

MIHALY
LAND DESIGN
PLANNING + LANDSCAPE ARCHITECTURE
330 MILITARY CUTOFF RD., Suite A3
Wilmington, NC 28405 910.392.4355



Revisions

CLIENT
CAPE FEAR COMMERCIAL, LLC
1051 MILITARY CUTOFF RD., SUITE 200
WILMINGTON, NC
CONTACT: MIKE BROWN

PROJECT
AUTUMN HALL COMMERCIAL
1202 EASTWOOD ROAD
WILMINGTON, NC
LANDSCAPE PLAN

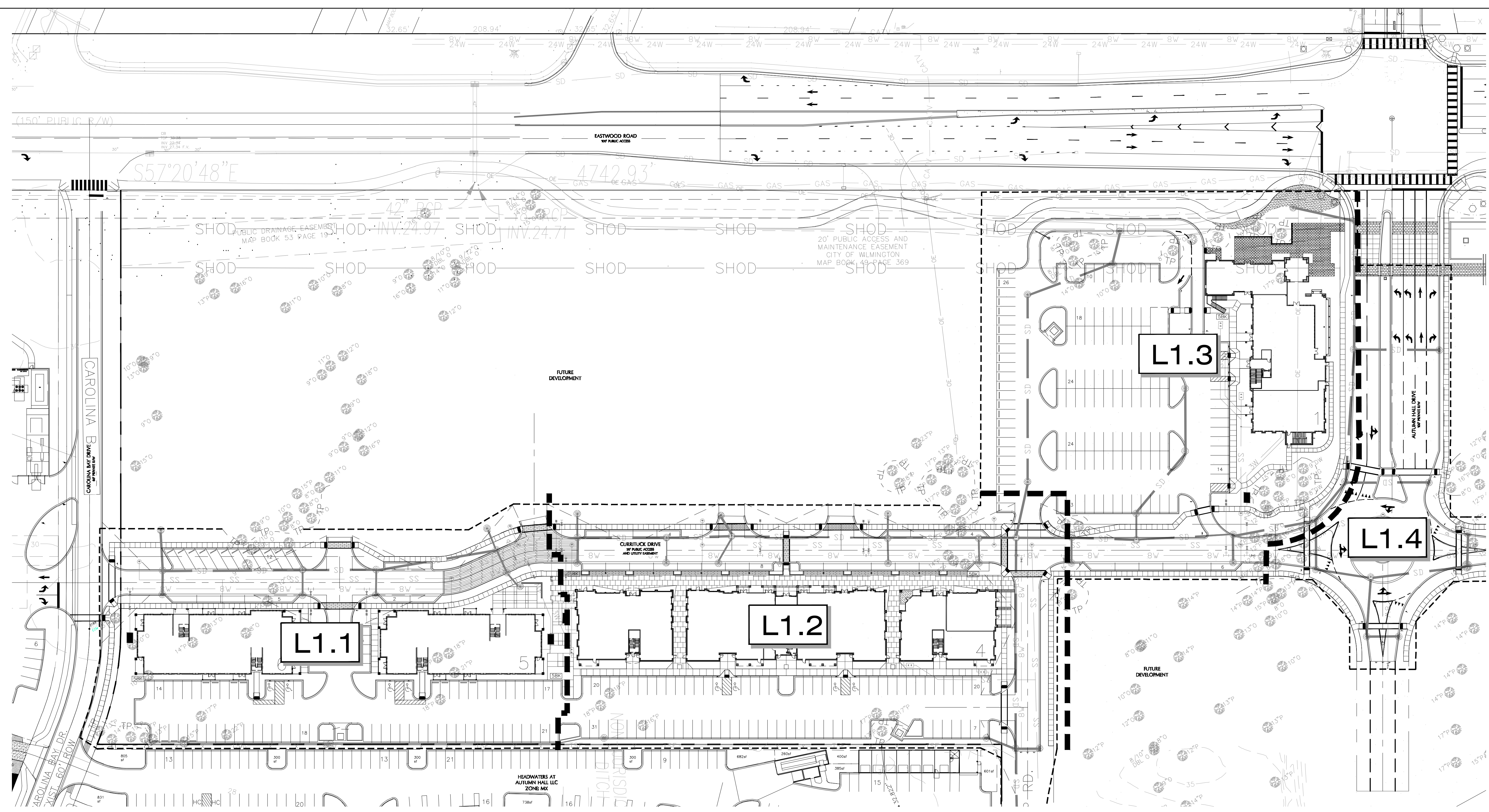
CONSTRUCTION DOCUMENT REVIEW SET

Date: 2019-08-27
Phase: PHASE 1
Job Number: 400-18
Designed by: MLD
Drawn by: MAS
Checked by: JWM

Sheet Title: PLANTING PLAN - OVERALL

Sheet Number:

L1.0
of 5 sheets



SITE DATA

ADDRESS	1202 EASTWOOD ROAD
PARCEL ID	ROS000-004-147-000
EXISTING ZONING	MX / SHOD
PROJECT AREA (PHASE 1)	8.19 AC (356,943 SF)
CAMA LAND USE	WATERSHED RESOURCE PROTECTION
DISTURBED AREA LIMITS	8.78 AC

LANDSCAPE REQUIREMENTS

REQUIRED	PROVIDED
PARKING LOT CANOPY COVERAGE (43,527 SF X 20%) 8,705 SF, 18 TREES	31 LARGE TREES
STREET YARD PLANTING PRIMARY STREET YARD EASTWOOD ROAD (NORTH) TREES REQUIRED: 6,174 SF (343 LF x 18) 20 (1/800 SF) x (1/40 LF) SHRUBS REQUIRED: 62 (6/600 SF)	6,341 SF 20 PROPOSED CANOPY TREES 98 PROPOSED SHRUBS
SECONDARY STREET YARD CAROLINA BAY DRIVE (WEST) TREES REQUIRED: 1,602 SF (178 LF x 9) 3 (1/600 SF) SHRUBS REQUIRED: 16 (6/600 SF)	2,177 SF 1 PROPOSED CANOPY TREES 3 UNDERSTORY TREES 31 PROPOSED SHRUBS
FOUNDATION PLANTING (12% FACADE AREA ADJ. TO PARKING/DRIVE AISLE)	
STARBUCKS WEST: 706 SF (180 LF x 32'-8" HT x 12) EAST: 706 SF (180 LF x 32'-8" HT x 12) NORTH: 450 SF (110 LF x 32'-8" HT x 12)	2,940 SF 2,520 SF 3,099 SF
RESIDENTIAL BUILDING #1 NORTH: 899 SF (156 LF x 48'-5" HT x 12) SOUTH: 899 SF (156 LF x 48'-5" HT x 12) EAST: 247 SF (62 LF x 48'-5" HT x 12) WEST: 247 SF (62 LF x 48'-5" HT x 12)	993 SF 937 SF 247 SF 375 SF
RESIDENTIAL BUILDING #2 NORTH: 899 SF (156 LF x 48'-5" HT x 12) SOUTH: 899 SF (156 LF x 48'-5" HT x 12) EAST: 247 SF (62 LF x 48'-5" HT x 12) WEST: 247 SF (62 LF x 48'-5" HT x 12)	2,010 SF 1,008 SF 2,330 SF 456 SF
MAKED USE BUILDING NORTH: 2,298 SF (406 LF x 47'-2" HT x 12) SOUTH: 2,298 SF (406 LF x 47'-2" HT x 12) WEST: 385 SF (68 LF x 47'-2" HT x 12)	2,230 SF 2,288 SF 561 SF

