



LOCATION MAP

GENERAL NOTES EXISTING CONDITIONS & DEMOLITION PLAN — SITE WEST & CENTER EXISTING CONDITIONS & DEMOLITION PLAN — SITE EAST & OFF—SITE SITE PLAN — SITE WEST SITE PLAN — SITE CENTER SITE PLAN — SITE CENTER (PT. II) SITE PLAN — SITE EAST EROSION CONTROL PLAN — SITE WEST PH. 1 EROSION CONTROL PLAN — SITE EAST PH. 1 EROSION CONTROL PLAN — SITE EAST PH. 1 EROSION CONTROL PLAN — SITE EAST PH. 2 EROSION CONTROL PLAN — SITE WEST PH. 2 EROSION CONTROL PLAN — SITE CENTER PH. 2 EROSION CONTROL PLAN — SITE EAST PH. 2 NCG01 STANDARD NOTES GRADING PLAN — SITE WEST GRADING PLAN — SITE WEST GRADING PLAN — SITE CENTER GRADING PLAN — SITE CENTER GRADING PLAN — SITE CENTER STORM SEWER DRAINAGE AREA PLAN STORM SEWER /ROADWAY PLAN AND PROFILE — RIVERMIST DRIVE STORM SEWER/ROADWAY PLAN AND PROFILE — WATERCOURSE WAY SOUTH POINT ROAD INTERSECTION SIGHT DISTANCE	C1.0 C1.1 C1.2 C2.0 C2.1 C2.2 C2.3 C3.0 C3.1 C3.2 C3.3 C3.4 C3.5 C3.6 7 C3.7 C4.0 C4.1 C4.2 C4.3 C4.3 C4.4 C4.5 C6.0-C6.3 C6.4 C6.5
BELWOOD DRIVE ROADWAY IMPROVEMENTS PLAN UTILITY COVER SHEET UTILITY PLANS SITE DETAILS	C6.9 C7.0 C7.1–C7.7 C9.0–C9.7

SHEET INDEX

RIVERMIST SUBDIVISION

SOUTH POINT ROAD BELMONT, NC

APPLICATION FOR-THE-INSTALLATION-OR RELOCATION TO NS PIPE AND WIRE FOR APPROPRIATE HANDLING FOR LICENSE AGREEMENT AND APPLICABLE FEES. FOR UTILITY APPLICATIONS GO TO: WWW.NSCORP.COM/CONTENT/NSCORP/EN/REAL-ESTATE/NORFOLK-SOUTHERN-SERVICES/WIRE-PIPELINE-FIBER-OPTIC-PROJECTS.HTML NOTE: LICENSE AGREEMENT MUST BE EXECUTED PRIOR TO UTILITY BEING INSTALLED OR RELOCATED.

CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NS PROPERTY WITHOUT PERMISSION FROM THE NS RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NS PUBLIC PROJECTS

ALL ROADWAY WORK WITHIN 2' OF THE OUTSIDE EDGE OF RAIL SHALL BE COMPLETED BY NORFOLK SOUTHERN FORCES AT THE SPONSOR'

 $\frac{1}{86} \left| \frac{85}{84} \right| \frac{83}{82} \left| \frac{81}{80} \right| \frac{79}{79} \left| \frac{78}{79} \right| \frac{75}{76} \left| \frac{75}{75} \right| \frac{75}{75} \right| \frac{75}{75}$

PROPOSED WORK WITHIN NORFOLK SOUTHERN RIGHT OF WAY WILL TAKE APPROXIMATELY 60-90 DAYS

GENERAL NOTES:

 $\frac{1}{68} \left| \frac{67}{66} \right| \frac{65}{65} \left| \frac{64}{63} \right| \frac{62}{63} \left| \frac{62}{60} \right| \frac{60}{69} \left| \frac{58}{68} \right| \frac{57}{5} \right|$

27 28 29 30 30 30 32 33 34 35 36 37 38 39 40 1

. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXERCISING REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE ILLUSTRATED DESIGN.

2. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC, AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, CONTRACTOR SHALL REPAIR IMMEDIATELY AS DIRECTED BY THE ENGINEER.

OTHER ACCIDENTS WHICH OCCUR DURING THESE CONSTRUCTION ACTIVITIES.

3. CONTRACTOR SHALL HOLD HARMLESS THE OWNER AND THE ENGINEER FOR DAMAGES, INJURIES OR

4. TREES AND EXISTING LANDSCAPING NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED DURING

5. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF ALL ILLUSTRATED CONSTRUCTION ACTIVITIES AT THE JOB SITE.

6. SAFETY PROVISIONS: THE CONTRACTOR SHALL COMPLY WITH THE "RULES AND REGULATIONS GOVERNING THE CONSTRUCTION INDUSTRY" AS PROMULGATED FOR THE HEALTH. SAFETY AND GENERAL WELFARE OF EMPLOYEES BY THE COMMISSION OF LABOR UNDER GENERAL STATUTES OF NORTH CAROLINA, AND 29CFR PART 1926 AND PART 1910. PARTICULAR REFERENCE IS MADE BUT NOT LIMITED TO THE FOLLOWING RULES AND REGULATIONS: BUILDING CONSTRUCTION WORK, DEMOLITION, EXCAVATION, PERMIT REQUIRED CONFINED SPACES AND TRENCHING. IN ADDITION TO THE FOREGOING SAFETY PROVISIONS, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR AND COMPLY WITH THE DEPARTMENT OF LABOR SAFETY REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (L 91-54). WHERE THE REQUIREMENTS OF THESE ACTS ARE IN EXCESS OF THOSE REQUIREMENTS SPECIFIED, THE REQUIREMENTS OF THESE ACTS SHALL GOVERN. SHOULD THE PLANS OR SPECIFICATIONS REQUIRE MATERIALS OR METHODS IN CONFLICT WITH THE SAFETY AND HEALTH REGULATIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REQUEST OF THE ENGINEER ANY CHANGES THAT MAY BE NECESSARY.

7. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT HIS EXPENSE.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION ADJUSTMENTS OF ALL EXISTING VAULTS (REGARDLESS OF FUNCTION), METER BOXES, FIRE HYDRANTS, CLEAN OUTS, MANHOLES ETC. TO MATCH FINISHED GRADES AND SITE PLAN. ALL SUCH WORK SHALL BE COORDINATED WITH THE ENGINEER.

9. UTILIZE SIGNS. BARRICADES, FLAGMEN, OR GUARDS AS REQUIRED TO ENSURE THE SAFETY OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC DURING ALL CONSTRUCTION ACTIVITIES.

10. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ADJACENT PROPERTY OWNERS AS REQUIRED FOR WORK OUTSIDE OF PROPERTY LINES. UNDER ABSOLUTELY NO CIRCUMSTANCES SHALL ANY UNMANNED EXCAVATION BE LEFT OPEN OR UNPROTECTED DURING NON-WORKING HOURS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL WORK AS ILLUSTRATED ON PLANS. IF EXISTING CONDITIONS DIFFER FROM THOSE ILLUSTRATED ON PLANS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION.

12. VERIFY ALL DIMENSIONS AND GRADES AT THE JOB SITE. IF DIFFERENCES ARE FOUND, NOTIFY ENGINEER SO THAT MODIFICATIONS TO THESE DRAWINGS CAN BE MADE.

13. ALL SUBSURFACE DRAINAGE PIPE SHALL BE CLASS III RCP PIPE OR AS SPECIFIED

14. EXISTING CONTOURS SHOWN ARE AT 2-FOOT INTERVALS.

BELWOOD DRIVE (SR 2532) EX. 60' PUBLIC R/W

THE EASTERN ROAD CONNECTION TO BELWOOD DRIVE MAY BE OPEN FOR UTILITY CONSTRUCTION AND SHALL BE CLOSED FOR

BELWOOD DRIVE CONNECTION NOTES!

15. ALL CONSTRUCTION ACTIVITY AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF BELMONT AND NCDOT.

16. IN AREAS WHERE 2 FEET OF COVER CAN NOT BE MAINTAINED OVER STORM DRAIN PIPES, THE CONTRACTOR IS TO SUBSTITUTE CLASS IV RCP.

