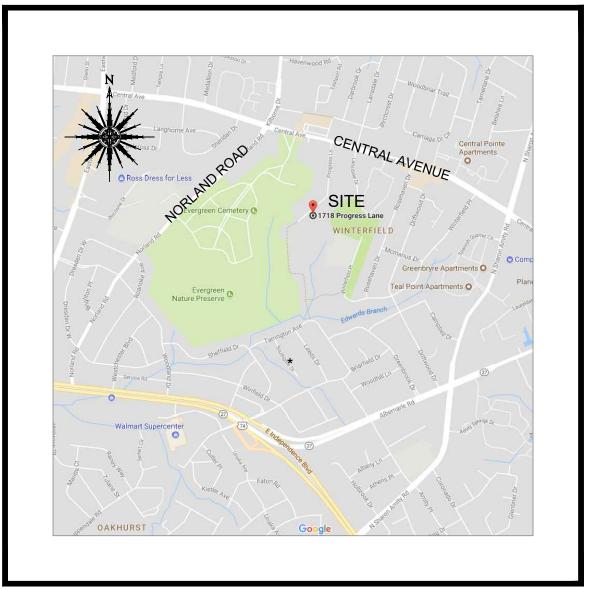


CLT GIS PARCEL MAP NOT TO SCALE



VICINITY MAP NOT TO SCALE

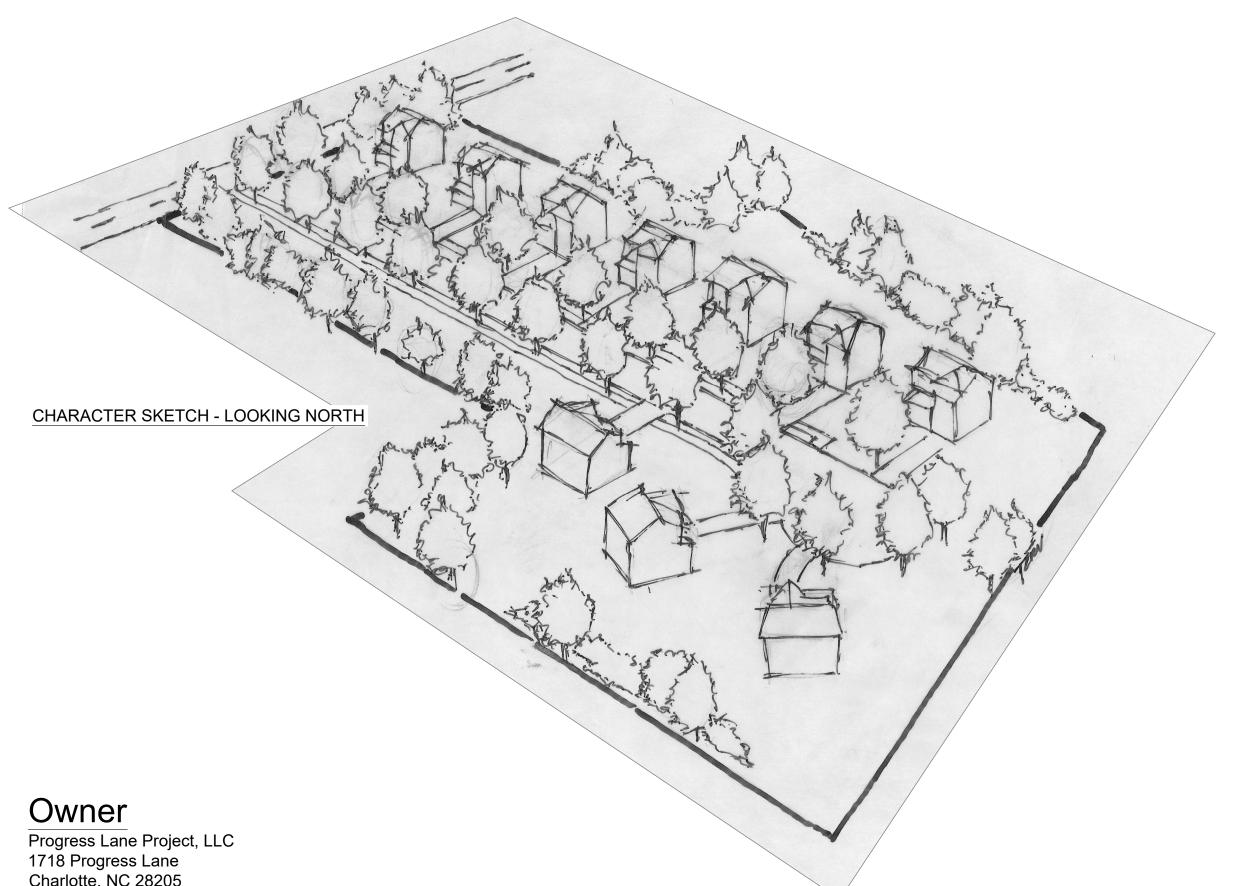


AERIAL VIEW OF SITE NOT TO SCALE

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ROLSTON HERITAGE SUBDIVISION

1718 PROGRESS LANE - PID # 13103121 MECKLENBURG COUNTY CHARLOTTE, NC





FINAL APPROVAL

PROJECT NUMBER: SDRSFR-2018-00017

ENGINEERING

EROSION CONTROL

URBAN FORESTRY

CDOT

CHARLOTTE...

