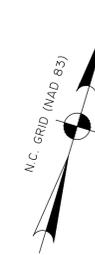


CURVE TABLE					
CURVE	RADIUS	LENGTH	CH BEARING	CH LENGTH	DELTA
C1	717.23'	396.00'	N 64°29' E	399.95'	5°08'37"
C2	530.00'	41.40'	S 75°29'01" W	41.39'	4°28'53"

N/F
 AVALON APARTMENTS
 DE, LLC
 D.B. 5579-552
 ZONING: MF-M (CD)
 LAND USE:
 MULTIFAMILY
 RESIDENTIAL

CSX RAILROAD
 (FORMERLY SEABOARD COASTLINE)
 R/W VARIES

N/F
 MW4, LLC
 D.B. 5320-328
 ZONING: IND
 LAND USE:
 BOAT BUILDING



TREE LEGEND:

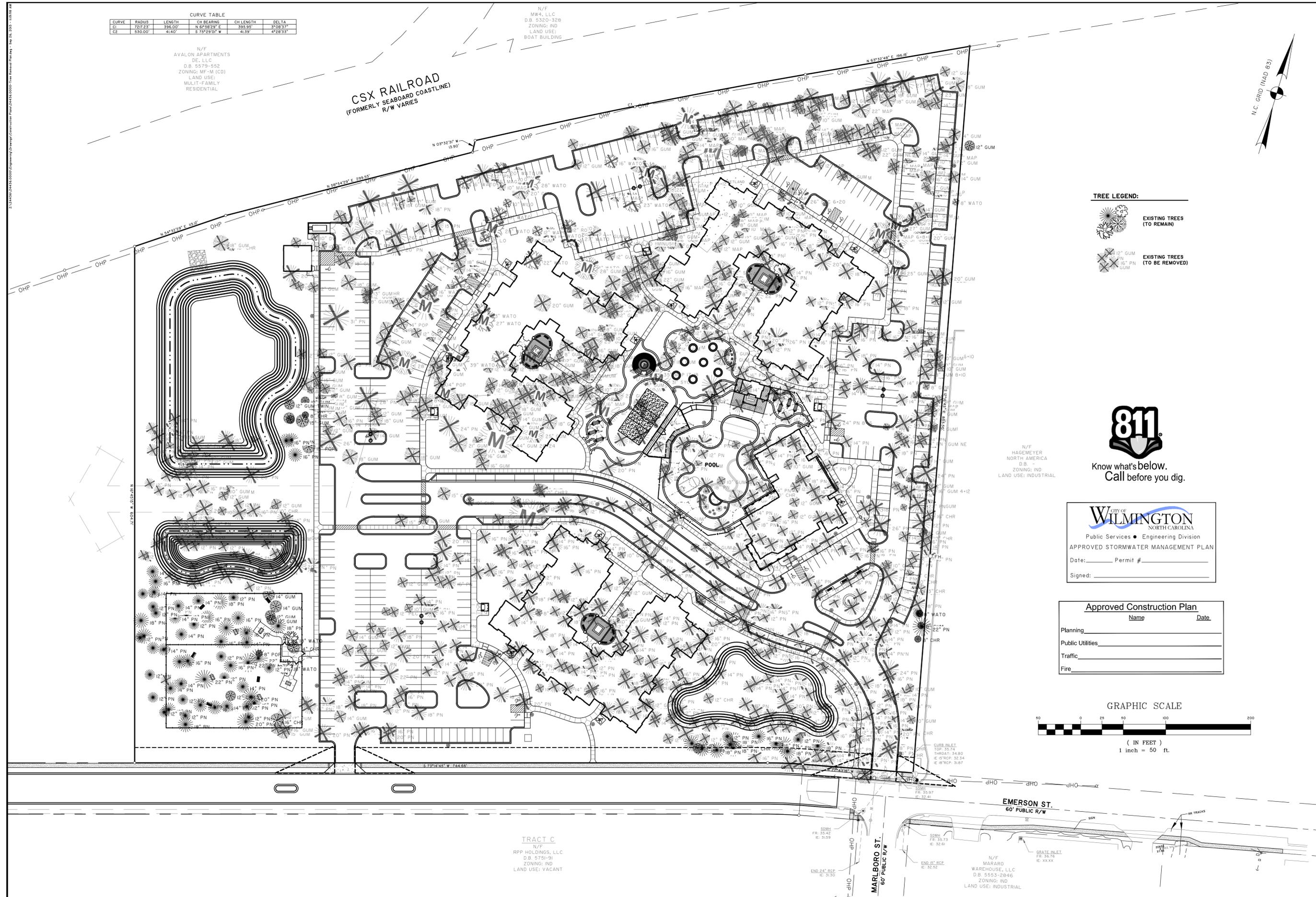
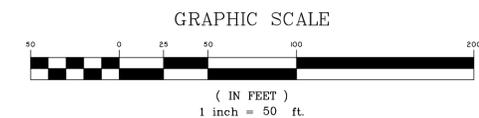
- EXISTING TREES (TO REMAIN)
- EXISTING TREES (TO BE REMOVED)

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

Approved Construction Plan

Name	Date
Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____



TRACT C
 N/F
 RPP HOLDINGS, LLC
 D.B. 8741-9
 ZONING: IND
 LAND USE: VACANT

N/F
 MARARO
 WAREHOUSE, LLC
 D.B. 5553-2846
 ZONING: IND
 LAND USE: INDUSTRIAL

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PROGRESS910
4055 EMERSON STREET
 CITY OF WILMINGTON, NORTH CAROLINA
PROGRESS BUILDERS, LLC
 TREE REMOVAL PLAN

JOB NO:	J-24436.0000
DATE:	9/24/13
DRAWN:	JB/J
DESIGNED:	SKM
REVIEWED:	JDR
APPROVED:	JDR
SCALE:	1" = 50'

G2.3

I. GENERAL NOTES

- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN TWENTY-ONE (21) DAYS.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
- THE FOLLOWING NOTES ARE SPECIFIED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR) AND ARE TO BE EXECUTED BY THE CONTRACTOR.
 - ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-YEAR PERIOD. ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION HAS BEEN OBTAINED.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY THE CITY, PROJECT ENGINEER AND/OR NCDENR.
- ANY GRADING BEYOND WHAT IS DEPICTED IN THE APPROVED AND PERMITTED PLANS IS A VIOLATION OF THE STATE'S EROSION CONTROL AND GRADING REQUIREMENTS AND MAY BE SUBJECT TO A FINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL FINES DUE TO VIOLATIONS.
- GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF SEDIMENT POLLUTION CONTROL ACT AND MAY BE SUBJECT TO A FINE.
- ALL OFF SITE BORROW MUST COME FROM A STATE APPROVED SOURCE. CONTRACTOR TO SUBMIT WRITTEN DOCUMENTATION IDENTIFYING SOURCE.
- ALL SURPLUS MATERIAL AND DEMOLITION DEBRIS SHALL BE HAULED OFF SITE TO AN APPROVED WASTE SITE. CONTRACTOR TO SUBMIT WRITTEN DOCUMENTATION IDENTIFYING APPROVED WASTE SITE.

II. CONSTRUCTION SEQUENCE

- INSTALL GRAVEL CONSTRUCTION ENTRANCE/EXIT, SILT FENCING, TREE PROTECTION AND TEMPORARY DITCH PLUG.
- CLEARING AND GRUBBING.
- CONSTRUCT SEDIMENT BASIN AND TRAPS.
- INSTALL REMAINING DRAINAGE CONVEYANCES AND EROSION CONTROL.
- SITE ROUGH GRADING & INFRASTRUCTURE.
- BEGIN BUILDING CONSTRUCTION CONCURRENTLY WITH PARKING LOT CONSTRUCTION.
- SIDEWALKS AND PAVING. INSTALL SILT SACKS ON INLETS WITHIN PAVED AREAS ONCE STONE BASE IS IN PLACE.
- FINAL GRASSING & STABILIZATION.
- RESTORE DRAINAGE CONVEYANCES TO DESIGN SPECIFICATIONS, CONVERT SEDIMENT BASINS TO PERMANENT WATER QUALITY/QUANTITY PONDS AND REMOVE TEMPORARY EROSION CONTROL MEASURE ONCE SITE IS PERMANENTLY STABILIZED.

III. MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL TWO (2) INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND BASINS WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE SPACING.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE COVER.
- SEDIMENT, STRAW, LIMBS OR OTHER DEBRIS WILL BE REMOVED FROM THE CHECK DAMS TO PREVENT CLOGGING. STONES WILL BE ADDED AS NECESSARY TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.
- SILT SACKS MUST BE INSPECTED ONCE A WEEK AND AFTER EVERY RAINFALL. REMOVE SEDIMENT BUILD UP AFTER EACH INSPECTION OR AT THE INTERVAL SPECIFIED BY THE MANUFACTURER, WHICH EVER IS MORE RESTRICTIVE.

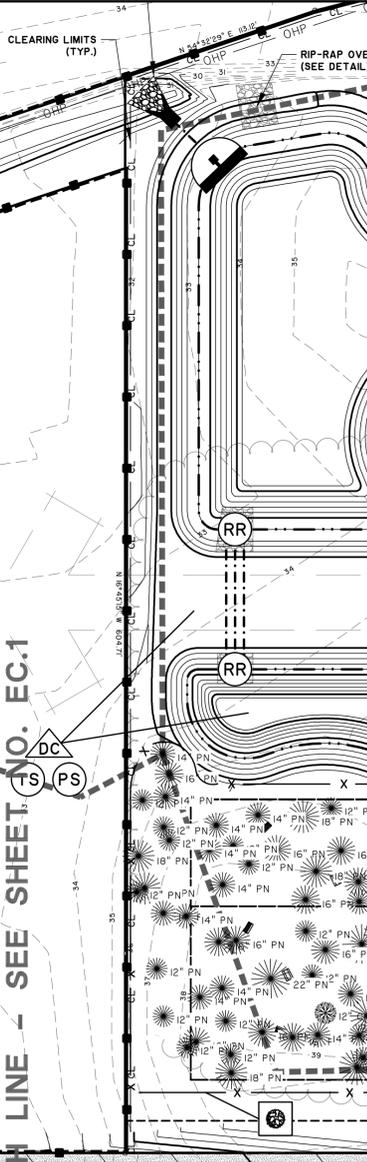
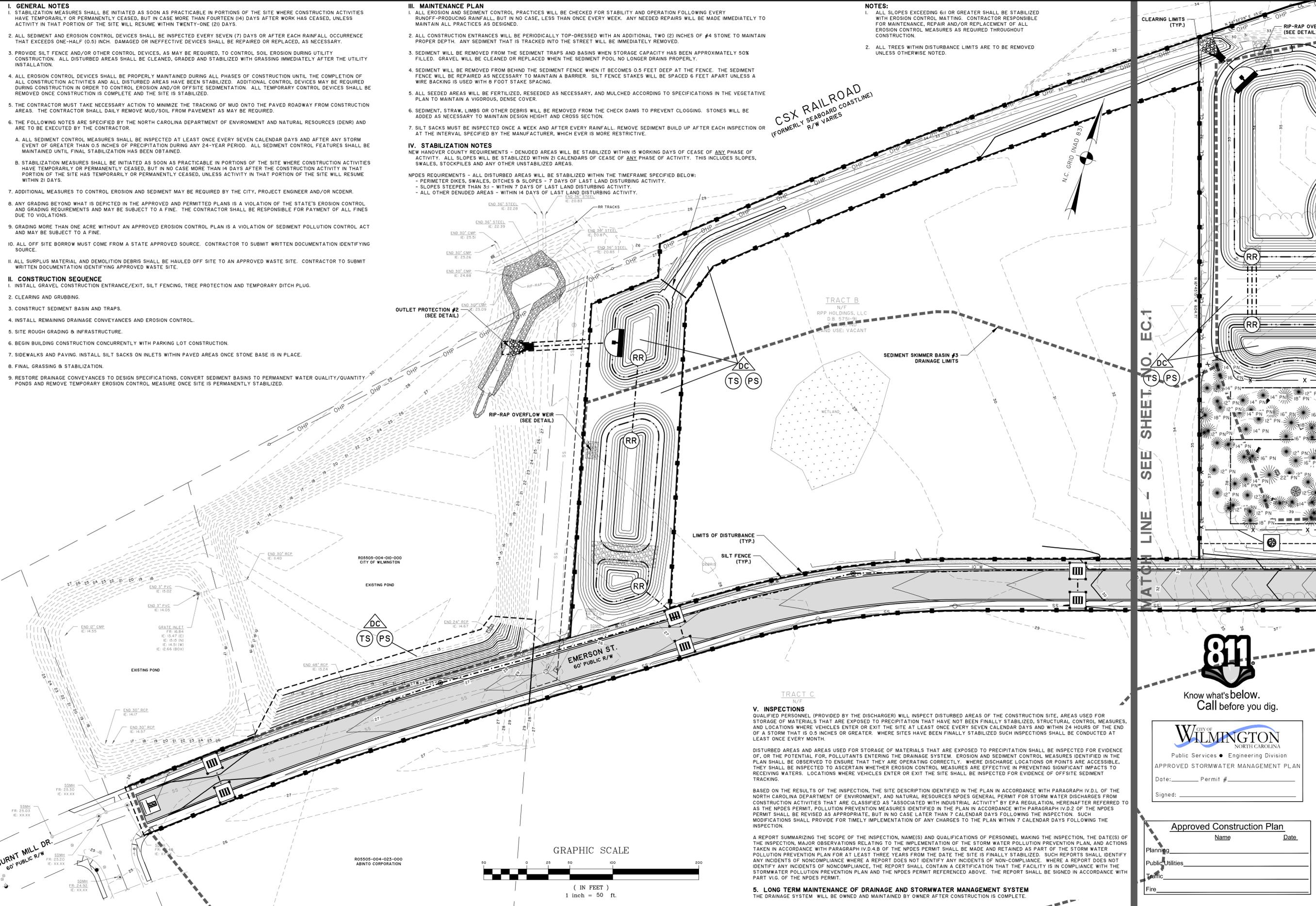
IV. STABILIZATION NOTES

NEW HANOVER COUNTY REQUIREMENTS - DENUDED AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDARS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, STOCKPILES AND ANY OTHER UNSTABILIZED AREAS.

NPDES REQUIREMENTS - ALL DISTURBED AREAS WILL BE STABILIZED WITHIN THE TIMEFRAME SPECIFIED BELOW:
 - PERIMETER DICES, SWALES, DITCHES & SLOPES - 7 DAYS OF LAST LAND DISTURBING ACTIVITY.
 - SLOPES STEEPER THAN 3:1 - WITHIN 7 DAYS OF LAST LAND DISTURBING ACTIVITY.
 - ALL OTHER DENUDED AREAS - WITHIN 14 DAYS OF LAST LAND DISTURBING ACTIVITY.

NOTES:

- ALL SLOPES EXCEEDING 6:1 OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL MATTING. CONTRACTOR RESPONSIBLE FOR MAINTENANCE, REPAIR AND/OR REPLACEMENT OF ALL EROSION CONTROL MEASURES AS REQUIRED THROUGHOUT CONSTRUCTION.
- ALL TREES WITHIN DISTURBANCE LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED.



