

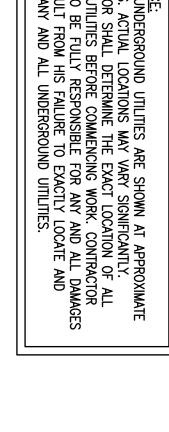
STREETSCAPE for CITY OF CONOVER MARCH 2017

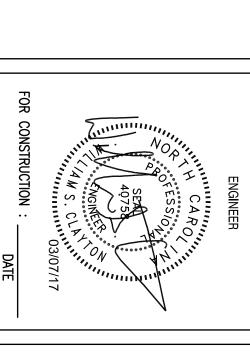


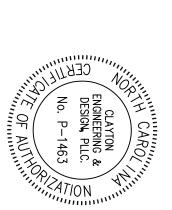
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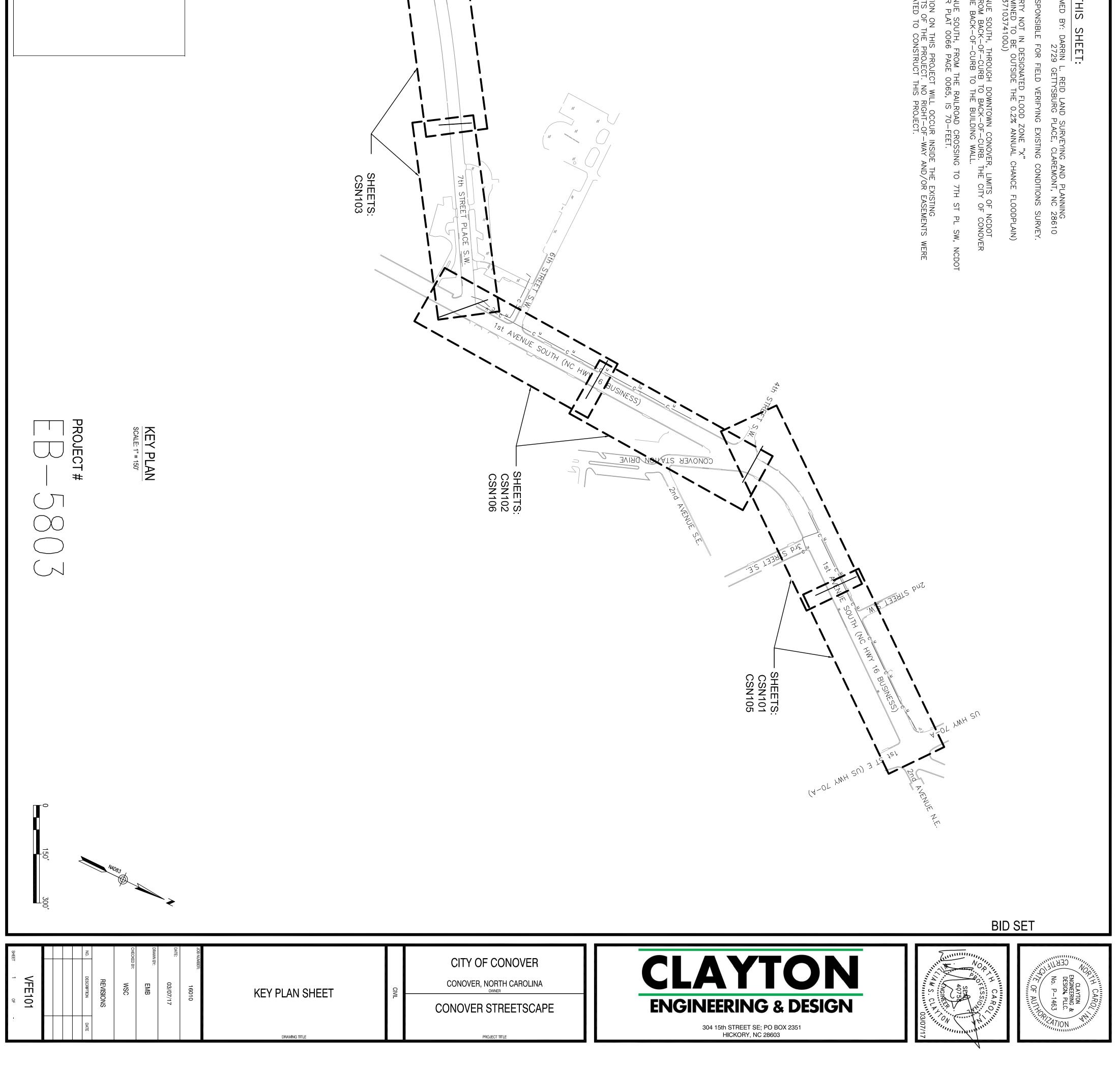
COVER
VFE101 - KEY PLAN SHEET
VFE102 - EXTENDED SHARED BIKE LANES
CSN101 - 1st AVE S (STA 10+00 - 19+75)
CSN102 - 1st AVE S (STA 19+75 - 29+63)
CSN102 - 1st AVE S (STA 19+75 - 29+63)
CSN103 - 7th ST PL SW (STA 10+00 - 21+25)
CSN104 - 7th ST PL SW (STA 21+25 - 31+59)
CSN105 - 1st AVE S (PAVEMENT MARKING PLAN)
CSN106 - 1st AVE S (PAVEMENT MARKING PLAN)
CSN501 - SITE DETAILS
XSN101 - CROSS SECTIONS
XSN102 - CROSS SECTIONS
XSN103 - CROSS SECTION TYPICAL DETAILS
L1.0 - OVERALL PLANTING PLAN (VIZ, PLLC)
L1.1 - PLANTING PLAN (VIZ, PLLC)
L1.2 - PLANTING PLAN (VIZ, PLLC)

OT PROJECT NUMBER: EB-5803









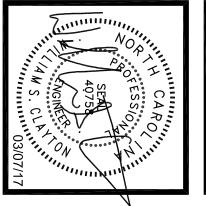
CITY OF CONOVER

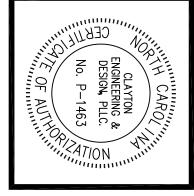
CONOVER, NORTH CAROLINA
OWNER

CONOVER STREETSCAPE

PROJECT TITLE







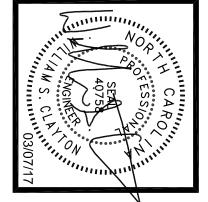
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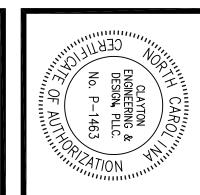
1st AVENUE SOUTH (NC HWY 16) STATION 10+00 TO 19+75 CITY OF CONOVER

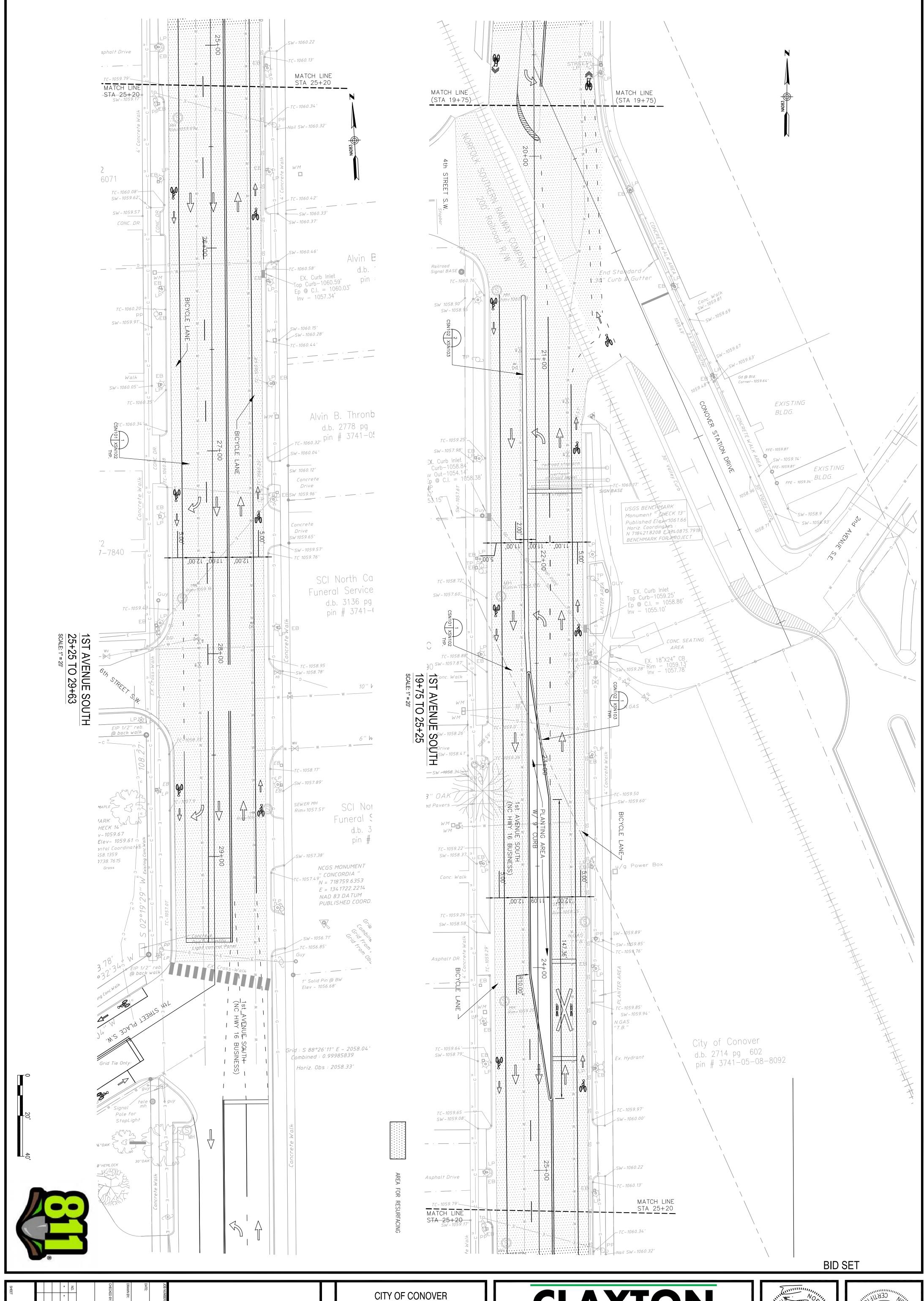
CONOVER, NORTH CAROLINA
OWNER

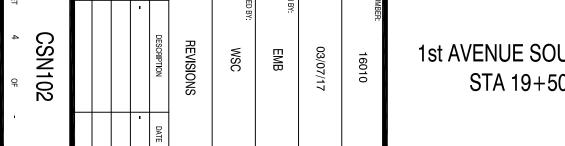
CONOVER STREETSCAPE









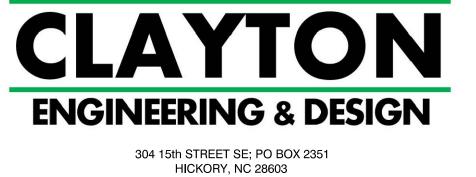


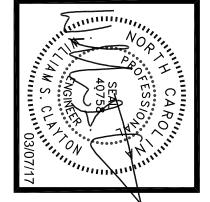
1st AVENUE SOUTH (NC HWY 16) STA 19+50 TO 29+63

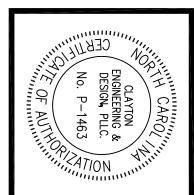
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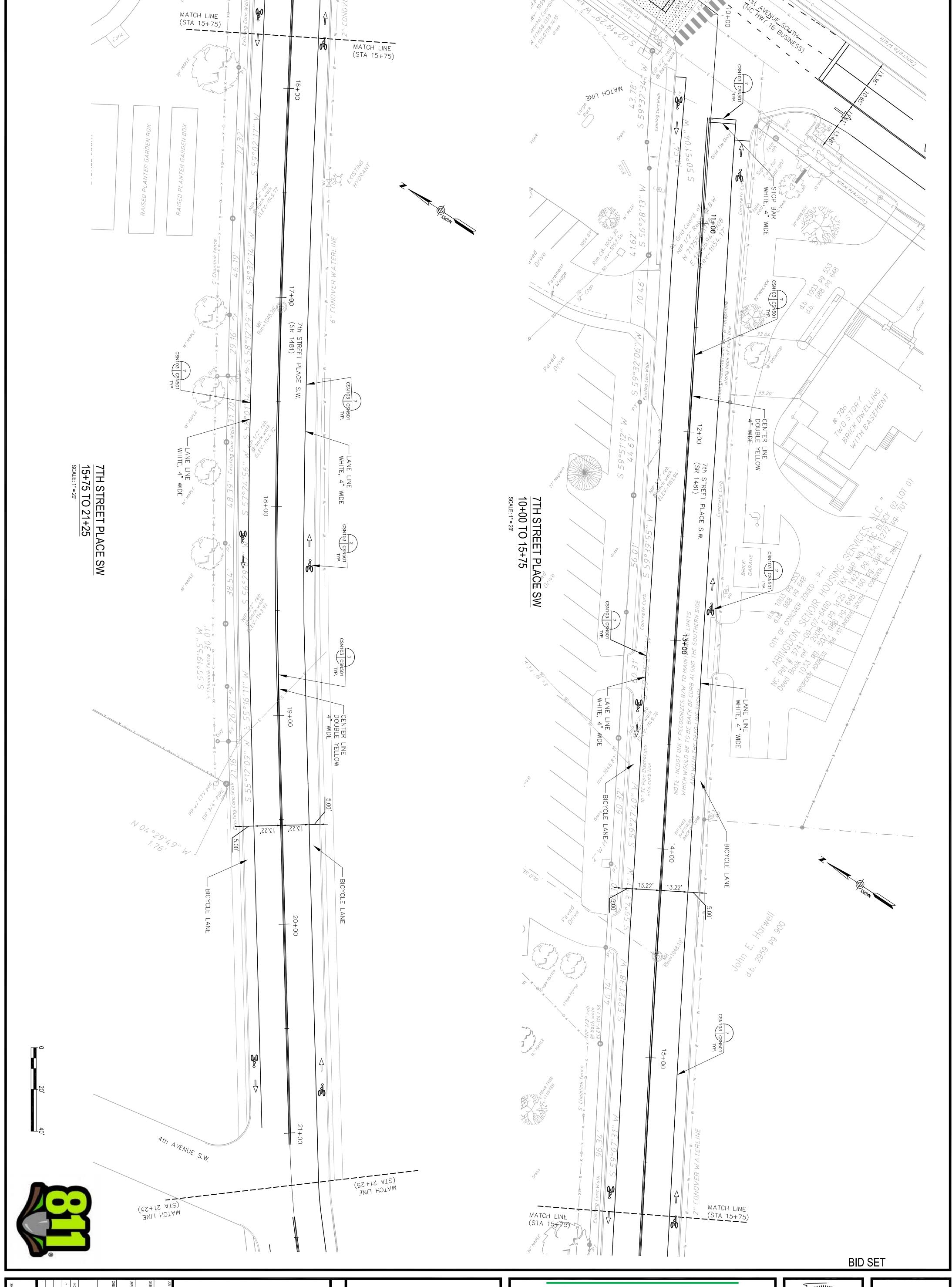
CONOVER, NORTH CAROLINA

