

# SITE CONSTRUCTION PLANS FOR

SDP-24-04



FIRM NC LICENSE NUMBER C-4222



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REV #	DESCRIPTION	DATE	BY

ORIGINAL PLAN SIZE: 24" X 36"

SCALE ADJUSTMENT THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING IF IT IS NOT 1 INCH ON THIS

SHEET, ADJUST YOUR SCALE ACCORDINGLY

SITE CONSTRUCTION PLANS

SALON

105 S MAIN ST ROLESVILLE, NC 27571

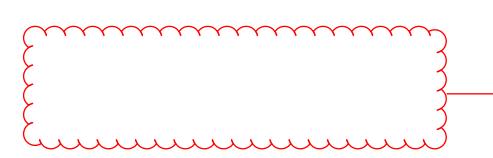
DRAGONFLY INVESTMENTS LLC

DATE:	04-26-2024
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	23043

COVER

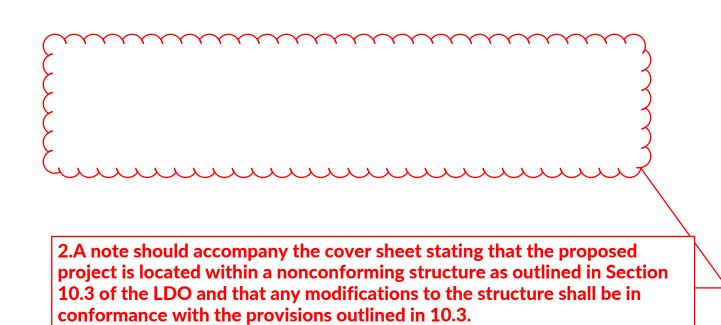
SHEET 1 OF 9

SALON



the cover sheet

105 S MAIN ST ROLESVILLE, NORTH CAROLINA PIN: 1769-01-5157



## OWNER/DEVELOPER:

DRAGONFLY INVESTMENTS NC LLC CONTACT: ALLEN CLARK 15405 NEW LIGHT RD WAKE FOREST, NC 27587 919.868.1576 ALLEN@WHITEWATERHOMES.BIZ

# ENGINEER OF RECORD:

FLM ENGINEERING, INC CONTACT: JON FRAZIER, PE PO BOX 91727 RALEIGH, NC 27675 919.610.1051 JFRAZIER@FLMENGINEERING.COM

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION** 

COVER

SITE PLAN UTILITY PLAN

SITE DETAILS

LANDSCAPING PLAN

WATER & SEWER DETAILS

**EXISTING CONDITIONS & DEMOLITION PLAN** 

**EROSION & SEDIMENT CONTROL DETAILS** 

GRADING AND EROSION & SEDIMENT CONTROL PLAN

C-2

C-3

C-5

C-7

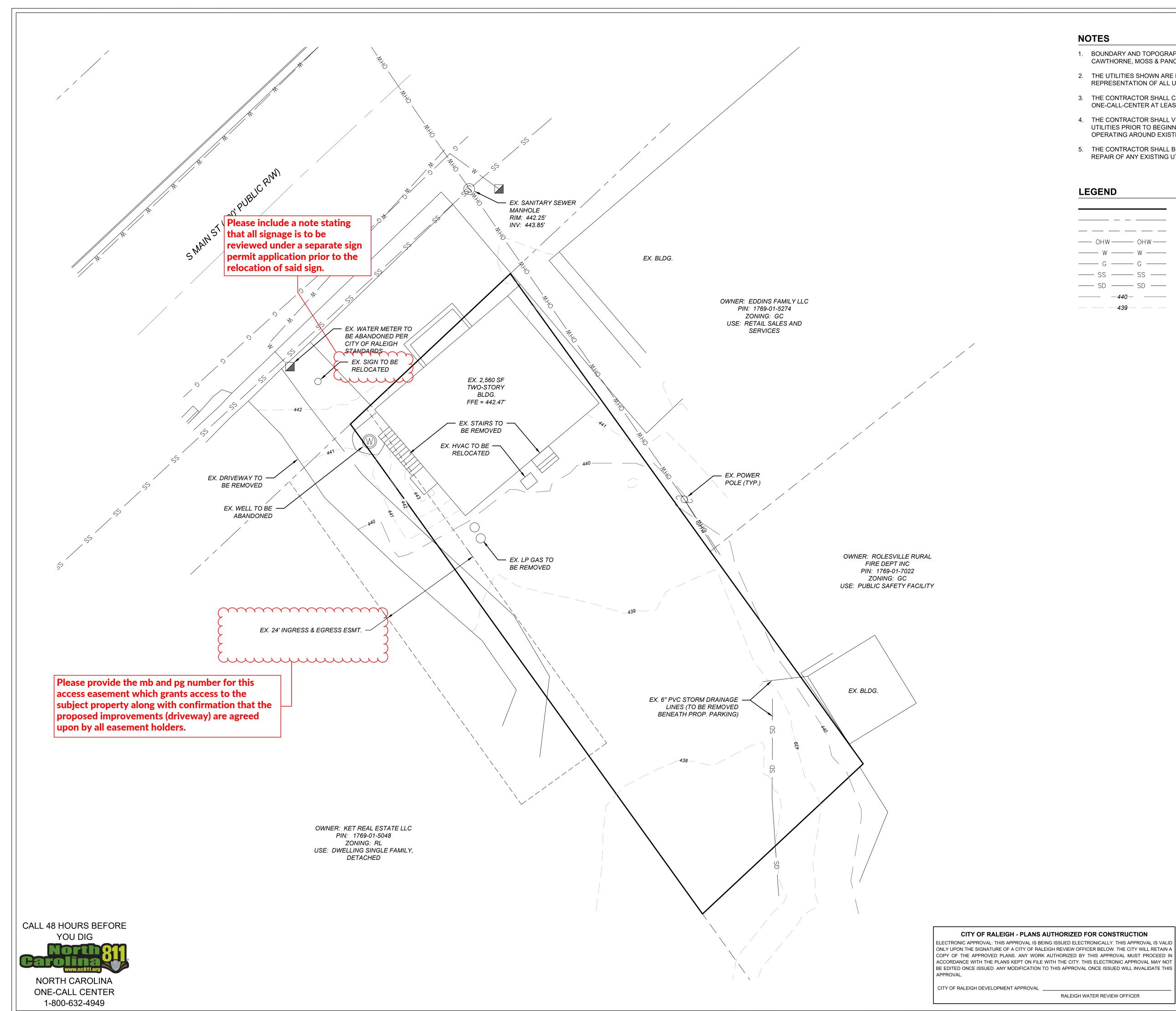
C-8

ELECTRONIC APPROVAL: THIS APPROVAL IS BEING ISSUED ELECTRONICALLY. THIS APPROVAL IS VALID ONLY UPON THE SIGNATURE OF A CITY OF RALEIGH REVIEW OFFICER BELOW. THE CITY WILL RETAIN A COPY OF THE APPROVED PLANS. ANY WORK AUTHORIZED BY THIS APPROVAL MUST PROCEED IN ACCORDANCE WITH THE PLANS KEPT ON FILE WITH THE CITY. THIS ELECTRONIC APPROVAL MAY NOT BE EDITED ONCE ISSUED. ANY MODIFICATION TO THIS APPROVAL ONCE ISSUED WILL INVALIDATE THIS

CITY OF RALEIGH DEVELOPMENT APPROVAL RALEIGH WATER REVIEW OFFICER

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH AND WAKE **COUNTY STANDARDS AND SPECIFICATIONS** 

PROPOSED INFRASTRUCTURE QUANTITIES				
ITEM OWNERSHIP DIAMETER / MATERIAL LENGTH				
WATER	CITY OF RALEIGH	STUB	1	
SEWER	CITY OF RALEIGH	STUB	1	



#### **NOTES**

- 1. BOUNDARY AND TOPOGRAPHIC SURVEY DATA PROVIDED BY CAWTHORNE, MOSS & PANCIERA, PC.
- 2. THE UTILITIES SHOWN ARE NOT GUARANTEED TO BE A REPRESENTATION OF ALL UTILITIES WITHIN THE PROJECT EXTENT.
- 3. THE CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL-CENTER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- 4. THE CONTRACTOR SHALL VERIFY DEPTHS AND LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING WORK AND SHALL USE CARE WHEN OPERATING AROUND EXISTING UTILITIES.
- 5. THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.