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NORTH CAROLINA
Public Services • Engineering Division

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Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

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PROGRESS910
4055 EMERSON STREET
CITY OF WILMINGTON, NORTH CAROLINA

PROGRESS BUILDERS, LLC
SEDIMENT & EROSION CONTROL PLAN

JOB NO: J-24436.0000
DATE: 9/24/13
DRAWN: JBJ
DESIGNED: SKM
REVIEWED: JDR
APPROVED: JDR
SCALE: 1" = 50'

EC.2

V. INSPECTIONS

QUALIFIED PERSONNEL (PROVIDED BY THE DISCHARGER) WILL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

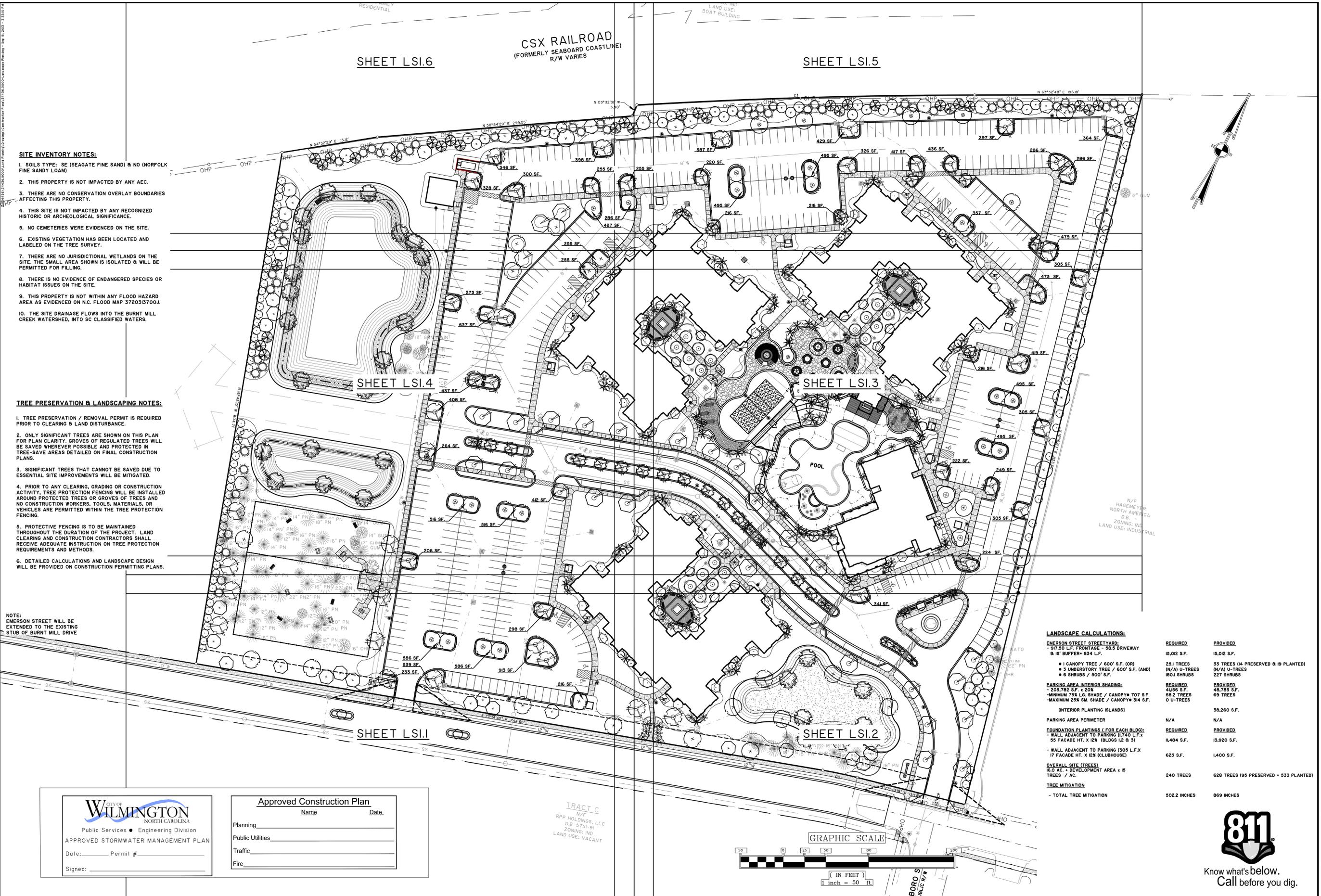
DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.1 OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE CLASSIFIED AS "ASSOCIATED WITH INDUSTRIAL ACTIVITY" BY EPA REGULATION, HERINAFTER REFERRED TO AS THE NPDES PERMIT, POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH IV.D.2 OF THE NPDES PERMIT SHALL BE REVISED AS APPROPRIATE, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHARGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH IV.D.4.B OF THE NPDES PERMIT SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE NPDES PERMIT REFERENCED ABOVE. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G. OF THE NPDES PERMIT.

5. LONG TERM MAINTENANCE OF DRAINAGE AND STORMWATER MANAGEMENT SYSTEM

THE DRAINAGE SYSTEM WILL BE OWNED AND MAINTAINED BY OWNER AFTER CONSTRUCTION IS COMPLETE.



- SITE INVENTORY NOTES:**
1. SOILS TYPE: SE (SEAGATE FINE SAND) & NO (NORFOLK FINE SANDY LOAM)
 2. THIS PROPERTY IS NOT IMPACTED BY ANY AEC.
 3. THERE ARE NO CONSERVATION OVERLAY BOUNDARIES AFFECTING THIS PROPERTY.
 4. THIS SITE IS NOT IMPACTED BY ANY RECOGNIZED HISTORIC OR ARCHEOLOGICAL SIGNIFICANCE.
 5. NO CEMETERIES WERE EVIDENCED ON THE SITE.
 6. EXISTING VEGETATION HAS BEEN LOCATED AND LABELED ON THE TREE SURVEY.
 7. THERE ARE NO JURISDICTIONAL WETLANDS ON THE SITE. THE SMALL AREA SHOWN IS ISOLATED & WILL BE PERMITTED FOR FILLING.
 8. THERE IS NO EVIDENCE OF ENDANGERED SPECIES OR HABITAT ISSUES ON THE SITE.
 9. THIS PROPERTY IS NOT WITHIN ANY FLOOD HAZARD AREA AS EVIDENCED ON N.C. FLOOD MAP 3720313700J.
 10. THE SITE DRAINAGE FLOWS INTO THE BURNT MILL CREEK WATERSHED, INTO SC CLASSIFIED WATERS.

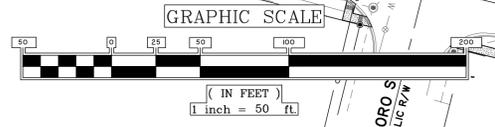
- TREE PRESERVATION & LANDSCAPING NOTES:**
1. TREE PRESERVATION / REMOVAL PERMIT IS REQUIRED PRIOR TO CLEARING & LAND DISTURBANCE.
 2. ONLY SIGNIFICANT TREES ARE SHOWN ON THIS PLAN FOR PLAN CLARITY. GROVES OF REGULATED TREES WILL BE SAVED WHEREVER POSSIBLE AND PROTECTED IN TREE-SAVE AREAS DETAILED ON FINAL CONSTRUCTION PLANS.
 3. SIGNIFICANT TREES THAT CANNOT BE SAVED DUE TO ESSENTIAL SITE IMPROVEMENTS WILL BE MITIGATED.
 4. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 5. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. LAND CLEARING AND CONSTRUCTION CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION REQUIREMENTS AND METHODS.
 6. DETAILED CALCULATIONS AND LANDSCAPE DESIGN WILL BE PROVIDED ON CONSTRUCTION PERMITTING PLANS.