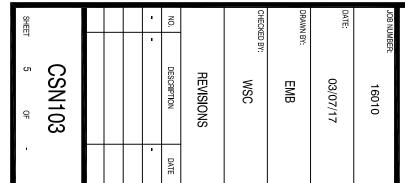
CONOVER STREETSCAPE











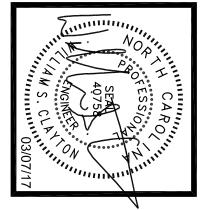
PAVEMENT MARKING PLAN 7th STREET PLACE S.W. STATION 10+00 TO 21+25

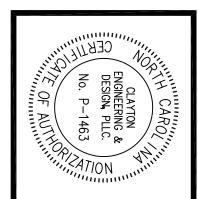
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CITY OF CONOVER CONOVER, NORTH CAROLINA

CONOVER STREETSCAPE







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PAVEMENT MARKING PLAN 7th STREET PLACE S.W. STATION 21+25 TO 31+59 CITY OF CONOVER

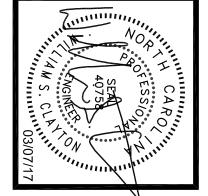
CONOVER, NORTH CAROLINA
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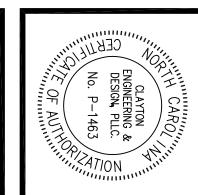
CONOVER STREETSCAPE

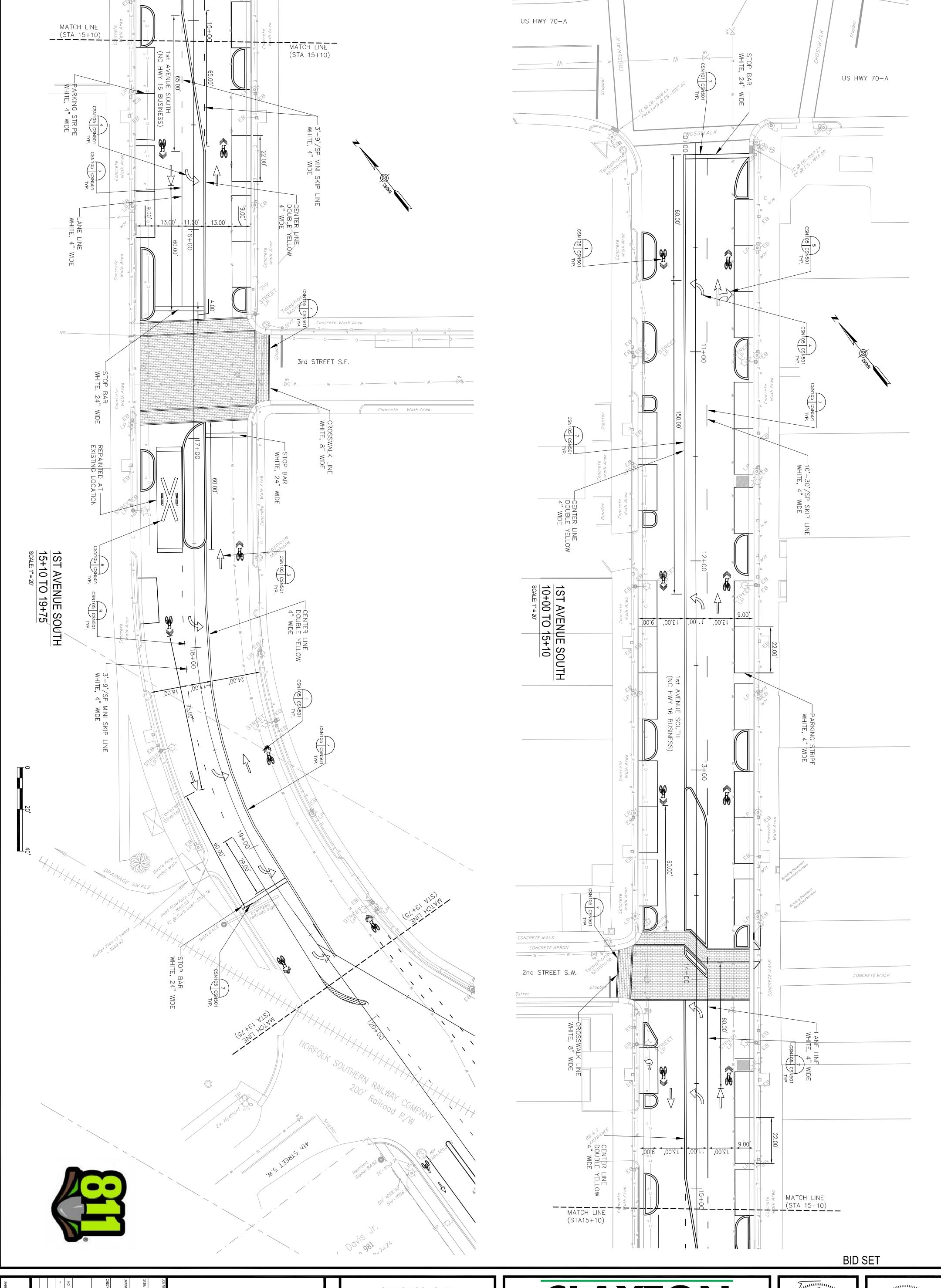
CLAYTON

ENGINEERING & DESIGN

304 15th STREET SE; PO BOX 2351
HICKORY, NC 28603







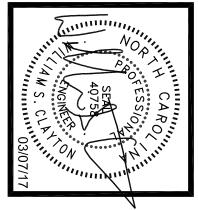
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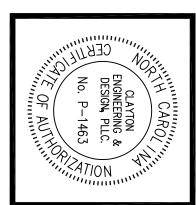
PAVEMENT MARKING PLAN 1st AVENUE SOUTH (NC HWY 16) STATION 10+00 TO 19+75

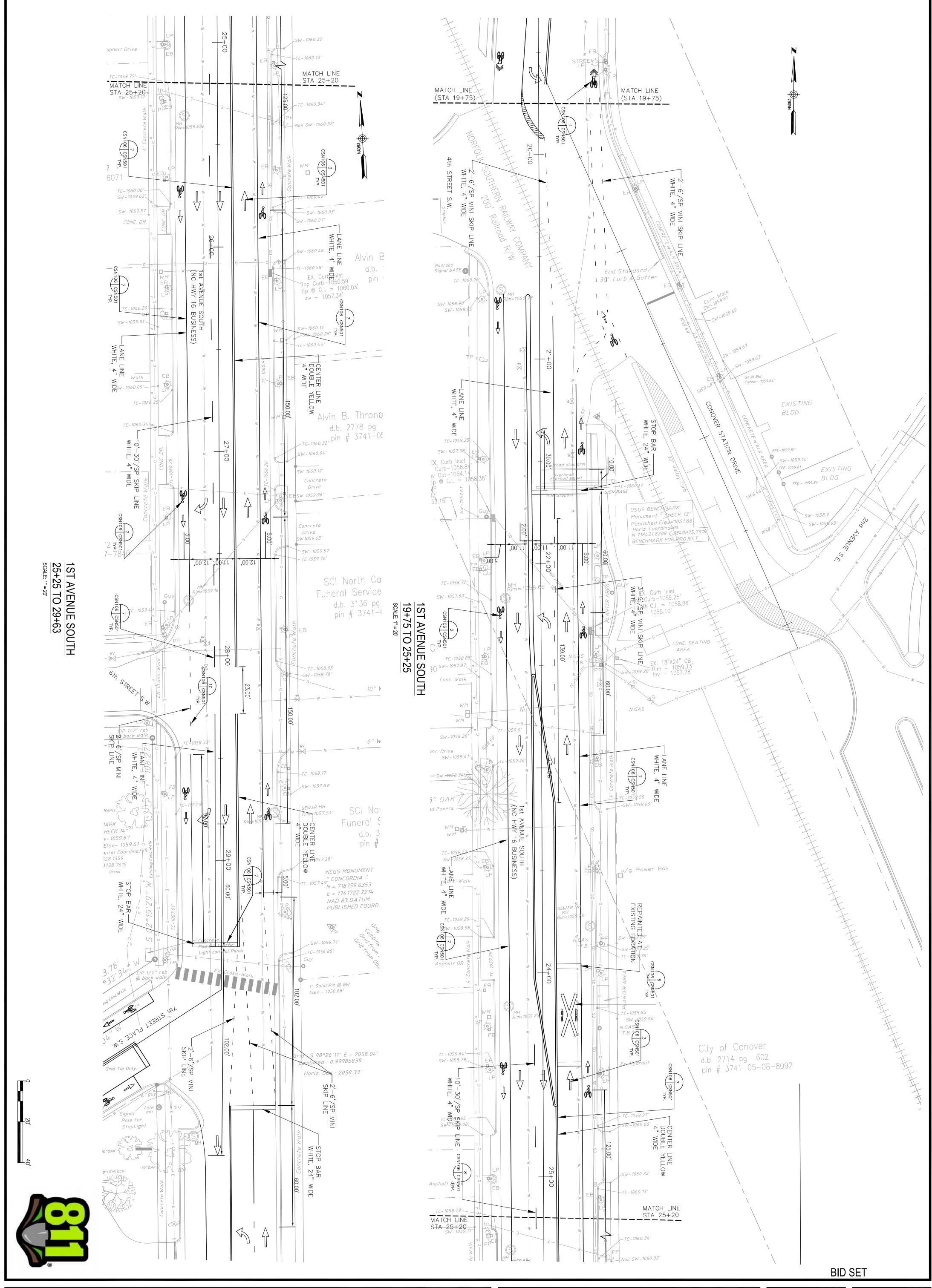
CITY OF CONOVER CONOVER, NORTH CAROLINA

CONOVER STREETSCAPE

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PAVEMENT MARKING PLAN 1st AVENUE SOUTH (NC HWY 16) STA 19+50 TO 29+63 CITY OF CONOVER

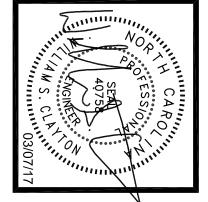
CONOVER, NORTH CAROLINA
OWNER

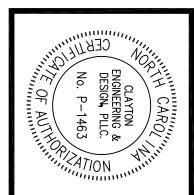
CONOVER STREETSCAPE

CLAYTON

ENGINEERING & DESIGN

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HICKORY, NC 28603





W:\Projects\2016\16010 - Conover Streetscape\500 CADD\560 dwg\CSS16010CSN_101.dwg, 3/7/2017 11:21:21 AM, william clayton THESE DRAWINGS AND THE DESIGN THEREON ARE THE PROPERTY OF CLAYTON ENGINEERING & DESIGN, PLLC. AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE ENGINEER / ARCHITECT AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION STATE OF STATE OF UPPER CAROLINA HORTH CAROLINA DEPT. OF TRANSPORTATION DEPT. OF HIGHWAYS SALEIGH, N.C. STATE OF GARDLING NOBITH CAROLINA DEPT. OF TRANSPORTATION OF HIGHWAYS RALEIGH, N.C. SAMBOLS AND WORD MESSAGES PAVEMENT MARKINGS LINE TYPES AND OFFSETS PAVEMENT MARKINGS ENGLISH STANDARD DRAWING FOR ENGLISH STANDARD DRAWING FOR 21-1 10'-2" TYPICAL NO SCALE TYPICAL NO SCALF **80** 10 **19** 64 LINE LANE TYPES ENERAL NOTES:

USE 6" LANE, EDGE, AND CENTER L

AS DIRECTED BY THE ENGINEER.

LANE LINES INDICATED AS "WIDE"

OF THE NORMAL LINE,

GORE LINES SHALL BE TWICE THE V 36" MARKING DETAILS GENERAL NOTES:

1- USE THE COLOR WHITE FOR ALL PAYEMENT MARKING SYMBOLS.

2- DO NOT LOCATE PAVEMENT MARKING SYMBOLS AS TO ENGROACH
INTO INTERSECTION AREAS.

3- DO NOT PLACE PAMEMENT MARKING SYMBOLS ACROSS TRANSMERSE
EXPANSION JOINTS ON PORTLAND CEMENT CHORST TRANSMERS,
EXPANSION AND PAYEMENT MARKING SYMBOLS APPROVED BY THE ENGINEER.

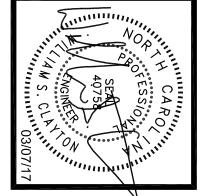
4- COMPORM ALL SYMBOLS TO THE FHAM "STANDARD ALPHABETS FOR
HIGHMAY SIGNS AND PAYEMENT MARKINGS" (REFER TO SHEETS 5
THEREFORE SLIGHT WALTANGES ARE ACCEPTABLE INFORMERS,
THEREFORE SLIGHT WALTANGES ARE ACCEPTABLE SYMBOLS ARE BEQUIRES TO BE APPROVED BY THE DEPARTMENT.

SYMBOLS ARE BEQUIRED TO BE APPROVED BY THE DEPARTMENT. DETAILS CSN103-106 CSN501 SPACING OF BIKE LANE MARKINGS SPACING OF BIKE LANE MARKINGS @ INTERSECTIONS, SELECT DRIVEWAYS, MERGING AREAS.
ALSO ALONG ROADWAY WITH LOW TRAFFIC FLOW, ~250 FT O.C. 1-12 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. 1205.01 ENGLISH STANDARD DRAWING FOR 1-12) STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. ENGLISH STANDARD DRAWING FOR PAVEMENT MARKINGS PAVEMENT MARKINGS LINE TYPES AND OFFSETS SYMBOLS AND WORD MESSAGES STATE OF U-STATE OF U-STATE OF HIGHWAYS DIVISION OF HIGHWAYS RALEIGH, N.C. PAYEMENT MARKINGS ENGLISH STANDARD DRAWING FOR DO NOT LOGATE PAVEMENT MARKING SYMBOLS AS TO ENORDAGH INTO INTERSECTION AREAS.

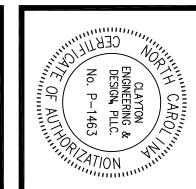
DO NOT PLAGE PAVEMENT MARKING SYMBOLS AGROSS TRANSVERSE EXPANSION JOINTS ON PORTLAND CEMENT GONGRETE PAVEMENTS, UNLESS APPROVED BY THE ENGINEER. MFORM ALL SYMBOLS TO THE FRWA "STANDARD ALPHABETS FOR SUNWAY SIGNS AND PAVEMENT MARKINGS", (REFER TO SHEETS FOR 50H OF 19 STANDARD AND THE BEST OF GAY VARY AND ME MANUFACTHERS, 19BEFORE SLIGHT VARIANCES ARE ACCEPTABLE, HOWEVER, ALL WHOLS ARE REQUIRED TO BE APPROVED BY THE DEPARTMENT. WHITE FOR ALL PAVEMENT MARKING SYMBOLS.
PAVEMENT HARKING SYMBOLS AS TO ENGROACH
TION AREAS. TYPICAL NO SCALE ARROW 18'-0" TYPES DETAILS SAME DIMENSIONS APPLY AS FOR THE CONBINATION STRAIGH AND LEFT/RIGHT TURN ARROW 1-12 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS ENGLISH STANDARD DRAWING FOR PAVEMENT MARKINGS SYMBOLS AND WORD MESSAGES RALEIGH, N.C. STATE OF H-12 NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C. SAMBOLS AND WORD MESSAGES ENGLISH STANDARD DRAWING FOR TYPICAL NO SCALE ᄱ R CROSSING DETAIL 8'-4"

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501) N	SNO	,	53	7/17	10	SITE DETAILS	<u>1</u> 1	CONOVER STREETSCAPE
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ENGLISH STANDARD DRAWING FOR PAVEMENT MARKINGS SYMBOLS AND WORD MESSAGES

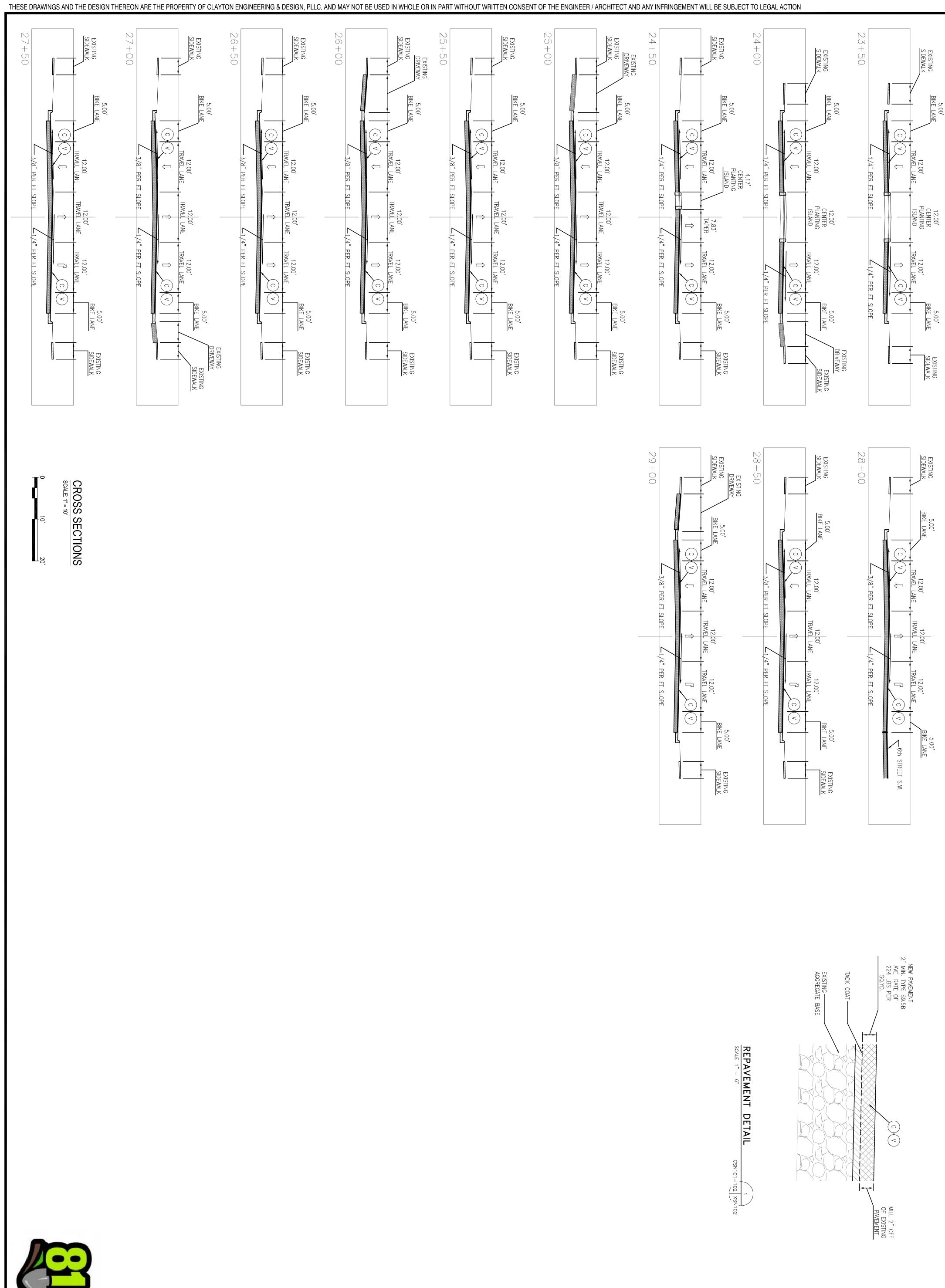


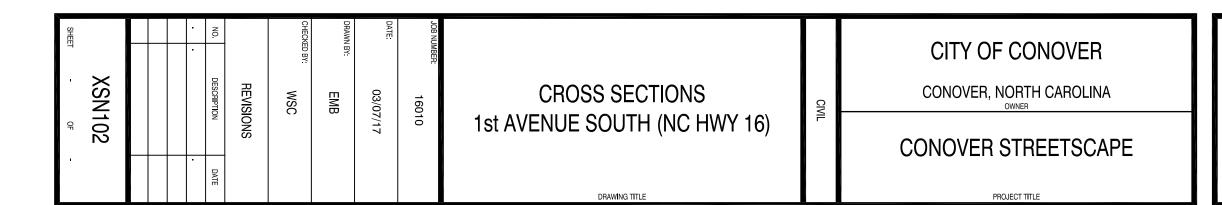
1-12 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

CONOVER STREETSCAPE

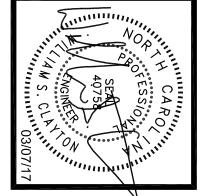
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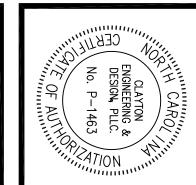
304 15th STREET SE; PO BOX 2351 HICKORY, NC 28603











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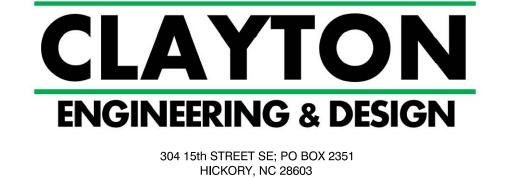
CROSS SECTIONS DETAILS 1st AVENUE SOUTH (NC HWY 16)

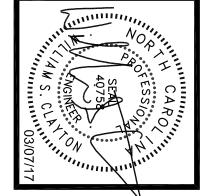
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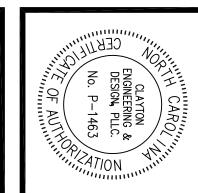
CITY OF CONOVER

CONOVER, NORTH CAROLINA
OWNER

CONOVER STREETSCAPE







G. SAND: CLEAN, WASHED, NATURAL OR MANUFACTURED, AND FREE OF TOXIC MATERIALS.

H. COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, PH RANGE OF 5.5 TO 8; MOISTURE

CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE. I. SPHAGNUM PEAT: PARTIALLY DECOMPOSED SPHAGNUM PEAT MOSS, FINELY DIVIDED OR GRANULAR TEXTURE, WITH A PH RANGE OF 3.4 TO 4.8.

J. MANURE: WELL-ROTTED, UNLEACHED, STABLE OR CATTLE MANURE CONTAINING NOT MORE THAN 25 PERCENT BY VOLUME OF STRAW, SAWDUST, OR OTHER BEDDING MATERIALS; FREE OF TOXIC SUBSTANCES, STONES, STICKS, SOIL, WEED SEED, DEBRIS, AND MATERIAL HARMFUL TO PLANT GROWTH.

3. FERTILIZERS

A. BONEMEAL: COMMERCIAL, RAW OR STEAMED, FINELY GROUND; A MINIMUM OF 1 PERCENT NITROGEN AND 10 PERCENT PHOSPHORIC ACID.

B. SUPERPHOSPHATE: COMMERCIAL, PHOSPHATE MIXTURE, SOLUBLE; A MINIMUM OF 20 PERCENT AVAILABLE

C. COMMERCIAL FERTILIZER: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASE NITROGEN.

D. SLOW-RELEASE FERTILIZER: GRANULAR OR PELLETED FERTILIZER.

4. PLANTING MIX

A. PLANTING MIX: SHALL BE NATURAL, FERTILE, AGRICULTURAL TOPSOIL, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, WITH PH RANGE OF 5.5 TO 7. IT MAY BE DEVELOPED BY AMENDING THE EXISTING SOIL, OR REMOVING THE EXISTING SOIL AND REPLACING WITH NEW SOIL. IT SHALL BE FREE OF ROOTS, PLANTS, SOD, STONES, CLODS, CLAY LUMPS, POCKETS OF COARSE SAND, CONCRETE SLURRY, CONCRETE LAYERS OR CHUNKS, CEMENT, PLASTER, BUILDING DEBRIS, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH. PLANTING MIX SHALL NOT BE USED WHILE IN A FROZEN OR MUDDY CONDITION. UNLESS OTHERWISE SPECIFIED, THE PLANTING MIX SHALL CONTAIN THE FOLLOWING PERCENTAGES:

MIN. 10% - MAX. 30% (RED CLAY WELL PULVERIZED); CLAY SHALL BE STERILE.