NOTE: SCHEDULE PRE-CONSTRUCTION MEETING AT LEAST 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY USING THE ONLINE FORM FOUND AT http://charlottenc.gov/ld

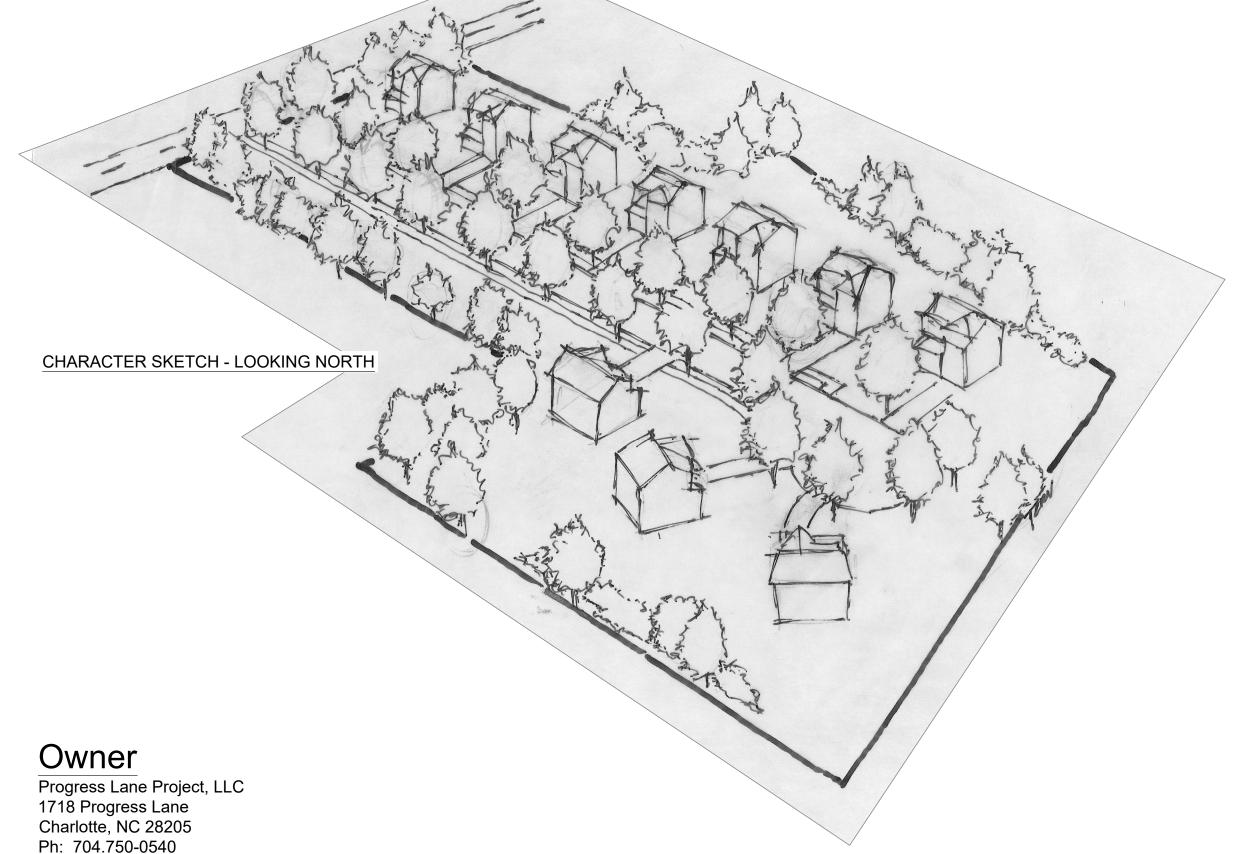
By Jack Fulghum at 10:46 am, May 31, 2018

APPROVED

SHEET # C 3.2 C 4

ROADWAY PROFILES

CONSTRUCTION DETAILS CONSTRUCTION DETAILS



Civil Engineer

CES Group Engineers, LLP

274 N. Hwy. 16, Suite 300

Firm License #: F-1240

Denver, NC 28037

Ph: 704.489.1500

Utilities

Charlotte Water

Phone / Cable / Etc...