17. THE UTILITIES AND THE LOCATIONS THEREOF, SHOWN ON THE DRAWING REPRESENT THE DESIGNERS UNDERSTANDING OF EXISTING UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND EXISTENCE OF ALL UTILITIES (ELECTRICAL, MECHANICAL, WATER, SEWER, TELEPHONE, GAS, ETC.) WITHIN THE CONSTRUCTION AREA WITH THE UTILITY OWNER AND/OR THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING ANY EXCAVATION. THE OMISSION OF OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF, OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO CALL 811 AND OTHER UTILITY PROVIDERS NOT A MEMBER OF THE 1-CALL SERVICE.

18. THERE SHALL BE NO ON-SITE BURIAL PITS. ALL SOLID WASTE GENERATED FROM THE PROJECT INCLUDING CONSTRUCTION AND LAND CLEARING DEBRIS, ETC. WILL BE PROPERLY DISPOSED OF OFFSITE IN AN APPROVED DISPOSAL FACILITY.

19. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FEATURES AND TOPOGRAPHY AS NEEDED DURING CONSTRUCTION STAKING.

20. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFFSITE GRADING, PERMISSION MUST BE OBTAINED FROM AFFECTED PROPERTY OWNERS PRIOR TO GRADING ACTIVITIES. SHOULD FIELD CONDITIONS WARRANT DISTURBING SITE AREAS IN EXCESS OF THE AMOUNT OF DISTURBED ACREAGE APPROVED, THE CONTRACTOR SHALL FIRST OBTAIN APPROVAL FROM THE LINCOLN COUNTY NATURAL RESOURCES INSPECTOR WHICH MAY REQUIRE REVISIONS TO THE EROSION CONTROL PERMIT.

21. COMMON OPEN SPACE IS TO BE MAINTAINED BY THE HOME OWNERS ASSOCIATION

22. C.O.S.— COMMON OPEN SPACE

23. ALL STREETS WITHIN THE DEVELOPMENT SHALL BE TURNED OVER TO BELMONT FOR OWNERSHIP AND MAINTENANCE. 24. STREET TREES ARE TO BE MAINTAINED BY THE HOME OWNERS ASSOCIATION OR THE HOME OWNER.

25. THE RAILROAD CROSSING OF NORFOLK SOUTHERN RAILROAD TRACKS SHALL BE MAINTAINED BY THE CITY OF BELMONT. THIS INCLUDES ALL PAVEMENT AREA WITHIN THE 150 FOOT WIDE RAILROAD R.O.W. _____

26. REFER TO CURRENT STANDARDS FOR CURRENT CITY OF BELMONT LAND DEVELOPMENT STANDARDS MANUAL: http://www.cityofbelmont.org/216/Land-Development-Standards-Manual

FINAL DRAWING FOR REVIEW **PURPOSES ONLY**

18-017 BASE.DWG

OCTOBER 8, 2018

NOVEMBER 27, 2018

OCTOBER 30, 2020

JANUARY 26, 2021

APRIL 27, 2021

JUNE 11, 2021

SPR 2018.18

18-017

REVISIONS CAD FILE: PROJECT NO .: DESIGNED BY: SUBMITTAL DATE: SUBMITTAL DATE: (SUBMITTAL DATE: KSUBMITTAL DATE CITY PROJECT NUMBER: /2_____

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DEVELOPED BY:

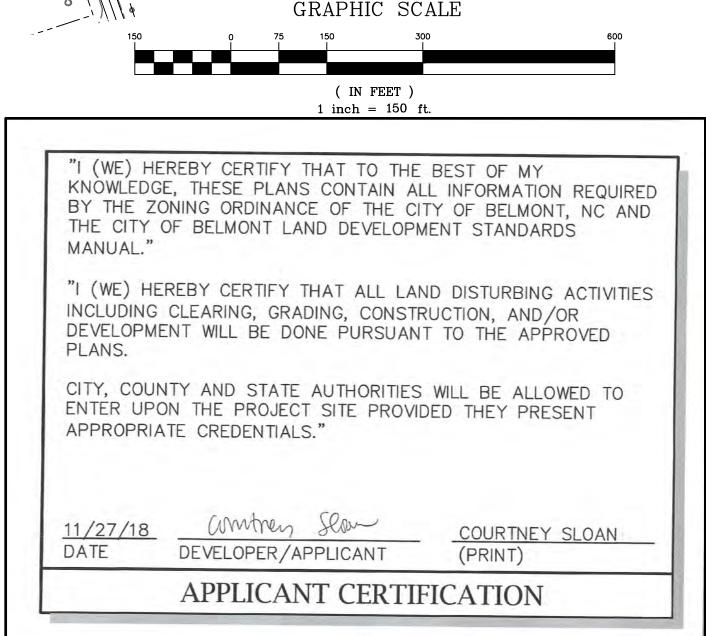
SHINNVILLE RIDGE PARTNERS, LLC

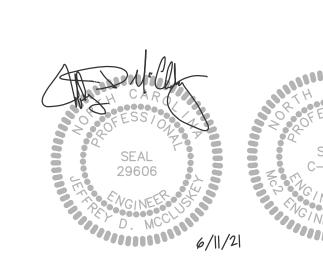
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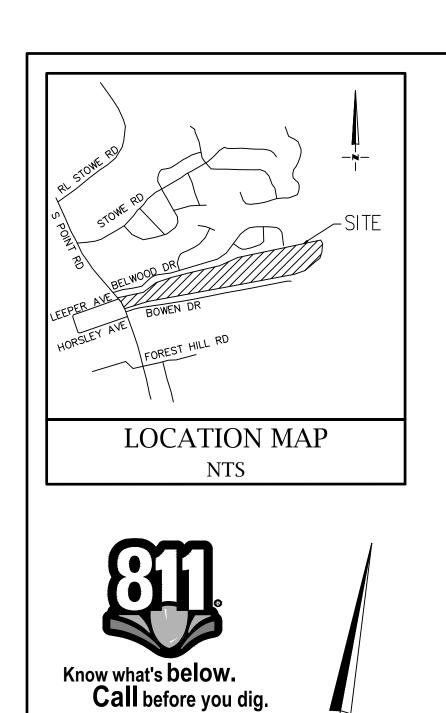


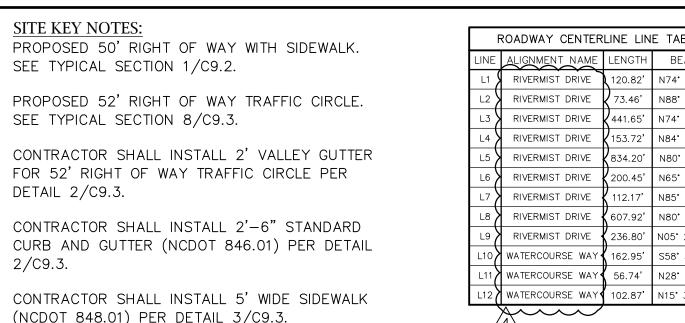
ENGINEERING Mc² Engineering, Inc.

2110 BEN CRAIG DR. SUITE 400 CHARLOTTE, NC 28262 PHONE 704.510.9797









CONTRACTOR SHALL INSTALL STOP SIGN "30X30" MUTCD R1-1 AT INTERSECTION. STOP BARS (24"

WHITE THERMOPLASTIC) SHALL BE PROVIDED AT ALL STOP SIGNS. TEMPORARY PAINTED STOP

BARS MUST BE PROVIDED UNTIL THE FINAL

PROPOSED MAILBOX KIOSK SHALL INCLUDE AF-FLORENCE MANUFACTURING COMPANY VITAL

CITY OF BELMONT 35' X 35' SIGHT TRIANGLE.

PROPOSED PERMANENT UTILITY EASEMENT (P.U.E.). SEE UTILITY PLANS FOR ADDITIONAL

PROPOSED MONUMENT SIGNAGE TO BE DESIGNED

PROPOSED STORM DRAINAGE EASEMENT (S.D.E.).

CONTRACTOR SHALL INSTALL NEW TREE PER TREE PLANTING DETAIL SEE DETAIL 3/C9.6.

VARIABLE WIDTH TEMPORARY CONSTRUCTION

CONTRACTOR TO INSTALL RAILROAD CROSSING

CONTRACTOR TO INSTALL HEAVY DUTY FULL DEPTH RUBBER GRADE CROSSING SYSTEM PER

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL COORDINATE WITH DUKE

POWER FOR STANDARDS AND INSTALLATION OF

"12X18" MUTCD R7-1 (LEFT ARROW).

"12X18" MUTCD R7-1 (RIGHT ARROW).

TREES SHALL NOT BE PLANTED IN ANY

CLUSTER BOX UNITS INSTALLED PER MANUFACTURER SPECIFICATIONS.

