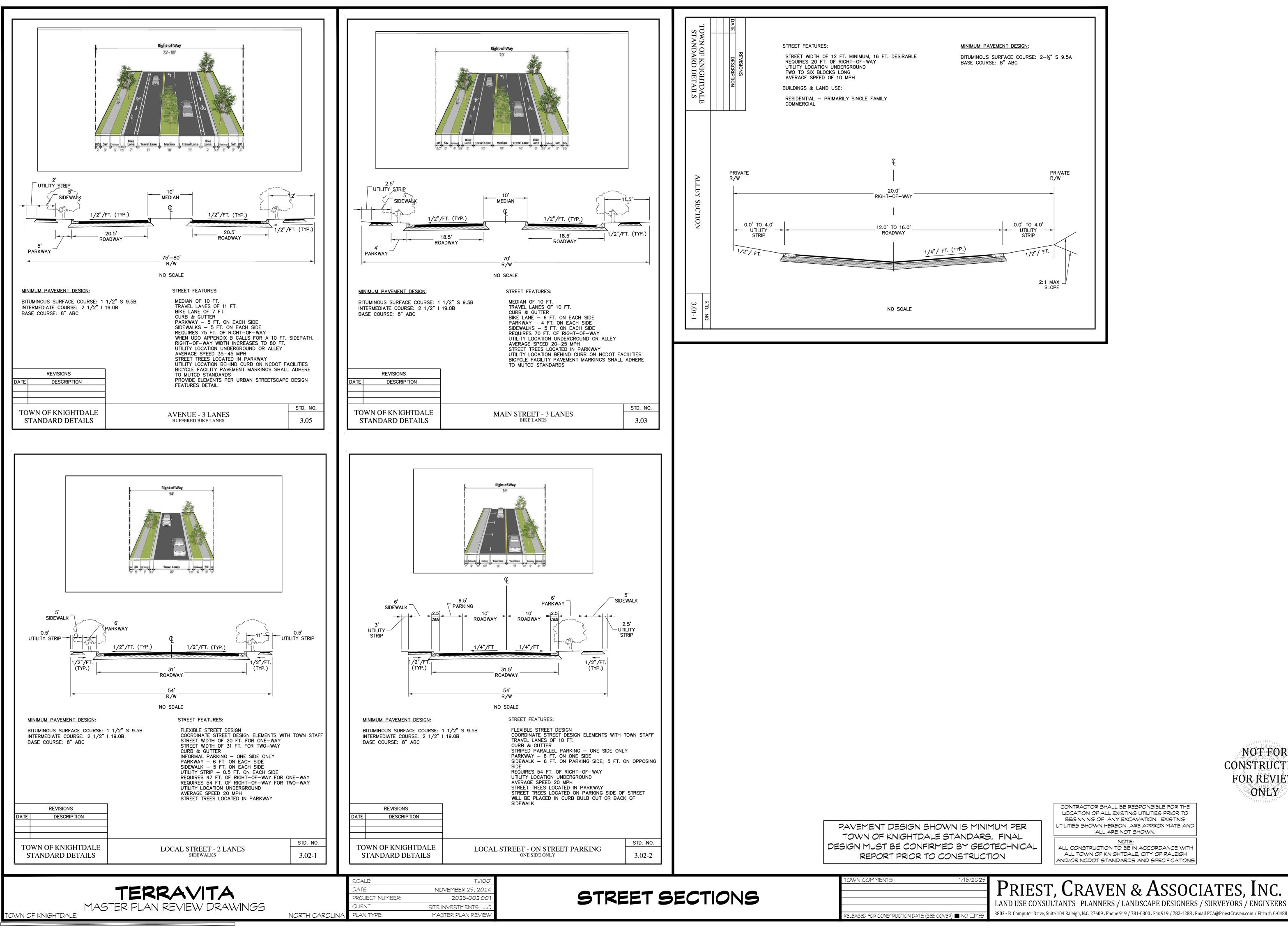
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SHEET #



ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK,

A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF

ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION

SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL WHEN INSTALLING WATER \$/OR SEWER MAINS, THE

HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION

ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE

APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER

SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO

5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR

MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD

ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL

ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW \$ APPROVAL OF AN AMENDED PLAN \$/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE

INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS \$ SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL

EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY

THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS NCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE INSTALL 34" COPPER" WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO

INSTALL 4" PVC\* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED

PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER

REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE \$/OR FEMA FOR ANY

NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRE

FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING

APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO SSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR

REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE

SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE

MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. A CERTIFICATE OF COMPLIANCE SHALL ALSO BE OBTAINED FROM THE RW CROSSCONNECTION COORDINATOR FOR

EACH DEVICE PRIOR TO ISSUANCE OF A UC / BLDG PERMIT

CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION

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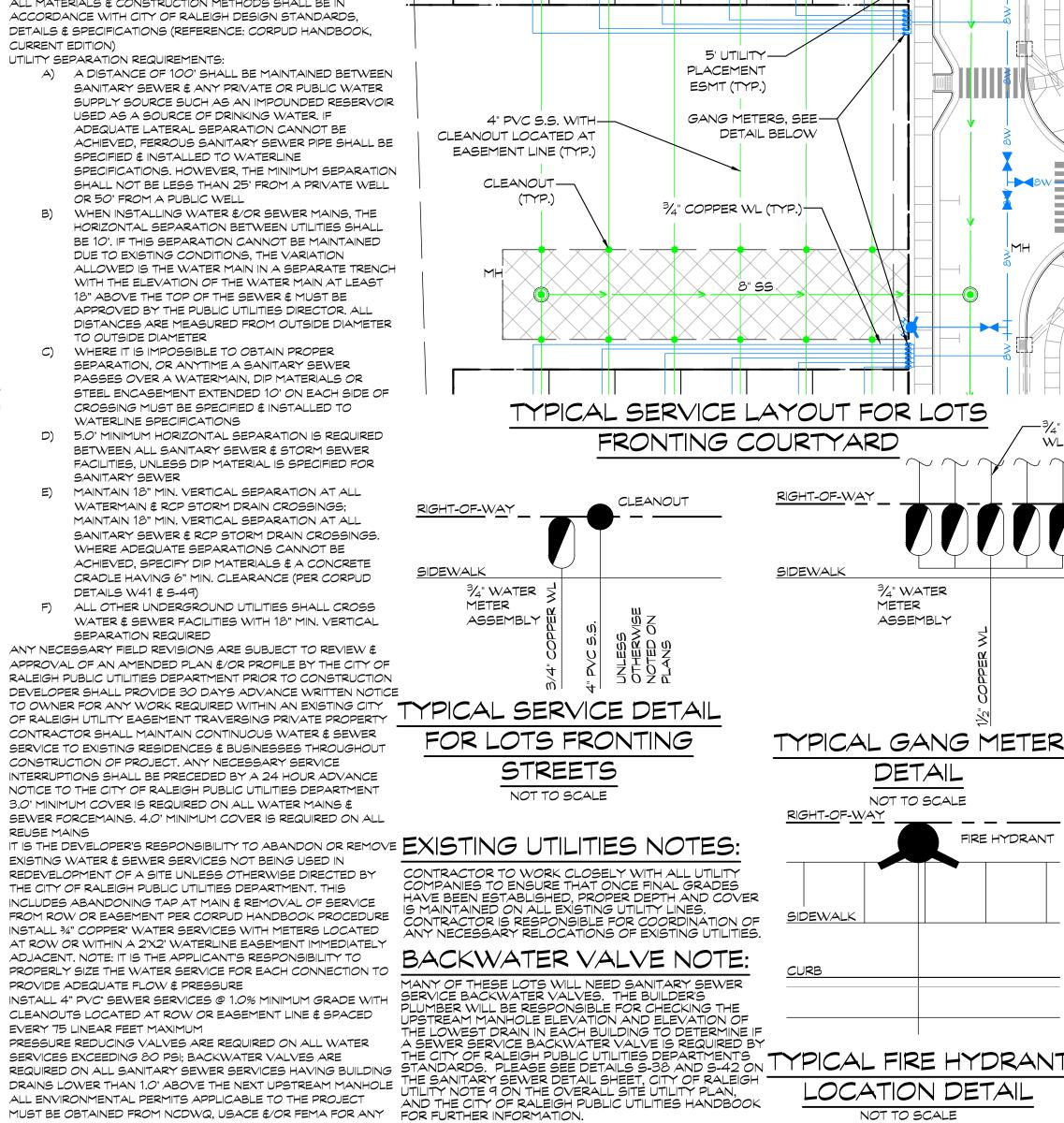
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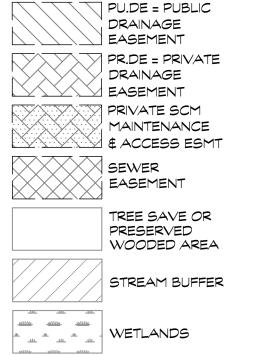
GENERAL UTILITY NOTES HATCH LEGEND

ALL UTILITIES SHOWN ON THESE PLANS ARE PRELIMINARY IN NATURE AND SUBJECT TO CHANGE DURING CONSTRUCTION PLAN REVIEW

EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ALL MAY NOT BE SHOWN. CONTRACTOR SHALL VERIFY EXACT LOCATION AND GRADE OF ALL EXISTING UTILITIES AND COORDINATE ANY REQUIRED RELOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

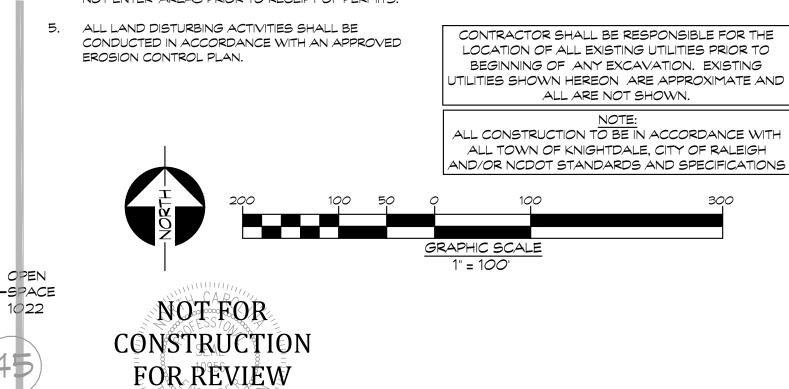
NO INFRASTRUCTURE TO BE CONSTRUCTED PRIOR TO CONSTRUCTION PLAN APPROVAL AND UTILITY PERMIT ISSUANCE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT, TOWN OF KNIGHTDALE, AND NCDOT.

NO NEW IMPACTS TO EXISTING WETLANDS AND EXISTING NEUSE RIVER BUFFERS SHALL TAKE PLACE WITHOUT APPROVAL BY THE U.S. ARMY CORPS OF ENGINEERS, NCDWR, AND THE TOWN OF KNIGHTDALE NO DISTURBANCE SHALL TAKE PLACE WITHIN JURISDICTIONAL WETLANDS AND NEUSE RIVER BUFFERS PRIOR TO RECEIPT OF ALL U.S. ARMY CORPS OF ENGINEERS & N.C. DIVISION OF WATER RESOURCES PERMITS. THESE AREAS WILL BE FLAGGED AS "DO NOT ENTER" AREAS PRIOR TO RECEIPT OF PERMITS.



∛4" COPPER

WL (TYP.)



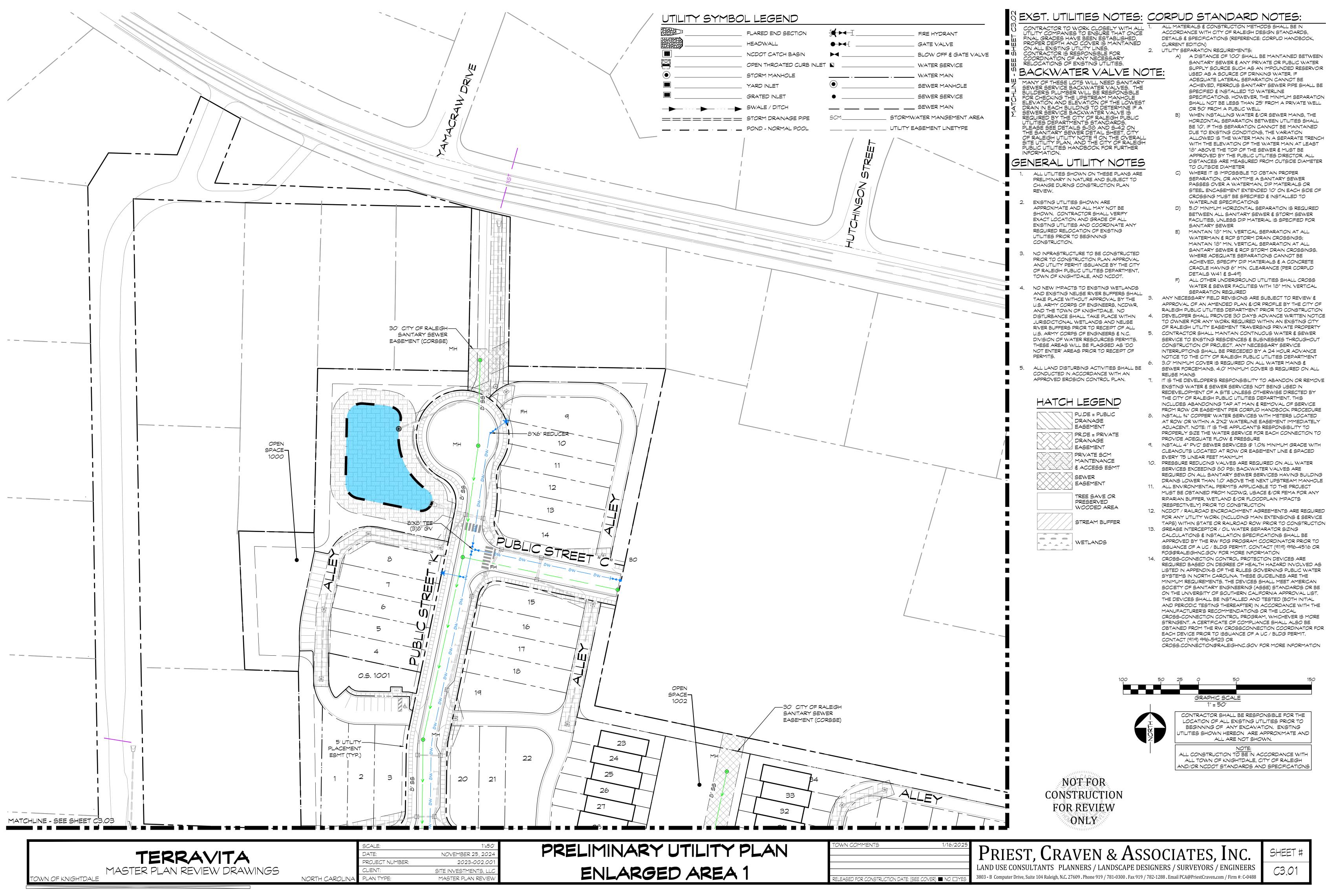
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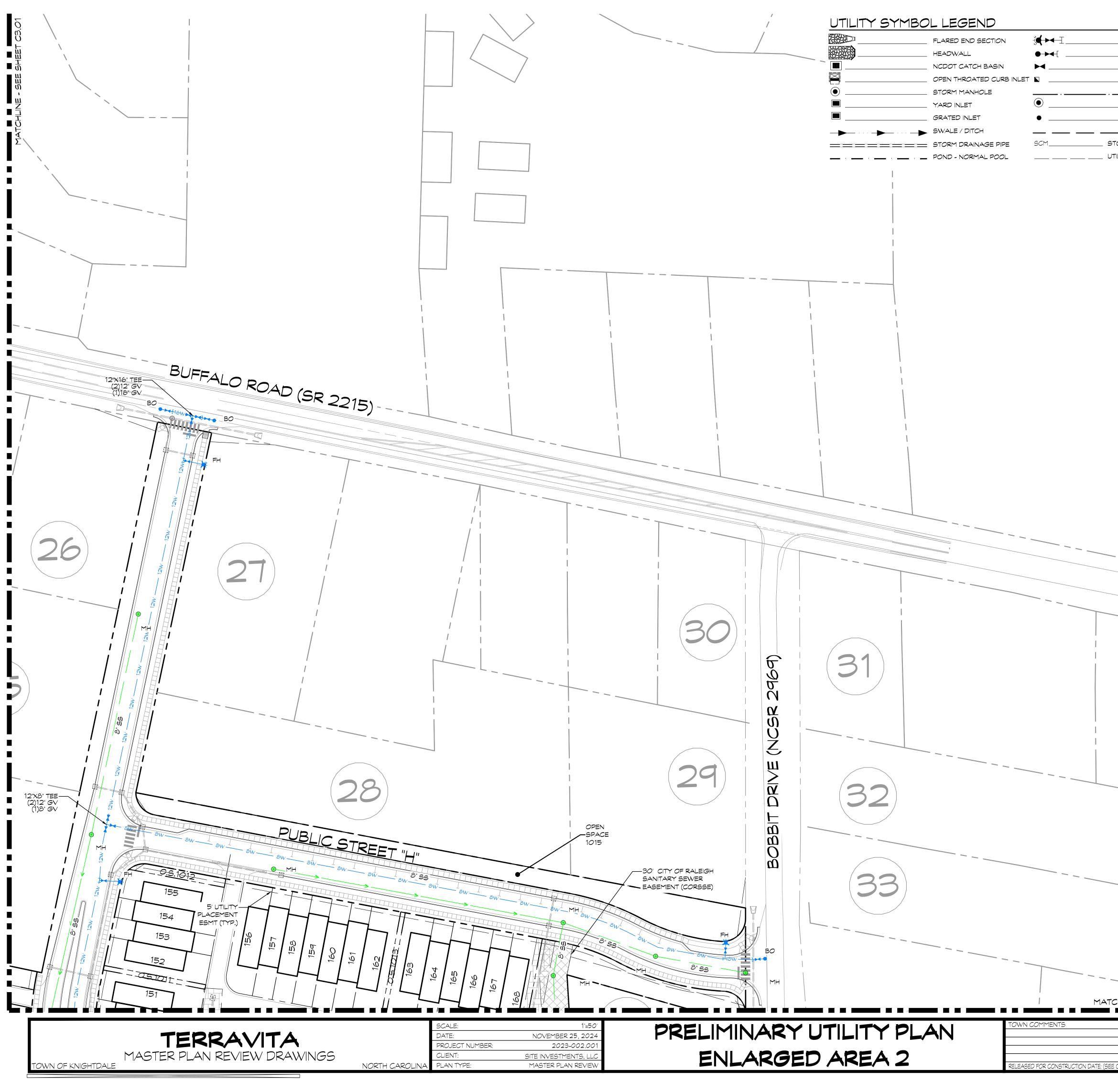
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ONLY

SHEET #

C3.00





### EXST. UTILITIES NOTES: CORPUD STANDARD NOTES: ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN CONTRACTOR TO WORK CLOSELY WITH ALL UTILITY COMPANIES TO ENSURE THAT ONCE ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS. FIRE HYDRANT FINAL GRADES HAVE BEEN ESTABLISHED, PROPER DEPTH AND COVER IS MAINTAINED ON ALL EXISTING UTILITY LINES. CONTRACTOR IS RESPONSIBLE FOR DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION) GATE VALVE 2. UTILITY SEPARATION REQUIREMENTS: A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN COORDINATION OF ANY NECESSARY BLOW OFF & GATE VALVE SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER RELOCATIONS OF EXISTING UTILITIES. WATER SERVICE SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR BACKWATER VALVE NOTE USED AS A SOURCE OF DRINKING WATER. IF WATER MAIN ADEQUATE LATERAL SEPARATION CANNOT BE MANY OF THESE LOTS WILL NEED SANITARY SEWER SERVICE BACKWATER VALVES. THE BUILDER'S PLUMBER WILL BE RESPONSIBLE FOR CHECKING THE UPSTREAM MANHOLE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SEWER MANHOLE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SEWER SERVICE ELEVATION AND ELEVATION OF THE LOWEST SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL DRAIN IN EACH BUILDING TO DETERMINE IF A SEWER SERVICE BACKWATER VALVE IS REQUIRED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT'S STANDARDS. OR 50' FROM A PUBLIC WELL \_\_\_\_ SEWER MAIN B) WHEN INSTALLING WATER \$/OR SEWER MAINS, THE STORMWATER MANGEMENT AREA HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL PLEASE SEE DETAILS S-38 AND S-42 ON THE SANITARY SEWER DETAIL SHEET, CITY BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED \_\_\_\_ UTILITY EASEMENT LINETYPE DUE TO EXISTING CONDITIONS, THE VARIATION OF RALEIGH UTILITY NOTE 9 ON THE OVERALL SITE UTILITY PLAN, AND THE CITY OF RALEIGH ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST PUBLIC UTILITIES HANDBOOK FOR FURTHER 18" ABOVE THE TOP OF THE SEWER & MUST BE INFORMATION. APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL GENERAL UTILITY NOTES DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER ALL UTILITIES SHOWN ON THESE PLANS ARE C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PRELIMINARY IN NATURE AND SUBJECT TO PASSES OVER A WATERMAIN, DIP MATERIALS OR CHANGE DURING CONSTRUCTION PLAN STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF REVIEW. CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS 2. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ALL MAY NOT BE D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED SHOWN. CONTRACTOR SHALL VERIFY BETWEEN ALL SANITARY SEWER & STORM SEWER EXACT LOCATION AND GRADE OF ALL FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR EXISTING UTILITIES AND COORDINATE ANY SANITARY SEWER REQUIRED RELOCATION OF EXISTING E) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL UTILITIES PRIOR TO BEGINNING WATERMAIN & RCP STORM DRAIN CROSSINGS; CONSTRUCTION. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. NO INFRASTRUCTURE TO BE CONSTRUCTED WHERE ADEQUATE SEPARATIONS CANNOT BE PRIOR TO CONSTRUCTION PLAN APPROVAL ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE AND UTILITY PERMIT ISSUANCE BY THE CITY CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD OF RALEIGH PUBLIC UTILITIES DEPARTMENT, DETAILS W41 & S-49) TOWN OF KNIGHTDALE, AND NCDOT.