NOTE:
EMERSON STREET WILL BE EXTENDED TO THE EXISTING STUB OF BURNT MILL DRIVE

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APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
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Approved Construction Plan
Name _____ Date _____
Public Utilities _____
Traffic _____
Fire _____

TRACT C
N/F
RPP HOLDINGS, LLC
D.S. 5751-91
ZONING: IND
LAND USE: VACANT



LANDSCAPE CALCULATIONS:

REQUIREMENT	REQUIRED	PROVIDED
EMERSON STREET STREETYARD: - 917.50 L.F. FRONTAGE - 58.5 DRIVEWAY & 18' BUFFER- 834 L.F. • 1 CANOPY TREE / 600' S.F. (OR) • 3 UNDERSTORY TREE / 600' S.F. (AND) • 6 SHRUBS / 500' S.F.	15,012 S.F.	15,012 S.F. 251 TREES (N/A) U-TREES 1801 SHRUBS
PARKING AREA INTERIOR SHADING: - 205,782 S.F. x 20% - MINIMUM 75% LG. SHADE / CANOPY x 707 S.F. - MAXIMUM 25% SM. SHADE / CANOPY x 314 S.F.	41,156 S.F.	48,783 S.F. 69 TREES 0 U-TREES
(INTERIOR PLANTING ISLANDS)	N/A	36,260 S.F.
PARKING AREA PERIMETER	N/A	N/A
FOUNDATION PLANTINGS (FOR EACH BLDG): - WALL ADJACENT TO PARKING (L740 L.F. x 55 FACADE HT. x 12" (BLDGs 1,2 & 3)) - WALL ADJACENT TO PARKING (305 L.F. x 17 FACADE HT. x 12" (CLUBHOUSE))	11,484 S.F. 623 S.F.	13,920 S.F. 1,400 S.F.
OVERALL SITE (TREES): R.O. AC. x DEVELOPMENT AREA x 15 TREES / AC.	240 TREES	628 TREES (95 PRESERVED + 533 PLANTED)
TREE MITIGATION - TOTAL TREE MITIGATION	502.2 INCHES	869 INCHES



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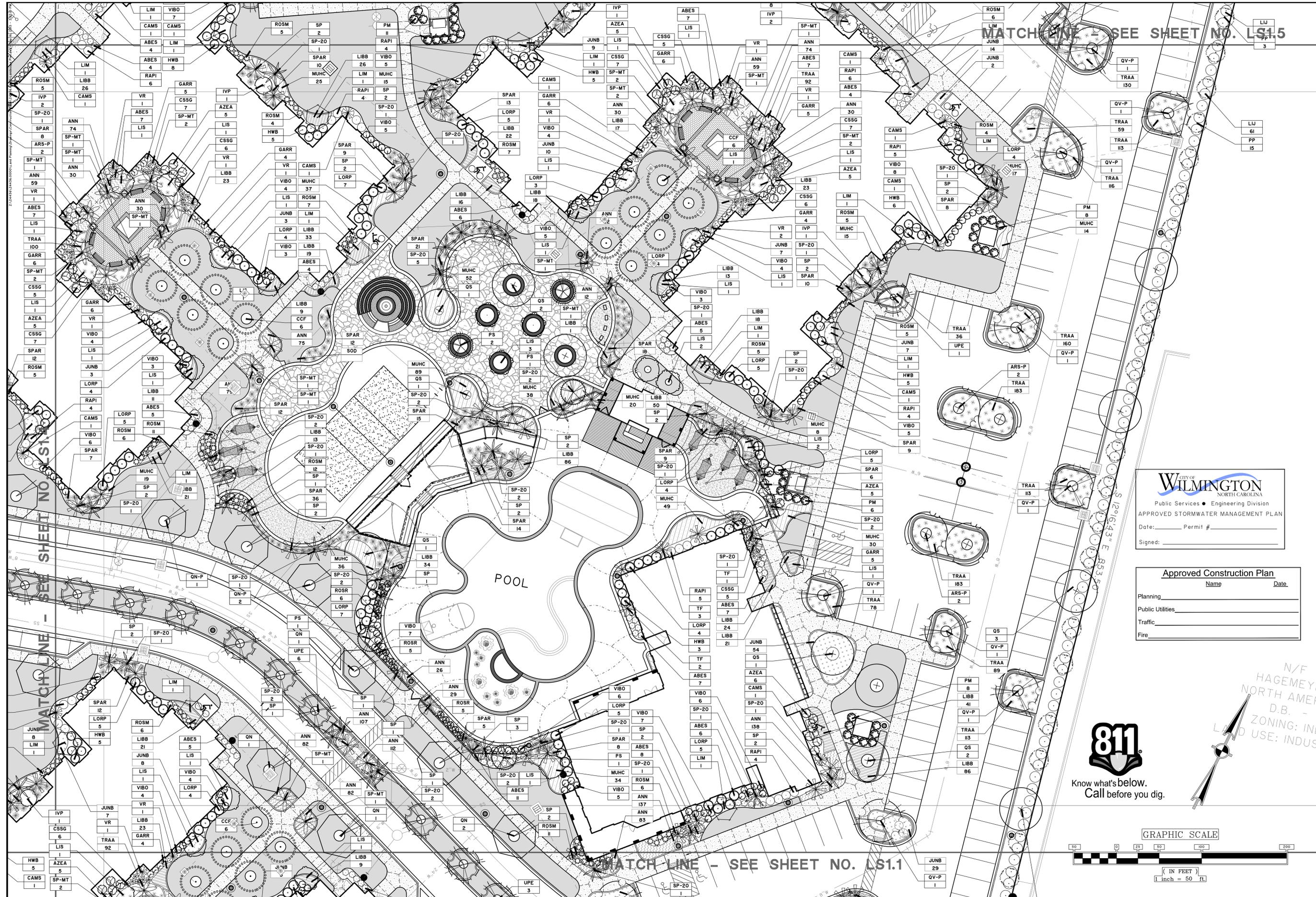
NO.	REVISIONS	BY	DATE

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PROGRESS910
4055 EMERSON STREET
CITY OF WILMINGTON, NORTH CAROLINA
PROGRESS BUILDERS, LLC
LANDSCAPE SHEET INDEX, NOTES & MITIGATION

JOB NO:	J-24436.0000
DATE:	9/24/13
DRAWN:	JLG
DESIGNED:	JLG
REVIEWED:	BHB
APPROVED:	JDR
SCALE:	1" = 50'

LG1.1



MATCH LINE - SEE SHEET NO. LS1.5

SEE SHEET NO. LS1.5

MATCH LINE - SEE SHEET NO. LS1.1



Date: _____ Permit # _____
Signed: _____

Approved Construction Plan

Name _____ Date _____

Planning _____

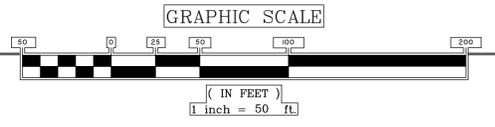
Public Utilities _____

Traffic _____

Fire _____



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PROGRESS BUILDERS, LLC
LANDSCAPE PLAN

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DESIGNED: JLG
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APPROVED: JDR
SCALE: 1" = 20'

LS1.3



Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

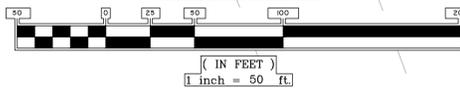
Date: _____ Permit # _____

Signed: _____



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GRAPHIC SCALE



Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

- QV 1
- JV 2
- MGDB 1
- JV 1
- QV 1
- I 1

- ARS 1
- JV 2
- PP 17

- PP 13
- QV 1
- QV 1
- JV 2
- MGDB 2

- MGDB 1
- IANR 1
- JV 3
- MGDB 3
- IANR 3
- JV 3
- PP 13

- PONC 95
- TD 3
- IRBF 151
- SAG 161

- TD 1
- SAG 200
- IRBF 15
- PONC 76

- TD 1
- TD 3

- QV-P 1
- TRAA 143
- TRAA 156
- QV-P 1
- SOD 1

- TD 6
- ARS-P 2
- TRAA 212

- QN 1
- ARS-P 2
- TRAA 212

ACCESSIBLE PICNIC TABLES (1 OF 2)
(TO BE SELECTED BY OWNER)

- QV 1
- QV-P 1
- TRAA 109

- PM 6
- SP 1
- SP-20 1
- SP 1
- MUHC 17

- IVP 7
- CSSG 6
- LIS 1
- AWA 5
- SP-MT 2
- CAMS 1
- CSSG 7

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PROGRESS910
 4055 EMERSON STREET
 CITY OF WILMINGTON, NORTH CAROLINA
 PROGRESS BUILDERS, LLC
 LANDSCAPE PLAN AND DOG PARK LAYOUT AND CALLOUT

JOB NO: J-24436.0000
 DATE: 9/24/13
 DRAWN: JLG
 DESIGNED: JLG
 REVIEWED: BHB
 APPROVED: JDR
 SCALE: 1" = 20'

LS1.4

2374436.0000.dwg | Planning | Surveying | GIS | Consulting | 9/24/13 2:32:52 PM

CITY OF WILMINGTON
NORTH CAROLINA
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APPROVED STORMWATER MANAGEMENT PLAN