#### LEGEND

EX. PROPERTY LINE ———— EX. RIGHT-OF-WAY — — — EX. ADJACENT OWNERS --- OHW --- OHW --- EX. OVERHEAD ELECTRIC LINE — W — W — EX. WATER LINE —— G —— G —— EX. GAS LINE —— SS ——— SS —— **EX. SANITARY SEWER** —— SD ——— SD —— EX. STORM SEWER — — — 439— — EX. MINOR CONTOUR (1')



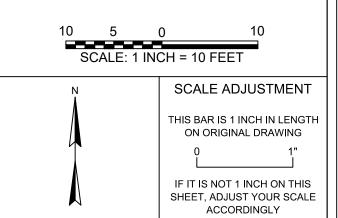
POST OFFICE BOX 91727 RALEIGH, NORTH CAROLINA 27675 PHONE: 919.610.1051 FIRM NC LICENSE NUMBER C-4222



**REVISION HISTORY** 

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SITE CONSTRUCTION PLANS

SALON

105 S MAIN ST ROLESVILLE, NC 27571

DRAGONFLY INVESTMENTS LLC

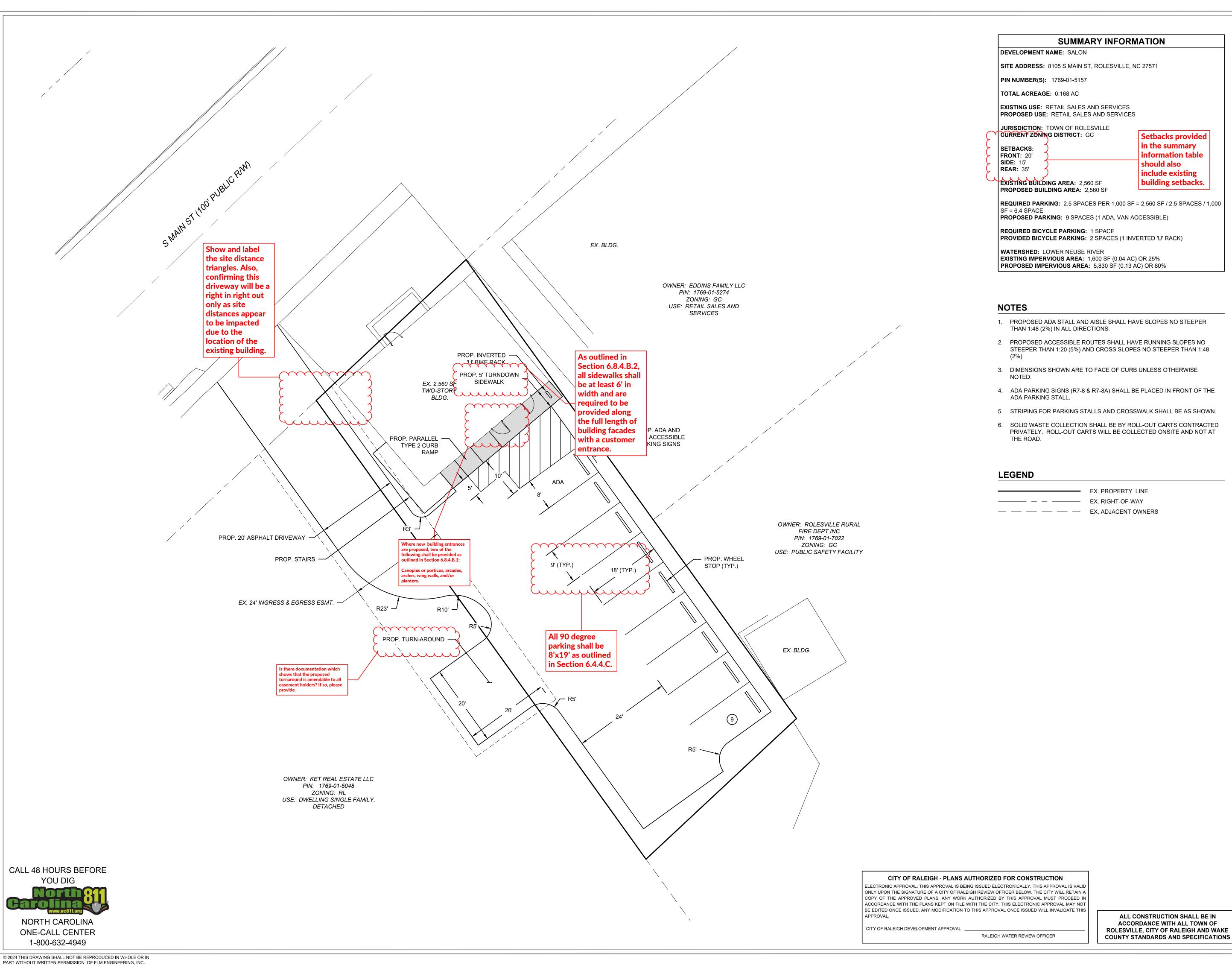
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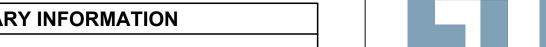
**EXISTING CONDITIONS & DEMOLITION PLAN** 

SHEET 2 OF 9

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH AND WAKE COUNTY STANDARDS AND SPECIFICATIONS

RALEIGH WATER REVIEW OFFICER





**Setbacks provided** in the summary information table should also include existing building setbacks

**REQUIRED PARKING:** 2.5 SPACES PER 1,000 SF = 2,560 SF / 2.5 SPACES / 1,000

PROVIDED BICYCLE PARKING: 2 SPACES (1 INVERTED 'U' RACK)

**EXISTING IMPERVIOUS AREA:** 1,600 SF (0.04 AC) OR 25% PROPOSED IMPERVIOUS AREA: 5,830 SF (0.13 AC) OR 80%

- 1. PROPOSED ADA STALL AND AISLE SHALL HAVE SLOPES NO STEEPER
- 2. PROPOSED ACCESSIBLE ROUTES SHALL HAVE RUNNING SLOPES NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48
- 3. DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS OTHERWISE
- 4. ADA PARKING SIGNS (R7-8 & R7-8A) SHALL BE PLACED IN FRONT OF THE
- 5. STRIPING FOR PARKING STALLS AND CROSSWALK SHALL BE AS SHOWN.
- 6. SOLID WASTE COLLECTION SHALL BE BY ROLL-OUT CARTS CONTRACTED PRIVATELY. ROLL-OUT CARTS WILL BE COLLECTED ONSITE AND NOT AT

LEGEND	
	EX. PROPERTY LINE
	EX. RIGHT-OF-WAY



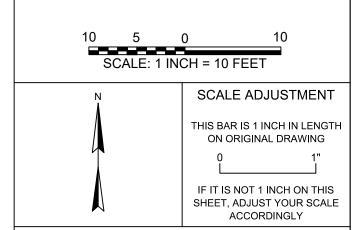
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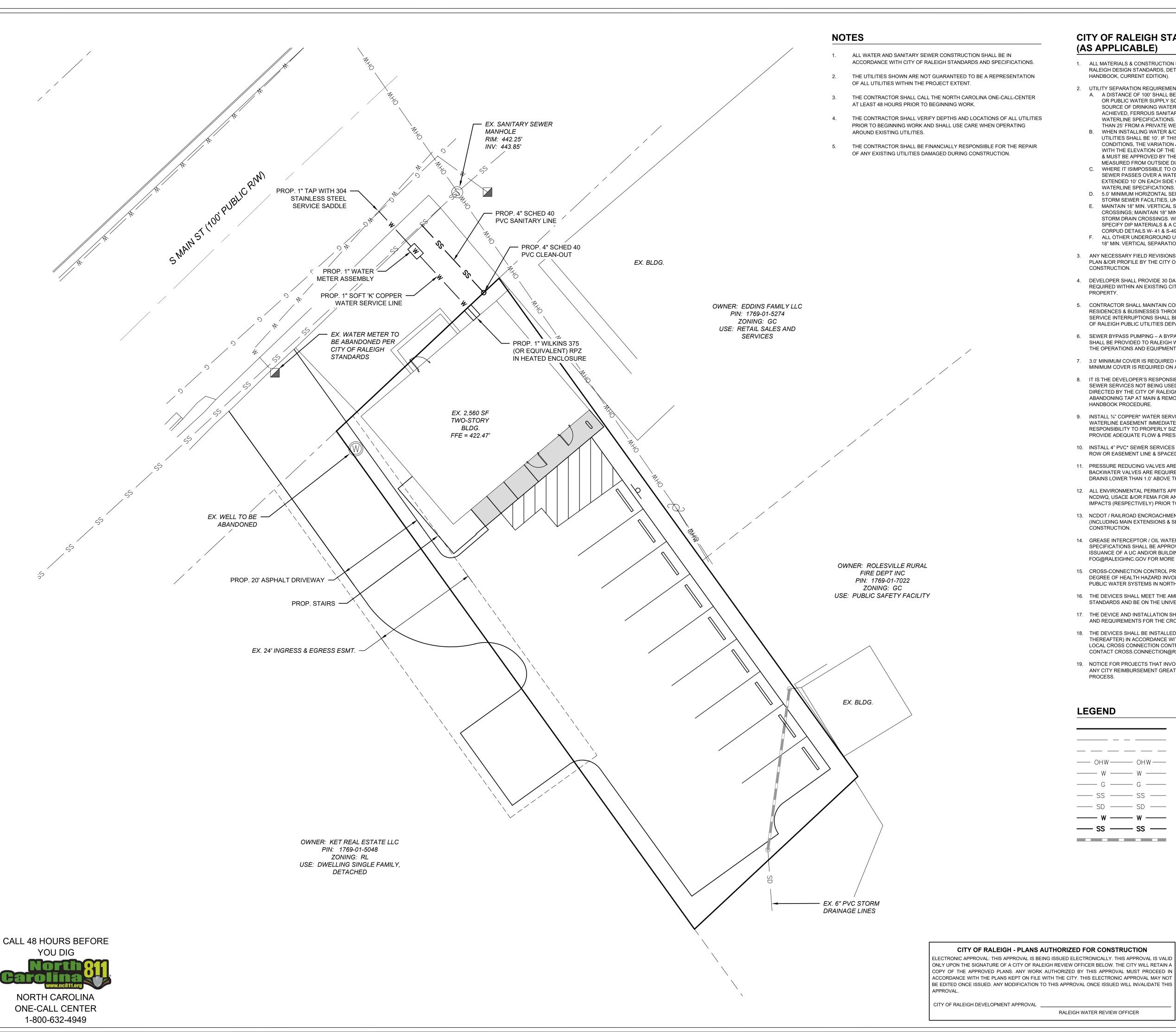
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SITE PLAN

