

LANDSCAPE CALCULATIONS

STREET YARD REQUIREMENTS
 STREET YARD FACTOR = 18
 MINIMUM STANDARD: 1 CANOPY TREE (3" CAL. MIN.) - 3 UNDERST. IF PWR. LINE
 6 SHRUBS (12" HT. MIN.) OR
 6 SHRUBS (36" HT. MIN. IF ADJ. TO A PARKING AREA)
 PER 600 SQ. FT. OF STREET YARD

STREET YARD, HURST STREET - 9'-27" WIDTH (TO LIMITS OF WORK)
 SQUARE FEET REQUIRED = 18(322 LF - 37.34 LF) = 5123.86 SF
 MINIMUM STANDARD REQUIRED: 9 CANOPY TREES, 51 SHRUBS
 PROVIDED: 10 CANOPY TREES (2 EXISTING)
 52 SHRUBS

FOUNDATION PLANTING REQUIREMENTS (adjacent to parking or internal drive aisle)
 REQUIREMENT = AREA OF BUILDING FACE X 12%

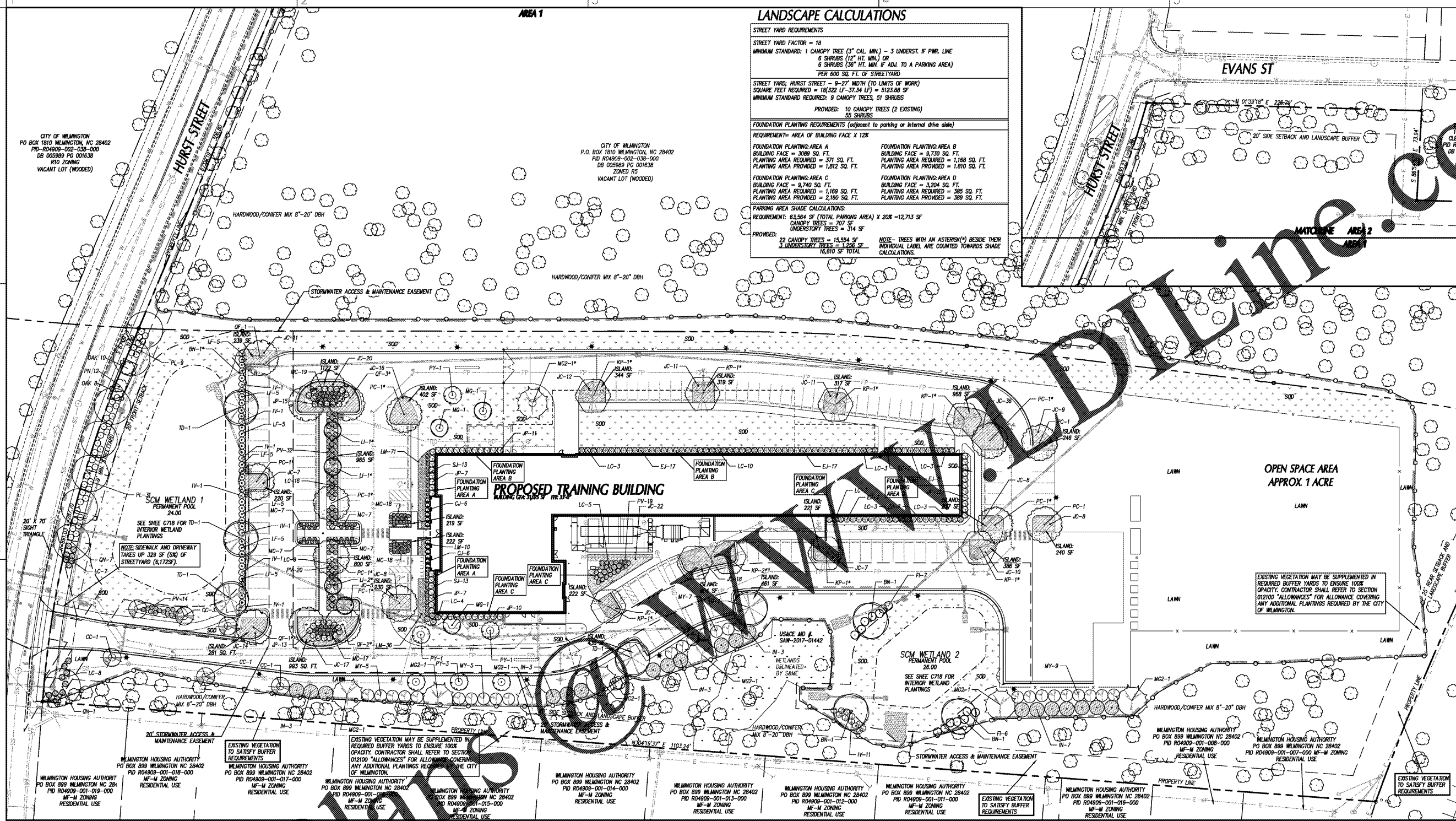
FOUNDATION PLANTING AREA A BUILDING FACE = 3089 SQ. FT. PLANTING AREA REQUIRED = 371 SQ. FT. PLANTING AREA PROVIDED = 1,812 SQ. FT.	FOUNDATION PLANTING AREA B BUILDING FACE = 9,730 SQ. FT. PLANTING AREA REQUIRED = 1,168 SQ. FT. PLANTING AREA PROVIDED = 1,810 SQ. FT.
FOUNDATION PLANTING AREA C BUILDING FACE = 9,740 SQ. FT. PLANTING AREA REQUIRED = 1,169 SQ. FT. PLANTING AREA PROVIDED = 2,169 SQ. FT.	FOUNDATION PLANTING AREA D BUILDING FACE = 3,204 SQ. FT. PLANTING AREA REQUIRED = 385 SQ. FT. PLANTING AREA PROVIDED = 389 SQ. FT.