4. NO NEW IMPACTS TO EXISTING WETLANDS

AND THE TOWN OF KNIGHTDALE. NO

AND EXISTING NEUSE RIVER BUFFERS SHALL

TAKE PLACE WITHOUT APPROVAL BY THE

U.S. ARMY CORPS OF ENGINEERS, NCDWR,

DISTURBANCE SHALL TAKE PLACE WITHIN

JURISDICTIONAL WETLANDS AND NEUSE RIVER BUFFERS PRIOR TO RECEIPT OF ALL

U.S. ARMY CORPS OF ENGINEERS & N.C.

DIVISION OF WATER RESOURCES PERMITS. THESE AREAS WILL BE FLAGGED AS "DO

NOT ENTER" AREAS PRIOR TO RECEIPT OF

5. ALL LAND DISTURBING ACTIVITIES SHALL BE

APPROVED EROSION CONTROL PLAN.

HATCH LEGEND

E ACCESS ESM

WETLANDS

SEWER

Í EASEMENT

PU.DE = PUBLIC

PR.DE = PRIVATE

DRAINAGE

EASEMENT

DRAINAGE

EASEMENT

PRIVATE SCM

MAINTENANCE

TREE SAVE OR

PRESERVED WOODED AREA

STREAM BUFFER

CONDUCTED IN ACCORDANCE WITH AN

PERMITS.

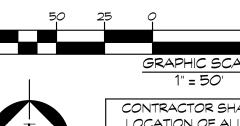
F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED

ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW \$
 APPROVAL OF AN AMENDED PLAN \$/OR PROFILE BY THE CITY OF
 RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION
 DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE
 TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY
 OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY
 CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER \$ SEWER
 SERVICE TO EXISTING RESIDENCES \$ BUSINESSES THROUGHOUT
 CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE
 INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE
 NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT
 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS \$
 SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL
 REUSE MAINS

- REUSE MAINS 7. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE
- 8. INSTALL 34" COPPER' WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE
- 9. INSTALL 4" PVC' SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM
- 10. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE
- 11. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE \$/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND \$/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION
- 12. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION
   13. OPEAGE INTERCEPTOR / OF WATER SERVICE
- GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION

14. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. A CERTIFICATE OF COMPLIANCE SHALL ALSO BE OBTAINED FROM THE RW CROSSCONNECTION COORDINATOR FOR EACH DEVICE PRIOR TO ISSUANCE OF A UC / BLDG PERMIT.

CONTACT (919) 996-5923 OR CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION



CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY EXCAVATION. EXISTING TILITIES SHOWN HEREON ARE APPROXIMATE AND ALL ARE NOT SHOWN.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS



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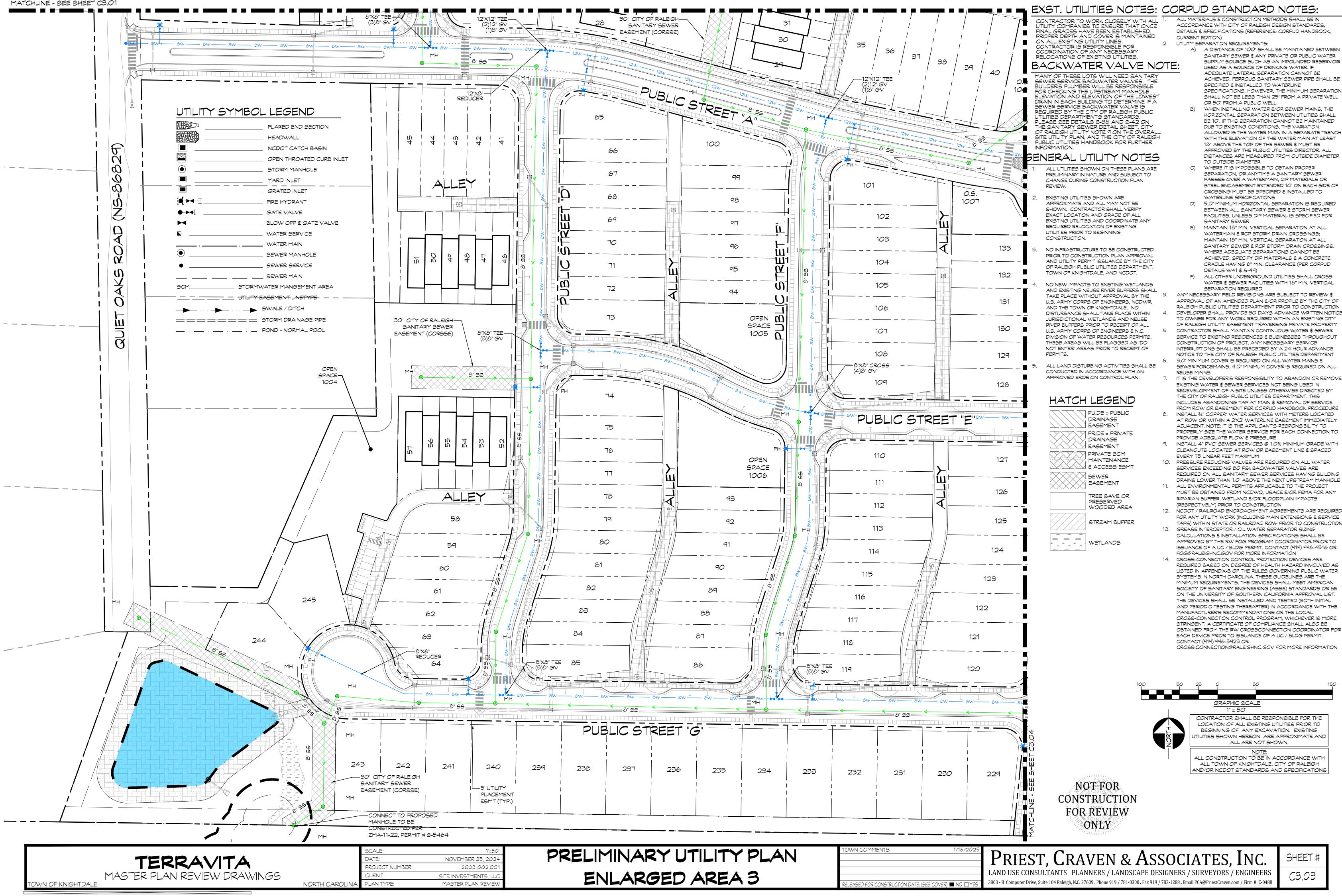
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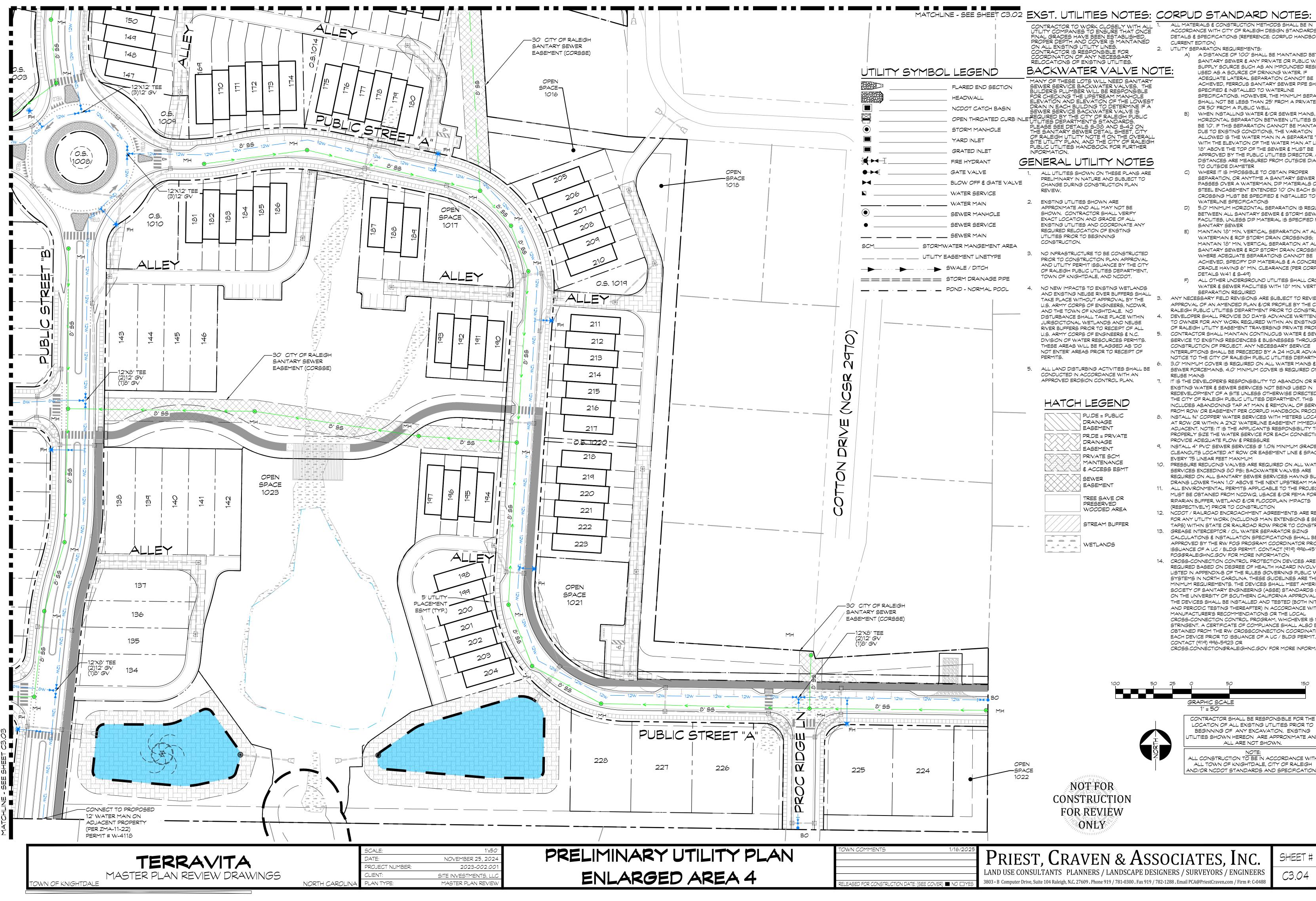
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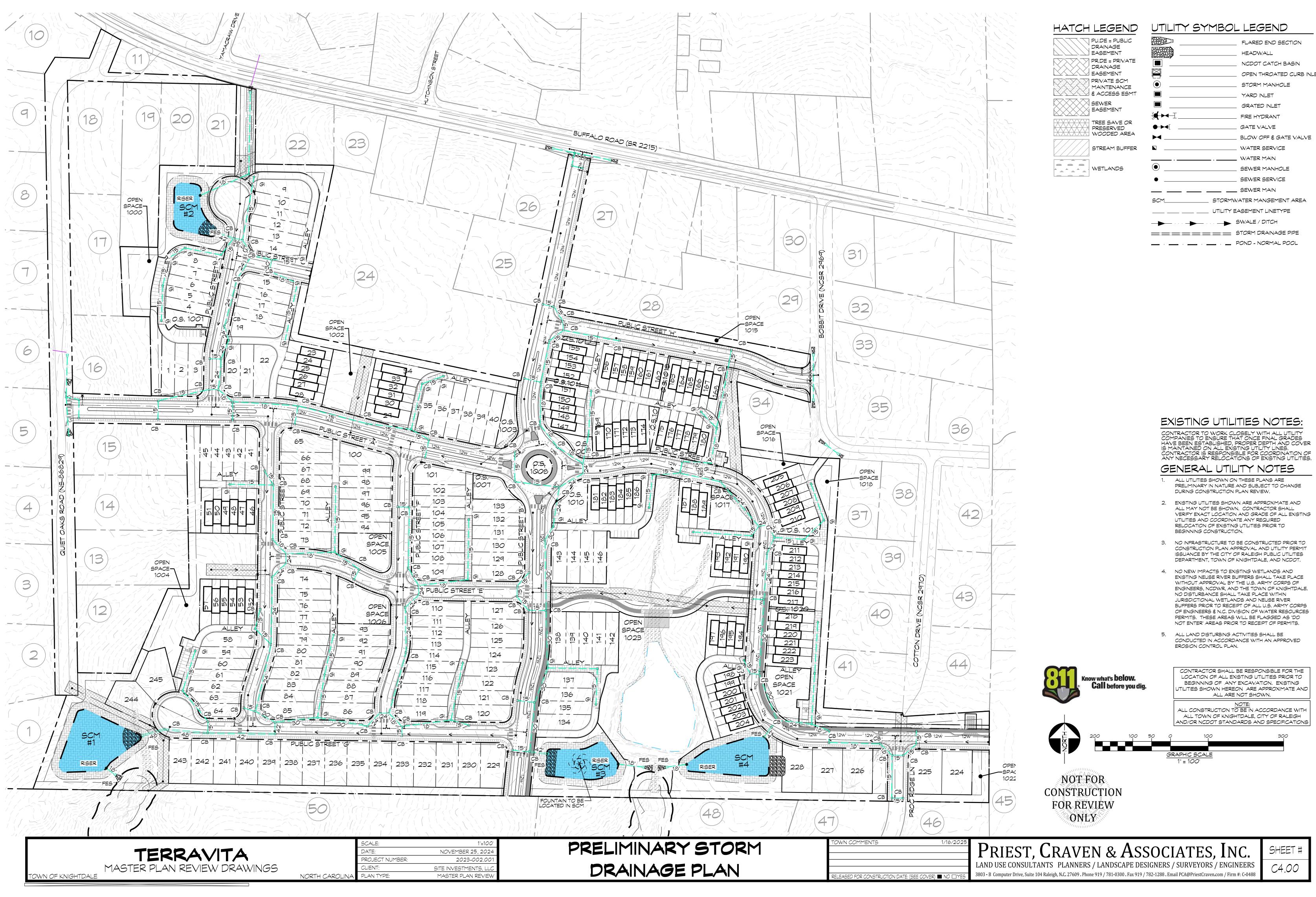
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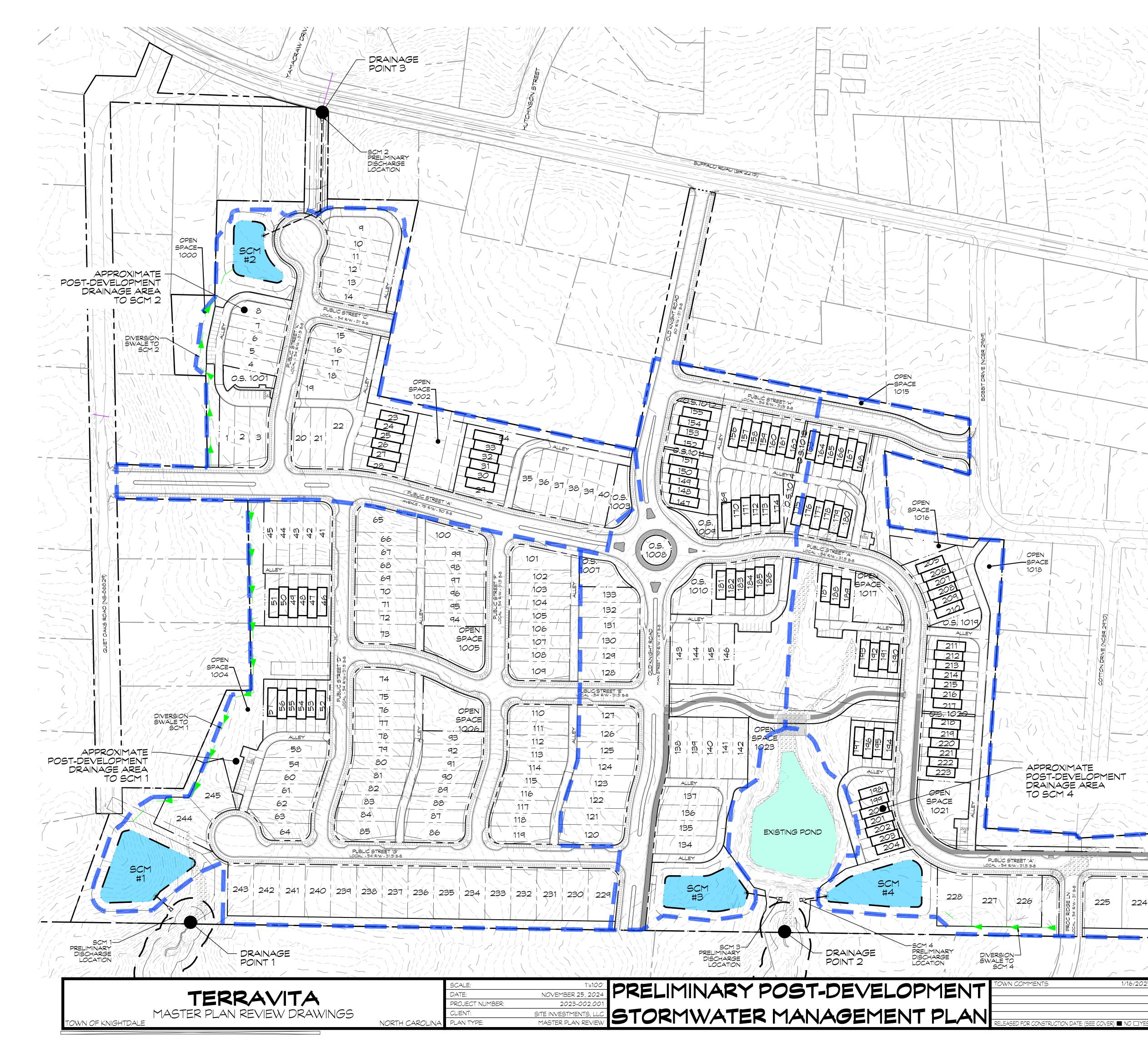