MIN. 30% - MAX. 50% SILT:

• COARSE SAND: MIN. 30% - MAX. 45% (1.0mm TO 0.5mm DIA., AND FREE OF ROCK) ORGANIC MAT.: MIN. 5% (COMPOST/HUMUS SUCH AS SAWDUST OR LEAF MOLD THAT IS DECOMPOSED)

• ELEMENTS: CALCIUM 55% - 80%; MAGNESIUM 10% - 30%; POTASSIUM 5% - 8%

B. CONTRACTOR TO PROVIDE SOILS TEST/ANALYSIS INDICATING ABOVE REQUIREMENTS.

5. MULCHES

A. DOUBLE HAMMERED HARDWOOD MULCH FOR ALL PLANT BEDS UNLESS OTHERWISE INDICATED. 6. PLANT BED ESTABLISHMENT

A. LAYOUT PLANT BEDS AS INDICATED ON THE PLANTING PLAN AND REMOVE UNNECESSARY MATERIAL TO A MINIMUM DEPTH OF 18 INCHES.

B. LOOSEN SUBGRADE OF PLANTING BEDS TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM

OFF OWNER'S PROPERTY. C. SPREAD PLANTING MIX (SEE 4 ABOVE) TO A DEPTH OF 18 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING MIX OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.

D. FINISH GRADING: GRADE PLANTING BEDS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.

7. EXCAVATION FOR TREES AND SHRUBS A. PLANTING PITS AND TRENCHES: EXCAVATE CIRCULAR PLANTING PITS WITH SIDES SLOPING INWARD AT A 45-DEGREE ANGLE. EXCAVATIONS WITH VERTICAL SIDES ARE NOT ACCEPTABLE. TRIM PERIMETER OF BOTTOM LEAVING CENTER AREA OF BOTTOM RAISED SLIGHTLY TO SUPPORT ROOT BALL AND ASSIST IN DRAINAGE AWAY FROM CENTER. DO NOT FURTHER DISTURB BASE. ENSURE THAT ROOT BALL WILL SIT ON UNDISTURBED BASE SOIL TO PREVENT SETTLING. SCARIFY SIDES OF PLANTING PIT SMEARED OR SMOOTHED DURING EXCAVATION.

B. EXCAVATE APPROXIMATELY THREE TIMES AS WIDE AS BALL DIAMETER. C. DO NOT EXCAVATE DEEPER THAN DEPTH OF THE ROOT BALL, MEASURED FROM THE ROOT FLARE TO THE BOTTOM OF

THE ROOT BALL.

D. SUBSOIL AND TOPSOIL REMOVED FROM EXCAVATIONS MAY NOT BE USED SOLELY AS PLANTING MIX (SEE NOTE 4 ABOVE).

I. WHEN PLANTING ON SLOPES, SET THE PLANT SO THE ROOT FLARE ON THE UPHILL SIDE IS FLUSH WITH THE SURROUNDING SOIL ON THE SLOPE; THE EDGE OF THE ROOT BALL ON THE DOWNHILL SIDE WILL BE ABOVE THE SURROUNDING SOIL. APPLY ENOUGH SOIL TO COVER THE DOWNHILL SIDE OF THE ROOT BALL.

J. PRUNE/REMOVE ONLY DEAD, DYING, OR BROKEN BRANCHES. DO NOT PRUNE FOR SHAPE. PRUNE TO RETAIN NATURAL CHARACTER.

K. PRUNE, THIN, AND SHAPE TREES, SHRUBS, AND VINES ACCORDING TO STANDARD PROFESSIONAL HORTICULTURAL AND ARBORICULTURAL PRACTICES FOR NEWLY PLANTED PLANTS. UNLESS OTHERWISE INDICATED BY LANDSCAPE ARCHITECT, DO NOT CUT TREE LEADERS.

9. GROUND COVER, PERENNIAL, AND ANNUAL PLANTING A. SET OUT AND SPACE GROUND COVER, PERENNIALS, AND/OR ANNUALS AS INDICATED IN EVEN ROWS WITH

TRIANGULAR SPACING.

B. USE PLANTING MIX FOR BACKFILL. C. DIG HOLES LARGE ENOUGH TO ALLOW SPREADING OF ROOTS.

D. WORK SOIL AROUND ROOTS TO ELIMINATE AIR POCKETS AND LEAVE A SLIGHT SAUCER INDENTATION AROUND PLANTS

E. WATER THOROUGHLY AFTER PLANTING, TAKING CARE NOT TO COVER PLANT CROWNS WITH WET SOIL.

F. PROTECT PLANTS FROM HOT SUN AND WIND; REMOVE PROTECTION IF PLANTS SHOW EVIDENCE OF RECOVERY FROM

TRANSPLANTING SHOCK. 10.PLANT AND PLANT BED MULCHING

 A. MULCH BACKFILLED SURFACES OF PLANTING BEDS AND OTHER AREAS INDICATED. B. TREES AND TREE-FORM SHRUBS IN TURF AREAS: APPLY ORGANIC MULCH RING OF 3-INCH AVERAGE THICKNESS, WITH MINIMUM 36-INCH RADIUS AROUND TRUNKS OR STEMS. DO NOT PLACE MULCH WITHIN 3 INCHES OF TRUNKS OR

C. ORGANIC MULCH IN PLANT BEDS: APPLY 3-INCH AVERAGE THICKNESS OF MULCH OVER ENTIRE SURFACE OF PLANT BED, AND FINISH LEVEL WITH ADJACENT FINISH GRADES. DO NOT PLACE MULCH WITHIN 2 INCHES OF TRUNKS OR

STEMS. 11.PLANT MAINTENANCE A. MAINTAIN PLANTINGS BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, MULCHING, RESTORING

PLANTING SAUCERS, RESETTING TO PROPER GRADES OR VERTICAL POSITION, AND PERFORMING OTHER OPERATIONS AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SPRAY OR TREAT AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE. B. SET IRRIGATION SYSTEM FOR ZONE DURATION APPLICABLE FOR NEWLY PLANTED PLANTS IF APPLICABLE.

C. FILL IN AS NECESSARY SOIL SUBSIDENCE THAT MAY OCCUR BECAUSE OF SETTLING OR OTHER PROCESSES.

REPLACE MULCH MATERIALS DAMAGED OR LOST IN AREAS OF SUBSIDENCE. D. APPLY TREATMENTS AS REQUIRED TO KEEP PLANT MATERIALS, PLANTED AREAS, AND SOILS FREE OF PESTS AND

PATHOGENS OR DISEASE. USE PRACTICES TO MINIMIZE THE USE OF PESTICIDES AND REDUCE HAZARDS. E. APPLY PESTICIDES AND OTHER CHEMICAL PRODUCTS AND BIOLOGICAL CONTROL AGENTS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION AND MANUFACTURER'S WRITTEN RECOMMENDATIONS. COORDINATE APPLICATIONS WITH OWNER'S OPERATIONS AND OTHERS IN PROXIMITY TO THE WORK. NOTIFY OWNER BEFORE EACH

APPLICATION IS PERFORMED. F. PROTECT PLANTS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS AND OPERATIONS OF OTHER CONTRACTORS AND TRADES. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR, OR REPLACE DAMAGED PLANTINGS.

