

SITE DATA TABULATION
 OWNER: CARMAX OF WILMINGTON
 PROJECT ADDRESS: 6030 MARKET STREET WILMINGTON, NC 28403
 TAX PARCEL IDENTIFICATION #: R05000-002-010-000 (13.83 AC) - LOT 1
 RECORDED DEED BOOK: BK 2664, PG 331 (ESMT) - LOT 1
 BK 1783, PG 1251 - LOT 1
 BK 2664, PG 324 (ESMT) - LOT 2
 BK 1425, PG 1328 - LOT 2
 TOTAL SITE AREA: 15.038 ACRES (655,056 SF)
 CURRENT ZONING: RB - REGIONAL BUSINESS URBAN
 CAMA LAND USE CLASSIFICATION: UNDEVELOPED
 MAXIMUM ALLOWABLE BUILDING HEIGHT: 35'
 EXISTING LAND USE: UNDEVELOPED
 PROPOSED LAND USE: AUTOMOBILE DEALER - USED

6030 Market St Tree Survey

Quantity of Trees	Caliper Inches/ Tree	Tree Common Name	Tree Type	% Mitigation	Total Cal. Inches
Significant Trees					
Category I Mitigation (100%)					
3	24	MAPLE	hardwood	100	72
1	28	MAPLE	hardwood	100	28
1	24	OAK	hardwood	100	24
Category II Mitigation (75%)					
3	8	CHERRY	ornamental flowering	75	24
3	9	CHERRY	ornamental flowering	75	27
5	12	CHERRY	ornamental flowering	75	60
1	9	MAGNOLIA	ornamental flowering	75	9
1	11	MAGNOLIA	ornamental flowering	75	11
Category III Mitigation (50%)					
1	24	PINE	conifer	50	24
Category IV Mitigation (25%)					
1	8	MIMOSA	ornamental flowering	25	8
Total Significant Tree Caliper Inches to be Removed on Site					287

Regulated Trees

Category I Mitigation (100%)	Quantity of Trees	Caliper Inches/ Tree	Tree Common Name	Tree Type	% Mitigation	Total Cal. Inches
1	12	BAY	hardwood	100 assumed - not in table IV Sec. 18-520	100	12
4	8	HACKBERRY	hardwood	100 assumed - not in table IV Sec. 18-520	100	32
1	10	HACKBERRY	hardwood	100 assumed - not in table IV Sec. 18-520	100	10
1	11	HACKBERRY	hardwood	100 assumed - not in table IV Sec. 18-520	100	11
19	8	MAPLE	hardwood	100	152	
10	9	MAPLE	hardwood	100	90	
5	10	MAPLE	hardwood	100	50	
10	11	MAPLE	hardwood	100	110	
1	12	MAPLE	hardwood	100	12	
6	13	MAPLE	hardwood	100	78	
1	14	MAPLE	hardwood	100	14	
1	15	MAPLE	hardwood	100	15	
6	16	MAPLE	hardwood	100	96	
1	18	MAPLE	hardwood	100	18	
1	19	MAPLE	hardwood	100	19	
1	20	MAPLE	hardwood	100	20	
1	22	MAPLE	hardwood	100	22	
5	8	OAK	hardwood	100	40	
12	9	OAK	hardwood	100	108	
9	10	OAK	hardwood	100	90	
13	11	OAK	hardwood	100	143	
3	12	OAK	hardwood	100	36	
5	14	OAK	hardwood	100	70	
1	15	OAK	hardwood	100	15	
1	17	OAK	hardwood	100	17	
2	18	OAK	hardwood	100	36	
1	8	SOURWOOD	hardwood	100	8	
1	9	SOURWOOD	hardwood	100	9	
1	10	SOURWOOD	hardwood	100	10	

Category II Mitigation (75%)

12	12	CEDAR	conifer	75	12
1	8	SYCAMORE	hardwood	75	8
1	9	SYCAMORE	hardwood	75	9
2	10	SYCAMORE	hardwood	75	20
13	13	SYCAMORE	hardwood	75	13

Category III Mitigation (50%)

9	9	PERSIMMON	hardwood	50	9
2	11	PERSIMMON	hardwood	50	22
2	13	PERSIMMON	hardwood	50	26
25	12	PINE	conifer	50	300
30	13	PINE	conifer	50	390
4	14	PINE	conifer	50	56
11	15	PINE	conifer	50	165
3	16	PINE	conifer	50	48
2	17	PINE	conifer	50	34
Total Regulated Tree Caliper Inches to be Removed on Site					2455
Total Significant Tree Caliper Inches to be Removed on Site					287
Total Caliper Inches to be Removed on Site					2742

TREE MITIGATION CALCULATIONS

SIGNIFICANT TREE MITIGATION TOTAL

Category 1 (100% MITIGATION): (63) 3" CAL. TREES
 Category 2 (75% MITIGATION): (68) 3" CAL. TREES
 Category 3 (50% MITIGATION): (8) 3" CAL. TREES
 Category 4 (25% MITIGATION): (2) 3" CAL. TREES

TREE PRESERVATION CREDIT:
 200 TREE CREDITS (SEE TREE SAVE TABLE THIS SHEET)

- NO MITIGATION PLANTINGS OR FEE REQUIRED
 - ALL TREES TO BE REMOVED ARE INCLUDED AS PART OF NECESSARY SITE IMPROVEMENTS.