RETAINED TREES COUNTED TOWARD MINIMUM REQUIRED

QUANTITY	SIZE	COMMON NAME	CREDITS
4	8"	OAK	8
1	8"	DOGWOOD	2
1	8"	DOGWOOD	2
1	8"	MAGNOLIA	2
1	8"	OAK	2
2	10"	OAK	4
1	10"	PINE	2
1	12"	PINE	3
1	13"	PINE	3
2	14"	PINE	6
7	15"	PINE	21
2	16"	PINE	6
1	16"	OAK	3
1	17"	PINE	3
TOTAL TREE CREDITS			67 CREDITS

TREE MITIGATION REQUIREMENTS

REMOVED SIGNIFICANT TREES

QUANTITY	SIZE	COMMON NAME	% MITIGATION
1	20"	PINE	100
1	8"	DOGWOOD	100
1	10"	DOGWOOD	100
1	8"	MAGNOLIA	100
52' x (2) x (1) = 104' x 3 = 35 TREES			

REMOVED REGULATED TREES

QUANTITY	SIZE	COMMON NAME	% MITIGATION
1	17"	PINE	100
1	15"	PINE	100
1	8"	OAK	100
38' x (1) = 38' x 3 = 13 TREES			

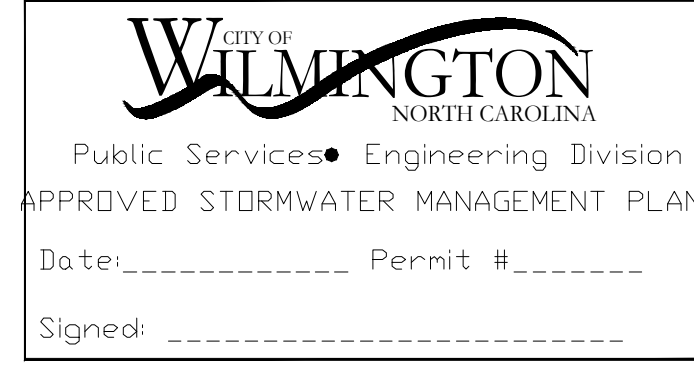
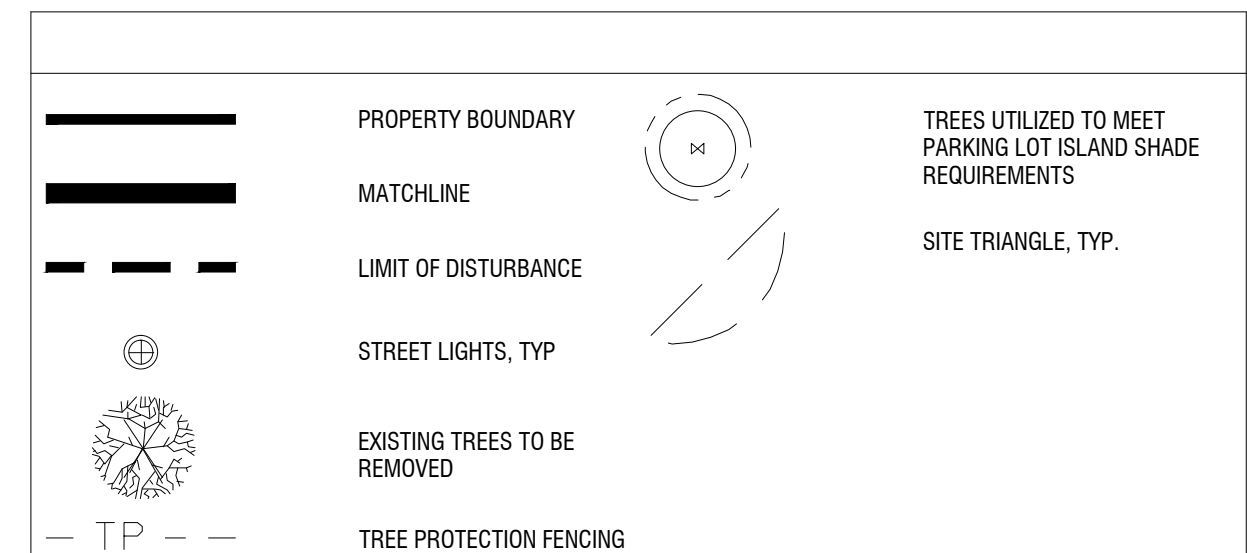
TOTAL TREES REQUIRED FOR MITIGATION = 48 TREES
TREE CREDITS USED TO SATISFY MITIGATION = 48 CREDITS

TREE REQUIREMENTS PER DISTURBED ACRE
15 TREES PER DISTURBED ACRE MUST BE RETAINED OR PLANTED ON SITE

REQUIRED:	PROVIDED:
8.78 ACRES DISTURBED x 15 TREES = 132 TREES REQUIRED	138 TREES PLANTED - REFERS TO PLANTING LEGEND
TOTAL:	138 TREES PROVIDED

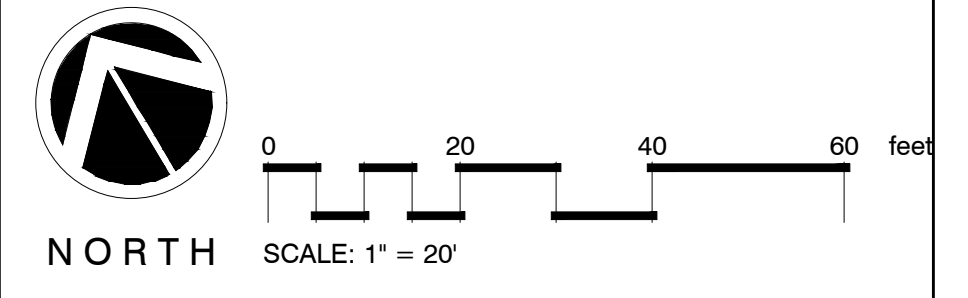
NOTE:
-ALL PROPOSED VEGETATION WITHIN SIGHT DISTANCES TRIANGLES SHALL NOT INTERFERE WITH CLEAR SIGHT LINES FROM 30' - 10'.
-PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.