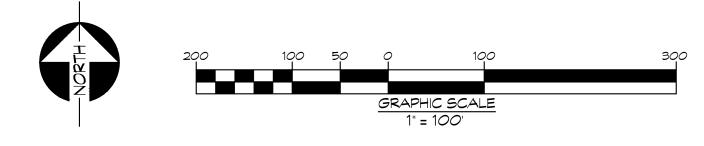


	CONTRACTOR TO WORK CLOSELY WITH ALL UTILITY COMPANIES TO ENSURE THAT ONCE FINAL GRADES HAVE BEEN ESTABLISHED,		ACCORDA	ERIALS & CONSTRUCTION METHODS SHALL BE IN ANCE WITH CITY OF RALEIGH DESIGN STANDARDS, \$ SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK,
	PROPER DEPTH AND COVER IS MAINTAINED ON ALL EXISTING UTILITY LINES. CONTRACTOR IS RESPONSIBLE FOR	2.		EDITION) EPARATION REQUIREMENTS: A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN
	COORDINATION OF ANY NECESSARY RELOCATIONS OF EXISTING UTILITIES.	<u> </u>	,	SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR
MBOL LEGEND	BACKWATER VALVE NO		=:	USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE
FLARED END SECTION	SEWER SERVICE BACKWATER VALVES. THE BUILDER'S PLUMBER WILL BE RESPONSIBLE			ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE
	FOR CHECKING THE UPSTREAM MANHOLE ELEVATION AND ELEVATION OF THE LOWES DRAIN IN EACH BUILDING TO DETERMINE IF A			SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL
OPEN THROATED CURB INL	SEWER SERVICE BACKWATER VALVE IS E REQUIRED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT'S STANDARDS.		B)	WHEN INSTALLING WATER \$/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL
STORM MANHOLE	PLEASE SEE DETAILS S-38 AND S-42 ON THE SANITARY SEWER DETAIL SHEET, CITY			BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION
YARD INLET	OF RALEIGH UTILITY NOTE 9 ON THE OVERAL SITE UTILITY PLAN, AND THE CITY OF RALEIGH			ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST
GRATED INLET	PUBLIC UTILITIES HANDBOOK FOR FURTHER INFORMATION.			18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL
GATE VALVE	SENERAL UTILITY NOTES 1. ALL UTILITIES SHOWN ON THESE PLANS ARE	-	C)	DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER
BLOW OFF & GATE VALVE	PRELIMINARY IN NATURE AND SUBJECT TO CHANGE DURING CONSTRUCTION PLAN		0)	SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR
WATER SERVICE	REVIEW.			STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO
WATER MAIN	2. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND ALL MAY NOT BE		D)	WATERLINE SPECIFICATIONS 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED
SEWER MANHOLE SEWER SERVICE	SHOWN. CONTRACTOR SHALL VERIFY EXACT LOCATION AND GRADE OF ALL EXISTING UTILITIES AND COORDINATE ANY			BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
SEWER MAIN	REQUIRED RELOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING		E)	MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS:
STORMWATER MANGEMENT AREA	CONSTRUCTION.			MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS.
UTILITY EASEMENT LINETYPE	3. NO INFRASTRUCTURE TO BE CONSTRUCTED PRIOR TO CONSTRUCTION PLAN APPROVAL AND UTILITY PERMIT ISSUANCE BY THE CITY			WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE
	OF RALEIGH PUBLIC UTILITIES DEPARTMENT, TOWN OF KNIGHTDALE, AND NCDOT.			CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W41 & S-49)
STORM DRAINAGE PIPE	4. NO NEW IMPACTS TO EXISTING WETLANDS		F)	ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL
	AND EXISTING NEUSE RIVER BUFFERS SHALL TAKE PLACE WITHOUT APPROVAL BY THE	З.		SEPARATION REQUIRED ESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW &
	U.S. ARMY CORPS OF ENGINEERS, NCDWR, AND THE TOWN OF KNIGHTDALE. NO DISTURBANCE SHALL TAKE PLACE WITHIN	4.	RALEIGH	AL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION ER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE
	DISTURBANCE SHALL TAKE PLACE WITHIN JURISDICTIONAL WETLANDS AND NEUSE RIVER BUFFERS PRIOR TO RECEIPT OF ALL	- <b>r</b> .	TO OWNE	ER SHALL PROVIDE SO DATS ADVANCE WRITTEN NOTICE ER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY GH UTILITY EASEMENT TRAVERSING PRIVATE PROPERTY
	U.S. ARMY CORPS OF ENGINEERS & N.C. DIVISION OF WATER RESOURCES PERMITS.	5.	CONTRAC	TOR SHALL MAINTAIN CONTINUOUS WATER & SEWER TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT
	THESE AREAS WILL BE FLAGGED AS "DO NOT ENTER" AREAS PRIOR TO RECEIPT OF		INTERRUP	ICTION OF PROJECT. ANY NECESSARY SERVICE TIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE
	<ul><li>5. ALL LAND DISTURBING ACTIVITIES SHALL BE</li></ul>	6.	3.0' MINIM	0 THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT 1UM COVER IS REQUIRED ON ALL WATER MAINS & ORCEMAINS, 4.0' MINIMUM COVER IS REQUIRED ON ALL
I	CONDUCTED IN ACCORDANCE WITH AN APPROVED EROSION CONTROL PLAN.		REUSE MA	
			EXISTING	WATER & SEWER SERVICES NOT BEING USED IN OPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY
	HATCH LEGEND			OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS 3 ABANDONING TAP AT MAIN & REMOVAL OF SERVICE
		8.	INSTALL 3	W OR EASEMENT PER CORPUD HANDBOOK PROCEDURE 4" COPPER" WATER SERVICES WITH METERS LOCATED
	DRAINAGE EASEMENT		ADJACEN	OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY IT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO Y SIZE THE WATER SERVICE FOR EACH CONNECTION TO
	PR.DE = PRIVATE DRAINAGE	9.	PROVIDE	ADEQUATE FLOW & PRESSURE 4" PVC' SEWER SERVICES @ 1.0% MINIMUM GRADE WITH
	EASEMENT		CLEANOU	TTS LOCATED AT ROW OR EASEMENT LINE & SPACED
	& ACCESS ESMT	10.		E REDUCING VALVES ARE REQUIRED ON ALL WATER B EXCEEDING 80 PSI; BACKWATER VALVES ARE
	SEWER EASEMENT		DRAINS L	O ON ALL SANITARY SEWER SERVICES HAVING BUILDING OWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE
	TREE SAVE OR	11.	MUST BE	RONMENTAL PERMITS APPLICABLE TO THE PROJECT OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY
	PRESERVED WOODED AREA	10	(RESPECT	BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS IVELY) PRIOR TO CONSTRUCTION
	STREAM BUFFER	12.	FOR ANY	RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE THIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION
		13.	GREASE	THIN STATE OR RAILROAD ROW FRICE TO CONSTRUCTION NTERCEPTOR / OIL WATER SEPARATOR SIZING TIONS & INSTALLATION SPECIFICATIONS SHALL BE
			APPROVE	D BY THE RW FOG PROGRAM COORDINATOR PRIOR TO E OF A UC / BLDG PERMIT. CONTACT (919) 996-4516 OR
I		14.		EIGHNC.GOV FOR MORE INFORMATION
1			LISTED IN	D BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER
			MINIMUM	) IN NORTH CAROLINA. THESE GUIDELINES ARE THE REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE
			ON THE U	NIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. CES SHALL BE INSTALLED AND TESTED (BOTH INITIAL
			MANUFAC	ODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE CTURER'S RECOMMENDATIONS OR THE LOCAL
			STRINGEN	ONNECTION CONTROL PROGRAM, WHICHEVER IS MORE NT. A CERTIFICATE OF COMPLIANCE SHALL ALSO BE D FROM THE RW CROSSCONNECTION COORDINATOR FOR
			EACH DEN	VICE PRIOR TO ISSUANCE OF A UC / BLDG PERMIT. (919) 996-5923 OR
				ONNÉCTION@RALEIGHNC.GOV FOR MORE INFORMATION
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			G	24PHIC SCALE 1" = 50'
		I	-	ONTRACTOR SHALL BE RESPONSIBLE FOR THE
				OCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY EXCAVATION. EXISTING LITIES SHOWN HEREON ARE APPROXIMATE AND
		NORTH		ALL ARE NOT SHOWN.
		NZ		NOTE: L CONSTRUCTION TO BE IN ACCORDANCE WITH
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UTILITY SYMBOL LEGEND						
	FLARED END SECTION					
	HEADWALL					
	NCDOT CATCH BASIN					
<b>×</b>	OPEN THROATED CURB INLET					
•	STORM MANHOLE					
	YARD INLET					
	GRATED INLET					
∛ → - I	FIRE HYDRANT					
● ▶ [	GATE VALVE					
₩	BLOW OFF & GATE VALVE					
<b></b>	WATER SERVICE					
· · ·	WATER MAIN					
•	SEWER MANHOLE					
•	SEWER SERVICE					
	SEWER MAIN					
SCM STORMW	VATER MANGEMENT AREA					
UTILITY E	ASEMENT LINETYPE					
<b>→</b>	SWALE / DITCH					
	STORM DRAINAGE PIPE					
· · · · ·	POND - NORMAL POOL					





### GENERAL NOTES:

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- . THE CONCEPTUAL PLAN WAS PREPARED BY CHARLES R. WALKER, III, PLA AND ENTITLEMENT PRESERVATION GROUP.
- 2. THIS PLAN IS CONCEPTUAL IN NATURE AND SUBJECT TO CHANGE AS DESIGN PROGRESSES.
- 3. BOUNDARY INFORMATION IS TAKEN FROM A SURVEY BY THIS OFFICE.
- 4. SITE TOPOGRAPHIC INFORMATION IS TAKEN FROM A COMBINATION OF DATA FROM A SURVEY PERFORMED BY THIS OFFICE AND WAKE COUNTY GIS INFORMATION.
- 5. PLANEMETRIC AND TOPOGRAPHIC INFORMATION FOR AREAS OUTSIDE OF THIS SITE ARE TAKEN FROM WAKE COUNTY GIS INFORMATION.
- 6. ALL MATERIALS AND CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE TOWN OF KNIGHTDALE, NCDOT, AND NCDEQ STANDARDS AND SPECIFICATIONS.
- 7. THERE ARE NO FEMA DESIGNATED FLOOD ZONES LOCATED ON THIS PROPERTY
- 8. EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR RESPONSIBLE FOR LOCATION OF ALL EXISTING ABOVE AND BELOW GROUND UTILITY FIELD LOCATION PRIOR TO ANY CONSTRUCTION.
- 9. NO NEW BUFFER IMPACTS SHALL OCCUR PRIOR TO APPROVAL FROM NCDEQ.
- 7. WETLAND AND STREAM BUFFER LOCATIONS ARE BASED INFORMATION PROVIDED BY SOIL & ENVIRONMENTAL CONSULTANTS, PA.
- 8. STORMWATER CONTROL MEASURES ARE CONCEPTUAL AND ARE SUBJECT TO FUTURE SIZING CALCULATIONS AND DESIGN.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY EXCAVATION. EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE AND ALL ARE NOT SHOWN.

<u>NOTE:</u> ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE, CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS



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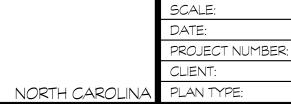
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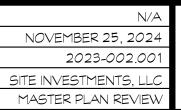
### PRIEST, CRAVEN & ASSOCIATES, INC. LAND USE CONSULTANTS PLANNERS / LANDSCAPE DESIGNERS / SURVEYORS / ENGINEERS

LAND USE CONSULTAINTS PLAININEKS / LAINDSCAPE DESIGNEKS / SUKVEYUKS / ENGINEERS 3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488









SAMPLE UNITS

OWN COMMENTS

RELEASED FOR CONSTRUCTION DATE: (SEE COVER) 🔳 NO 🗉

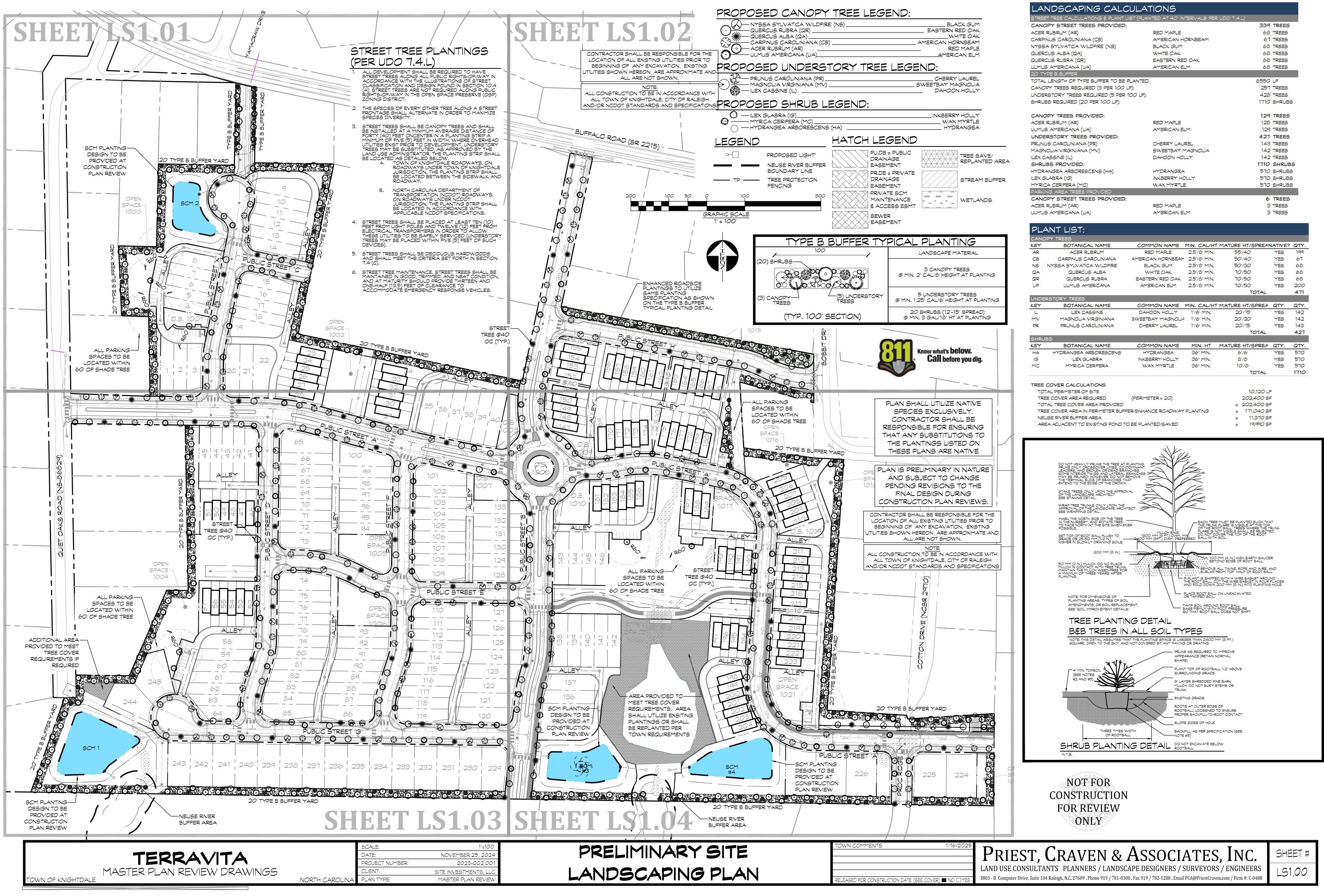
NOTE: UNIT PLANS ARE ILLUSTRATIVE OF THE FORM AND SCALE OF THE PROPOSED HOMES. PLANS ARE SUBJECT TO CHANGE AS THE PROJECT PROGRESSES.