SHEET 3 OF 9



#### CITY OF RALEIGH STANDARD UTILITY NOTES (AS APPLICABLE)

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
- 2. UTILITY SEPARATION REQUIREMENTS:
- 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 OR 50' FROM A PUBLICWELL. 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 TO OUTSIDE DIAMETER.
- WHERE IT ISIMPOSSIBLE TO OBTAIN PROPERSEPARATION, 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 WATERLINE SPECIFICATIONS.
- D. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER
- 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 DETAILS W- 41 & S-49).
- F. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- 3. 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
- 4. DEVELOPER SHALL PROVIDE 30 DAYS ADVANCE WRITTEN NOTICE TO OWNER FOR ANY WORK REQUIRED WITHIN AN EXISTING CITY OF RALEIGH UTILITY EASEMENT TRAVERSING PRIVATE
- 5. 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.
- 6. SEWER BYPASS PUMPING A BYPASS PLAN SEALED BY AN NC PROFESSIONAL ENGINEER SHALL BE PROVIDED TO RALEIGH WATER PRIOR TO PUMPING OPERATIONS FOR APPROVAL THE OPERATIONS AND EQUIPMENT SHALL COMPLY WITH THE PUBLIC UTILITIES HANDBOOK.
- 7. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 8. 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.
- 9. INSTALL ¾" 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.
- 10. INSTALL 4" PVC\* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 11. 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 UPSTREAMMANHOLE.
- 12. 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.
- 13. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO
- 14. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A UC AND/OR BUILDING PERMIT. CONTACT (919) 996-4516 OR FOG@RALEIGHNC.GOV FOR MORE INFORMATION.
- 15. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON THE DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA.
- 16. THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SANITARY ENGINEERING (SAAE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST.
- 17. THE DEVICE AND INSTALLATION SHALL MEE THE GUIDELINES OF APPENDIX A GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
- 18. 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. CONTACT CROSS.CONNECTION@RALEIGHNC.GOV FOR MORE INFORMATION.
- 19. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT. ANY CITY REIMBURSEMENT GREATER THAN \$250,000.00 MUST UNDERGO THE PUBLIC BIDDING

### **LEGEND**

RALEIGH WATER REVIEW OFFICER

	EX. PROPERTY LINE
	EX. RIGHT-OF-WAY
	EX. ADJACENT OWNERS
—— ОНW ——— ОНW ——	EX. OVERHEAD ELECTRIC LINE
w w	EX. WATER LINE
——— G ———— G ———	EX. GAS LINE
—— SS ——— SS ——	EX. SANITARY SEWER
—— SD ——— SD ——	EX. STORM SEWER
w w	PROP. WATER LINE
—— ss ——— ss ——	PROP. SANITARY SEWER
	PROP. STORM SEWER

# **ENGINEERING**

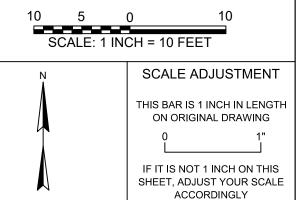
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**REVISION HISTORY** 

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SITE CONSTRUCTION PLANS

SALON

105 S MAIN ST ROLESVILLE, NC 27571

DRAGONFLY INVESTMENTS LLC

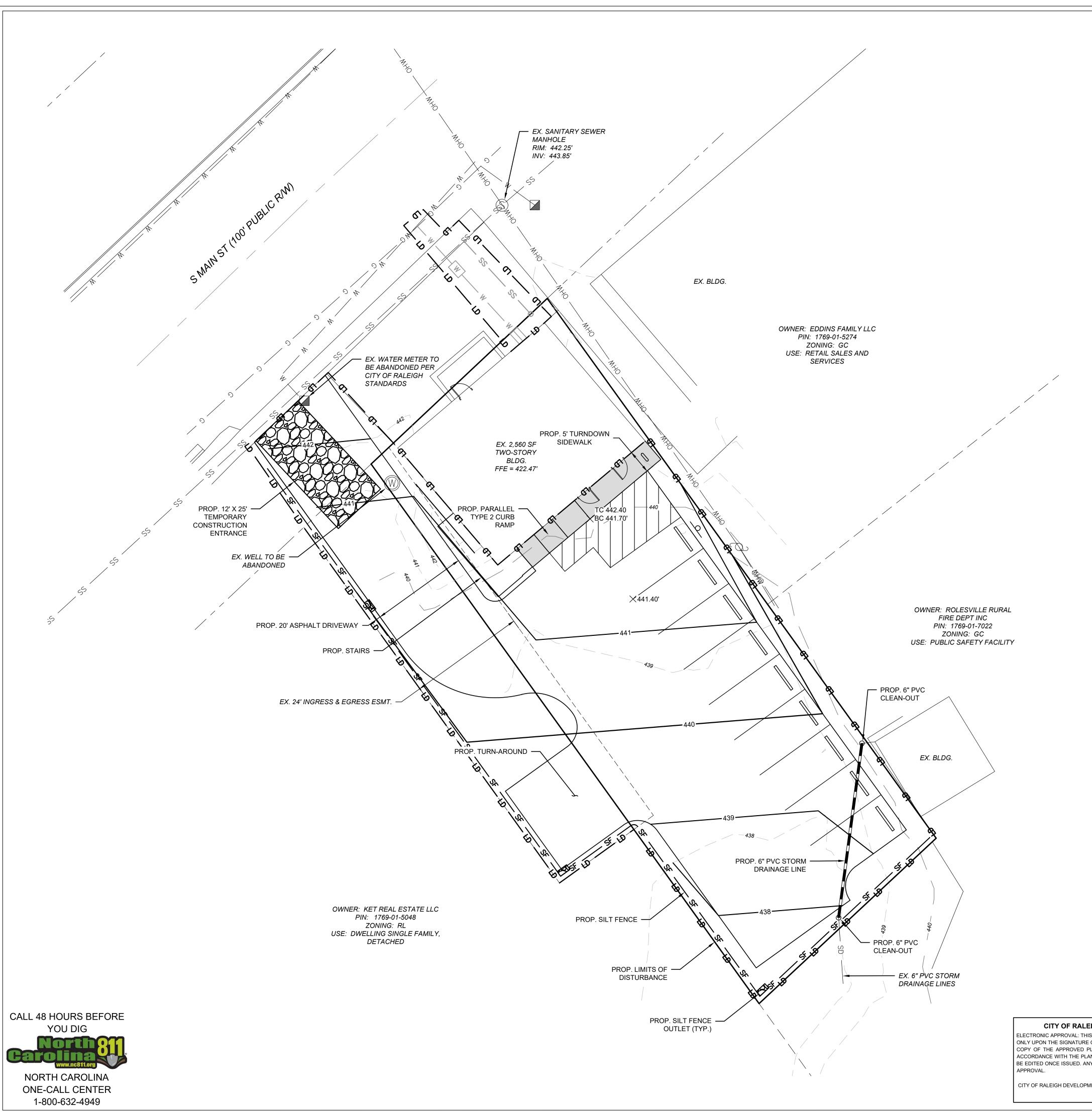
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	-

UTILITY PLAN

SHEET 4 OF 9

**ACCORDANCE WITH ALL TOWN OF** ROLESVILLE, CITY OF RALEIGH AND WAKE **COUNTY STANDARDS AND SPECIFICATIONS** 

ALL CONSTRUCTION SHALL BE IN



#### **CONSTRUCTION SEQUENCE**

- 1. INSTALL GRAVEL CONSTRUCTION PAD, SILT FENCE, OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN.
- 2. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED.
- 3. BEGIN ROUGH GRADING.
- 4. INSTALL STORM, WATER, AND SEWER UTILITIES.
- 5. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
- 6. REMOVE TEMPORARY SILT FENCE, ETC., AND SEED OR STABILIZE ANY RESULTING BARE AREAS.