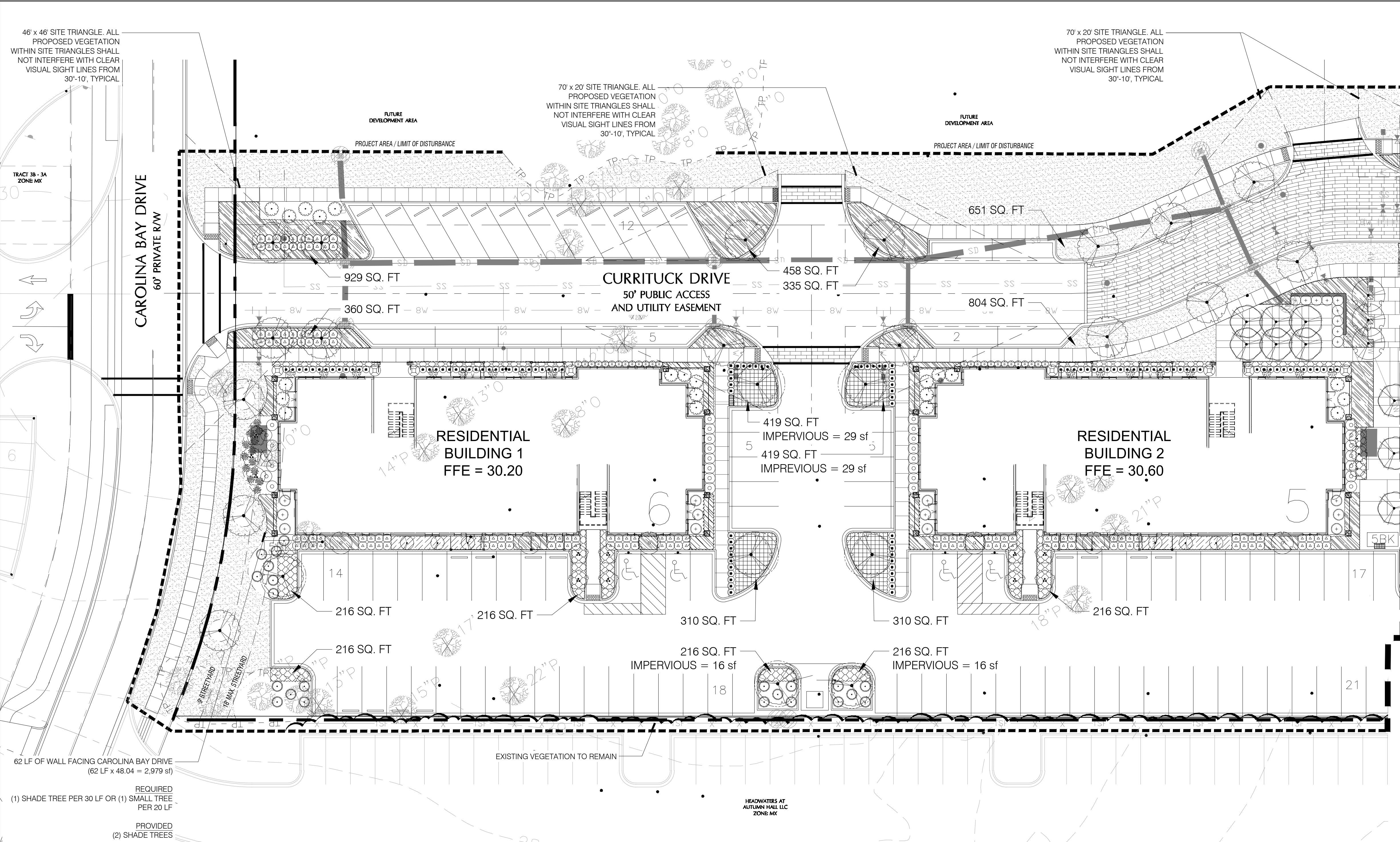
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Approved Construction Plan

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Public Utilities	
Traffic	
Fire	





46' x 46' SITE TRIANGLE. ALL PROPOSED VEGETATION WITHIN SITE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10', TYPICAL

70' x 20' SITE TRIANGLE. ALL PROPOSED VEGETATION WITHIN SITE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10', TYPICAL