PARKING AREA SHADE CALCULATIONS
 REQUIREMENT: 63,564 SF (TOTAL PARKING AREA) X 20% = 12,713 SF
 CANOPY TREES = 707 SF
 UNDERSTORY TREES = 314 SF
 PROVIDED: 29 CANOPY TREES = 15,554 SF
 UNDERSTORY TREES = 1,466 SF
 16,020 SF TOTAL

NOTE: TREES WITH AN ASTERISK (*) BESIDE THEIR INDIVIDUAL LABEL ARE COUNTED TOWARDS SHADE CALCULATIONS.

CITY OF WILMINGTON
 PO BOX 1810 WILMINGTON, NC 28402
 PD R04909-002-038-000
 DB 005989 PG 001638
 R10 ZONING
 VACANT LOT (WOODED)

CITY OF WILMINGTON
 P.O. BOX 1810 WILMINGTON, NC 28402
 PD R04909-002-038-000
 DB 005989 PG 001638
 ZONED R5
 VACANT LOT (WOODED)



LANDSCAPE NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND/OR NC DOT STANDARDS AND SPECIFICATIONS.
- LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
- VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
- LAWN AREAS SHALL BE SEEDED WITH SUNSTAR/AMERICA BERMAUDA GRASS 95% COVERAGE. (BASED ON A PERCENTAGE YARD SAMPLE) SHALL BE ATTAINED PRIOR TO FINAL INSPECTION.
- ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF ARBORISTS AND THE WRITTEN SPECIFICATIONS.
- PLANTING BEDS TO BE MULCHED WITH A MINIMUM OF 3" OF HEMP-STRIPPED HARDWOOD MULCH. ALL PLANT GROUPINGS SHALL BE MULCHED AS A BED.
- ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AWAY FROM BUILDINGS.
- APPLY PRE-EMERGENT HERBICIDE TO ALL PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF MULCH.
- DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS AREAS (i.e. TANKS) WHEN FILLED WITH WATER. DO NOT COMPLETELY DRAIN WITHIN 24 HOURS.
- ALL SODDED AREAS SHALL BE IRRIGATED IMMEDIATELY AT INSTALLATION.
- REMOVE ALL WRAP STRIPS IMMEDIATELY AT INSTALLATION.
- SEE SPECIFICATIONS REGARDING WARRANTY AND MAINTENANCE REQUIREMENTS FOR ALL PLANTS, SOO, AND LAWN SEEDING.
- DEAD OR DISEASING PLANTING SHALL BE REPLACED WITHIN SIX MONTHS OR DURING NEXT PLANTING SEASON.
- ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30' - 10'.
- PRIOR TO ANY GRADING, CONSTRUCTION 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.
- EXISTING VEGETATION MAY BE SUPPLEMENTED IN REQUIRED BUFFER YARDS TO ENSURE 100% OPAQTY. CONTRACTOR SHALL PROVIDE A 1:10,000 ALLOWANCE IN BID TO SUPPORT ANY ADDITIONAL PLANTINGS REQUIRED BY THE CITY OF WILMINGTON.