#### **EROSION CONTROL NOTES**

- 1. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH WAKE COUNTY AND NCDEQ STANDARDS.
- 2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING CONDITION DURING THE PERIOD OF CONSTRUCTION.
- 3. ADDITIONAL EROSION CONTROL MEASURES AND/OR MODIFICATIONS TO PROPOSED MEASURES MAY BE NECESSARY DEPENDING ON ACTUAL SITE CONDITIONS.

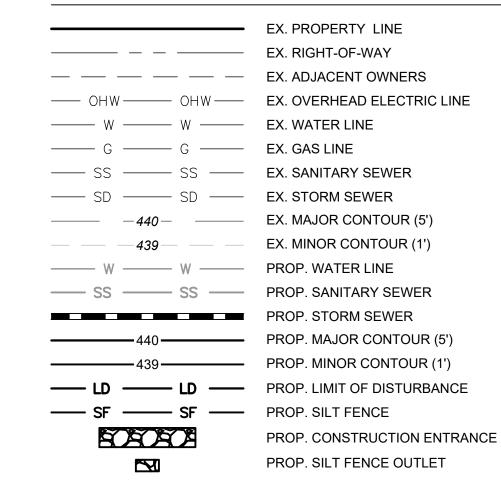
#### 4. THE TOTAL DISTURBED AREA IS 0.19 ACRE.

5. SILT FENCE OUTLETS TO BE PLACED AS SHOWN AND AT LOW POINTS ALONG SILT FENCE AS NECESSARY.

#### **GRADING & DRAINAGE NOTES**

- PROPOSED CONTOURS REPRESENT FINISH GRADES.
- 2. PROPOSED ADA STALL AND AISLE SHALL HAVE SLOPES NO STEEPER THAN 1:48 (2%) IN ALL DIRECTIONS.
- 3. PROPOSED ACCESSIBLE ROUTES SHALL HAVE RUNNING SLOPES NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48 (2%).

#### **LEGEND**





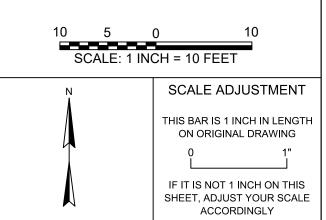
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DRAGONFLY INVESTMENTS LLC

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**GRADING AND EROSION &** SEDIMENT CONTROL PLAN

SHEET 5 OF 9

ALL CONSTRUCTION SHALL BE IN

ACCORDANCE WITH ALL TOWN OF

ROLESVILLE, CITY OF RALEIGH AND WAKE

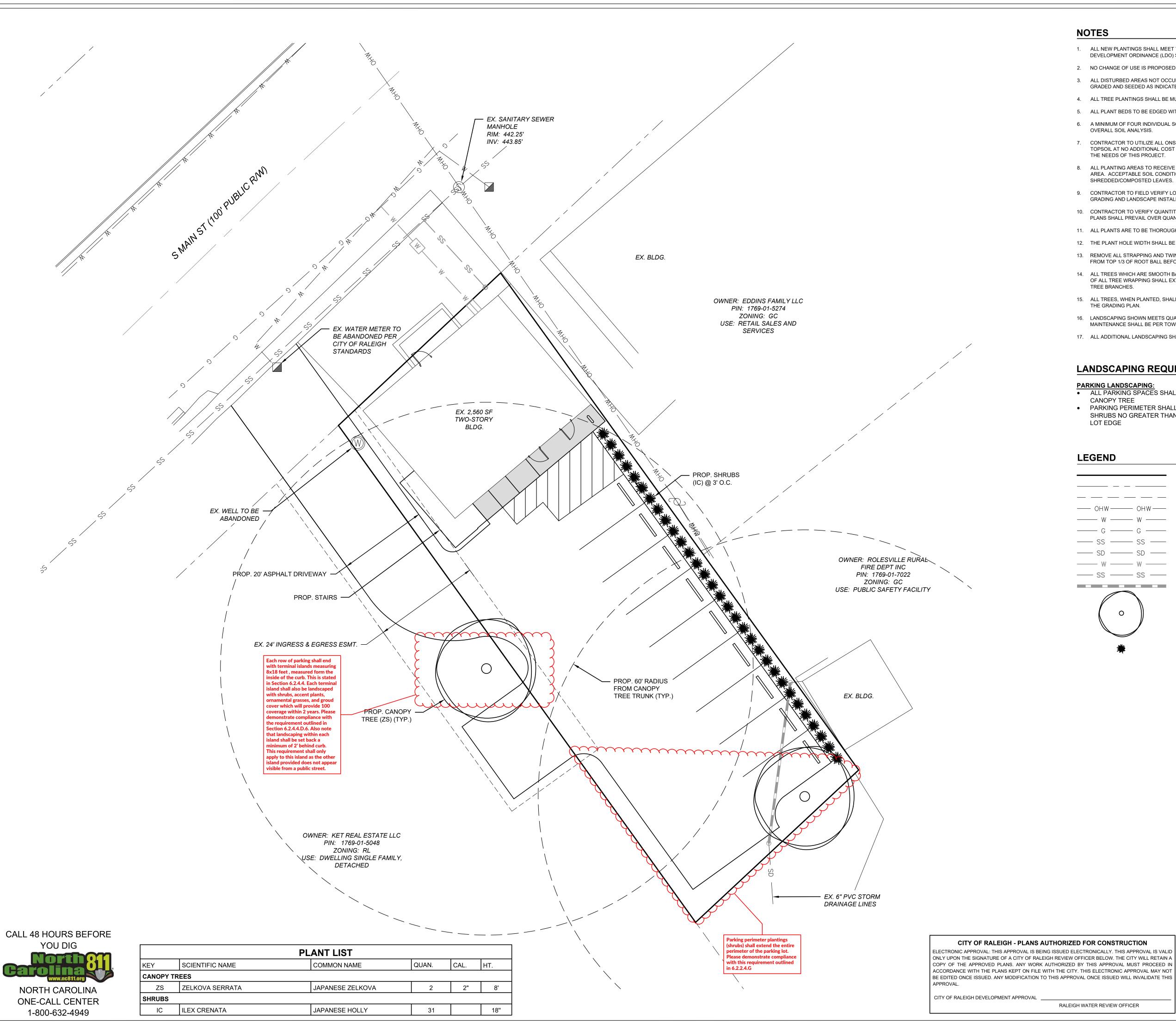
**COUNTY STANDARDS AND SPECIFICATIONS** 

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION ELECTRONIC APPROVAL: THIS APPROVAL IS BEING ISSUED ELECTRONICALLY. THIS APPROVAL IS VALID

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CITY OF RALEIGH DEVELOPMENT APPROVAL

RALEIGH WATER REVIEW OFFICER



#### **NOTES**

- 1. ALL NEW PLANTINGS SHALL MEET THE REQUIREMENTS OF THE TOWN OF ROLESVILLE LAND DEVELOPMENT ORDINANCE (LDO) SECTION 6.2.
- 2. NO CHANGE OF USE IS PROPOSED; THUS, PERIMETER BUFFERS ARE NOT REQUIRED.
- 3. ALL DISTURBED AREAS NOT OCCUPIED BY STRUCTURES, PAVING OR PLANTINGS SHALL BE GRADED AND SEEDED AS INDICATED IN SPECIFICATIONS.
- 4. ALL TREE PLANTINGS SHALL BE MULCHED WITH 4" CLEAN, PINE STRAW MULCH.
- 5. ALL PLANT BEDS TO BE EDGED WITH TYPICAL "V-CHANNEL" EDGE.

THE NEEDS OF THIS PROJECT.

- 6. A MINIMUM OF FOUR INDIVIDUAL SOIL SAMPLES SHALL BE TAKEN THROUGHOUT THE SITE FOR OVERALL SOIL ANALYSIS.
- 7. CONTRACTOR TO UTILIZE ALL ONSITE TOPSOIL. CONTRACTOR SHALL SUPPLY ADDITIONAL TOPSOIL AT NO ADDITIONAL COST TO OWNER IF EXISTING TOPSOIL IS NOT SUFFICIENT TO MEET
- 8. ALL PLANTING AREAS TO RECEIVE 1 CY OF SOIL CONDITIONER FOR EACH 75 SF OF PLANT BED AREA. ACCEPTABLE SOIL CONDITIONERS SHALL BE PULVERIZED PINE BARK, PEAT MOSS OR SHREDDED/COMPOSTED LEAVES.
- 9. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES BEFORE BEGINNING OF GRADING AND LANDSCAPE INSTALLATION.
- 10. CONTRACTOR TO VERIFY QUANTITIES OF PLANTINGS AS SHOWN. PLANTINGS INDICATED ON
- PLANS SHALL PREVAIL OVER QUANTITIES INDICATED IN PLANT LIST IF DISCREPANCIES ARISE.
- 11. ALL PLANTS ARE TO BE THOROUGHLY "WATERED IN" THE SAME DAY AS PLANTED.
- 12. THE PLANT HOLE WIDTH SHALL BE A MINIMUM THREE TIMES THE DIAMETER OF THE ROOT BALL.
- 13. REMOVE ALL STRAPPING AND TWINE FROM ROOT BALL. REMOVE WIRE BASKET AND BURLAP
- FROM TOP 1/3 OF ROOT BALL BEFORE BACKFILLING AROUND BALL IS COMPLETED.
- 14. ALL TREES WHICH ARE SMOOTH BARKED AT THE TIME OF PLANTING AND HAVE MORE THAN 2' OF ALL TREE WRAPPING SHALL EXTEND FROM THE TOP OF THE BACKFILL TO THE LOWERMOST
- 15. ALL TREES, WHEN PLANTED, SHALL HAVE THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE GRADING PLAN.
- 16. LANDSCAPING SHOWN MEETS QUANTITY REQUIREMENTS. ALL INSTALLATION AND MAINTENANCE SHALL BE PER TOWN OF ROLESVILLE UDO.
- 17. ALL ADDITIONAL LANDSCAPING SHALL BE PER OWNER.