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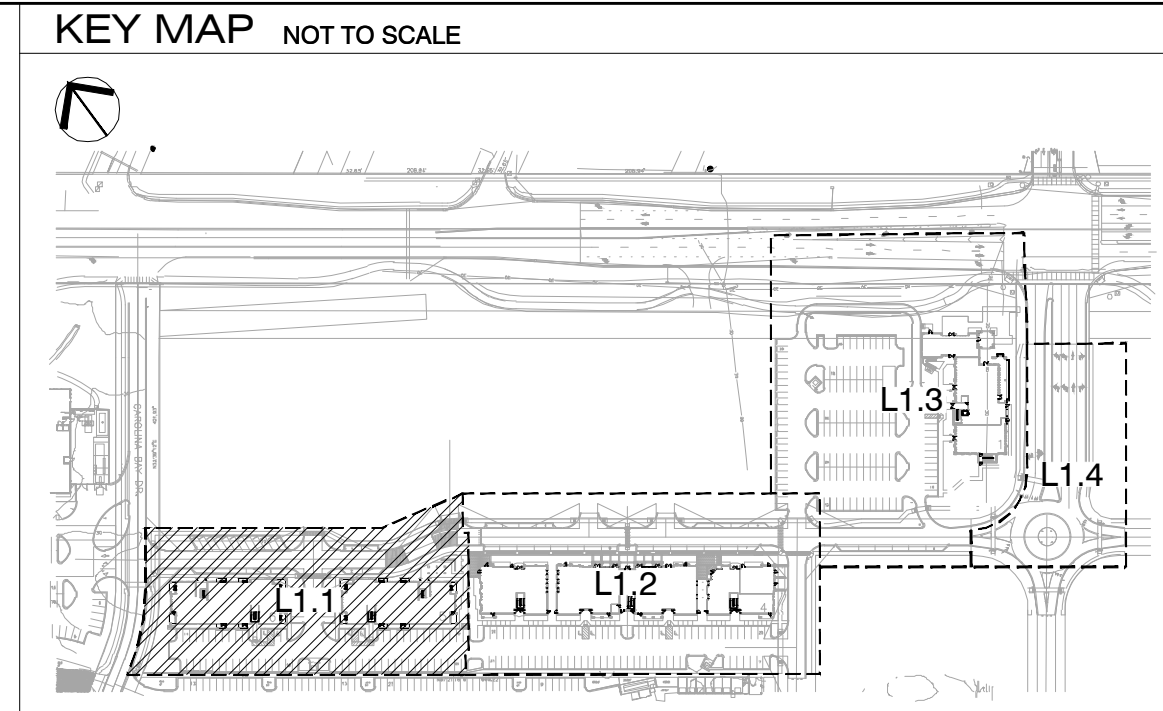
TRACT 38 - 3A ZONE MX

62 LF OF WALL FACING CAROLINA BAY DRIVE (62 LF x 48.04 = 2,979 sf)

REQUIRED (1) SHADE TREE PER 30 LF OR (1) SMALL TREE PER 20 LF

PROVIDED (2) SHADE TREES

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PLANT SCHEDULE L1.1

TREES	BOTANICAL / COMMON NAME	CONT	GAL	RANGE	HT	QTY
	Acer p. 'Sango Kaku' / Coral Bark Maple	8 & B	1.5" - 2" CAL	6-8'	HT	3
	Cercis s. 'Forest Pansy' TM / Forest Pansy Redbud	--	3" CAL			9
	Ilex c. 'Burfordii' / Tree Form Burford Holly Uniform	B & B	1.5" CAL	7-8'	HT	6
	Lagerstroemia l. 'Pink Velour' / Pink Velour Crepe Myrtle	25 GAL	1.1-1.5" CAL	6-7'	HT	11
	Quercus virginiana / Southern Live Oak	B & B	3" CAL	10-12'	HT	24

SHRUBS	BOTANICAL / COMMON NAME	SIZE	RANGE	HT	QTY
	Aspidistra elatior / Cast Iron Plant	1 gal	15-18"	HT	26
	Azalea l. 'Formosa' / Formosa Azalea	3 gal	18-24"	HT	22
	Bauhinia m. 'Wintergreen' / 3 gal. Bowwood	3 gal	12-18"	HT	114
	Camelia s. 'Hana Jiman' / White Camellia	7 gal	24-30"	HT	8
	Colocasia gigantea / Giant Elephant Ear	3 gal			16
	Fatsia japonica / Japanese Fatsia	7 gal	24-30"	HT	16
	Gardenia j. 'Frostproof' / Frostproof Gardenia	3 gal	18-24"	HT	30
	Ilex vomitoria / Tree Form Yaupon Holly	B&B	7-8'	HT	3
	Ilex vomitoria 'Nana' / Dwarf Yaupon	3 gal	18-24"	HT	96
	Ilex vomitoria 'Nana' / Dwarf Yaupon	7 gal	18-24"	HT	40
	Ligustrum japonicum / Tree Form Ligustrum	B&B	6-8'	HT	6
	Mahlerbergia capitata / Pink Mully	3 gal	18-24"	HT	13
	Pittosporum l. 'Variegata' / Variegated Pittosporum	3 gal	18-24"	HT	12
	Podocarpus macrophyllus makii / Shrubby Yew	7 gal	3-4'	HT	9
	Viburnum suspensum / Sandalwood Viburnum	7 gal	30-36"	HT	5

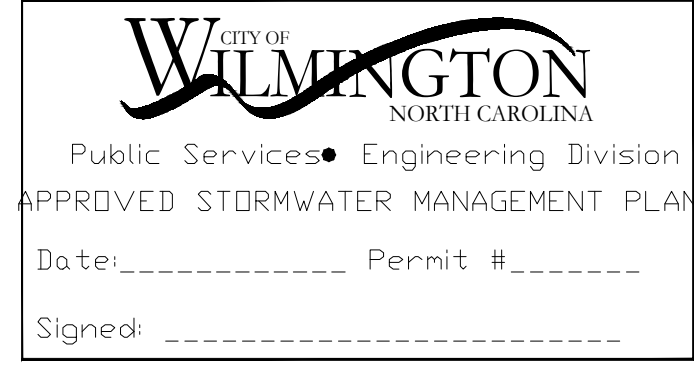
GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	RANGE	HT	SPACING	QTY
	Liriope gigantea / Giant Liriope	1 GAL	12-18"	HT	24" o.c.	940
	Liriope m. 'Variegata' / Variegated Lily Turf	1 GAL	6-12"	HT	18" o.c.	404
	Ruellia brittoniana / Mexican Petunia	3 gal	15-24"	HT	24" o.c.	82
	Tachelosperrum s. 'Austale' / Asiatic Jasmine	1 qt	6-12"	HT	12" o.c.	1,110

MATCHLINE - SEE SHEET L1.2

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

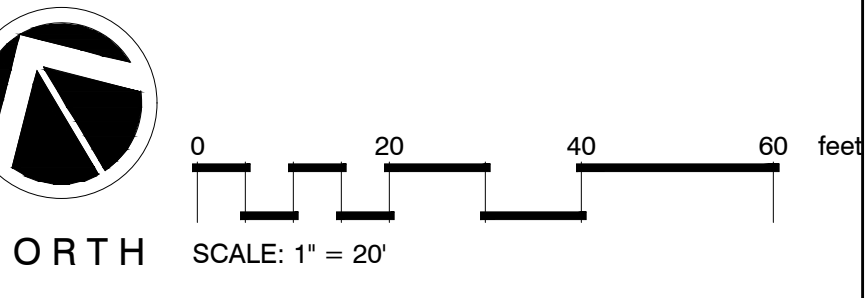
SYMBOL LEGEND

	PROPERTY BOUNDARY		TREES UTILIZED TO MEET PARKING LOT ISLAND SHADE REQUIREMENTS
	MATCHLINE		SITE TRIANGLE, TYP.
	LIMIT OF DISTURBANCE		EXISTING TREES TO BE REMOVED
	STREET LIGHTS, TYP		TREE PROTECTION FENCING



