

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLAN FOR PROPOSED
HIGHWAY LANDSCAPE DEVELOPMENT

REHAB PROJECT FOR:
Final Four Landscaping
Billy Graham and Tyvola Road
Interchange
Mecklenburg County - Charlotte

and shall be installed
therwise noted.
~~For Bedding Plants~~
d as follows:
d disposed of.
y method approved by

endment or compost
) lbs. per 100 sq. ft.
- 3 lbs. per 100 sq. ft.
+ 2 lbs. per 100 sq. ft.
g engineer.
to a depth of 8". Soil
d to form a consistent

ed not to exceed 1/2" in

ots per sq. ft.) and shall
n of plant to soil level.
mulch pulled back around

ly following planting
go unwatered overnight.

nsies installed and
he beds shall be the

Summary of Quantities

QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	FLUPISH	ASNS	SPACING
76	EA	AR	<i>Acer rubrum</i> 'X' 'Armstrong'	Armstrong Maple	2-2 1/2" Cal., 12-14', B&B	1.1.3.1	6' O.C. in groups
208	EA	EP	<i>Elaeagnus pungens</i>	Thorny Elaeagnus	18-24", #3 Cont.	4.1.3.4	6' O.C.
260	EA	HS	<i>Hemodorum</i> 'Stella d'ora'	Stella d'ora Daylily	#1 Cont.	NA	2' O.C.
21	EA	IN	<i>Ilex</i> 'Nollis R. Stevens'	Nellis R. Stevens Holly	8-9', B&B, Heavy, To Ground, No Galls	4.1.3.5	10' O.C.
548	EA	LS	<i>Ligustrum sinense</i> 'variegatum'	Variiegated Ligustrum	18-24", #3 Cont., Well branched	4.1.3.4	5' O.C.
123	EA	MG	<i>Magnolia grandiflora</i> 'Select #3'	Select #3 Southern Magnolia	10-12', B&B, Scapions	1.1.3.2	20' O.C. or as shown
1,791	EA	OF	<i>Osmanthus X Fortunei</i>	Fortune Osmanthus	10-14", #1 Cont.	4.1.3.4	5' O.C.
161	EA	PY	<i>Prunus X yodoensis</i>	Yoshino Cherry	3" Cal., G&B, Matched Specimens	1.1.3.3	12' O.C. or as shown
798	EA	SN	<i>Spiraea nipponica</i> 'Snowmound'	Snowmound Spiraea	18-24", #3 Cont.	2.1.5.2	4' O.C.
39,197	EA	VB	<i>Viola X Wittrockiana</i> (F1 Hybrid) - Crystal Bowl Series - Blue - Pansy, 36 Plants/Flat, to be furnished by DOT				8" O.C., 2.6 plants/SF
54,953	EA	VW	<i>Viola X Wittrockiana</i> (F1 Hybrid) - Crystal Bowl Series - White - Pansy, 36 Plants/Flat, to be furnished by DOT				8" O.C., 2.6 plants/SF
123,429	EA	VY	<i>Viola X Wittrockiana</i> (F1 Hybrid) - Crystal Bowl Series - Yellow - Pansy, 36 Plants/Flat, to be furnished by DOT & City				8" O.C., 2.6 plants/SF
81,376	SF		Pansy Bed Preparation and Installation				
7,000	SY		Existing Plant Removal (B&B)				
8	EA		Installation of <i>Magnolia grandiflora</i> 'Select #3', 12-14', B&B, to be furnished by City of Charlotte				
11	EA		Installation of <i>Magnolia grandiflora</i> 'Select #3', 10-12', B&B, to be furnished by City of Charlotte				
60	EA		Installation of <i>Ilex</i> 'Nollis R. Stevens', 8-10', B&B, to be furnished by City of Charlotte				
19,449	SY		Herbicide Treatment				
30	CY		Mulching after Planting				
675	MG		Watering after Planting				

~~Scheduling:~~

- See contract for date of availability.
- Bed preparation for Pansies shall be completed and ready for installation by November 5, 1993.
- Installation of Trees shall begin on November 8, 1993 and shall be completed no later than November 24, 1993.
- Remainder of planting shall be accomplished by January 15, 1994.
- See contract for warranty period.

TIP # ER-2973J

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N. C.	3710.3.01	1	45
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
3710.3.01	STP-000S (425)	CONST	

CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line & Marker	-----
Prop. Right of Way Line & Marker	-----
Survey Line	-----
Property Line	-----
Exist. Fence	-----
Proposed Road	-----
Existing Road	-----
Railroad	-----
Control of Access Line	-----
Slope Stake Line	-----
Bridge	-----
Culvert	-----
Woods	-----
Telephone or Telegraph Pole	-----
Tower Pole and Line	-----
Power Pole	-----
Easement Line	-----
Temporary Silt Fence	-----
Guard Rail	-----
Sanitary Sewer Line	-----
Water Line	-----
Gas Line	-----
Chain Link Fence	-----
Woven Wire Fence	-----
Picnic Table	-----
Water Fountain	-----
Park Stove	-----
Yard Hydrant	-----
Garbage Unit	-----
Large Deciduous Trees	-----
Evergreen Trees	-----
Small or Flowering Trees	-----
Shrubs	-----
Mowing Limits	-----
Regeneration	-----
Reforestation	-----
Planting Bed	-----

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

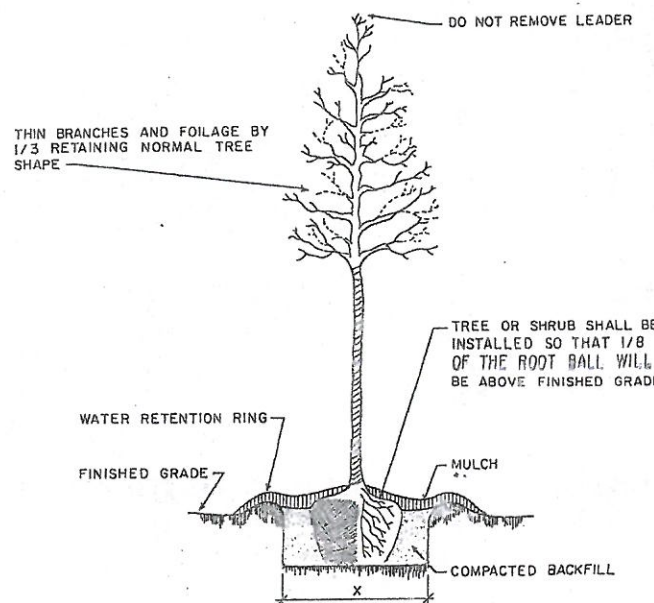
APPROVED _____ P. E.
MANAGER - HIGHWAY DESIGN BRANCH

APPROVED _____ P. E.
CHIEF ENGINEER - OPERATIONS

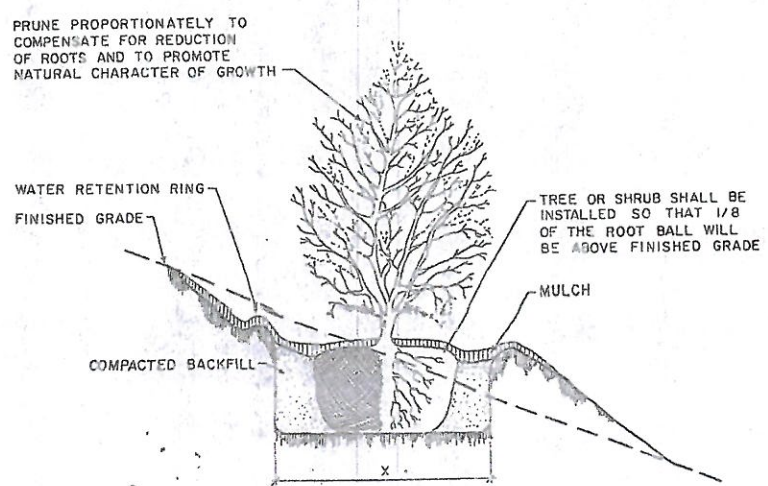
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____ DATE _____
DIVISION ADMINISTRATOR

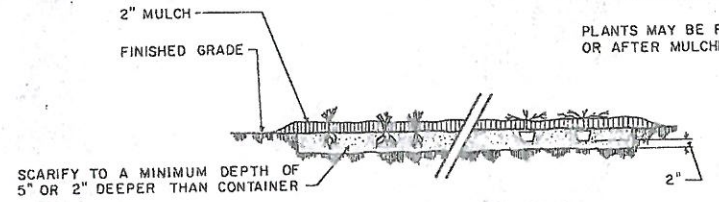
PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
3710.3.01	L-2	5
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION



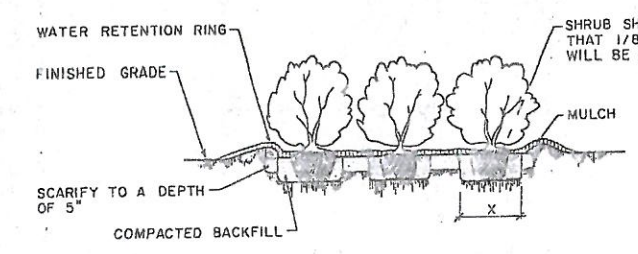
TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)



TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



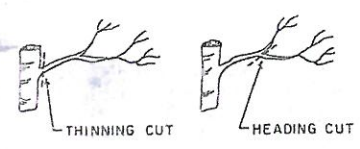
GROUND COVER PLANTING DETAIL



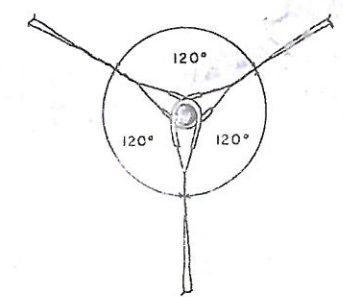
SHRUB BED PLANTING DETAIL

NOTES

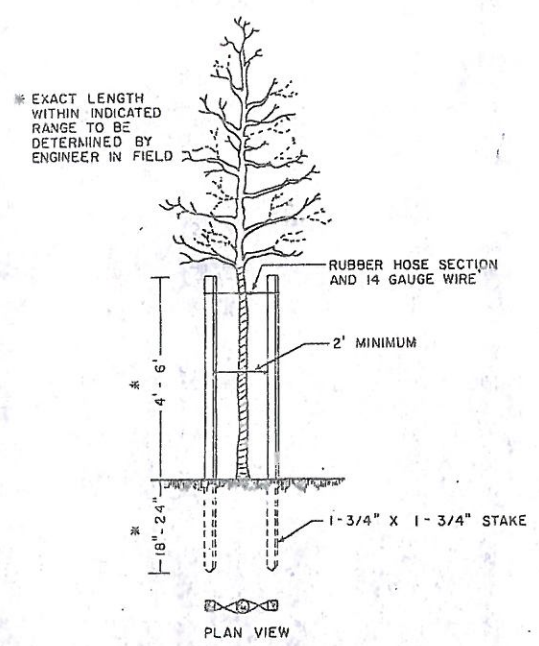
- SCHEDULE FOR PLANT HOLE SIZE: CONTAINER OR ROOT BALL SIZE
X = 2 TIMES THE DIAMETER OF THE CONTAINER OR THE ROOT BALL DIAMETER
- FERTILIZER SCHEDULE:
TREES AND SHRUBS: TWO CUPS COMPOSTED COW MANURE PER 3" OF ROOT BALL OR CONTAINER DIAMETER
GROUND COVERS: ONE GALLON COMPOSTED COW MANURE PER SQUARE YARD OF BED
THOROUGHLY MIX WITH TOPSOIL BACKFILL OR SCARIFIED SOIL
- REMOVE BURLAP FROM TOP OF BALL BEFORE BACKFILLING AROUND BALL IS COMPLETE
- ALL TREES WHICH ARE SMOOTH BARKED AT THE TIME OF PLANTING AND WHICH HAVE MORE THAN 2' CLEAR TRUNK SHALL BE WRAPPED
- ALL TREE WRAPPING SHALL EXTEND FROM TOP OF BACKFILL TO LOWERMOST BRANCHES
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION



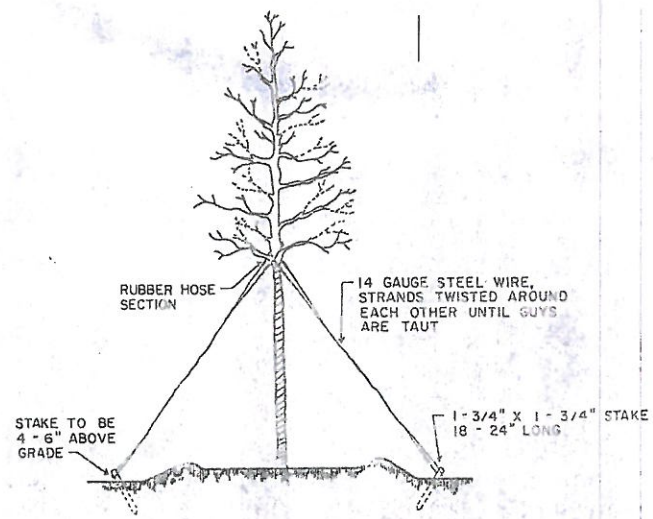
PRUNING CUTS



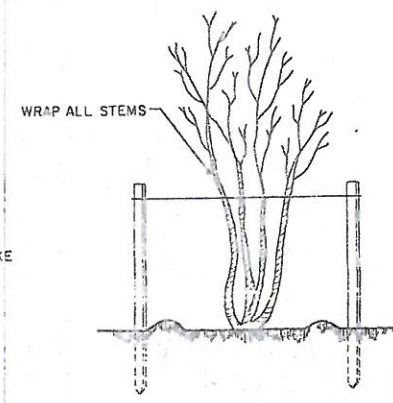
GUY SPACING DETAIL



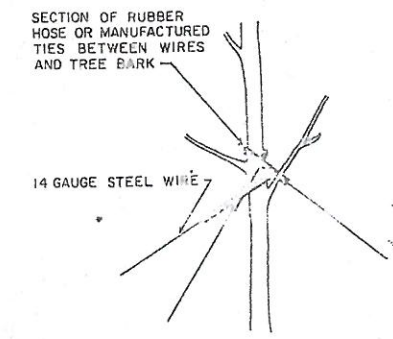
STAKING DETAIL
(FOR TREES 6' TO 10')



TREE GUYING DETAIL
(FOR TREES 10' OR LARGER)

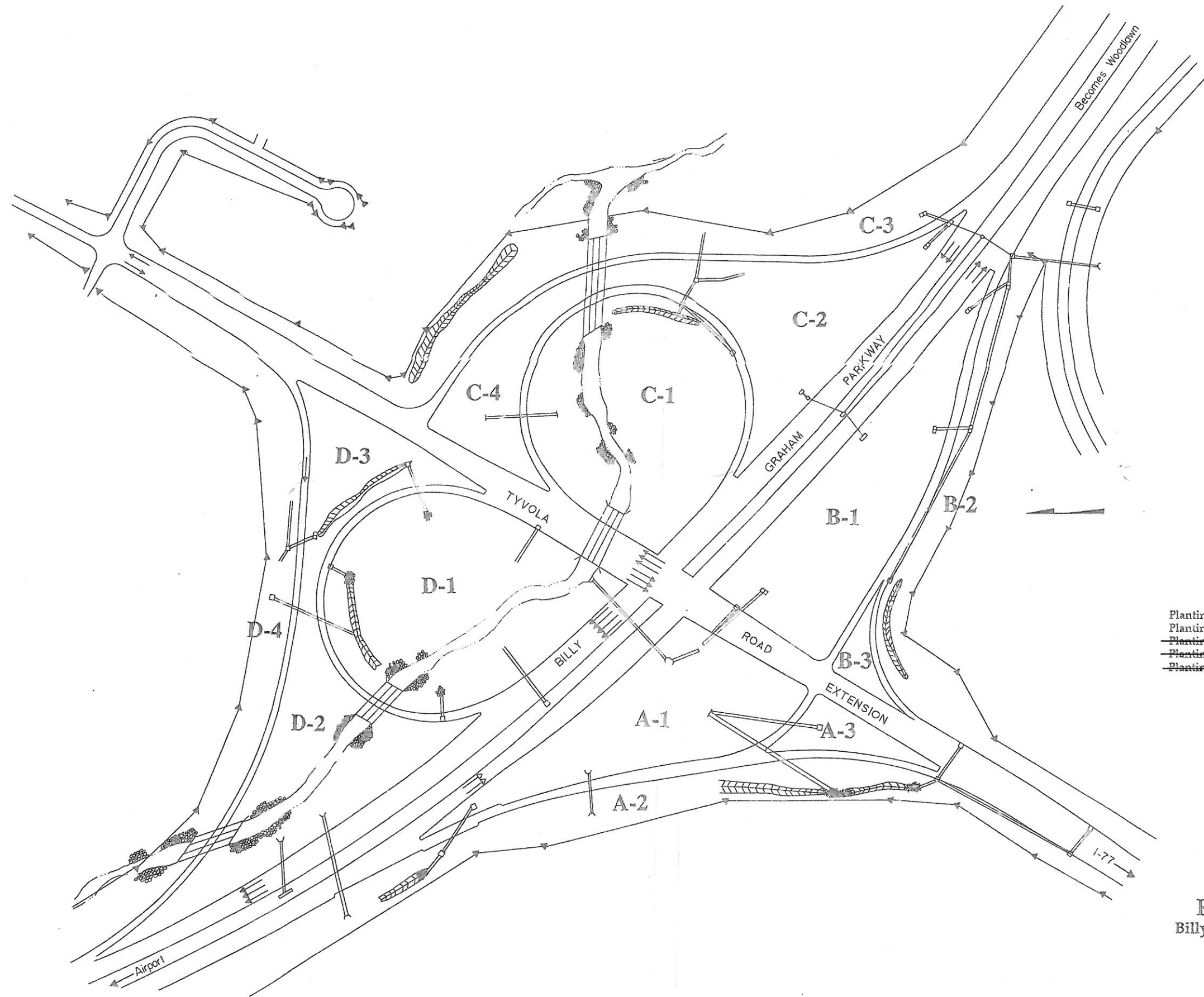


GUYING & STAKING

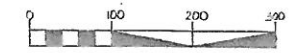


GUY TYING DETAIL

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
3710.3.01	L-3	5
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION



- Planting plan for A - Quadrant..... Sheet 5 L-4
- Planting plan for B - Quadrant..... Sheet 6 L-5
- Planting plan for C - Quadrant..... Sheet 7
- Planting plan for C-3 - Quadrant..... Sheet 8
- Planting plan for D - Quadrant..... Sheet 9



Final Four Landscaping
 Billy Graham & Tyvola Road Interchange
 View of Interchange

3/28/77
 1-77
 22827

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
3710.3.01	L-4	5
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

CONTRACTOR TO:

- REMOVE ALL EXISTING JUNIPERS INCLUDING STUMPS AND BACK FILL HOLES.
- PLANT 23 BILOXI CRAPE MYRTLES (*Lagerstroemia indica x fauriei* 'Biloxi'); 15 Gal Cont.; 15' O.C. - TO BE STAKED IN THE FIELD.
- PREPARE AND MULCH ENTIRE OUTLINED AREA AS A PLANT BED

CONTRACTOR TO:

- REMOVE ALL EXISTING CHERRY TREES INCLUDING STUMPS AND BACK FILL HOLES.
- CLEAN-UP AROUND EXISTING MAGNOLIAS AND PRUNE AS DIRECTED BY THE ENGINEER
- PLANT 18 DOGWOODS (*Cornus florida* Cherokee Princess); 15 Gal Cont.; 20' O.C. TO BE STAKED IN THE FIELD.
- PREPARE AND MULCH ENTIRE OUTLINED AREA AS A PLANT BED

CONTRACTOR TO:

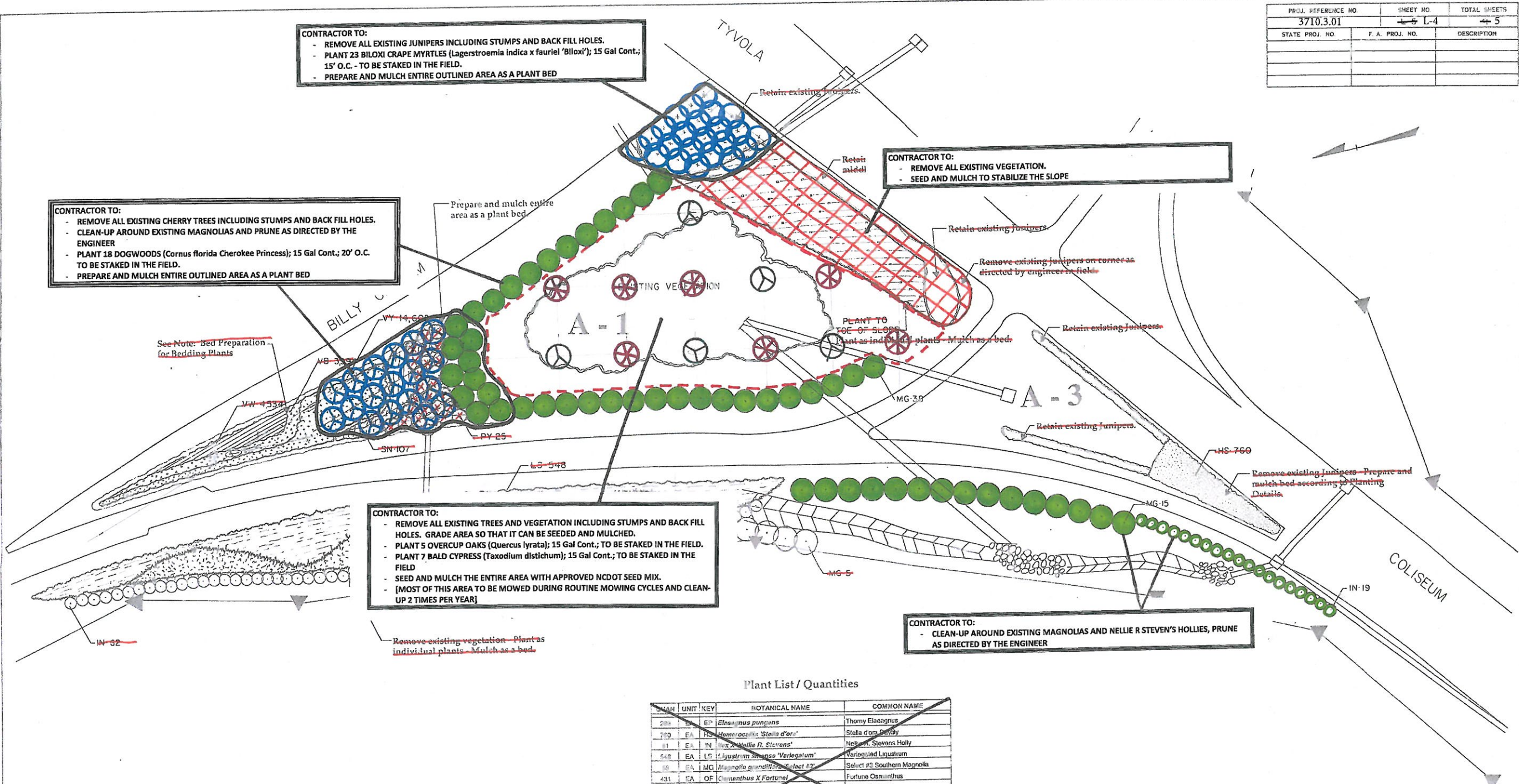
- REMOVE ALL EXISTING VEGETATION.
- SEED AND MULCH TO STABILIZE THE SLOPE

CONTRACTOR TO:

- REMOVE ALL EXISTING TREES AND VEGETATION INCLUDING STUMPS AND BACK FILL HOLES. GRADE AREA SO THAT IT CAN BE SEED AND MULCHED.
- PLANT 5 OVERCUP OAKS (*Quercus lyrata*); 15 Gal Cont.; TO BE STAKED IN THE FIELD.
- PLANT 7 BALD CYPRESS (*Taxodium distichum*); 15 Gal Cont.; TO BE STAKED IN THE FIELD
- SEED AND MULCH THE ENTIRE AREA WITH APPROVED NCDOT SEED MIX.
- [MOST OF THIS AREA TO BE MOWED DURING ROUTINE MOWING CYCLES AND CLEAN-UP 2 TIMES PER YEAR]

