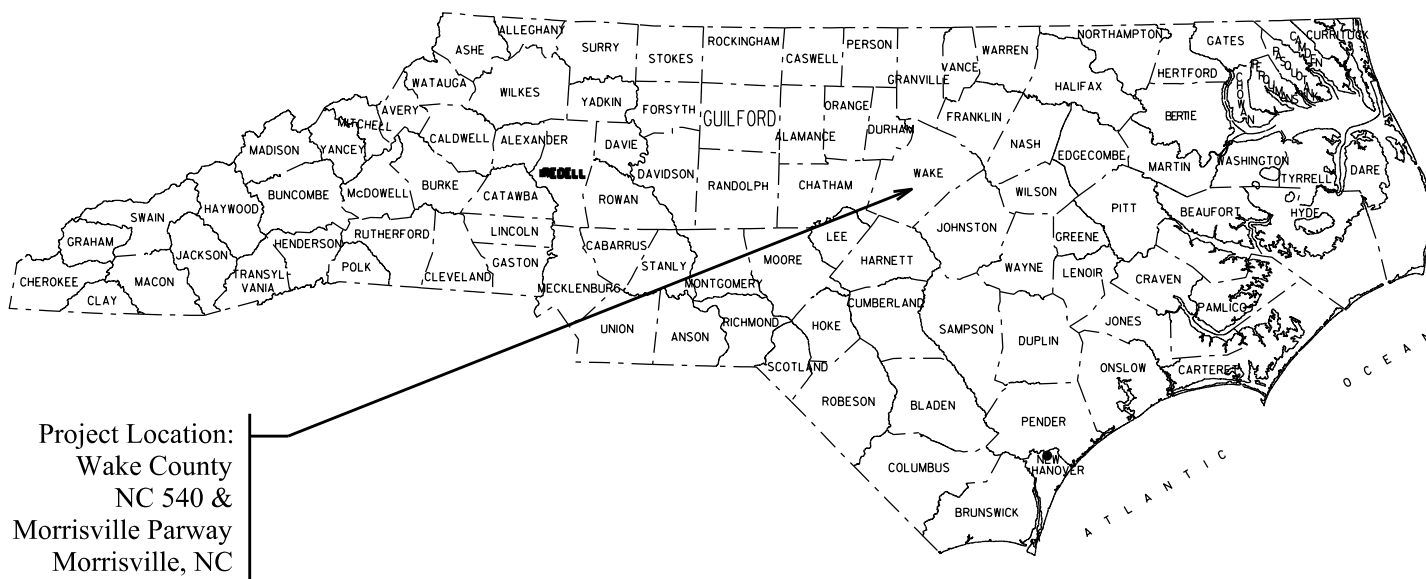
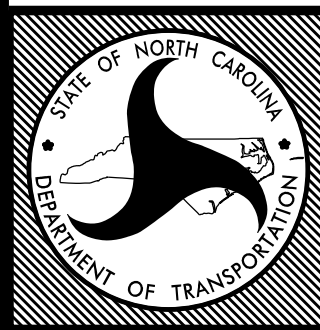
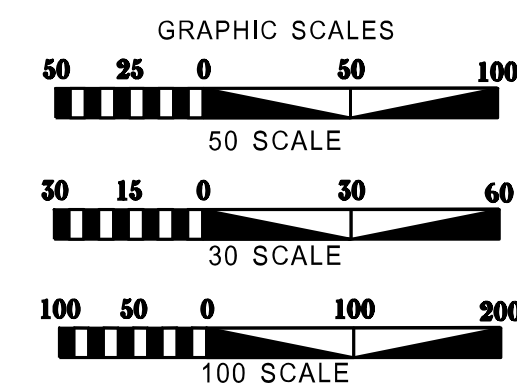


Triangle Expressway Enhancements & Aesthetics
Wake County
Morrisville Parkway, North Carolina

PROJECT: U-5315A/U-5315B
45429.3.3



County Line	
City or Town Line	
Exist. Right of Way Line Marker	
Prop. Right of Way Line Marker (By Others)	
Prop Right of Way Line Marker (By Contract)	
Exist. Control of Access Line	
Prop. Control of Access Line	
Property Line	
Easement Line	
Slope Stake Line	
Exist. Fence	
Prop. Woven Wire Fence	
Prop. Chain Link Fence	
Exist. Road	
Prop. Road	
Guardrail	
Survey Line	
Denotes Line Equality	
Bridge	
Culvert	
Railroad	
Woods	
Exist. Telephone Pole	
Prop. Telephone Pole	
Tower Pole and Line	
Exist. Power Pole	
Prop. Power Pole	
Sanitary Sewer Line	
Water Line	
Gas Line	
Picnic Shelter	
Regeneration	
Reforestation	
Large Deciduous Tree	
Evergreen Tree	
Small or Flowering Tree	
Shrubs	
Planting Bed	

[illegible]

Designed By: Jeff Lackey 4/2020

REVISIONS

DATE	DESCRIPTION

INDEX OF (L) SHEETS:

L1A - TITLE SHEET
L1B - PLANTING DETAILS
L1C - ROADSIDE DETAILS
L1D - SHEET LAYOUT PLAN / SYMBOLOGY

(WEST WAKE EXPRESSWAY TOLL)

L1 - LANDSCAPE PLANTING PLAN
L1-L - LAYOUT PLAN

SHEET LAYOUT PLANS - (MORRISVILLE PARKWAY)

L2 - LANDSCAPE SHEET PLAN
L3 - LANDSCAPE PLANTING PLAN
L3-L - LAYOUT PLAN
L4 - LANDSCAPE PLANTING PLAN
L4-L - LAYOUT PLAN
L5 - LANDSCAPE PLANTING PLAN

STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: Morrisville Parkway & NC 540 Triangle Expressway

TYPE of WORK: LANDMARK Corridor Enhancement Design & Development

COUNTY: **WAKE COUNTY**

2018 STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

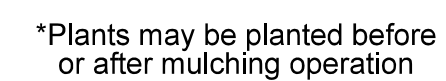


(SLOPING GROUND)



(FOR TREES 10' OR LARGER)

* Utilize gaging detail only if requested by the Engineer.



Groundcover Planting Detail

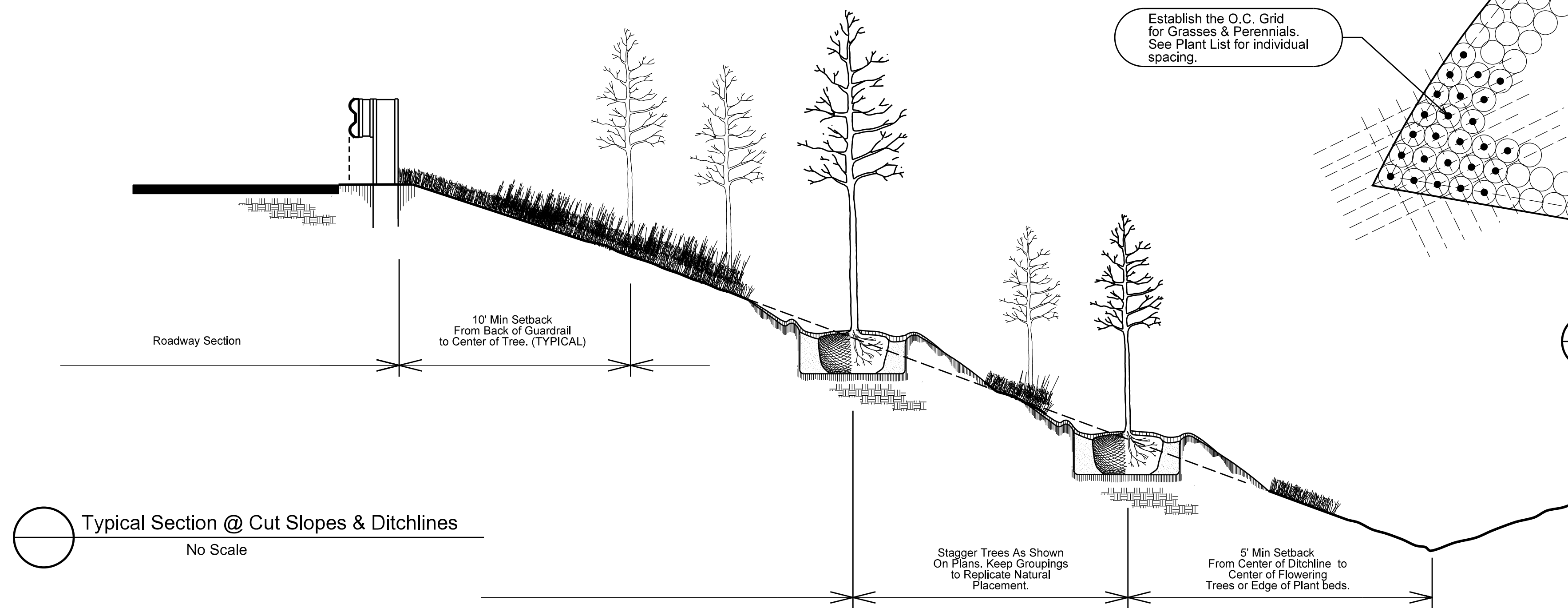


* Detail to be used when approved by the Engineer.



(FOR TREES 6' TO 10')

* Utilize staking detail only if requested by the Engineer.



Align Grasses around the edge of plant bed to establish GRID. Start center of grasses & perennials half the spacing distance from edge of plant bed

Establish the O.C. Grid
for Grasses & Perennials.
See Plant List for individual
spacing.

TYPICAL CONNECTION
TO PLANT BED & BRICK
LANDSCAPE EDGING. SEE
SHEET L1C FOR DETAILS.

Typical Plan View @ Layout for Native Grass
& Perennial Plantings

No Scale

Typical Section @ Cut Slopes & Ditchlines

No Scale

Stagger Trees As Shown
On Plans. Keep Groupings
to Replicate Natural
Placement.