Approved Construction Plan

Name	Date
Planning _____	
Public Utilities _____	
Traffic _____	
Fire _____	



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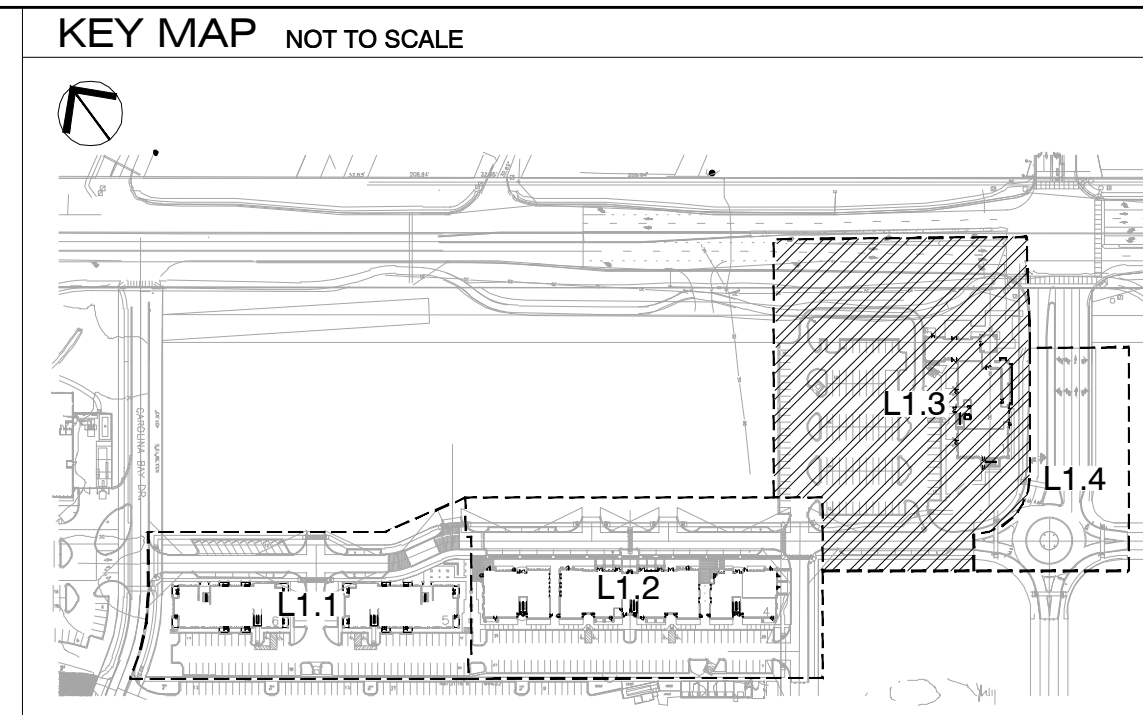
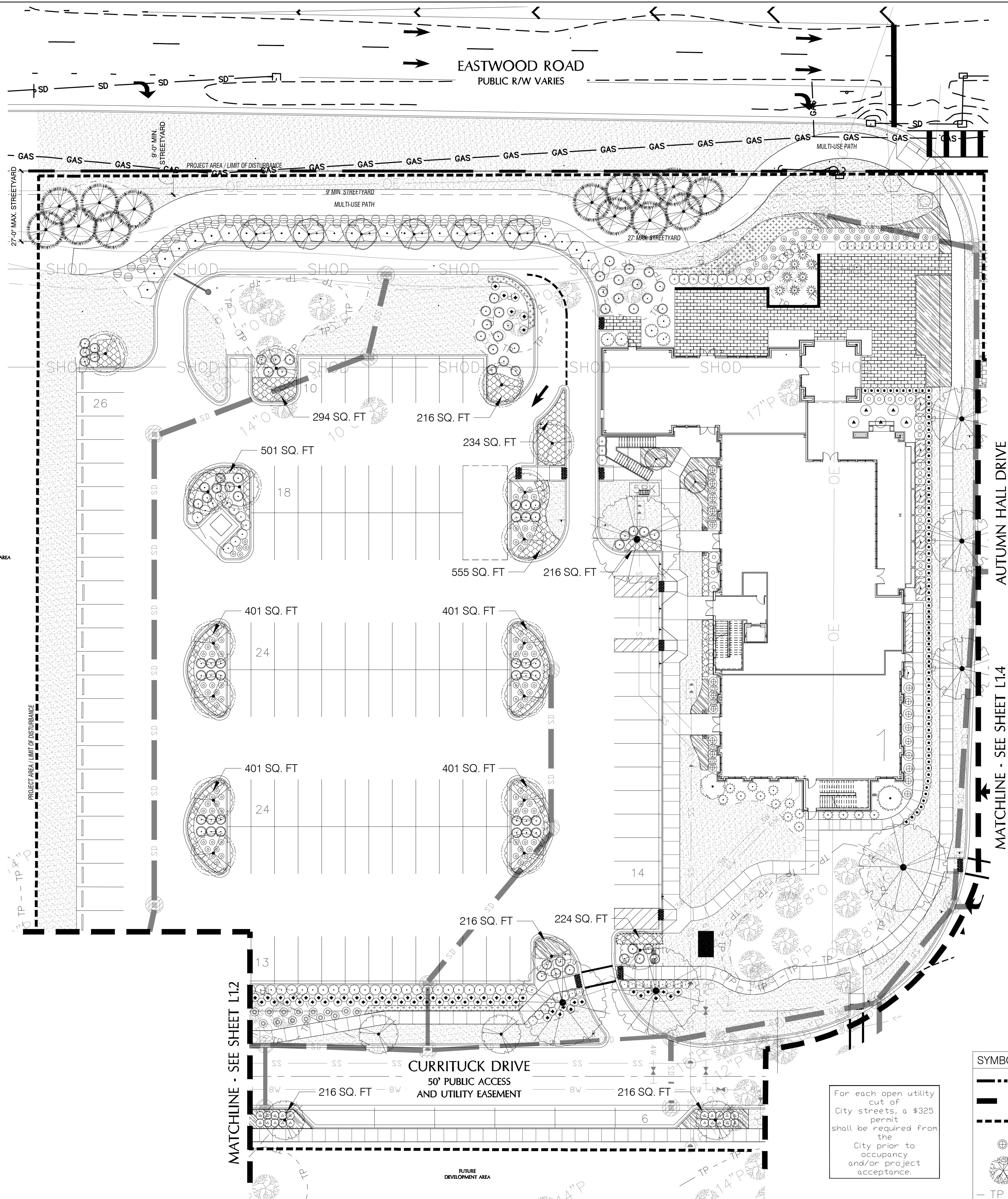
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Checked by: JWM