NCDOT 10' X 70' SIGHT TRIANGLE.

AND PERMITTED BY OTHERS.

SIGNAGE PER DETAIL 5/C9.6.

DETAILS.

EASEMENT.

EASEMENT

DETAIL 6/C9.6.

ASPHALT LAYER IS INSTALLED.

BLE:		ROADWAY CENTERLINE CURVE TABLE:					
EARING	CURVE	ALIGNMENT NAME	LENGTH	RADIUS	CHORD	CHORD DIRECTIO	
13' 59"E	С3 (RIVERMIST DRIVE	90.43	360.00	90.19	N81° 39' 21"E	
51' 07"E	C4 (RIVERMIST DRIVE	90.27	360.00	90.04	N81° 40' 05"E	
29' 04"E	C5 (RIVERMIST DRIVE	175.56	1000.00	175.33	N79° 30' 50"E	
32' 35"E	C6 (RIVERMIST DRIVE	111.67	1425.00	111.64	N82* 17' 53"E	
03' 11"E	C7 (RIVERMIST DRIVE	387.91	1500.00	386.83	N72° 38′ 40″E	
14' 09"E	C8 (RIVERMIST DRIVE	361.42	1000.00	359.46	N75° 35' 23"E	
56' 38"E	C9 (RIVERMIST DRIVE	95.82	1000.00	95.78	N83° 11' 56"E	
27' 13"E	C10 (RIVERMIST DRIVE	374.78	250.00	340.66	N37° 30' 25"E	
26' 24"W	C11 (WATERCOURSE WAY	567.89	350.00	507.62	N74° 56′ 00″E	
35' 02"E	C12 (WATERCOURSE WAY	230.34	300.00	224.73	N06° 27' 16"E	
27' 03"E		\	,				
32' 30"W		<u> </u>					
<u> </u>							

SYMBOL	QTY	COMMON NAME	SCIENTIFIC NAME	CALIPER	MIN. HEIGHT
	102	RED MAPLE	Acer rubrum	2.5"	8–10'
	49	SOUTHERN RED OAK	Quercus falcata	2.5"	8-10'
	108	VIRGINIA PINE	Pinus virginiana	2.5"	8-10'
\otimes	4	APALACHEE CRAPE MYRTLE	Lagerstroemia india	2.5"	8-10'

	OPEN	SPACE AREAS		TO	TAL PRESERVATION SU	MMARY
LOT#	AREA (SQ FT)	AREA (ACRES)	CLASSIFICATION	FORREST TYPE	APPROX. TREES/ACRE	APPROX No. TREES
LOT A	93,200	2.14	GREENS	MIXED	75	160
LOT B	57,095	1.31	GREENS	MIXED	75	98
LOT C	54,312	1.25	GREENS	PINE	100	125
LOT D	204,432	4.69	GREENS	HARDWOOD	50	235
LOT E	125,104	2.87	GREENS	MIXED	75	215
LOT F	17,759	0.41	GREENS	MIXED	50	20
LOT G	7,745	0.18	PARK	MIXED	75	13
LOT H	55,138	1.27	PARK	MIXED	75	70
TOTAL	614,785	14.11				937

🕰 PLANT MATERIALS LIST

UND	ISTURBED/TREE	SAVE AREA
	PROVIDED SUN	MARY
LOT#	AREA (SQ FT)	AREA (ACRES)
LOT A	77,304	1.77
LOT B	43,372	1.00
LOT C	38,411	0.88
LOT D	(151,121	3.47
LOT E	80,248	1.84
LOT F	14,239	0.33
LOTG	30,627	0.70
LOT H	48,036	1.10
TOTAL	483,358	11.10

	SITE NOTES: 1. DIMENSIONS AND COORDINATE POINTS ARE TO BACK OF CURB OR CORNER OF BUILDING UNLESS OTHERWISE NOTED.		DEVELOPER/OWNER:	SHINNVILLE RIDGE 20607 BETHEL C CORNELIUS, NC 2	HURCH ROA		
(2)	2. ALL IMPROVEMENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA DEPARTMENT OF TRANSPORTATION AND THE CITY OF		PIN: TAX ID NUMBERS: JURISDICTION:	3594513084 AND 207492 AND 201 CITY OF BELMON	7491)	52	
(BELMONT. 3. ANY DISCREPANCIES FOUND IN THE FIELD SHALL BE CALLED TO THE		DEED BOOK & PAGE: TOTAL SITE ACREAGE:	4977&1780 AND 44.12 AC (1,961,)	
	ATTENTION OF THE OWNER OR ENGINEER PRIOR TO PROCEEDING WITH WORK.		CURRENT ZONING: EXISTING USE: PROPOSED USE:	G-R VACANT/WOODED SINGLE-FAMILY)		
	4. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS NOT ALREADY OBTAINED BY		TOTAL LOTS:	86 1.95 DUA			
	THE DESIGN TEAM FROM ALL REGULATORY AUTHORITIES AND SHALL KEEP COPIES OF ALL APPLICABLE PERMITS ON SITE.		FRONT YARD: SIDE YARD: REAR YARD:		30' 20% OF LO ⁻ 30'	T WIDTH	
	5. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES, AND RIGHT—OF—WAYS, PUBLIC AND PRIVATE, PRIOR		MINIMUM LOT WIDTH: PROPOSED SMALLEST LOT:		55' 7,616 SF		
	TO WORKING IN THESE AREAS. 6. GENERAL CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY.	$\sqrt{2}$	PROPOSED LARGEST LOT: TYPICAL LOT DIMENSIONS: *ALL PROPOSED LOTS SHALL LOT AREA, AND SETBACKS O	. MEET OR EXCEEI	26,084 SF 65'x121' D THE MINIM		
	7. DO NOT SCALE DRAWING FOR ACTUAL DIMENSIONS, AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.		CODE (LDC) PROPOSED ROAD PROPOSED RIVERMIST DRIVE -FROM SOUTH POINT TO WA			284 LF 1032 LF	
	8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES(MUTCD).	\triangle	PROPOSED WATERCOURSE WAY	TO BELWOOD DRIV	Æ: 2	252 LF 116 LF	
2	79. PROPOSED STOP BARS SHALL BE 24" WHITE THERMOPLASTIC AND		STREET TREES REQUIRED STREET TREES 10'	-40' OC		j)
{	PROVIDED AT ALL STOP SIGNS. TEMPORARY PAINTED STOP BARS MUST BE PROVIDED UNTIL THE FINAL ASPHALT LAYER IS INSTALLED. ALL SIGNS AND PAVEMENT STRIPING IS TO BE PROVIDED BY THE DEVELOPER AT HIS		PROPOSED RIVERMIST DRIVE PROPOSED WATERCOURSE WA SOUTH POINT ROAD PROVIDE	AY PROVIDED (948		214 < 47 2 })
>	10. CONTRACTOR SHALL SAW—CUT EXISTING ASPHALT PAVEMENT AREAS TO		TOTAL OPEN SPACE REQUIRE DEVELOPMENT CALCULATIONS (86 LOTS)(3.5 BR)(500) =	ARE BASED ON			
	TIE IN SMOOTHLY TO PROPOSED PAVEMENT AT CONNECTION TO NEW ASPHALT PARKING AREA.		OPEN SPACE % OF TOTAL WATER FRONT REQUIRED		7.7%	30,000 =:	
	11. CONTRACTOR SHALL COORDINATE WITH OWNER, SUB CONTRACTORS AND UTILITIES TO INSURE ALL THAT CONDUITS ARE INSTALLED UNDER THE CURB		(50%)*(3.46 AC)= NOTE: REDUCTION ALLOWED OFF-WATER OPEN SPACE	D UP TO 25% PR	1.73 AC (75 OVIDING 1.5		
\wedge	AND GUTTER AND PAVEMENT ARE INSTALLED BEFORE THE FINISHED SURFACE IS LAID.		REDUCED WATER FRONT RE $(25\%)*(3.46) =$		0.87 AC (3	7,897 SF))
$\frac{2}{2}$	12. ALL OPEN SPACE AREAS ARE TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION. THE CITY OF BELMONT WILL NOT BE RESPONSIBLE FOR		ADDITIONAL OFF—WATER OF (1.5)*(1.73 AC) =		2.60 AC (1°	13,256 SF	.)