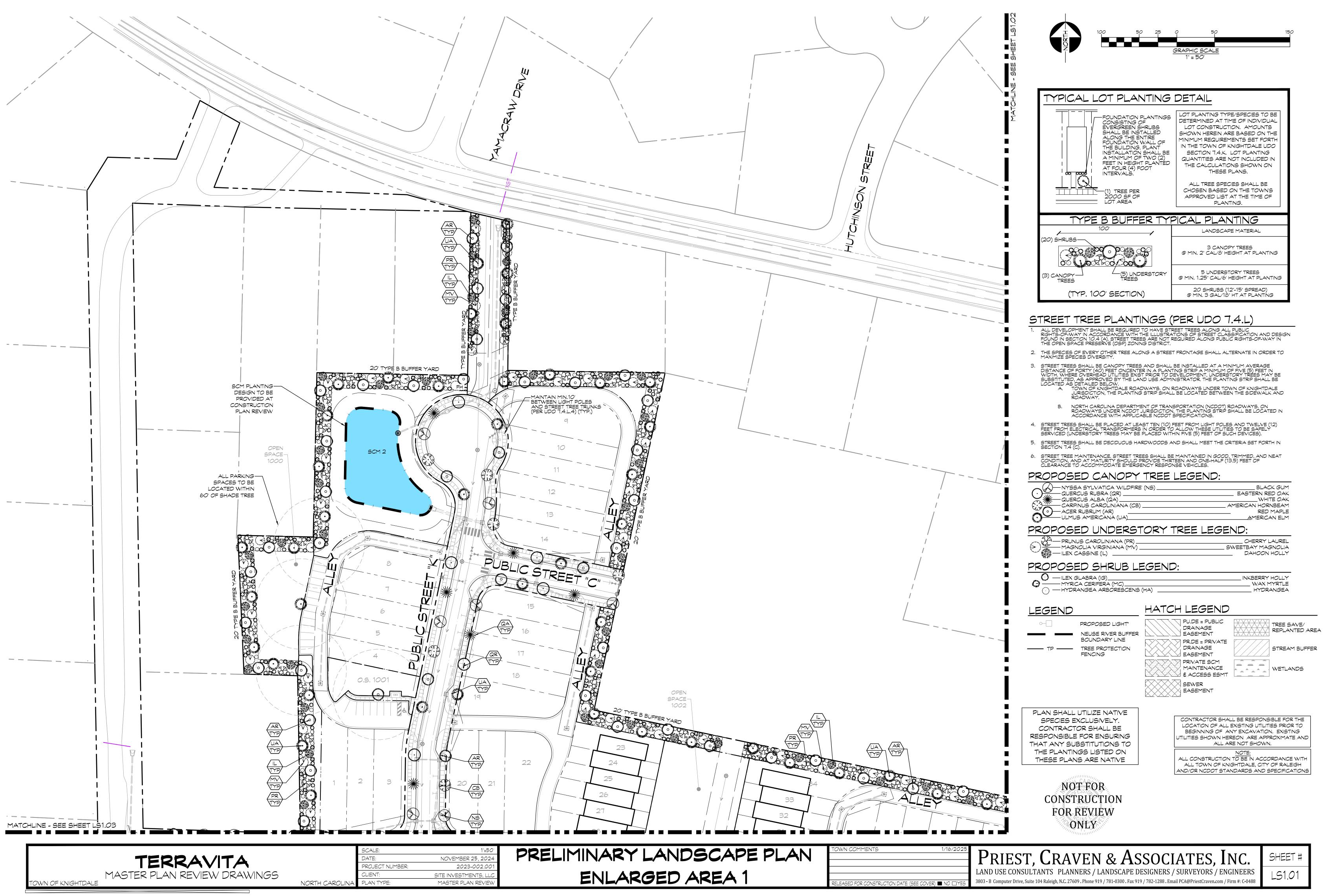


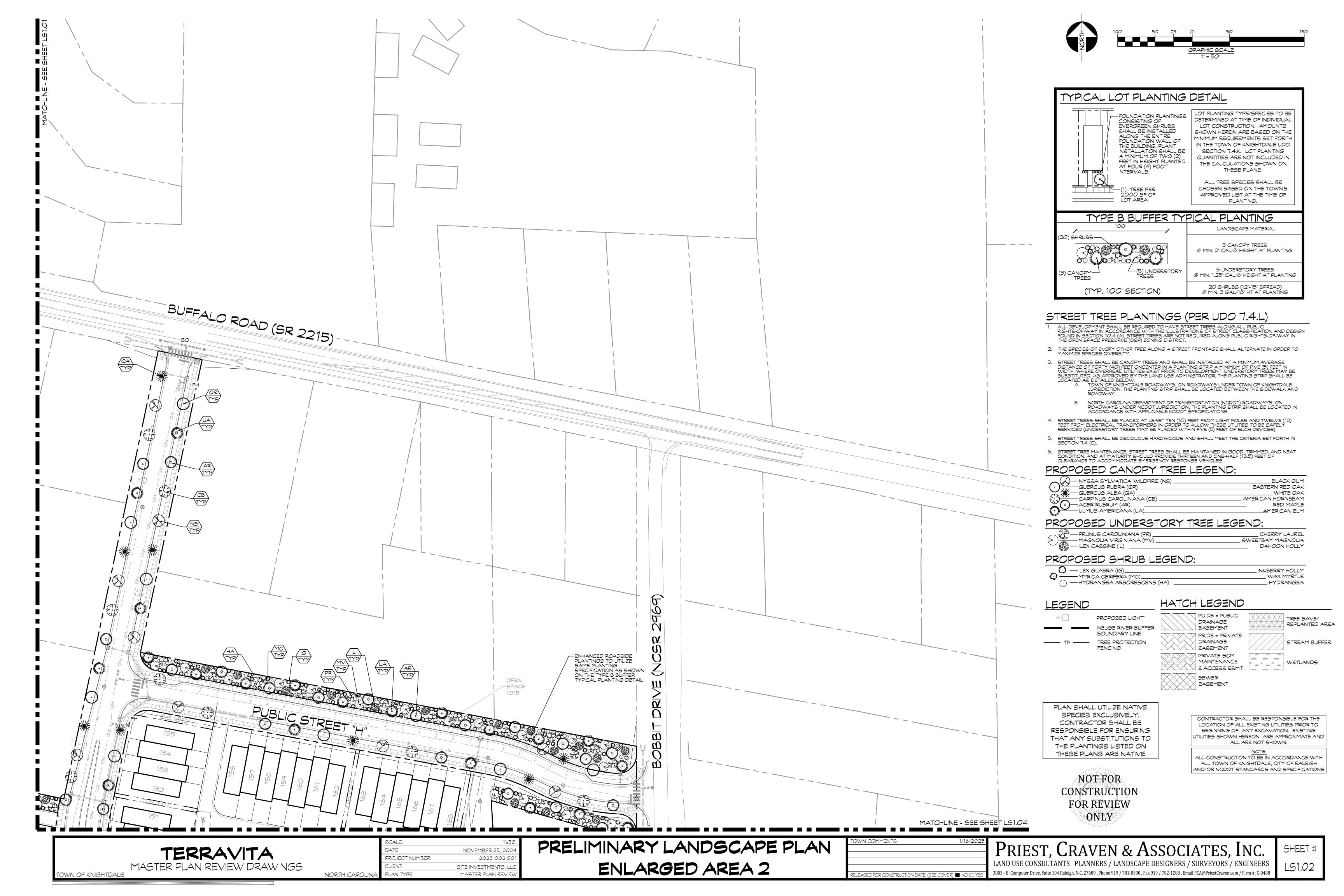
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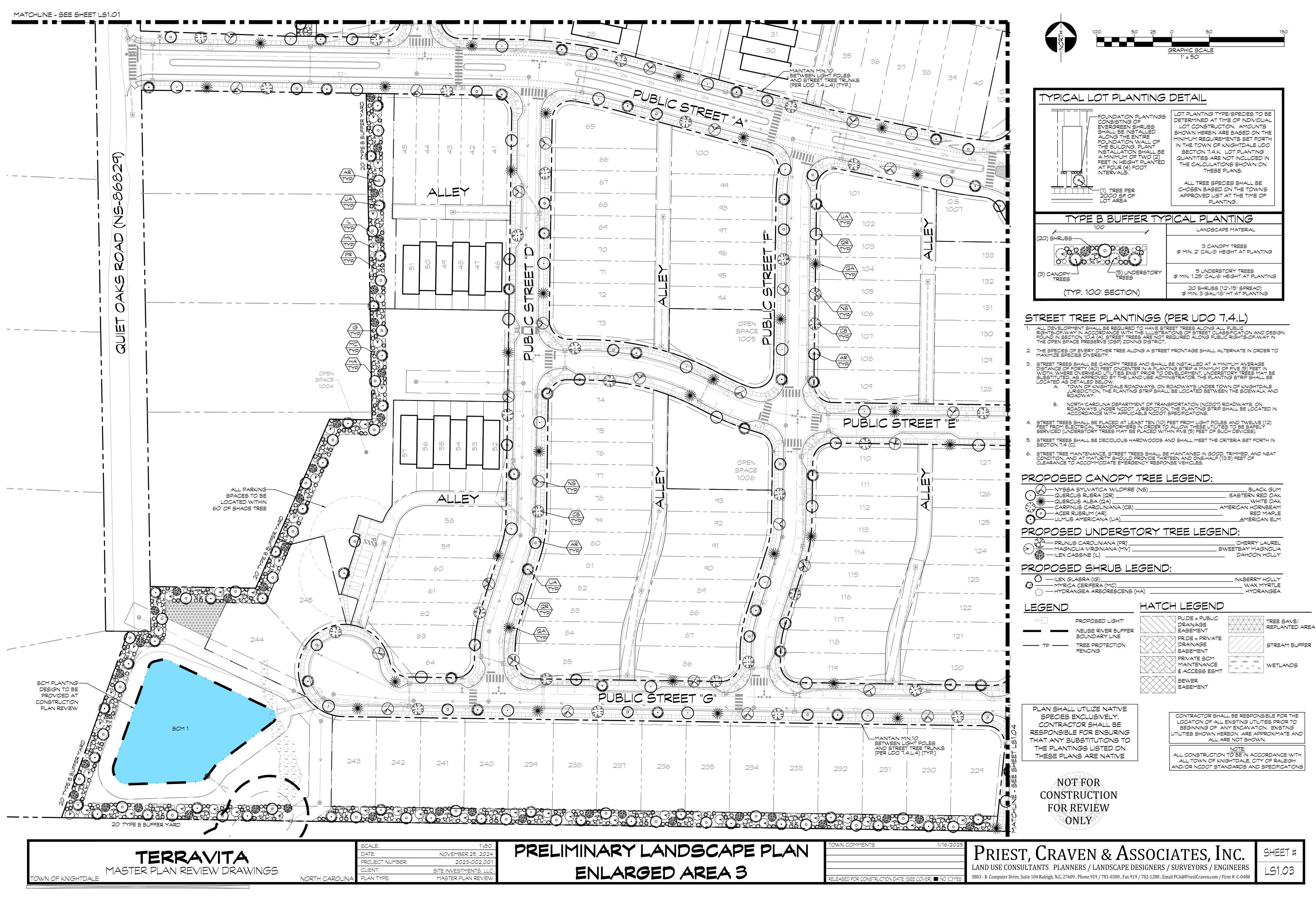
PRIEST, CRAVEN & ASSOCIATES, INC.

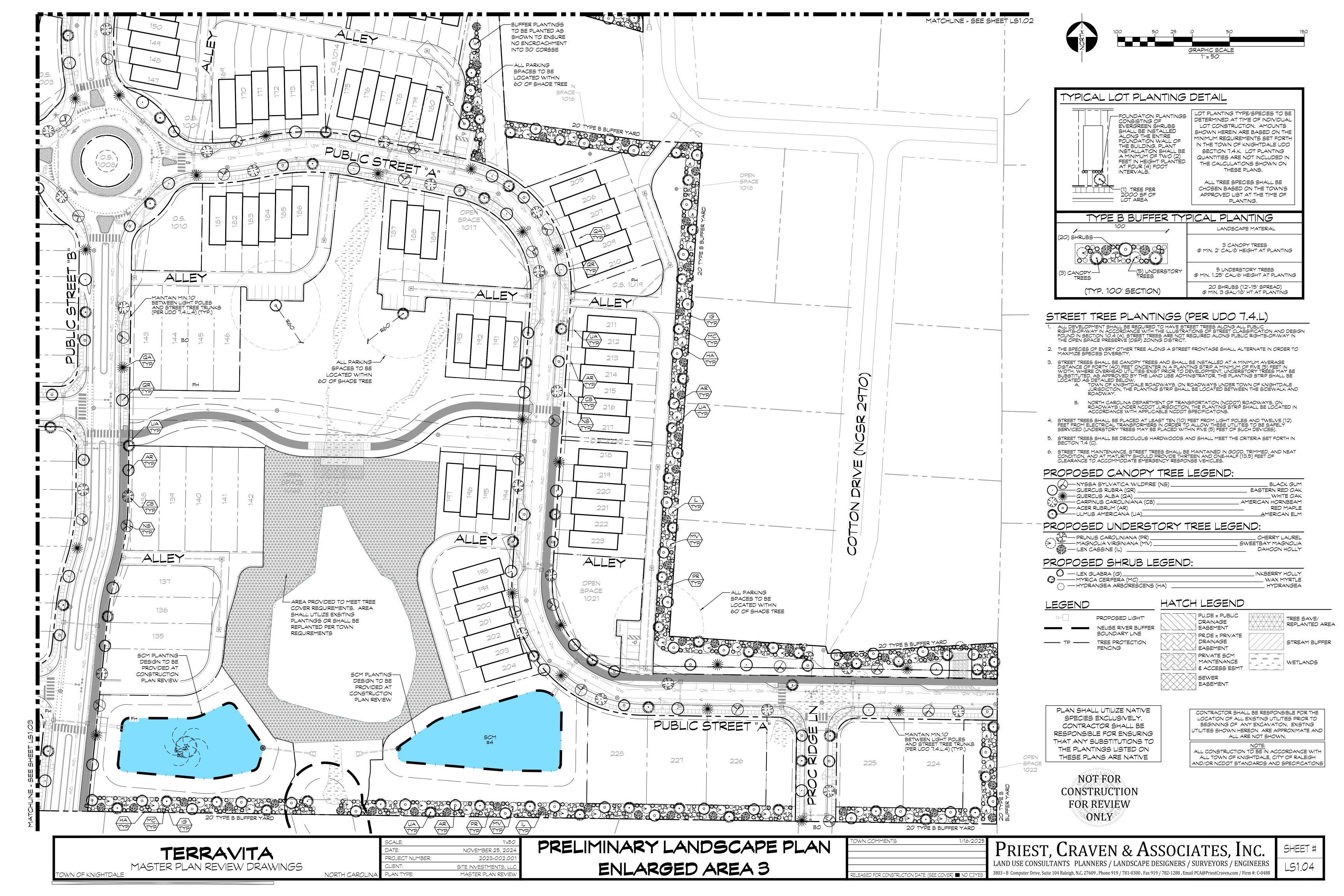
LAND USE CONSULTANTS PLANNERS / LANDSCAPE DESIGNERS / SURVEYORS / ENGINEERS 3803 - B Computer Drive, Suite 104 Raleigh, N.C. 27609 . Phone 919 / 781-0300 . Fax 919 / 782-1288 . Email PCA@PriestCraven.com / Firm #: C-0488 SHEET # C6.00

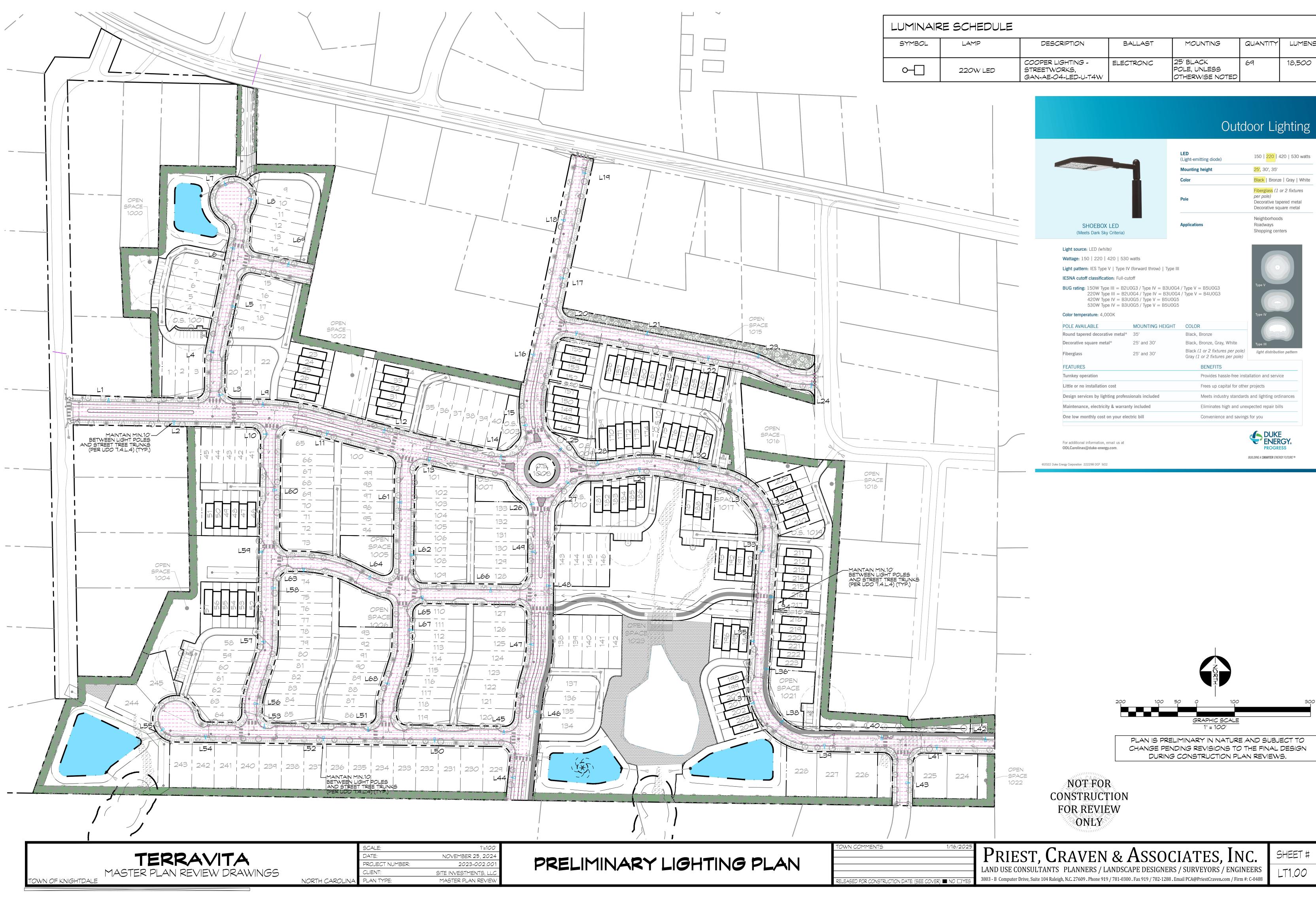




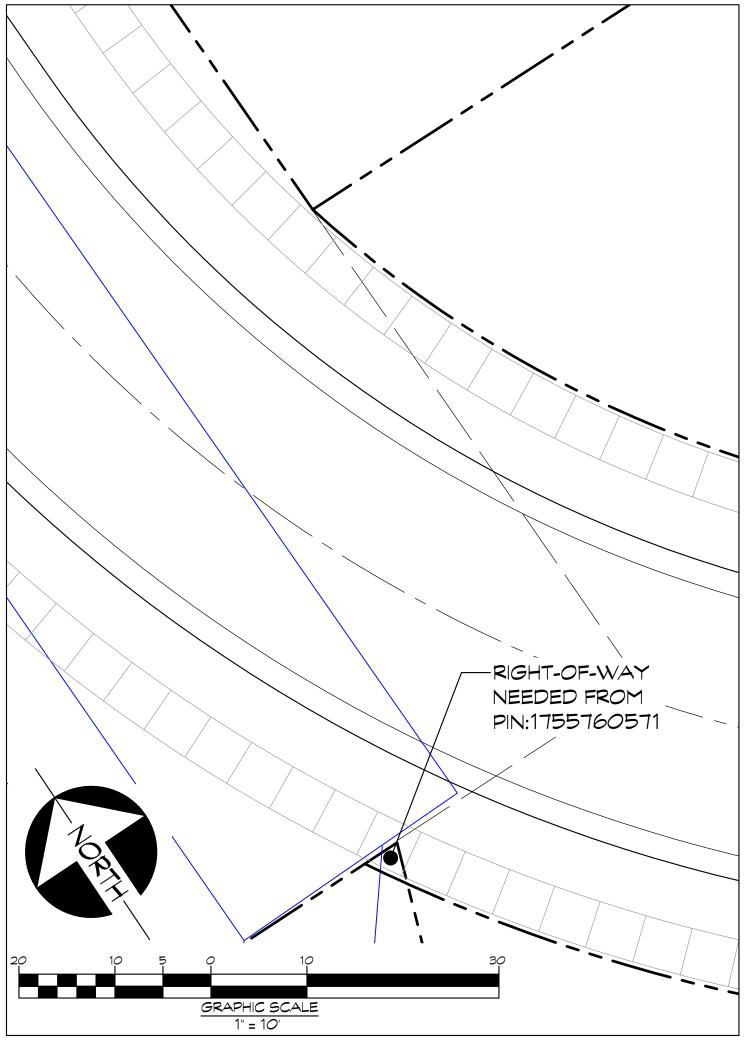


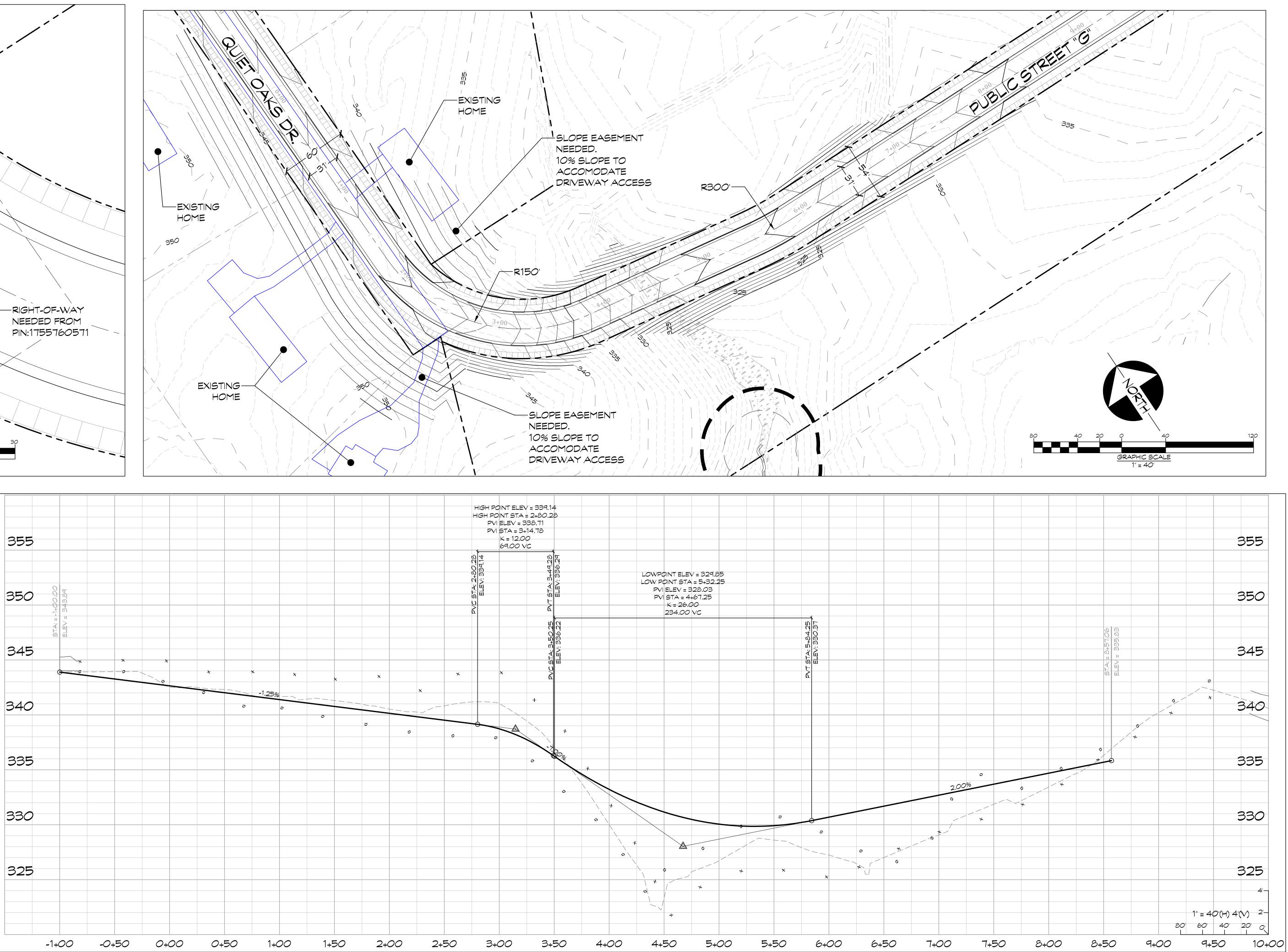


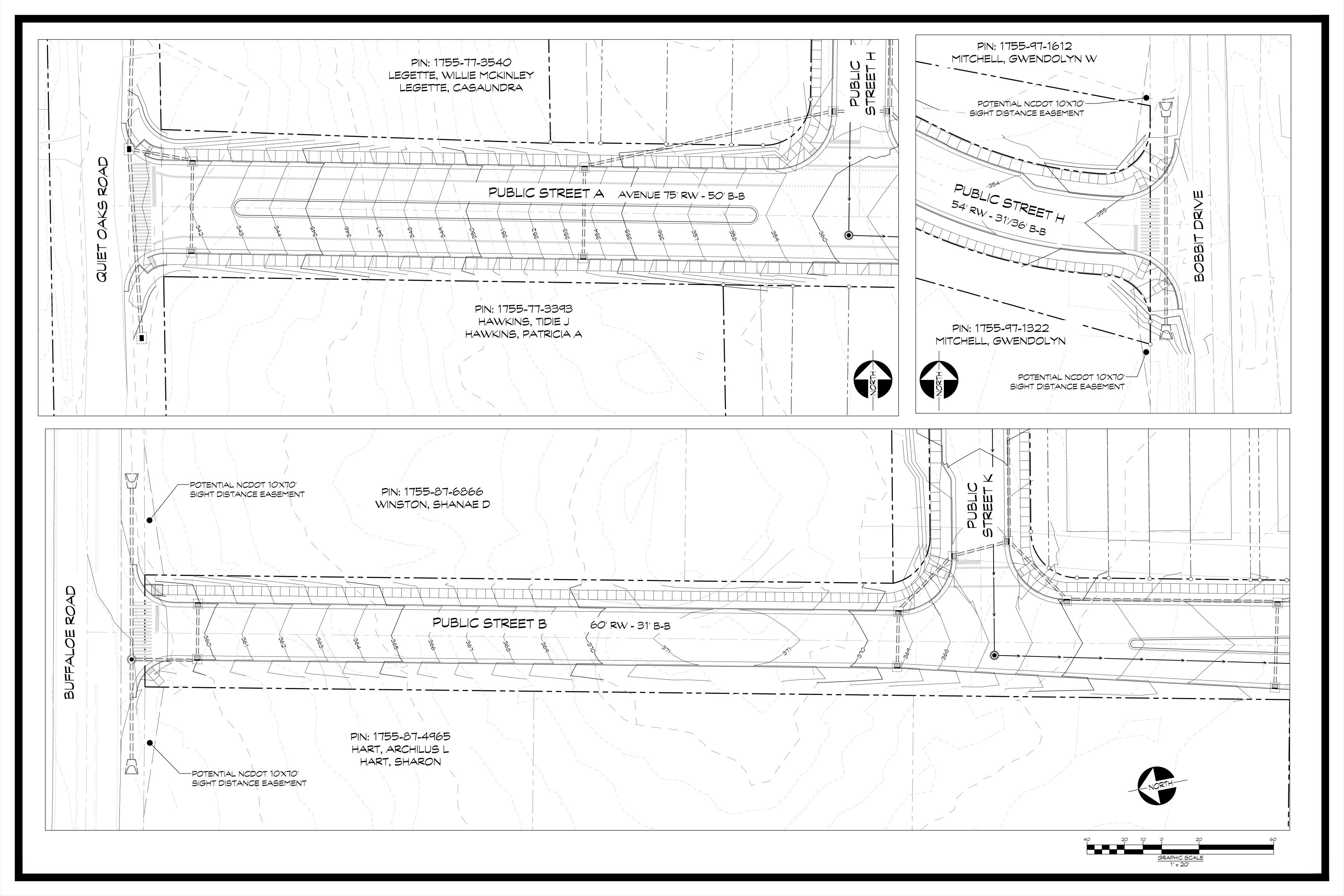




NAIR	RE SCHEDULE					
30L	LAMP	DESCRIPTION	BALLAST	MOUNTING	QUANTITY	LUMENS
	220W LED	COOPER LIGHTING - STREETWORKS, GAN-AE-O4-LED-U-T4W		25' BLACK POLE, UNLESS OTHERWISE NOTED	69	18,500