Sheet Title:
PLANTING PLAN

Sheet Number:
L1.1
of 5 sheets



PLANT SCHEDULE L1.3

TREES	BOTANICAL / COMMON NAME	CONT.	CAL.	RANGE	QTY
	Acer palmatum / Green Leaf Japanese Maple	15 gal	1.5" CAL	5-6' HT	2
	Cercis c. Forest Pansy™ / Forest Pansy Redbud	--	3" CAL		6
	Ilex x 'Nellie R Stevens' / Nellie Stevens Holly	B & B		8-10' HT	1
	Magnolia g. 'Little Gem' / Dwarf Southern Magnolia	30 GAL	2" CAL	7-8' HT	1
	Pinus palustris / Longleaf Pine	--	3" CAL		14
	Quercus shumardi / Shumard Red Oak	B & B	3" CAL	10-12' HT	3
	Quercus virginiana / Southern Live Oak	B & B	3" CAL	10-12' HT	22
	Quercus virginiana / Southern Live Oak	B & B	6" CAL	18'-20' HT.	4
SHRUBS	BOTANICAL / COMMON NAME	SIZE	RANGE	QTY	
	Azalea l. 'Formosa' / Formosa Azalea	3 gal	18-24" HT	88	
	Buxus m. 'Wintergreen' / 10 gal. Boxwood	10 gal	24-30" HT	39	
	Buxus m. 'Wintergreen' / 3 gal. Boxwood	3 gal	12-18" HT	80	
	Colocasia gigantea / Giant Elephant Ear	3 gal		8	
	Distylium myricoides 'Cinnamon Girl'	3 gal	24-36" HT	15	
	Fatsia japonica / Japanese Fatsia	7 gal	24-30" HT	5	
	Gardenia j. 'Frostproof' / Frostproof Gardenia	3 gal	18-24" HT	24	
	Hydrangea p. 'Limelight'™ / Limelight Hydrangea	3 gal	18-24" HT	5	
	Ilex vomitoria 'Nana' / Dwarf Yaupon	7 gal	18-24" HT	20	
	Ligustrum j. 'Recurvifolium' / Wax leaf ligustrum	7 gal	36" HT	38	
	Ligustrum japonicum / Tree Form Ligustrum	B&B	6-8' HT	6	
	Miscanthus s. 'Adagio' / Adagio Eulalia Grass	3 gal	18-24" HT	59	
	Nandina domestica 'Firepower' / Heavenly Bamboo	3 gal	15-24" HT	11	
	Pittosporum tobira 'Wheeler's Dwarf' / Dwarf Pittosporum	3 gal	12-18" HT	14	
	Podocarpus macrophyllus maki / Shubby Yew	7 gal	3-4' HT	13	
	Rhaphiolepis x 'Moritic' / MB Indian Hawthorn	7 gal	24-30" HT	9	
	Rosa x 'Knockout'™ / Rose	3 gal	18-24" HT	63	
	Rosa x 'Meigalpio' / Red Drift Rose	3 gal	12-15" HT	119	
	Sabal minor / Dwarf Palmetto	3 gal	18-24" HT	8	
	Viburnum odoratissimum / Sweet Viburnum	15 gal	3-4' HT	28	
GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	RANGE	SPACING	QTY
	Liriope gigantea / Giant Liriope	1 GAL	12-18" HT	24" o.c.	379
	Liriope muscari / Lily Turf	1 GAL	6-12" HT	18" o.c.	241
	Ruellia brittaniana / Mexican Petunia	3 gal	15-24" HT	24" o.c.	55
	Tachelospermum a. 'Asiatic' / Asiatic Jasmine	1 qt	6-12" HT	12" o.c.	1,462

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

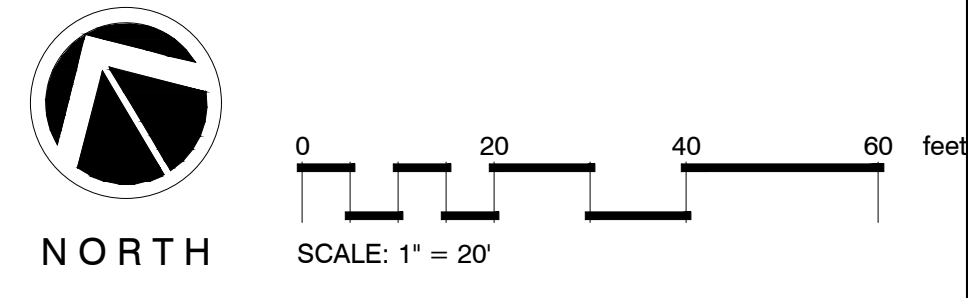
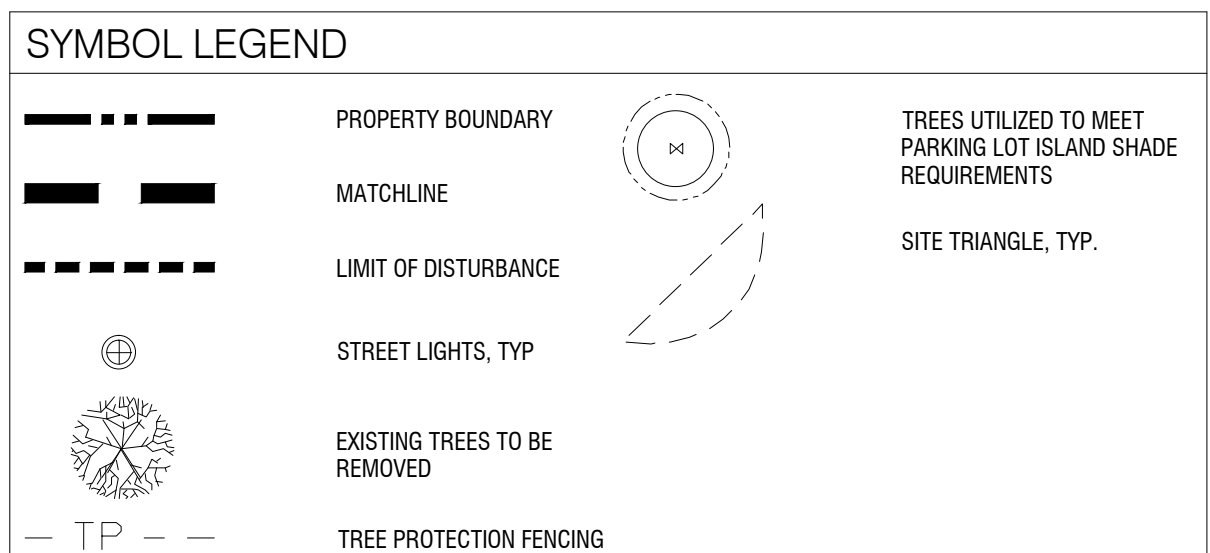
 Date: _____ Permit # _____