Water/Sewer:

Electric:

Natural Gas:

T.B.D.

Duke



CES GROUP ENGINEERS, LLP NC FIRM LICENCE# F-1240

274 N. HWY. 16, SUITE 300 DENVER, NC 28037 T 704. 489.1500

www.ces-group.net

COVER SHEET LEGEND AND NOTES EXISTING CONDITIONS C 3.1 EROSION CONTROLS (PHASE 1) EROSION CONTROLS (PHASE 2) C 5 GRADING PLAN C 5.1 STORM PROFILES UTILITY PLAN C 6.1 SANITARY PROFILE SIGHT VIEW PROFILES CONSTRUCTION DETAILS CONSTRUCTION DETAILS CONSTRUCTION DETAILS CONSTRUCTION DETAILS

DRAWING INDEX

TITLE / DATA

AΒ	ANCHOR BOLT	EXIST	EXISTING	PERP	PERPINDICULAR
ABAN	ABANDON OR ABANDONED	EXP	EXPANSION JOINT	PI	POINT OF INTERSECTION
BUT	ABUTMENT	EXT	EXTERIOR	PIV	POST INDICATOR VALVE
BVT	ABOVE	FR	FRAME	PL	PLATE PROPERTY LINE
СТ	ACOUSTICAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
DD	ADDITIONAL	FDN	FOUNDATION	POL	POINT ON LINE
DJ	ADJACENT	FES	FLARED END SECTION	PP	POWER POLE
FF DOD	ABOVE FINISH FLOOR	FF	FINISH FLOOR	POT	POINT ON TANGENT
GGR	AGGREGATE	FFE FH	FINISHED FLOOR ELEVATION FIRE HYDRANT	PRC	POINT OF REVERSE CURVE POUNDS PER SQUARE INCH
_UM _T	ALUMINUM ALTERNATE	FIG	FIGURE	PSI PT	POINT OF TANGENT
- ' NC	ANCHOR BOLT	FIN	FINISH	PVI	POINT OF VERTICAL INTERSECTION
PPROX	APPROXIMATE	FIXT	FIXTURE	PVC	POLYVINYL CHLORIDE
RCH	ARCHITECTURAL	FL	FLOOR	PVMT	PAVEMENT
NWA	AMERICAN WATER WORKS	FLEX	FLEXIBLE	PVT	PRIVATE
	ASSOCIATION	FLG	FLANGE		
√G	AVERAGE	FT	FOOT	R	RADIUS RISER
		FTG	FOOTING	RAS	RETURN ACTIVATED SLUDGE
T	BITUMINOUS	FUT	FUTURE	RR	RAIL ROAD
J	BELL JOINT	0.41		RCP	REINFORCED CONCRETE PIPE
- -	BASE LINE BEGIN OR BEGINNING	GAL GALV	GALLION GALMINIZED	RD RDCR	ROOF DRAIN, ROAD REDUCER
EG LDG	BUILDING BUILDING	GALV GAR	GALVINIZED GARAGE	RDCR RECPT	RECEPTACLE
₋DG _KG	BLOCKING	GAR GND	GROUND	RECT	RECTANGULAR
ING M	BENCH MARK, BEAM	GR	GRAVEL	REINF	REINFORCE, REINFORCEMENT
TT	BOTTOM	GOVT	GOVERNMENT	REF	REFERENCE
D	BYPASS	GPM	GALLONS PER MINUTE	REL	RELOCATED
₹G	BEARING	GRTG	GRATING	REQD	REQUIRED
ЛT	BASEMENT	GV	GATE VALVE	REV	REVISION
/	BUTTERFLY VALVE	GW	GRAY WATER	RTE	ROUTE
				RTE ,	RIGHT
/o o To	CHANNEL, COLD	HDPE	HIGH DENSITY POLYETHYLENE PIPE	R/W	RIGHT-OF-WAY
	CENTER TO CENTER	HB	HOSE BIB	_	COLUTIAL COMPTON
AB AD	CABACITY	HK	HOOK	S	SOUTH, SWITCH
AP E	CAPACITY CONSTRUCTION EASEMENT	HM HOR HORIZ	HOLLOW METAL HORIZONTAL	SAN SCH	SANITARY SCHEDULE
-	CUBIC FEET	HP	HORSE POWER	SD	STORM DRAIN
G	CHANGE OF GRADE	HPT	HIGH POINT	SDE	STORM DRAIN EASEMENT
& G	CURB AND GUTTER	HYD	HYDRANT	SECT	SECTION
	CAST IRON			SER	SERVICE
RC	CIRCULAR	ID	INSIDE DIAMETER	SF	SILT FENCE
< T	CIRCUIT	IN	INCH	SH	SHEET
_	CENTER LINE	INSUL	INSULATION	SHTG	SHEETING
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TZNC	CONSTRUCTION	IPS	IRON PIN SET	SPEC	SPECIFICATION
