

Construction Infrastructure Drawings (CID) Checklist

Town of Rolesville Planning Department | PO Box 250 | Rolesville, NC 27571 | 919-554-6517 | planning@rolesville.nc.gov

Disclaimer: This checklist does not cover all codified requirements but is intended to provide some guidance based on the best practices. Where applicable, requirements are referenced within the [Town of Rolesville Land Development Ordinance](#) and/or other State Ordinances. **For items marked “YES”, instead of a “Check”, please place the sheet number the requirement is shown.**

TO BE COMPLETED BY APPLICANT	YES	N/A
COVER SHEET		
1. Project name (shall not duplicate an existing name)	C0.00	
2. Project number and submittal type (will be given at first review; place CID-YR-XX as a placeholder)	C0.00	
3. Date (original submittal and space for at least 3 re-submittals located in a table) – ideal location is center of sheet	C0.00	
4. Location (Address if available, general description otherwise, and if within town limits or ETJ, county, and state)	C0.00	
5. Vicinity map with north arrow.	C0.00	
6. Sheet index numbered numerically (1,2,3...) – number of described sheets shall match number of sheets in plan set. User shall easily and rapidly be able to discern from Sheet Index what the sheet number is, then find it in plan set.	C0.00	
7. Overall development map (if part of larger project) with project area clearly identified as a sub-part of (larger project)	C0.00	
8. Site data table including: Property Identification Numbers (PIN) for all properties, Book of Maps/Deed reference, Zoning/Overlay District, Watershed, River Basin, Current Use(s), Proposed Use(s), Current Impervious, Proposed Impervious, Parking Data per use, Tree Coverage Data, Building Height, and Building Square Footage(s) and/or residential density and unit data per housing type	C0.00	
9. If located in the floodplain, provide correct Flood Insurance Rate Map (FIRM) panel number and date	C0.00	
10. Contact information for owner, applicant, and all consultants	C0.00	
11. Professional seal	C0.00	
12. Existing and Proposed Conditions related to the development (Special use permits, conditional zonings, etc.)	C0.00	
13. Application references of previous approvals/entitlements; if Rezoning, Special Use Permit, or Variance conditions etc., list them verbatim by reference in title text box.	C0.00	
EXISTING CONDITIONS AND/OR DEMOLITION PLAN SHEET(S) **RECENT SURVEY RECOMMENDED**		
1. Title of project / Dimensions / Scale / north arrow	C1.00- C1.07	
2. Professional seal	C1.00- C1.07	
3. Site size, metes and bounds of property boundary, Location Map (showing context of area of proposed change)	C1.00	
4. Property lines and Property Identification Number (PIN) of site and adjacent properties	C1.00- C1.07	
5. Owner information for the subdivision/parcels	C1.00	
6. Street names, Block and Lot numbering, Addresses all per the PSP.	C3.00- C3.07	
7. Adjacent property information – Owner Name, PIN, Plat/Deed ROD Ref., Jurisdiction, Zoning district	C1.00- C1.07	
8. Owner information for the parcel of the project location	C1.00- C1.07	
9. Existing / Adjacent streets (name / number of lanes / right-of-way width)	C1.00- C1.07	
10. Existing Land use (of site and adjacent properties)	C0.00	
12. Any existing features located within the right-of-way	C1.00- C1.07	

13. Building Setbacks per the PSP – LDO Section 3	C3.00- C3.07	
13. Existing building footprint(s) with square footage and number of stories	C1.00- C1.07	
14. Existing infrastructure: loading areas, parking, driveways, alleys, streets, sidewalks, dumpsters, lighting, septic tanks, drain fields, wells, hydrants (within 500 feet of site), water meters, culverts (other subsurface features), utility or other easements (type, size, and whether public or private), railroads, cemeteries, etc.	C1.00- C1.07	
15. Existing recorded open space or common areas (including easements)	C1.00- C1.07	
16. Topographic contours, contours shall extend 100' past property limits	C1.00- C1.07	
17. Water features (name and location), stream buffers, drainage ways, wetlands, and other environmental features	C1.00- C1.07	
18. Existing vegetation (with general description and location)	C1.00- C1.07	
19. Demolition proposed (on this sheet or separate if existing conditions under demolition are illegible)	C1.00- C1.07	
20. Dimensions, scale, and north arrow	C1.00- C1.07	

SITE LAYOUT SHEET(S)

1. Title of project / Dimensions / Scale / north arrow	C3.00- C3.07	
2. Base information to remain (clearly distinguish between existing and proposed conditions)	C3.00- C3.07	
3. Building Setback minimum dimensions per the zoning district – LDO Section 3	C3.00- C3.07	
4. Flood protection zones (if applicable)	C3.00- C3.07	
5. Building footprint(s) with square footage per floor and per use(s), height, number of stories, and entries	C3.00	
6. Distances between buildings, as applicable per zoning district – LDO Section 3	C3.00- C3.07	
7. Parking calculations (vehicle, handicapped, guests, and bicycle) – LDO Section 6.4	C0.00	

TO BE COMPLETED BY APPLICANT	YES	N/A
8. Driveways, stacking spaces, and parking areas (with number of spaces per bay, space size, and pavement type labeled) – LDO Section 6.4.4	C3.00- C3.07	
9. Handicap aisles, spaces, signage, and accessible routes to main entrance are labeled and dimensioned	C3.00- C3.07	
10. Bicycle parking location (with rack details) (LDO Section 6.4.7) -		N/A
11. Sight distance triangles – LDO Section 9.2 (10'x70' on all Collector roads and NCDOT required driveway permits)	C3.00- C3.07	
12. Sidewalks, walkways, and trails dimensioned, and material noted – LDO Section 9.2	C3.00- C3.07	
13. ADA ramps are shown; directional crossings shall be provided at intersections	C3.00- C3.07	
14. Loading, storage, and service areas (with required screening) – LDO Sections 6.2.4 and 6.4.5		N/A
15. Trash handling and recycling facilities (with required screening and details) – LDO Section 6.2.4		N/A
16. Show all fire lanes and access routes		N/A
17. Utilities (existing and proposed) (above ground utilities to be screened, with details) – LDO Section 6.2.4 & 6.8.8	C4.00- C4.07	
18. ROW and streets are labeled and dimensioned; Public vs. Private should be clearly defined – LDO Section 9.2	C3.00- C3.07	
19. Easements are labeled and dimensioned; Public vs. Private should be clearly defined – LDO Section 9.2.4	C3.00- C3.07	
20. Street centerlines should include bearing and distance information including curve radii (minimum centerline radii are defined by terrain classifications per NCDOT Subdivision Roads Minimum Construction Standards)	C3.01- C3.07	
21. Radii labeled for all intersections, or a typical label included	C3.01- C3.07	
22. Tree protection fencing location with details and standard notes – LDO Section 6.2.4 & 6.2.5		N/A
23. Stream buffers, drainage ways, wetlands, and wetland buffers with necessary setbacks – LDO Section 4.2.9	C3.00- C3.07	
24. Open space (dedicated or reserved) and any proposed improvements within them – LDO Section 6.2.1	C3.00- C3.07	

25. Greenways and Sidepaths per Greenway and Bicycle Plans.	C3.00- C3.07	
25. Landscape buffer locations and widths – LDO Section 6.2.2	C3.00- C3.07	
26. Location and Dimension of street tree planting strip – LDO Section 6.2.2.D	C3.08	
27. Location of any proposed monument or ground signs – LDO Section 6.1.2		N/A
28. If a multi-tenant complex, a Master Sign Plan shall be submitted as a separate document – LDO Section 6.1.2.J		N/A
29. Other site features unique to the proposed use	C3.00- C3.07	
30. ADA ramps are shown and design is meeting slope requirements for ADA compliance	C3.00- C3.07	
31. 4:1 asphalt taper is provided from existing ground to proposed back of curb (when applicable)		N/A
SIGNING AND STRIPING		
<i>The information below shall be included for signing and striping and shown either on the Site Plan or a separate sheet depending on available space for legibility:</i>		
1. Object markers (OM-3R) and Keep Right sign (R4-7) shall be placed at beginning of islands		N/A
2. Bike lanes should only be striped if wider than 5' and makes sense as a complete section (if applicable)		N/A
3. Crosswalk striping		N/A
4. Stop bars shall be included 4' behind the crosswalk striping	C11.00- C11.07	
5. All required signs (location and type clearly defined) – Stop, Yield, Speed Limit, Sharp Turn, etc.	C11.00- C11.07	
6. Additional pavement markings as required per design	C11.00- C11.07	
EROSION CONTROL PLAN SHEET(S)		
1. Scale and north arrow	C7.00- C7.15	
2. Limits of land disturbance	C7.00- C7.15	
3. Grading (contours at 2-foot intervals within 100 feet of developed area). Clearly distinguish between existing and proposed contours; Contours should be labeled regularly enough to follow drainage patterns.	C7.00- C7.15	
4. Impervious surfaces (label and provide calculations)	C7.00- C7.15	
5. Existing vegetation (types and locations) – LDO Section 6.2.4.5	C1.00- C1.07	
6. Retaining walls labeled with top and bottom of wall elevations (wall details required)	C6.00- C6.07	
7. Stormwater ponds, bioretention facilities, etc.	C9.01- C9.04	
8. Preliminary storm drainage features and proposed/recorded Easements	C5.00- C5.07	
9. Erosion control features defined by notes and/or a legend	C7.00- C7.15	
10. Tree protection fencing location (reference detail location if on separate sheet)	C7.00- C7.15	
11. Label critical root zones – LDO Section 6.2.4		N/A
12. Erosion Control design shall meet Wake County standards. Please reference the Wake County Sediment and Erosion Control Construction Checklist	C7.00- C7.15	
GRADING AND DRAINAGE PLAN SHEET(S)		
1. Scale and north arrow	C5.00- C6.07	
2. Grading (contours at 2-foot intervals); Clearly distinguish between existing and proposed contours; Contours should be labeled regularly enough to follow drainage patterns	C5.00- C6.07	
3. Proposed infrastructure including streets, sidewalks, greenways, retaining walls (labeled with top and bottom elevations), ponds, storm sewer, and utilities	C5.00- C6.07	
4. Utility or other easements (type, size, and whether public or private); 20' PDE shall be required around outfall from ROW	C5.00- C6.07	
5. Existing vegetation (types and locations) – LDO Section 6.2.4.5	C1.00- C1.07	
6. Drainage schedule (Minimum pipe size shall be 15"; minimum crossline pipe size shall be 18")		N/A

TO BE COMPLETED BY APPLICANT		YES	N/A
7. All drainage structures shall meet their minimum depth		C5.00- C5.07	

UTILITY PLAN SHEET(S)

1. All utilities (shown underground); Storm sewer should be clearly depicted separately from sewer and water – LDO Section 4.1.2	C4.00- C4.07	
2. Dimensions, scale, and north arrow	C4.00- C4.07	
3. Above-ground utilities and equipment (screened and with details) – LDO Section 6.2.4 and 9.2.6	C4.00- C4.07	
4. Tree protection fencing location (reference detail location if on separate sheet)	C7.00- C7.15	
5. Sewer and water design are to meet the City of Raleigh Public Utility standards	C4.00- C4.07	

LIGHTING PLAN SHEET(S)

A lighting plan is required per LDO Section 6.6.F. It shall be prepared, signed, and sealed by a licensed engineer. Residential subdivisions shall contact Duke Energy for the preparation of the lighting plan. It shall be of an engineered scale that is easily legible and include the following:		
1. Title of project	L1.00- L1.08	
2. Professional seal	L1.00- L1.08	
3. Dimensions, scale, and north arrow	L1.00- L1.08	
4. All proposed and existing buildings on the site	L1.00- L1.08	
5. Pedestrian and vehicular areas	L1.00- L1.08	
6. Other above-ground improvements	L1.00- L1.08	
7. The horizontal location of all proposed and existing outdoor lighting fixtures, including pole and wall-mounted fixtures	L1.00- L1.08	
8. Mounting heights of each fixture	L1.00- L1.08	
9. Overall height of each pole above grade	L1.00- L1.08	
10. Location of externally illuminated signs and associated fixtures	L1.00- L1.08	
11. The location of all architectural and landscape lighting fixtures	L1.00- L1.08	
12. Lighting plans shall be specified and calculated in maintained footcandles (FC). Measurements of light levels shall be taken at finished grade with an accurate and calibrated light meter – LDO 6.6.F.3	L1.00- L1.08	
13. The plan must include a footcandle plan that provides typical footcandle contours and a point photometric grid that indicates footcandle levels measured at grade across the site. Maximum, average, and minimum site foot-candles, uniformity ratio (average and minimum), and depreciation factors also are required. The plan must show initial horizontal illuminance values in foot-candles for the area to be illuminated. These values must be calculated at grade and include contributions from all onsite fixtures.	L1.00- L1.08	
14. The plan must plot foot-candles of illumination at ground level to the nearest tenth of a foot-candle, and at horizontal grid intervals of no more than ten feet.	L1.00- L1.08	
15. The plan shall show illumination level at the lot line (or perimeter of a development, if applicable) to ensure maximum illumination levels are not exceeded.	L1.00- L1.08	
16. The manufacturer's cut sheets (specifications) for each proposed fixture must be submitted.	L1.00- L1.08	
17. A lighting fixture schedule that presents the following information: Fixture type, including the manufacturer's product identification catalog number and fixture mounting height.	L1.00- L1.08	
18. Any other information required to ensure compliance with the lighting design standards in LDO Section 6.6	L1.00- L1.08	
19. Note: Residential lighting improvements (such as flood lights or landscape lighting) not subject site plan or subdivision plan , for single-family (detached and attached), two-family dwellings, or multiple family dwellings such as apartments or condos does not require a lighting plan.	L1.00- L1.08	

PLAN AND PROFILE SHEETS

The following shall be provided in the plan view:		
1. ROW and easement labels and dimensions	C8.01- C8.11	
2. Milled lap joints (if applicable)		N/A
3. Mill and overlay limits are clearly defined		N/A
4. EEOP, EOP and EOTL labels when applicable		N/A
5. Minimum separation requirements are met (horizontally)	C8.01- C8.11	
6. Horizontal curve data	C3.01- C3.07	

The following shall be provided in the profile view:		
1. Profiles for all new or modified open ended crosslines (include inverts, centerline and EOP elevations)	C8.01-C8.11	
2. Show existing and proposed roadway profile; clearly label each	C8.01-C8.11	
3. Proposed grades tie into existing; profiles tie into the proposed cross-slope at the flow line across roadway intersections	C8.01-C8.11	
4. Minimum bury depth requirements are met and labeled (24" minimum for storm sewer, City of Raleigh requirement for minimum of sewer and water)	C8.01-C8.11	
5. Minimum separation requirements are met (vertically) and labeled where applicable (City of Raleigh minimum separation requirements; concrete collar required where minimum cannot be met)	C8.01-C8.11	
6. Vertical curve data is clearly labeled (VC lengths shall be in 50' increments; The minimum K value and maximum street grades are defined by terrain classification per NCDOT Subdivision Roads Minimum Construction Standards)	C8.01-C8.11	
7. Site distance profiles (when applicable)		N/A
LANDSCAPE PLAN SHEET(S)		
Preservation plan (LDO 6.2.4.5.C.) – This can also be on the landscape plan sheet, but Staff would suggest this be its own plan sheet as it must include all the following:		
a. A tree and/or vegetative survey preferred to be prepared by a Certified Arborist (LDO Section 6.2.4.5B)		N/A
b. The plan must show there will be no disturbance within a critical root zone of trees, as defined in the LDO.		N/A
TO BE COMPLETED BY APPLICANT	YES	N/A
c. A critical root zone shall be protected from encroachment and damage. The preferred method is to restrict access by installing a barrier to keep materials, people, or equipment out of the critical root zone, as required in the preservation standards above.		N/A
d. Barriers shall be accompanied by temporary signs labeling the critical root zone.		N/A
e. The critical root zone area shall remain free of all building materials and debris.		N/A
f. The plan shall include a location plan and boundary line survey of the property.		N/A
g. The plan shall show the size, location, and species of trees.		N/A
h. The plans shall show areas where trees, vegetation, and soils are to be protected and preserved and areas where trees, vegetation, and soil are to be removed or modified.		N/A
i. The plan shall graphically identify each tree to be saved or removed.		N/A
j. The plan shall demonstrate compliance with all vegetation preservation standards of LDO Section 6.8.4.5C.	L1.00-L1.08	
Landscape plan shall be prepared by a licensed Landscape Architect . Refer to LDO Section 6.2.4.2 for a complete of the Landscape Plan review requirements. The plan shall include/show the following:		
1. Title of project	L1.00-L1.08	
2. Dimensions, scale, and north arrow	L1.00-L1.08	
3. Professional seal	L1.00-L1.08	
4. All required open space including the size of each area and which open space type - LDO 6.2	L1.00-L1.08	
5. Clearly denote any/all indigenous/native vegetation to remain	L1.00-L1.08	
6. Identify all required landscaping – LDO xxxx	L1.00-L1.08	
7. Vehicle Use Areas (VUA) including parking, aisles, and driveways		N/A
8. Vehicular pathways and access points		N/A
9. Plant spacing and native status	L1.00-L1.08	
10. Overhead and underground utilities and respective Easements inc. recording info (BM/Bk & Pg)		N/A
11. Tree coverage calculations and areas, with samples, if applicable to the changes proposed – LDO xx		N/A
12. Existing vegetation to remain (with critical root zones shown) – LDO Article 6.2.4.5		N/A
13. Tree protection fencing location (reference detail location if on separate sheet) – LDO xx		N/A
14. Proposed landscaping (meeting minimum size and species mixing requirements – LDO xx		N/A
15. Detailed Plant list (keyed to plan, showing what requirement each plant will fulfill, caliper size and height of plants, condition of root ball, common name and botanical name, # of each plant) – LDO xx	L1.00-L1.08	

16. Landscape buffers (labeled with slope, required width, required plantings, and required fencing, walls, or berms) - LDO Article 6.2.2	L1.00- L1.08	
17. Stream buffers – LDO xx	L1.00- L1.08	
18. Samples of existing vegetation in required buffers (with Critical Root Zones) – LDO Article 6.2.4.5	L1.00- L1.08	
19. Street trees (with calculations) per LDO Section 6.2.2.2	L1.00- L1.08	
20. Screening (with height, details, cross-sections, etc.) – LDO Article 6.8.8	L1.00- L1.08	
21. Lighting, water, sewer, storm drainage systems, and easements (half-toned) to check for conflicts	L1.00- L1.08	
22. Planting details (for trees, shrubs, and groundcover) – LDO xx	L1.00- L1.08	
23. Fences, walls and/or berms (with height and details) – LDO Article 6.5	L1.00- L1.08	

ARCHITECTURAL DRAWINGS

1. Compliance with Applicable Standards: Please refer to the specific standards that may apply to your project. Applicants are required to demonstrate compliance with the applicable standards as follows:		
a. Nonresidential building design standards – LDO Article 6.8.2		N/A
b. Single family design guidelines – LDO Article 6.8.5 (Note consent statement required on application and final plat)		N/A
c. Multifamily design standards – LDO Article 6.8.6		N/A
d. Industrial design standards – LDO Article 6.8.7		N/A
2. Drawings must be to scale and have a graphic scale		N/A
3. Building elevations with total building height and Finished Floor Elevations (FFE) labeled		N/A
4. All building materials must be labeled		N/A
5. Building façade width and width of materials on the façade shall be labeled		N/A

WAKE COUNTY FIRE ADDITIONAL REQUIREMENTS

<i>Note: This area applies to subdivisions only. The information below shall be included in addition to all information noted above.</i>		
1. Access roads shall be a minimum of 20 ft wide of an all-weather surface capable of withstanding-imposed loads of fire apparatus- unless the town LDO specifies different requirements.	C3.01- C3.07	
2. No vertical obstructions within 13 ft 6 inches of the road surface which includes – trees, brush, gates	C3.01- C3.07	
3. Any dead end which exceeds 150 ft in length shall have a 60 ft hammerhead turnaround provided. A temporary turnaround shall be used in phase construction where a dead end is temporary	C3.01- C3.07	
4. Cul-de-sac width shall be a minimum of 96 ft diameter or a radius of 48 ft. The Fire Chief can request or adjust this minimum according to responding apparatus requirements for emergency scene operations.		N/A
5. Turning radius and grade shall meet DOT specifications. Turning radius for traffic circles may be adjusted with approval if mountable curbs installed.	C3.01- C3.07	
6. Any entrance gate shall have a means for emergency vehicle access and shall not decrease roadway width to below required widths or height for emergency vehicles	C3.01- C3.07	

TO BE COMPLETED BY APPLICANT	YES	N/A
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NCDOT ADDITIONAL REQUIREMENTS

<i>The information below shall be included in addition to all the information noted above:</i>		
1. The project does NOT restrict any existing accesses for other properties		N/A
2. All shifting tapers are appropriate for the posted speed limit		N/A
3. Turn lanes are shown per STD 1205.05		N/A
4. 50' of full width deceleration is provided		N/A
5. Lane continuity has been assured		N/A
6. All work is shown within the ROW; All work outside of ROW has the appropriate easement shown (as either PROPOSED, or BM/Bk and Page if Recorded)		N/A
7. For NCDOT submittals, driveway radius should be 20' minimum and 50' maximum		N/A
8. If an existing guardrail is being modified, it is clearly labeled and defined (length/offset)		N/A
9. Guardrails provided where warranted and details are included, including length of need calculations, deflection area with no hazard or sidewalk, GRUE is MASH compliant per NCDOT standards; location of guardrail shall be behind sidewalk where applicable		N/A
10. Driveway Permit submitted; please include Permit # if submitted:		N/A

11. Interior Stem protection (100' minimum)	C3.01	
12. Driveway radius ties into tangent in front of the project's property	C3.01	
13. Driveway turn out grades meet NCDOT standards		N/A
14. Driveway is not in Functional Area of Intersection		N/A
15. Above ground utility appurtenances are placed as close to the ROW as possible		N/A
16. All storm drainage crosses 90 degrees to the roadway		N/A
17. All drainage structures are not under the pavement unnecessarily		N/A
18. Catch basins shall be provided at the end of the curb and gutter; 5' is provided after a catch basin, before the end of the curb		N/A
19. All hazards are outside of the clear recovery area or outside the proposed ROW Landscaping		N/A
20. Turn lanes are required if AADT is over 4,000 and at the NCDOT District Engineer's discretion		N/A
21. Turn lanes are required by the TIA; a copy of the TIA shall be provided		N/A
22. Plans shall be approved by the Division Roadside Engineer, 919-816-8290		N/A
23. Traffic Signal Plans shall be approved by the Division Traffic Engineer, 919-536-4000		N/A
24. Wedging detail is provided when applicable		N/A
25. All details for work with the ROW along DOT roadways are NCDOT details.		N/A
26. Drainage schedule		N/A
27. All drainage structures meet their minimum depth		N/A
28. HGL 10 year for all closed systems and 25/50 year for those in sags based on classification		N/A
29. Gutter spread calculated with I=4"/hr		N/A
30. Outlet velocity		N/A
31. Sizing for all new or modified open ended crosslines for 25/50 year based on classification		N/A
32. Provide profile for all new or modified open ended crosslines (include inverts, centerline and EOP elevations)		N/A
33. 10-year sizing for all roadside ditches with a reduced cross-section from the existing condition		N/A
34. All pre and post drainage areas for the project		N/A
35. Pre and post drainage calculation for all POIs (25, 50 and 100 year)		N/A
36. Provide bypass at all transition from crown to super and end of median islands (Max. 0.1CFS)		N/A
37. Provide proposed ROW		N/A
38. Provide lane widths (11' min, 15' max)		N/A
39. Provide paved shoulder width (match existing or min 1')		N/A
40. Provide grass shoulder width		N/A
41. Provide milled lap joints if applicable (min 18" wide and 1.5" deep)		N/A
42. Provide a wedging detail if applicable		N/A
43. Is there an overlay? (min 1.5")		N/A
44. Provide cross-slope for the widened section (2% typical in tangent sections)		N/A
45. Provide pavement schedule, typically 3" S9.5C; 4" I19.0C; 10" ABC or if <6' wide, 5"B25.0C		N/A
46. Proposed grade ties into existing grade		N/A
47. Provide existing ROW		N/A
48. Provide proposed ROW		N/A
49. Provide any easements outside of the ROW		N/A
50. Provide EEOP, EOP, EOTL		N/A
51. Provide cross-slope		N/A
52. Provide front and back slope grade		N/A
53. Provide utility depths		N/A
54. Is pavement structure being removed		N/A
55. Any other aspect of the cross-section (c&g, guardrail, sidewalk etc....)		N/A

TO BE COMPLETED BY APPLICANT	YES	N/A
56. Turn lanes are required if AADT is over 4000 and at the District Engineer's discretion		N/A
57. All turn lanes required by the TIA are provided		N/A
58. The project does NOT restrict any existing accesses for other properties		N/A
59. 10x70 sight triangles are shown at all intersections and driveways		N/A

60. NCDOT sight distances are provided		N/A
61. 4:1 asphalt taper from existing to proposed Back of Curb		N/A
62. All shifting tapers are appropriate for the posted speed limit		N/A
63. Turn lanes are shown as per STD 1205.05		N/A
64. 50' of full width deceleration is provided		N/A
65. Lane continuity has been assured		N/A
66. Object Markers (OM-3R) shall be placed at beginning of Islands (and R4-7 signs)		N/A
67. Minimum Curb Radii is 20' at driveways		N/A
68. ADA ramps are included. Crossing is directional across the driveway		N/A
69. Mid-block crossing is proposed		N/A
70. Bike Lanes should only be striped if wider than 5' and makes sense as a complete section		N/A
71. All work shown is in the ROW		N/A
72. All work shown outside the ROW has the appropriate easement		N/A
73. Minimum Crossline Pipe Size is 18". Minimum pipe size is 15"		N/A
74. Place 20' PDE around outfall from ROW		N/A
75. Storm drainage crosses 90 degrees to roadway		N/A
76. Storm drainage structures are not under the pavement unnecessarily		N/A
77. There are catch basins at the end of the curb and gutter		N/A
78. There must be 5' after a Catch Basin before the End of the Curb		N/A
79. Provide horizontal curve data		N/A
80. Provide mill and overlay limits		N/A
81. Provide existing roadway profile		N/A
82. Provide driveway profile for all driveways		N/A
83. Ensure crosswalks have a slope of 2% or less		N/A
84. Driveway profile ties into the proposed cross-slope at the flow line across the driveway		N/A
85. Provide vertical curve data		N/A
86. Proposed grade ties in with existing grade		N/A
87. Provide sight distance profile		N/A
88. Is existing guardrail being modified (length or offset)		N/A
89. Guardrail is warranted		N/A
90. Provide length of need calculations		N/A
91. Placed behind sidewalk		N/A
92. Deflection area is provided with no hazard or sidewalk		N/A
93. GREU is MASH compliant as per NCDOT standard		N/A
94. Driveway Permit Submitted, if yes provide permit # in comments		N/A
95. Interior Stem is protected (100' minimum)		N/A
96. Crosswalk is directional at 2%		N/A
97. Driveway radius ties into tangent in front of the project's property		N/A
98. Radius should be 20' min, 50' max		N/A
99. Driveway turn out grades meet NCDOT standards		N/A
100. Driveway is not in Functional Area of Intersection		N/A
101. ALL plan sheets are stamped and signed		N/A
102. All details for work within the ROW are NCDOT details		N/A
103. Landscaping plans shall be approved by the Division Roadside Engineer, 919-816-8290		N/A
104. Traffic signal plans shall be approved by the Division Traffic Engineer, 919-536-4000		N/A
105. Above ground utility appurtenances are placed as close to the ROW as possible		N/A
106. All hazards are outside of the clear recovery area or outside the proposed ROW		N/A
PRE-CONSTRUCTION / STAGING / CONSTRUCTION PARKING / ACCESS / DELIVERIES		
X xxxxxx		
x xxxxxx		
x xxxxxx		
x xxxxxx		