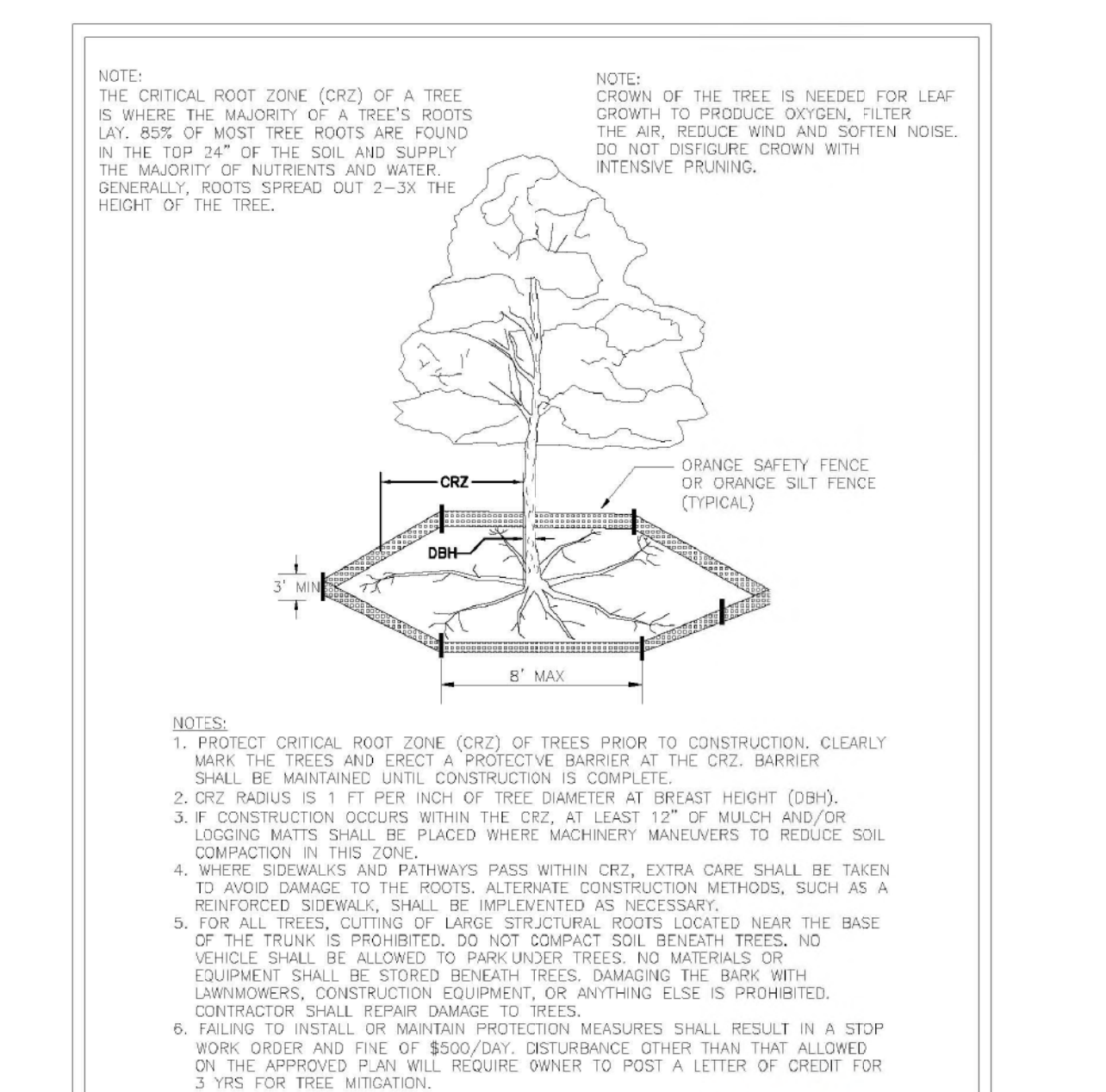
TREE REMOVAL NOTES:

- 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 TREE PROTECTION FENCING.

CONTROL CORNER EDWARDS HOLDINGS, LLC
 R05006-004-004-000
 E:2347528.80
 BK 2657, PG 486 (ESMT)
 TRACT II
 ZONED RB
 USE: 551-RETAIL AUTO

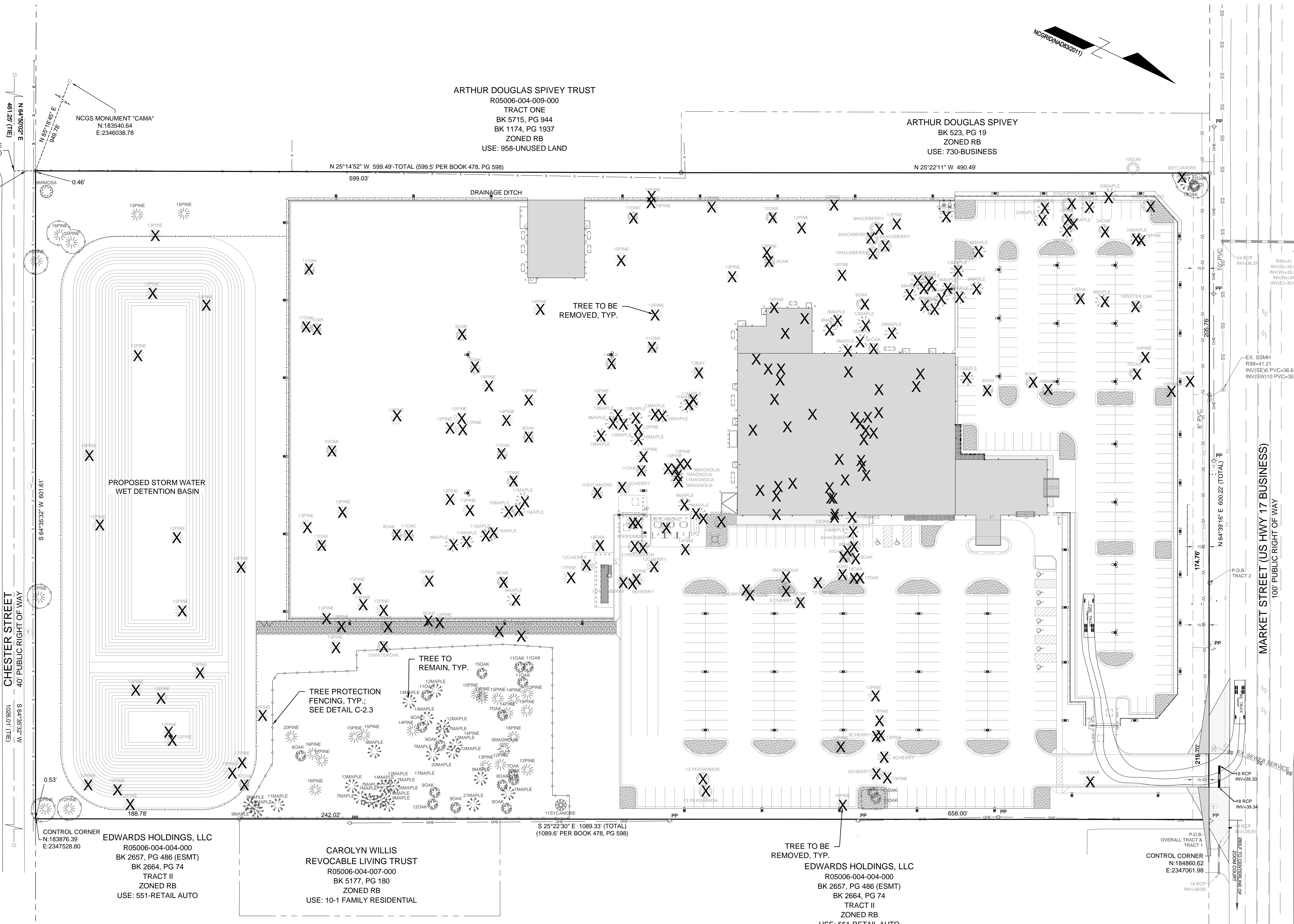
CAROLYN WILLIS REVOCABLE LIVING TRUST
 R05006-004-007-000
 BK 5177, PG 180
 ZONED RB
 USE: 10-1 FAMILY RESIDENTIAL

EDWARDS HOLDINGS, LLC
 R05006-004-004-000
 BK 2657, PG 486 (ESMT)
 TRACT I
 ZONED RB
 USE: 551-RETAIL AUTO



STANDARD DETAIL TREE PROTECTION DURING CONSTRUCTION
 DATE: JAN 2011
 DRAWN BY: JRM
 CHECKED BY: JRM
 WMAP - METROSCALE
 SHEET 1 of 2

STANDARD DETAIL TREE PROTECTION DURING CONSTRUCTION
 DATE: JAN 2011
 DRAWN BY: JRM
 CHECKED BY: JRM
 WMAP - METROSCALE
 SHEET 2 of 2



TREES TO BE SAVED

TREE TYPE	NUMBER	CAL. IN.	CREDIT
10 OAK	1	10	2
10 SOUR WOOD	1	10	2
10 MAPLE	1	10	2
11 MAPLE	1	11	2
11 OAK	1	11	2
11 SYCAMORE	6	11	12
12 MAPLE	2	12	6
12 OAK	2	12	6
12 PINE	5	12	15
13 MAPLE	3	13	9
13 PINE	4	13	12
14 MAPLE	2	14	6
14 PINE	3	14	9
15 MAPLE	1	15	3
15 OAK	1	15	3
15 PINE	5	15	15
16 MAPLE	1	16	3
16 PINE	7	16	21
17 PINE	1	17	3
18 PINE	1	18	4
20 PINE	1	20	4
5 MAGNOLIA	1	5	1
6 OAK	1	6	2
7 CHERRY	1	7	2
7 MAPLE	7	7	14
7 OAK	4	7	8
8 OAK	1	8	4
9 MAPLE	5	9	10
9 MIMOSA	1	9	2
9 OAK	1	9	2
9 MAPLE	4	9	2
9 OAK	1	9	2
TOTAL TREES TO BE SAVED	80	TOTAL CREDIT	200

NOTE: 1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
 2. WARNING SIGNS TO BE MADE OF DURABLE WEATHERPROOF MATERIAL. LETTERS TO BE 4" HIGH, MINIMUM, CLEARLY LEGIBLE AND SHARPER AS DETAIL.
 3. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THROUGHOUT FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
 4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.
 5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
 6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON BASED ON ACTUAL FIELD CONDITIONS.

STANDARD DETAIL TREE PROTECTION DURING CONSTRUCTION
 DATE: JAN 2011
 DRAWN BY: JRM
 CHECKED BY: JRM
 WMAP - METROSCALE
 SHEET 2 of 2

PARAMOUNT ENGINEERING INC.
 122 Cinema Drive
 Wilmington, North Carolina, 28403
 (910) 791-6707 (O) (910) 791-6700 (F)
 NC License # C-2846

SFS/ A SVC/ FQC 100% DISTRIBUTION

RELEASED FOR CONSTRUCTION
 LATEST DATE: DA17-004/ PC17-006
 DRAWN BY: RPB
 CHECKED BY: RPB

REV#	DATE	DESCRIPTION	BY
07	MAR 17	CHECKPOINT #1	
11	APR 17	CHECKPOINT #2	
25	APR 17	100% DISTRIBUTION	

THE CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN
 Date: _____ Permit # _____
 Signed: _____

811 Know what's below. Call before you dig.

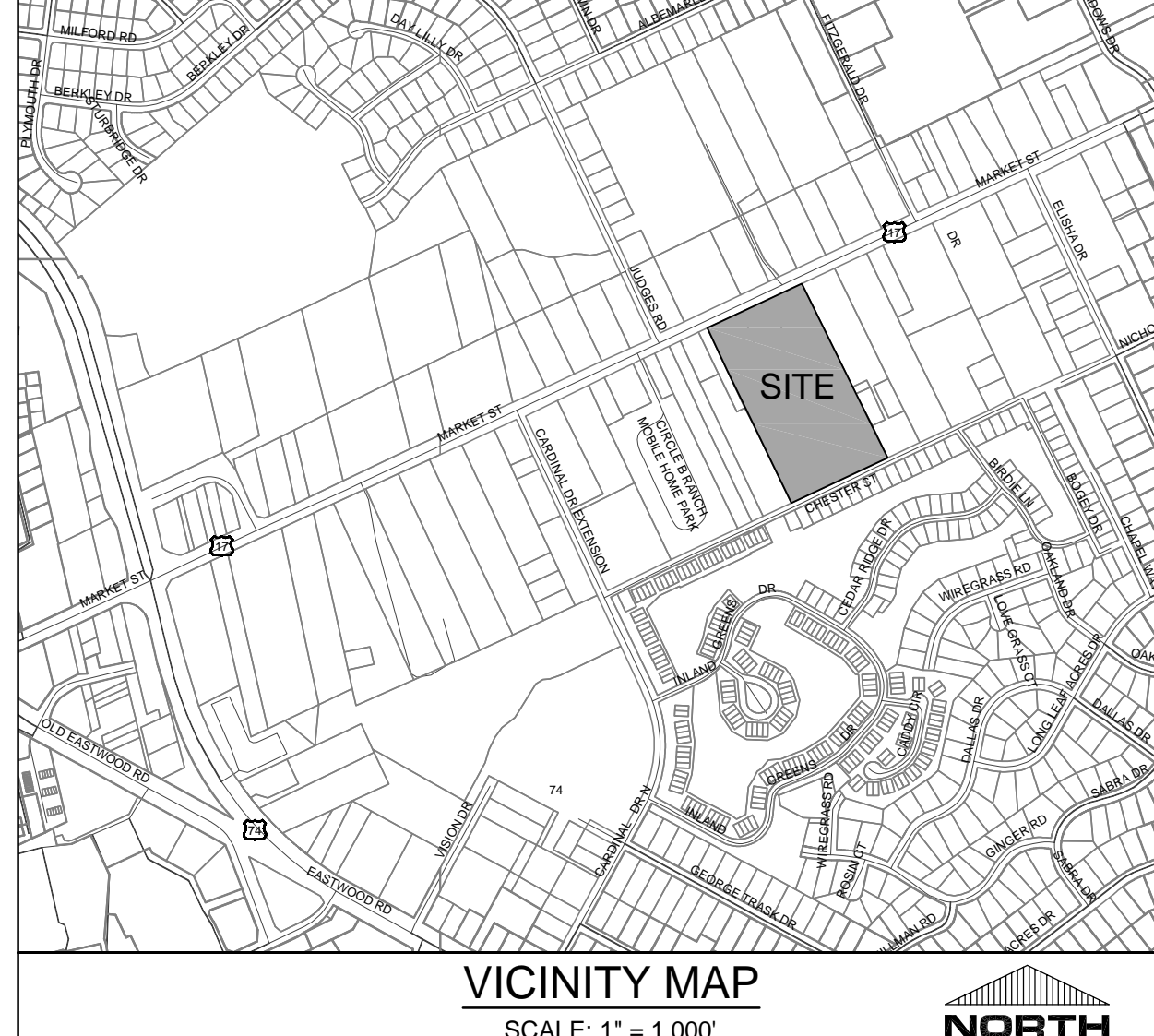
For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

NC DENR PWSS WATER PERMIT #: _____ GPD
 WATER CAPACITY: _____ GPD
 DWQ SEWER PERMIT #: _____ GPD
 SEWER CAPACITY: _____ GPD
 SEWER SHED # AND PLANT: _____
 SEWER TO FLOW THROUGH NET: YES or NO (CIRCLE ONE)

CARMAX THE AUTO SUPERSTORE
 STORE NUMBER 6022
 6030 MARKET STREET
 WILMINGTON, NC 28405

PROJECT NO. 20-15081.02
DATE 25 APR 17
SHEET TITLE TREE REMOVAL PLAN
SHEET NO. C-2.3

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION



VICINITY MAP
SCALE: 1" = 1,000'

SITE DATA TABULATION

OWNER: CARMAX OF WILMINGTON
6030 MARKET STREET
WILMINGTON, NC 28403

PROJECT ADDRESS: R05000-002-010-000 (13.83 AC) - LOT 1

TAX PARCEL IDENTIFICATION #: R05000-002-004-001 (1.20 AC) - LOT 2
BK 2664, PG 331 (ESMT) - LOT 1
BK 1783, PG 1251 - LOT 1
BK 2664, PG 324 (ESMT) - LOT 2
BK 1425, PG 1328 - LOT 2

RECORDED DEED BOOK: 15,038 ACRES (685,055 SF)
R8 - REGIONAL BUSINESS
URBAN
35'
UNDEVELOPED
AUTOMOBILE DEALER - USED

LANDSCAPE CALCULATIONS

REQUIRED FOUNDATION PLANTINGS (BLDG LENGTH X BLDG HGT) X 12%
EASTERN SIDE: (286 X 28) X 0.12 = 960 SF REQUIRED
PROVIDED: 1,330 SF

NORTHERN SIDE: (52 X 28) X 0.12 = 175 SF REQUIRED
PROVIDED: 175 SF

WESTERN SIDES: (85 X 28) X 0.12 = 286 SF REQUIRED
PROVIDED: 286 SF

NORTHWESTERN SIDE: (99 X 28) X 0.12 = 333 SF REQUIRED
PROVIDED: 492 SF

STREETYARD CALCULATIONS

REQUIRED PRIMARY STREETYARD (LENGTH OF FRONTAGE - DRIVEWAY) X 25'
REQUIRED: (600 - 30) X 25 = 14,375 SF
14,375 SF @ 600 SF = 24, 24 X 1 CANOPY TREE = 24 CANOPY TREES; 24 X 6 SHRUBS = 144 SHRUBS
PROVIDED: 15,119 SF

24 CANOPY TREES (INCLUDING 3 EXISTING TREES); 151 SHRUBS

REQUIRED SECONDARY STREETYARD (LENGTH OF FRONTAGE - DRIVEWAY) X 12.5'
REQUIRED: 600 X 12.5 = 7,500 SF
7,500 SF @ 600 SF = 12.5 OR 13, 13 X 1 CANOPY TREE = 13 CANOPY TREES; 13 X 6 SHRUBS = 78 SHRUBS
PROVIDED: 7,512 SF

14 CANOPY TREES (INCLUDING 3 EXISTING TREES); 90 SHRUBS

- LANDSCAPE NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. TREES SHALL BE LOCATED NO CLOSER THAN 5 FEET FROM SEWER/WATER CONNECTIONS OR AS OTHERWISE DICTATED BY LOCAL REGULATIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
 - ALL PLANT MATERIAL SHALL MEET THE CURRENT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS.
 - NO TREES OTHER THAN THOSE SHOWN ON APPROVED PLANS FOR REMOVAL WITH THESE PLANS AND/OR TREE REMOVAL PERMIT PLANS, SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. ALL SHRUB BEDS AND/OR PLANTING AREAS EXCLUDING TURF AREAS SHALL BE MULCHED WITH 3 INCH MINIMUM AND 4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED.
 - ALL PLANTS, 4 FEET OR LESS APART, WILL BE CONNECTED IN ONE PLANTING BED. ALL GROUPS OF PLANTS SHOULD BE WITHIN ONE PLANTING BED WITH THE EDGE OF MULCH EXTENDING 2 FEET BEYOND THE EDGE OF PLANT MASS. ALL SINGLE TREES (INCLUDING BOTH PROPOSED AND EXISTING TREES) SHOULD HAVE A CIRCLE OF MULCH NOT LESS THAN 5 FEET DIAMETER.
 - PLANTING SOIL MIX: MIX EXISTING SOIL WITH THE SOIL AMENDMENTS AND FERTILIZERS IN THE QUANTITIES RECOMMENDED BY THE SOIL TESTING LABORATORY. THIRD PARTY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE OR AS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
 - ANY AND ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. FAILURE IN OBTAINING APPROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR.
 - THE CONTRACTOR SHALL REPLACE DEAD AND/OR UNHEALTHY PLANT MATERIAL WITHIN 12 MONTHS OF ACCEPTANCE OF THE INSTALLED MATERIAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL PREPARE ALL SEEDS OR SODDED AREAS TO ASSURE THAT THE SUBGRADE HAS BEEN RAKED AND ROLLED TO ACCEPT THE SOD/SEED. ALL SOD/SEED AREAS MUST BE IRRIGATED OR HAND WATERED. ALL SOD SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN SOD JOINTS. SOD SHOULD BE ROLLED AFTER INSTALLATION. ALL SEEDED AND/OR SODDED AREAS SHOULD PROVIDE A SMOOTH SURFACE FREE OF DIPS AND UNLEVELED GROUND.
 - IRRIGATION SHALL BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATION CONTRACTOR IN THE STATE OF NORTH CAROLINA.
 - IF IRRIGATION IS REQUIRED, PLANS AND SPECIFICATIONS FOR THE IRRIGATION DESIGN SHALL BE SUBMITTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PURCHASE OR INSTALLATION OF THE MATERIALS.
 - CONTRACTOR IS RESPONSIBLE FOR REMOVING TRASH, DEBRIS AND EXCESS MATERIALS FROM THE JOB SITE ONCE THE PROJECT IS COMPLETE. SECURING ANY MATERIALS LEFT ON SITE DURING THE COURSE OF THE PROJECT IS THE CONTRACTOR'S RESPONSIBILITY.
 - ALL DISTURBED AREAS NOT DESIGNATED FOR SOD SHALL BE SEEDDED.
 - ALL LANDSCAPE ISLANDS ARE NOT TO BE SEEDDED. LANDSCAPE ISLANDS TO BE MULCHED AS PER OWNER OR OWNER'S REPRESENTATIVE SPECIFICATION.
 - ALL VEGETATION PROPOSED WITHIN SIGHT DISTANCE AREAS SHALL NOT INTERFERE WITH SIGHT DISTANCE FROM 30' TO 10'.