OR	CORNER			SQ	SQUARE
MP	CORRUGATED METAL PIPE	JT	JOINT	SS	SANITARY SEWER
MU	CONCRETE MASONRY UNITS	JB	JUNCTION BOX	SSE	SANITARY SEWER EASEMENT
DV C	CONDUIT CLEAN OUT	L	LENGTH, LONG	ST STA	STREET STATION
O OMB	COMBINATION	LAT	LATERAL	STD	STANDARD
ONC	CONCRETE	LCUE	LINCOLN COUNTY UTILITY EASEMENT	STL	STEEL
NNC	CONNECT, CONNECTION	LF	LINEAL FOOT	STRUCT	STRUCTURAL
ONT	CONTINUOUS, CONTROL	LG	LONG	STY	STORY
ONTR	CONTRACTOR	LOD	LIMITS OF DISTURBANCE	SUR	SURVEY
VNC	CONVEYOR	LP	LIGHT POLE	SURF	SURFACE
D	COORDINATE POINT	LR	LONG RADIUS	S/W	SIDEWALK
	CRUSHED STONE	LT	LEFT	SYMM	SYMMETRICAL
TR /	CENTER	LTG	LIGHTING	-	TDEAD TOS
JLV ~	CULVERT	144.011	MACHINERY	T	TREAD, TOP
Ý	CUBIC YARD	MACH MAS	MACHINERY MASONRY	T & B TDC	TOP AND BOTTOM TURNED DOWN CURB
	DEPTH OR DEGREE OF CURVE	MAS	MATERIAL	TELE	TELEPHONE
	DEPARTMENT	MAX	MAXIMUM	TEMP	TEMPORARY
-F I	DRINKING FOUNTAIN	MECH	MECHANICAL	THK	THICK
	DROP INLET, DUCTILE IRON	MFR	MANUFACTURER	TP	TRAVERSE POINT
Α	DIAMETER	MH	MANHOLE, MOUNTING HEIGHT	TRTD	TREATED
М	DIMENSION	MIN	MINIMUM	TS	TOP OF SLAB
Р	DUCTILE IRON PIPE	MISC	MISCELLANEOUS	TV	TELEVISION
SC	DISCONNECT	MJ	MECHANICAL JOINT	TW	TOP OF WALL
MН	DROP MANHOLE	MO	MASONRY OPENING	TYP	TYPICAL
N	DOWN	MON	MONUMENT		
₹	DRIVE	MTD	MOUNTED		UNDERGROUND
S	DOWN SPOUT	MTL	METAL MUD VALVE		UNLESS OTHERWISE NOTED
TL w.p./w	DETAIL DRIVEWAY	MV	MUD VALVE	U.S.C.&G.S	SUNITED STATES COAST AND
W,D/W WL	DRIVEWAY DWELLING	N & C	NAIL AND CAP		GEODETIC SURVEY
NG NG	DRAWING	N & C NIC	NOT IN CONTRACT	V, VAL	VALVE
		NO NO	NUMBER	·	VAPOR BARRIER
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\	EACH EASTROLING LANE	NCDOT	NORTH CAROLINA DEPT.	VERT	VERTICAL CURVE
3L -	EASTBOUND LANE EACH FACE		OF TRANSPORTATION	VOL	VOLUME
- J	EXPANSION JOINT	OC	ON CENTERS	V.S.D.	VERTICAL SIGHT DISTANCE
_,ELEV	ELEVATION JOINT	OD	OUTSIDE DIAMETER		
_,cccv _EC	ELECTRICAL	OPER	OPERATOR	W.B.L.	WEST BOUND LANE
NGR	ENGINEER	OPNG	OPENING	W.B.L.	WIDE FLANGE, WIDE
NTR	ENTRANCE	OPP	OPPOSITE	W/	WITH
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o	EDGE OFPAVEMENT	5.0	DOINT OF OUR!	WE	WATER LINE
Ç	EQUAL	PC PCC	POINT OF COMPOUND	WL W./O	WATER LINE
SMH	EXIST.SANITARY SEWER MH	PCC P.D.E.	POINT OF COMPOUND PERMANENT DRAINAGE EASEMENT	W/O WS	WITHOUT WATER SURFACE
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EXISTING	NEW	DESCRIPTION
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2116 OR XV	1 2116 OR XV	SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
	<u> </u>	CONCRETE SIDEWALK
		PAVEMENT
		UNPAVED OR GRAVEL ROAD
	~~~~	TREE LINE
XX	SF	SILT FENCE
	<b></b>	DITCH
		PROPERTY LINE
