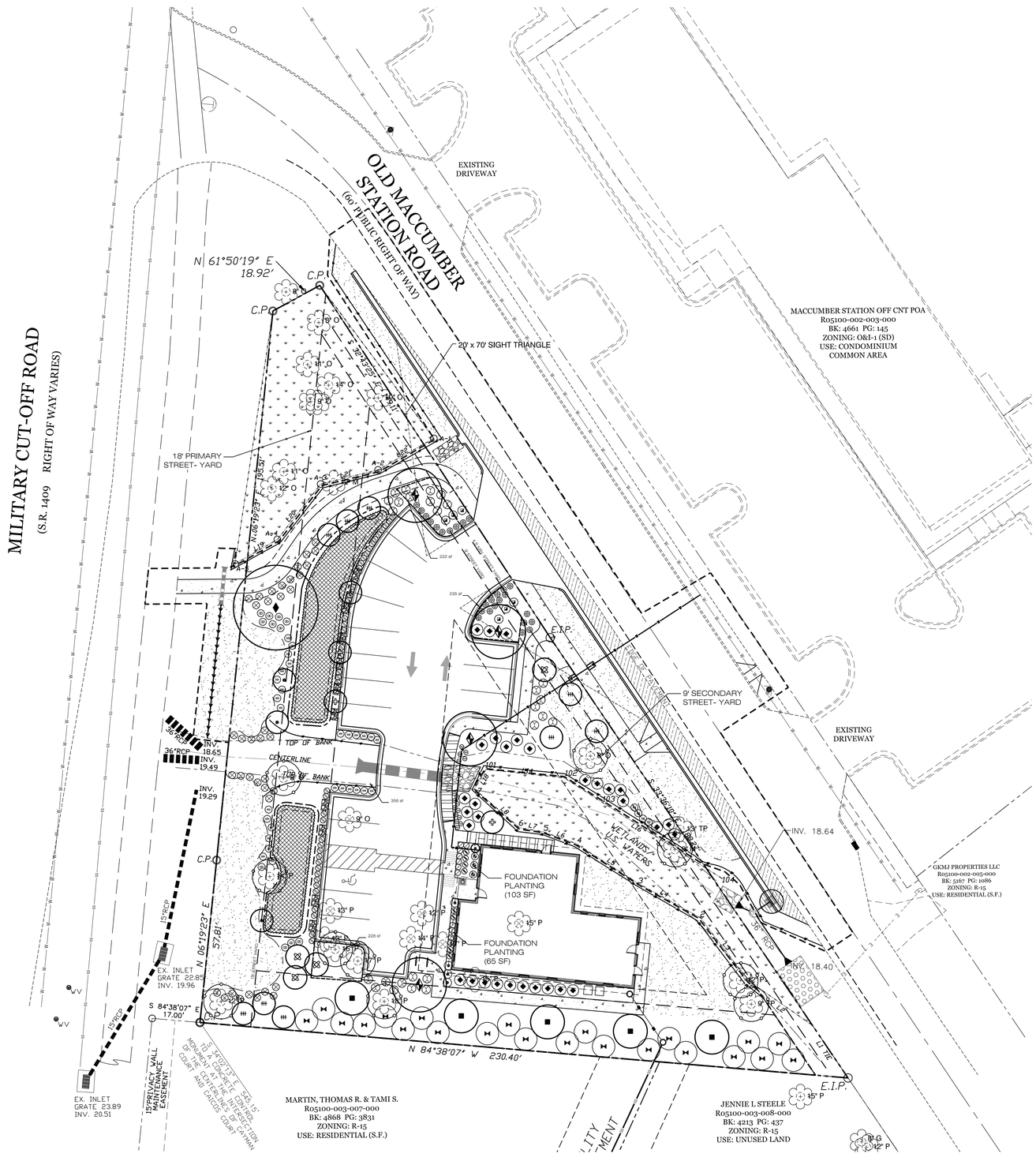
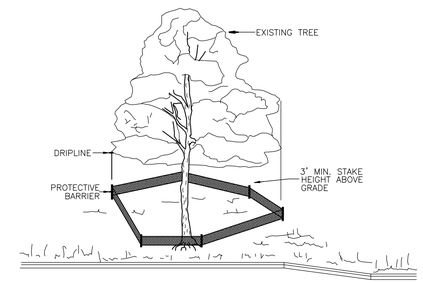


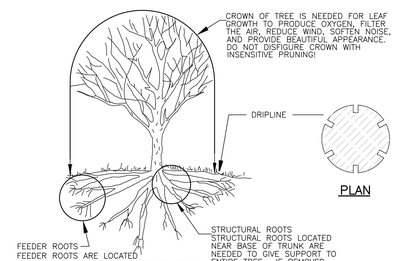
GENERAL PLANTING NOTES

1. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, FINAL GRADING, SEEDING, SOIL AMENDMENTS, ETC., AS MAY BE REQUIRED FOR A COMPLETE INSTALLATION.
2. QUANTITIES SHOWN IN PLANT LISTS ARE FOR CONVENIENCE ONLY. PLANS SHALL GOVERN.
3. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCES IN PLAN AND ACTUAL FIELD CONDITIONS.
4. ALL TREE AND SHRUB MATERIAL SPECIFIED MUST MEET STANDARD INDUSTRY SPECIFICATIONS FOR THE CONTAINER SIZE INDICATED. DOWNSIZING OR SUBSTITUTION OF PLANT MATERIAL WITHOUT PRIOR APPROVAL OF LANDSCAPE ARCHITECT WILL NOT BE ALLOWED.
5. ALL LANDSCAPE AREAS SHALL BE GRADED TO A SMOOTH EVEN SURFACE PRIOR TO ANY PLANT INSTALLATION. ALL PLANT MATERIALS SHALL BE INSTALLED USING GOOD HORTICULTURAL PRACTICES IN ACCORDANCE WITH THE PLANS AND DETAILS.
6. TREES SHALL NOT BE PLANTED CLOSER THAN FOUR (4) FEET FROM ANY WALKWAY OR PUBLIC SIDEWALK EXCEPT WHERE TREE WELLS OR PARKWAYS ARE PROVIDED IN THE SIDEWALK AREA. ALL TREE PLANTED WITHIN FIVE (5) FEET OF WALKS OR PUBLIC UTILITIES SHALL RECEIVE DEEP ROOT BARRIERS.
7. TREE LOCATIONS SHOWN ON PLAN MAY REQUIRE ADJUSTMENT IN THE FIELD. WHENEVER FEASIBLE, TREES SHOULD BE PLANTED A MINIMUM OF TEN (10) FEET FROM ALL UNDERGROUND UTILITIES, STREETLIGHTS, HYDRANTS, AND OUT OF DRAINAGE FLOW LINES. SHOULD THIS NOT BE POSSIBLE, CONTACT THE LANDSCAPE ARCHITECT FOR DECISION ON PLACEMENT.
8. ALL TREES IN TURF AREAS SHALL HAVE 12" MIN. CLR. CIRCUMFERENCE AROUND THE TRUNK BASE. PROVIDE 2" MIN. THK. MULCH AT BASE OF TRUNK.
9. GROUNDCOVER TYPE SHOWN SHALL BE PLANTED IN ALL SHRUB AREAS AS SPECIFIED ON PLANS. GROUNDCOVER SHALL BE PLANTED AT 8" ON- CENTER UNIFORM TRIANGULAR SPACING, AND SHALL BE CONTINUOUS UNDER ALL TREE AND SHRUB MASSES AS SHOWN ON PLAN.
10. MATURE PLANTINGS SHALL NOT INTERFERE WITH UTILITIES AND TRAFFIC SIGHT LINES.
11. 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.
12. UTILITY METERS, TRANSFORMERS AND FIXED TRASH DISPOSAL RECEPTACLES WHICH CANNOT BE LOCATED OUT OF SIGHT SHALL BE SCREENED.
13. ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINED FROM 30 INCHES TO 10 FEET.



NOTE:
TREES TO BE SAVED WILL BE CLEARLY MARKED PRIOR TO CONSTRUCTION AND A PROTECTIVE BARRIER IS TO BE INSTALLED AT THE DRIPLINE.
DRIP LINE – THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15–08
NOT TO SCALE



TREE PROTECTION DURING CONSTRUCTION

1. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO HEAVY MATERIALS SHALL BE STORED BENEATH TREES. RESULTS OF COMPACTION CAUSE WATER AND AIR NOT TO REACH THE ROOTS AND THE TREE WILL DIE. THESE "FEEDING ROOTS" OCCUR WELL AWAY FROM THE BASE OF THE TREE TO THE EDGE OF THE OVERHEAD BRANCH CANOPY. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. APROTECTIVE BARRIER SHOULD PREVENT DAMAGE FROM OCCURING DURING CONSTRUCTION.
2. NO CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK. THESE ARE ESSENTIAL IN SUPPORTING THE TREE AND HOLDING IT UPRIGHT IN HIGH WINDS. REMOVAL OF THESE ROOTS ALONG ONE SIDE IS OFTEN DONE BECAUSE OF A WALK, PAVING OR BUILDING WHICH IS BEING CONSTRUCTED.
3. AVOID CUT AND FILL WITHIN DIAMETER OF TREE CROWN DURING EXCAVATION.

METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15–09
NOT TO SCALE

LEGEND

- EXISTING TREE TO REMAIN (TYP.)
- TREE PROTECTION FENCING (TYP.)
- EXISTING TREE TO BE REMOVED (TYP.)

PLANTING LEGEND

LARGE SHADE TREES

SYMBOL	DESCRIPTION	SIZE	QUANTITY
	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	3" CAL.	3
	BETULA NIGRA 'DURA HEAT' RIVER BIRCH	3" CAL. 8-10' HT.	9
	QUERCUS VIRGINIANA LIVE OAK	3" CAL. 45 GAL.	1
	QUERCUS LAURIFOLIA LAUREL OAK	3" CAL. 45 GAL.	4
	EXISTING TREE TO REMAIN		

SMALL SHADE TREES

SYMBOL	DESCRIPTION	SIZE	QUANTITY
	LAGERSTROEMIA INDICA 'MUKOGEE' MUSKOGEE CRAPE MYRTLE	6-8' HT.	4
	ILEX 'NELLIE R. STEVENS' 'NELLIE R. STEVENS HOLLY'	6-7' HT 2.5" CAL.	4
	MAGNOLIA G. 'LITTLE GEM' 'LITTLE GEM' MAGNOLIA	8'-10' HT 2.5" CAL.	5

SHRUBS

SYMBOL	DESCRIPTION	SIZE	QUANTITY
	ABELIA GRANDIFLORA 'ROSE CREEK' ROSE CREEK ABELIA	3 GAL	33
	AZALEA 'FORMOSA' 'FORMOSA' AZALEA	3 GAL 24" HT.	27
	BUXUS SEMPERVIRENS 'WINTER GREEN' ENGLISH BOXWOOD	3 GAL	11
	BUXUS SEMPERVIRENS 'WINTER GREEN' ENGLISH BOXWOOD	B&B 24-30" HT	3
	CYRTOMIUM FALCATUM HOLLY FERN	3 GAL	16
	ILEX VOMITORIA 'NANA' DWARF YAUPON HOLLY	3 GAL.	26
	LOROPETALUM CHINENSE 'RUBY' * RUBY LOROPETALUM	3 GAL	10
	MISCANTHUS SINENSIS 'ADAGIO' DWARF MAIDEN GRASS	3 GAL	38
	HYDRANGEA MAC. ' NIKKO BLUE' NIKKO BLUE HYDRANGEA	3 GAL	8
	MYRICA CERIFERA WAX MYRTLE	7 GAL 36" HT.	22
	MUHLENBERGIA CAPILLARIS PURPLE MUHLY GRASS	3 GAL	42
	OSMANTHUS FRAGRANS SWEET OLIVE	NS 5-6'	1
	PODOCARPUS MACROPHYLLUS SOUTHERN YEW	7 GAL 42-46" HT.	4
	PITTOSPORUM TOBIRA VARIEGATA VARIEGATED JAPANESE PITTOSPORUM	3 GAL 36" HT.	31
	ROSA 'KNOCKOUT' PINK KNOCKOUT ROSES	3 GAL	6

