

March 5, 2021

SUP 21-01 & PR 21-01 Thales – Wait Ave

Organization: CORPUD **Reviewer:** Tim Beasley
Email: Timothy.beasley@raleighnc.gov **Phone:** 919-996-2176

SUP 21-01 Thales - Wait Ave

1. Public water must be extended to PIN: 1860151206 unless the intention is for this to be recombined with DA-7
2. Public water must be extended in all public roadways including the remaining portion of the collector road going to Averette Rd. The pud utility plan is currently not showing a waterline in this section.
3. The waterline within Averette should be shown on the west side rather than the east side because the existing waterline south in Averette is currently on the west side and the east side of Averette currently cannot be served by Raleigh with utilities.
4. Any needed improvements identified by the downstream sewer capacity study must be designed and permitted with the development plan construction drawings

PR 21-01 Thales - Wait Ave Preliminary Plat

5. All FH's must be located behind any adjacent sidewalks. If the FH is not fully located within the R/W, 10'x5' City of Raleigh Water Line Easement will be required.
6. FH's should be spaced every 300' along Wait Ave because there is a proposed school across the road.
7. Every public street intersection will require a public FH. I do not see hydrants at C & D Classical Way intersections and A & E intersections.
8. In general, all water and sewer mains should have 10' horizontal separation with the roadways. As shown on the preliminary plat, some appear to be closer than 10' separation.
9. Water lines in Streets C, D & E should be on the north side of the pavement.
10. The water line within Classical Way will need to be shown on the east side to match what the approved Elizabeth Springs CDs.
11. Phase lines should be shown on the Utility sheets. On the CDs, BOAs will need to be shown on the water lines at the phase lines.
12. The City of Raleigh Standard Utility Notes should be shown on the overall utility sheet or within the general notes sheet (CORPUD Handbook Appendix D).



Notes Report

Date of Inspection: Wed Mar 3, 2021

Time: 13:30

Inspection Type: Plan Review - Site Plan

BUSINESS/OPERATION

Subdivision/Pulte Homes

2028 WAIT AVE

Wake Forest, NC 27587

Code

Notes

503.2.5 Dead ends

"Dead-end fire apparatus access roads in excess of 150 feet (45,720 mm) in length shall be provided with an approved area for turning around fire apparatus."

Wolf, Stephen R.
Deputy Fire Marshal



PPR – Pre-submittal Plan Review Checklist - Municipalities

Project Name	Thales – 2028 & 2206 Wait Avenue			Planning Number	PR 21-01	Jurisdiction	ROLESVILLE
Applicant	Craig Duerr, PE / Stewart Engineering			Watershed	Lower Neuse	New or Expansion (N/E)?	New
Project Acreage	92.23	Existing Impervious SF	0	Proposed Impervious SF	N/A	Disturbed Acreage	N/A
<input checked="" type="checkbox"/> Residential				<input type="checkbox"/> Nonresidential			

Review Status: 3/5/2021	<input checked="" type="checkbox"/> <u>Preliminary Subdivision Plan Comments Provided</u> All checked items must be addressed, and all applicable requirements met prior to approval of construction plans. Comments in red must be addressed prior to preliminary plan approval
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Submittal Package Requirements

Items marked with an "X" were noted as either insufficient or not provided. Engineer comments are in **RED** and provide the necessary requirements for either pre-construction or construction plan approval.

<input type="checkbox"/>	1.	Cover letter stating the purpose of the submission
<input checked="" type="checkbox"/>	2.	One copy of the Municipal Stormwater Tool (Site Data Sheet, Drainage Area Sheets, Site Summary Sheet, BMP Sheets, and BMP Summary sheet). The design tool is located at: http://www.wakegov.com/water/stormwater/management/program/Pages/default.aspx . Please provide.
<input type="checkbox"/>	3.	Drainage Area Maps with stormwater discharge points (existing/post construction/post BMP)
<input type="checkbox"/>	4.	Copy of the USGS Quad Map with delineated project limits
<input type="checkbox"/>	5.	Copy of the Wake County Soil Survey map with delineated project limits from 1970 manuscript.
<input checked="" type="checkbox"/>	6.	Proposed Site Plan:
	<input type="checkbox"/> a.	North arrow, graphic scale, drafting version date, and legend
	<input type="checkbox"/> b.	Show all Neuse Riparian Buffers : [15A NCAC 02B.0233 & 0242]
	<input checked="" type="checkbox"/> c.	Delineation of all existing and proposed impervious surfaces: roads, well lots, recreation sites, single family residences, etc. (consistent with Municipal SW Tool inputs). Please provide a breakout of all proposed impervious surface areas in the construction plan that are consistent with the Municipal Tool entries.
	<input type="checkbox"/> d.	Delineation of current FEMA boundaries (floodway, flood fringe & future/0.2%)



