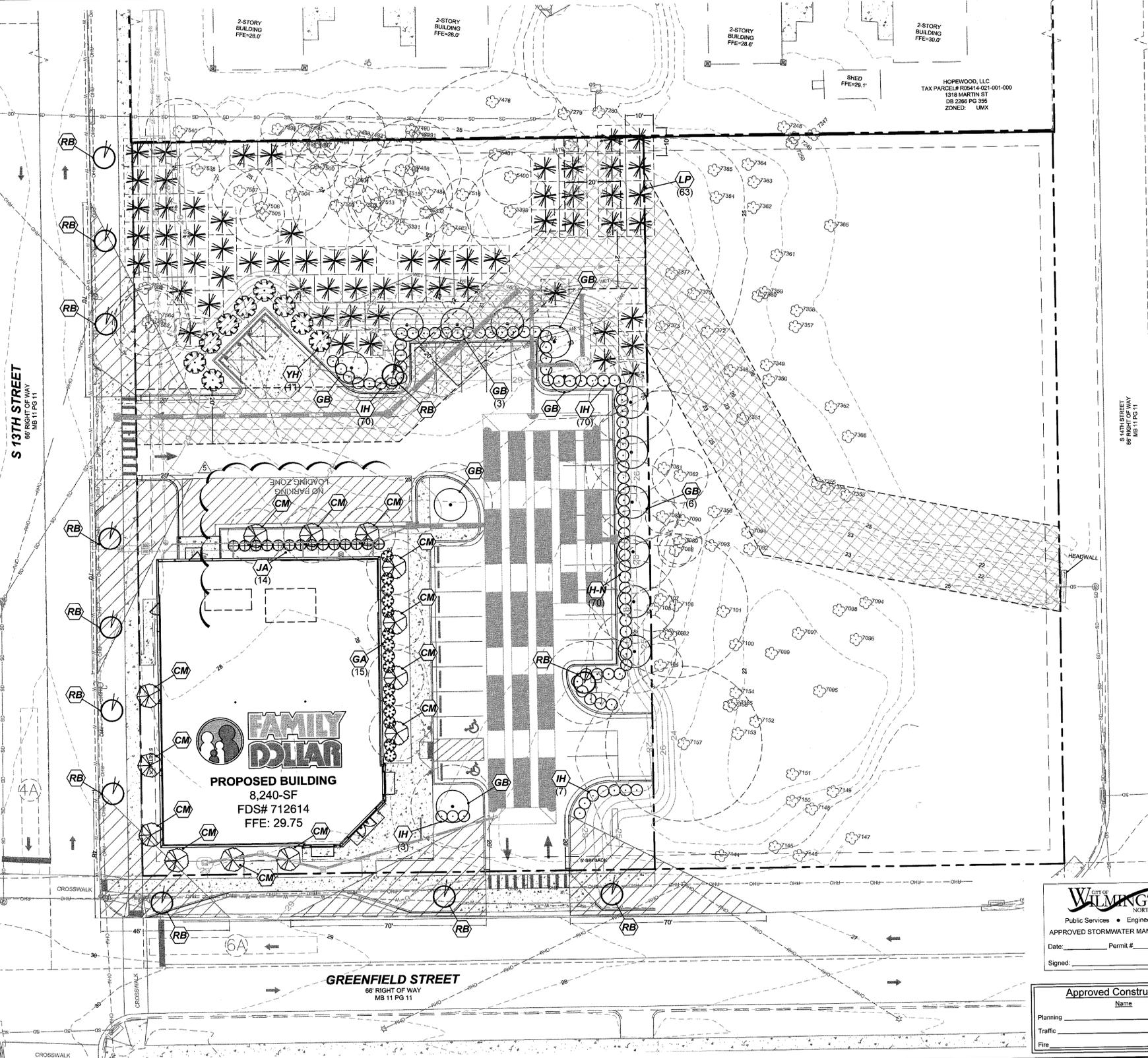


GARDEN LAKE ESTATES LIMITED
TAX PARCEL# R05414-022-001-000
1403 S 11TH ST
DB 2686 PG 538
ZONED: MF-M

S 13TH STREET
66' RIGHT OF WAY
MB 11 PG 11



FAMILY DOLLAR
PROPOSED BUILDING
8,240-SF
FDS# 712614
FFE: 29.75

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

Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
File _____

- ### LANDSCAPE NOTES
- ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM STANDARDS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC., WASHINGTON, D.C.
 - ALL PLANTS SHALL BE COMPACT, UNIFORM, & WELL GROWN. PLANTS SHALL NOT BE LOOSE, OPEN PLANTS. THE CLIENT'S LANDSCAPE ARCHITECT RESERVES THE RIGHT, IN OUR SOLE OPINION, TO REJECT ANY & ALL MATERIALS WHICH DO NOT MEET THESE REQUIREMENTS.
 - ALL PLANTING BEDS SHALL BE MULCHED A MINIMUM OF 4" WITH PINE NEEDLE MULCH.
 - ALL PLANTS SHALL BE FREE FROM DISEASE, INSECT INFESTATIONS, & INJURIES.
 - ALL PLANT BEDS SHALL HAVE A 4" V-CUT TRENCH INSTALLED AT THE PERIMETER OF THE BED.
 - CONTRACTOR MUST PROVIDE A ONE YEAR WRITTEN GUARANTEE FOR ALL PLANT MATERIALS FROM THE DATE OF FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT.
 - THE SPECIES, VARIETIES, & SIZE LISTED SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE PERMITTED ONLY UPON WRITTEN APPLICATION BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT, & WHEN APPROVAL BY SAID LANDSCAPE ARCHITECT IS IN WRITING.
 - SYMBOLS: B&B = BALLED & BURLAPPED; O.C. = ON CENTER; GAL. = GALLON CONTAINER; M.S. = MULTI-STEM; HT. = HEIGHT; CAL. = CALIPER.
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL PLANTS ILLUSTRATED ON THE PLANTING PLAN. IF ANY DISCREPANCIES EXIST BETWEEN THE QUANTITIES LISTED ON THE PLANT LIST & THE QUANTITIES SHOWN ON THE PLAN, THE CONTRACTOR SHALL PROVIDE ALL QUANTITIES ILLUSTRATED ON THE PLAN. IF ANY PLANTS ARE SHOWN NOT LABELED, THE CONTRACTOR SHALL VERIFY THE PLANT IDENTITY WITH THE LANDSCAPE ARCHITECT & THESE PLANTINGS SHALL BE INCLUDED IN THE CONTRACTOR'S INITIAL BID.
