

PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P.#	STATE PROJECT W.B.S. #	SHEET# TOTAL	
ER-5600MC	46305.63		7
FED. PROJ.#	DESCRIPTION	DIVISION	
STP-0040(94)	S STERLING ST FRO HOSPITAL RD TO DREX	13	

CONVENTIONAL SYMBOLS

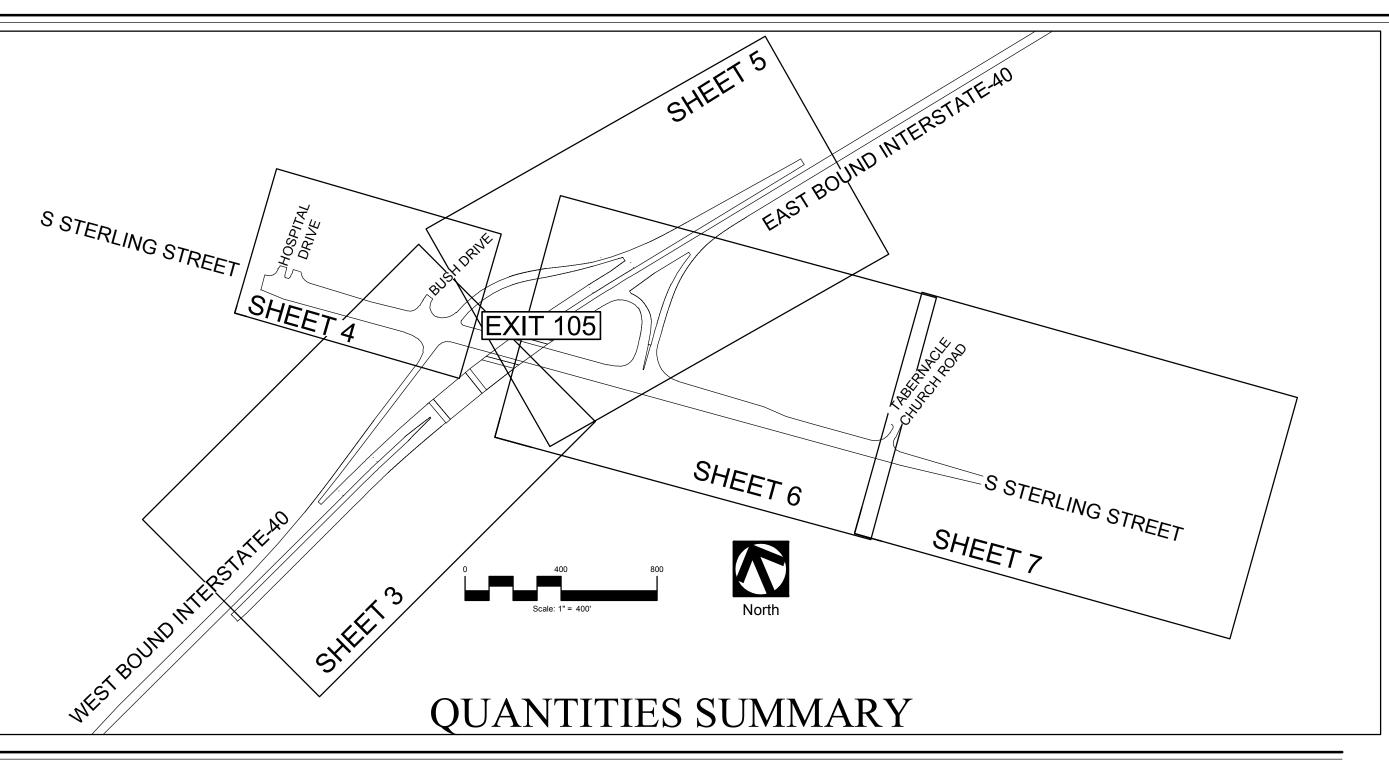
EXISTING OVERHEAD UTILITIES

EXISTING EDGE OF PAVEMENT

EXISTING HIGHWAY SIGN

EXISTING BRIDGE

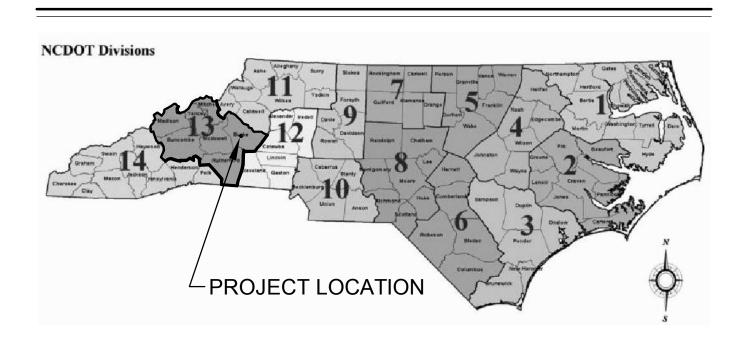
SHEET LEGEND



Irees	•							
CODE	Count	BOTANICAL_NAME	COMMON_NAME	CALIPER	HEIGHT	SPREAD	SPACING	COMMENTS
ABS	3	Amelanchier x grandiflora 'Autumn Brilliance'	'Autum Brilliance' Serviceberry	1" Min. Ea.	8-9'			BB, Multi-stem, White Flwrs
CM	57	Lagerstroeomia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	1-1.5" Each	10-12'			BB, Specimen, Single Trunk to Match Existing on Road
NSH	3	Ilex x Nellie R. Stevens	Nellie Stevens Holly		7-8'	4-5'	10' o.c.	BB, Full to ground, Specimen
SHU	5	Quercus shumardii	Shumard Oak	2.5-3"	12-14'			BB, Specimen
Shrubs								

CODE	Count	BOTANICAL_NAME	COMMON_NAME	HEIGHT	SPREAD	SPACING	NATIVE		
BBY	24	Callicarpa americana	American Beautyberry	12-15"	15-24", #3 Cont.	5' o.c.	Yes		
DAY	660	Hemerocallis 'Happy Returns'	'Happy Returns' Daylily	Full	Full, Qt. Cont.	18" o.c.			
DBB	169	Euonymus alatus 'Odom'	Little Moses Burning Bush	18-24"	24" Min, #3 Cont.	8' o.c.			
GH	246	llex crenata 'Golden Helleri'	Golden Helleri Holly	12-15"	15-24", #3 Cont.	4' o.c.			
KRG	31	Pennisetum orientale 'Karley Rose'	'Karley Rose' Fountain Grass	15-18"	15-24", #3 Cont.	3' o.c.			
MG	29	Muhlenbergia capillaris	Muhly Grass	15-18"	12-15", #1 Cont.	3' o.c.	Yes		
NWS	272	Panicum virgatum 'Northwind'	'Northwind' Swith Grass	15-18"	12-15", #3 Cont.	5' o.c.	Yes		
STH	90	llex crenata 'Soft Touch'	Soft Touch Holly	12" Min.	12-15", #3 Cont.	3.5' o.c.			
VIB	158	Viburnum dentatum 'Chicago Lustre'	Arrowwood Viburnum	18-24"	18-24", #3 Cont.	8' o.c.	Yes		
VL	1021	Liriope muscari 'Variegata'	Varigated Liriope	Full	Full, Qt. Cont.	12" o.c.			
WEI	112	Weigela florida 'Variegata'	Varigated Weigela	18-24"	18-24", #3 Cont.	5' o.c.			
ZL	5	Loropetalum chinensis 'Zhouzhou'	Zhouzhou Loropetalum	18-24"	18-24", #3 Cont.	8' o.c.			
l NO)TE	QUANTITY	DESCRIPTION						
Mulch		800 C.Y.	Total Mulch (Double Ground Pine Bark Mulch)						
F	4		Potential Wildflower bed by NCDOT						
B Not in Use									
C 66 C.Y.			Mid-sized Rip Rap (4-8" angular rock)						
С		41 C.Y.	Medium Winding River Rounds						
	0	8 C.Y.	Small Winding River Rounds						
C1		20 EA.	3-4'w x 2'ht Sized Large Boulders						
C1		30 EA.	1.5-2'w x 1'ht Sized Medium Boulders						
C2		335 S.Y.	Geo-textile Weed Barrier Fabric						
E 607 LF 6" Metal Plant Bed Edge									
1 17,500 SY Post-Emergent Herbicidal Treatment									
2		17,500 SY							
3 12 EA			Pre-Emergent Herbicidal Treatment Monthly Establishment Work Cycle						
	4	2 AC	Seeding and Mulching						
5 1 TON			Topdressing Fertilizer						
	<u></u>	10.00 M/G		<u> </u>	r Planting				
10.00 Wa				***************************************					

LOCATION





NOTES

- (A.) POTENTIAL WILDFLOWER BED BY NCDOT: POTENTIAL WILDFLOWER BEDS ARE INDICATED AND LABELED ON THE PLANS. CONFIRM WITH NCDOT PRIOR TO CONSTRUCTION IF SPECIAL PREPARATION SHOULD BE TAKEN WITH POTENTIAL WILDFLOWER BED AND/OR IF LOCATION SHOULD RECEIVE SUPPLEMENTAL SEEDING AND TOP-DRESSING.
- SUPPLEMENTAL SEEDING AND TOP-DRESSING: MOWED TURF AREAS LOCATED TO THE INSIDE OF THE RAMPS, AND BETWEEN THE EDGES OF PAVEMENT, THE NATURAL AREAS, AND/OR PLANT BEDS SHALL RECEIVE TOP-DRESSING AND SUPPLEMENTAL SEEDING. INTERIOR OF MEDIANS NOT LABELED AS PLANT BEDS TO BE RECEIVE TOP-DRESSING AND SUPPLEMENTAL SEEDING WITH LOW MAINTENANCE SEED. LAWN AREAS BETWEEN BACK OF CURB AND SIDEWALK ALONG S STERLING STREET TO RECEIVE TOP-DRESSING AND SUPPLEMENTAL SEEDING. CONTINUE UNTIL HEALTHY GRASS STRAND IS ESTABLISHED
- (C.) DRY CREEK BED: INSTALL APPROPRIATE EROSION CONTROL DEVICES AS DIRECTED BY THE ENGINEER IN THE FILED PRIOR TO ANY SOIL DISTURBING ACTIVITIES, REMOVE EXISTING VEGETATION, GRADE TIERS FOR HOLDING ROCK WITH POSITIVE DRAINAGE, INSTALL GEO-TEXTILE, INSTALL BOULDERS, FILL CREEK BED WITH INTERMIXED SIZES OF WINDING RIVER ROUNDS AS DIRECTED BY THE ENGINEER IN THE FIELD
- D.) PROPOSED NEW PLANT BEDS AND RENOVATED PLANT BEDS: PLANT BEDS ARE INDICATED AND LABELED ON THE PLANS. STAKE PLANT BED PERIMETERS FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING OF WORK. INSTALL EROSION CONTROL DEVICES AS DIRECTED BY THE ENGINEER IN THE FIELD IF NEEDED. EXISTING PLANTS TO BE RETAINED IF ANY, WILL BE IDENTIFIED ON THE PLANS OR BY THE ENGINEER IN THE FIELD. APPLY POST-EMERGENCE HERBICIDE AND REPEAT AS NECESSARY TO ACHIEVE TOTAL KILL OF UNDESIRABLE VEGETATION. TAKE CARE NOT TO DAMAGE EXISTING VEGETATION TO BE RETAINED. REMOVE DEAD VEGETATIVE LAYER, TILL, AND RAKE TO SMOOTH AND LEVEL PLANT BED. IF TILLING IN THE VICINITY OF EXISTING TREES TO BE RETAINED DO NOT ENCROACH INTO AREA BENEATH DRIPLINE. TO PREVENT PROBLEMS FROM SHREDDING OF ROOTS, SMOOTHLY CUT ANY ROOTS ONE INCH OR GREATER THAT EXTEND BEYOND THE DRIPLINE INTO TILLED AREA. PLANT AS SHOWN ON PLANS:
 - NEW PLANTING AREAS: MULCH ENTIRE PLANT BED. NEW TREE PLANTINGS: MULCH TREE RING, SIZE NOTED ON PLANT