PPR – Pre-submittal Plan Review Checklist - Municipalities

<input checked="" type="checkbox"/>	e.	Proposed drainage easements and widths (<i>in Feet</i>). Please label all drainage easements.
<input checked="" type="checkbox"/>	f.	Location and type of all proposed stormwater management structures (<i>grass swale, wet/dry detention basin, filtering/infiltration basin, bioretention, etc.</i>). Please label SCM type (i.e. dry pond, wet pond, etc.).
<input checked="" type="checkbox"/>	g.	Proposed easement access lanes and sediment disposal areas for future maintenance of stormwater management facilities. Please label all access easements.
<input type="checkbox"/>	h.	A note should be added to the recorded plat distinguishing areas of disconnected impervious (refer to town websites and ordinances for final plat requirements)

Standards and Requirements Items marked with an “X” note relevant standards to be applied to the proposed development. Notes in RED provide review comments and/or any required elements to comply with standard. References are shown in brackets for the municipalities.

ROLESVILLE: *Town of Rolesville Unified Development Ordinance (UDO) Section 7.5: Stormwater Management Standards*
WENDELL: *Town of Wendell Unified Development Ordinance (UDO) Chapter 6: Environmental Protection, adopted 7/26/10.*
ZEBULON: *Town of Zebulon, NC Code of Ordinances: Chapter 151 and Chapter 152.249.*

Stormwater Management Requirements

<input checked="" type="checkbox"/>	7.	Stormwater Review Required - All residential subdivision development must submit a plan to comply with the applicable municipalities’ stormwater ordinance. Office, institutional, commercial or industrial development that <u>disturbs</u> greater than 20,000 square feet is required to comply with the stormwater management regulations. Development and redevelopment that disturb less than 20,000 square feet are not exempt if such activities are part of a larger common plan of development or sale, even though multiple, separate or distinct activities take place at different times on different schedules. Rolesville [7.5.1(E)], Wendell [Chapter 6.5(F)], Zebulon [Chapter 151.05]
<input checked="" type="checkbox"/>	8.	Stormwater Permit – is required for all development and redevelopment unless exempt pursuant to the Code of Ordinances. A permit may only be issued subsequent to a properly submitted, reviewed and approved stormwater management plan and permit application. Rolesville 7.5.1(E)(3)], Wendell [Chapter 6.5(F)(3)], Zebulon [Chapter 151.21(A)] Note: A permit may not be required if there are no post-construction requirements (i.e. SCMs).
<input checked="" type="checkbox"/>	9.	SCMs - For projects requiring stormwater treatment for quality and/or quantity control, the applicant must: 1) comply with the NC BMP Manual Rolesville [7.5.1(G)], Wendell [6.5(H)], Zebulon [151.07] 2) as well as <i>Completion of Improvements and Maintenance</i> , prior to issuance of a certificate of compliance or occupancy. Rolesville [7.5.5], Wendell [Chapter 6.5(O)], Zebulon [Chapter 151.50 – 151.56]
<input checked="" type="checkbox"/>	10.	Standards Based on Project Density - In accordance with the definitions, projects are identified as Ultra Low-Density (15%or less Built-Up-on Area, referred to as BUA, and less than one dwelling unit per acre), Low-Density (more than 15% BUA and no more than 24% BUA), and High-Density (24% or more BUA). Rolesville [7.5.4], Wendell [Chapter 6.5(M)], Zebulon [Chapter 151.35]