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Approved Construction Plan

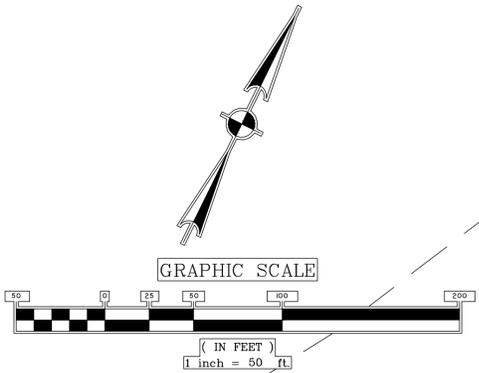
Name _____ Date _____

Planning _____
Public Utilities _____
Traffic _____
Fire _____



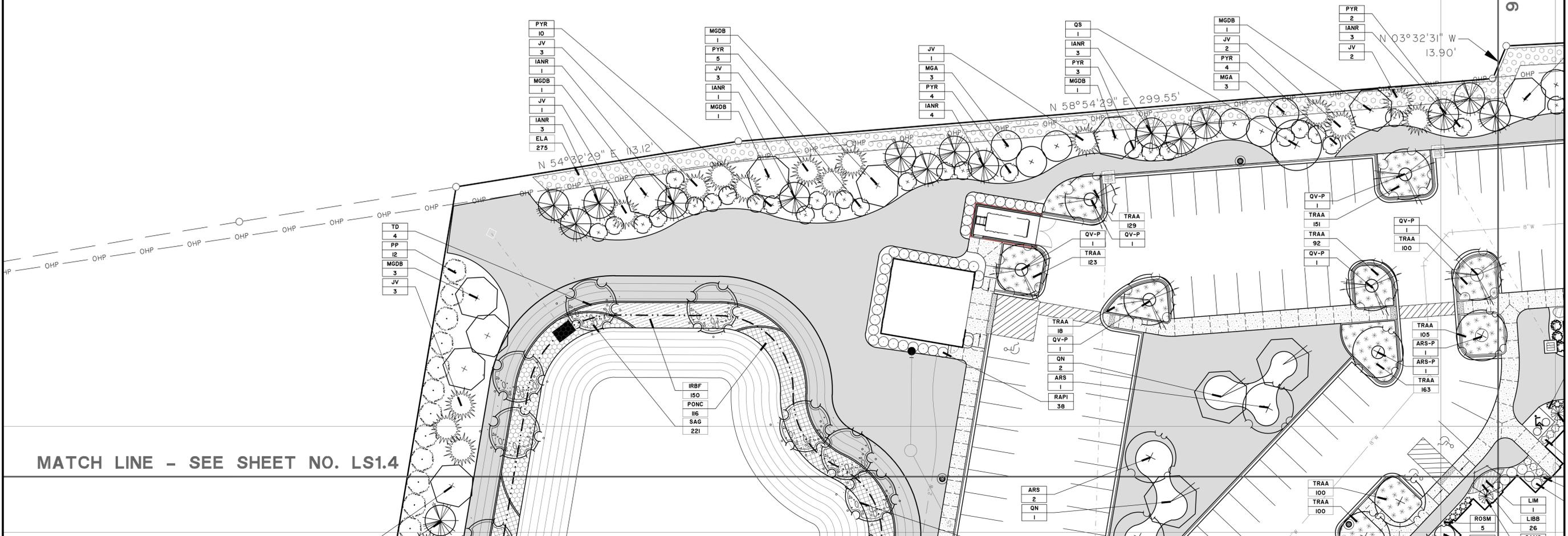
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DE, LLC
D.B. 5579-552
ZONING: MF-M (CD)
LAND USE:
MULTI-FAMILY
RESIDENTIAL



CSX RAILROAD
(FORMERLY SEABOARD COASTLINE)
R/W VARIES

MATCH LINE - SEE SHEET NO. LS1.6



MATCH LINE - SEE SHEET NO. LS1.4

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PROGRESS BUILDERS, LLC
LANDSCAPE PLAN

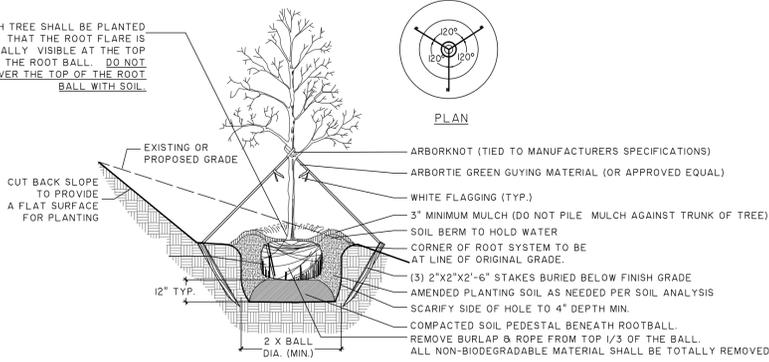
JOB NO:	J-24436.0000
DATE:	9/24/13
DRAWN:	JLG
DESIGNED:	JLG
REVIEWED:	BHB
APPROVED:	JDR
SCALE:	1" = 20'

LS1.5

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

Approved Construction Plan
Name _____ Date _____
Planning _____
Public Utilities _____
Traffic _____
Fire _____

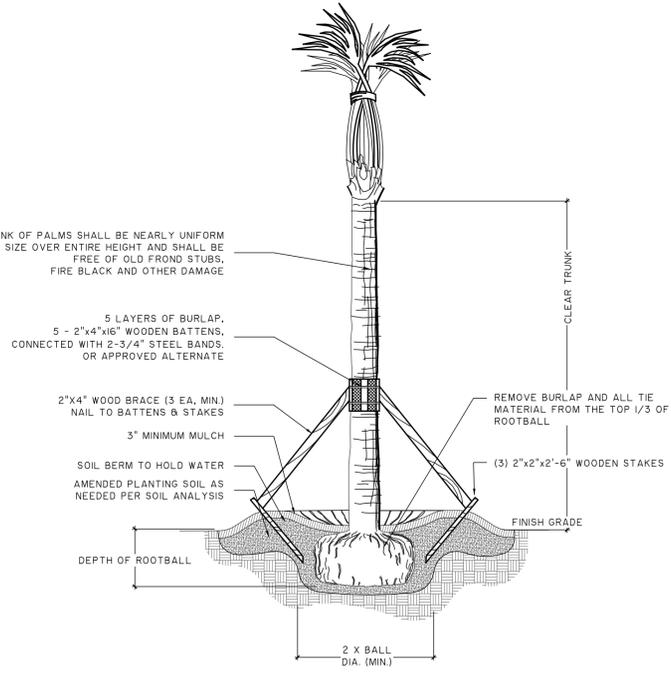
EACH TREE SHALL BE PLANTED SUCH THAT THE ROOT FLARE IS PARTIALLY VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.



- NOTES:
1) SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
2) ONLY GUY TREES WHEN SITE CONDITIONS REQUIRE IT.
3) PLANT ROOT BALL FLUSH WITH FINISHED GRADE UNLESS AREA HAS POOR DRAINAGE. IN WHICH CASE PLANT ROOTBALL 2" ABOVE GRADE.
4) REMOVE ALL BRANCHES THAT ARE DAMAGED, RUBBING, OR CROSSING OTHER BRANCHES.
5) NEVER CUT A CENTRAL LEADER.
6) FINAL TREE STAKING AND PLACEMENT TO BE APPROVED BY OWNER'S REP.
7) CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

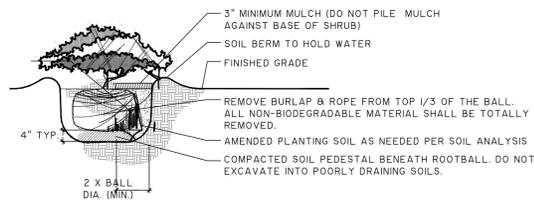
TREE PLANTING ON A SLOPE
NOT TO SCALE

TRUNK OF PALMS SHALL BE NEARLY UNIFORM IN SIZE OVER ENTIRE HEIGHT AND SHALL BE FREE OF OLD FROND STUBS, FIRE BLACK AND OTHER DAMAGE