PLANT SCHEDULE

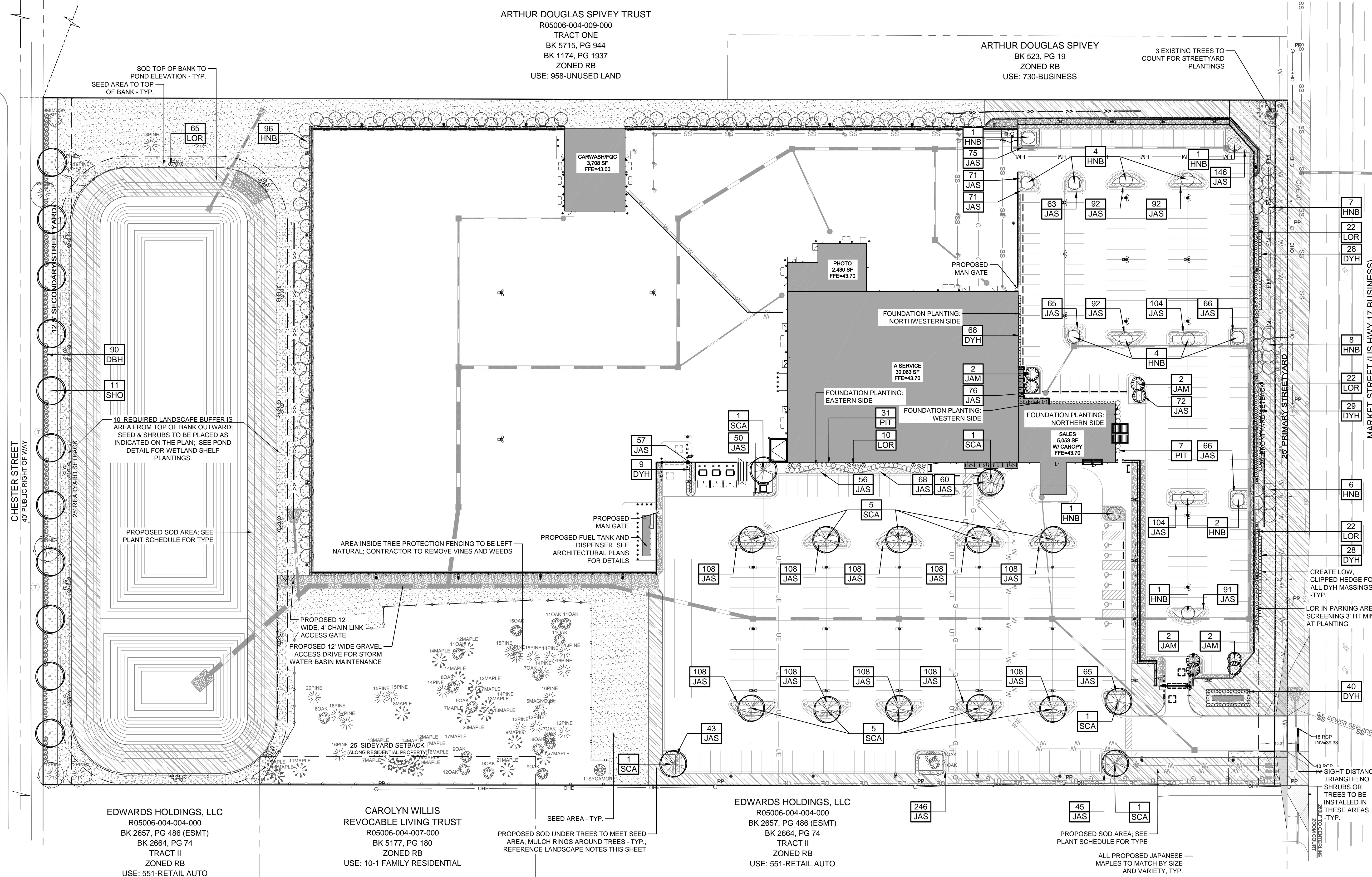
TREES	QTY	COMMON NAME	SIZE	
HNB	131	PYRAMIDAL EUROPEAN HORNBEAN CARPINUS BETULUS 'FASTIGIATA'	2.5' CAL	
JAM	8	JAPANESE MAPLE ACER PALMATUM	8 HGT. MIN.	
SCA	15	SCARLET OAK QUERCUS COCCINEA	2.5' CAL	
SHO	11	SHUMARD RED OAK QUERCUS SHUMARDII	2.5' CAL.	
SHRUBS	QTY	COMMON NAME	CONT	
DBH	90	DWARF BURFORD HOLLY ILEX CORNUA 'BURFORDII NANA'	7 GAL.	
DYH	202	BORDEAUX HOLLY ILEX VOMITORIA 'BORDEAUX'	7 GAL.	
LOR	141	RUBY LOROPETALUM LOROPETALUM 'RUBY'	7 GAL.	
PIT	38	DWARF PITTSPORIUM PITTSPORIUM TOBIARA 'WHEELER'S DWARF'	7 GAL.	
GROUND COVERS	QTY	COMMON NAME	CONT	SPACING
JAS	3,161	ASIATIC JASMINE TRACHELOSPERMUM A. ASIATIC'	4" POT	18" o.c.
SOD/SEED	QTY	COMMON NAME	CONT	SPACING
SEED	65,972 SF	BERMUDA GRASS CYNODON DACTYLON 'TIF 419'	SEED	
SOD	73,299 SF	BERMUDA GRASS CYNODON DACTYLON 'TIF 419'	SOD	

TREE NOTES:

- ALL TREES EXCEPT JAPANESE MAPLES ARE LARGE SHADE TREES.

MULCH NOTES:

- ALL MULCH SHALL BE PINE STRAW APPLIED AT 3" THICK MIN., 4" THICK MAX.



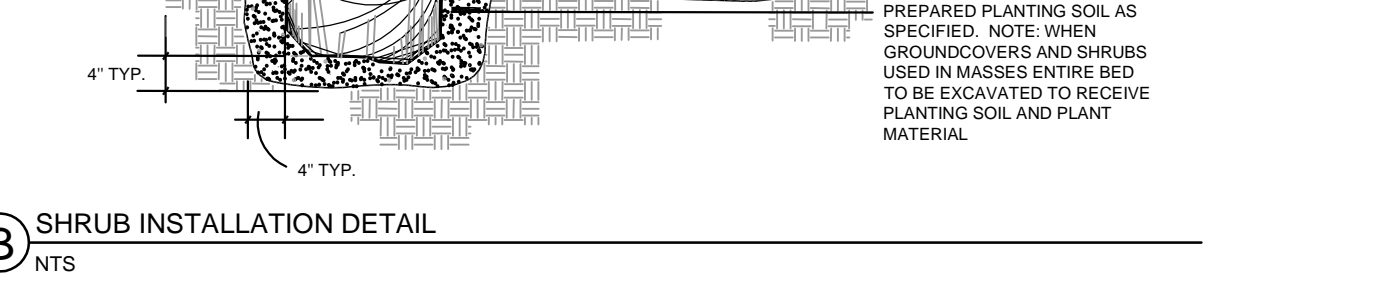
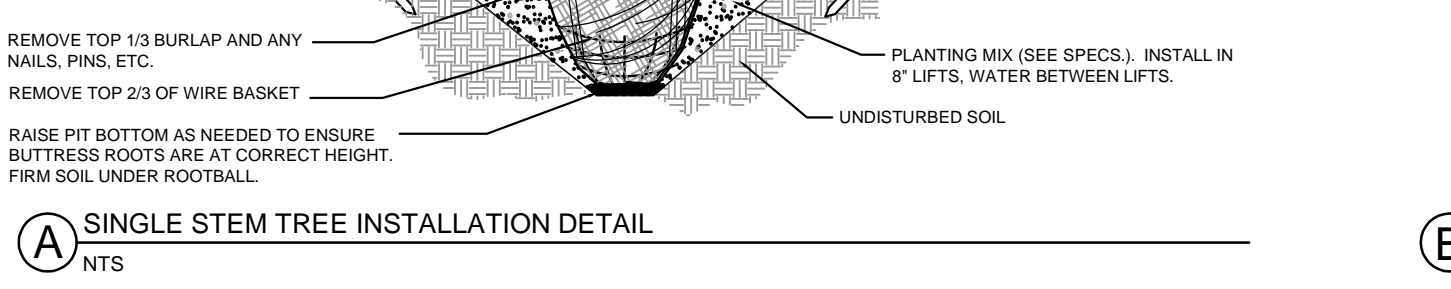
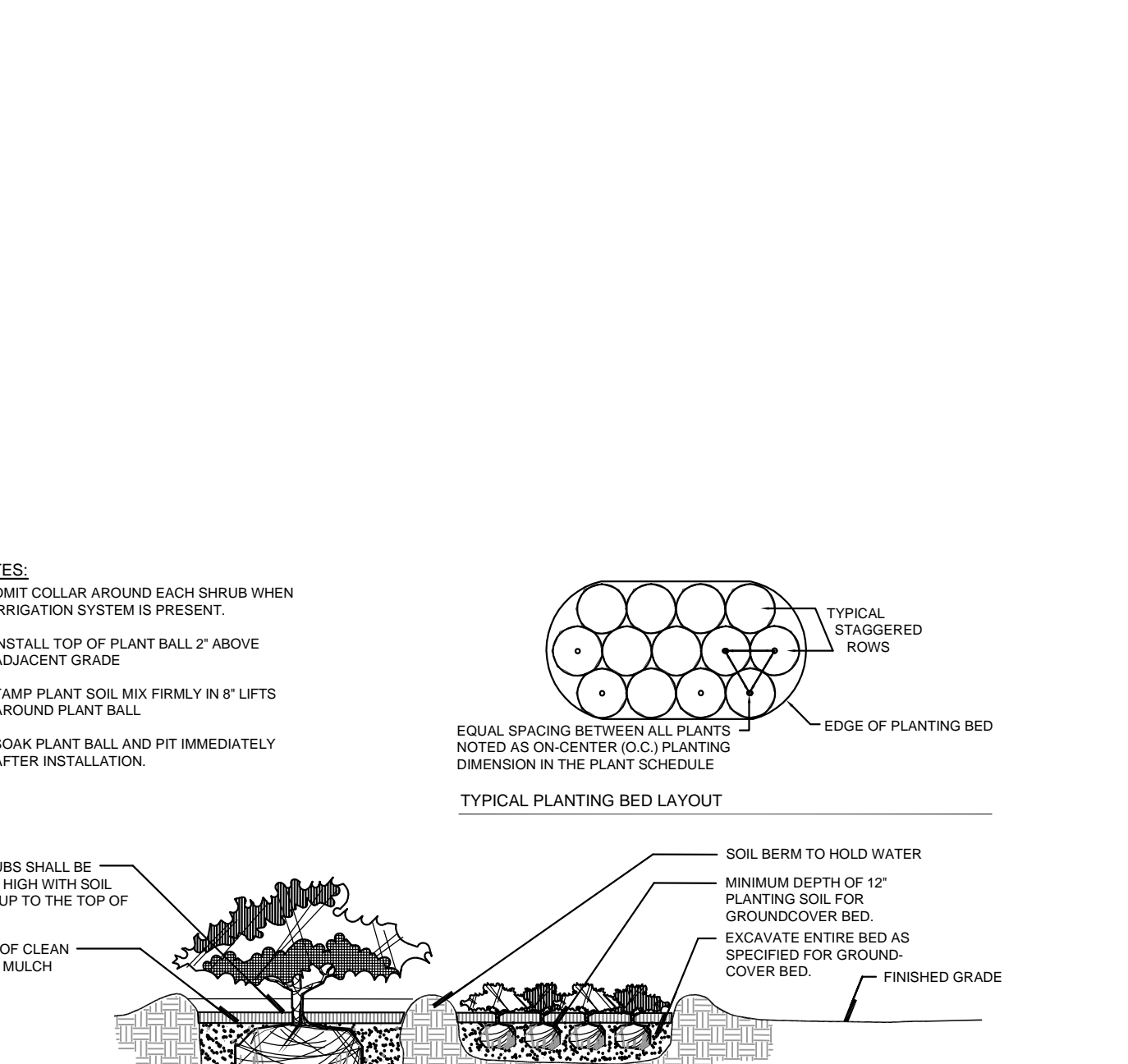
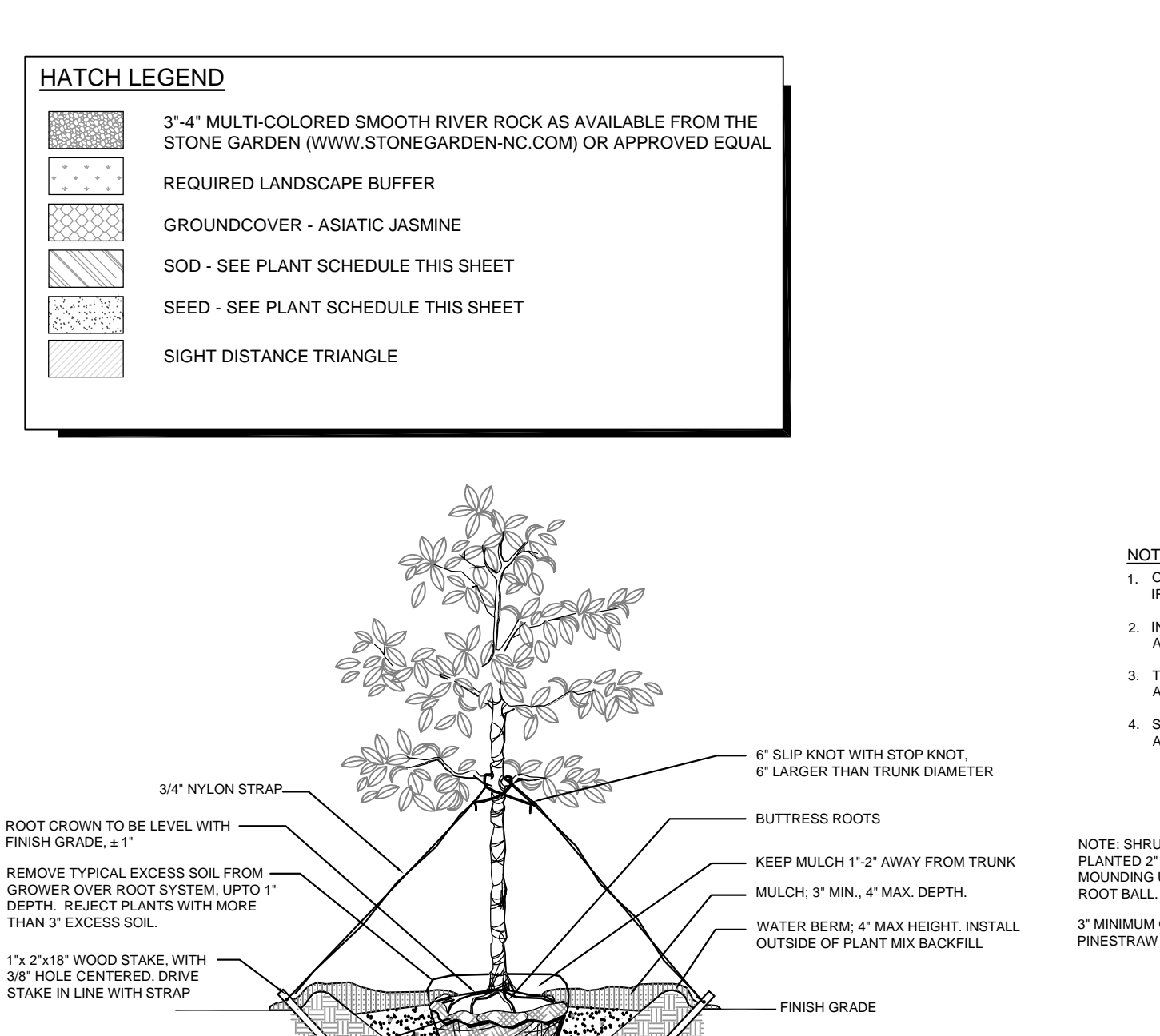
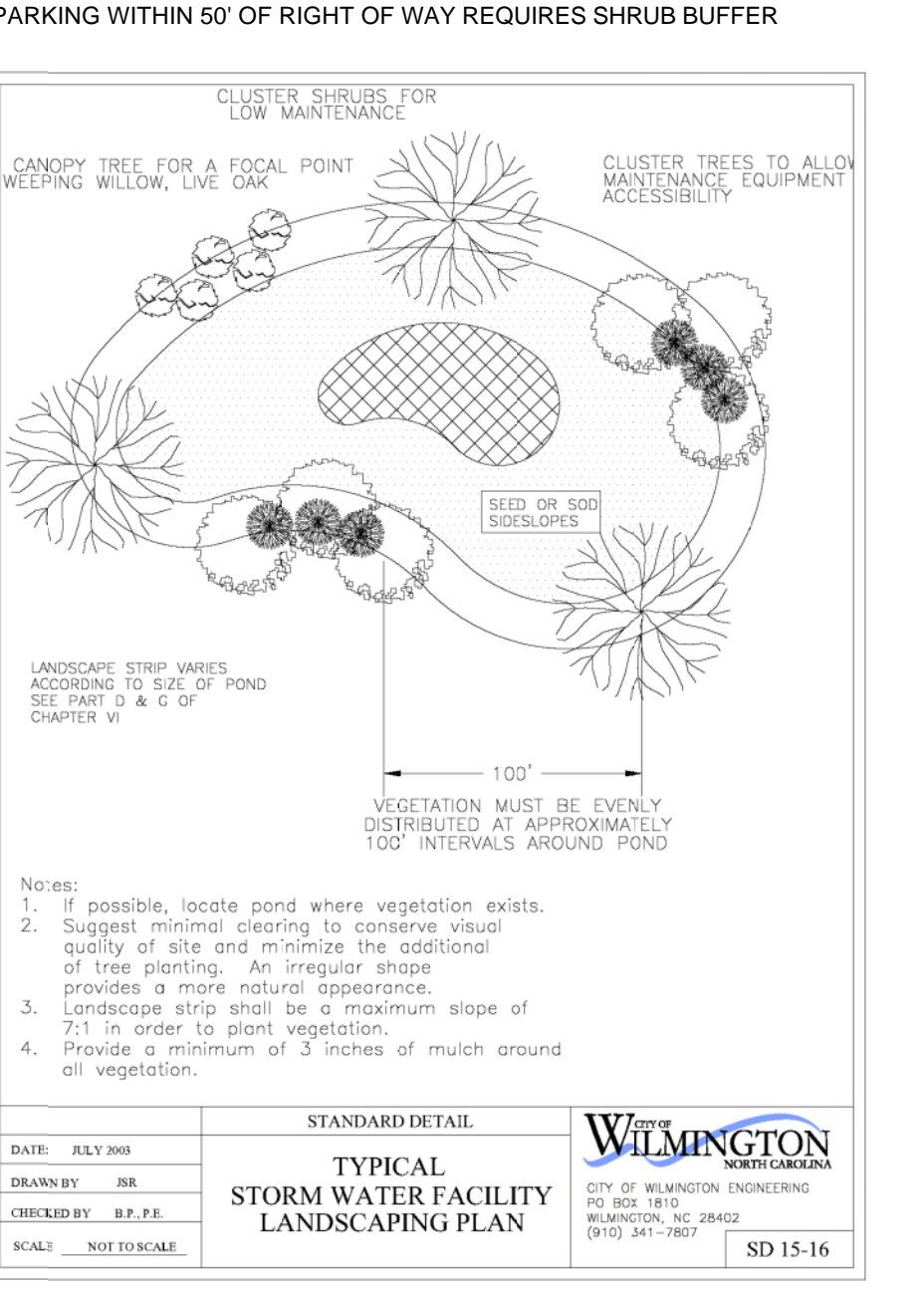
PARKING LANDSCAPE CALCULATIONS:

SHADING REQUIREMENTS:
PROVIDED: 4.05 AC X 20 = 0.81 AC REQUIRED
0.85 AC OR 37,862 SF
50 LARGE CANOPY @ 707 SF = 35,350 SF
OR 0.81 AC
8 SMALL CANOPY @ 314 SF = 2,512 SF
OR 0.04 AC
1 CANOPY TREE / ISLAND, GROUNDCOVER OR SHRUBS

PARKING REQUIREMENTS:
PARKING WITHIN 50' OF RIGHT OF WAY REQUIRES SHRUB BUFFER

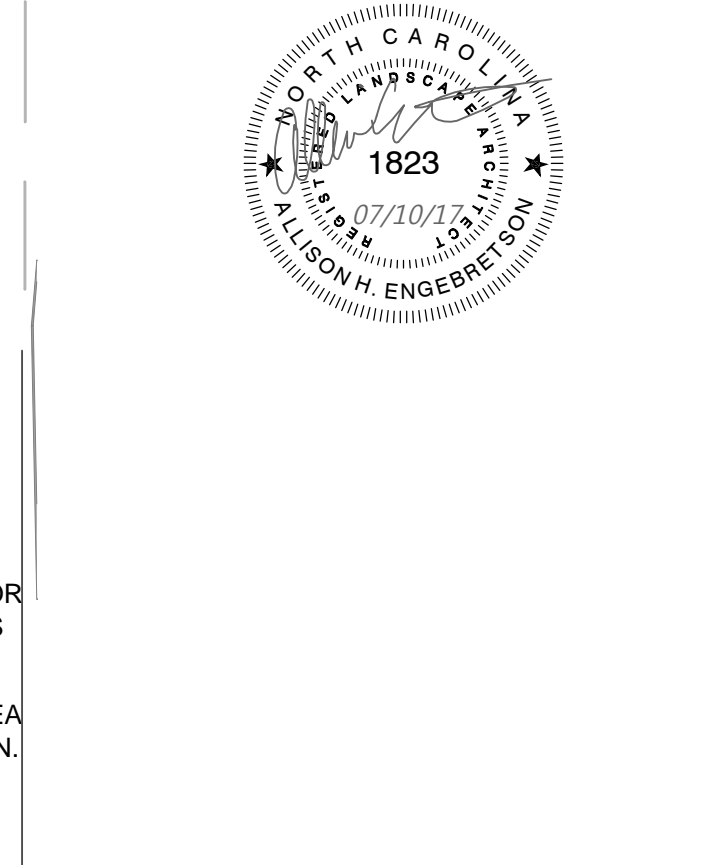
REAR FENCED PARKING AREA LANDSCAPE CALCULATIONS:

SHADING REQUIREMENTS:
PROVIDED: 3.9 AC X 20 = 0.78 AC REQUIRED
1.57 AC OR 68,579 SF
96 LARGE CANOPY @ 707 SF = 67,872 SF
OR 1.56 AC



PARAMOUNT ENGINEERING INC.
122 Cinema Drive
Wilmington, North Carolina, 28403
(910) 791-6707 (O) (910) 791-6700 (F)
NC License # C-2846

**SFS/ A
SVC/ FQC
100%
DISTRIBUTION**



RELEASED FOR CONSTRUCTION

LATEST DATE: DA17-004/ PC17-006

DRAWN BY: JCM

CHECKED BY: RPB

REVISIONS	REV#	DATE	DESCRIPTION	BY
	07	MAR 17	CHECKPOINT #1	
	11	APR 17	CHECKPOINT #2	
	25	APR 17	100% DISTRIBUTION	

CARMAX THE AUTO SUPERSTORE

STORE NUMBER 6022
6030 MARKET STREET
WILMINGTON, NC 28405

811
Know what's below. Call before you dig.

WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

Approved Construction Plan

Name _____ Date _____

Planning _____
Traffic _____
Fire _____

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

NCDEM/R PWSS WATER PERMIT #:
WATER CAPACITY: _____ GPD
DWQ SEWER PERMIT #:
SEWER CAPACITY: _____ GPD
SEWER SHED # AND PLANT:
SEWER TO FLOW THROUGH NET: YES or NO (CIRCLE ONE)

SHEET NO. L-1.0