- (E.) 6" METAL EDGING ALONG BOTTOM OF PLANT BEDS AS NOTED ON
- NOTE: ALL REVISIONS OR CHANGES TO BE APPROVED BY DIVISION ROADSIDE ENVIRONMENTAL ENGINEER.

PLANS. 1/8" THICKNESS OR APPROVED OTHER BY NCDOT

ENVIRONMENTAL ENGINEER.

NOTE: DIVISION ROADSIDE ENVIRONMENTAL ENGINEER TO APPROVE PLANT BED LAYOUT PRIOR TO INSTALL.

INDEX OF SHEETS

- TITLE, DESCRIPTION, NOTES AND SUMMARY OF QUANTITIES
- 2 PLANTING DETAILS
- 3-7 LANDSCAPE PLANS

NOTABLE PAGES:

3 & 5 INTERSTATE 40 INTERCHANGE #105

KMB, TAG PREPARED BY: PRELIMINARY DESIGN DATE: September 1, 2015 FINAL DESIGN DATE: September 19, 2018

REVISION DATE:

2018 NCDOT STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF:



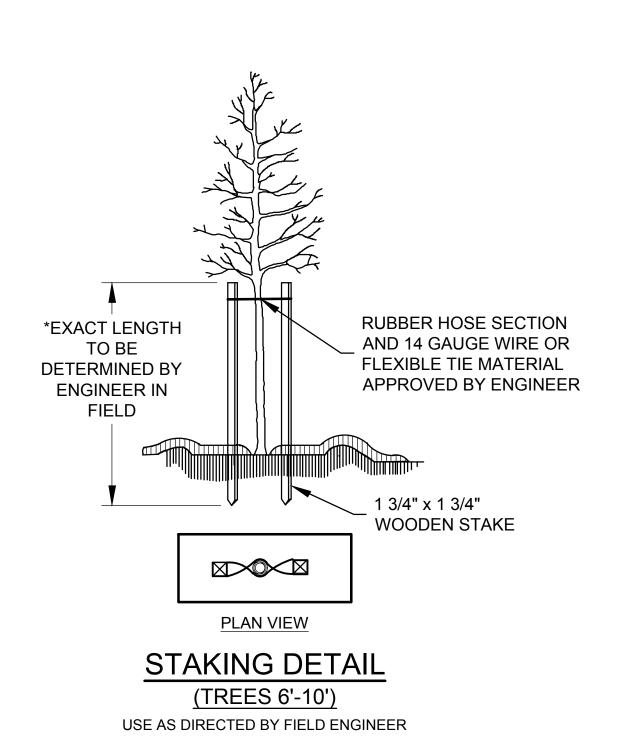
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

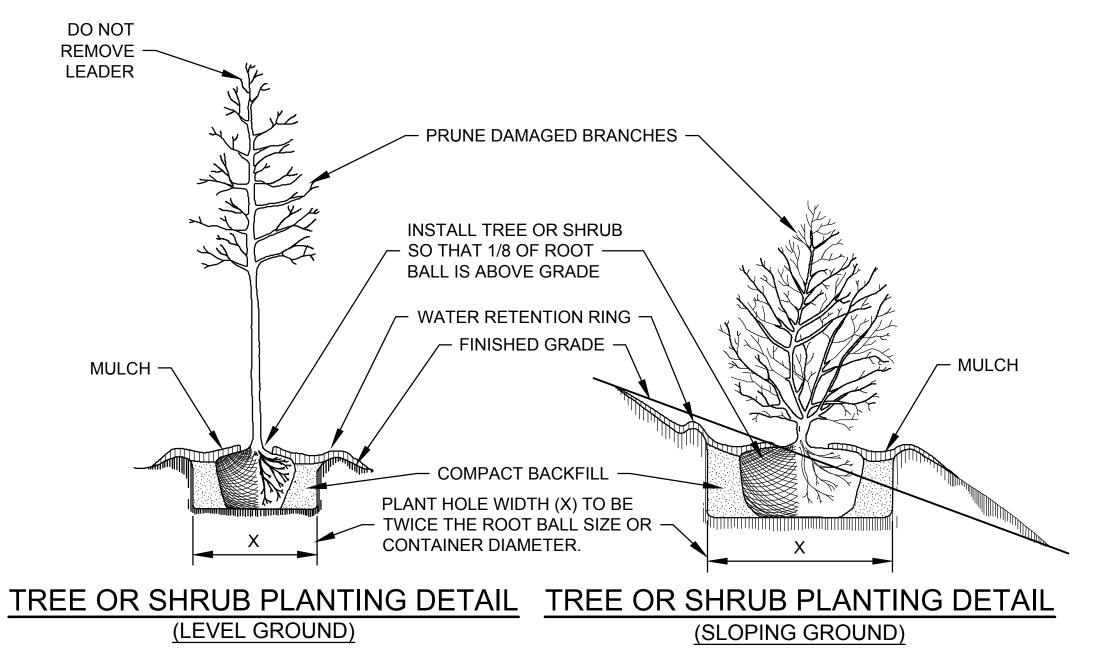
STATE OF

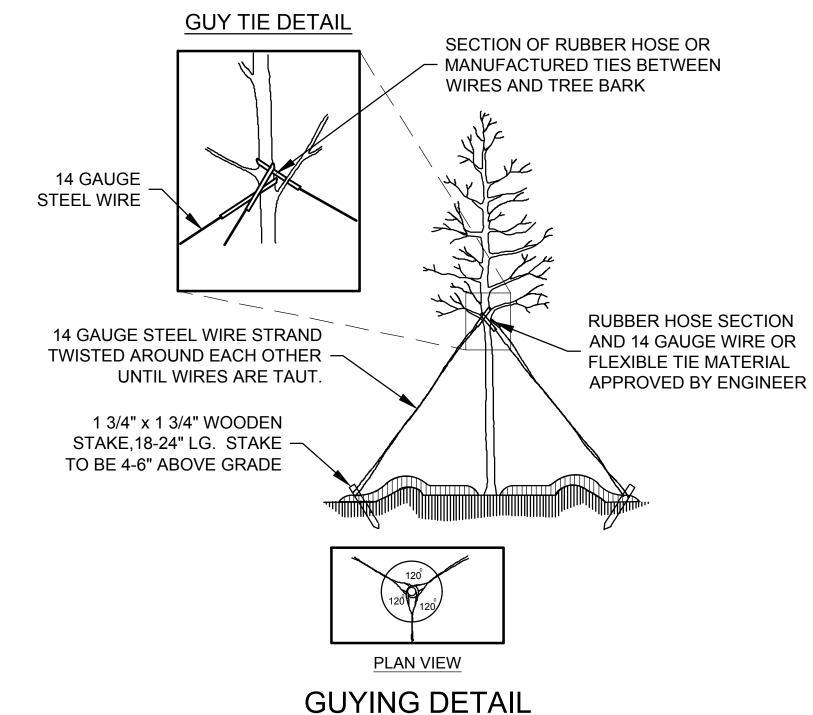
NCDOT Roadway Enhancement at S Sterling St **DIVISION:** 55 Orange Street, LOCATION: ADDRESS: and Interstate 40 Interchange Exit 105 Asheville, NC 28801 TYPE OF WORK: LANDSCAPE DEVELOPMENT Mark Gibbs, PE DIV. ENG: DIV. ROADSIDE Jeff Wait COUNTY: BURKE

LANDSCAPE ARCHITECTURE

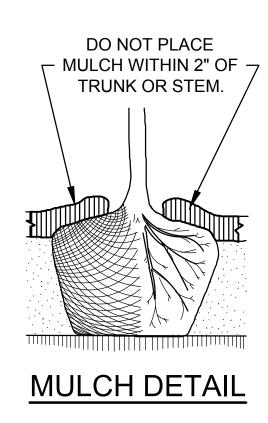
CIVIL ENGINEERING LAND PLANNING

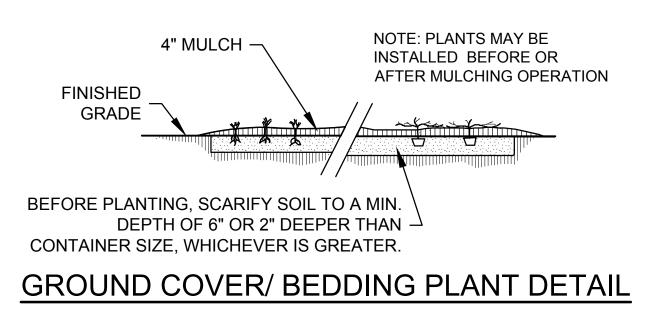


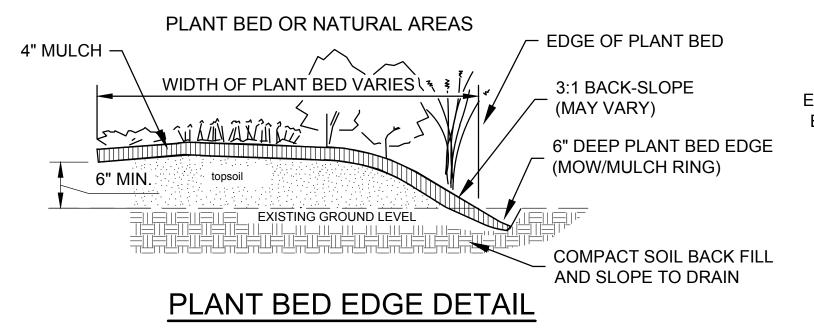




(TREES 10' OR LARGER) USE AS DIRECTED BY FIELD ENGINEER



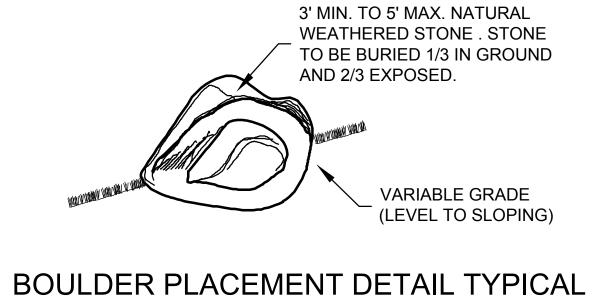




LOCATE PLANT MATERIAL BEHIND GUARDRAIL AT A DISTANCE EQUAL TO ITS RECOMMENDED **GUARDRAIL** SPACING (SEE PLAN), UNLESS OTHERWISE DIRECTED BY ENGINEER. **EXTEND MULCH TO FRONT** EDGE OF THE GUARDRAIL OR TO PAVEMENT EDGE OF TRAVELWAY. PLANT SPACING PLANT SPACING **GUARDRAIL MULCHING DETAIL**

USE AS DIRECTED BY FIELD ENGINEER

NOTE: PLANT HOLE WIDTH (X) INSTALL SHRUB SO THAT 1/8 OF TO BE TWICE THE ROOT BALL ROOT BALL IS ABOVE FINISH GRADE. SIZE OR CONTAINER DIAMETER. WATER RETENTION RING -FINISHED GRADE COMPACT BACKFILL SCARIFY BED TO A MINIMUM DEPTH OF 6" SHRUB BED PLANTING DETAIL

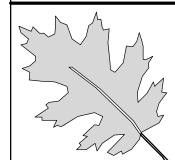




RIVERSTONE DITCH LINING DETAIL

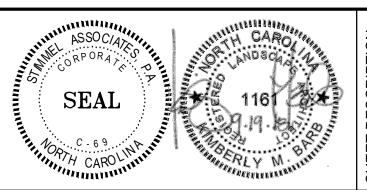
DETAIL NOTES

- SCHEDULE FOR PLANT HOLE SIZE:PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER.BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
- REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
- ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
- DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.











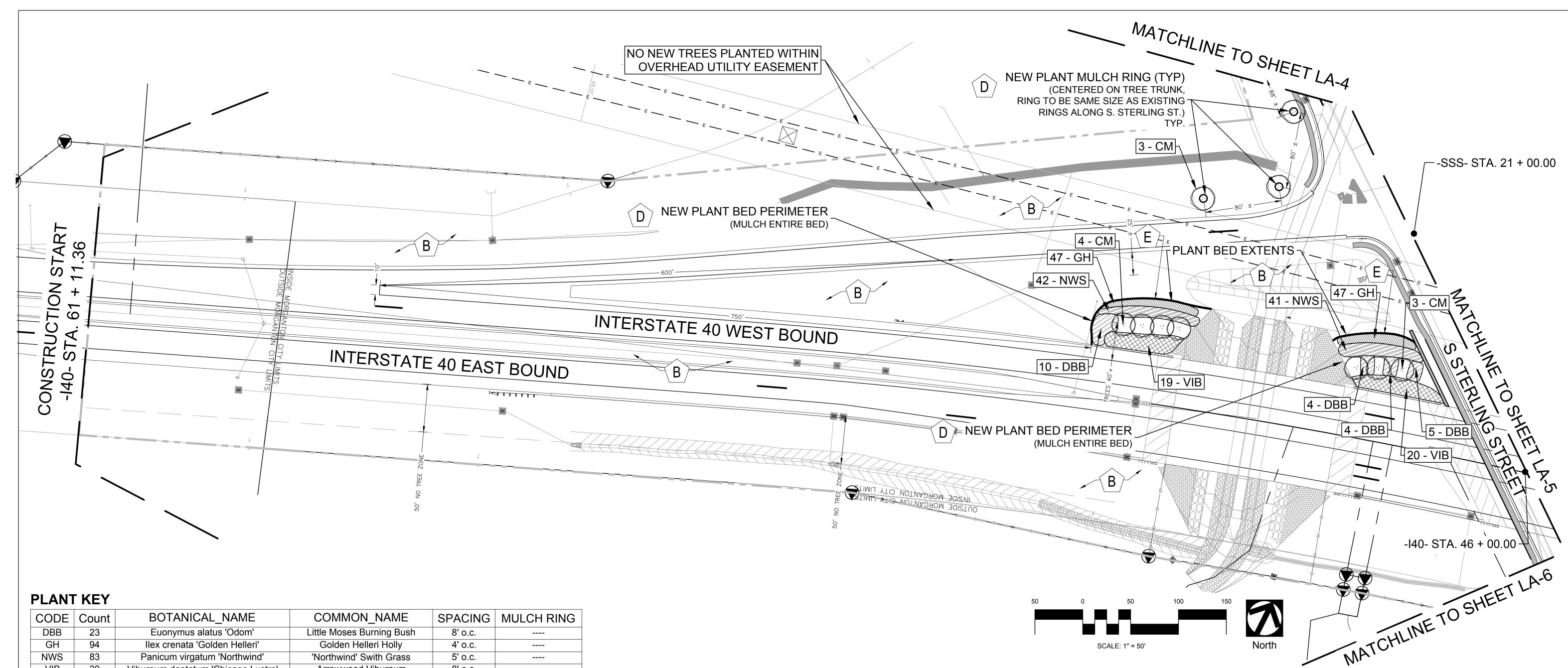
Landscape Planting

PRELIMINARY DESIGN DATE: FINAL DESIGN DATE 09/01/15 09/19/18 ER-5600MC - WBS #: 46305.3.63

DIVISION AND COUNTY:

Division 13 - Burke County



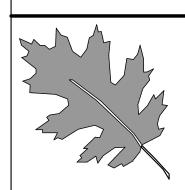


Arrowwood Viburnum 8' o.c. VIB 39 Viburnum dentatum 'Chicago Lustre' AS NOTED Muskogee Crape Myrtle 8' dia. CM Lagerstroeomia indica x fauriei 'Muskogee' DESCRIPTION NOTE QUANTITY Mulch this sheet 135.89 C.Y. Mid-sized Rip Rap (4-8" angular rock) С Small Winding River Rounds ($\frac{1}{3}$ of area) 3-4'w x 2'ht Sized Large Boulders C1 C1 1.5-2'w x 1'ht Sized Medium Boulders C2 Geo-textile Weed Barrier Fabric

6" Metal Plant Bed Edge at Bottom of Beds

SEE COVER SHEET FOR DETAILED DESCRIPTION.

198 LF











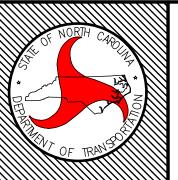
Landscape Planting

PRELIMINARY DESIGN DATE: FINAL DESIGN DATE: 09/01/15 09/19/18

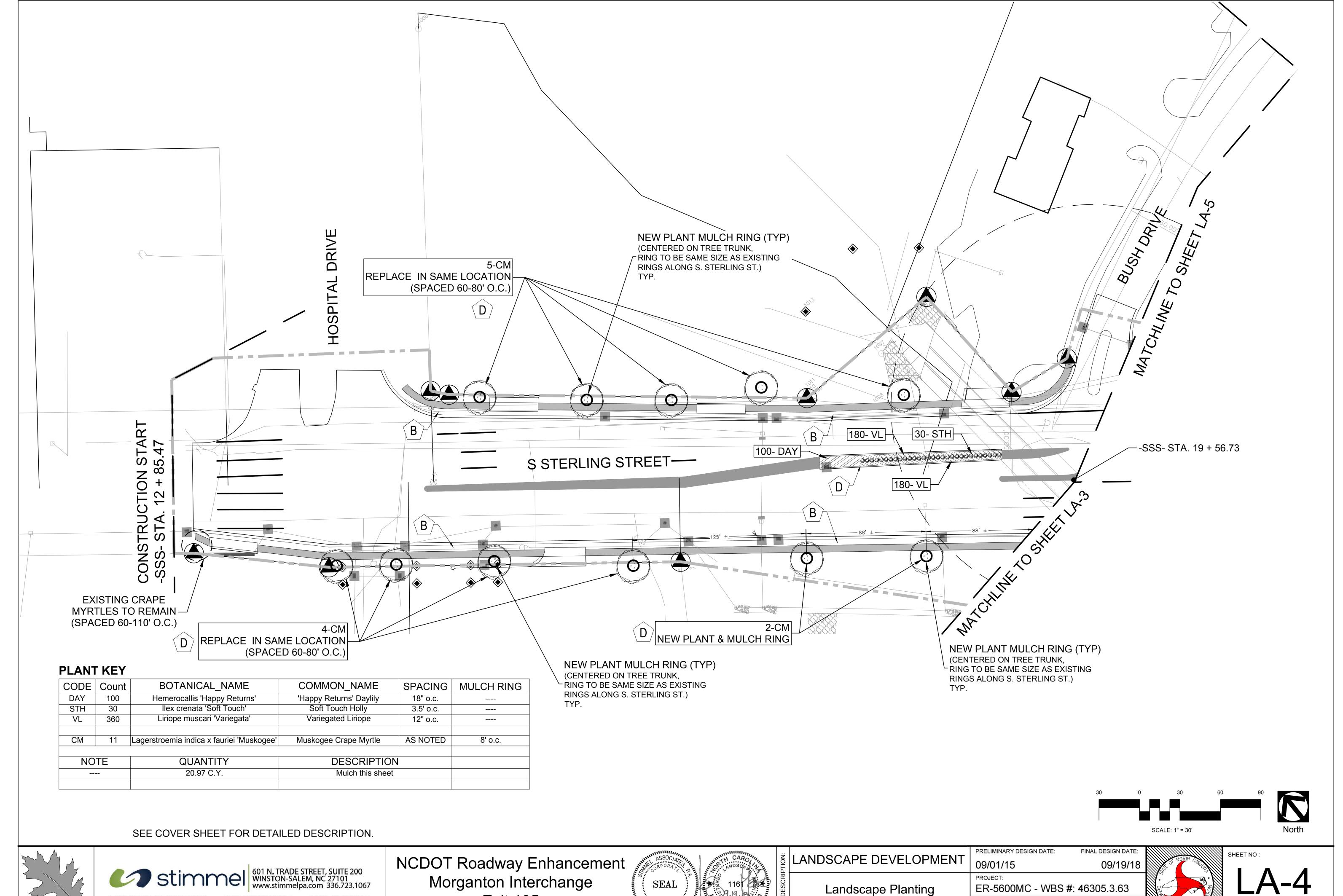
PROJECT: ER-5600MC - WBS #: 46305.3.63

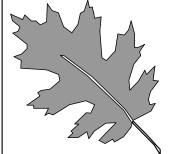
DIVISION AND COUNTY:

Division 13 - Burke County







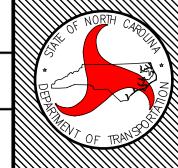




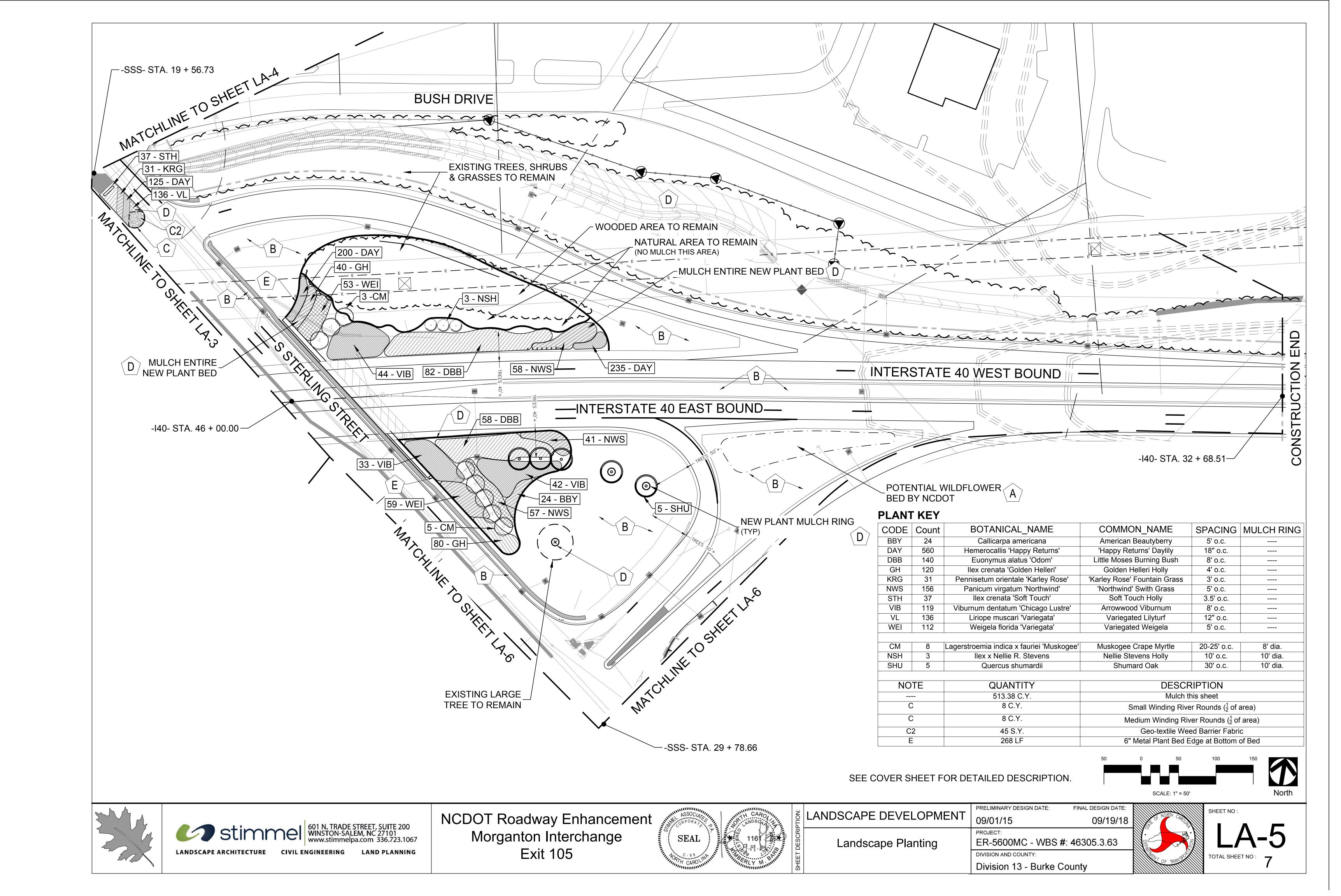
Morganton Interchange **Exit 105**

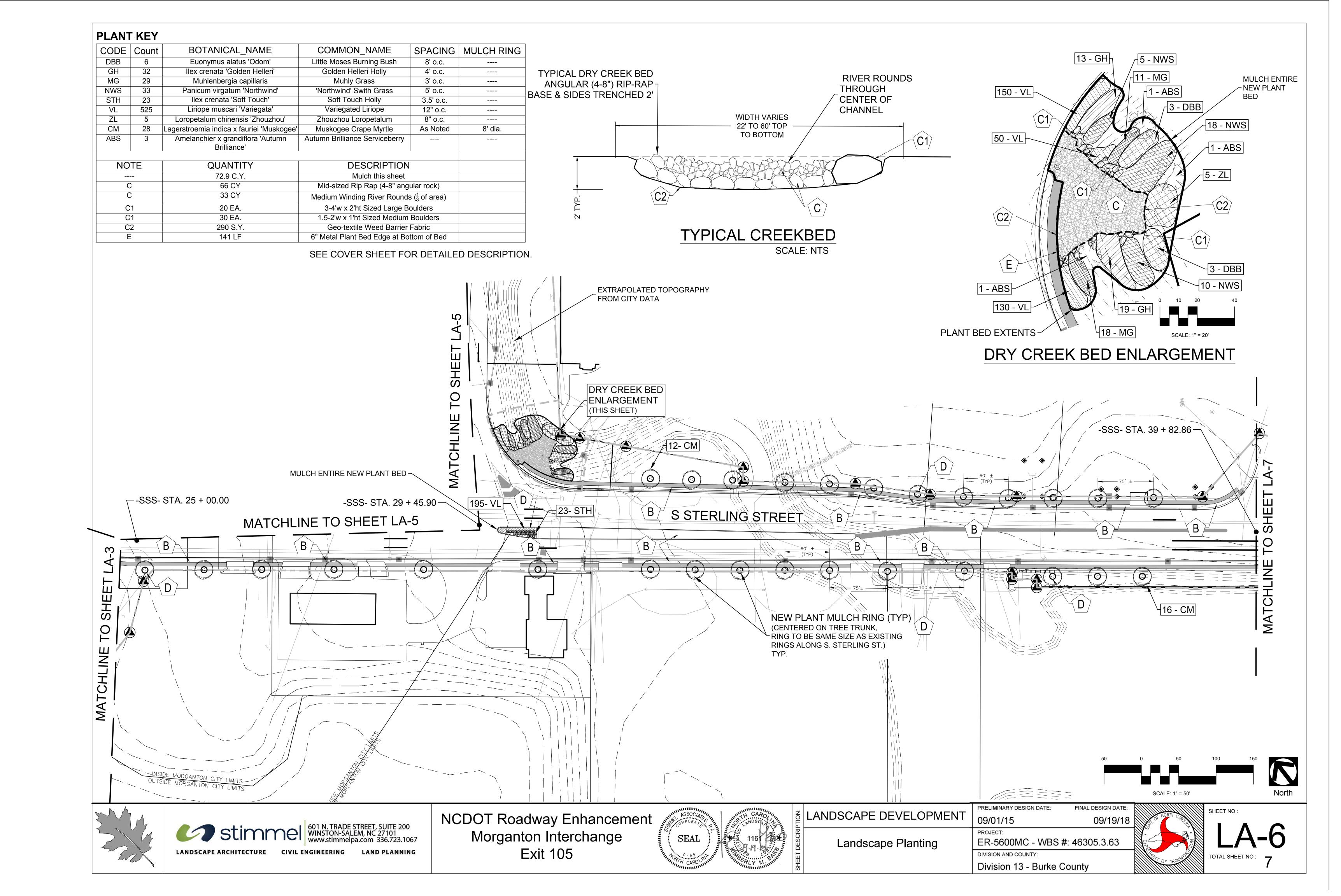


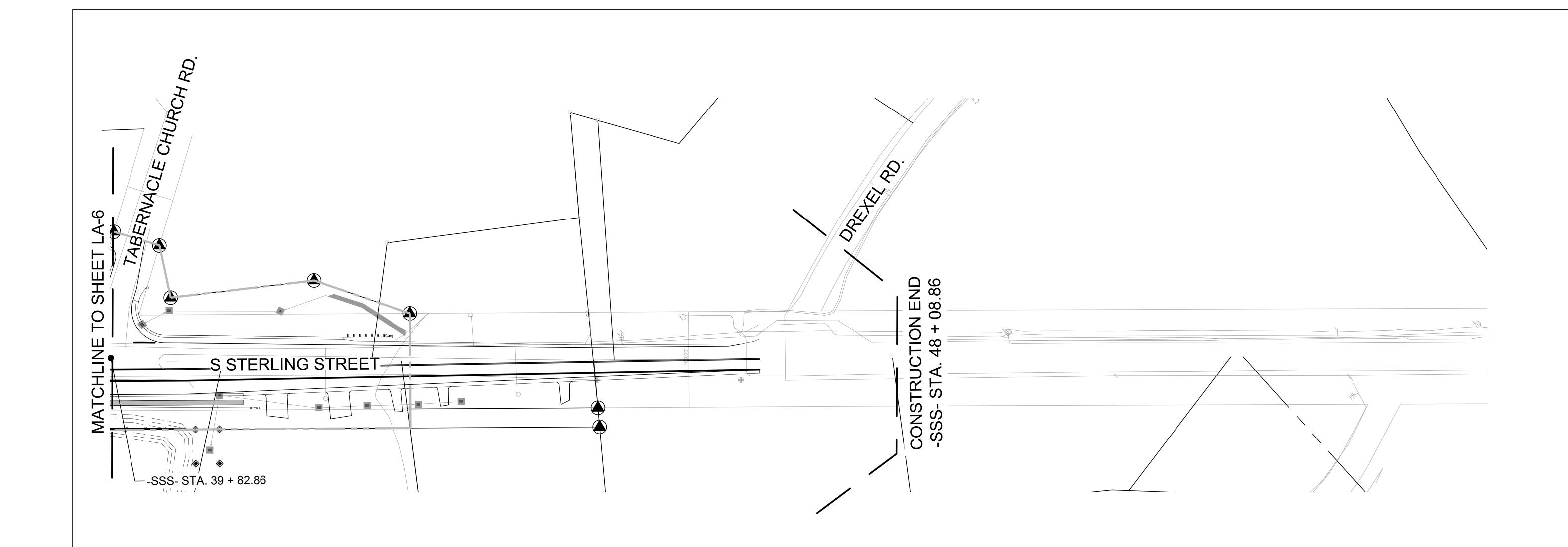
ER-5600MC - WBS #: 46305.3.63 DIVISION AND COUNTY: Division 13 - Burke County







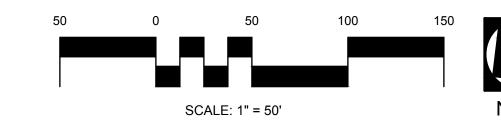


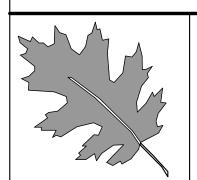


PLANT KEY

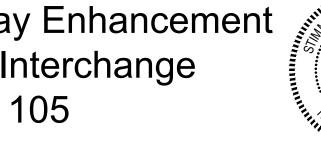
CODE	Count	BOTANICAL_NAME	COMMON_NAME	SPACING				
	NO NEW PLANTINGS THIS SHEET							
NOTE		QUANTITY	DESCRIPTION					
		0 C.Y.	Mulch this sheet					

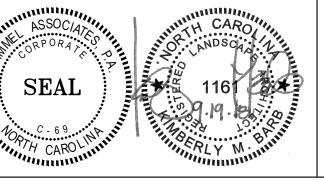
SEE COVER SHEET FOR DETAILED DESCRIPTION.













Landscape Planting

09/01/15 ER-5600MC - WBS #: 46305.3.63 DIVISION AND COUNTY:

Division 13 - Burke County

FINAL DESIGN DATE:

PRELIMINARY DESIGN DATE:

