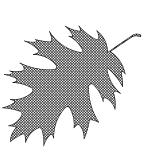
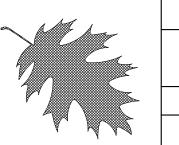
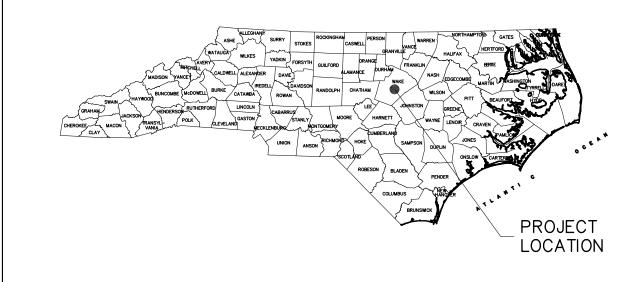
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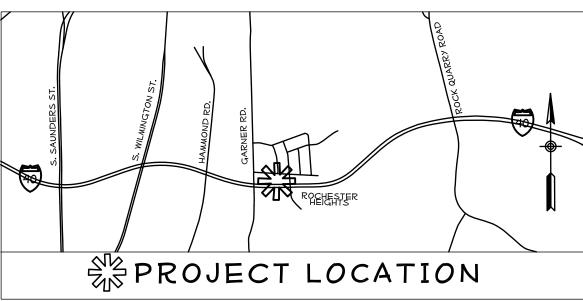


# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



	T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
-	N/A	46265.3.1	L1	4
<b>S</b>	FED. PROJ. #	DESCRIPTION	DIVISION	
	IMS-0440(13)	LANDSCAPE		5





S. SAUNDERS ST.	S. WILMINGTON ST. HAMMOND RD. GARNER RD.	ROCHESTER ROCHESTER	
	常 PROJE	CT LOCATION	

MISCELLANEOUS					
QTY	UNIT	SPEC SECTION	ITEM		
36	EA	SP	Establishment		
0.1	AC	1650	Wooded area cleanup		
98	CY	SP	Mulch for planting		
11	M/G	SP	Water for planting		
7,977	SY	1670	Pre-emergence plant bed herbicide treatment		
7,977	SY	1670	Post-emergent herbicidal treatment for plant beds		

TREES	CODE	QTY	UNIT	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
) <del>\</del>	CC	4	EA	Cercis canadensis / Eastern Redbud	B & B	1.5"Cal	6` Min	Full & Heavy, Single Straight Leade
	CK	6	EA	Cornus kousa `National` / National Kousa Dogwood	B & B	1.5"Cal	6` Min	Full & Heavy, Single Straight Leade
	LT	3	EA	Liriodendron tulipifera / Tulip Poplar	B & B	2"Cal	10` min.	Full & Heavy, Single Straight Lead
(+)	NW	8	EA	Nyssa sylvatica `Wildfire` / Black Gum	B & B	3"Cal		Full & Heavy, Single Straight Lead
	PT	15	EA	Pinus taeda / Loblolly Pine	#10		8' min.	Full & Heavy
•	QP	4	EA	Quercus palustris / Pin Oak	B & B	2"Cal	10` min.	Full & Heavy, Single Straight Lead
+	QS	3	EA	Quercus shumardii / Shumard Oak	B & B	2"Cal	10` min.	Full & Heavy, Single Straight Lead
HRUBS	CODE	QTY	UNIT	BOTANICAL NAME / COMMON NAME	CONT		HEIGHT	REMARKS
0	IC	106	EA	Ilex cornuta `Needlepoint` / Needlepoint Holly	#7		36" Min	Full & Heavy
<b>①</b>	IN	24	EA	Ilex x `Nellie R Stevens` / Nellie R Stevens Holly	#7		36" Min	Full & Heavy, Single Straight Lead
+	LC	52	EA	Loropetalum chinense `Ever Red` / Ever Red loropetalum	#3		24" Min	Full & Heavy
+	MC	121	EA	Myrica cerifera / Wax Myrtle	#7		36" Min	Full & Heavy
REFC	) RES	TAT	ION	SCHEDULE				I
REES	CODE	QTY	UNIT	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
<del>المر</del> {+}	СС	50	EA	Cercis canadensis / Eastern Redbud	#7			Full & Heavy; Single leader
man de la companya de	СК	44	EA	Cornus kousa `National` / National Kousa Dogwood	#7			Full & Heavy
$\frac{\mathcal{K}}{\mathcal{K}}$	FP	69	EA	Fraxus pennslyvanica / Green Ash	#10			Full & Heavy
$\frac{\overline{\left( \cdot \right)}}{\left( \cdot \right)}$	JV	94	EA	Juniperus virginiana / Eastern Red Cedar	#7			Full & Heavy
	PT	218	EA	Pinus taeda / Loblolly Pine	#3			Full & Heavy
•	QP	75	EA	Quercus palustris / Pin Oak	#10			Full & Heavy
$\frac{\smile}{(+)}$	QS	75	EA	Quercus shumardii / Shumard Oak	#10			Full & Heavy