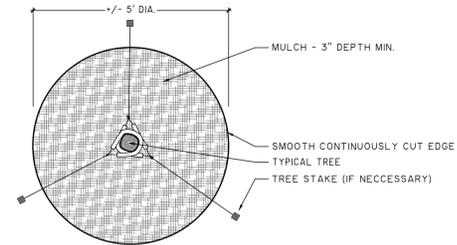
- NOTES:
1) SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
2) PLANT ROOT BALL FLUSH WITH FINISHED GRADE UNLESS AREA HAS POOR DRAINAGE. IN WHICH CASE PLANT ROOTBALL 2" ABOVE GRADE.
3) SABAL PALMETTOS SHALL BE DEFOLIATED, PROTECT CABBAGE HEAD FROM DAMAGE. ALL OTHER PALM SPECIES MUST HAVE FRONDS TIED W/BIODEGRADABLE STRAP OR TWINE.
4) FINAL TREE STAKING AND PLACEMENT TO BE APPROVED BY OWNER'S REP.
5) CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

PALM TREE PLANTING
NOT TO SCALE



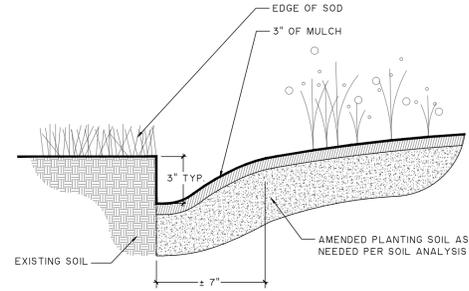
- NOTES:
1) SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
2) WHEN GROUNDCOVER AND SHRUBS ARE USED IN MASSES, DO NOT FORM SOIL BERMS ON INDIVIDUAL PLANTS AND ENTIRE PLANTING BED SHALL BE EXCAVATED TO RECEIVE PLANTING SOIL AND PLANT MATERIAL.
3) PLANT ROOT BALL FLUSH WITH FINISHED GRADE UNLESS AREA HAS POOR DRAINAGE. IN WHICH CASE PLANT ROOTBALL 2" ABOVE GRADE. COORDINATE WITH OWNER'S REP. PRIOR TO SETTING ROOTBALL ELEVATIONS.
4) CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

SHRUB PLANTING
NOT TO SCALE



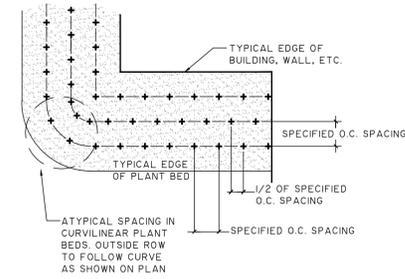
- NOTES:
1) SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
2) APPLY MULCH IN A +/- 5" DIAMETER WHERE PROPOSED TREE PLANTINGS OCCUR IN SOD OR SEEDED AREA.

TREE RING
NOT TO SCALE



- NOTES:
1) TRENCH EDGE TO BE LOCATED BETWEEN PLANTING BEDS AND ALL LAWN AREAS.

SOD TO PLANT BED EDGE
NOT TO SCALE



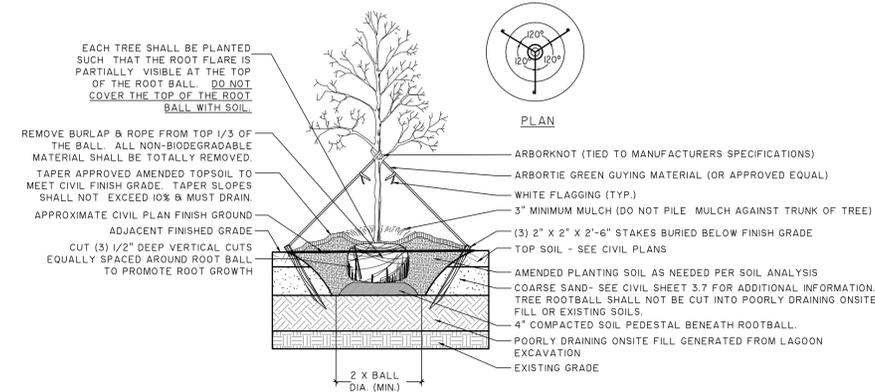
- NOTES:
1) EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER PLANTING TO A DEPTH OF 12".

PLANT SPACING DETAIL
NOT TO SCALE

GENERAL PLANTING / IRRIGATION NOTES:

- REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANTS IN THE PLANT LIST SHOULD FOLLOW OR EXCEED THE STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN THE AMERICAN STANDARD FOR NURSERY STOCKS (ANS). UNLESS OTHERWISE SPECIFIED, ANY SIZE SPECIFIED SHALL BE CONSIDERED MINIMUM. MINIMUMS FOR HEIGHT, SPREAD, CALIPER, ETC SHALL TAKE PRECEDENCE OVER A SPECIFIED CONTAINER SIZE. (I.E. - IF 7 GALLON IS REQUIRED, TO PROVIDE A SPECIFIED HEIGHT OR SPREAD THAT IS SPECIFIED AS A 3 GALLON, THEN THE 7 GALLON SHALL BE REQUIRED AND INCLUDED IN THE BASE BID AND SHALL NOT BE CONSIDERED A CHANGE ORDER.
- ALL PLANTS SHALL HAVE A WELL FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNMANGLED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
- MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY (50) PER CENT OF THIS YEARS' VERTICAL GROWTH (TOP CANDLE).
- THE LANDSCAPE CONTRACTOR IS HEREBY NOTIFIED OF THE EXISTENCE OF UNDERGROUND UTILITIES WITHIN THE LIMITS OF THE PROJECT AREA. THE CONTRACTOR SHOULD VERIFY THE EXACT LOCATION OF ALL UTILITY LINES PRIOR TO COMMENCEMENT OF DIGGING OPERATIONS. CONTRACTOR RESPONSIBLE FOR LOCATING, PROTECTING, AND REPAIRING ALL DAMAGE TO BUILDINGS, UTILITIES, PAVEMENT, AND CURB & GUTTER. ANY REPAIRS SHALL BE DONE PROMPTLY AT CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND OWNER PRIOR TO OPENING ANY PLANTING PITS.
- IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF HOLES WITH SIX (6) INCHES OF WATER. THIS WATER SHOULD PERCOLATE WITHIN A TWENTY-FOUR (24) HOUR PERIOD. IF WATER DOESN'T PERC, CONTRACTOR SHALL NOTIFY THE OWNER'S REP PRIOR TO INSTALLING PLANTS.
- SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PANS, STEAM OR OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS. OTHERWISE, THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE FOR PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP THE SITE AT THE COMPLETION OF THE PROJECT AND SHALL MAINTAIN THE SITE IN A REASONABLY NEAT AND CLEAN STATE THROUGHOUT THE INSTALLATION PROCESS. STREETS AND PAVED AREAS SHALL BE CLEANED REGULARLY TO REMOVE CONSTRUCTION MATERIALS AND OTHER DEBRIS RESULTING FROM WORK OF THE PROJECT.
- PLANTS SHALL BE GUARANTEED FOR THE LENGTH OF TIME REQUIRED BY THE LOCAL JURISDICTION (MIN. OF TWO (2) FULL YEARS) AFTER THE FORMAL ACCEPTANCE OF THE PLANTING BY THE OWNER AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ANY PLANT NOT IN A HEALTHY AND VIGOROUS STATE AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO COST TO THE OWNER. PLANTS SEVERELY DAMAGED BY VANDALS ARE NOT SUBJECT TO REPLACEMENT BY THE CONTRACTOR.
- REPLACEMENTS OF DEAD OR UNSATISFACTORY MATERIAL SHALL BE MADE AS SPECIFIED IN THE PLANT LIST. THE OWNER OR LANDSCAPE ARCHITECT SHALL INSPECT REPLACED PLANTS WHEN ALL REPLACEMENTS HAVE BEEN MADE. REPLACEMENTS ARE TO BE ALIVE AND IN A HEALTHY CONDITION WHEN THE REPLACEMENTS ARE COMPLETE. REPLACEMENTS ARE NOT

- SUBJECT TO AN ADDITIONAL GUARANTEE, BUT THE LANDSCAPE CONTRACTOR SHALL CONSULT WITH THE LANDSCAPE ARCHITECT ON REASON FOR PLANT DECLINE/DEATH AND HOW TO AVOID FUTURE INSTANCES.
- SHOULD THE CONTRACTOR NOT MAKE REPLACEMENTS IN A SATISFACTORY AND TIMELY FASHION IN ACCORD WITH THE PLANTING NOTES, THE OWNER, AFTER PROPER NOTIFICATION TO THE CONTRACTOR MAY UTILIZE THE FUNDS OF THE RETAINAGE TO HAVE THE REPLACEMENTS MADE IN ACCORDANCE WITH THE SPECIFICATIONS BY ANOTHER CONTRACTOR.
 - NO EXCAVATION OR PLANTING PIT SHALL BE LEFT UNATTENDED OVERNIGHT.
 - PLANT MATERIAL QUANTITIES PROVIDED IN THE PLANT LIST ARE FOR REFERENCE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL PLANT MATERIAL COUNTS. DISCREPANCIES BETWEEN QUANTITIES SHOWN ON THE PLANTING PLAN AND THOSE IN THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. IF CLARIFICATION OF DISCREPANCIES FROM THE LANDSCAPE ARCHITECT IS NOT POSSIBLE, THEN QUANTITIES SHOWN ON THE PLANTING PLAN SHALL TAKE PRECEDENCE.
 - REMOVE BURLAP/STRAPPING AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL ON TREES.
 - REMOVE PAPER, PLASTIC OR METAL AROUND ROOT BALLS OF SHRUBS.
 - DO NOT WRAP TREES.
 - WATER ALL PLANT MATERIAL IMMEDIATELY AFTER PLANTING.
 - TREE GUYING MATERIAL SHALL BE 'ARBOR-TIE' OR EQUIVALENT.
 - ALL PLANT BEDS TO BE MULCHED WITH 3" OF DOUBLE SHREADED HARDWOOD MULCH.
 - ALL AREAS OF PLANTING, INCLUDING AREAS OF GRASS SEEDING AND SOD, SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE PROVIDED APPROPRIATE SOIL FOR THE PROPOSED PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL ADJUST PH AND / OR SOIL FERTILITY BY UNIFORMLY INCORPORATING REQUIRED SOIL CONDITIONING MATERIALS AT THE RATE AND DEPTH DETERMINED BY THE ANALYSIS OF THE SOIL TEST (AS REQUIRED IN 3.02 AND 3.12 OF THE LANDSCAPING SPECIFICATIONS). EACH SOIL TEST SHALL BE SPECIFIC TO THE PROPOSED PLANT MATERIAL TO BE INSTALLED IN A GIVEN AREA.
 - ALL EXISTING VEGETATION WITHIN AREAS TO BE PLANTED / SODDED / SEEDED SHALL BE REMOVED PRIOR TO PLANTING / SODDING / SEEDING. ALL AREAS INDICATED TO BE GRASS SEED SHALL BE HYDROSEED PER EROSION SEDIMENT CONTROL SPECIFICATIONS FOR PERMANENT STABILIZATION.
 - CONTRACTOR TO SUPPLY AUTOMATIC IRRIGATION SYSTEMS, COMPLETE AND INSTALLED. SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, RAIN SENSOR, AND CLOCK AND TO PROVIDE 100% COVERAGE OF ALL NEW SODDED AREAS, TREES, SHRUBS AND PLANTING BEDS. COORDINATE IRRIGATION WITH OWNER'S REPRESENTATIVE. (CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF PROPOSED IRRIGATION SYSTEM FOR OWNER ACCEPTANCE)
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR AUTOMATIC IRRIGATION SYSTEMS. CONTRACTOR SHALL PROVIDE ELECTRIC METER AND SERVICE IN ACCORDANCE WITH STATE AND LOCAL CODES FOR IRRIGATION SYSTEM. LOCATION OF METERS AND CONTROL PANELS FOR IRRIGATION SHALL BE APPROVED BY OWNER'S REP. PRIOR TO INSTALLATION.
 - ALL TREES SHALL BE INSTALLED PER THE REQUIREMENTS OF THE CITY OF WILMINGTON, NORTH CAROLINA APPLICABLE ORDINANCES.



- NOTES:
1) SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
2) ONLY GUY TREES WHEN SITE CONDITIONS REQUIRE IT.
3) PLANT ROOT BALL A MINIMUM OF 2" OR HIGHER AS DICTATED BY SITE CONDITIONS TO PREVENT ANY CUT INTO POORLY DRAINING SOILS.
4) REMOVE ALL BRANCHES THAT ARE DAMAGED, RUBBING, OR CROSSING OTHER BRANCHES.
5) NEVER CUT A CENTRAL LEADER.
6) FINAL TREE STAKING AND PLACEMENT TO BE APPROVED BY OWNER'S REP.
7) CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

TREE PLANTING
NOT TO SCALE



Know what's below.
Call before you dig.

Preliminary
Not for Construction

NO.	REVISIONS	BY	DATE

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Engineering | Surveying | Planning | GIS | Consulting
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PROGRESS910
4055 EMERSON STREET
CITY OF WILMINGTON, NORTH CAROLINA
PROGRESS BUILDERS, LLC
PLANT SCHEDULE, NOTES & DETAILS

JOB NO:	J-24436.0000
DATE:	9/24/13
DRAWN:	JB
DESIGNED:	SKM
REVIEWED:	JDR
APPROVED:	JDR
SCALE:	NTS

LS2.1

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PLANT SCHEDULE

TREES

QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS	MITIGATION INCHES PROVIDED
23	ARS-P	Acer rubrum 'Summers Red'	'Summers Red' Red Maple	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	0
9	ARS	Acer rubrum 'Summers Red'	'Summers Red' Red Maple	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	22.5
22	CCF	Cercis canadensis 'Forest Pansy'	'Forest Pansy' Redbud	B & B ; 2.5" Cal. 12' HT. X 4' SPD.	AS SHOWN	Specimen, single trunk	55
34	IANR	Ilex aquifolium x cornuta 'Nellie R. Stevens'	'Nellie R. Stevens' Holly	2-1/2" CAL. 12-14' O.A. HT.	AS SHOWN	Specimen, full to ground	0
12	IYP	Ilex vomitoria 'Pendula'	Weeping Yaupon Holly	CONT. 60" O.A. HT.	AS SHOWN	Specimen, full to ground	0
50	JV	Juniperus virginiana 'Burkii'	Eastern Red Cedar	B & B OR CONT. : 2.5" Cal., 10 TO 12' Ht.	AS SHOWN	Full to ground	100
30	LIM	Lagerstroemia indica 'Muskogee'	'Muskogee' Crape Myrtle	CONT. 10' - 12' HT.	AS SHOWN	Specimen, multi-trunk, 3 trunk min, 1" Cal. per cane	90
37	LIS	Lagerstroemia indica 'Sarah's Favorite'	Sarah's Favorite Crape Myrtle White	CONT. 2.5" CAL. 12' - 14' HT. O.A.HT.	AS SHOWN	Specimen, Standard	92.5
23	MGA	Magnolia grandiflora 'ALTA'	'ALTA' Southern Magnolia	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen, Full to Ground	0
25	MGB	Magnolia grandiflora 'D.D. Blanchard'	'D.D. Blanchard' Southern Magnolia	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen, Full to Ground	62.5
92	PP	Pinus palustris	Longleaf Pine	B & B OR CONT. : 2" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	184
5	PS	Prunus serrulata 'Kwanzan'	Kwanzan Cherry	B & B OR CONT. : 2.5 CAL. 4' SPD, 12' O.A. HT.	AS SHOWN	Specimen	12.5
8	QN-P	Quercus nuttallii	Nuttall Oak	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	0
21	QN	Quercus nuttallii	Nuttall Oak	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	52.5
20	QS	Quercus shumardii	Shumard Oak	B & B OR CONT. : 2.5" Cal. Min., 12-14' Ht.	AS SHOWN	Specimen	50
13	QV	Quercus virginiana 'Cathedral'	'Cathedral' Live Oak	B & B OR CONT. : 2.5" Cal. Min., 12-14' Ht.	AS SHOWN	Specimen	32.5
39	QV-P	Quercus virginiana 'Cathedral'	'Cathedral' Live Oak	B & B OR CONT. : 2.5" Cal. Min., 12-14' Ht.	AS SHOWN	Specimen	0
66	SP	Sabal palmetto	Sabal Palm	BR 14-16' OA HT	AS SHOWN	Stagger HTs.	0
62	SP-20	Sabal palmetto	Sabal Palm	BR 20' OA HT	AS SHOWN	Stagger HTs.	0
36	SP-MT	Sabal palmetto	Sabal Palm	BR 20' OA HT	AS SHOWN	Matching HTs.	0
32	TD	Taxodium distichum	Bald Cypress	B & B or CONT. 2.5" Cal. 14' HT. X 6' SPD.	AS SHOWN	Specimen	65
6	TF	Trachycarpus fortunei	Windmill Palm	B & B ; 6-8' OA. HT	AS SHOWN	Multi-stem 2 Starger ht. trunks	0
20	UPE	Ulmus parvifolia 'BSNUFF' PPI7,655	'Everclear' Elm	BBB OR CONT. : 2.5" CAL. 4' SPD. 12' HT.	AS SHOWN	Specimen	50