PPR – Pre-submittal Plan Review Checklist - Municipalities

	<input type="checkbox"/>	a.	<p><u>Standards for Ultra-Low and Low-Density Projects:</u></p> <ul style="list-style-type: none"> • Use of vegetated conveyances to maximum extent practicable • Location of development and redevelopment outside Riparian Buffer and Flood Protection Zones • Recorded deed restrictions or protective covenants to ensure future development maintains consistency with approved project plans • Permanent SCMs (Stormwater Control Measures) are to be designed in accordance with and as specified in the North Carolina Department of Environmental Quality’s Design Manual. • For Low-Density only, no net increase in peak flow leaving the site from the pre- development conditions for the 1 yr-24hr storm. Runoff volume drawdown time shall be a minimum of 48 hours, but not more than 120 hours. • Residential runoff after development must not exceed the Target Curve Numbers listed in the chart “Maximum Composite Curve Number, by Soil Group”. • Ultra-Low and Low-Density projects may be eligible for target curve number credits. <p>Wendell Only: Nitrogen export limited to 3.6 pounds per acre per year unless project achieves classification as an LID Project.</p> <p>Rolesville [7.5.4(A)(1-3)], Wendell [6.5(M)(1-3)], Zebulon [151.35(A-C)]</p>
	<input checked="" type="checkbox"/>	b.	<p><u>Standards for High-Density Projects:</u></p> <ul style="list-style-type: none"> • Measures shall control and treat runoff from the first inch of rain. Runoff volume drawdown time shall be a minimum of 48 hours, but not more than 120 hours. • Structural measures shall be designed to have a minimum of 85 % average annual removal for Total Suspended Solids (TSS) • Permanent SCMs (Stormwater Control Measures) are to be designed in accordance with and as specified in the North Carolina Department of Environmental Quality’s Design Manual. • No net increase in peak flow leaving the site from the pre -development conditions for the 1 yr-24hr storm. Runoff volume drawdown time shall be a minimum of 48 hours, but not more than 120 hours. • Location of development and redevelopment outside Riparian Buffer and Flood Protection Zones <p>Wendell Only: Nitrogen export limited to 3.6 pounds per acre per year unless project achieves classification as an LID Project.</p> <p>Rolesville [7.5.4(A)(4)], Wendell [6.5(M)(4)], Zebulon [151.35(D)]</p>
	<input checked="" type="checkbox"/>	c.	<p><u>General Standards:</u></p> <ul style="list-style-type: none"> • Downstream Impact Analysis – DIA must be performed in accordance with the “10% rule”, and a copy provided with the application. <p>Rolesville [7.5.4(B)(1)], Wendell [6.5(N)(1)], Zebulon [151.36(A)]</p>



PPR – Pre-submittal Plan Review Checklist - Municipalities

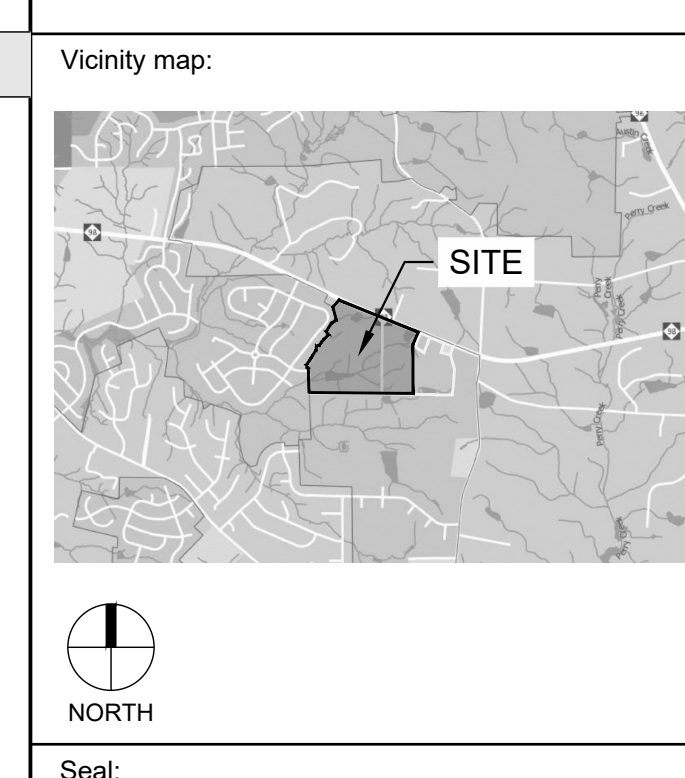
	<input type="checkbox"/>	d.	<p>Low Impact Development (LID) Classification:</p> <ul style="list-style-type: none"> • All development or redevelopment may be submitted for LID classification • Development must mimic the pre-developed hydrologic conditions of the site, as defined as “woods in good condition” for the 2-yr, 24 hr storm, within 10%. • Techniques required to achieve LID classification <ul style="list-style-type: none"> ➢ Natural site design ➢ Bio-retention systems or on-site infiltration (at least one must be used) ➢ At least two other techniques from the list provided in Rolesville [7.5.4(B)(5)(e) and Zebulon [151.36(E)(5) ➢ At least one other techniques from the list provided in Wendell [6.5(N)(5)(e)
Town of Wendell UDO Chapter 6.3 - Erosion and Sedimentation Control Requirements			
<input checked="" type="checkbox"/>	11.	<p>Erosion Control: This project will require a Land Disturbance Permit if it involves <u>greater than one acre of disturbance</u>. Adopting by reference the Wake County Soil Erosion and Sedimentation Control Ordinance. See website for details.</p>	
Riparian Buffer Rules			
<input checked="" type="checkbox"/>	12.	<p>Due to the location of this project, it should be noted that a rule to protect and maintain existing buffers along watercourses in the Neuse River Basin became effective on July 22, 1997. The Neuse River Riparian Area Protection and Maintenance Rule (15A NCAC 2B.0233) applies to all perennial and intermittent streams, lakes, ponds and estuaries in the Neuse River Basin with forest vegetation on the adjacent land or “riparian area”.</p>	
Suggested Changes/Comments			
<input checked="" type="checkbox"/>	13.	<p>Steep slopes proposed throughout site. Recommend specifying erosion control blanket on all slopes greater than 8 ft. in height.</p>	
Wake County PE:	 Barney Blackburn, PE	Contact Info: barney.blackburn@wakegov.com 919-418-3791	