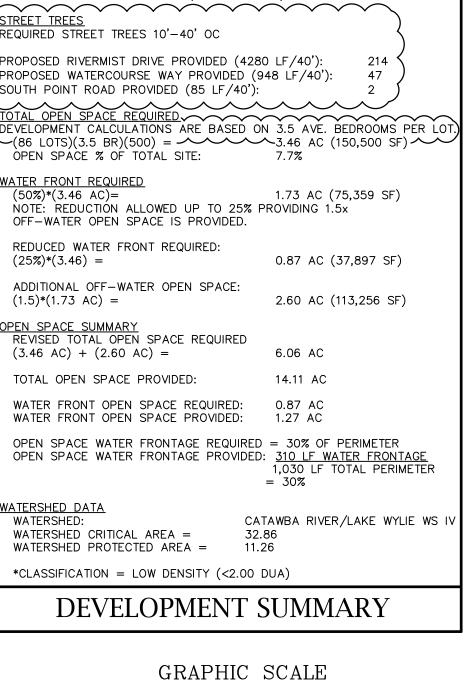
ASSOCIATION. THE CITY OF BELMONT WILL NOT BE RESPONSIBLE FOR <u>OPEN SPACE SUMMARY</u> (MAINTENANCE OF THE OPEN SPACE AREAS OF THIS DEVELOPMENT. REVISED TOTAL OPEN SPACE REQUIRED (3.46 AC) + (2.60 AC) =>13. NO FENCES, TREES, LARGE SHRUBBERY, ACCESS BUILDINGS, POOLS, PATIOS, OVERHANGING STRUCTURES, OR YARD STRUCTURES ARE PERMITTED TOTAL OPEN SPACE PROVIDED: IN EASEMENTS. WATER FRONT OPEN SPACE REQUIRED: WATER FRONT OPEN SPACE PROVIDED: 14. DECORATIVE STREET SIGN POLES, IF PROPOSED BY THE DEVELOPER, WILL NOT BE MAINTAINED BY THE CITY OF BELMONT. THE HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FOR THE REPLACEMENT OR RE-INSTALLATION OF ANY POLES DAMAGED. 15. STOP BARS ARE REQUIRED AT ALL STOP SIGNS. THEY SHALL BE

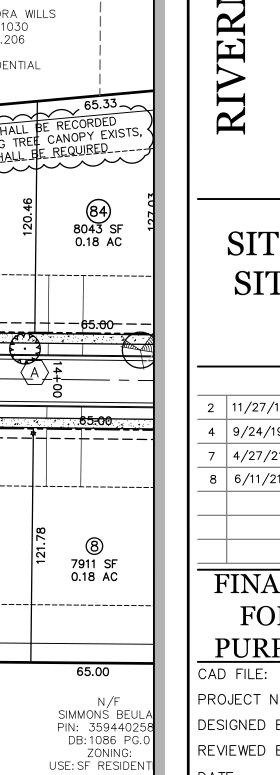
NCDOT STANDARD DETAILS AND SPECIFICATIONS. 16. FIELD DENSITY TESTING OF THE STREET RIGHTS OF WAY IS REQUIRED SPER 7.06A OF THE CITY OF BELMONT LAND DEVELOPMENT STANDARDS MANUAL.

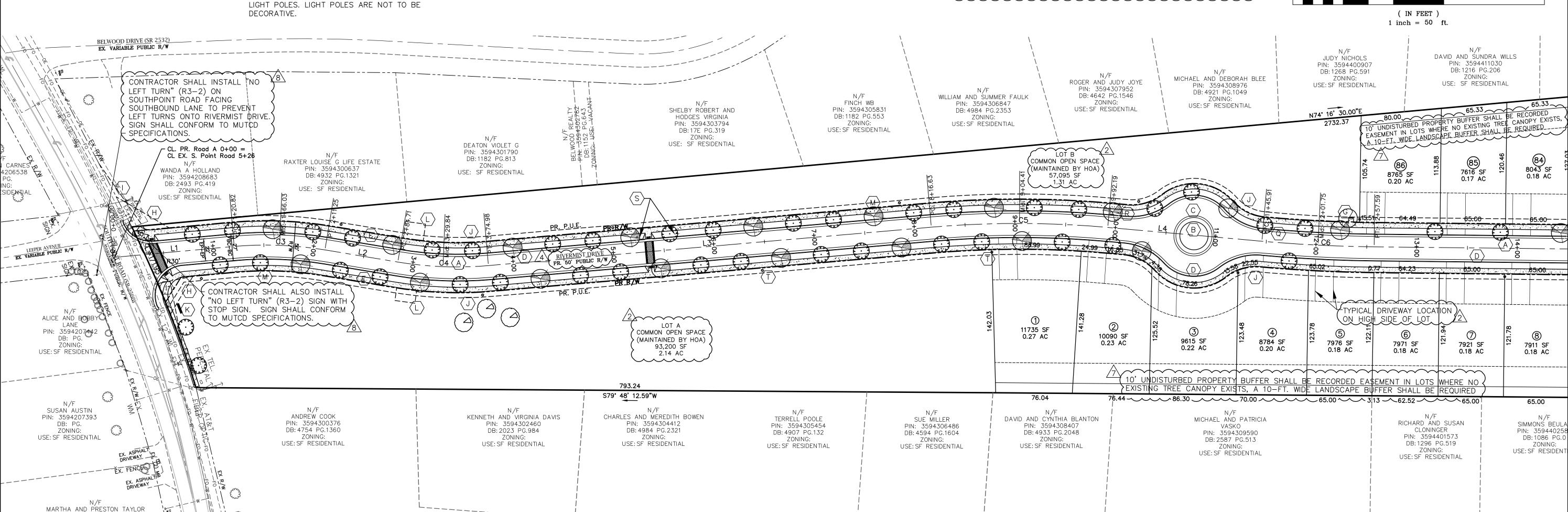
PAINTED FOR TEMPORARY SERVICE UNTIL THE FINAL ASPHALT SURFACE IS

>PLACED. AT THAT TIME, THE STOP BARS SHALL BE THERMOPLASTIC PER

17. FINAL ASPHALT SURFACE COURSE SHALL BE INSTALL ONE YEAR AFTER THE ACCEPTANCE OF THE INTERMEDIATE ASPHALT COURSE OR WHEN 50% OF, HOUSING UNITS HAVE RECEIVED CERTIFICATES OF OCCUPANCY PER 7.05D(2) OF THE CITY OF BELMONT LAND DEVELOPMENT STANDARDS MANUAL.







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PARTNERS
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28031 **P**

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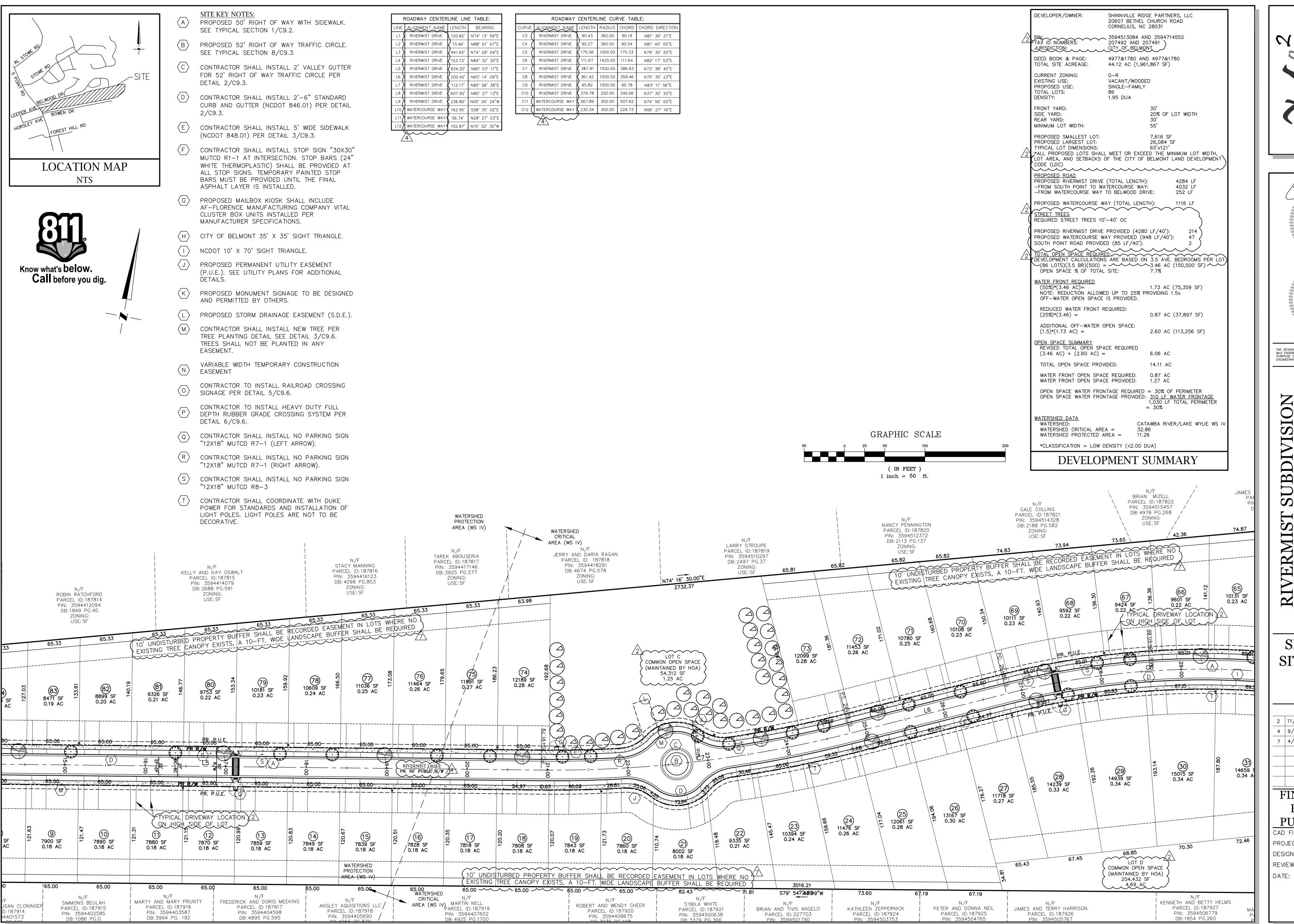
RIDGE SHINNVILLE