PLANT SCHEDULE

KEY	QTY	PLANT NAME	SIZE	REMARKS
CANOPY TREES				
CJ	12	RIVER BIRCH <i>Betula nigra</i> 'Dura Heel'	2"-2 1/2" CAL. 12'-14' HT.	B&B, STRAIGHT TRUNK FULL CROWN
EJ	54	GOLDEN CEDAR <i>Oxytropis japonica</i> 'Glabosa Mans'	2"-2 1/2" CAL. 10' 12" HT.	FULL CROWN, B&B MATCHED SPECIMENS
FI	14	FORSYTHIA <i>Forsythia x intermedia</i>	2"-2 1/2" CAL. 12'-14' HT.	B&B, STRAIGHT TRUNK FULL CROWN
IV	18	HENRY'S GARNET SWEETSPIRE <i>Itos virginica</i> 'Henry's Garnet'	2"-2 1/2" CAL. 12'-14' HT.	B&B, STRAIGHT TRUNK FULL CROWN
JC	250	BLUE PACIFIC JUNIPER <i>Juniperus conferta</i> 'Blue Pacific'	2"-2 1/2" CAL. 12'-14' HT.	B&B, STRAIGHT TRUNK FULL CROWN
JP	74	PARSON'S JUNIPER <i>Juniperus horizontalis</i> 'Parson'	2"-2 1/2" CAL. 12'-14' HT.	B&B, STRAIGHT TRUNK FULL CROWN
LC	77	CHINESE FRINGE FLOWER <i>Loropetalum chinensis</i> 'Ruby'	8" MIN. HT. 1-1/2" CAL.	STRAIGHT TRUNK MATCHED SPECIMENS
LM	117	LILIE R. STEVENS HOLLY <i>Ilex 'Nellie R. Stevens'</i>	8" MIN. HT. 1-1/2" CAL.	STRAIGHT TRUNK MATCHED SPECIMENS
LF	35	NATCHEZ GRAPE WYRTLE <i>Lopastromia l. x 'Natchez'</i>	8" MIN. HT. 3-5 TRUNKS	B&B, FULL CROWN
MG	100	LITTLE GEM MAGNOLIA <i>Magnolia grandiflora</i> 'Little Gem'	1"-1 1/2" CAL. 8" MIN. HT.	B&B, STRAIGHT TRUNK FULL TO GROUND
PL	40	BRACKEN'S BROWN BEAUTY MAGNOLIA <i>Magnolia grandiflora</i> 'Bracken's Brown Beauty'	8" MIN. HT. B&B	STRAIGHT TRUNK MATCHED SPECIMENS
PV	85	SOUTHERN MIX WYRTLE (TREE FORM) <i>Magnolia grandiflora</i> 'Bracken's Brown Beauty'	8" MIN. HT. 3-5 TRUNKS	B&B, FULL CROWN
SJ	23	YOSHINO CHERRY <i>Prunus yedoensis</i> 'Yoshino'	8" MIN. HT. 1 1/2" CAL.	STRAIGHT TRUNK MATCHED SPECIMENS

MITIGATION EXEMPTIONS

UDO SEC. 12-46(A)(3)

A. PROTECTED TREES REMOVED WITHIN THE FOOTPRINT OF THE LOT OR EXEMPT FROM MITIGATION, PROVIDED THE TOTAL BUILDING FOOTPRINT DOES NOT EXCEED TWENTY-FIVE (25) PERCENT OF THE TOTAL LOT AREA, AND PROVIDED THAT THE APPLICANT HAS DESIGNATED AROUND TREES IN ORDER TO RETAIN AS MANY TREES AS PRACTICABLE.

B. REGULATED TREES REMOVED WITHIN THE AREA OF DISTURBANCE NECESSARY FOR ESSENTIAL SITE IMPROVEMENTS ARE EXEMPT FROM MITIGATION, PROVIDED THE APPLICANT HAS DESIGNATED AROUND TREES IN ORDER TO RETAIN AS MANY TREES AS PRACTICABLE.

C. PROTECTED TREES THAT ARE REMOVED BY SPACING THE TREES AND PLANTED ELSEWHERE ON THE SITE ARE EXEMPT FROM MITIGATION. ADDITIONALLY, PROTECTED TREES THAT ARE REMOVED BY SPACING AND ACCEPTED BY THE CITY FOR PLANTING ON PUBLIC PROPERTY AT THE LOCATION DESIGNATED BY THE CITY MANAGER ARE EXEMPT FROM MITIGATION. REQUESTING THE EXEMPTION WITH A TREE OF THE SAME SPECIES AND SIZE OR MITIGATED PURSUANT TO THIS ARTICLE.

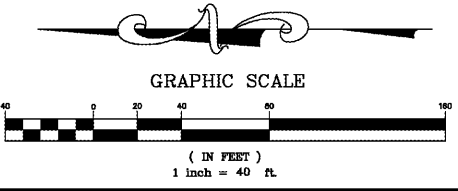
7/17/17 SOO, SEE DETAIL SHEET C705.

A TREE REMOVAL/PRESERVATION PERMIT IS REQUIRED PRIOR TO REMOVING ANY TREES. CONTRACTOR SHALL OBTAIN & COMPLETE PERMIT. CONTACT CITY OF WILMINGTON ZONING DEPARTMENT TO OBTAIN COPY OF PERMIT. ENSURE TO PROVIDE COPY OF TREE REMOVAL CHART WITH PERMIT.

APPROVED CONSTRUCTION PLAN

NAME	DATE
PLANNING	
TRAFFIC	
FIRE	

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



DESIGNER
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 LA: C-106, PE: C-1596



SUBMITTAL
 4 MAY 2018

CONSTRUCTION DOCUMENTS