5' Min Setback
From Center of Ditchline to
Center of Flowering
Trees or Edge of Plant beds.

NOTES:

SCHEDULE FOR PLANT HOLE SIZE:
CONTAINER OR ROOT BALL SIZE

X = 2 TIMES THE DIAMETER OF THE CONTAINER
OR THE ROOT BALL DIAMETER

FERTILIZER SHALL BE APPLIED AT TIME OF PLANTING..
FERTILIZER SHALL BE A SLOW RELEASE PELLET OR
TABLET. FORMULATION SHALL BE APPROVED BY ENGINEER
IN THE FIELD.

RATES SHALL BE PER MANUFACTURERS RECOMMENDATIONS
AND APPROVED BY THE ENGINEER IN THE FIELD.
THOROUGHLY MIX WITH TOPSOIL , BACKFILL OR
SCARIFIED SOIL.

REMOVE BURLAP FROM TOP OF BALL BEFORE
BACKFILLING AROUND BALL IS COMPLETE

SEE STANDARD SPECIFICATIONS FOR PLANT
BED HERBICIDE TREATMENT

When mulched bed is adjacent to guard rail run mulch to front edge of guard rail - see detail

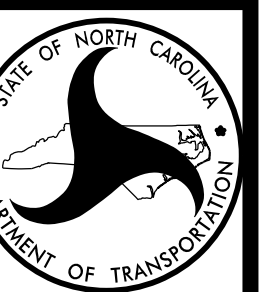
SHEET NO.

1B

PROJECT REF. NO.

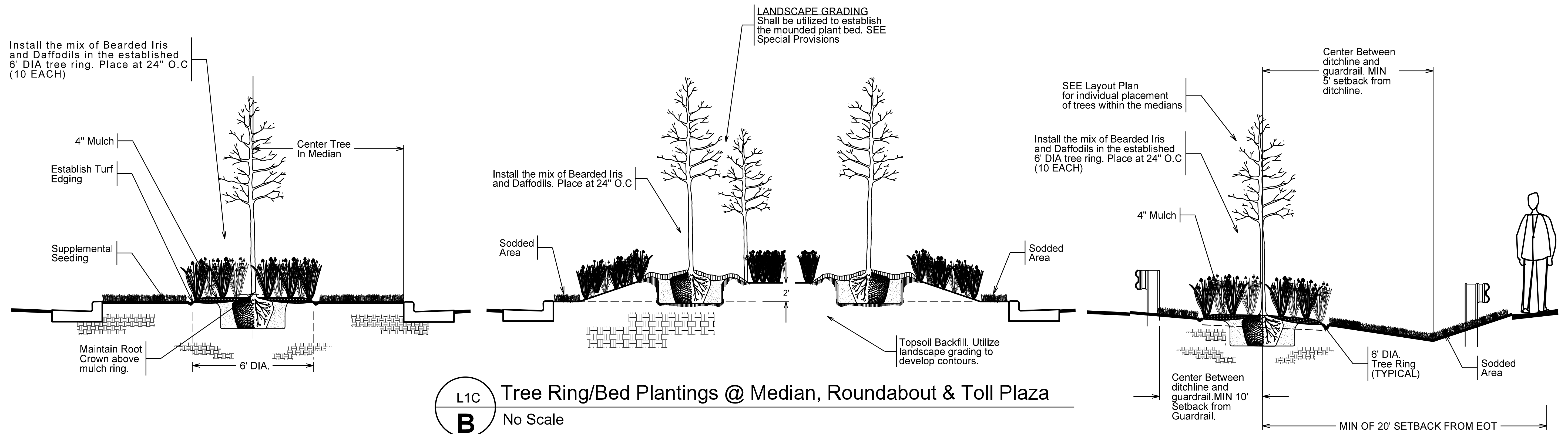
5315 MOPAR TRI

Triangle Expressway Enhancements & Aesthetics
Wake County
Morrisville Parkway & NC 540, North Carolina



N.C. Department of Transportation
Roadside Environmental Unit - Aesthetic Engineering Section
Planting Details

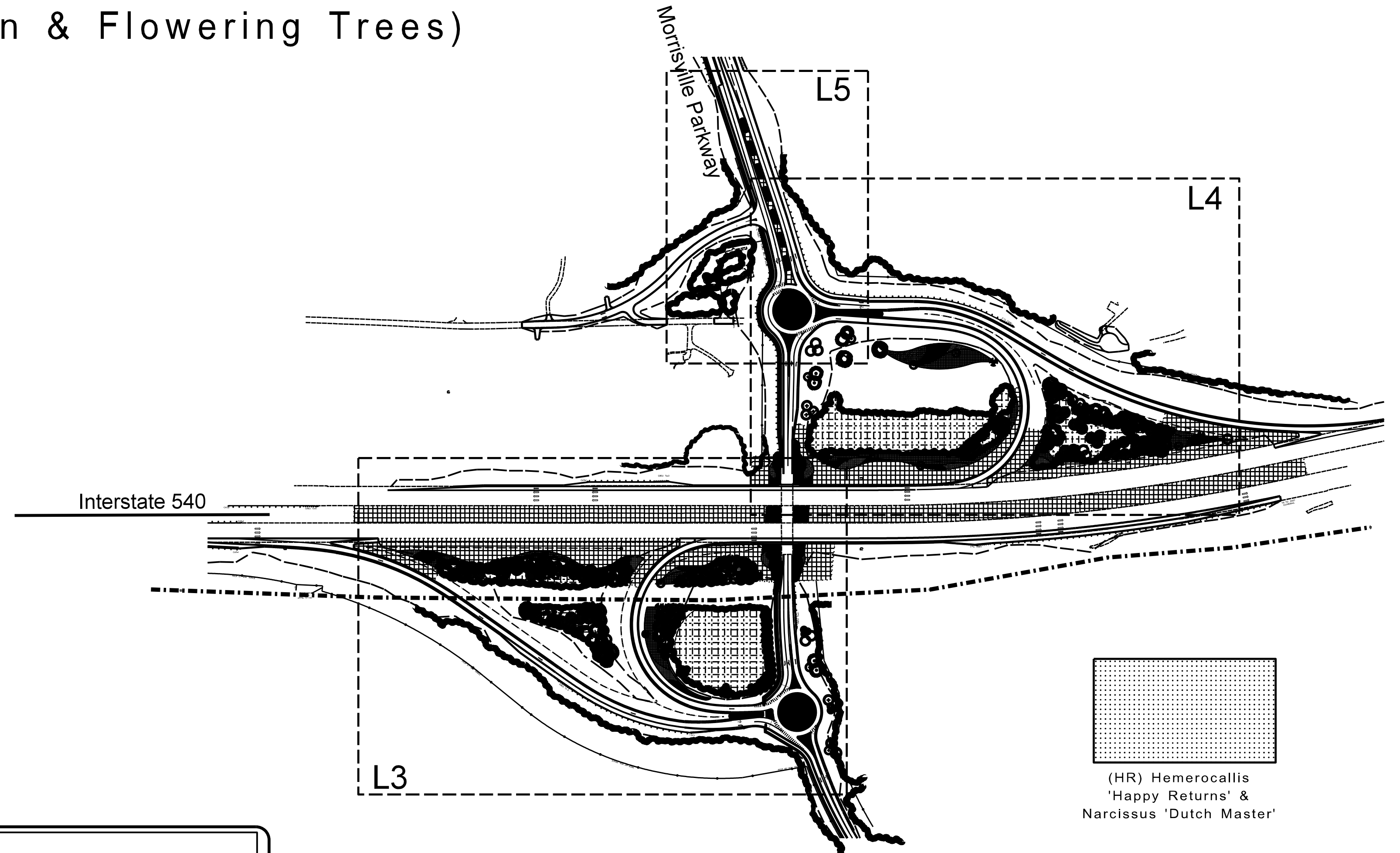
LIB



SHEET NO.
LD
PROJECT REF. NO.
U-5315 MOPAR TRI

Triangle Expressway Enhancements & Aesthetics
Wake County
Morrisville Parkway & NC 540, North Carolina

-SVR (Selective Vegetation Removal) shall be utilized in those areas identified on the plans.



(QSL)
Quercus shumardii

(QAL)
Quercus alba

(ARL)
Acer rubrum
'October Glory'

(TDL)
Taxodium distichum
'Bald Cypress'

(NSL)
Nyssa sylvatica
'Wildfire'

(ABL)
Acer rubrum
'Autumn Blaze'

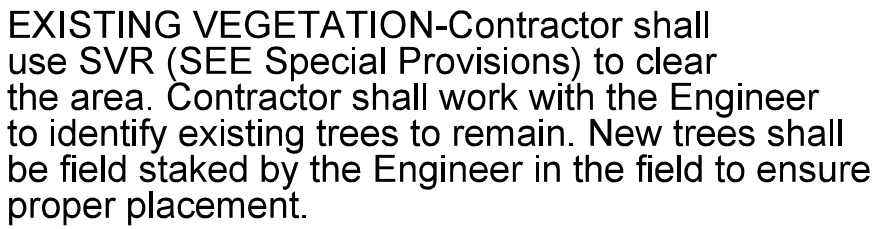
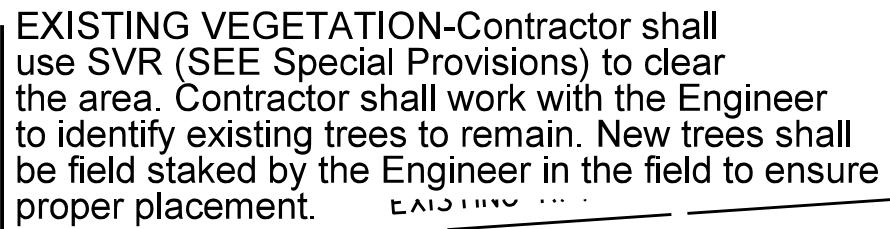
(QCL)
Quercus coccinea

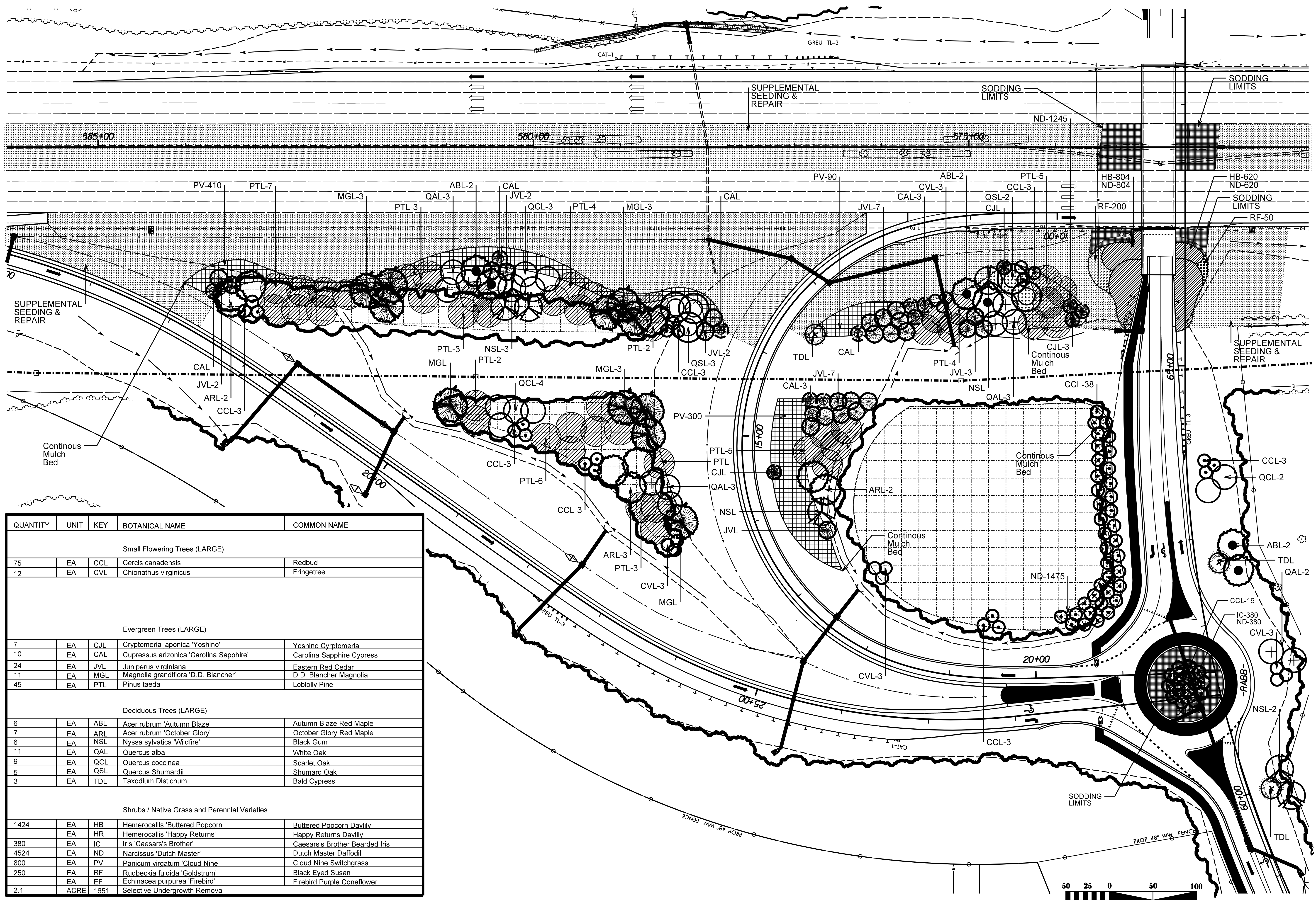
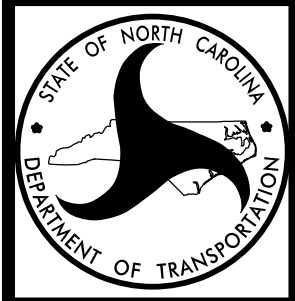
Small
Deciduous
Tree(s)

Large
Deciduous
Tree(s)



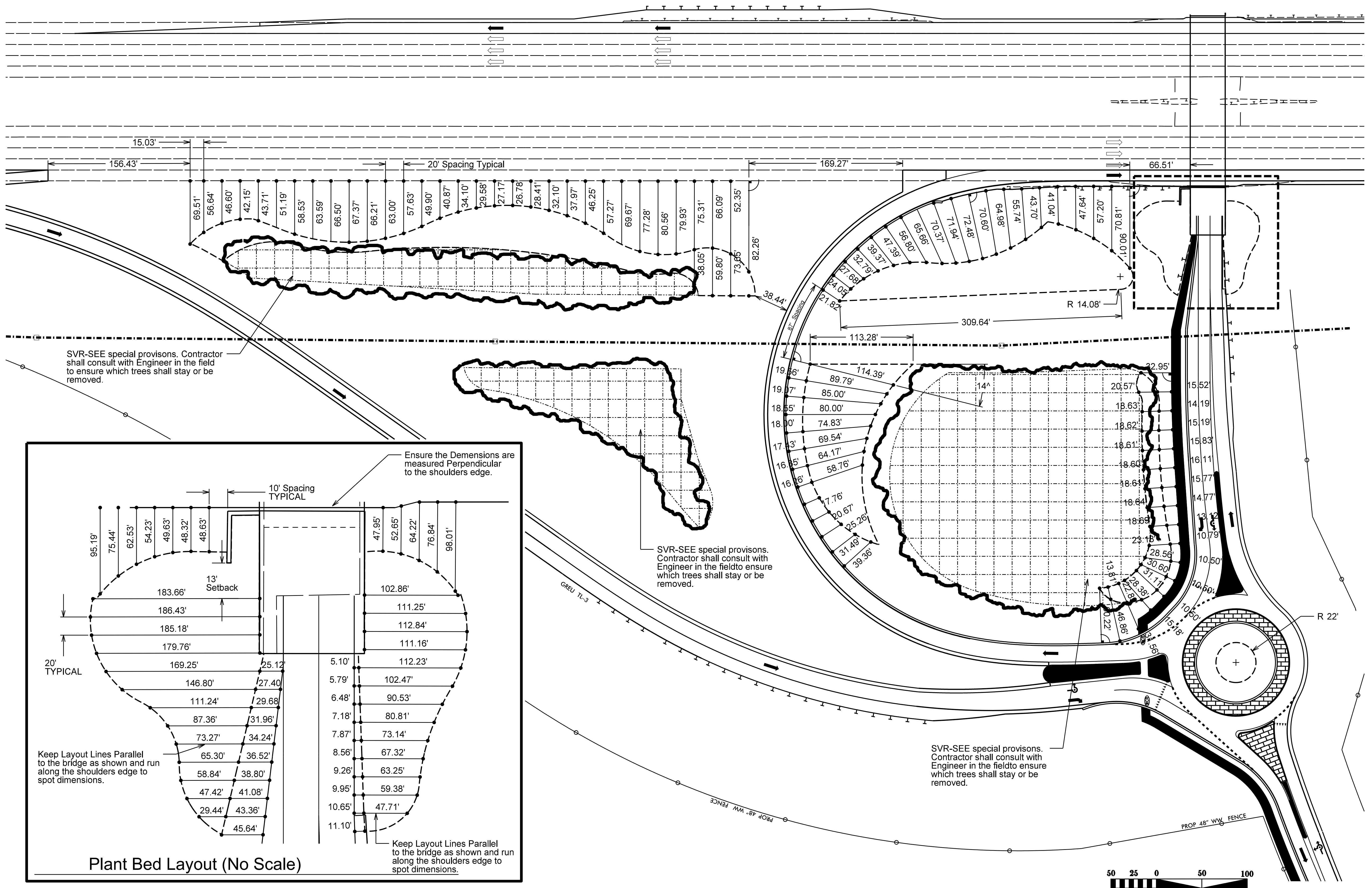






07/09/97

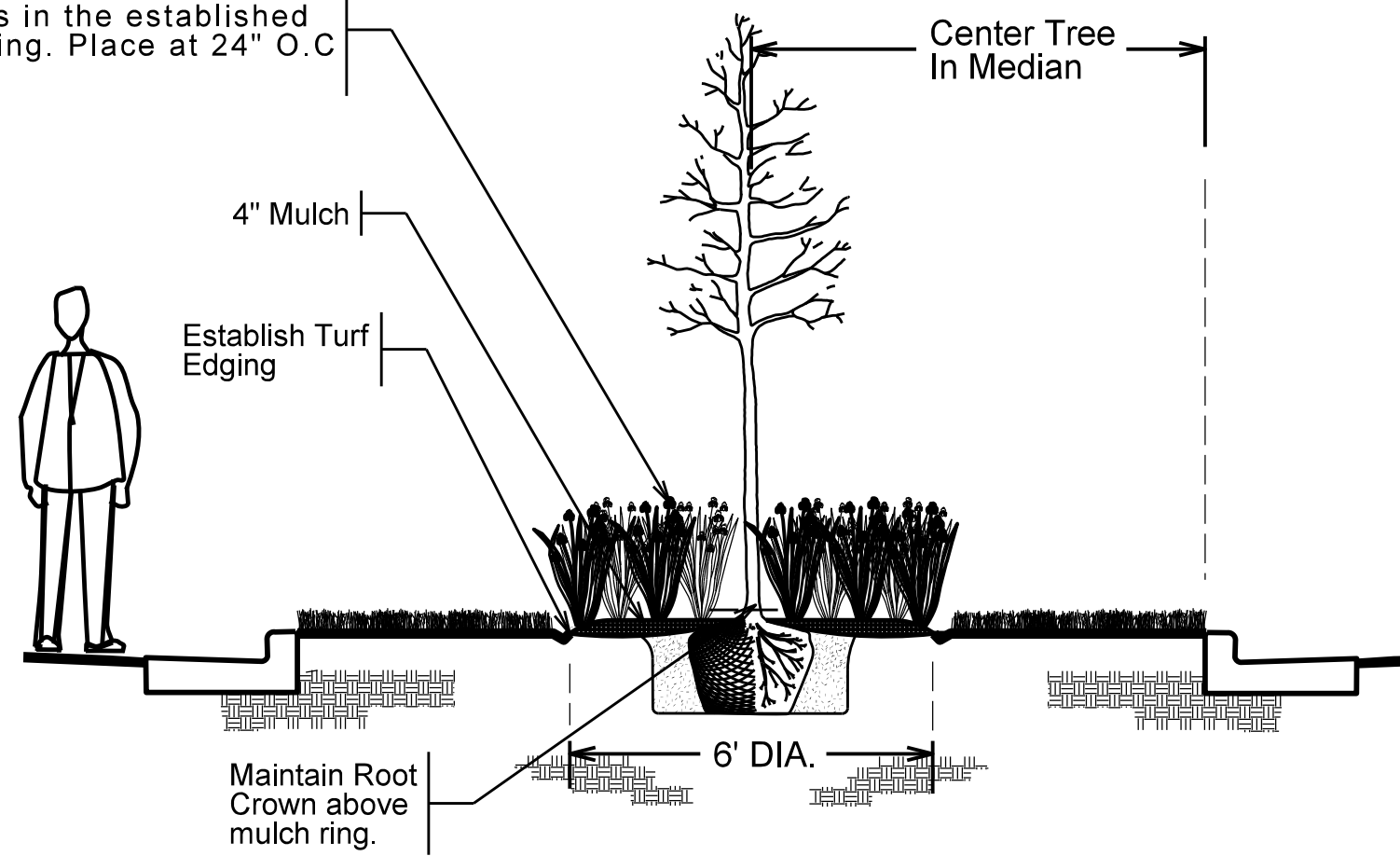
SYSTEMS
DESIGN
DRAWING



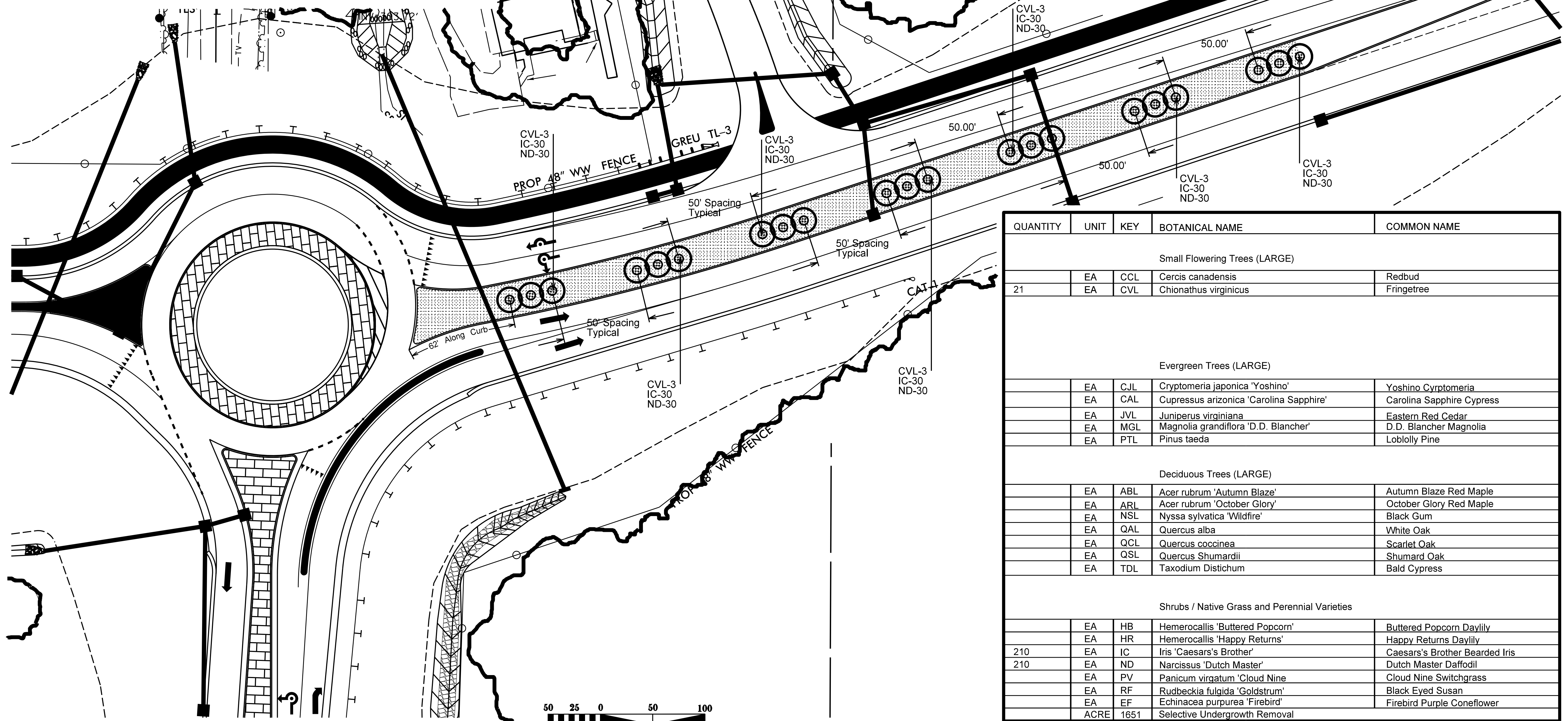
QUANTITY	UNIT	KEY	BOTANICAL NAME	COMMON NAME
Small Flowering Trees (LARGE)				
25	EA	CCL	Cercis canadensis	Redbud
3	EA	CVL	Chionathus virginicus	Fringetree
Evergreen Trees (LARGE)				
5	EA	CJL	Cryptomeria japonica 'Yoshino'	Yoshino Cyprtomeria
7	EA	CAL	Cupressus arizonica 'Carolina Sapphire'	Carolina Sapphire Cypress
11	EA	JVL	Juniperus virginiana	Eastern Red Cedar
8	EA	MGL	Magnolia grandiflora 'D.D. Blancher'	D.D. Blancher Magnolia
39	EA	PTL	Pinus taeda	Loblolly Pine
Deciduous Trees (LARGE)				
4	EA	ABL	Acer rubrum 'Autumn Blaze'	Autumn Blaze Red Maple
1	EA	ARL	Acer rubrum 'October Glory'	October Glory Red Maple
1	EA	NSL	Nyssa sylvatica 'Wildfire'	Black Gum
6	EA	QAL	Quercus alba	White Oak
6	EA	QCL	Quercus coccinea	Scarlet Oak
3	EA	QSL	Quercus Shumardii	Shumard Oak
8	EA	TDL	Taxodium Distichum	Bald Cypress
Shrubs / Native Grass and Perennial Varieties				
1335	EA	HB	Hemerocallis 'Buttered Popcorn'	Buttered Popcorn Davilyl
	EA	HR	Hemerocallis 'Happy Returns'	Happy Returns Davilyl
380	EA	IC	Iris 'Caesars's Brother'	Caesars's Brother Bearded Iris
1715	EA	ND	Narcissus 'Dutch Master'	Dutch Master Daffodil
1120	EA	PV	Panicum virgatum 'Cloud Nine	Cloud Nine Switchgrass
490	EA	RF	Rudbeckia fulgida 'Goldstrum'	Black Eyed Susan
	EA	EF	Echinacea purpurea 'Firebird'	Firebird Purple Coneflower
2.6	ACRE	1651	Selective Undergrowth Removal	

07/09/97

Install the mix of Bearded Iris and Daffodils in the established 6' DIA tree ring. Place at 24" O.C (10 EACH)



Tree Ring Plantings @ Median & Toll Plaza
No Scale



QUANTITY	UNIT	KEY	BOTANICAL NAME	COMMON NAME
Small Flowering Trees (LARGE)				
21	EA	CCL	Cercis canadensis	Redbud
	EA	CVL	Chionathus virginicus	Fringetree
Evergreen Trees (LARGE)				
	EA	CJL	Cryptomeria japonica 'Yoshino'	Yoshino Cyprtomeria
	EA	CAL	Cupressus arizonica 'Carolina Sapphire'	Carolina Sapphire Cypress
	EA	JVL	Juniperus virginiana	Eastern Red Cedar
	EA	MGL	Magnolia grandiflora 'D.D. Blancher'	D.D. Blancher Magnolia
	EA	PTL	Pinus taeda	Loblolly Pine
Deciduous Trees (LARGE)				
	EA	ABL	Acer rubrum 'Autumn Blaze'	Autumn Blaze Red Maple
	EA	ARL	Acer rubrum 'October Glory'	October Glory Red Maple
	EA	NSL	Nyssa sylvatica 'Wildfire'	Black Gum
	EA	QAL	Quercus alba	White Oak
	EA	QCL	Quercus coccinea	Scarlet Oak
	EA	QSL	Quercus shumardii	Shumard Oak
	EA	TDL	Taxodium distichum	Bald Cypress
Shrubs / Native Grass and Perennial Varieties				
	EA	HB	Hemerocallis 'Buttered Popcorn'	Buttered Popcorn Daylily
	EA	HR	Hemerocallis 'Happy Returns'	Happy Returns Daylily
210	EA	IC	Iris 'Caesars's Brother'	Caesars's Brother Bearded Iris
210	EA	ND	Narcissus 'Dutch Master'	Dutch Master Daffodil
	EA	PV	Panicum virgatum 'Cloud Nine'	Cloud Nine Switchgrass
	EA	RF	Rudbeckia fulgida 'Goldstrum'	Black Eyed Susan
	EA	EF	Echinacea purpurea 'Firebird'	Firebird Purple Coneflower
	ACRE	1651	Selective Undergrowth Removal	