1 Journey Enro	
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) ————————————————————————————————————	
Prop. Control of Access Line ——	<b>V</b>
Property Line ————————————————————————————————————	——————————————————————————————————————
Easement Line —	
Slope Stake Line ————————————————————————————————————	
Exist. Fence	
Prop. Woven Wire Fence ————	<del> </del>
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 ————————————————————————————————————	11 11
Gas Line ————————————————————————————————————	-
Picnic Shelter —————	
Regeneration	

# INDEX OF SHEETS: L1 ... TITLE SHEET,

SUMMARY OF QUANTITIES LP1 - LP2 ... PLANTING PLANS LD1 ... PLANTING DETAIL SHEET

# PREPARED BY:

OBS LANDSCAPE ARCHITECTS PIO BOX 28504 RALEIGH, NC 27611 (919) 755-0046 WWW.OBSLA.NET

DATE: 06/30/17

RE	$\bigvee$	S	Ν	S

DESCRIPTION



STATE OF

# NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

LOCATION: ROCHESTER HEIGHTS / RALEIGH / I-40

LANDSCAPE IMPROVEMENTS TYPE of WORK:

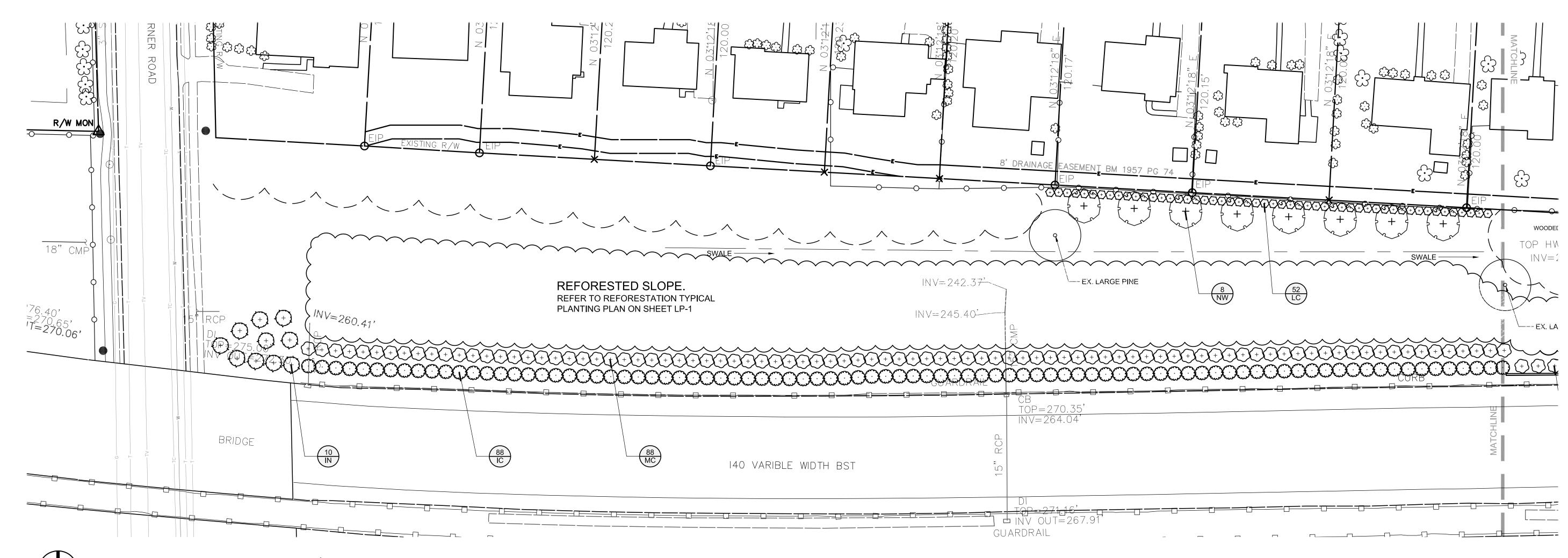
COUNTY: WAKE COUNTY



2004 American Standard for Nursery Stock

2018 NCDOT STANDARD SPECIFICATIONS PREPARED IN THE OFFICE OF:

NCDOT- ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2935





# **GENERAL PLANTING NOTES:**

- Identify any subsurface utilities prior to commencing work.
- 2. All plant materials to comply with American Standard for Nursery Stock
- Substitutions of plant materials specified can only occur with prior approval by Landscape Architect and/or Engineer.
- 4. No plant shall be installed closer than 10' to the back of guardrail, or edge of
- pavement if no guardrail is present.
- Install all plant materials as defined by details.
- 6. All trees to be installed before April 30 or after October 1.
- All planted areas on reforested slopes to be mulched with 3" hardwood mulch. 8. All trees not on the reforested slopes to be in uniform bed of mulch with the bed edge no less than 5' and no more than 6' from the trunk of the tree.
- Contractor to guarantee plant materials for a one year period following substantial
- 10. Contractor to water plant material as needed until established.
- 11. Areas damaged by activities of contractor shall be re-established to pre-disturbance condition at no additional cost to the owner.