—— C ——— B —		CENTERLINE OR BASELINE
$\oplus$		LIMITS OF DISTURBANCE
		BENCHMARK  STORM DRAIN AND ENDWALL
		GRAVITY SANITARY SEWER
SS FM	——————————————————————————————————————	FORCE MAIN — PROFILE
— —FM——		FORCE MAIN - PLAN
G	G	GAS MAIN OR SERVICE LINE
	w	WATER MAIN OR SERVICE LINE
OHE	OHE	OVERHEAD ELECTRICAL LINE
——UE——	———UE———	UNDERGROUND ELECTRICAL LINE
+	<del></del>	PIPE FITTINGS
FH T	TH T	
		FIRE HYDRANT
——⊗—OR—⊳	— <b>⊖</b> —OR— —	GATE VALVE
o ^{CO}	CO	CLEAN OUT
		MANHOLE
<b>—</b> •		BLOW OFF
		DROP INLET (CURB AND GRATING TYP
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T	T	TELEPHONE LINE
— UT— —	UT	UNDERGROUND TELEPHONE LINE
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	T	POWER POLE GUY AND ANCHOR
D		
	) <b>W</b>	LIGHT POLE
	Ш	TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
(TV)	(TV)	CABLE TV
*	<del>*</del>	ELECTRIC LIGHT
$\bigcirc$		PROPERTY MARKER
		MAILBOX
	•	
G	G	NATURAL GAS MARKER
	_//_//	ABANDON OR REMOVE
		PAVED DITCH
		DRIVEWAY CULVERT
OR		CULVERT WITH FLARED END SECTION
		CULVERT WITH OUTLET PROTECTION A LEVEL SPREADER
WV	<u></u>	WATER VALVE
₩ CP #101	<u> </u>	CONTROL POINT/TRAVERSE POINT
* CP #101 	⊕ CP #101 ——— OR +	COORDINATE POINT SIGN
		WETLAND
		RETAINING WALL

GENERAL NOTES

1. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.

- 2. ALL ROAD IMPROVEMENTS AT PROGRESS LANE ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
- 3. DEVELOPER WILL PROVIDE STREET SIGNS PER CLDSM# 50.05 (9" SIGNS ONLY).
- 4. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.

MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY.

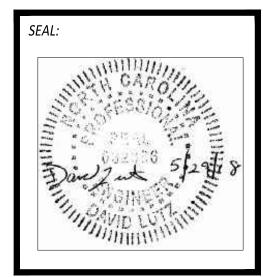
- 5. DIRECT VEHICULAR ACCESS TO PROGRESS LANE FROM LOT 1 IS PROHIBITED.
- 6. IN ROLLING AND HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.
- 7. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- 8. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.

BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.

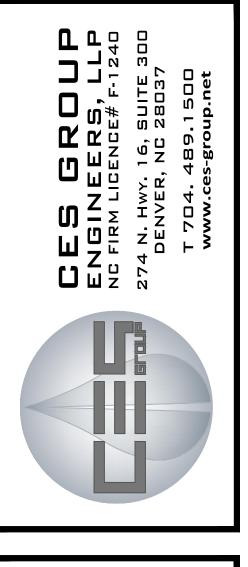
- 9. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
- 10. CURB AND GUTTER SHOWN ON PLANS ALONG ROLSTON PLACE MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
- 11. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.
- 12. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE
- 13. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND
- 14. ANY BUILDING WITHIN THE 100+1 STORMWATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION ORDINANCE, SECTION 7.200.8.
- 15. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.
- 16. ALL OPENINGS (E.G., DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON LOT #'S SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED
- 17. PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
- 18. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO SUBDIVISION FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTYSUBDIVISION ORDINANCE.

GROUND SURFACE (APPLIES TO LOTS WHICH MAY EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100+1 FLOOD ANALYSIS.)

- PRIOR TO INSTALLATION, PE SEALED SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEMS MUST BE FURNISHED TO CITY OF CHARLOTTE ENGINEERING FOR APPROVAL.
- 20. PRIOR TO CO, SURVEYOR SEALED AS-BUILT DRAWINGS OF ALL WATER QUALITY BMP'S AND DETENTION SYSTEMS MUST BE PROVIDED.
- 21. PRIOR TO PLAT RECORDATION, OFFSITE R/W AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE "OFFSITE R/W ACQUISITION PROCESS". THESE NEEDED R/W AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN.
- 22. PER SECTION 18-175(E) OF CITY CODE AND SECTION 10.0 OF THE CITY'S POST CONSTRUCTION CONTROLS ADMINISTRATIVE MANUAL, ALL REQUIRED NATURAL AREAS AND/OR POST CONSTRUCTION CONTROLS EASEMENTS (PCCES) MUST BE RECORDED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- 23. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (GUS JORDI, 704—336—7086) TO IDENTIFY ANY CONFLICTS WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60— 90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELATED RELOCATION COST AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER.
- 24. CERTIFICATION AND STREET CUT PERMITS ARE REQUIRED FOR UTILITY CUTS ON CITY STREETS. ALLOW 7 DAYS PROCESSING FOR PERMIT. FOR INFORMATION CONTACT CHARLOTTE DEPARTMENT OF TRANSPORTATION (704-336-4025) OR VISIT HTTP://WWW.CHARMECK.ORG/DEPARTMENTS/TRANSPORTATION/STREET+MAINTENANCE/HOME.HTM
- 25. NON-STANDARD ITEMS (IE: PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION BEFORE INSTALLATION. FOR CITY OF CHARLOTTE MAINTAINED STREETS, CONTACT CDOT AT (704) 336-3888.
- 26. SIDEWALK WITHIN THE CITY'S R/W THAT REQUIRES REPLACEMENT AS PART OF THE DEVELOPMENT AND/OR STREET IMPROVEMENTS SHOULD BE PHASED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF THE SIDEWALK CLOSURE TO THE EXTENT FEASIBLE. THE DEVELOPER SHOULD MAKE EVERY ATTEMPT TO HAVE SIDEWALK REPAIRED AND REOPENED FOR PUBLIC USE WITHIN 30 DAYS OF REMOVAL.
- 27. RIGHT-OF-WAY CLOSURES LONGER THAN 30 DAYS REQUIRE A R/W LEASE AGREEMENT WHICH WILL INCLUDE THE SUBMITTAL OF A TRAFFIC CONTROL PLAN. TRAFFIC CONTROL PLANS REQUIRED THROUGH A LEASE AGREEMENT MAY BE DIFFERENT FROM THE ONE REQUIRED DURING THE LAND DEVELOPMENT PLAN REVIEW AND ARE SUBJECT TO REVISIONS. THE REVISED TRAFFIC CONTROL PLANS MUST BE SUBMITTED AS PART OF THE LEASE AGREEMENT PROCESS FOR APPROVAL PRIOR TO START OF R/W CLOSURES. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348