 Signed: _____

Approved Construction Plan	
Name	Date
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Traffic	
Fire	

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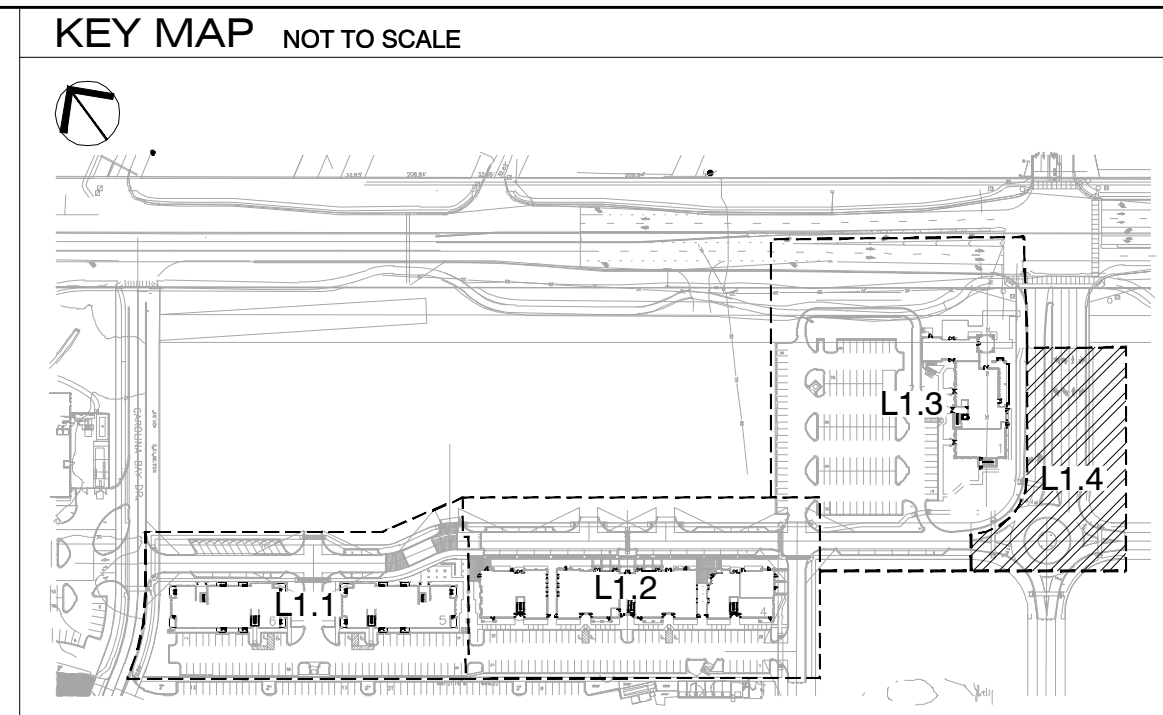
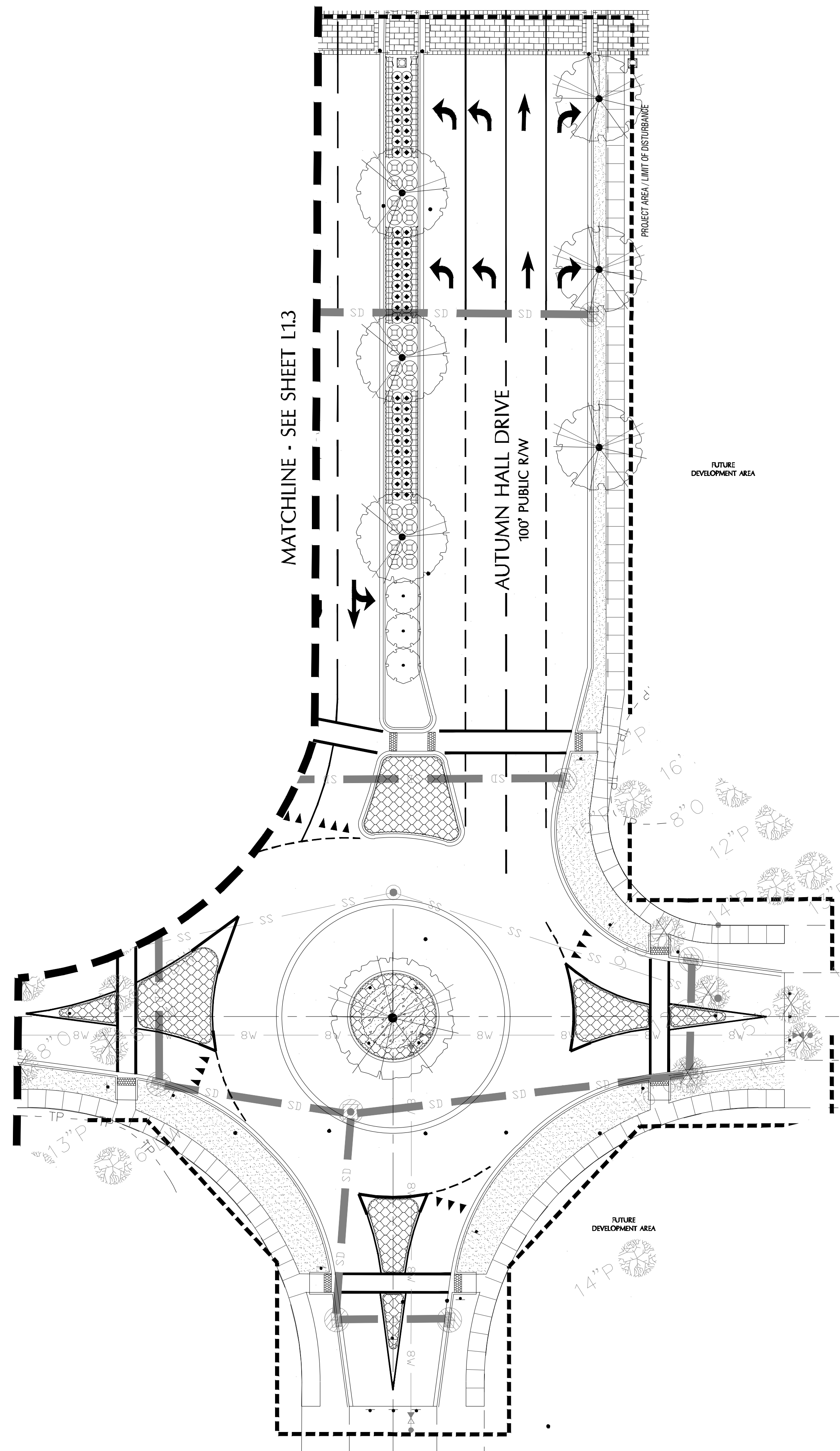
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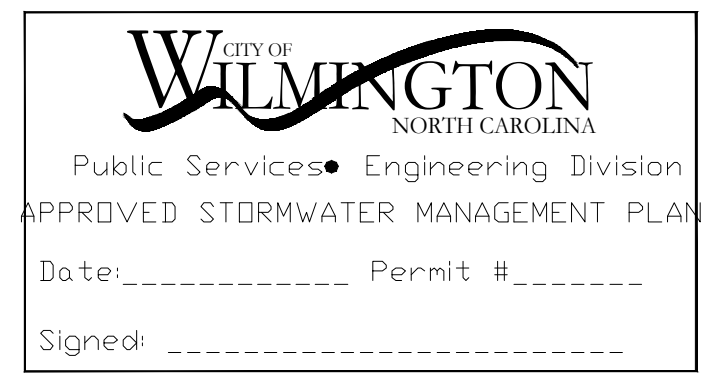
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PLANT SCHEDULE L1.4