- 12. Use herbicides, pesticides, and fertilizer in a manner consistent with the federal insecticide, fungicide, and rodenticide act, NCDOT standards and specifications,
- and in accordance with label restrictions. 13. Contractor shall insure that all plant material is free of fire ants prior to installation.
- 14. Locations of plants to be flagged by contractor and verified in the field by Landscape Architect, Engineer and/or Owner prior to installation

# PLANTING KEY:

- CC Cercis canadensis / Eastern Redbud
  - CK Cornus kousa 'National' / National Kousa Dogwood
- JV Juniperus virginiana / Eastern Red Cedar
- LT Lirodendron tulipifera / Tulip Poplar
- NW Nyssa Sylvatica 'Wildfire' / Wildfire Black Gum
- PT Pinus taeda / Loblolly Pine
- QP Quercus palustris / Pin Oak
- QS Quercus shumardii / Shumard Oak
- FP Fraxus Pennsylvanica / Green Ash
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- LC Loropetalum chinense 'Ever Red' / Ever Red loropetalum
- MC Myrica cerifera / Wax myrtle

# REFORESTATION TYPICAL PLANTING PLAN (PER 100 LF)

- NOTES: 1. 35% OF PLANT MATERIAL TO BE LOBLOLLY PINE TREES.
- 2. 35% OF PLANT MATERIAL TO BE DECIDUOUS CANOPY TREES (QUERCUS PALUSTRIS, QUERCUS SHUMARDII, FRAXUS PENNSYLVANICA).
- 3. 15% OF PLANT MATERIAL TO BE **DECIDUOUS FLOWERING TREES** (CORNUS KOUSA, CERCIS CANADENSIS).
- 4. 15% OF PLANT MATERIAL TO BE CEDARS.
- 5. REFER TO PLANT SCHEDULE FOR PLANT SPECIFICATIONS & QUANTITIES.
- 6. NUMBER OF TREES PER 100' VARIES BASED ON WIDTH OF PLANTING AREA.

# TOE OF SLOPE - FLOWERING TREES NEAR BOTTOM OF SLOPE AT EDGE OF REFORESTATION MIX OF PINES, CEDARS AND SHADE TREES ON SLOPE ROAD EDGE / UPPER EDGE OF REFORESTATION SCALE = 1:20

# REFORESTATION NOTES

- 1. Limits of Reforested Areas are to staked/flagged and approved by Owner in the field prior to installation.
- 2. All trees noted for Reforested Areas shall be installed on 8' staggered centers in a random fashion in order to evenly disperse species and cultivars.
- All Reforested Areas shall be defined with white top stakes, per Specification 1670.
- Refer to Planting Plans for extents of Reforestation Areas and species and cultivar mixes.