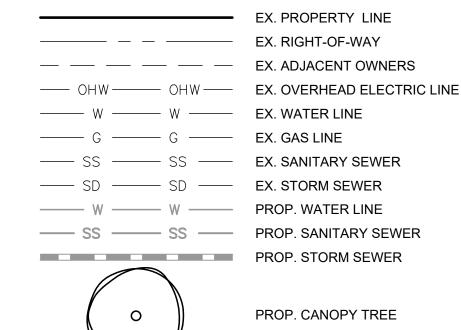
#### LANDSCAPING REQUIREMENTS

#### PARKING LANDSCAPING

- ALL PARKING SPACES SHALL BE WITHIN 60' FROM THE TRUNK OF A **CANOPY TREE**
- PARKING PERIMETER SHALL CONSIST OF A SINGLE CONTINUOUS ROW OF SHRUBS NO GREATER THAN 3' ON-CENTER AND WITHIN 5' OF THE PARKING LOT EDGE

PROP. SHRUB

#### LEGEND





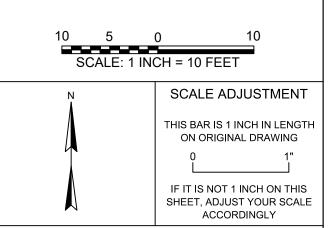
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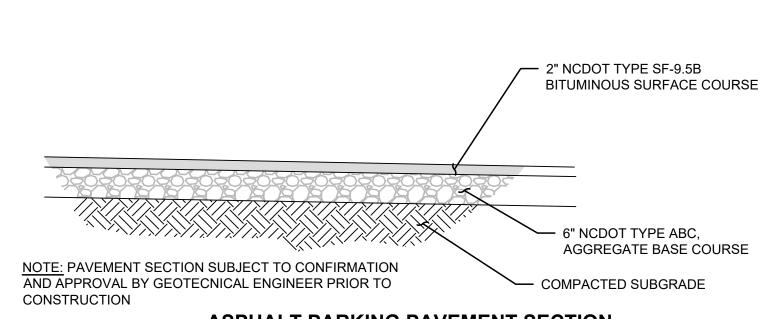
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LANDSCAPING PLAN

SHEET 6 OF 9

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**ASPHALT PARKING PAVEMENT SECTION** 

Before planting, add 3-4" (7-10 cm) of well-composted leaves, recycled yard waste or other compost and till into top 6" (15 cm) of prepared soil. Add compost at 20-35%

Do not stake trees except where specified

3" (8 cm) bark mulch; do not place mulch in

contact with tree trunk. Keep mulch 2" from tree trunk.

4" (10 cm) raised ring of soil to direct water

into root ball - especially important if top of root ball is raised above grade.

Perimeter trench to be 4-6" (10-15 cm) deeper than root ball pad for poor draining soils.

stabilize; allow rest of backfill to settle naturally or tamp lightly.

water drains out of the soil: use lowered

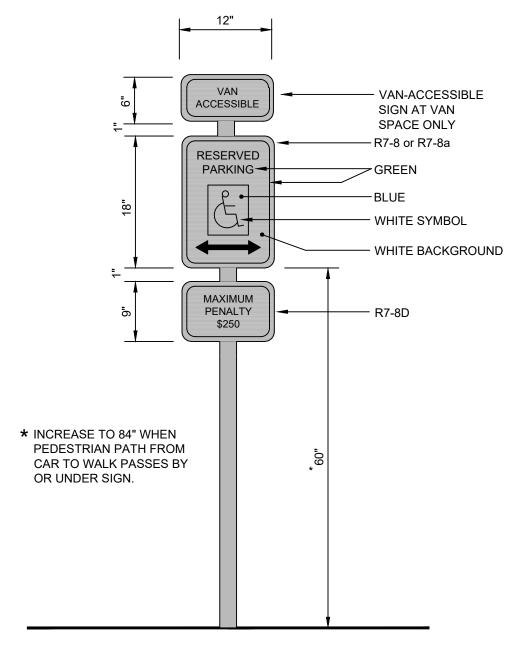
4. Thoroughly soak the tree root ball and the first month after planting and regularly

throughout the following two summers

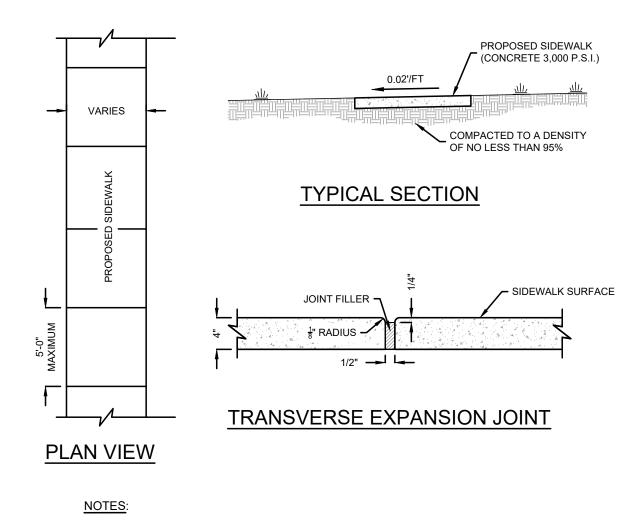
drainage system as required.

Extend stakes into undisturbed soil.

NO SCALE



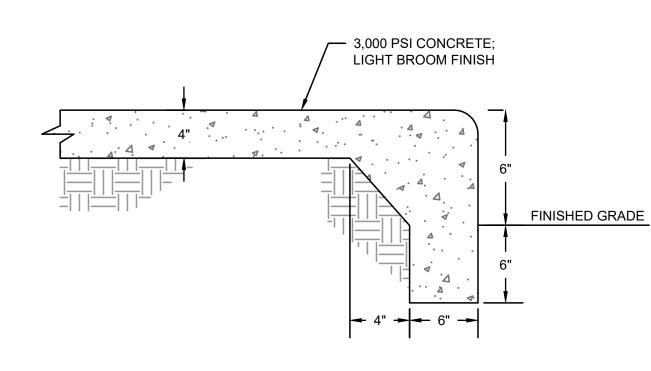
**ADA SIGN AND POST** 



- 1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 5 FEET. 2. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND. 3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY
- CROSSINGS, AT STREET INTERSECTIONS (ALONG THE LENGTH OF RADIUS CURB RETURNS), AND IN THE HANDICAP RAMPS.

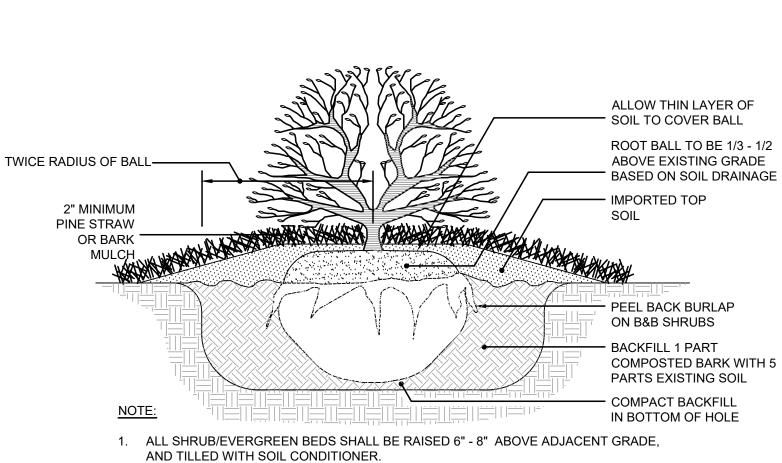
Q. More Images

**CONCRETE SIDEWALK** NO SCALE



**TURNDOWN SIDEWALK** NO SCALE

# NO SCALE



- 1. ALL SHRUB/EVERGREEN BEDS SHALL BE RAISED 6" 8" ABOVE ADJACENT GRADE,

#### TYP. SHRUB/EVERGREEN PLANTING DETAIL

#### 1-Loop Wave Style Bike Rack - 3 Bike Capacity, Black

Upscale stylish look for downtown shopping and business districts.