CONTRACTOR TO:

- CLEAN-UP AROUND EXISTING MAGNOLIAS AND NELLIE R STEVEN'S HOLLIES, PRUNE AS DIRECTED BY THE ENGINEER



Plant List / Quantities

QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME
200	EA	EP	<i>Elaeagnus pungens</i>	Thorny Elaegnus
200	EA	HO	<i>Hamelia occulta</i> 'Stella d'ora'	Stella d'ora Parilly
81	EA	N	<i>Nellie R. Stevens</i>	Nellie R. Stevens Holly
548	EA	LS	<i>Ligustrum sinense</i> 'Variegatum'	Variegated Ligustrum
18	EA	MG	<i>Magnolia grandiflora</i> 'Select #3'	Select #3 Southern Magnolia
431	EA	OF	<i>Osmanthus X Fortunei</i>	Fortune Osmanthus
75	EA	PY	<i>Prunus X yedoensis</i>	Yoshino Cherry
107	EA	SN	<i>Saxifraga nivalis</i> 'Snowmound'	Snowmound Solms
3,934	EA	VB	<i>Viola X Wittrockiana</i> (F1 Hybrid)	Crystal Bowl Series Blue - Pansy
4,514	EA	W	<i>Viola X Wittrockiana</i> (F1 Hybrid)	Crystal Bowl Series White - Pansy
14,000	EA	VY	<i>Viola X Wittrockiana</i> (F1 Hybrid)	Crystal Bowl Series Yellow - Pansy
1	EA	EP	Pansy Bed Preparation and Installation	



Final Four Landscaping
 Billy Graham & Tyvola Road Interchange
 A - Quadrant

PROJECT NO. 3710.3.01
 SHEET NO. L-4
 DATE: 11/15/11
 DRAWN BY: J. B. BROWN
 CHECKED BY: J. B. BROWN
 APPROVED BY: J. B. BROWN

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
3710.3.01	L-5	5
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

CONTRACTOR TO:

- REMOVE ALL EXISTING OSMANTHUS INCLUDING STUMPS AND BACK FILL HOLES.
- PLANT 33 BILOXI CRAPE MYRTLES (*Lagerstroemia indica x fauriei* 'Biloxi'); 15 Gal Cont.; 15' O.C. - TO BE STAKED IN THE FIELD.
- PREPARE AND MULCH ENTIRE OUTLINED AREA AS A PLANT BED