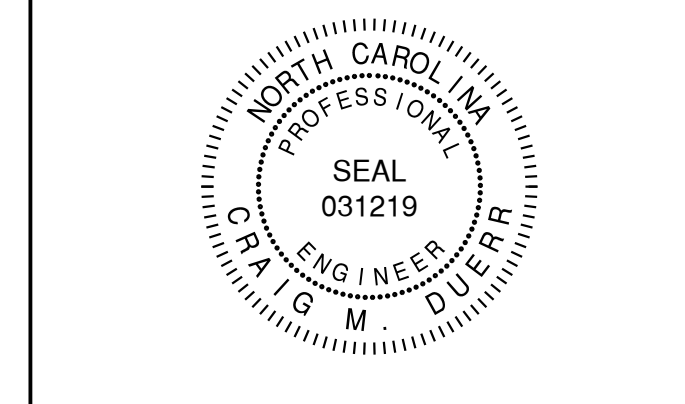
Client: PULTE HOMES CHRIS RAUGHEY 1224 CRESCENT GREEN CARY, NC 27518 PHONE (919)816-1100

Consultants: COMPANY NAME CONTACT NAME ADDRESS LINE 1 CITY, STATE ZIP/CODE PHONE #

COMPANY NAME CONTACT NAME ADDRESS LINE 1 CITY, STATE ZIP/CODE PHONE #



Seal: PRELIMINARY - DO NOT USE FOR CONSTRUCTION



Project: FORMER THALES SITE

Issued for: PRELIMINARY PLAT

Table with 3 columns: No., Date, Description. Contains a list of revision entries.

Title: GENERAL NOTES

Project number: C19003 Sheet #: 12.23.2020 Drawn by: ??? Approved by: ???

C0.10

GENERAL NOTES: 1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE OFFICE OF STATE CONSTRUCTION... 2. EXISTING SURVEY INFORMATION INCLUDING TOPOGRAPHIC INFORMATION PROVIDED BY STEWART... 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES...

EXISTING CONDITION NOTES: 1. THIS SURVEY MAP IS INTENDED TO REPRESENT THE EXISTING CONDITIONS/TOPOGRAPHY ON THE PROPERTY OF WINF, LLC... 2. THE PROPERTY LINES SHOWN HEREON HAVE BEEN CONFIRMED FROM A SURVEY BY STEWART ENGINEERING DATED FEBRUARY 7, 2018... 3. HORIZONTAL DATUM IS NAD 83 (2011)...

DEMOLITION NOTES: 1. THE CONTRACTOR SHALL REMOVE CONCRETE (WHERE REQUIRED) TO THE FIRST COLD JOINT OR SAW CUT TO OBTAIN A CLEAN EDGE... 2. THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT (WHERE REQUIRED) TO OBTAIN A CLEAN EDGE... 3. CLEANOUTS AND WATER VALVES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND RAISED TO BE FLUSH WITH NEW GRADE...

SITE NOTES: 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONSTRUCTION LAYDOWN AREA, PERIMETER FENCE, AND ASSOCIATED GATES... 2. THE CONTRACTOR SHALL REFERENCE THE DESIGN PLANS FOR DIMENSIONS, JOINT LOCATIONS, AND INLAY SPECIFICATIONS NEAR BUILDINGS AND IN COURTYARDS... 3. ALL CONSTRUCTION TRAFFIC SHALL ENTER SITE FROM... UNLESS OTHERWISE APPROVED IN WRITING FROM THE OWNER'S REPRESENTATIVE FOR AN ALTERNATE POINT OF ACCESS...

GRADING AND STORM DRAINAGE NOTES: 1. CONTRACTOR SHALL REPORT ANY GRADE DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION OPERATIONS... 2. THE MAXIMUM SLOPE ALONG ANY HANDICAP ACCESSIBLE PATHWAY SHALL NOT EXCEED 5.0% AND SHALL NOT EXCEED A 2.0% CROSS SLOPE... 3. ALL PROPOSED ELEVATIONS SHOWN ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE SPECIFIED...

DEMOLITION NOTES: 1. THE CONTRACTOR SHALL REMOVE CONCRETE (WHERE REQUIRED) TO THE FIRST COLD JOINT OR SAW CUT TO OBTAIN A CLEAN EDGE... 2. THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT (WHERE REQUIRED) TO OBTAIN A CLEAN EDGE... 3. CLEANOUTS AND WATER VALVES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND RAISED TO BE FLUSH WITH NEW GRADE...

UTILITY NOTES: 1. UNLESS OTHERWISE NOTED, ALL MANHOLES SHALL BE PRE-CAST CONCRETE STRUCTURES... 2. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF UNDERGROUND UTILITIES (WATER, SEWER, STORM, ELECTRICAL, GAS, OR OTHER) FOR THIS PROJECT WITH THE BUILDING PLANS... 3. THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE AND UTILITY PROVIDERS DURING CONSTRUCTION TO ENSURE SMOOTH TRANSITION BETWEEN DISCIPLINES...

PROPOSED UTILITY SEPARATION: 1. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10-FOOT HORIZONTAL SEPARATION IN WHICH CASE: a. THE WATER MAIN IS LAID IN A SEPARATE TRENCH... b. THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE WATER MAIN LOCATED AT ONE SIDE OF A BENCH OF UNDISTURBED EARTH...

SEWER NOTES: 1. SANITARY SEWER CLEANOUTS LOCATED IN PAVEMENT AREAS SHALL BE HEAVY DUTY TRAFFIC BEARING CASTINGS... 2. UNLESS OTHERWISE NOTED, ALL SANITARY SEWER MANHOLES ARE 4' DIA... 3. MANHOLES LOCATED IN PAVEMENT, CONCRETE OR OTHER TRAFFIC AREAS SHALL BE SET AT GRADE... 4. MINIMUM REQUIRED SLOPES FOR SEWER SERVICES: 4" SEWER SERVICE - 2.00% SLOPE 6" SEWER SERVICE - 1.00% SLOPE 8" SEWER SERVICE - 0.50% SLOPE...

WATER NOTES: 1. AS INDICATED, ALL WATERLINES SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF ANSI/AWWA C151 PRESSURE CLASS 350 OR SOFT COPPER TYPE K PIPE PER ASTM B88... 2. ALL WATERLINES SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER... 3. TESTING NOTES: PRESSURE: LEAKAGE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE LEAKAGE SPECIFIED IN AWWA C 600... 4. THE CHLORINE IN HEAVILY CHLORINATED WATER FLUSHED FROM MAINS NEEDS TO BE NEUTRALIZED BEFORE DISCHARGE...

MATERIALS AND FURNISHINGS NOTES: 1. ABBREVIATIONS FOR SPECIFIC HARDCAPE MATERIALS AND FURNISHINGS ARE LISTED IN THE LEGEND AND ARE USED THROUGHOUT THE DRAWING SET'S HARDCAPE & FURNISHINGS PLANS, PAVING PATTERN PLANS AND SITE DETAILS... 2. REFER TO RELATED SPECIFICATION SECTION FOR SPECIFIC SUBMITTALS OF PRODUCT DATA, SAMPLES, SHOP DRAWINGS, QUALITY ASSURANCE REQUIREMENTS, EXECUTION REQUIREMENTS, AND FOR FURTHER PRODUCT INFORMATION NOT INCLUDED IN THIS SCHEDULE... 3. CONTRACTOR TO SUBMIT COLOR SAMPLES AND PROVIDE MOCK-UPS FOR ALL CAST IN PLACE CONCRETE FOR APPROVAL BY LANDSCAPE ARCHITECT...

PAVING PATTERN NOTES: 1. END ALL UNIT PAVING PATTERNS WITH A FULL OR HALF SIZE PAVER UNLESS OTHERWISE NOTED. USE OVERSIZE PAVERS WHERE PATTERN ENDS ON A UNIT SMALLER THAN HALF SIZE... 2. LAYOUT OF UNIT PAVING PATTERNS AND CONCRETE JOINTS AS INDICATED ON THIS PLAN. REFERENCE LAYOUT PLANS FOR FURTHER PAVING LAYOUT INFORMATION... 3. PAVERS ABUTTING TRUNCATED DOMES SHALL BE A CONTRASTING COLOR... 4. ALIGN ALL TRUNCATED DOME PAVER JOINTS WITH ABUTTING PAVER JOINTS...

SIGNAGE, STRIPING AND MARKING NOTES: 1. ALL INTERNAL SIGNAGE SHALL BE COORDINATED WITH OWNER FOR ACTUAL LOCATION AT TIME OF INSTALLATION. SIGNAGE LEADING ONTO PUBLIC THROUGHFARE SHALL BE INSTALLED AT RIGHT OF WAY PER DOT STANDARDS... 2. ALL PAVEMENT STRIPING (EXCEPT INDIVIDUAL PARKING BAY STRIPING) SHALL BE THERMOPLASTIC REFLECTIVE PAINT. MATERIALS AND DIMENSIONS SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS... 3. CROSSWALKS SHALL BE CONSTRUCTED OF THERMOPLASTIC MATERIALS AND CONSTRUCTED IN ACCORDANCE WITH STATE DOT SPECIFICATIONS... 4. ADA SYMBOLS SHOWN THESE DRAWINGS ARE FOR LOCATION PURPOSES ONLY AND NOT INTENDED TO BE PAINTED. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL REQUIRED ADA SIGNAGE...

LANDSCAPE NOTES: 1. VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES OR INACCURACIES IN THE PLANS TO THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING... 2. LANDSCAPE WORK SHALL INCLUDE THE FURNISHING, INSTALLATION, AND WARRANTY OF ALL PLANTING MATERIALS WITHIN THE PROJECT AREA... 3. THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL EXISTING AND NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR PLANTING... 4. LANDSCAPING SHALL REMAIN CLEAR FROM ANY FIRE HYDRANTS ON THE SITE... 5. ALL TREES TO BE A MINIMUM OF 2" IN CALIPER AND MUST MEET THE AMERICAN STANDARD FOR NURSERY STOCK... 6. TREE PROTECTION NOTE: TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT AND SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH... 7. PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED... 8. ROOT ZONE PROTECTION AREA: VARIES BASED ON LOCAL JURISDICTION HAVING AUTHORITY... 9. SEED BED PREPARATION: ALL AREAS TO BE SEEDBED ARE TO RECEIVE A MINIMUM OF 2" OF APPROVED TOPSOIL... 10. ALL PLANT BED AREAS ARE TO RECEIVE A MINIMUM OF 6" OF APPROVED TOPSOIL... 11. SOIL SHOULD BE TESTED AND AMENDED WITH LIME AND FERTILIZER FOR HARDWOOD TREES ACCORDING TO NCDOT PROCEDURES... 12. SHREDDED HARDWOOD MULCH 3" DEEP EXCEPT AT CROWN OF PLANT UNLESS OTHERWISE NOTED... 13. TOP OF ROOTBALL TO BE RAISED 2-3 INCHES ABOVE EXISTING GRADE... 14. FOR B&B PLANTS, NATURAL FIBER BURLAP SHOULD BE TURNED DOWN BY 1/3 TOTAL HEIGHT OF ROOT BALL... 15. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE TREE UPRIGHT AND PLUMB THROUGHOUT THE WARRANTY PERIOD... 16. USE STANDARD "GATOR" BAGS FOR WATERING TREES IN AREAS NOT UNDER IRRIGATION... 17. USE "BIO-BARRIER" OR EQUIVALENT ACCORDING TO MANUFACTURER'S RECOMMENDATION FOR TREES THAT WILL BE PLANTED WITHIN 10' OF PAVEMENT... 18. LANDSCAPING/C.O. STANDARDS NOTE: ALL LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF COMPLIANCE...