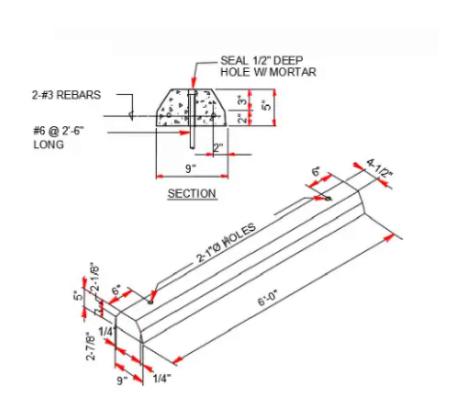
- · For stadiums, parks and athletic fields.
- 10-gauge steel with attractive powder coating.
- 2 3/8" diameter bar.
- Mounting hardware included.

SPECIFY COLOR: MODEL No. DESCRIPTION LxWxH CAPACITY (LBS.) 1 3+ 1-Loop | 22 x 2 <sup>1</sup>/<sub>2</sub> x 34" | 3 | 27 | \$230 | \$220 | ■ Black ▼ | 1

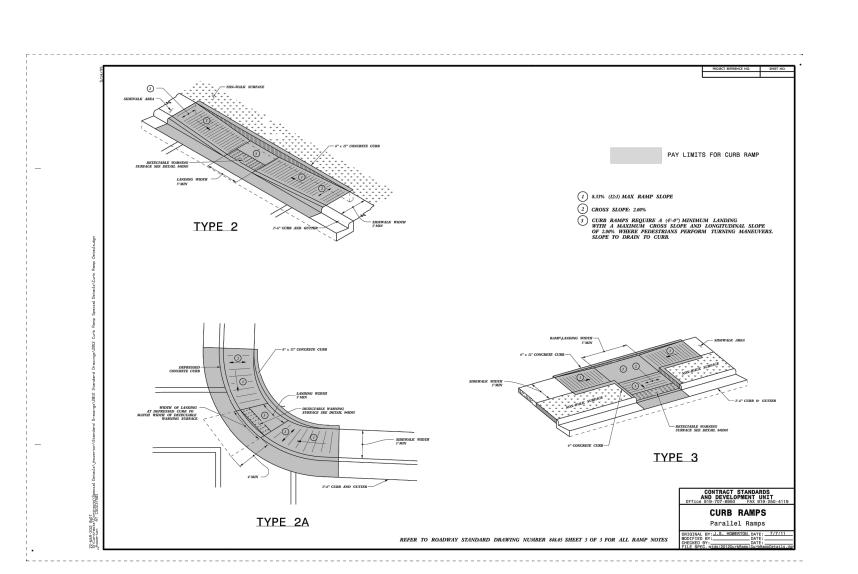
**BIKE RACK DETAIL** 

2. ALL SHRUB/EVERGREEN BEDS IN PARKING ISLANDS ONLY SHALL BE RAISED 12" ABOVE ADJACENT GRADE AND TILLED WITH SOIL CONDITIONER.

#### TREE PLANTING DETAIL NO SCALE



PRE-CAST CONCRETE WHEEL STOP DETAIL



### CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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CITY OF RALEIGH DEVELOPMENT APPROVAL RALEIGH WATER REVIEW OFFICER

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH AND WAKE **COUNTY STANDARDS AND SPECIFICATIONS** 



POST OFFICE BOX 91727 RALEIGH, NORTH CAROLINA 27675 PHONE: 919.610.1051 FIRM NC LICENSE NUMBER C-4222



**REVISION HISTORY** 

REV #	DESCRIPTION	DATE	BY

ORIGINAL PLAN SIZE: 24" X 36"

SCALE ADJUSTMENT THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING IF IT IS NOT 1 INCH ON THIS

SHEET, ADJUST YOUR SCALE ACCORDINGLY

SITE CONSTRUCTION PLANS

SALON

105 S MAIN ST ROLESVILLE, NC 27571

DRAGONFLY INVESTMENTS LLC

DATE:	04-26-2024
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	23043

SITE DETAILS

SHEET 7 OF 9



NORTH CAROLINA

CALL 48 HOURS BEFORE

YOU DIG

Do not purchase or install trees with two

Do not wrap trunk; Mark the north side of the tree in the nursery and locate to the

Trunk flare and top of root ball should be at

grade in well drained soil, up to 4 inches (10 cm) above grade in poorly drained soils.

Note: Width of planting hole is minimum 3 times

root ball diameter in highly compacted or clay soil; 2 times the root ball diameter \_\_\_\_\_ minimum in all others.

Dig wide planting hole with tapered sides.

Rough up the sides of the planting hole

Cut burlap, rope and wire basket away-

from top and sides of root ball. Uncover at least 2/3 of rootball.

1. Where several trees will be planted close together such that they will likely share

root space, till in soil amendments to a depth of 4-6" (10-15cm) over the entire

area.

2. For container grown trees, use fingers or small hand tools to pull the roots out of the

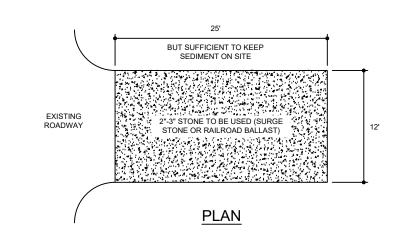
outer layer of potting soil; then cut or pull apart any roots circling the perimeter of the

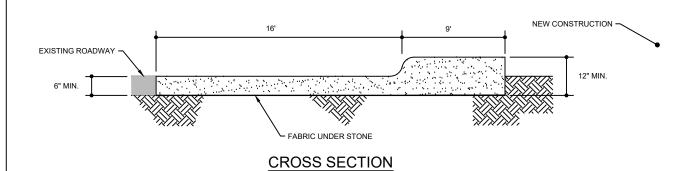
Set Ball on undisturbed soil to prevent -

with a shovel or hand tool.

north in field.

leaders. Do not structural prune at planting. Only prune tree at planting for specific corrections, including broken and dead branches.





#### NOTES:

- 1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
- 2. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

#### **GRAVEL CONSTRUCTION ENTRANCE**

#### FOR SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1): DATE AUG 15-NOV 1 TALL FESCUE 300 LBS/ACRE NOV 1-MAR 1 TALL FESCUE & ABRUZZI RYE 300 LBS/ACRE MAR 1-APR 15 TALL FESCUE 300 LBS/ACRE APR 15-JUN 30 HULLED COMMON BERMUDAGRASS 25 LBS/ACRE 125 LBS/ACRE (TALL FESCUE); 35 TALL FESCUE AND BROWNTOP MILLET LBS/ACRE (BROWNTOP MILLET); 30 JUL 1-AUG 15 OR SORGHUM-SUDAN HYBRIDS \*\*\* LBS/ACRE (SORGHUM-SUDAN HYBRIDS \*\* TEMPORARY: RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12' IN HEIGHT BEFORE MOWING: OTHERWISE FESCUE MAY BE SHADED OUT

FUR SE	FOR SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1):		
DATE	TYPE	PLANTING RATE	
MAR 1 - JUN 1	SERICEA LESPEDEZA (SCARIFIED) AND USE THE FOLLOWING COMBINATIONS:	50 LBS/ACRE	
MAR 1 - APR 15	ADD TALL FESCUE	120 LBS/ACRE	
MAR 1 - JUN 30	OR ADD WEEPING LOVE GRASS	10 LBS/ACRE	
MAR 1 - JUN 30	OR ADD HULLED COMMON BERMUDAGRASS	25 LBS/ACRE	
JUN 1 - SEPT 1	TALL FESCUE AND BROWNTOP MILLET OR SORGHUM-SUDAN HYBRIDS ***	120 LBS/ACRE (TALL FESCUE); 35 LBS/ACRE (BROWNTOP MILLET); 30 LBS/ACRE (SORGHUM-SUDAN HYBRIDS)	
SEPT 1 - MAR 1	SERICEA LESPEDEZA (UNHULLED - UNSCARIFIED) AND TALL FESCUE	70 LBS/ACRE (SERICEA LESPEDEZA); 120 LBS/ACRE (TALL FESCUE)	
NOV 1 - MAR 1	AND ABRUZZI RYE	25 LBS/ACRE	
VEGETATION. DO	RESEED ACCORDING TO OPTIMUM SEASOI NOT ALLOW TEMPORARY COVER TO GRO WISE, FESCUE MAY BE SHADED OUT.		