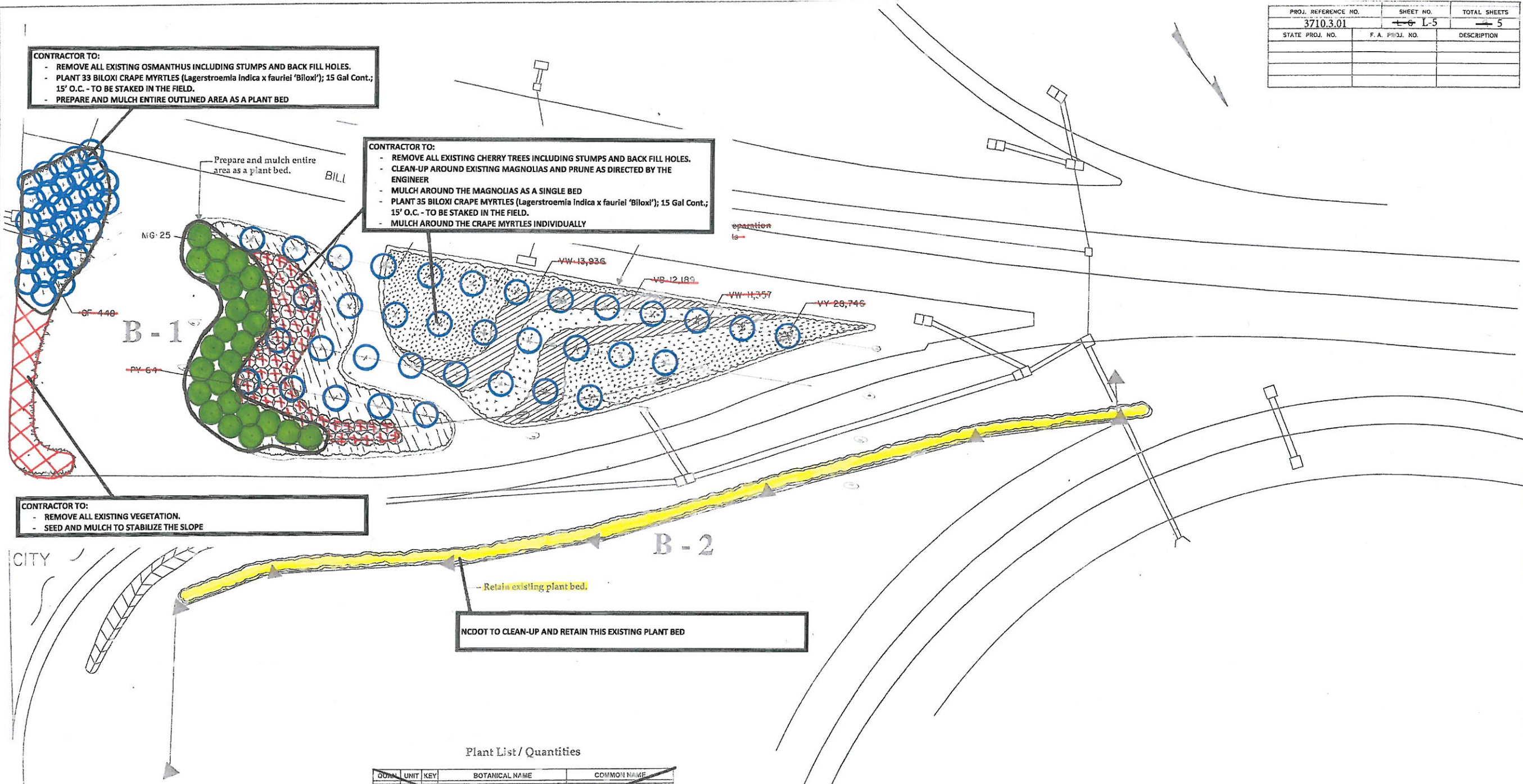
CONTRACTOR TO:

- REMOVE ALL EXISTING CHERRY TREES INCLUDING STUMPS AND BACK FILL HOLES.
- CLEAN-UP AROUND EXISTING MAGNOLIAS AND PRUNE AS DIRECTED BY THE ENGINEER
- MULCH AROUND THE MAGNOLIAS AS A SINGLE BED
- PLANT 35 BILOXI CRAPE MYRTLES (*Lagerstroemia indica x fauriei* 'Biloxi'); 15 Gal Cont.; 15' O.C. - TO BE STAKED IN THE FIELD.
- MULCH AROUND THE CRAPE MYRTLES INDIVIDUALLY

CONTRACTOR TO:

- REMOVE ALL EXISTING VEGETATION.
- SEED AND MULCH TO STABILIZE THE SLOPE

NCDOT TO CLEAN-UP AND RETAIN THIS EXISTING PLANT BED



Plant List / Quantities

QUANTITY	UNIT	KEY	BOTANICAL NAME	COMMON NAME
25	EA	MO	<i>Magnolia grandiflora</i> 'Select #3'	Select #3 Southern Magnolia
448	EA	OF	<i>Osmantinus X Fortunei</i>	Fountain Osmantinus
64	EA	PV	<i>Prunus X yedoensis</i>	Yoshino Cherry
689	EA	SN	<i>Spiraea japonica</i> 'Snowmound'	Snowmound Spirea
12,189	EA	VB	<i>Viola X Wirtgeniana</i> (F1 Hybrid)	Crystal Bowl Series White - Pansy
15,293	EA	VW	<i>Viola X Wirtgeniana</i> (F1 Hybrid)	Crystal Bowl Series White - Pansy
51,743	EA	VY	<i>Viola X Wirtgeniana</i> (F1 Hybrid)	Crystal Bowl Series Yellow - Pansy
26,240	OF		Pansy Bed Preparation and Installation	

Final Four Landscaping
 Billy Graham & Tyvola Road Interchange
 B - Quadrant

100 THE ARCHITECT, INC. 704-771-7779 000027