SITE PLAN -SITE WEST

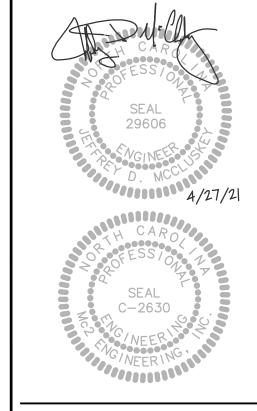
REVISIONS 2 | 11/27/18 | BELMONT COMMENTS 4 9/24/19 BELMONT COMMENTS 7 4/27/21 | BELMONT COMMENTS 8 6/11/21 NCDOT/BELMONT CMTS

FINAL DRAWING FOR REVIEW **PURPOSES ONLY**

18-017 BASE.DWG PROJECT NO .: 18-017 DESIGNED BY: REVIEWED BY: DATE: OCTOBER 8, 2018



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BELMONT, NC

RIDGE PARTNERS, L

SETHEL CHURCH ROAD

RNELIUS, NC 28031

RIVERMIST SU
SOUTH POINT
BELMONT
SHINNVILLE RIDGE
20607 BETHEL CHI

SITE PLAN -SITE CENTER

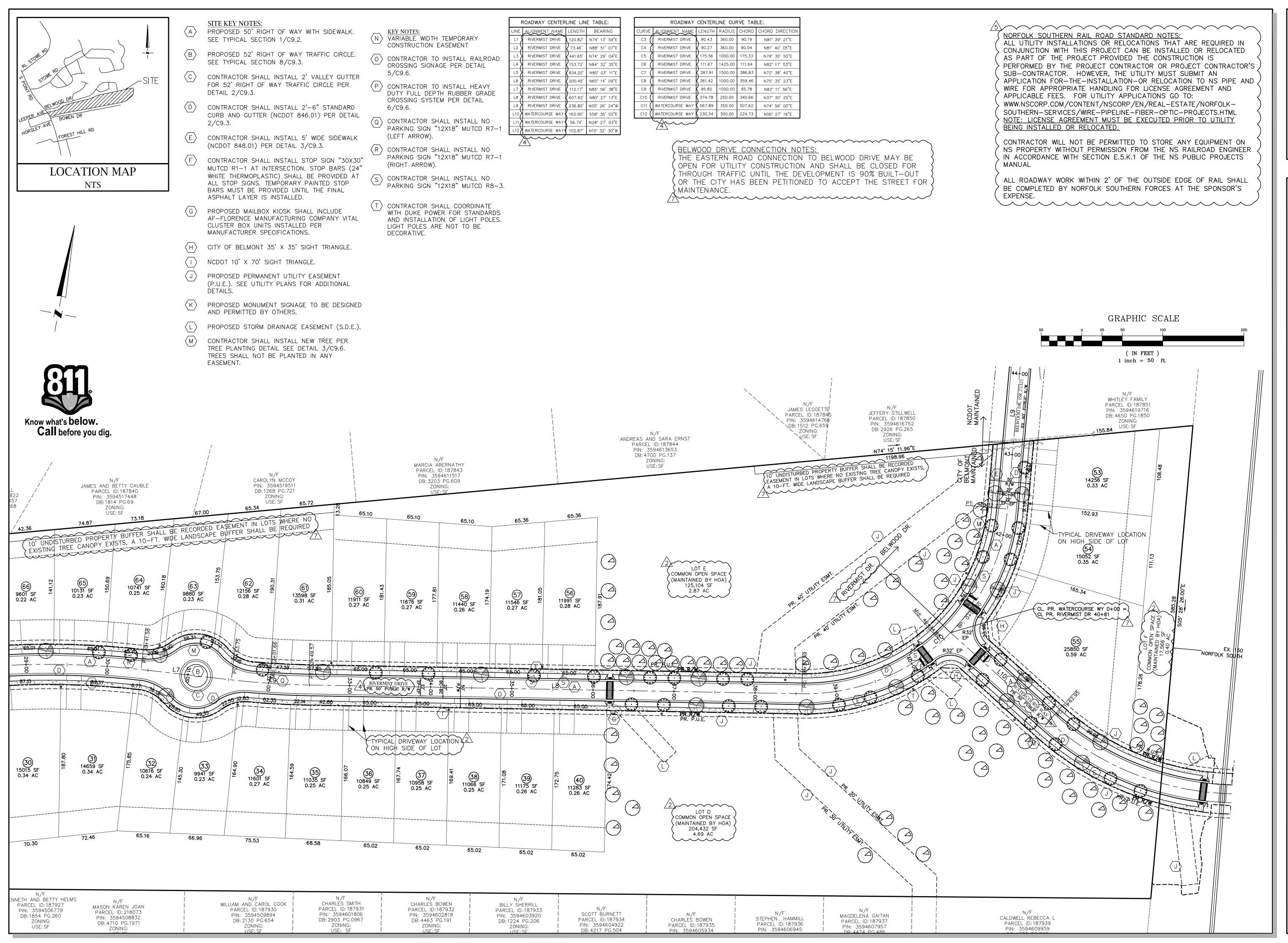
REVISIONS					
2	11/27/18	BELMONT COMMENTS			
4	9/24/19	BELMONT COMMENTS			
7	4/27/21	BELMONT COMMENTS			

FINAL DRAWING
FOR REVIEW

PURPOSES ONLY
CAD FILE: 18-017 BASE.DW
PROJECT NO.: 18-01
DESIGNED BY: TA

REVIEWED BY: JDM

DATE: OCTOBER 8, 2018

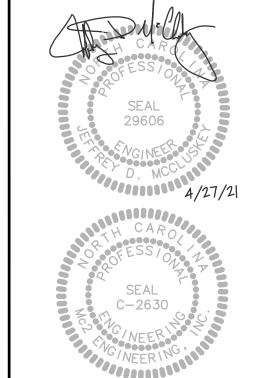


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BELMONT, NC

RIDGE PARTNERS

BETHEL CHURCH ROAD
ORNELIUS, NC 28031

B

SHINNVILLE RIDGE
20607 BETHEL CHI

SITE PLAN -SITE CENTER (PT II)

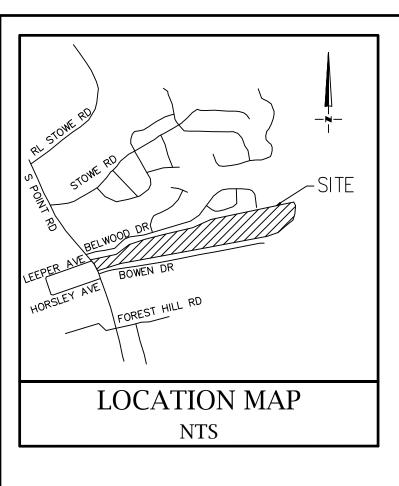
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2	11/27/18	BELMONT COMMENTS				
4	9/24/19	BELMONT COMMENTS				
5	10/30/20	NS COMMENTS				
7	4/27/21	BELMONT COMMENTS				

FINAL DRAWING FOR REVIEW

PROJECT NO.: 18-017 BASE.DV

DESIGNED BY: TAP
REVIEWED BY: JDM
DATE: OCTOBER 8, 2018

C2.2



Know what's below.

Call before you dig.

SEE TYPICAL SECTION 1/C9.2.

SEE TYPICAL SECTION 8/C9.3.

(NCDOT 848.01) PER DETAIL 3/C9.3.

ASPHALT LAYER IS INSTALLED.

CLUSTER BOX UNITS INSTALLED PER

MANUFACTURER SPECIFICATIONS.

NCDOT 10' X 70' SIGHT TRIANGLE.

AND PERMITTED BY OTHERS.

SIGNAGE PER DETAIL 5/C9.6.

RAILWAY CROSSING AT WHICH POINT THE SITE

CONTRACTOR SHALL MATCH UP TO RAIL ROAD

THE EDGE OF THE RAIL ROAD TIE.

"12X18" MUTCD R7-1 (LEFT ARROW).

"12X18" MUTCD R7-1 (RIGHT ARROW).

"12X18" MUTCD R8-3

CROSSING APRON WHICH IS APPROXIMATELY AT

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL INSTALL NO PARKING SIGN

CONTRACTOR SHALL COORDINATE WITH DUKE

LIGHT POLES. LIGHT POLES ARE NOT TO BE

POWER FOR STANDARDS AND INSTALLATION OF

DETAIL 2/C9.3.

2/C9.3.

DETAILS.

EASEMENT.

EASEMENT

F	ROADWAY CENTERLINE LINE TABLE:					
LINE	ALIGNMENT NAME	LENGTH	BEARING			
L1 \	RIVERMIST DRIVE	120.82'	N74° 13′ 59″			
L2	RIVERMIST DRIVE	73.46'	N88° 51' 07"			
L3	RIVERMIST DRIVE	441.65	N74* 29' 04"			
L4 >	RIVERMIST DRIVE	153.72	N84* 32' 35"			
L5 >	RIVERMIST DRIVE	834.20	N80° 03' 11"			
L6 >	RIVERMIST DRIVE	200.45	N65° 14' 09"			
L7 >	RIVERMIST DRIVE .	112.17	N85* 56' 38"			
L8 >	RIVERMIST DRIVE	607.92	N80° 27' 13"			
L9 >	RIVERMIST DRIVE	236.80	N05° 26' 24"			
L10	WATERCOURSE WAY	162.95	S58° 35' 02"			
L11>	WATERCOURSE WAY	56.74'	N28° 27' 03"			
L12	WATERCOURSE WAY	102.87	N15° 32' 30"			
\overline{z}	4					

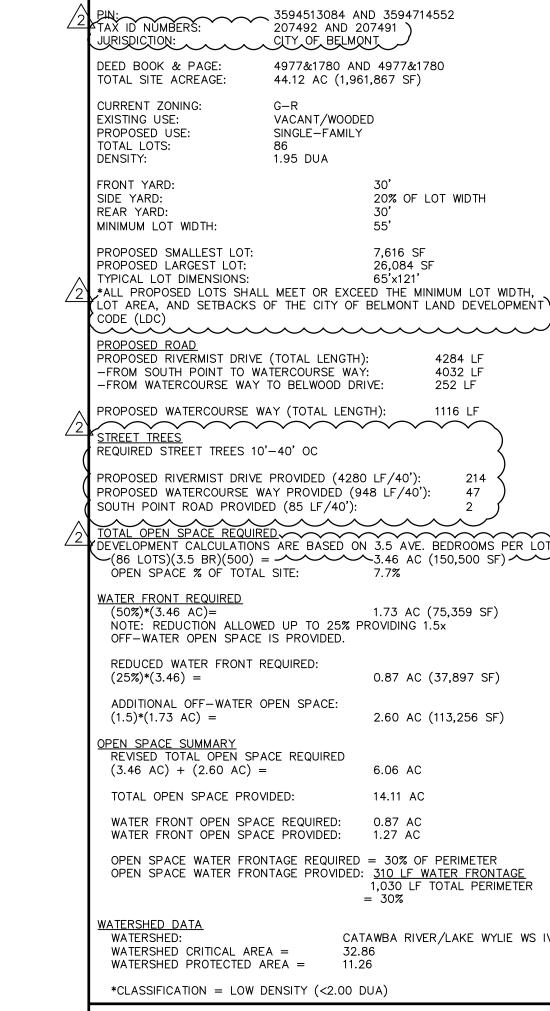
	ROADWAY CENTERLINE CURVE TABLE:						
CURVE	ALIGNMENT NAME	LENGTH	RADIUS	CHORD	CHORD DIRECTIO		
С3 (RIVERMIST DRIVE	90.43	360.00	90.19	N81° 39' 21"E		
C4 (RIVERMIST DRIVE	90.27	360.00	90.04	N81°40'05"E		
C5 (RIVERMIST DRIVE	175.56	1000.00	175.33	N79° 30′ 50″E		
C6 (RIVERMIST DRIVE	111.67	1425.00	111.64	N82° 17' 53"E		
C7 (RIVERMIST DRIVE	387.91	1500.00	386.83	N72° 38′ 40″E		
C8 (RIVERMIST DRIVE	361.42	1000.00	359.46	N75° 35' 23"E		
C9 (RIVERMIST DRIVE	95.82	1000.00	95.78	N83° 11' 56"E		
C10 (RIVERMIST DRIVE	374.78	250.00	340.66	N37° 30' 25"E		
C11 (WATERCOURSE WAY	567.89	350.00	507.62	N74° 56' 00"E		
C12 (WATERCOURSE WAY	230.34	300.00	224.73	N06° 27' 16"E		
	4						

		G	RAPH	IC SC	ALE	
50 L	0	25 	50 	10	00 I	
			(IN	FEET)		
	_		1 inch	= 50 f	it.	_
SOUTHERN RAI	L ROAL	STA	NDARD	NOTES:		
TY INSTALLATIO	NS OR	RELO	CATIONS	S THAT	ARE F	₹EQI
TION WITH THIS	PROJE	CT CA	AN BE II	NSTALL	ED OR	RE
OF THE PROJE	CT PRO	DVIDED) THE C	ONSTRU	JCTION	IS
FD RY THE PRO	DJECT (CONTR	ACTOR	OR PRO	OJECT	CON

QUIRED IN ELOCATED CONJUNC AS PART PERFORMED BY THE PROJECT CONTRACTOR OR PROJECT CONTRACTOR'S SUB-CONTRACTOR. HOWEVER, THE UTILITY MUST SUBMIT AN APPLICATION FOR-THE-INSTALLATION-OR RELOCATION TO NS PIPE AND WIRE FOR APPROPRIATE HANDLING FOR LICENSE AGREEMENT AND APPLICABLE FEES. FOR UTILITY APPLICATIONS GO TO: WWW.NSCORP.COM/CONTENT/NSCORP/EN/REAL-ESTATE/NORFOLK-SOUTHERN-SERVICES/WIRE-PIPELINE-FIBER-OPTIC-PROJECTS.HTML NOTE: LICENSE AGREEMENT MUST BE EXECUTED PRIOR TO UTILITY BEING INSTALLED OR RELOCATED

CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NS PROPERTY WITHOUT PERMISSION FROM THE NS RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NS PUBLIC PROJECTS MANUAL

ALL ROADWAY WORK WITHIN 2' OF THE OUTSIDE EDGE OF RAIL SHALL BE COMPLETED BY NORFOLK SOUTHERN FORCES AT THE SPONSOR'S



SHINNVILLE RIDGE PARTNERS, LLC

20607 BETHEL CHURCH ROAD

CORNELIUS, NC 28031

DEVELOPER/OWNER:

DEVELOPMENT SUMMARY

DUKE ELECTRIC TRANSMISSION RIGHTS OF WAY RESTRICTIONS

THIS LIST OF RIGHTS-OF-WAY RESTRICTIONS HAS BEEN DEVELOPED TO ANSWER THE MOST FREQUENTLY ASKED QUESTIONS ABOUT PROPERTY OWNER USE OF DUKE ENERGY'S ELECTRIC TRANSMISSION RIGHTS OF WAY. THIS LIST DOES NOT COVER ALL RESTRICTIONS OR ALL POSSIBLE SITUATIONS. YOU SHOULD CONTACT THE ASSET PROTECTION RIGHT-OF-WAY SPECIALIST IF YOU HAVE ADDITIONAL CONCERNS ABOUT THE RIGHTS OF WAY. THIS LIST OF RESTRICTIONS IS SUBJECT TO CHANGE AT ANY TIME AND WITHOUT NOTICE. DUKE ENERGY RESERVES ALL RIGHTS CONVEYED TO IT BY THE RIGHT-OF-WAY AGREEMENT APPLICABLE TO THE SUBJECT PROPERTY. ALL ACTIVITY WITHIN THE RIGHTS OF WAY SHALL BE REVIEWED BY AN ASSET PROTECTION RIGHTOF-WAY SPECIALIST. IT IS STRONGLY SUGGESTED THAT YOU CONTACT DUKE ENERGY AND SUBMIT PLANS FOR APPROVAL PRIOR TO CONSTRUCTION OF ANY IMPROVEMENTS WITHIN THE RIGHTS OF WAY.

1. STRUCTURES, BUILDINGS, MANUFACTURED HOMES, MOBILE HOMES AND TRAILERS, SATELLITE SIGNAL RECEIVER SYSTEMS, SWIMMING POOLS (AND ANY ASSOCIATED EQUIPMENT AND DECKING), GRAVES, BILLBOARDS, DUMPSTERS, SIGNS, WELLS, SEPTIC SYSTEMS OR STORAGE TANKS AND SYSTEMS (WHETHER ABOVE OR BELOW GROUND), REFUSE OF ANY TYPE, FLAMMABLE MATERIAL, BUILDING MATERIAL, WRECKED OR DISABLED VEHICLES AND ALL OTHER OBJECTS (WHETHER ABOVE OR BELOW GROUND) WHICH MAY, IN DUKE ENERGY'S OPINION, INTERFERE WITH THE ELECTRIC TRANSMISSION RIGHT OF WAY, IN ANY WAY, ARE NOT ALLOWED WITHIN THE RIGHTS-OF-WAY LIMITS. TRANSFORMERS, TELEPHONE/CABLE PEDESTALS (AND ASSOCIATED EQUIPMENT), AND FIRE HYDRANTS ARE NOT ALLOWED. MANHOLES, WATER VALVES, WATER METERS AND BACKFLOW PREVENTORS ARE NOT PERMITTED.

2. FENCES SHALL NOT BE ATTACHED TO POLES OR TOWERS. FENCES SHALL NOT EXCEED 10 FEET IN HEIGHT AND SHALL BE INSTALLED GREATER THAN 25 FEET FROM POLES, TOWERS AND GUY ANCHORS. FENCES SHALL NOT PARALLEL THE CENTERLINE WITHIN THE RIGHTS OF WAY BUT MAY CROSS FROM ONE SIDE TO THE OTHER AT ANY ANGLE NOT LESS THAN 30 DEGREES WITH THE CENTERLINE. IF A FENCE CROSSES THE RIGHTS OF WAY, A GATE (16 FOOT WIDE GATE AT EACH CROSSING) SHALL BE INSTALLED BY THE PROPERTY OWNER, PER DUKE ENERGY'S SPECIFICATIONS, TO ALLOW FREE ACCESS REQUIRED BY DUKE ENERGY EQUIPMENT.

3. CONTACT DUKE ENERGY AND OBTAIN WRITTEN APPROVAL BEFORE GRADING OR FILLING ON THE RIGHTS OF WAY. GRADING (CUTS OR FILL) SHALL BE NO CLOSER THAN 25 FEET FROM A POLE OR TOWER LEG, AND THE SLOPE SHALL NOT EXCEED 4:1 ON THE RIGHTS OF WAY. GRADING OR FILLING WITHIN THE RIGHTS OF WAY OR NEAR A STRUCTURE, WHICH WILL PREVENT FREE EQUIPMENT/VEHICLE ACCESS, OR CREATES GROUND TO CONDUCTOR CLEARANCE VIOLATIONS, WILL NOT BE PERMITTED. SEDIMENTATION CONTROL, INCLUDING RE-VEGETATION, IS REQUIRED PER STATE

4. STREETS, ROADS, DRIVEWAYS, SEWER LINES, WATER LINES, AND OTHER UTILITY LINES, OR ANY UNDERGROUND FACILITIES SHALL NOT PARALLEL THE CENTERLINE WITHIN THE RIGHTS OF WAY, BUT MAY CROSS, FROM ONE SIDE TO THE OTHER, AT ANY ANGLE NOT LESS THAN 30 DEGREES WITH THE CENTERLINE. NO PORTION OF SUCH FACILITY SHALL BE LOCATED WITHIN 25 FEET OF DUKE ENERGY'S SUPPORTING STRUCTURES. INTERSECTIONS OF ROADS, DRIVEWAYS, OR ALLEYWAYS ARE NOT PERMITTED WITHIN THE RIGHTS OF WAY.

5. ANY DRAINAGE FEATURE THAT ALLOWS WATER TO POND, CAUSES EROSION, DIRECTS STORM WATER TOWARD THE RIGHTS OF WAY, OR LIMITS ACCESS TO OR AROUND A STRUCTURE IS PROHIBITED.

6. CONTACT DUKE ENERGY PRIOR TO THE CONSTRUCTION OF LAKES, PONDS OR RETENTION FACILITIES, ETC. WITHIN THE RIGHTS-OF-WAY LIMITS.

7. DUKE ENERGY DOES NOT OBJECT TO PARKING WITHIN THE RIGHTS OF WAY, PROVIDED THAT:

- A. A BARRIER, SUFFICIENT TO WITHSTAND A 15 MPH VEHICULAR IMPACT, SHALL BE ERECTED BY THE PARTY CONSTRUCTING THE PARKING AREA TO PROTECT THE POLE, TOWER OR GUY ANCHOR. THE BARRIER SHALL BE LOCATED IN SUCH A MANNER AS TO RESTRICT PARKING TO AT LEAST 5 FEET FROM THE STRUCTURE.
- B. ANY ACCESS AREAS, ENTRANCES, OR EXITS SHALL CROSS (FROM ONE SIDE TO THE OTHER) THE RIGHTS OF WAY AT OR NEAR RIGHT ANGLES TO THE CENTERLINE, AND SHALL NOT PASS WITHIN 25 FEET OF ANY STRUCTURE. PARKING LOT ENTRANCES/EXITS CANNOT CREATE AN INTERSECTION WITHIN THE RIGHT OF WAY.
- C. LIGHTING STRUCTURES WITHIN THE RIGHTS-OF-WAY LIMITS MUST BE APPROVED BY DUKE ENERGY BEFORE INSTALLING. TOTAL HEIGHT MAY NOT EXCEED 15 FEET.
- D. SIGNS AND OTHER ATTACHMENTS TO DUKE ENERGY STRUCTURES ARE PROHIBITED.

OPERATION AND MAINTENANCE OF THE LINE.

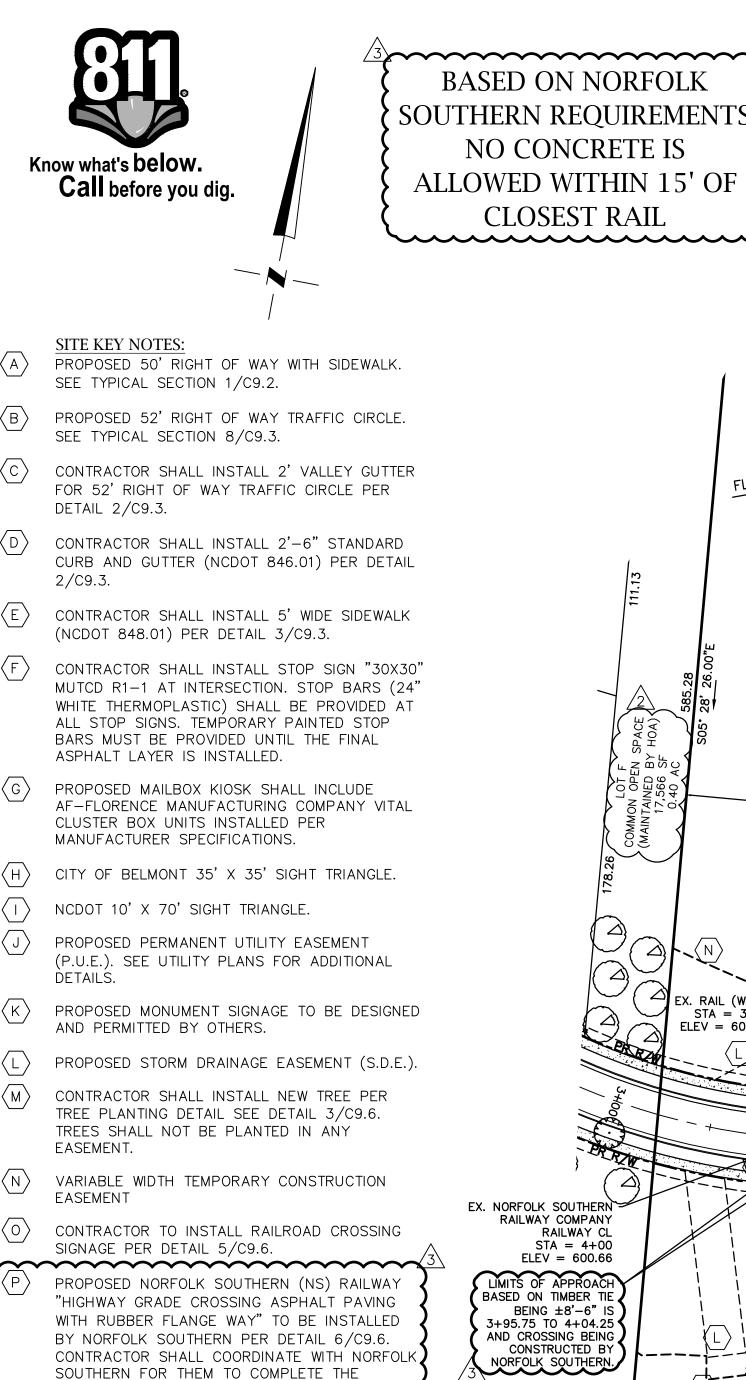
MAINTENANCE OF THE LINE.

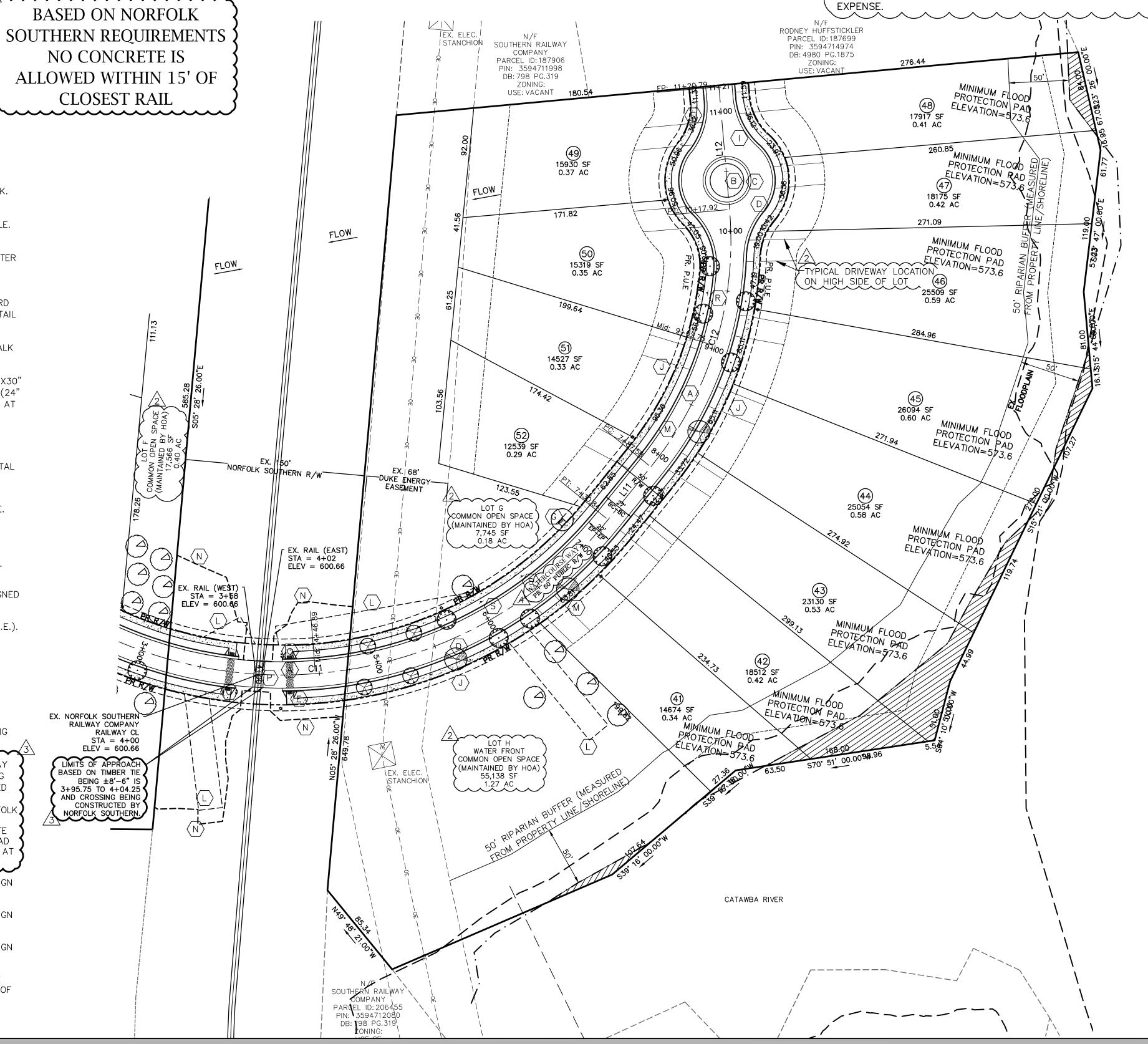
- 8. DUKE ENERGY CAROLINAS WILL NOT OBJECT TO CERTAIN VEGETATION PLANTINGS AS LONG AS: A. IT DOES NOT INTERFERE WITH THE ACCESS OF EXISTING STRUCTURES OR THE SAFE AND RELIABLE
- B. WITH PRIOR WRITTEN APPROVAL, DUKE ENERGY CAROLINAS DOES NOT OBJECT TO PLANTS, SHRUBS AND TREES THAT ARE OF A SPECIES THAT WILL NOT EXCEED, AT MATURITY, FIFTEEN (15) FEET IN HEIGHT.

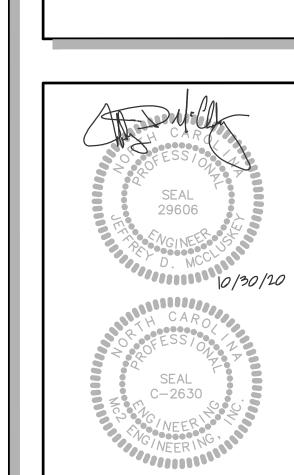
C. DUKE ENERGY CAROLINAS RESERVES THE RIGHT TO OBJECT TO THE PLANTING OF ALL PLANTS,

D. DUKE ENERGY CAROLINAS MAY EXERCISE THE RIGHT TO CUT "DANGER TREES" OUTSIDE THE RIGHTS OF WAY LIMITS AS AUTHORIZED BY THE RIGHT OF WAY AGREEMENT APPLICABLE TO THE SUBJECT PROPERTY AND AS REQUIRED TO PROPERLY MAINTAIN AND OPERATE THE TRANSMISSION LINE.

SHRUBS AND TREES WITHIN THE RIGHT OF WAY EASEMENT THAT MAY INTERFERE WITH THE PROPER OPERATION AND







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ARTNERS, RCH ROAD **P** RIDGE

B

VILLE SHINN

SITE PLAN -SITE EAST

REVISIONS					
2	11/27/18	BELMONT COMMENTS			
3	9/4/19	NS COMMENTS			
4	9/24/19	BELMONT COMMENTS			
5	10/30/20	NS COMMENTS			

FINAL DRAWING FOR REVIEW **PURPOSES ONLY**

CAD FILE: 18-017 BASE.DWG PROJECT NO. 18 - 017DESIGNED BY: REVIEWED BY:

OCTOBER 8, 2018