MIXTURE		
AGRICULTURAL LIMESTONE	2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)	
FERTILIZER	1,000 LBS/ACRE - 10-10-10	
SUPERPHOSPHATE	500 LBS/ACRE - 20% ANALYSIS	
MULCH	2 TONS/ACRE - SMALL GRAIN STRAW	
ANCHOR	ASPHALT EMULSION AT 400 GALS/ACRE	

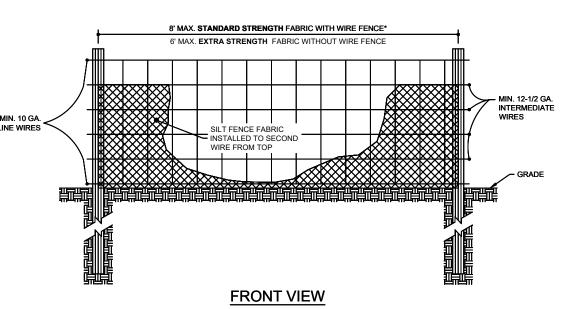
#### **SEEDBED PREPARATION:**

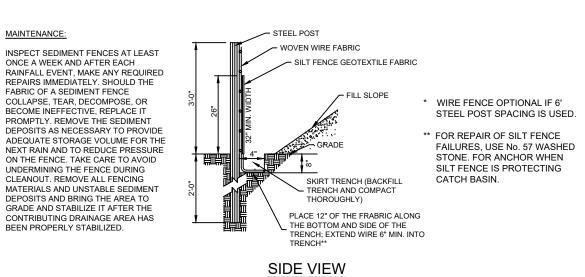
- 1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF
- 2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
- 3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND
- 4. APPLY AGRICULTURAL LIME, FERTILIZER AN SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (\*SEE BELOW).
- 5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX
- 6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND
- \*APPLY: AGRICULTURAL LIMESTONE- 2 TONS/ACRE MINIMUM OR PER SOIL TEST

FERTILIZER - 10-10-10 ANALYSIS @ 1,000 LBS/ACRE SUPERPHOSPHATE - 500 LBS/ACRE OF 20% ANALYSIS MULCH - 2 TONS (+/- 80 BALES) STRAW/ACRE ANCHOR - USE LIQUID ASPHALT @ 400 GALS/ACRE OR EMULSIFIED ASPHALT @ 400 GALS/ACRE

#### PERMANENT SEEDING SCHEDULE NO SCALE

**CALL 48 HOURS BEFORE** 





- NOTES: 1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
- 2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.

CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SOIL AMENDMENTS:

SOIL AMENDMENTS

- 3. INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- 4. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT
- 5. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE



ANNUAL LESPEDEZA\* (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS) - 50 \*OMIT ANNUAL LESPEDEZA WHEN DURATION OF EMULSION, NETTING, OR A MULCH ANCHORING TOOL. TEMPORARY COVER IS NOT TO EXTEND BEYOND

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. SEEDING DATES:
MOUNTAINS: ABOVE 2500 FEET: FEB. 15 - MAY 15
RESEED, REFERTILIZE, AND MULCH IMMEDIATELY BELOW 2500 FEET: FEB. 1 - MAY 1 FOLLOWING EROSION OR OTHER DAMAGE

COASTAL PLAIN: DEC. 1 - APR. 15 FOR SUMMER:

SEEDING MIXTURE: GERMAN MILLET\* - 40 LB/ACRE \*IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE

PIEDMONT: MAY 1 - AUG. 15 COASTAL PLAIN: APR. 15 - AUG. 15

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 3 TON/ACRE (6,000 LB/ACRE) GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 3 TON/ACRE (6,000 LB/ACRE) GROUND AGRICULTURAL

LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY

TACKING WITH 400 GALLONS/ACRE OF ASPHALT

TACKING WITH 400 GALLONS/ACRE OF ASPHALT EMULSION, NETTING, OR A MULCH ANCHORING TOOL.

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE

FOR FALL: SEEDING DATES: MOUNTAINS: AUG. 15 - DEC. 15

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 3 TONS/ACRE (6.000 LB/ACRE) GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER

COASTAL PLAIN AND PIEDMONT: AUG. 15 - DEC. 30 APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH 400 GALLONS/ACRE OF ASPHALT EMULSION, NETTING, OR A MULCH ANCHORING TOOL

SOIL AMENDMENTS:

REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY

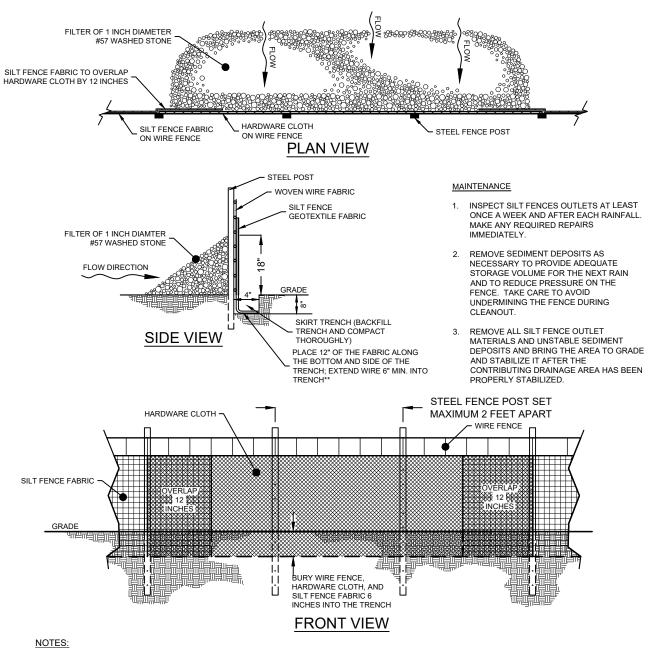
#### SEEDBED PREPARATION:

LIMING - APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE PH (ACIDITY) OF THE SOIL IS NOT KNOWN, AN APPLICATION OF GROUND AGRICULTURAL LIMESTONE AT THE 6.106 RATE OF 1 TO 1 1/2 TONS/ACRE ON COARSE-TEXTURED SOILS AND 2-3 TONS/ACRE ON FINETEXTURED SOILS IS USUALLY SUFFICIENT. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL. SOILS WITH A PH OF 6 OR HIGHER NEED NOT BE

FERTILIZER - BASE APPLICATION RATES ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE, APPLY A 10-10-10 GRADE FERTILIZER AT 700-1,000 LB/ACRE. BOTH FERTILIZER AND LIME SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. IF A HYDRAULIC SEEDER IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN

SURFACE ROUGHENING - IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED, EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED. LOOSEN IT JUST PRIOR TO SEEDING BY DISKING RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING (PRACTICE 6.03, SURFACE ROUGHENING).

#### TEMPORARY SEEDING SCHEDULE NO SCALE



- 1. INSPECT SILT FENCES OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- 2. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT
- 3. REMOVE ALL SILT FENCE OUTLET MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SILT FENCE OUTLET

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CITY OF RALEIGH DEVELOPMENT APPROVAL RALEIGH WATER REVIEW OFFICER

ACCORDANCE WITH ALL TOWN OF ROLESVILLE, CITY OF RALEIGH AND WAKE **COUNTY STANDARDS AND SPECIFICATIONS** 

ALL CONSTRUCTION SHALL BE IN



POST OFFICE BOX 91727 RALEIGH, NORTH CAROLINA 27675 PHONE: 919.610.1051 FIRM NC LICENSE NUMBER C-4222



**REVISION HISTORY** 

DESCRIPTION	DATE	ВҮ
	DESCRIPTION	DESCRIPTION DATE

ORIGINAL PLAN SIZE: 24" X 36"

SCALE ADJUSTMENT THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT IS NOT 1 INCH ON THIS SHEET, ADJUST YOUR SCALE ACCORDINGLY