TREES	BOTANICAL / COMMON NAME	CONT	CAL	RANGE	QTY
	Ilex x 'Nelle Stevens' / Nelle Stevens Holly	B & B		8-10' HT	3
	Quercus shumardii / Shumard Red Oak	B & B	3" CAL	10-12' HT	3
	Quercus virginiana / Southern Live Oak	B & B	3" CAL	10-12' HT	3
	Quercus virginiana / Southern Live Oak	B & B	6" CAL	18'-20' HT.	1
SHRUBS	BOTANICAL / COMMON NAME	SIZE	RANGE	QTY	
	Camellia s. 'Hana Jiman' / White Camellia	7 gal	24-36" HT	24	
	Rosa x 'Knockout' TM / Rose	3 gal	18-24" HT	54	
SHRUB AREAS	BOTANICAL / COMMON NAME	SIZE	RANGE	SPACING	QTY
	Muhlenbergia capillaris / Pink Muhly	3 GAL	12-15" HT	24" o.c.	62
GROUND COVERS	BOTANICAL / COMMON NAME	SIZE	RANGE	SPACING	QTY
	Liriope m. 'Variegata' / Variegated Lily Turf	1 GAL	6-12" HT	18" o.c.	128
	Trachelospermum a. 'Asiatic' / Asiatic Jasmine	1 qt	6-12" HT	12" o.c.	1,613

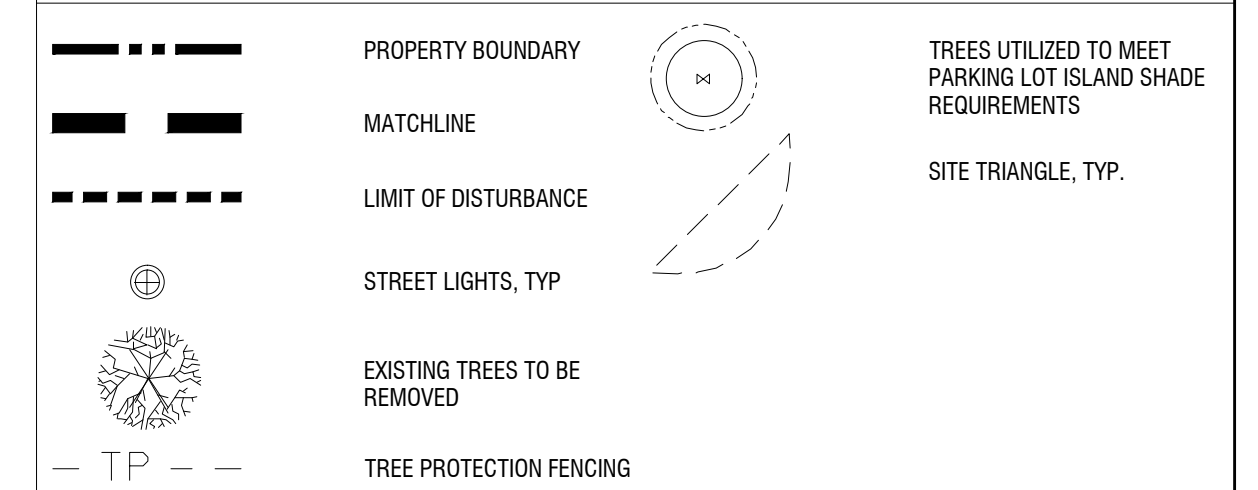
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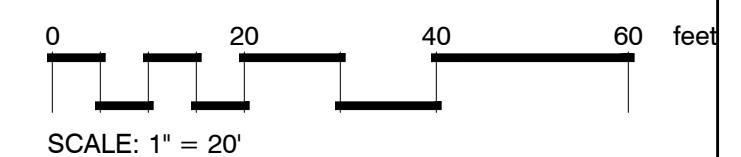
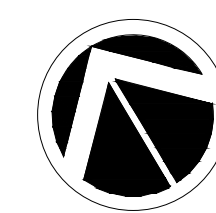
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