BUFFER TREES

QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS	MITIGATION INCHES PROVIDED
6	ARS-B	Acer rubrum 'Summers Red'	'Summers Red' Red Maple	B & B OR CONT. : 2.5 " Cal. Min., 14-16' Ht.	AS SHOWN	Specimen	0
13	MGB-B	Magnolia grandiflora 'D.D. Blanchard'	'D.D. Blanchard' Southern Magnolia	B & B OR CONT. : 2.5" Cal. Min., 14-16' Ht.	AS SHOWN	Specimen, Full to Ground	0

SHRUBS

QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
139	ABES	Abelia x grandiflora 'Frances Mason'	'Frances Mason' Abelia	CONT. 18" X 18"	AS SHOWN	Full
41	AZEA	Azalea x 'Conlee' PP#10567	Encore Azalea Autumn Amethyst™	CONT. 20" X 20"	AS SHOWN	Full to Ground
80	CSSG	Camellia sasanqua 'Shishi Gashira'	Shishi Gashira Camellia	CONT. 24" O.A. HT.	AS SHOWN	Full to ground
22	CAMS	Camellia sasanqua 'White Doves'	White Doves Camellia	CONT. 36" O.A. HT.	AS SHOWN	Full
275	ELA	Elaeagnus pungens	7 GAL. ; 30" HT.	5'	AS SHOWN	Full
86	GARR	Gardenia jasminoides 'Radicans'	Dwarf Gardenia	CONT. 16" X 16"	AS SHOWN	Full
64	HWB	Hebe 'Wiri Blue'	Wiri Blush Hebe	CONT. 24" X 24"	AS SHOWN	Full
102	LJU	Ligustrum japonicum	Japanese Privet	CONT. 36" O.A. HT.	AS SHOWN	Full
108	LORP	Loropetalum chinense 'Purple Diamond'	Purple Diamond Loropetalum	CONT. 20" X 20"	AS SHOWN	Full
18	MC	Myrica cerifera	Wax Myrtle	CONT. 36" O.A. HT.	AS SHOWN	Full to Ground
59	PM	Podocarpus macrophyllus 'Maki'	Southern Yew	CONT. 36" O.A. HT.	AS SHOWN	Full to Ground
69	PYR	Pyracantha koidzumii	Formosa Firethorn	CONT. 48" O.A. HT.	AS SHOWN	Full
149	RAPI	Raphiolepis indica	Indian Hawthorn	CONT. 20" X 20"	AS SHOWN	Full
16	ROSR	Rosa 'Radtko'	The Double Knock Out®Rose	CONT. 18" X 18"	AS SHOWN	Full to Ground
201	ROSM	Rosa 'Meidiflora'	Coral Drift®	CONT. 20" X 20"	AS SHOWN	Full to Ground
145	VIBO	Viburnum Obovatum 'Mrs. Schiller's Delight'	Viburnum 'Mrs. Schiller's Delight'	CONT. 20" X 20"	AS SHOWN	Full
15	VR	Viburnum rhytidophyllum	Leatherleaf Viburnum	CONT. 48" O.A. HT.	AS SHOWN	Full

BUFFER SHRUBS

QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANT SIZE	SPACING	MISCELLANEOUS / REMARKS
46	AZEA-B	Azalea x 'Conlee' PP#10567	Encore Azalea Autumn Amethyst™	CONT. 36" X 20"	AS SHOWN	Full to Ground
16	IV-B	Ilex vomitoria	Yaupon Holly	CONT. 36" O.A. HT.	AS SHOWN	Specimen, full to ground
25	LIRC-B	Ligustrum japonicum	Japanese Privet	CONT. 36" X 24"	AS SHOWN	Full
17	LORP-B	Loropetalum chinense 'Purple Diamond'	Purple Diamond Loropetalum	CONT. 24" X 20"	AS SHOWN	Full
28	MC-B	Myrica cerifera	Wax Myrtle	CONT. 36" O.A. HT.	AS SHOWN	Full to Ground
20	ND-B	Nandina domestica 'Harbour Dwarf'	Harbour Dwarf Nandina	CONT. 18" X 18"	AS SHOWN	Full to ground
32	OXF-B	Osmanthus x fortunei	Fortune's Tea Olive	CONT. 48" O.A. HT.	AS SHOWN	Specimen, full to ground
43	ROSR-B	Rosa 'Radtko'	The Double Knock Out®Rose	CONT. 18" X 18"	AS SHOWN	Full to Ground

ORNAMENTAL GRASSES AND GROUNDCOVERS

QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
2858	S.F.	ANN	Seasonal Color	CONT. 12" O.A. HT.	12"	Species to be selected by owner. Plant at appropriate spacing to create immediate solid mass. Plant in 6 to 9" garden soil mound.
8650	S.F.	SD-1	Retention Basin Mix	-----	12"	See Grassing Specifications
185000	S.F.	SOD	Cynodon dactylon 'Celebration'	'Celebration' Bermuda Grass	-----	Dense roots
615	IRBF	Iris versicolor	Blue Flag Iris	CONT. 12" O.A. HT.	2'	Full
408	JUNB	Juniperus squamata expansa 'Parsonii'	Parson's Juniper	CONT. 12" X 20"	2.5'	Full
960	LIBB	Liriope muscari 'Big Blue'	Big Blue Liriope	CONT. 6" O.A. HT.	18"	Full
927	MUHC	Muhlenbergia capillaris	Pink Muhly Grass	1 GAL. ; 6" X 12"	2'	Full
402	PONC	Pontederia Cordata	Pickeralweed	CONT. 3" O.A. HT.	3'	Full
1005	SAG	Sagittaria lanifolia	Bulltongue	CONT. 24" O.A. HT.	2'	Full
538	SPAR	Spartina bakeri	Cord Grass	CONT. 12 x18"	AS SHOWN	Full
6646	TRAA	Trachelospermum asiaticum	Asiatic Jasmine	CONT. 4" X 8"	18"	Full

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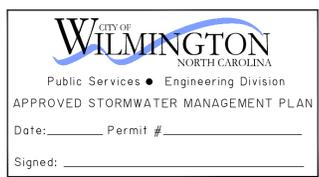
NO.	REVISIONS	BY	DATE

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Savannah, GA | Brunswick, GA | Charleston, SC | Myrtle Beach, SC

PROGRESS10
4055 EMERSON STREET
CITY OF WILMINGTON, NORTH CAROLINA
PROGRESS BUILDERS, LLC
PLANT SCHEDULE

JOB NO:	J-24436.0000
DATE:	9/24/13
DRAWN:	JLG
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REVIEWED:	RPT
APPROVED:	JDR
SCALE:	

LS2.2



Approved Construction Plan

Name _____ Date _____

Planning _____

Public Utilities _____

Traffic _____

Fire _____