Plant Legend

3 Distylium 'V 4 Ligustrum s 5 Loropetalur 6 Euonymous	ifolia nia indica 'Natchez' /intage Jade' sinense 'Sunshine'	Lacebark Elm Natchez Crape Myrtle Vintage Jade Distylium Sunshine Ligustrum	3 ½" cal. 12' height 3 gal.	As Shown As Shown 36" o.c.	15 7 21
3 Distylium 'V 4 Ligustrum s 5 Loropetalur 6 Euonymous	'intage Jade'	Vintage Jade Distylium	3 gal.		
4 Ligustrum s 5 Loropetalur 6 Euonymous				36" o.c.	21
5 Loropetalur 6 Euonymous	sinense 'Sunshine'	Sunshine Ligustrum			
6 Euonymous		Canomic Ligaes am	3 gal.	36" o.c.	27
	n chinense 'Purple Pixie'	Purple Pixie Loropetalum	3 gal.	36" o.c.	33
	fortunei 'Emerald Gaiety'	Emerald Gaiety Wintercreeper	3 gal.	30" o.c.	36
7 Rosa 'Meidi	ifora'	Coral Drift Rose Groundcover	3 gal.	30" o.c.	58
8 Liriope mus	cari 'Big Blue'	Big Blue Liriope	1 gal.	15" o.c.	436





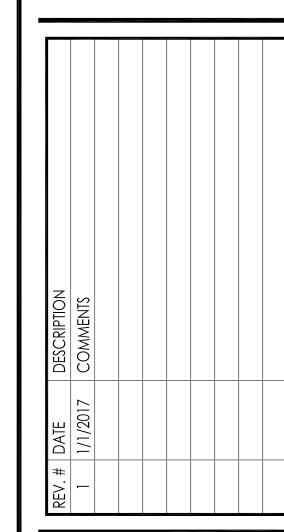
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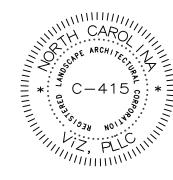
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1876







2/6/2017 SCALE: AS SHOWN JOB NUMBER: 16-76.1 DESIGNED BY: DRAWN BY:

SHEET TITLE: OVERALL **PLANTING** KEY PLAN





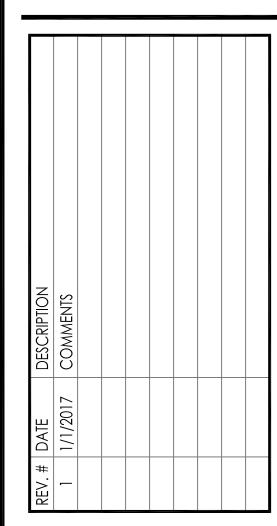
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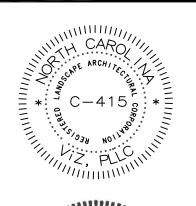
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SHEET TITLE:

PLANTING PLAN

Specifications 24" Tree Root Barrier

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications in varying sizes.

$\frac{\text{A. Materials}}{1.\,\text{The contractor shall furnish and install tree root barrier as specified}.$

- 2. Root barrier shall be recyclable, black, injection molded panels
- with 0.80" (2.03 mm) wall thickness in modules 24" (609 mm) long and 24" (609 mm) deep.
- 3. Root barrier shall be manufactured with 75% reprocessed polypropylene with added ultraviolet inhibitors. 4. Root barrier shall be comprised of 24" (60.96 cm) panels. Each
- panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.075" (1.90 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Details A & D)
- 5. Root barrier shall have a Double Top Edge consisting of two parallel, integral, horizontal ribs at the top of the panel at 0.060" (1.52 mm) thickness, 3/8" (9.53 mm) wide and 1/4" (6.35 mm) apart with the lower rib attached to the vertical Root Directing Ribs (See Detail A).
- 6. Root barrier shall have a minimum of twelve (12) Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of minimum 0.075" (1.90 mm) thickness in the shape of a segment of an oblong, the 2" (50.8 mm) chord of the segment joining the panel wall and the segment, protruding 3/8" (9.53 mm) from the panel. The twelve ground locks on each panel shall be about equally spaced between each of the vertical root directing ribs (Four (4) between each set of ribs, see Details B & D).
- 7. Root barrier shall have an integrated Zipper Joining System for assembly by sliding one panel into another (See Detail C).

assembly by sliding one panel	into another (See	Detail CJ.		— —	GRADE THIS SIDE TO TREE ESTE LADO MACIA EL ARBOL	-	90" Root Directing Rib, integral to panel Root Barrier Panel, 0.080" (2.03 mm) thick 75% reprocessed polypropylene Patented Anti-Lift Ground Lock Tabs (See Detail B)
Properties	Typical Value	ASTM Test Method	24" (609 mm)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<i>ا کم</i> د	
ensile strength @ yield - Wall	2.354 PSI	D638	. 54"				
Tensile strength @ yield - Hinge	2.846 PSI	D638					Rounded edges for safety and strength
ield Elongation - Wall	7.44%	D638	44				Y
ield Elongation - Hinge	7.01%	D638	1				
lexural Modulus	119.625 PSI	D790B	01				
Notched Izod Impact - Wall	3.84 (ft-lbs)	D256A	[4]			U	
Rockwell Hardness r. scale - Wall	84.4	D785A	\ \		U		
			DETAIL	D - TREE ROOT	BARRIER	PANEL	

0.060" (1.52 mm) —

DOUBLE TOP EDGE AND VERTICAL ROOT DIRECTING RIB

1/4" (6.35 mm)

ANTI-LIFT GROUND LOCK TAB

DETAIL C - ZIPPER JOINING SYSTEM

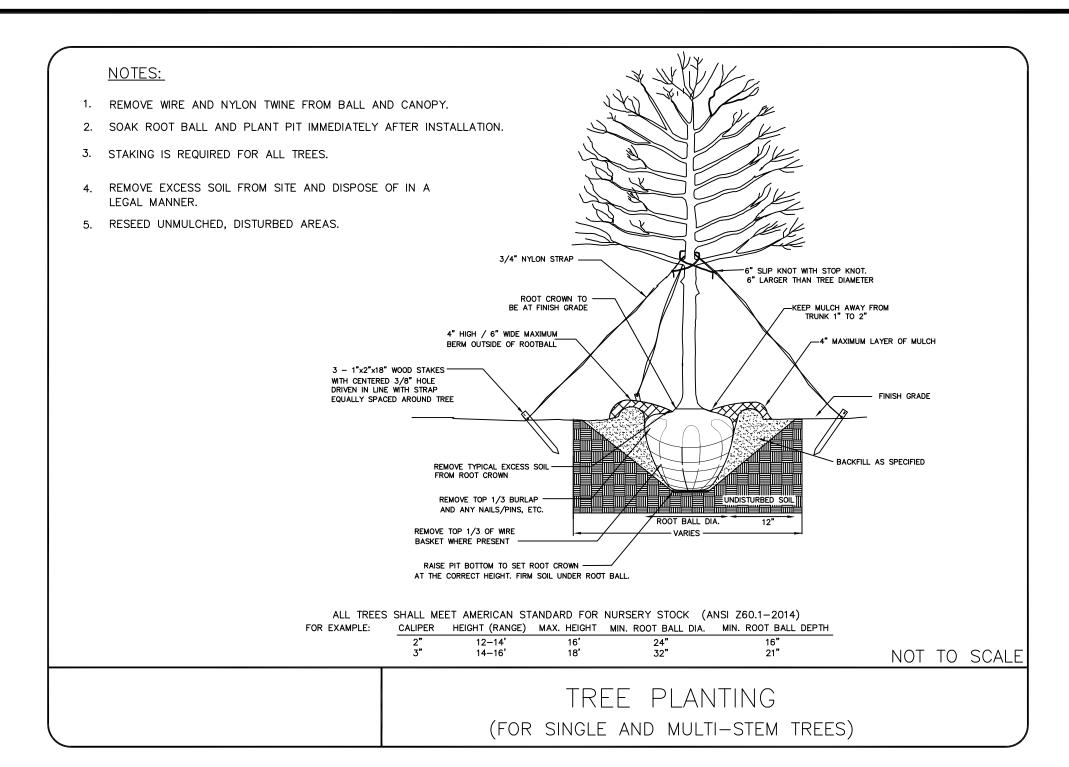
3/8" (9.53 mm) -

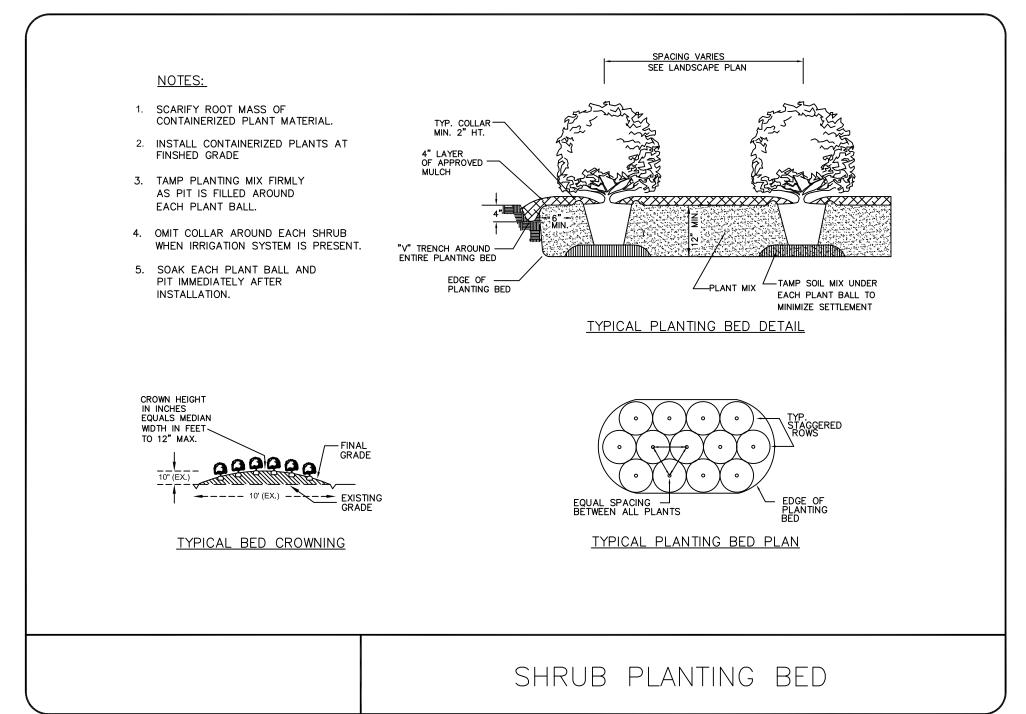
— 0.060" (1.52 mm)

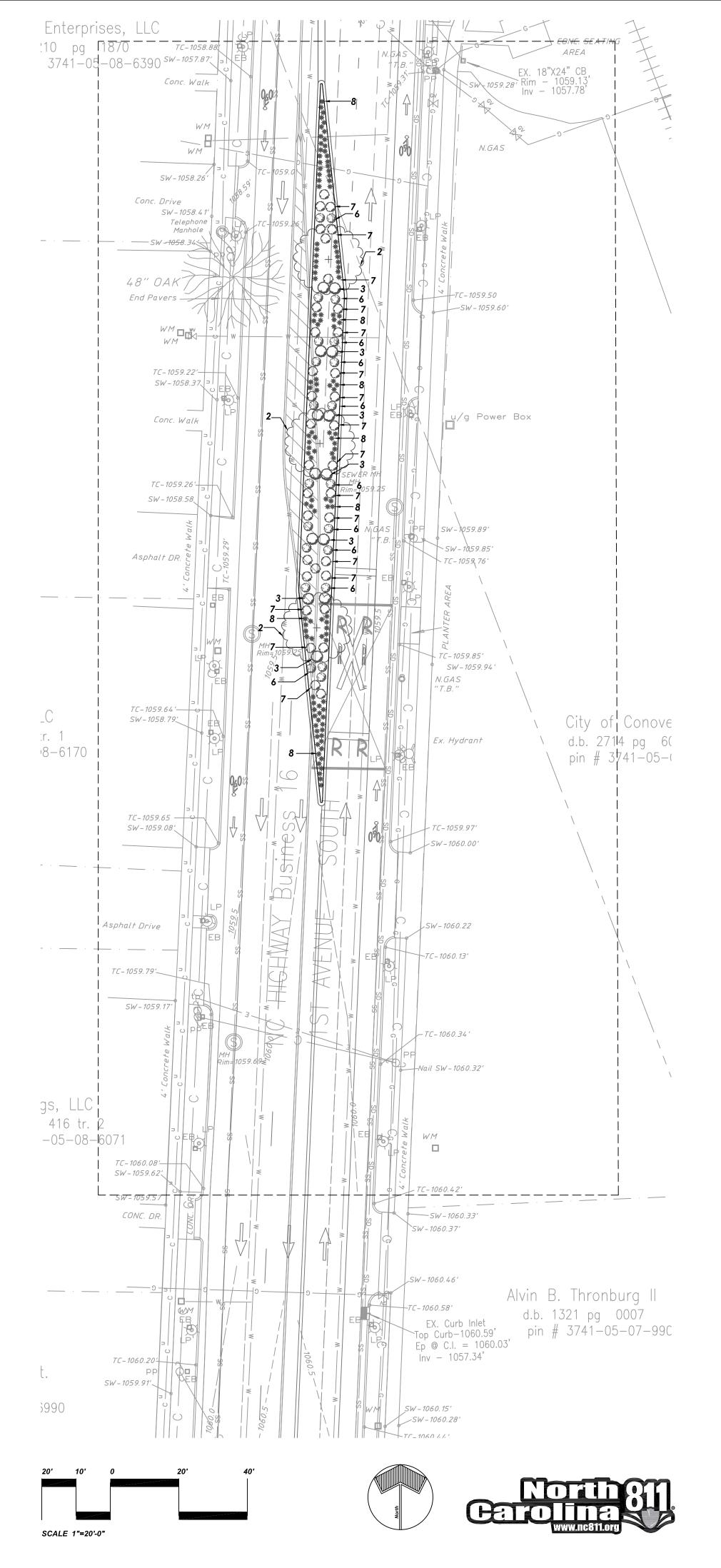
— 0.060" (1.52 mm)

ROOT BARRIER NOTES:

- 1. PROVIDE APPROXIMATELY 30' (15 PANELS) OF ROOT BARRIER FOR THE LACEBARK ELMS, AND APPROXIMATELY 26' (13 PANELS) OF ROOT BARRIER FOR THE CRAPE MYRTLES.
- 2. PLACE PANELS AS CLOSE TO BACK OF CURB AS PRACTICABLE.
- 3. PLACE PANELS TO A DEPTH AS INDICATED ON MANUFACTURE'S INSTALLATION RECOMMENDATIONS.









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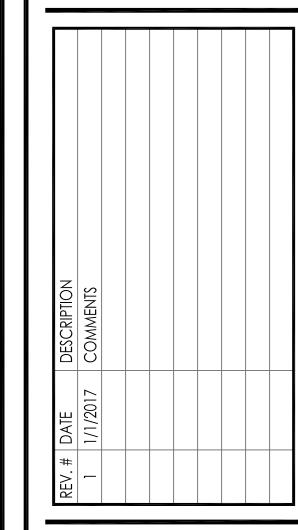
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2/6/2017

16-76.1

GRF

DATE: SCALE: JOB NUMBER:

AS SHOWN DESIGNED BY: DRAWN BY:

SHEET TITLE:

PLANTING PLAN & DETAILS