SITE CONSTRUCTION PLANS

SALON

105 S MAIN ST ROLESVILLE, NC 27571

DRAGONFLY INVESTMENTS LLC

DATE:	04-26-2024
SCALE:	AS SHOWN
DESIGNED BY:	FLM
APPROVED BY:	FLM
PROJECT NO.:	23043

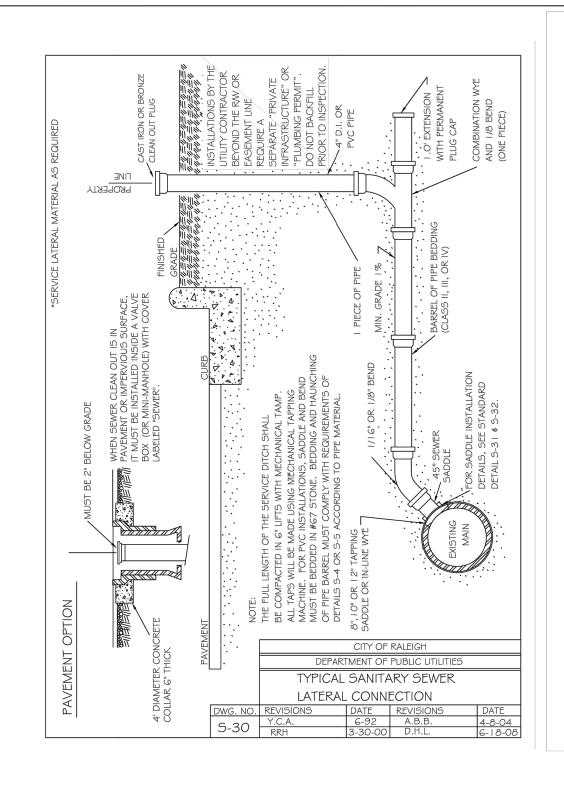
**EROSION & SEDIMENT CONTROL DETAILS** 

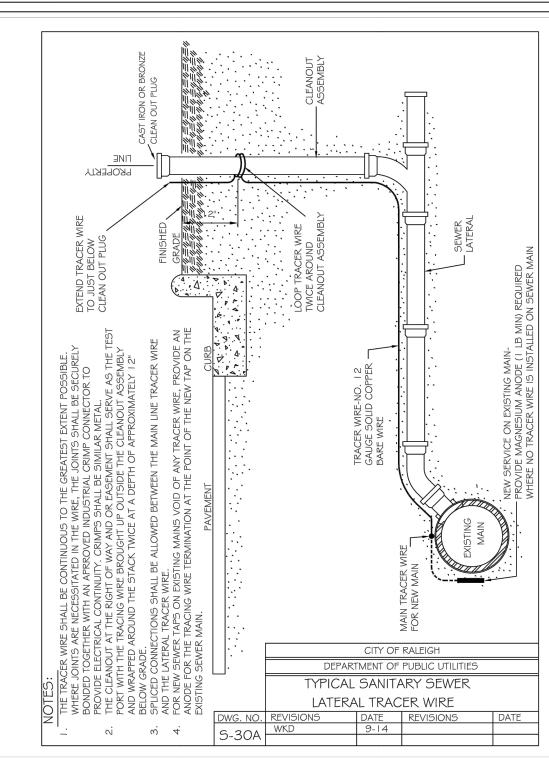
SHEET 8 OF 9

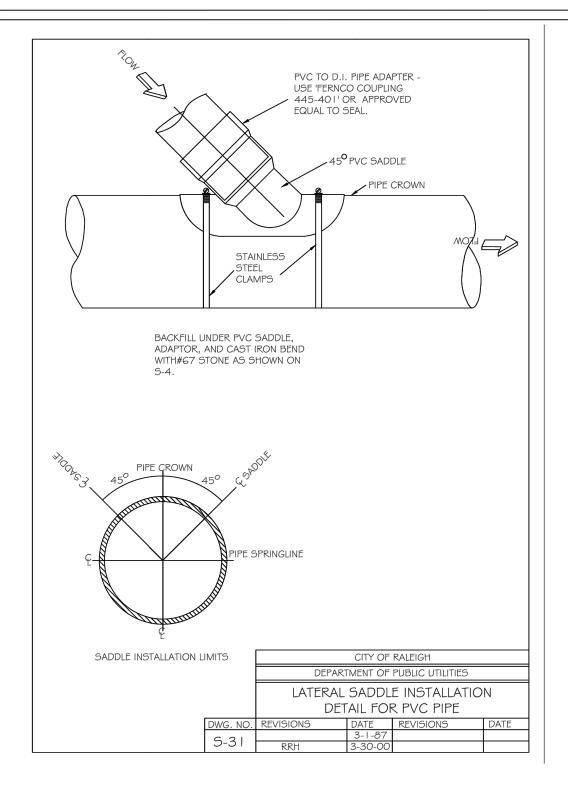
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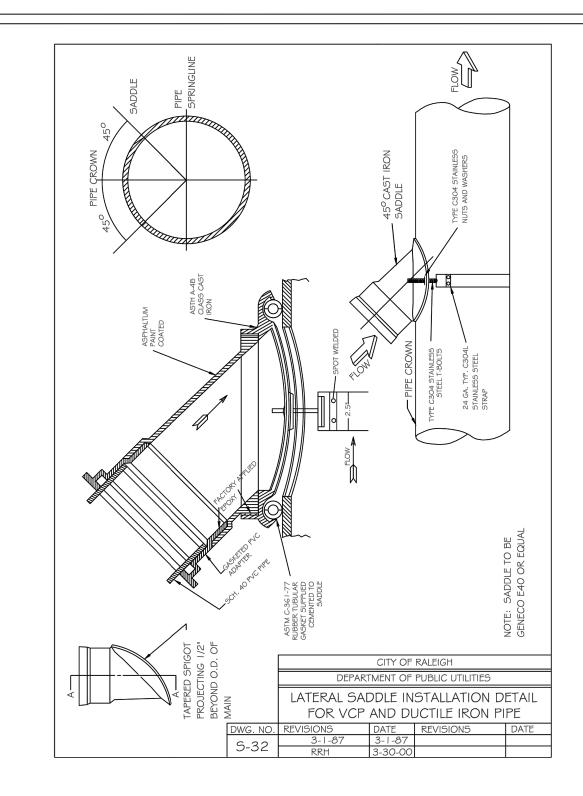
**ONE-CALL CENTER** 

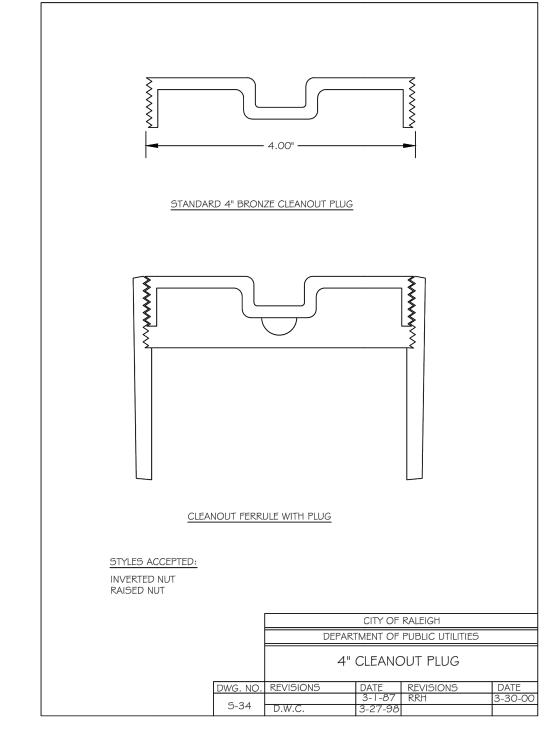
1-800-632-4949













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		REV #	DESCRIPTION	DATE	BY
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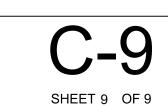
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WATER & SEWER DETAILS

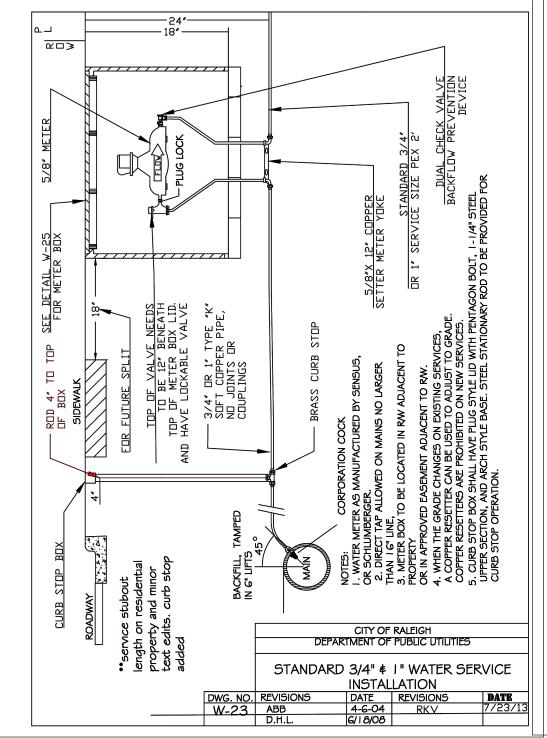


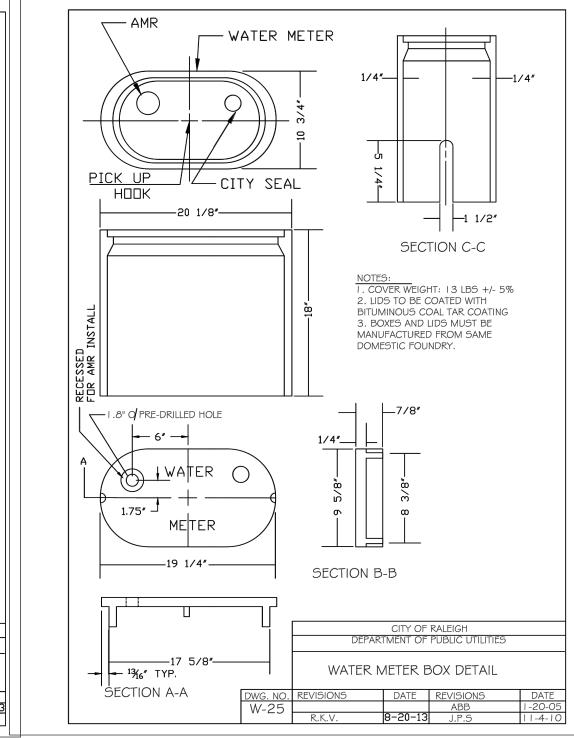
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