Town of Knightdale N. Carolina **Case Number ZMA-4-23** November 25, 2024 **Resubmitted January 16, 2025** 

### **PLANNED UNIT DEVELOPMENT**

### TERRAVITA

PLANNED UNIT DEVELOPMENT ZMA-4-23 0 Buffaloe Road Knightdale, North Carolina

### **OWNERS**

SITE INVESTMENTS LLC 933 OLD KNIGHT ROAD KNIGHTDALE, NC 27544 PIN 1755863977 12609 RICHMOND LLC 4601 SIX FORKS RD, SUITE 400 RALEIGH NC 27609 PIN 1775787080

### **DESIGN TEAM**

Entitlement Preservation Group Charles R Walker III, Principal *Master Planning/ Zoning* 

Priest, Craven and Associates, Inc Tommy Craven, President *Civil Engineering / Surveying* 

Soil and Environmental Consultants Steven Ball Wetland, Soils, and Buffer Consultants

> DRMP Chase Smith Traffic Engineering

# **Table of Contents**

1 Vision and Intent	
Community Vision and Community Intent	4
2 KnightdaleNext 2035	
Comprehensive Plan Consistency	5
3 Existing Conditions	
Vicinity Map	7
Current Zoning	9
Topography and Boundary	10
Vegetation	11
Preliminary Wetland and Stream Map	12
4 Master Plan	
Overall Master Plan	13
5 Infrastructure	
Street Plan	14
Pedestrian Circulation Plan	15
Street Sections	16
Preliminary Stormwater Plan	17
Preliminary Utility Plan	18
TIA Recommendations	19

### 6 Amenities

Site Programming Conceptual Open Space Image Open Space Plan

7 Landscape Preliminary Landscape Plan Landscape Buffers

### 8 Architectural Design Standards Conceptual Single-Family Det Conceptual Single-Family Attac Architectural Design Standards

9 Site Development Allowances Proposed Zoning Allowances

10 Neighborhood Meeting Neighborhood Meeting Informa Discussion Points Attendance Record

S tached ched (Townhomes)	26 27 28
tached ched (Townhomes)	28
ched (Townhomes)	28
S S	
	31 32
	35
ation	36
	37

# **Community Vision and Intent**

Terravita can be another exceptional addition toward the trend of planned communities that are being created within Town limits under the UDO Guidelines. Within its limits, it will provide a mixture of housing styles from two and three-story townhomes to several examples of single-family detached opportunities. Its overall development will include both active and passive open spaces, small play areas and open spaces spread throughout the neighborhood as well as two public art locations. We also embrace the existing developments around the Project by extending the chance to live within the Town and extending the area's road network.

Section 2.4.C. of the Town of Knightdale Unified Development Ordinance states that, "the Planned Unit Development Overlay District process encourages creativity and innovation in the design of developments through a master planning process that allows for flexibility from underlying zoning as approved by the Town Council."

Section 12.2.G.3.g.ii states that "approval of a development through a Planned Unit Development Overlay District rezoning, including modifications to the requirements of this UDO is a privilege and will be considered by the Town only in direct response to the accrual of tangible benefits from the planned unit development to the Town of the neighborhood in which it would be located."

### Toward those goals, we offer the following:

Exceptional passive and active recreational amenities spread throughout the site. Environmental protection and enhancement, landscape and architectural detailing, sense of place, and the mixture of more affordable housing opportunities. Conservation of natural features of the site.

Terravita proposal intends to meet the Planned Unit Development Overlay District requirements per Town of Knightdale UDO Section 12.2.G.3.g.ii.a. through the following findings:

#### Comprehensive Plan

The design of Terravita responds to the growth framework, greenway trails, and vision & intent laid out in the KnightdaleNext2035 Comprehensive Plan. It will be the next step of the expanding Planned Unit Developments in the Area such as Haywood Green, Weldon, and Brio.

#### Impact on Other Properties

Terravita is proposed as a mixed-style residential community. Currently, the adjacent land uses consist of older existing single-family residences, mostly developed in the '60s and 70's to the North, East, and West. To the South is a larger-lot County-designed subdivision and the newly approved PUD Weldon. The Project will use and help to provide increased vehicular connectivity and access to extend the public greenway trail.

#### Impact on Public Facilities & Resources

Terravita will provide adequate utilities, road access, drainage, and other necessary facilities to properly serve the new residents of the Project. It will connect to water and sewer by extending the utilities currently under construction at Weldon. The Owners of the Project in a joint venture with the developers of Weldon and the City of Raleigh are committed to extending and upgrading the existing system as required to serve both facilities.

### Archaeological, Historical, or Cultural Impact

The design of Terravita maintains the majority of the riparian buffers on the site as well as the existing pond which will become an open space and recreation focal point. There are no archaeological or historical structures, on site.

### Public Welfare

Terravita will maintain the majority of the riparian buffers and wetlands that are onsite. The Project will also improve pedestrian connectivity, expand open space and help supply more affordable housing choices in the area.

#### Parking & Traffic

Internally, Terravita will be a pedestrian-friendly community. The mixture of housing types is mostly rear-loaded and also has on-street parking areas included in the neighborhood road network. The current Master Plan also shows at least five access points to surrounding Properties.

As required by the Code, sight distance triangles will be protected. All street radii are adequate for emergency vehicle access. The greenway trail and sidewalk connections will be clear and will provide a safe pedestrian connection through the Project.

### Buffering

A 20' Type B Buffer yard is proposed along the entire perimeter of Terravita, with the exception of uiltity conflicts which will provide visual privacy and seperation between the older subdivisions that currently do not have perimeter buffers. Within the Project, appropriate riparian and wetland buffers will be protected.

## **Comprehensive Plan Consistency**

### Growth Framework

This application is to propose a rezoning from RR1 to GR8-PUD. If approved, it would advance the goals as described in the KnightdaleNext2035 Comprehensive Plan. Terravita is located near a Neighborhood Node but currently within the Rural Planning area as identified in the Growth Framework Plan. Changing the future land use from Rural Living to a more dense walkable neighborhood would support the neighborhood node recently approved in Weldon. Higher-density projects with extensive open space create more walkable, pedestrian-friendly neighborhoods.

The KnightdaleNext2035 Comprehensive Plan uses a 'playbook approach' to guide future growth and development. The Terravita application aligns with the Playbook approach to guiding principles, and is listed as a "Growth Reserve Area".

As designed, Terravita will correspond to Knightdale's Guiding Principles of natural environment, infill development, alternative design patterns, parks and recreation, transportation, compact development patterns, community design, economic vitality, and great neighborhoods with expanded home choices.

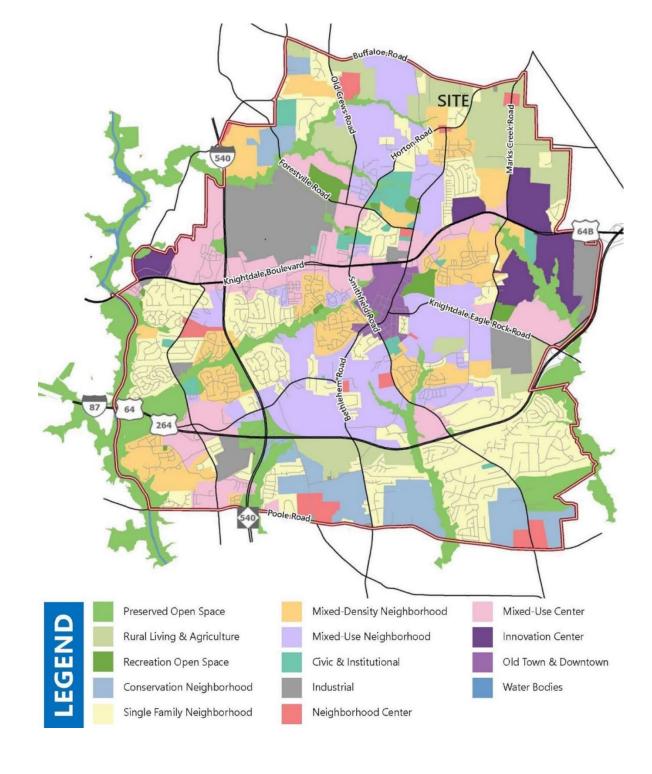
Terravita pedestrian opportunities honor Knightdale's Vision of neighborhoods throughout the Town providing a sense of connection. There are sidewalks proposed on both sides of the streets and connect to private open spaces as well as the Greenway. A public Greenway will be extended from Weldon along the main avenue, through the open space park near the existing pond, and finally ending on the Project's eastern boundary. This type of design aligns with the Trails and Greenways plan found in the Comprehensive Plan.

The Growth Framework plan also calls for all development proposals within Rural Planning areas should include public input. Terravita held an online neighborhood meeting on July 25, 2024, and presented the application. After sharing the information and answering their questions, the overall feeling was this could be a positive addition to the area.

Neighborhood nodes identify recommended retail locations for neighborhoods. While Terravita does not have the required major street frontage to support retail use, its addition to the area will help the proposed retail uses thrive in Weldon. The plan for Weldon has a commercial outparcel that will be easily accessible to the surrounding neighborhoods,

including Terravita, yet small enough to meet the intended scale proposed by KnightdaleNext2035.

The proposed plan for Terravita will also provide a mixture of housing opportunities to promote a diverse and walkable community.

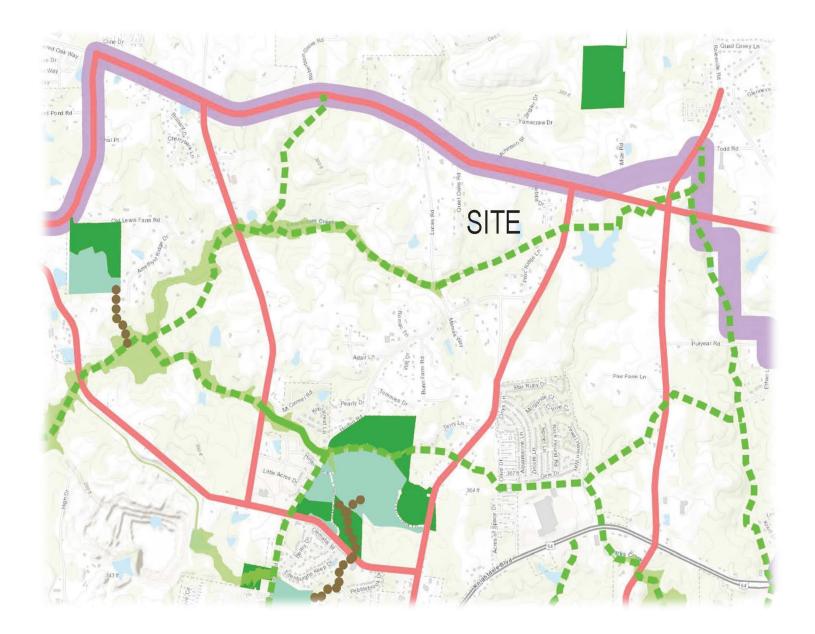


# **Comprehensive Plan Consistency**

### Trails & Greenways

The proposed design for Terravita creates a connected network of open spaces with passive and active recreational amenities while enhancing existing natural features. Central Park will mainly focus on the existing pond and the addition of public art space. The plan also provides safe and convenient pedestrian and bicycle access for nearby residents through the use of sidewalks and a greenway trail that aligns with the KnightdaleNext2035 Comprehensive Plan.

The proposed greenway trail will continue from Weldon, north along the main street move along the front courtyards, into Central Park, and finally extend to the eastern boundary of the Project. It will be a combination of trails through natural areas as well as a more urban setting.

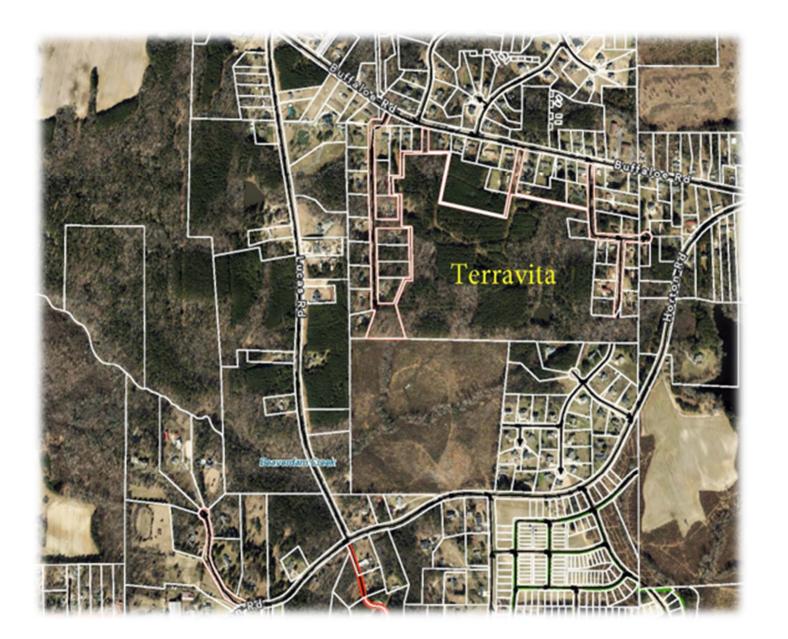


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# **Vicinity Map / Aerial**

While both tracts that make up the area of the Project have the same address, 0 Buffaloe Road the PINS are:

Site Investments LLC 1755863977 and 12609 Richmond LLC 1775787080



#### Legal Description Lot 1

Beginning at a Iron Pipe Found having coordinates of N:756362.67, E:2157145.30; thence with a bearing of N 19°41'31" E a distance of 263.86 feet to a Iron pipe found, thence with a bearing of N 89°30'18" W a distance of 30.03 feet to a Iron pipe found, thence with a bearing of N 00°49'32" W a distance of 184.39 feet to a Iron pipe found; thence with a bearing of N 01°04'28" W a distance of 208.87 feet to a Iron pipe found; thence with a bearing of N 01°01'26" W a distance of 208.62 feet to a Iron Pipe Found; thence with a bearing of N 01°00'23" W a distance of 208.88 feet to a Iron pipe found; thence with a bearing of N 01°02'18" W a distance of 206.67 feet to a Iron pipe found, thence with a bearing of N 00°49'17" W a distance of 210.80 feet to a Iron pipe found, thence with a bearing of N 01°00'03" W a distance of 209.44 feet to a Iron Pipe Found; thence with a bearing of N 01°00'54" W a distance of 208.64 feet to a IRON PIPE SET; thence with a bearing of N 31°50'49" E a distance of 52.05 feet to a Iron pipe found; thence with a bearing of S 88°24'02" E a distance of 91.11 feet to a Iron pipe found; thence with a bearing of N 21°55'14" E a distance of 83.86 feet to a Iron pipe found, thence with a bearing of S 60°36'45" E a distance of 60.54 feet to a IRON PIPE SET; thence with a bearing of S 21°43'40" W a distance of 92.11 feet to a IRON PIPE SET; thence with a bearing of \$ 87°49'25" E a distance of 256.60 feet to a IRON PIPE SET; thence with a bearing of S 74°24'51" E a distance of 82.66 feet to a COMPUTED CORNER; thence with a bearing of N 88°57'29" W a distance of 95.25 feet to a Iron pipe found, thence with a bearing of N 88°50'44" W a distance of 99.76 feet to a Iron pipe found, thence with a bearing of N 88°45'34" W a distance of 100.05 feet to a Iron pipe *found*; thence with a bearing of **N 88°01'01'' W** a distance of **149.21** feet to a *IRON PIPE SET*; thence with a bearing of S 00°57'52" E a distance of 303.97 feet to a Iron pipe found, thence with a bearing of S 00°55'42" E a distance of 316.42 feet to a Iron pipe found, thence with a bearing of S 01°01'25" E a distance of 208.98 feet to a Iron pipe found; thence with a bearing of \$ 87°58'25" E a distance of 208.73 feet to a Iron Pipe Found; thence with a bearing of N 00°59'23" W a distance of 209.80 feet to a IRON PIPE SET; thence with a bearing of N 88°11'57" W a distance of 71.17 feet to a IRON PIPE SET; thence with a bearing of N 02°32'18" W a distance of 184.24 feet to a Iron pipe found nail; thence with a bearing of S 88°41'42" E a distance of 100.03 feet to a Iron Pipe Found; thence with a bearing of N 01°17'10" E a distance of 218.00 feet to a Iron pipe found; thence with a bearing of S 88°57'36" E a distance of 199.86 feet to a Iron pipe found, thence with a bearing of N 01°08'29" E a distance of 216.36 feet to a Iron pipe found; thence with a bearing of S 76°54'00" E a distance of 49.17 feet to a IRON PIPE SET; thence with a bearing of S 77°51'31" E a distance of 3.43 feet to a IRON PIPE SET; thence with a bearing of S 00°39'25" W a distance of 197.76 feet to a COMPUTED CORNER; thence with a bearing of S 89°03'55" E a distance of 208.60 feet to a iron Pipe Set; thence with a bearing of S 11°53'38" W a distance of 457.04 feet to a Iron Pipe Found; thence with a bearing of S 78°08'24" E a distance of 602.89 feet to a Iron Pipe Found; thence with a bearing of N 11°53'26" E a distance of 613.26 feet to a COMPUTED CORNER; thence with a bearing of S 78°48'54" E a distance of 60.00 feet to a IRON PIPE SET; thence with a bearing of S 11°53'26" W a distance of 400.86 feet to a COMPUTED CORNER; thence with a bearing of S 79°17'03" E a distance of 676.13 feet to a IRON PIPE SET; thence with a bearing of N 00°02'04" W a distance of 401.32 feet to a COMPUTED CORNER; thence with a bearing of S 78°32'43" E a distance of 60.04 feet to a IRON PIPE SET; thence with a bearing of S 00°15'14" E a distance of 302.71 feet to a Iron pipe found, thence with a bearing of S 00°47'19" W a distance of 104.52 feet to a Iron pipe found; thence with a bearing of S 04°29'34" E a distance of 199.07 feet to a IRON PIPE SET; thence with a bearing of S 86°08'02" E a distance of 401.19 feet to a Iron pipe found, thence with a bearing of S 00°01'46" E a distance of 59.39 feet to a Iron pipe found, thence with a bearing of N 86°19'29" W a distance of 126.73 feet to a Iron pipe found; thence with a bearing of S 03°45'15" W a distance of 223.79 feet to a Iron pipe found, thence with a bearing of S 03°45'45" W a distance of 202.18 feet to a Iron pipe found, thence with a bearing of S 03°42'52" W a distance of 88.30 feet to a Iron pipe found, thence with a bearing of S 15°11'51" W a distance of 84.03 feet to a Iron Pipe Found; thence with a bearing of S 32°14'27" W a distance of 83.98 feet to a Iron pipe found, thence with a bearing of N 15°42'58" W a distance of 9.88 feet to a Iron pipe found, thence with a bearing of N 03°46'21" E a distance of 155.35 feet to a Iron pipe found; thence with a bearing of N 03°46'09" E a distance of 155.44 feet to a Iron pipe found, thence with a bearing of N 03°45'36" E a distance of 142.82 feet to a Iron pipe found; thence with a bearing of N 03°49'26" E a distance of 207.61 feet to a Iron pipe found; thence with a bearing of N 86°20'04" W a distance of 105.18 feet to a Iron pipe found bent, thence with a bearing of N 86°05'27" W a distance of 104.82 feet to a Iron pipe found; thence with a bearing of N 87°14'04'' W a distance of 78.83 feet to a IRON PIPE SET; thence with a bearing of N 00°02'04" W a distance of 145.20 feet to a IRON PIPE SET; thence with a bearing of N 00°02'04" W a distance of 107.37 feet to a COMPUTED CORNER; thence with a bearing of N 79°17'09'' W a distance of 720.44 feet to a COMPUTED CORNER; thence with a bearing of S 11°54'02'' W a distance of 212.27 feet to a COMPUTED CORNER; thence with a bearing of N 78°08'14" W a distance of 642.82 feet to a COMPUTED CORNER; thence with a bearing of N 11°54'02" E a distance of 452.84 feet to a

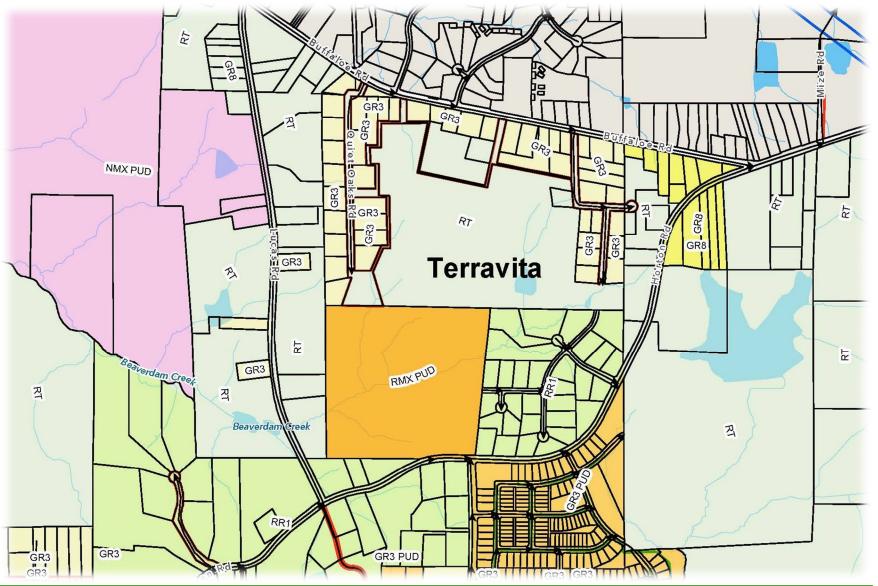
COMPUTED CORNER; thence with a bearing of S 89°02'12" W a distance of 236.19 feet to a COMPUTED CORNER; thence with a bearing of N 88°55'38" W a distance of 181.48 feet to a COMPUTED CORNER; thence with a bearing of S 01°15'58" W a distance of 217.93 feet to a COMPUTED CORNER; thence with a bearing of N 88°43'38" W a distance of 98.78 feet to a COMPUTED CORNER; thence with a bearing of S 02°34'12" E a distance of 144.89 feet to a COMPUTED CORNER; thence with a bearing of S 87°53'39" E a distance of 71.47 feet to a COMPUTED CORNER; thence with a bearing of S 00°38'08'' E a distance of 283.44 feet to a COMPUTED CORNER; thence with a bearing of S 89°02'55" E a distance of 93.35 feet to a COMPUTED CORNER; thence with a bearing of S 00°58'41" E a distance of 474.63 feet to a COMPUTED CORNER; thence with a bearing of N 89°10'15" W a distance of 63.76 feet to a COMPUTED CORNER; thence with a bearing of S 23°37'09" W a distance of 232.55 feet to a COMPUTED CORNER; thence with a bearing of S 17°22'47" E a distance of 317.94 feet to a COMPUTED CORNER; thence with a bearing of N 89°09'51" W a distance of 372.29 feet to a Iron Pipe Found, which is the point of beginning, containing approximately 437,159.52 square feet or 10.0358 acres, as shown on a survey entitled "BOUNDARY SURVEY HORTON PLACE LOTS 1 & 2 FOR ENTITLEMENT PRESERVATION GROUP" by Daniel J. Burud, Professional Land Surveyor of Priest Craven and Associates, Inc. dated 02/06/23.

#### Legal Description Lot 2

Beginning at a COMPUTED POINT having coordinates of N:756357.24, E:2157517.56; thence with a bearing of N 17°22'47" W a distance of 317.94 feet to a COMPUTED POINT, thence with a bearing of N 23°37'09" E a distance of 232.55 feet to a COMPUTED POINT; thence with a bearing of S 89°10'15" E a distance of 63.76 feet to a COMPUTED POINT; thence with a bearing of N 00°58'41" W a distance of 474.63 feet to a COMPUTED POINT; thence with a bearing of N 89°02'55" W a distance of 93.35 feet to a COMPUTED POINT; thence with a bearing of N 00°38'08'' W a distance of 283.44 feet to a COMPUTED POINT; thence with a bearing of N 87°53'39" W a distance of 71.47 feet to a COMPUTED POINT, thence with a bearing of N 02°34'12" W a distance of 144.89 feet to a COMPUTED POINT; thence with a bearing of S 88°43'38" E a distance of 98.78 feet to a COMPUTED POINT; thence with a bearing of N 01°15'58" E a distance of 217.93 feet to a COMPUTED POINT; thence with a bearing of S 88°55'38" E a distance of 181.48 feet to a COMPUTED POINT; thence with a bearing of N 89°02'12" E a distance of 236.19 feet to a COMPUTED POINT; thence with a bearing of S 11°54'02" W a distance of 452.84 feet to a COMPUTED POINT; thence with a bearing of S 78°08'14'' E a distance of 642.82 feet to a COMPUTED POINT: thence with a bearing of N 11°54'02'' E a distance of 212.27 feet to a COMPUTED POINT; thence with a bearing of S 79°17'09'' E a distance of 720.44 feet to a COMPUTED POINT; thence with a bearing of S 00°02'04" E a distance of 107.37 feet to a IRON PIPE SET, thence with a bearing of N 74°14'02" W a distance of 202.22 feet to a IRON PIPE SET; thence with a bearing of S 03°23'02" E a distance of 173.82 feet to a IRON PIPE SET; thence with a bearing of S 81°47'02" E a distance of 186.35 feet to a IRON PIPE SET; thence with a bearing of S 87°14'04" E a distance of 78.83 feet to a IRON PIPE FOUND; thence with a bearing of S 03°47'06" W a distance of 661.49 feet to a IRON PIPE SET; thence with a bearing of S 86°17'18" E a distance of 210.00 feet to a IRON PIPE FOUND; thence with a bearing of S 15°42'58" E a distance of 9.88 feet to a IRON PIPE FOUND ; thence with a bearing of N 86°26'45" E a distance of 227.96 feet to a IRON PIPE FOUND; thence with a bearing of S 00°20'04" W a distance of 242.61 feet to a IRON PIPE FOUND; thence with a bearing of N 89°11'54" W a distance of 1194.23 feet to a AXLE FOUND; thence with a bearing of N 89°10'07" W a distance of 967.55 feet to a COMPUTED POINT;

which is the point of beginning, containing approximately 2,308,585.25 square feet or 52.9978 acres, as shown on a survey entitled "BOUNDARY SURVEY HORTON PLACE LOTS 1 & 2 FOR ENTITLEMENT PRESERVATION GROUP" by Daniel J. Burud, Professional Land Surveyor of Priest Craven and Associates, Inc. dated 02/06/23.

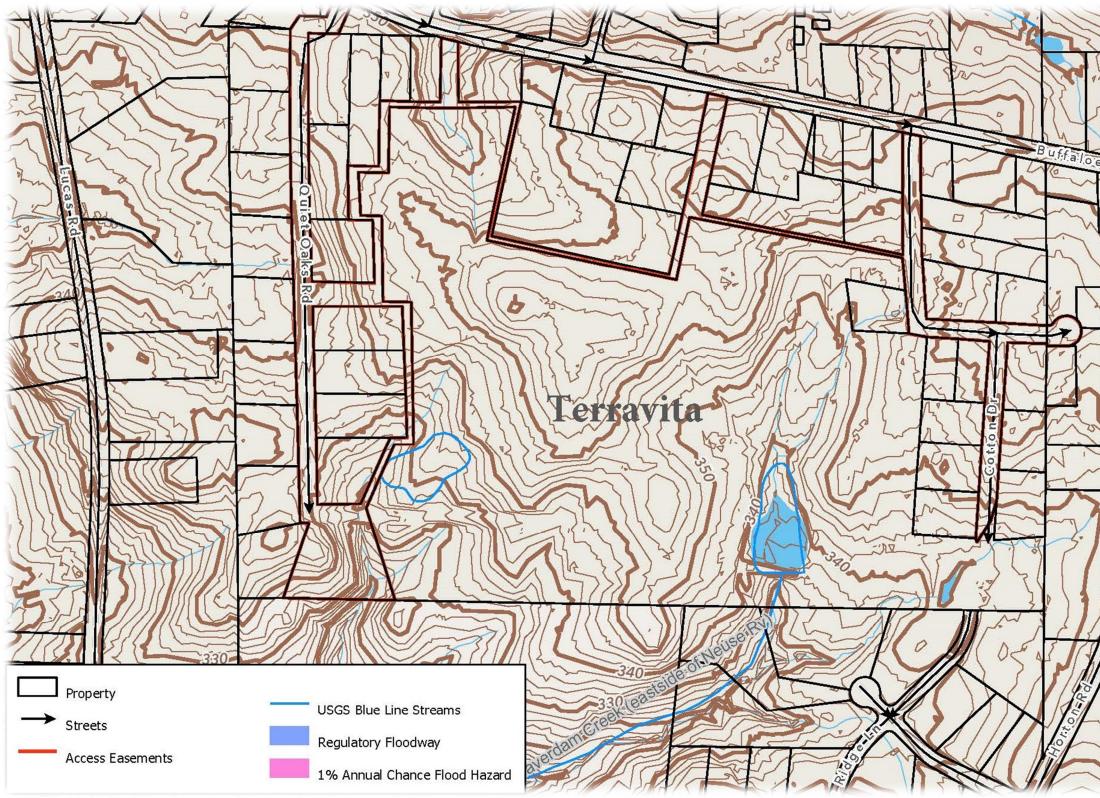
# **Current Zoning**



Terravita is in a Growth Reserve Area of the playbook. "Growth reserve areas represent land deemed unfavorable for significant development within the time frame of the comprehensive plan, 2024 to 2035, because they are unserved or underserved by municipal water and sewer utilities, curbside trash pickup, or police and fire protection, and it would be expensive to expand or extend services in these areas at this time. Areas designated as growth reserve on the map are not strictly prohibited from development in the future, but properties proposed for development should be evaluated utilizing the playbook approach in the comprehensive plan. Town officials should resist using the playbook approach unless significant infrastructure and service commitments are made by the private developer. If change is contemplated, it should implement the Future Place Type Map and the recommendations presented for the individual place type categories. The areas should be evaluated, and the boundaries modified, as necessary, during the next update to the comprehensive plan. Reclassification of growth reserve areas into a higher category — presumably secondary growth area, primary growth area, or target growth area — should be contingent upon the proximity or presence of infrastructure needed to support intended development: water, sewer, parks and recreation, police, fire, and transportation."

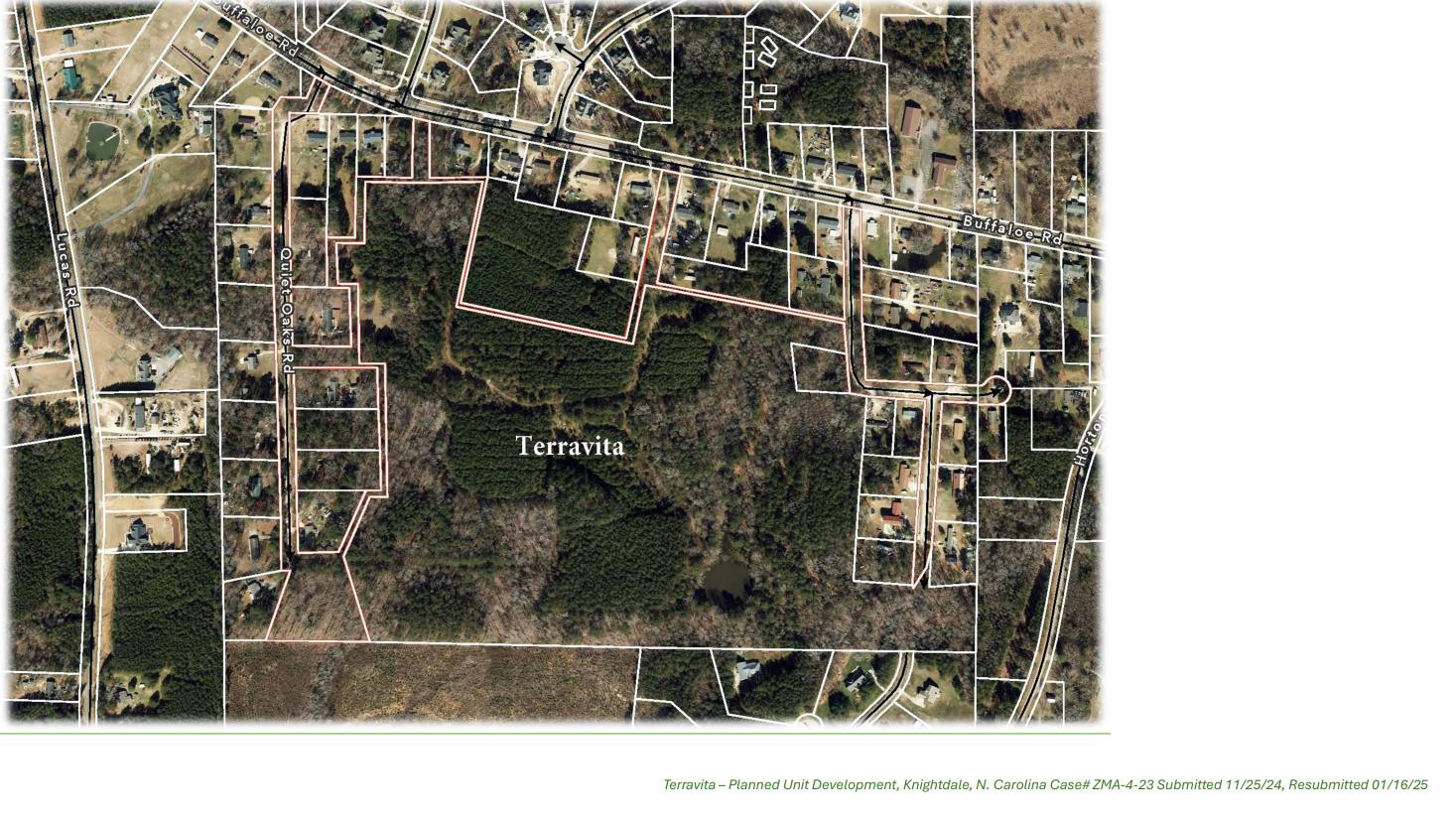
This proposal meets the definitions listed above to be considered for a new PUD designation. As shown, the proposal includes significant infrastucture and service commitments as well as alternate and innovative design elements that would be a positive asset to the Town.

# **Area Topography**

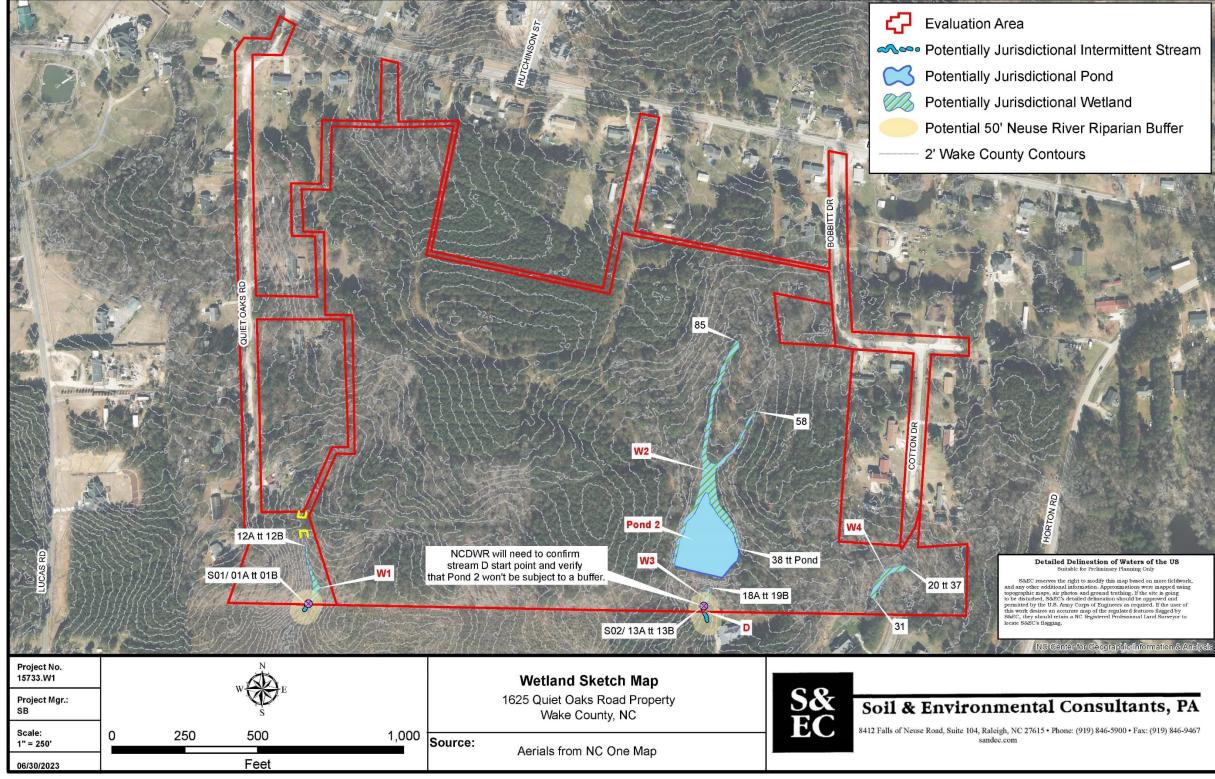




# **Area Vegetation**



### **Preliminary Wetland and Stream Analysis**



## **Overall Master Plan**



#### SITE STATISTICS:

PROPOSED ZONIN **RIVER BASIN** WATERSHED

GROSS SITE ARE AREA IN I AREA IN I NET SITE AREA IN A AREA IN / AREA IN / AREA IN / AREA IN I TOTAL RECREATION ACTIVE R PASSIVE ADDITIONAL COM AREA IN ( AREA IN TOTAL UNITS PROF "59'" SIN "80"" SING "30"" REA "35"" REAF

#### LEGEND:

1

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IN	G

GR8-PUD NEUSE LOWER NEUSE RIVER

SHED		LOWERINE
ALCULATIONS		
S SITE AREA		60.68 AC
AREA IN INTERNAL PUBLIC STREET RIGHT-OF-WAY		13.18 AC
AREA IN EXISTING ACCESS EASEMENTS/RIGHT-OF-WAYS		2.72 AC
NET SITE AREA		44.78 AC
AREA IN APPROX. 59'X120' SINGLE FAMILY RESIDENTIAL LOTS	11.76%	2.90 AC
AREA IN APPROX. 80'X120' SINGLE FAMILY RESIDENTIAL LOTS	4.56%	1.13 AC
AREA IN APPROX. 30'X140' REAR-LOADED SF RESIDENTIAL LOTS	35.27%	8.71 AC
AREA IN APPROX. 35'X140' REAR-LOADED SF RESIDENTIAL LOTS	19.44%	4.80 AC
AREA IN REAR -LOADED TOWNHOUSE LOTS	28.96%	7.15 AC
RECREATIONAL OPEN SPACE PROVIDED		8.95 AC
ACTIVE RECREATIONAL SPACE PROVIDED		5.02 AC
PASSIVE RECREATIONAL SPACE PROVIDED		3.93 AC
ONAL COMMON OPEN SPACE (DOES NOT COUNT TOWARDS REQUI	REMENTS)	11.14 AC
AREA IN COMMON AREA OPEN SPACE		7.82 AC
AREA IN PRIVATE ALLEY EASEMENTS		3.32 AC
JNITS PROPOSED	4.0 UN/AC	245
"59'" SINGLE FAMILY (4 BEDROOM)		17
"80'" SINGLE FAMILY (4 BEDROOM)		5
"30'" REAR-LOADED SINGLE FAMILY (3 BEDROOM)		83
"35'" REAR-LOADED SINGLE FAMILY (3 BEDROOM)		39
REAR-LOADED TOWNHOUSE (3 BEDROOM)		101

- ALLEY/GREENWAY
- **RIGHT-OF-WAY**
- 59'X120' SINGLE FAMILY RESIDENTIAL LOT
- 80'X120' SINGLE FAMILY RESIDENTIAL LOT
- 30'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT
- 35'X140' REAR-LOADED SINGLE FAMILY RESIDENTIAL LOT
- REAR-LOADED TOWNHOUSE LOT
- OPEN SPACE
- STORMWATER CONTROL MEASURE

### **Street Plan**



### STREET TYPES:

AVENUE

RIGHT OF WAY: 75' STREET WIDTH: 51' B-B WITH 10' MEDIAN DESIGN SPEED: 35 - 45 MPH MAIN STREET RIGHT OF WAY: 70' STREET WIDTH: 47' B-B WITH 10' MEDIAN DESIGN SPEED: 20 - 25 MPH LOCAL STREET RIGHT OF WAY: 54' STREET WIDTH (NO PARKING): 31' B-B STREET WIDTH (PARALLEL PARKING ON 1 SIDE): 31.5' B-B DESIGN SPEED: 20 - 25 MPH PRIVATE ALLEY RIGHT OF WAY: 20' STREET WIDTH: 12' MIN. - 16' MAX. DESIGN SPEED: 10 MPH

REQUIRED RMX REDUCTI CONNEC

PROVIDE LINKS NODES CI = LINK

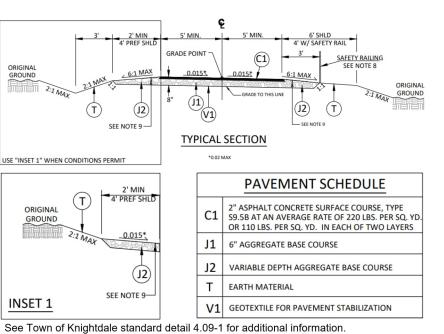
#### CONNECTIVITY INDEX:

TION FOR 4 SIDES WITH LIMITED ACCESS CTIVITY INDEX REQUIRED	1.40 (0.20) 1.20
ED	25
<s =<="" nodes="25/20" td=""><td>20 1.25</td></s>	20 1.25

## **Pedestrian Circulation Plan**



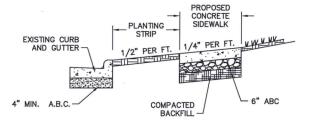
### **Typical Greenway Section**



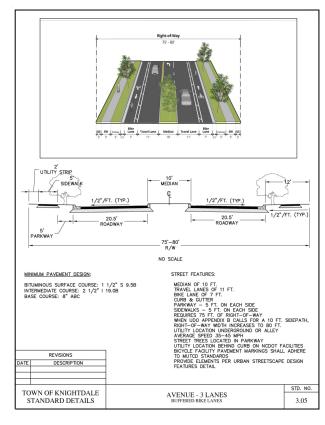
### **Typical Sidewalk Section**

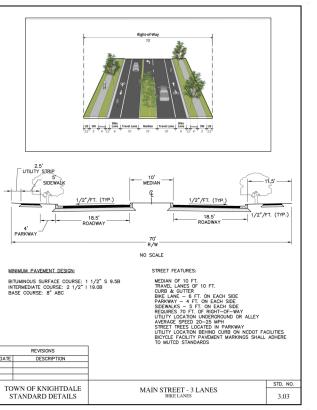
TYPICAL SECTION

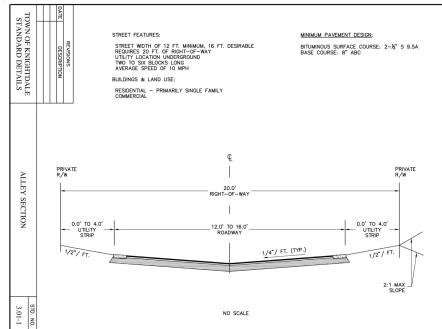
See Town of Knightdale standard detail 4.04-1 for additional information.

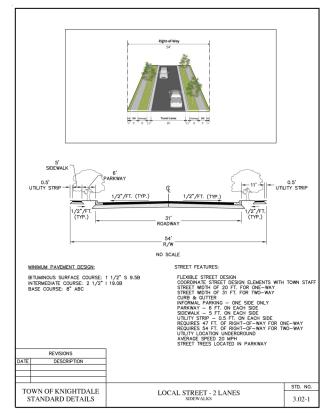


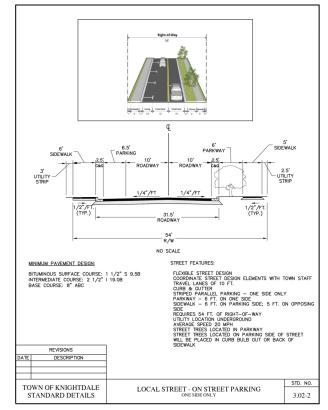
# **Street Sections**











### **Preliminary Stormwater Plan**



### **STORMWATER**

This plan is preliminary and subject to change as the project progresses.

Terravita proposes four (4) stormwater control measure (SCM) located as shown on the Preliminary Stormwater Management Plan. Stormwater containment shall be subject to the stormwater management requirements set forth in The Town of Knightdale Unified Development Ordinance, Chapter 9.

All SCMs shall utilize guidelines established in the NCDEQ Stormwater Design Manual.

## **Preliminary Utility Plan**



Terravita – Planned Unit Development, Knightdale, N. Carolina Case# ZMA-4-23 Submitted 11/25/24, Resubmitted 01/16/25

WATER BASE POINTS MAJOR SUBDIVISIO CATEGORY 2 - GREI 2A - CONSERVATIO

(OPEN SPACE 2B - FOUNTAIN WIT **2C - IMPLEMENT AF** 2C - EXCLUSIVE US CATEGORY 3 - OUT **3A - CONSTRUCTIO** 3A - OUTDOOR DIS 3A - ENHANCED RC CATEGORY 4 - AME 4C - OUTDOOR DE 4F - IPEMA CERTIF

ALLOCATION TABLE		

#### POINTS

DN	15
EN DEVELOPMENT STANDARDS	
IN OF NATURAL HABITATE MEETING ACTIVE OPEN SPACE REQUIREMENTS	3
LOT 1009 PRESERVING EXISTING POND AND WETLANDS)	
THIN WET POND SCM	4
FFORDABLE KNIGHTDALE PLAN (EXPANDED HOUSING: TH/COTTAGE COURTS)	10
E OF NATIVE LANDSCAPE SPECIES	5
DOOR ENHANCEMENT	
DN OF GATEWAY LANDSCAPING (ROUNDABOUT)	5
PLAY OF PUBLIC ART (2 ART LOCATIONS)	8
DADSIDE LANDSCAPING (STREET "H")	2
INITIES	
CK (AT GREENWAY & EXISTING POND)	3
ED PLAYGROUND EQUIPMENT	4
/ABLE POINTS	59

TOTAL UDO ALLOW

### **TIA Recommendations**

#### **TRAFFIC IMPACT ANALYSIS** TERRAVITA

**Knightdale, North Carolina** 

#### EXECUTIVE SUMMARY

#### 1. Development Overview

A Traffic Impact Analysis (TIA) was conducted for the proposed Terravita development in accordance with the Knightdale (Town) Unified Development Ordinance (UDO) and North Carolina Department of Transportation (NCDOT) capacity analysis guidelines. The proposed Terravita development is to be located south of Buffaloe Road between Quiet Oaks Drive and Bobbitt Drive in Knightdale, North Carolina. The proposed development, anticipated to be completed in 2029, is assumed to consist of 170 single-family lots and 75 townhomes. Access to the parcel is proposed via one full movement driveway along Buffaloe Road and internal connections to Quiet Oaks Road, Bobbitt Drive, Proc Ridge Lane, and the Old Knight Road extension (a part of the Weldon Village adjacent development).

#### 2. Existing Traffic Conditions

The study area for the TIA was determined through coordination with the Town and consists of the following existing intersections:

- Buffaloe Road and Lucas Road
- Buffaloe Road and Quiet Oaks Drive
- Buffaloe Road and Bobbitt Drive
- Buffaloe Road and Horton Road
- Horton Road and Horton Mill Drive
- Horton Road and Old Knight Road
- Horton Road and Lucas Road

Existing peak hour traffic volumes were determined based on traffic counts conducted at the study intersection listed above, in October of 2024 during a typical weekday AM (7:00 AM - 9:00 AM) and PM (4:00 PM - 6:00 PM) peak periods. Traffic volumes were balanced between study intersections, where appropriate.



#### 3. Future Traffic Conditions

Through coordination with the Town, it was determined that an annual growth rate of 3% would be used to generate 2030 (build-out+1) projected weekday AM and PM peak hour traffic volumes. Per the Town's UDO, a 3% growth rate was applied to the existing traffic counts to project to the year 2030. For the +10 future analysis required by the Town UDO, traffic was projected beyond 2030 using a 1% growth rate. The following adjacent developments were identified to be included as an approved adjacent development in this study:

- Haywood Glen
- Weldon Village
- Brio Development

Based on coordination with the Town, no roadway improvement projects are planned within the study area.

#### 4. Site Trip Generation

Average weekday daily, AM peak hour, and PM peak hour trips for the proposed development were estimated using methodology contained within the ITE Trip Generation Manual, 11.1<sup>th</sup> Edition. Table E-1 provides a summary of the trip generation potential for the site.

#### Table E-1: Site Trip Generation

Land Use (ITE Code)	Intensity	Daily Traffic	Weekday AM Peak Hour Trips (vph)		V PM Tr	
		(vpd)	Enter	Exit	En	
Single Family Lots (210)	170 DU	1,644	30	91	10	
Townhomes (215)	75 DU	522	8	25	2	
Total Trips		2,166	38	116	12	

#### 5. Capacity Analysis Summary

The analysis considered weekday AM and PM peak hour traffic for 2024 existing, 2030 nobuild, 2030 build, and 2039 future conditions. Refer to Section 7 of the TIA for the capacity analysis summary performed at each study intersection.



Pea	kday k Hour (vph) Exit
)3	61
4	17
27	78

iv | Page

#### 6. Recommendations

Based on the findings of this study, specific geometric and traffic control improvements have been identified at study intersections. The improvements are summarized below and are illustrated in Figure E-1.

#### Improvements by Weldon Village

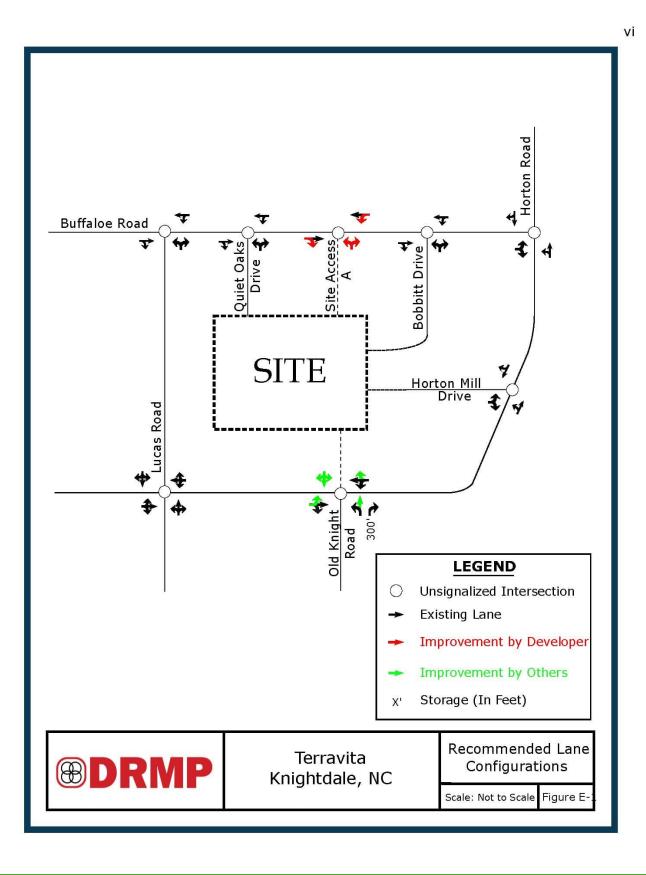
Horton Road and Old Knight Road

- Construct southbound approach (of Old Knight Road) with one ingress lane and one egress lane.
- Provide stop control for southbound approach.
- Construct eastbound left turn lane (on Horton Road) with 100' of storage plus appropriate deceleration and taper.

#### **Recommended Modifications by Developer**

#### Buffaloe Road and Site Access

• Construct northbound approach (of the proposed site access) with one ingress lane and one egress lane. Provide stop-control for the northbound approach.



**v |** Page

# Site Programming

Terravita will provide a variety of opportunities to promote a healthy lifestyle, enjoy the outdoors, and enjoy a sense of community. The site is proposing a connected network of ± 15 acres of open space with passive and active recreational amenities.

The proposed amenities are as follows:

10' Greenway Trail, approximately 1700 LF, that aligns with The Town of Knightdale 2035 Comprehensive Plan (KnightdaleNext) that proposes a greenway running through the site.

#### Central Park

The Park will be a large open green space that can be used for a variety of activities by the community. This includes enjoying the existing pond, walkways, and a public art installation site.

#### Playgrounds/ Play Areas

The playgrounds/areas and open lawn space will be distributed throughout the community. Each will be individually programmed with equipment and/or structures to allow residents to use for recreation or relaxation purposes.

#### Dog Park

The playground will be located in one of the active open space areas and will provide a place for residents to let their dogs run.

Pond Fountain The pond fountain will provide an enhancement to the existing pond.

#### Public Art

There are two spaces within the Project to be dedicated to Public Art. One in the roundabout as part of a Gateway Design. The second will be in Central Park, near the existing pond as part of a public plaza walking bridge and at least 3000 SF of decking or patio.

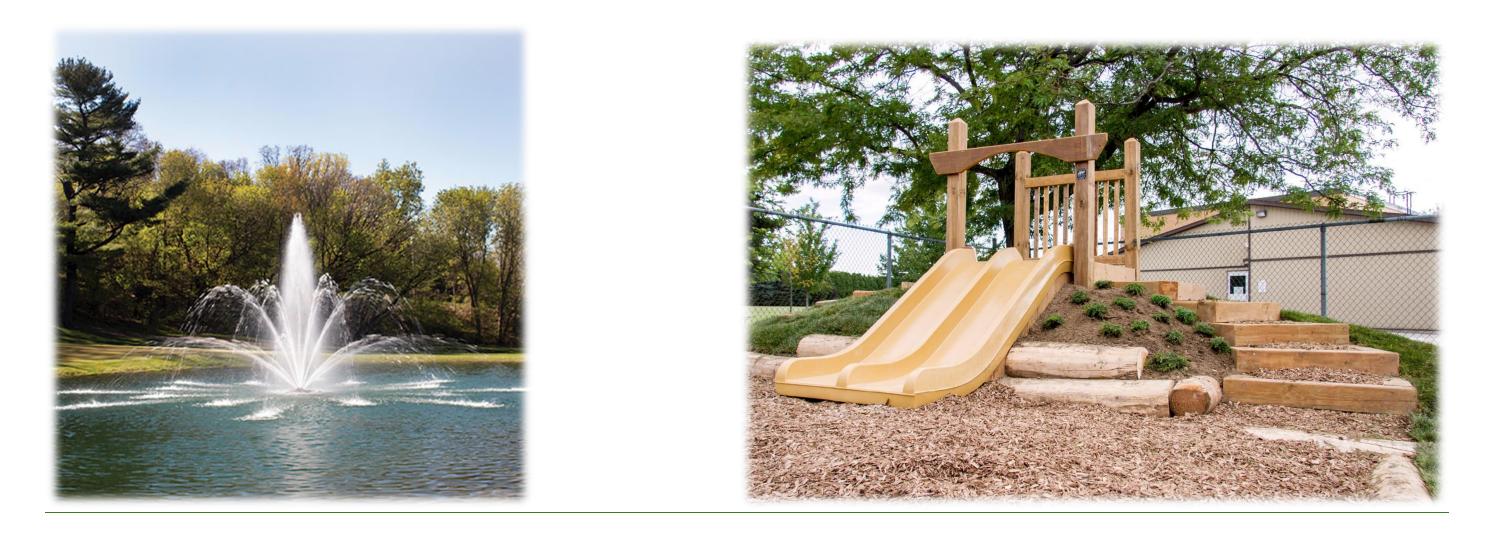
# **Conceptual Open Space Imagery**











## **Open Space Plan**



TOTAL NUMBER OF DEDICATIO TOTAL RECREATIO CREDITS TOTAL PA ACTIVE RE

TOTAL RECREATION ACTIVE RE PASSIVE

PASSIVE

ADDITIONAL COM AREA IN COMM AREA IN PRIVAT

#### **OPEN SPACE CALCULATIONS**

F BEDROOMS FION RATE (520/UNIT) ONAL OPEN SPACE REQUIRED (	BEFORE	CREDITS)	393640 SF	757 757x 520 9.04 AC
6 (PASSIVE OPEN SPACE)				
PARKWAY (PUB. ST. "H", 700 LF, 5	54' RW)	700x 27	(18900) SF	(0.43) AC
PARKWAY (PUB. ST. "A", 545 LF, 54	4' RW)	545x27	(14715) SF	(0.34) AC
ASSIVE OPEN SPACE CREDITS			(33615) SF	(0.77) AC
RECREATIONAL SPACE REQ'D	50%			4.52 AC
RECREATIONAL SPACE REQ'D	50%	MINUS CREDIT	SABOVE	3.75 AC
ONAL OPEN SPACE PROVIDED				8.95 AC
RECREATIONAL SPACE PROVIDE	D			5.02 AC
RECREATIONAL SPACE PROVID	ED			3.93 AC
IMON OPEN SPACE (DOES NOT (	COUNT T	OWARDS REQUI	REMENTS)	11.14 AC
MON AREA OPEN SPACE				7.82 AC
ATE ALLEY EASEMENTS				3.32 AC

## **Preliminary Landscape Plan**



STREET TREE CALCU CANOPY STREET TRI ACER RUBRUM (AR) CARPINUS CAROLII NYSSA SYLVATICA '\ QUERCUS ALBA (QA QUERCUS RUBRA ( ULMUS AMERICANA

20' TYPE B BUFFER TOTAL LENGTH OF 1 CANOPY TREES REC UNDERSTORY TREE SHRUBS REQUIRED

CANOPY TREES PROVIDED: ACER RUBRUM (AR) ULMUS AMERICANA (UA)

UNDERSTORY TREE PRUNUS CAROLINIA MAGNOLIA VIRGINI ILEX CASSINE (IL)

SHRUBS PROVIDED HYDRANGEA ARBO ILEX GLABRA (IG) MYRICA CERIFERA

PARKING AREA TREE CANOPY STREET TR ACER RUBRUM (AR) ULMUS AMERICANA (UA)

#### LANDSCAPING CALCULATIONS

CULATIONS & PLANT LIST (PLAN	TED AT 40' INTERVALS PER UDO 7.4.L)		
REES PROVIDED:		407	TREES
ς)	RED MAPLE	68	TREES
INIANA (CB)	AMERICAN HORNBEAM	67	TREES
'WILDFIRE' (NS)	BLACK GUM	68	TREES
2A)	WHITE OAK	68	TREES
(QR)	EASTERN RED OAK	68	TREES
IA (UA)	AMERICAN ELM	68	TREES
TYPE BUFFER TO BE PLANTED QUIRED (3 PER 100 LF): ES REQUIRED (5 PER 100 LF):		8550 257 428	LF TREES TREES
D (20 PER 100 LF):		1710	SHRUBS
ROVIDED:		257	TREES

**RED MAPLE** 

AMERICAN ELM

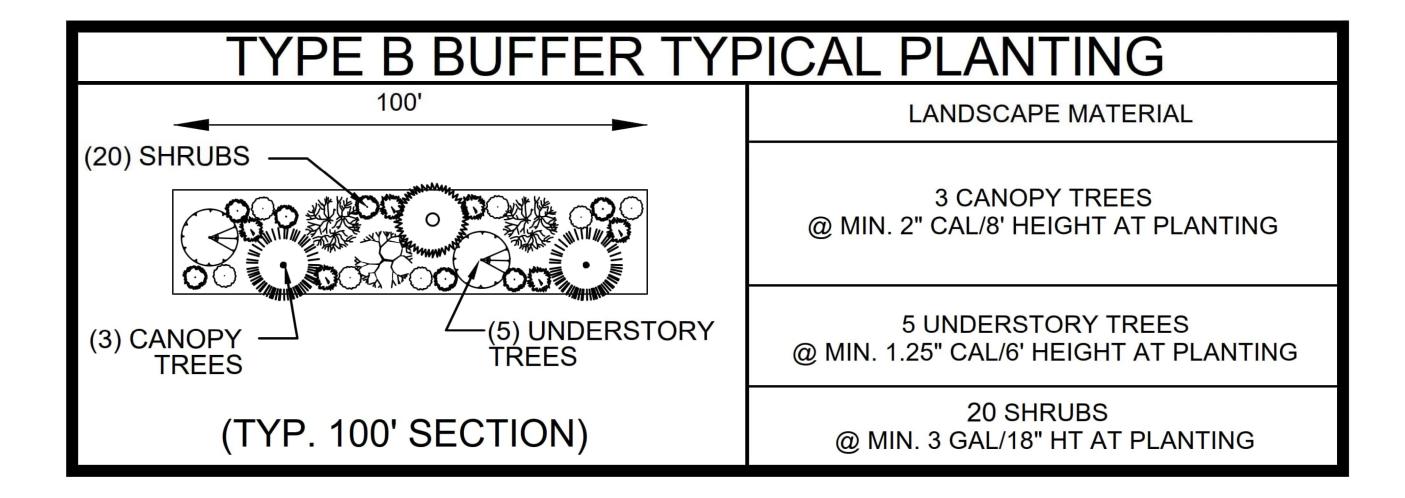
ES PROVIDED: IIANA (PR) IIANA (MV)	CHERRY LAUREL SWEETBAY MAGNOLIA DAHOON HOLLY	428 143 143 142	TREES TREES TREES TREES
D: DRESCENS (HA) . (MC)	HYDRANGEA INKBERRY HOLLY WAX MYRTLE	1710 570 570 570	SHRUBS SHRUBS SHRUBS SHRUBS
EES PROVIDED REES PROVIDED: R) IA (UA)	RED MAPLE AMERICAN ELM	6 3 3	TREES TREES TREES

128 TREES

TREES

129

## **Landscape Buffers**



# **Conceptual Single-Family Detached Products**



\* Elevations and renderings are an example of product.
 Builder reserves the right to change plans, designs, elevations and pricing without notice.

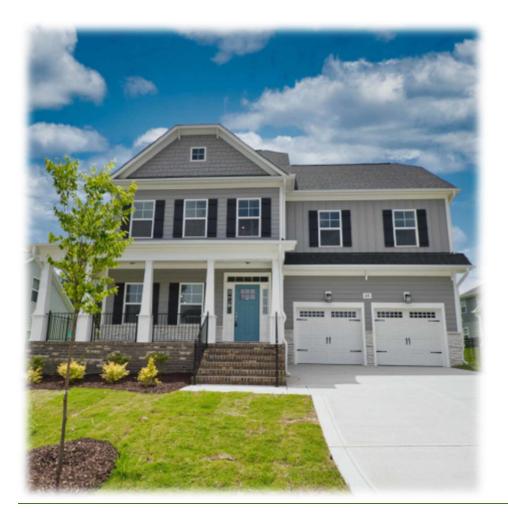




\* Elevations and renderings are an example of product.
 Builder reserves the right to change plans, designs, elevations and pricing without notice.



\* Elevations and renderings are an example of product.
 Builder reserves the right to change plans, designs, elevations and pricing without notice.





# **Conceptual Single-Family Attached Products**





## **Architectural Design Standards**

1. Single-family homes built on lots at least 60 feet wide will have a minimum heated area of 2,000 square feet.

2. Single-family homes built on lots at least 60 feet wide will have a minimum heated area of 1,600 square feet.

3. Single-family detached homes built on lots less than 60 feet wide will have a minimum heated area of 1,600 square feet and be no less than 19 feet wide.

4. All single-family homes with stem wall, crawl, or slab foundations will provide a minimum of 2 stair risers, and the finished floor elevation is to be a minimum of 18" above the finished grade on the front-facing street elevation of the homes. Finished grade elevation shall be defined as the average height at the back of the curb along the unit frontage facing public streets. Foundations will be wrapped in either brick or stone.

5. All single-family homes and townhomes will have a combination of two or more of the following materials on the front façade (not counting foundation): stone, brick, lap siding, fiber cement siding, shakes, or board and batten. The exterior siding material on the side and rear facades, except for interior townhome units, will be fiber cement. When two materials are used, the materials shall be different but complementary colors. Vinyl may be used only for window trim, shutters, soffits, fascia, and/or corner boards.

6. All single-family detached homes will be limited to a three-story maximum and will provide for a variety of elevations. Units of the same elevation shall not be side by side. Exterior color schemes will not be repeated side by side.

7. All single-family detached homes will have a front porch with a minimum depth of 5 feet, which may encroach up to 6 feet into the front setback. Front porch posts will be at least 6"x6" in size.

8. Front-loaded garages will not protrude more than 6 feet from the front porch or stoop, and all garage doors shall contain decorative hardware and window inserts.

9. There shall be a minimum 12" overhang on every gable end for single-family homes and townhomes.

- 10. All homes will include architectural-style shingles.
- 11. Townhomes shall be two or three stories in height with a minimum width of 20 feet wide, and a minimum heated area of 1,500 square feet.
- 12. All townhomes shall have a covered porch element.
- 13. Single-family front-loaded detached homes shall have two-car garages, and single-family detached (townhomes) shall have one-car garages.
- 14. All single-family homes on lots 35 or less feet in width shall have a rear garage and be accessed via a private rear-loaded alley.

32

Single-Family Attached (Townhomes)

15. Vinyl siding is not permitted; however, vinyl windows, decorative elements, and trim are permitted.

16. The roofline cannot be a single mass; it must be broken up horizontally and vertically no more than two units.

17. Garage doors must have windows, decorative details, or carriage-style adornments on them.

18. House entrances for units with front-facing single-car garages shall have a prominent covered porch/stoop area leading to the front door.

19. The garage cannot protrude more than 2 feet out from the front façade or front porch.

20. The visible side of a townhome on a corner lot facing the public street shall contain at least 3 decorative elements such as, but not limited to, the following elements: Windows Bay window Recessed window Decorative window Trim around the windows Wrap around porch or side porch Two or more building materials. Decorative brick/stone Decorative trim Decorative shake Decorative air vents on gable Decorative gable Decorative cornice Column Portico Balcony Dormer

21. Building front facades shall have horizontal relief achieved by the use of recesses and projections.

22. A varied color palette shall be utilized on homes throughout the subdivision to include a minimum of three-color families for siding and shall include varied trim, shutter, and accent colors complementing the siding color.

23. The rear and side elevations of the units that front on the public right-of-way shall have trim around the windows.

#### Single-Family Detached

24. Vinyl siding is not permitted; however, vinyl windows, decorative elements, and trim are permitted.

25. The roof shall be pitched at 5:12 or greater for 50% of the building designs.

26. Eaves shall project at least 12 inches from the wall of the structure.

27. Garage doors shall have windows, decorative details, or carriage-style adornments on them.

28. The garage, if used, shall not protrude more than 1 foot out from the front façade and front porch assuming the garage is attached to the Home.

29. The visible side of a home on a corner lot facing the public street shall contain at least 3 decorative elements such as, but not limited to, the following elements: Windows Bay window Recessed window Decorative window Trim around the windows Wrap around porch or side porch Two or more building materials Decorative brick/stone Decorative trim Decorative shake Decorative air vents on gable Decorative gable Decorative cornice Column Portico Balcony Dormer

30. A varied color palette shall be utilized on homes throughout the subdivision to include a minimum of three-color families for siding and shall include varied trim, shutter, and accent colors complementing the siding color.

31. The rear and side elevations of the units that front on public right-of-way shall have trim around the windows.

## **Proposed PUD Allowances**

The proposed zoning for Terravita is GR8-PUD. Terravita meets all standards outlined in the Town of Knightdale's Unified Development Ordinance except for a few conditions. Due to site constraints, the applicant is requesting the following site development allowances: Bulk and Dimensional Standards (UDO Sec. 3.4)

### Lot width (street loaded)

In the GR8 base district, the minimum required lot width for a street-loaded lot is 80'. To create a variety of housing types and a more walkable community, we are proposing single-family detached street-loaded lots with lot widths of 59' and 80'.

### Lot width (alley loaded)

In the GR8 base district, the minimum required lot width for an alley-loaded lot is 30'. To provide a variety of housing types and a more walkable community, we are proposing alley-loaded single-family detached lots with a width of 30', and townhome lots with minimum widths of 20'. The end townhomes will have a minimum of 24' lots, and the interior townhomes will have a minimum of 20' lots. The alley-loaded single-family detached and attached options create a pedestrian-friendly streetscape for the community.

### Driveway length

In the GR8 base district, the minimum required driveway length is 35' for a residential lot. For townhomes and rear-loaded single-family lots, we are proposing a 20' minimum driveway length. For single-family front-loaded lots, we are proposing a 25' minimum driveway length.

### Lot setbacks

In Sec. 6.5 of Knightdales' UDO, the minimum rear setback for a house building type is 25'. For all rear-loaded single-family lots, we are proposing a minimum setback of 20'.

### Standard Street Sections (Town of Knightdale Standard Details)

Local Street Section - Two Way. The standard detail calls for a 54.0' right-of-way and allows for informal parking. Terravita is proposing on-street parking along sections of the road where there are no residential driveways. On-street parking will allow for guest parking. The design does not provide on-street parking on streets with front-loaded units to avoid any potential conflicts.

### Residential Clearing & Grading (UDO Sec. 9.3.B)

Terravita will require a site development allowance of Residential Clearing and Grading as specified in Section 9.3.B of the UDO. Currently, mass grading is prohibited on lots 60' in width or greater. Terravita requests to mass grade all single-family and townhome lots less than 80' wide. Any lot 80' in width or greater shall not be mass-graded.

### Buffalo Road Improvements

Terravita has very limited frontage on Buffalo Rd. From Staff, Buffalo Rd in the future will be 4 travel lanes with a devided median. With less than 60' of frontage and the refusal of neighbors to allow for off-site construction, the current proposal is that widening based on the TIA will be constructed and a fee-in-lieu will be paid for future improvements defined by the limited Buffalo Rd frontage.

### Home affordability and variety

GR8 zoning matrix does not allow for townhomes. To give the best possibility for more affordable variety of homes in the Town, Terravita requests the ability to include townhomes.

## **Neighborhood Meeting Information**

A neighborhood meeting was held via Teams online on July 25th at 6:00 pm.

There were approximately fifteen neighbors in attendance, along with three members of the design team, and one Senior Planner from the Town of Knightdale.

Date of meeting: July 25<sup>th</sup>, 2024

Time of meeting: 6:00 pm EST

Design consultants: Charles R, Walker III from EPG, Tommy Craven, Ben Williams, and Greg Elkins from Priest Craven and Associates

Town of Knightdale: Kevin Lewis, Senior Planner, AICP, CZO

## **Discussion Points**

At the neighborhood meeting for Terravita, the neighbors had questions about streets, traffic, the site buffers, proposed utilities, types of units, construction timing, and architectural standards. Their questions are as follows:

A neighbor asked if there was a clubhouse proposed. Design Team confirmed there would not a a clubhouse but there would be a public greenway and private open space /play areas for the residents.

The neighbors in the Horton Mill subdivision raised a concern that their roads need maintenance/repair. Their roads are owned by a private HOA, and they are unable to get the former developer to make repairs.

Design Team stated that the residents would need to contact the Town of Knightdale to possibly turn their roads into Town public roads. The roads are currently in an NCDOT ROW.

One neighbor asked how many access points were planned because they were concerned about existing traffic in the area. The consultant showed the Group the current layout of the Project including the access points. Stated the TIA was not complete at that time but the Project would make modifications if called for by the TIA.

A neighbor asked if Knightdale will be maintaining the roads in Terravita. Design Team confirmed that Knightdale would maintain the roads once the Project was annexed into the Town.

The neighbor directly adjacent to the proposed street connection at Buffaloe Rd was concerned that the proposed connection limits their access to the Private Access Easement. Design Team noted that they are required to make the connection at that location and a public ROW would take the place of the easement allowing for access.

Several neighbors asked if we would be putting a fence or wall around Terravita.

Design Team stated that there would not be a fence, but there would be a Type B 20' landscaped buffer around the entire property except where it will join with Weldon. A neighbor asked to describe the plants in a Type B buffer.

The Design Team showed them the graphic from the UDO showing what is in a Tye B buffer.

A neighbor asked what the overall time frame for this Project to begin.

Design Team stated that if approved actual construction would not start for another 18 to 24 months.

Matt Warner, For meeting minutes-- another concern is there is a 100 year floodplain in most of the proposed area near the existing pond, including Beaver Damn Creek and lot 47, etc. We agreed to look into this. After review, it has been determined that there are no floodplains on this site according to map 3720175500K.

Michelle RUSSO, when do you expect clearing to start? We responded that clearing may begin in 2 years. Hans Kerekes, I believe its a 50' buffer along the creek/pond The On-site Determination for DWR Project 23-319 stated that the pond is not subject to buffer rules. The buffer for the creek has been shown.

Tricia Montgomery, Good Evening....Just so that I'm clear, where exactly is 8908 Buffaloe Rd on this map? We pointed out the location of this parcel on the overall site plan during the meeting.

Hans Kerekes, I assume you will leave as much existing woods around SCM #4?

Our response to this was that we will leave it or it is always our intention to leave as many trees as possible except that the volume capability of each of the of each of the stormwater devices is the major concern. Thus, if we have to take down the trees to make the pond large enough to handle the stormwater requirements, then we won't be able to save the trees, but there will be a replanting plan in its place in the open space.

Matt Warner, I am located on lot 47, where it appears the road will cut into the previously established Horton Mill neighborhood. Can you elaborate what will happen to Beaver Damn Creek, which runs right behind my house-- which collects from where houses 223-226. Also have flow/drainage issues and call this area "the swamp". We explained that our streets are required to be curb and gutters, and that they will have curb inlets. Thus, they will accept and divert the water away from that area toward the stormwater devices near the near the pond.

hans kerekes, Are there going to be some traffic calming measures on street B to keep speeds low therefore reducing noise We explained that we will be utilizing the town's street sections including a divided median street, and that the town does not allow speed bumps.

Michelle RUSSO, I assume the dotted/solid lines and such around the pond are to mark off where you cannot clear due to it being a part of the Neuse River Buffer? I think that's what the Zones mean but it's hard to read.

We explained that those represent the river buffers. However, now that the buffer determination has determined that the pond is not a buffered entity, those lines have been removed from the latest set of plans.

Michelle RUSSO, I've seen surveyors (I assume) coming through my yard from time to time. I'd appreciate advance notice before they come onto my land (or near it ideally/within eyesite). I have PTSD from a previous home break-in and appreciate your cooperation to avoid stress and anxiety. We agreed to notify her if we were to be doing survey work in the area.

Michelle RUSSO, Will there be berms built up between your community and our neighboring community? Or any other landscaping/bushes? We explained that our intention to not clear if we do not have to. However, if we do have to clear those areas that they will be re-planted with a Type B Landscape buffer where required by the town.

Michelle RUSSO, Right on the property line between my yard and your development are some trees that are damaged and at risk to fall. Will you be removing those dying trees? They are at risk of falling on my house/shed and I've been trying for awhile to find a contact of the property owner to have them taken down. We explained that on-site trees will be evaluated at the time of survey, and that any dead and dying trees located on our site will be removed accordingly.

Michelle RUSSO, My house sits directly behind the small pond at the backside of this development. Currently it has erosion and drainage issues and floods my yard regularly (some of it caused by beavers too). What are your plans to correct the drainage issues to correct the flow problem into the creek as it should flow (and stop the flooding to my yard)? We indicated that as we go deeper into the project, we will be more in tune with exactly how to deal with that level of detail. We also explained that we will have two stormwater retention ponds that will be located below the existing pond that will reduce the flow release rates to predevelopment levels.

Michelle RUSSO, According the plans I've seen, it appears that there will be 2 entrances into this neighborhood that pass through Horton Mill Subdivision. Our neighborhood streets are currently still private (our developer never fulfilled his commitment to update them to hand over to the state). With the size of your community and expected extra traffic, what are your plans to upgrade

We explained that it is our understanding from the process that we went through last time is that the roads in that neighborhood are in fact in a public right of way, but the DOT has not accepted them for maintenance. We also let her know that we are going connect to the one road that is stubbed to us, which is a requirement. The other stub road to the South will be going through Weldon village.

Jannet Barnes asked that we please remove the roundabout. We responded that the town favors a round-a-bout in the location we are proposing.

## **Attendance Records**

### 1. Summary

Meeting title Terravita Neighborhood Meeting Attended participants 19 Start time 7/25/24, 5:30:00 PM End time 7/25/24, 6:57:41 PM Meeting duration 1h 23m 41s Average attendance time 44m 47s

### 2. Participants

Name, Email, Phone, Number, Notes, First Join, Last Leave, In-Meeting Duration

+19192663127 (Unverified) 7/25/24, 5:58:37 PM 7/25/24, 6:57:39 PM 59m 2s +19192951091 (Unverified) 7/25/24, 5:46:59 PM 7/25/24, 5:47:37 PM 37s +19193397222 (Unverified) 7/25/24, 6:00:59 PM 7/25/24, 6:08:48 PM 7m 49s +19196303161 (Unverified) 7/25/24, 6:50:45 PM 7/25/24, 6:57:41 PM 6m 55s +19199713456 (Unverified) 7/25/24, 6:20:53 PM 7/25/24, 6:57:31 PM 36m 38s Ben Williams (host) bwilliams@priestcraven.com 7/25/24, 5:34:01 PM 7/25/24, 6:57:38 PM 1h 23m 36s Gideon Smith (External) Gideon.Smith@knightdalenc.gov 7/25/24, 5:52:08 PM 7/25/24, 6:57:31 PM 1h 1m 22s Hans Kerekes (Unverified) hkerekes@gmail.com Lot 49 7/25/24, 5:38:19 PM 7/25/24, 6:57:26 PM 1h 19m 7s Jannet Barnes (Unverified) 1609 Cotton Dr. Knightdale 7/25/24, 5:59:29 PM 7/25/24, 6:57:26 PM 57m 57s J. Adam Ashbaugh jashbaugh@drbgroup.com 7/25/24, 6:06:07 PM 7/25/24, 6:57:25 PM 51m 18s Kevin Lewis (External) kevin.lewis@knightdalenc.gov 7/25/24, 6:03:23 PM 7/25/24, 6:54:26 PM 51m 3s Matt Warner (External) matt.warner@duncan-parnell.com Lot 47, Proc Ridge Ln. 7/25/24, 6:08:38 PM 7/25/24, 6:57:35 PM 48m 56s Michelle RUSSO (External) mrusso@kds.com, michellerusso1@yahoo.com Lot 48 7/25/24, 5:54:36 PM 7/25/24, 6:57:30 PM 1h 2m 53s P Underwood (Unverified) 7/25/24, 6:01:28 PM 7/25/24, 6:54:42 PM 53m 14s Sergio Maciel (Unverified) 919-917-6375 asked to be called about staking 7/25/24, 6:14:11 PM 7/25/24, 6:57:29 PM 43m 18s Sharon (Unverified) 7/25/24, 6:02:38 PM 7/25/24, 6:57:34 PM 54m 55s Tamia Ray (Unverified) 7/25/24, 6:03:23 PM 7/25/24, 6:33:44 PM 30m 21s Tricia Montgomery (Unverified) triceswork@gmail 7/25/24, 5:57:56 PM 7/25/24, 6:57:33 PM 59m 36s Tracy Warner tracy.warner@syneoshealth.com 7/25/24, 6:06:33 PM 7/25/24, 6:08:41 PM 2m 7s