GROUNDCOVER

SYMBOL	DESCRIPTION	SIZE	QUANTITY
	NATIVE WILDFLOWER & WETLAND SEED MIXTURE		
	SODDED LAWN AREA (ZENITH ZOYSIA GRASS)		

LANDSCAPING SCHEDULE

SITE ZONING: O&I (CD)

CALCULATIONS

1. ***PARKING LOT LANDSCAPING:***
   IMPERVIOUS SURFACE AREA: 3,548 SQ. FT. (TOTAL PARKING LOT AREA)
   3548 / 30% REQ. SHADE =1,064 SF SHADED AREA

   PROVIDED: 3 LARGE SHADE TREES @ 704 SF=2,112 SF
   TOTAL = 2,112 SF SHADED AREA

2. ***PRIMARY STREET YARD PLANTING (MILITARY CUTOFF ROAD):***
   253 x 18 = 4,554 SF OF STREET YARD
   4,554 / 600= 8 CANOPY TREES REQUIRED , 8 PROVIDED
   *4,554 / 600 * 6= 46 SHRUBS REQUIRED, 62 PROVIDED*

2. ***SECONDARY STREET YARD PLANTING (OLD MACUMBER STATION RD.):***
   337 - 24 x 9 = 2,817 SF OF STREET YARD
   2,817 / 600= 5 CANOPY TREES REQUIRED , 5 PROVIDED
   2,817 / 600 x 6= 28 SHRUBS REQUIRED, 28 PROVIDED

3. ***LANDSCAPE BUFFER ABUTTING RESIDENTIAL DISTRICT (S. PROPERTY LINE):***
   REQUIRED: 20' WIDTH
   PROVIDED: 20' WIDTH / 3,874 SF
   PLANTING REQUIRED: 230' LF OF BUFFER REQUIRES (1) TREE PER 30 lf = 8 TREES*
   PLANTING PROVIDED: 8 TREES, DOUBLE ROW OF 3 WAX MYRTLES.*
   + 2 EXISTING PINE TREES

4. ***FOUNDATION PLANTING: 50 x 25 x .12 = 150 SF***
   168 SF PROVIDED

5. ***TOTAL TREES REQUIRED: 15 TREES PER DISTURBED ACRE.***
   .675 (29,423) DISTURBED ACRES x 15 = 10 TREES REQUIRED
   30 TREES PROVIDED

NORTH

0 20 40 60 80
SCALE: 1" = 20'

MIHALY
LAND DESIGN
PLANNING + LANDSCAPE ARCHITECTURE
330 Military Cutoff Rd. Suite A3
Wilmington, NC 28403 910.392.4355

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT JOSHUA W. MIHALY

Revisions

1. Revised per City of Wilmington review letter dated 11/6/2012

1. Revised per City of Wilmington comments dated 11/8/2012

CLIENT
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PROJECT
HACKNEY DENTAL OFFICE
601 & 605 MILITARY CUTOFF ROAD
WILMINGTOIN, NC 28405
(CD) REZONING MODIFICATION

Date:	10.16.2012
Phase:	000
Job Number:	100-430
Designed by:	JWM
Drawn by:	JWM
Checked by:	JWM

Sheet Title:
LANDSCAPE PLAN

Sheet Number
L1.1
of 1 sheets