- 28. CONSTRUCTION STAGING WITHIN CITY R/W LASTING MORE THAN 30 DAYS REQUIRES A R/W LEASE AGREEMENT. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348.
- 29. ANY WORK WITHIN THE CITY'S R/W THAT REQUIRES CLOSURE OF A SIDEWALK OR TRAVEL LANE MUST BE APPROVED BY CDOT AND WILL REQUIRE A R/W USE PERMIT OR R/W LEASE DEPENDING UPON THE PROPOSED DURATION OF CLOSURE. THESE APPROVALS ARE IN ADDITION TO SITE APPROVALS AND SHOULD BE COORDINATED WITH CDOT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT CDOT AT (704) 432-1562 AT LEAST 5 BUSINESS DAYS PRIOR TO BEGINNING WORK FOR IMPACTS LESS THAN 30 DAYS. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348 AS SOON AS POSSIBLE FOR IMPACTS GREATER THAN 30 DAYS. EVERY EFFORT SHALL BE MADE TO CONSTRUCT IMPROVEMENTS WITH MINIMAL IMPACT TO DRIVERS AND PEDESTRIANS.
- 30. DEVELOPER TO CONTACT CDOT (ANTHONY MENDEZ: 704—336—4971) DURING SITE PLAN PREPARATION TO DISCUSS STREET LIGHTING
  REQUIREMENTS, IF ANY, FOR THIS PROJECT. COORDINATE WITH DUKE ENERGY AND CDOT AS NECESSARY TO DETERMINE LIGHTING LEVELS,
  LIGHTING LAYOUT AND REQUIREMENTS FOR INSTALLATION.



REVIS	REVISIONS					
NO:	ISSUE:	DATE:				
1 2 3 4	ADDRESS CITY COMMENTS ADDRESS CITY COMMENTS TREE SAVE REVISIONS ADDRESS CITY COMMENTS	1/29/18 2/28/18 5/8/18 5/29/18				



ROLSTON HERITAGE
SUBDIVISION
1718 PROGRESS LANE - PID # 13103

DRAWN BY:
SMC
CHECKED BY:
DSL
PROJECT NO:
6923
COMMENTS:

DRAWING TITLE:

LEGEND
AND
NOTES

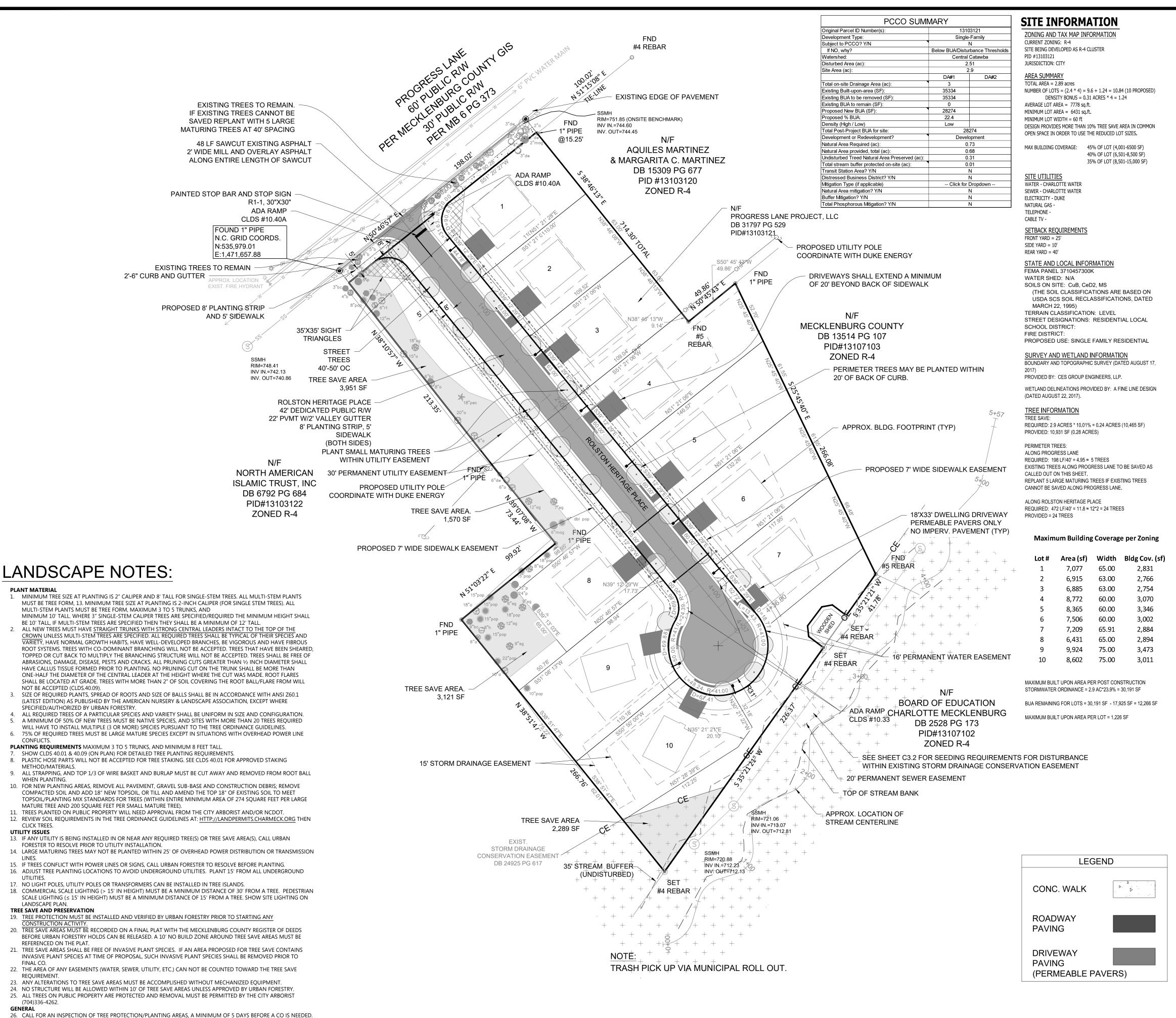
1" = 40'

DRAWING NUMBER:

Know what below.
Callbefore you dig.
NORTH CAROLINA
ONE-CALL CENTER INC.

DIAL 811 or 1-800-632-4949

2 BUSINESS DAYS BEFORE DIGGING www.ncocc.org



27. VISIT CITY OF CHARLOTTE'S LAND DEVELOPMENT WEBSITE FOR ADDITIONAL INFORMATION AND URBAN FORESTRY

lorida Maple

COMMON NAME

PLANTING SCHEDULE

SIZE SPACING

NOTES

2" CAL. MIN. | 40-50 FT OC | STREET TREE, ADJUST SPACING FOR DRIVEWAYS, UTILITIES, ETC.

2" CAL. MIN. | 30-40 FT OC | STREET TREE, USE IN OVERHEAD UTILITY EASEMENT

REQUIREMENTS: HTTP://LANDPERMITS.CHARMECK.ORG THEN CLICK TREES.

ITEM | QTY | SCIENTIFIC NAME

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AB 27 Acer Barbatum

CC 2 Cercis Canadensis

### **PROGRESS LANE** AREA CALCULATIONS **IMPERV. AREA** AC **OVERALL SITE** 126,455 2.90 TOTAL SF ROADWAY (INC C&G) 488 13,939 SIDEWALK (2) SIDES 2@5 385 3,986 TOTAL 17,925 TOTAL SF LOT. TYP. RESIDENCE 40 1,000 DRIVEWAY 2 CAR - 10 * 33 1,277 # OF LOTS 10 TOTAL 11,277 0.26 AC **TOTAL IMPERV. AREA** 29,202 0.67 23.09% % OF SITE **OPEN SPACE** AC **OVERALL SITE** 126,455 2.90 21,942 0.50 LOTS (AVG. 7778 SF) 77,686 1.78 SF AC TOTAL LOT COVERAGE

NOTE: WIDTH AND LENGTHS IN ABOVE TABLE ARE TYPICAL BUT MAY VARY. AREAS ARE CALCULATED FROM PROPOSED LINEWORK. *NOTE: DRIVEWAYS WILL ALL BE CONSTRUCTED WITH PERMEABLE PAVEMENT AND QUALIFY FOR BUILT UPON AREA (BUA) CREDIT OF 75% PERVIOUS AND 25% BUA. IMPERVIOUS AREA IN ABOVE TABLE REFLECTS 25% OF THE ACTUAL AREA OF THE DRIVEWAYS. SEE PERMEABLE PAVEMENT CALCULATIONS AND INFILTRATION TEST RESULTS ON SHEET C5.

% OF SITE

**APPROVED** By Vince Condon at 1:50 pm, May 30, 2018

26,827

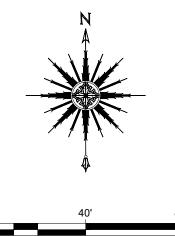
21.21%

0.62

- DIMENSIONS AND COORDINATE POINTS ARE TO THE FACE OF CURB, EDGE OF PAVEMENT, OR CORNER OF BUILDING UNLESS OTHERWISE NOTED.
- 2. ALL IMPROVEMENTS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL STANDARDS.
- 3. ANY DISCREPANCIES FOUND IN THE FIELD SHALL BE CALLED TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO PROCEEDING WITH WORK.
- 4. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM ALL REGULATORY AUTHORITIES.
- THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC AND PRIVATE, PRIOR TO WORKING IN THESE
- GENERAL CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMAN AND THE PUBLIC SHALL BE PROTECTED FROM INJURY.
- 7. DO NOT SCALE DRAWINGS FOR ACTUAL DIMENSIONS, AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- 8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- 9. CONTRACTOR SHALL SAW-CUT EXISTING ASPHALT/CONCRETE AS NECESSARY TO TIE IN SMOOTHLY TO EXISTING.
- 10. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH AN ELECTRONIC FILE OF THESE DRAWINGS UPON REQUEST.
- 11. CONTRACTOR SHALL COORDINATE RELOCATION/REMOVAL OF EXISTING UTILITIES WITH THE UTILITY OWNER AS APPLICABLE.
- 12. STOP BEFORE YOU DIG. CALL NC ONE-CALL CENTER AT 1-800-632-4949, IT'S THE LAW.
- 13. ESTIMATED CONSTRUCTION TIMEFRAME IS 2018.

### **CONTRACTOR NOTES:**

- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ENSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO BEGINNING CONSTRUCTION
- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES / FENCING AS NECESSARY TO ENSURE SAFETY TO THE PUBLIC



SCALE: 1" = 40'

Call before you dig. **NORTH CAROLINA** 

DIAL 811 or 1-800-632-4949

www.ncocc.org

2 BUSINESS DAYS BEFORE DIGGING

DRAWING NUMBER:

DRAWN BY:

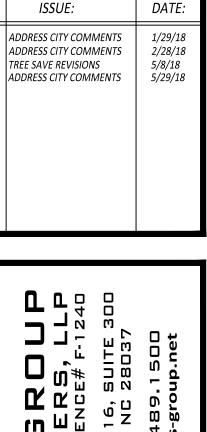
CHECKED BY

PROJECT NO:

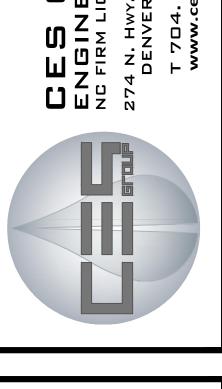
SMC

Know what's **below.** 

**ONE-CALL CENTER INC.** 



REVISIONS



ROL

COMMENTS: DATE APPROVED. 1" = 40' DRAWING TITLE: PLAN