 - SOIL AMENDMENTS SHALL BE UNIFORMLY SPREAD & CULTIVATED THOROUGHLY BY A MECHANICAL TILLER INTO THE TOP 12" OF SOIL THROUGHOUT SHRUB BEDS.
 - THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT & THE OWNER IN WRITING OF ALL SOIL CONDITIONS THE CONTRACTOR CONSIDERS DETRIMENTAL TO THE GROWTH OF PLANT MATERIALS. PROPER DRAINAGE MUST BE ASSURED.
 - FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE & CONSTRUCTION DEBRIS BEFORE PREPARING SOIL & PLANTING TREES.
 - REMOVE COMPACTED SOIL & ADD 24" NEW TOPSOIL/PLANTING MIX OR UNCOMPACT & AMEND TOP 24" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS FOR TREES.
 - ALL STRAPPING & TOP 2/3 OF WIRE BASKET MUST BE REMOVED FROM ROOT BALL PRIOR TO BACK FILLING PLANTING PIT. REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL.
 - ALL SIGNAGE & SITE LIGHTING TO BE COORDINATED AROUND THE TREES LOCATED ON THE PLANTING PLAN. ALL TREES SHOWN ON THE PLANTING PLAN MUST GO IN AS SPECIFIED. ANY CHANGES TO THE PLANTING PLAN COULD RESULT IN A DELAY IN RECEIVING & OCCUPANCY PERMIT.
 - CONSULT PLANT LIST FOR PLANT SIZES & SPECIFICATIONS.
 - CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO INSTALLATION. NOTIFY ARCHITECT IF FIELD CONDITIONS WARRANT ADJUSTMENT OF PLANT LOCATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON PLANS. QUANTITIES ARE FOR CONVENIENCES ONLY.
 - MULCH TO BE PINE NEEDLES.
 - GENERAL CONTRACTOR TO SEED ALL DISTURBED AREAS BEYOND PARKING LOT PERIMETER. LANDSCAPE CONTRACTOR SHALL SEED ALL AREAS WITHIN PARKING AS NOTED.
 - CONTRACTOR MAY CONTACT THE COUNTY INSPECTOR FOR A PRELIMINARY MEETING TO NEGOTIATE CREDIT FOR EXISTING TREES IN THE BUFFER AREA.
 - COORDINATE LIGHTING PLAN WITH LANDSCAPE PLAN. DO NOT INSTALL LIGHTING OR OTHER UTILITIES IN THE PARKING LOT TREE ISLANDS.

NOTE: ALL TREES LOCATED WITHIN SIGHT TRIANGLES MUST HAVE BRANCHED TRIMMED TO A HEIGHT OF NO LESS THAN EIGHT FEET.

- ### SEEDBED PREPARATION
- AREAS TO BE SEEDED SHALL BE RIPPED OR TILLED AND SPREAD WITH AVAILABLE TOPSOIL 4" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 6".
 - ROCKS, ROOTS & OTHER OBSTRUCTIONS & CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE SEEDBED. SURFACE OF COMPLETED PREPARED SEEDBED SHALL BE LOOSE SMOOTH & UNIFORM. CONTRACTOR SHALL TILL, DISC AND/OR HARROW IF NECESSARY TO ACHIEVE THIS.
 - IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME SHALL BE APPLIED ACCORDING TO THE SEEDING SPECIFICATIONS.
 - IF SOIL TEST IS TAKEN, APPLY FERTILIZER AND LIME IN ACCORDANCE W/SOIL TEST RECOMMENDATIONS.
 - LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
 - IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH A THIN DENSE LAYER OF CLEAN WHEAT STRAW.

- ### PERMANENT SEEDING SPEC'S.
- 3:1 SLOPES OR FLATTER
APPLY AGRICULTURAL LIME AT A RATE OF 90 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS/1000 S.F. UNLESS SOIL TEST INDICATES OTHERWISE.
SEED AT A RATE OF 6 LBS/1000 S.F.
- | DATE | TYPE |
|-------------------|--|
| NOV. 1 TO MAY 1 | ANNUAL RYE GRASS AND TURF TYPE TALL FESCUE |
| MAY 1 TO AUG. 15 | TURF TYPE TALL FESCUE |
| AUG. 15 TO NOV. 1 | TURF TYPE TALL FESCUE |
- MULCH WITH UNCHOPPED, UNWEATHERED SMALL GRAIN STRAW FREE OF SEEDS APPLIED AT THE RATE OF 1-2 TONS/ACRE. HEAVILY MULCHED DURING JANUARY - MARCH PERIOD.
THE CONTRACTOR SHALL MAINTAIN THE PERMANENT VEGETATIVE COVER BY MOWING, IRRIGATION, REPAIR OR PLANTING FAILURES OR OTHER METHODS FOR THE DURATION OF THE PROJECT & UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

LANDSCAPING CALCULATIONS

STREET TREE REQUIREMENTS
1 TREE PER 30 LF OF FRONTAGE
S 13TH ST (265-LF FRONTAGE):
7 TREES PROVIDED
GREENFIELD ST (153-LF FRONTAGE):
3 TREES PROVIDED

INTERIOR LANDSCAPING REQUIREMENTS
NO PARKING SPACE MOVE THAN 120' FROM PLANTING ISLAND.
20% OF PARKING AREA TO BE COVERED BY TREE CANOPY.
15,950-SF x 20% = 3,190-SF REQUIRED
3,298-SF PROVIDED

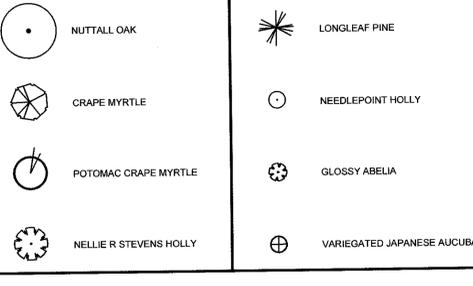
PARKING PERIMETER TREE REQUIREMENTS
1 CANOPY TREE PER 18 TO 27-LF & 3-5' HIGH SHRUB HEDGE
14 TREES PROVIDED (@ 18' O.C.)
70 SHRUBS PROVIDED (@ 4' O.C.)

FOUNDATION PLANTINGS REQUIREMENTS
AREA EQUAL TO 12% OF BUILDING FACE MUST BE LANDSCAPED.
4,186-SF x 12% = 502-SF REQUIRED
1,419-SF OF LANDSCAPING PROVIDED (7 TREES & 29 SHRUBS)

LANDSCAPE SCHEDULE

SYM	QTY.	BOTANICAL NAME	COMMON NAME	LOCATION	TYPE	ROOT/CONTAINER	HEIGHT/SIZE	SPACING
GB	14	QUERCUS NUTTALLII	NUTTALL OAK	PARKING/STREET YARD	LARGE MATURING	B & B	2" CAL./8' TALL	AS SHOWN
CM	13	LAGERSTROEMIA INDICA 'NATCHEZ'	CRAPE MYRTLE	BUFFER YARD/BUILDING	UNDERSTORY	B & B	MULTI-STEM MIN. 8" @ INSTALL	AS SHOWN
RB	12	LAGERSTROEMIA INDICA 'POTOMAC'	POTOMAC CRAPE MYRTLE	PARKING/STREET YARD	UNDERSTORY	B & B	MULTI-STEM MIN. 8" @ INSTALL	AS SHOWN
YH	9	ILEX X 'NELLIE R STEVENS'	NELLIE R STEVENS	DUMPSTER SCREENING	EVERGREEN	B & B	MULTI-STEM MIN. 8" @ INSTALL	AS SHOWN
GA	15	ABELIA X GRANDIFLORA 'SUNSHINE DAYDREAM'	GLOSSY ABELIA	FOUNDATION PLANTING	EG SHRUB	3 GAL.	SPECIMEN	4' O.C.
JA	14	AUCUBA JAPONICA 'VARIEGATA'	VARIEGATED JAPANESE AUCUBA	FOUNDATION PLANTING	EG SHRUB	3 GAL.	SPECIMEN	4' O.C.
IH	10	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT HOLLY	PARKING SCREENING	EG SHRUB	7 GAL.	MIN. 3' @ INSTALL	4' O.C.
IH-N	70	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT HOLLY	PARKING SCREENING	EG SHRUB	3 GAL.	18" HT.	4' O.C.
LP	63	PINUS PALUSTRIS	LONGLEAF PINE	MITIGATION	LARGE MATURING	PLUG	INDUSTRY STANDARD	AS SHOWN

LANDSCAPE LEGEND



DRAWING INFORMATION

TRUE NORTH

GRAPHIC SCALE
1 inch = 20 ft.

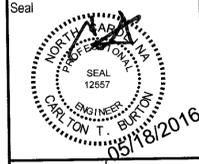
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DEVELOPED BY:
THE DURBAN GROUP
BUILDING VALUES

BURTON ENGINEERING ASSOCIATES
CIVIL ENGINEERS
LAND PLANNERS

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GREENFIELD - FDS
1313 GREENFIELD STREET
WILMINGTON, NORTH CAROLINA

LANDSCAPE PLAN

Project: **CTB**
Engineer: **LJB**
Drawn By: **9/21/15**
Date: _____

Revisions

1-11/15/15 PER TRC & CPFA COMMENTS
2-12/02/15 PER TRC/ENGINEERING/COUNTY COMMENTS
4-02/17/16 PER ENGINEERING COMMENTS
5-03/24/16 PER CPFA COMMENTS
6-06/18/16 PER PLANT LIST FOR AVAILABILITY

Project Number: 487-064
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