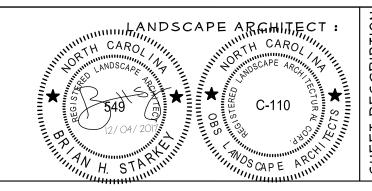
NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT

1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557 PH: 919-707-2920 FAX: 919-715-2554

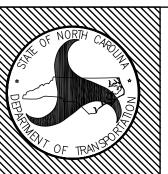
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

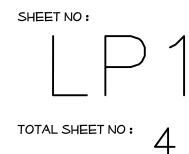
ROCHESTER HEIGHTS 140 - RALEIGH, NC 46157.11

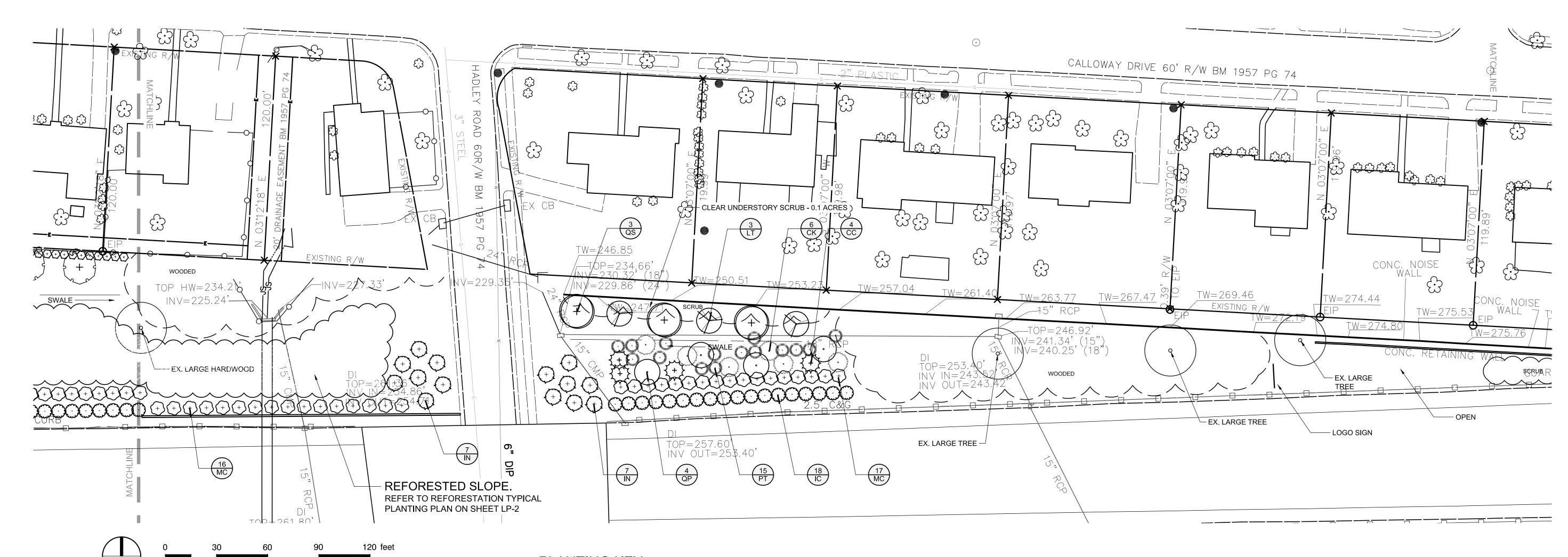
PROJECT #:



PLANTING PLAN	PREL DESIGN DATE: 01.27.2015	
	CHECKED BY & DATE : BHS / 01.27.2015	
	FINAL DESIGN DATE : 06.30.2017	







# **GENERAL PLANTING NOTES:**

NORTH 1" = 30'

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46157.11

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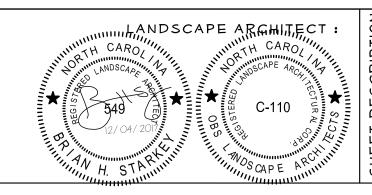
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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

Rochester Heights 140 - Raleigh, NC

PROJECT #:



PLANTING PLAN	PREL DESIGN DATE: 01.27.2015
	CHECKED BY & DATE: BHS / 01.27.2015
	FINAL DESIGN DATE: 06.30.2017
	FINAL DESIGN DATE:

