January 2, 2024

Michael Elabarger Senior Planner, Town of Rolesville P.O. Box 250, 502 Southtown Circle Rolesville, NC 27571

### **RE:** Response to Comments for TLE Rolesville

Attached, please find the Applicant's written responses to comments from the Town of Rolesville, issued on November 6, 2023 for the above referenced project.

The responses are transmitted to you with the following information:

- One (1) Electronic Copy of the Plan set
- One (1) StormCAD Report
- One (1) Fee-in-Lieu Calculation for Old Rogers Road
- One (1) Grease Interceptor Correspondence

Please do not hesitate to contact me at (919) 653-2927 or <u>chris.bostic@kimley-horn.com</u> should you or your staff have any questions concerning our responses.

Sincerely,

Chris Bostic, PE Kimley-Horn and Associates

919 677-2000

### PLANNING/ZONING: PLANNING STAFF & WITHERSRAVENEL

#### **Cover Sheet**

1. Please add case number SDP-23-07 to the cover sheet.

Response: Case number added to all sheets as requested.

2. Within the Site Data Table, please provide the open space required and the open space provided. Per LDO Section 6.2.1.D.3, a minimum of 5% of open space is required. For a development of this size, at least one small open space type is required.

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, the playground is intended to meet the small open space requirement. Calculations have been provided on the Site Data Table, see **Sheet C0.0**.

3. An email was provided with the site plan submittal that discussed a potential setback / buffer reduction. Please update the site data table to clarify what the setbacks or required buffers will be with a reduction. Per LDO Section 3.2.1.C, the setbacks along Main St may be reduced up to 65% if all the following are provided:

a. Buildings and community gathering spaces define no less than two-thirds of street frontage;

- b. Vehicular surface areas are limited to no more than one-third of property frontage;
- c. A minimum 10-foot-wide sidewalk or multi-use trail is provided along Main Street.
- d. In addition to the foregoing, at least two of the following shall be provided:
  - i. Enhanced landscaping, visible from the public right-of-way, that exceeds LDO standards by at least 25%.
  - ii. A privately maintained community gathering space or green space, at least 1,200 square feet, that is publicly accessible.
  - iii. Art installations visible from the public right-of-way.

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, the project is proposing site features per LDO Section 3.2.1.C to reduce landscape buffer requirements along Main St, as shown on C2.0. These include:

- **a.** The building defining less than two-thirds of the street frontage; calculations shown on Sheet C2.1.
- **b.** Vehicular surface area defining less than one-third of property frontage; calculations shown on Sheet C2.1.
- **c.** 10' sidewalk along Main St and fee-in-lieu proposed in absence of proposed sidewalk on Old Rogers Rd, see Sheet C2.0.

- **d.** Enhanced landscaping exceeding LDO standards by 25%; calculations shown on Sheet L1.0. Additionally, an art installation will be provided on the playground fence and will be visible from the public right-of-way.
- 4. There is a required front setback of 20'. The applicant is providing 25'. A street buffer of 30' is required (see Note #22 of this letter). If setbacks are reduced in accordance with LDO Section 3.2.1.C. as mentioned in Comment #3, then the street buffer can also be reduced (as per interpretation from staff).

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, the proposed street buffer is shown with the intent to utilize the setback reductions per LDO Section 3.2.1.C. See Comment Response #3 above for more detail regarding setback reduction requirement compliance.

 Please indicate the required "corner setback" as noted in LDO Section 3.2.1. The corner setback is applicable to the side street, Old Rogers Road, so therefore the front setback would be located along Main Street.

Response: Required corner setback labeled, see Sheet C2.0.

### **General Notes**

6. General Note #13 is in conflict with the survey data indicated on the Existing Conditions Sheet. Please remove or update.

Response: General Note #13 revised to reflect correct survey information.

### Existing/Demolition Plan

7. Per the Legend provided, please label removed trees with an "X".

Response: Trees to be removed labeled as requested, see Sheet C1.0.

8. Due to the proximity of existing vegetation on the adjacent property, tree protection fencing should be installed at the drip line for the existing trees.

**Response:** Tree protection shown based on aerial and surveyed tree line, see Sheet C5.0.

### Site Plan

9. LDO Section 5.1.3.F, areas dedicated for drop off and pick up must be included for any site plan or permit request for a day care.

**Response:** Per the owner/operator, all vehicles must be parked and children will be escorted to the building entrance, so no drop off or pick up area is proposed.

10. LDO Section 5.1.3.F. states that outdoor play areas and playgrounds shall be fenced with a minimum 6-foot fence. Please revise the legend to reflect the two different fence types and their location.

**Response:** Legend revised to incorporate 6' white vinyl fence surrounding playground and 4' white PVC fence for all other areas, see Sheet C2.0.

11. As mentioned previously, Section 6.2.1.D.3 requires the provision of open space for nonresidential uses. One small open space is required. Open space types can be found in Table 6.2.1.2.

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, the playground is intended to meet the small open space requirement; see Sheet C2.0.

- 12. Per LDO Section 6.2.1.G.5-6, public seating and receptacles shall be provided in open space areas.
  - Public seating shall be appropriate to the intended use of the park area (i.e., benches may be appropriate for active spaces; Adirondack chairs and landscape terraces may be appropriate for passive spaces).
  - b. Refuse and recycling receptacles are required at each entrance and gathering space.

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, public seating and refuse and recycling receptacles area provided in area separate from the playground for safety purposes, see Sheet C2.0.

- 13. Per LDO Section 6.2.1.G.12, open space shall be a mix of active and passive open space. A minimum of fifty (50) percent of all required open space shall be dedicated and designed to allow for active recreation features. Active recreation and passive features are identified in Table 6.2.1.3.
  - a. Active recreation is defined as recreational features, often requiring equipment and taking place at prescribed places, sites or fields, which allow for the active recreational needs of residents or users of the development which they serve.
  - b. Passive recreation is defined as recreational features that do not require prepared facilities like sports fields or pavilions and require minimal disruption to a site. These include such activities as walking paths and other features defined in Table 6.2.1.3.

**Response:** The playground is intended to provide active open space for site users, see Sheet C2.0.

14. LDO Section 6.8.4.B.2, all non-residential development shall provide at least four (4) pedestrian amenities.

**Response:** The development proposes the playground as an active use area, a public art installment on the playground fence, a pedestrian area with benches, and decorative planters, see Sheet C2.0.

15. Wheel stops are required to prevent overhang onto sidewalks in LDO Section 6.4.4.A.4 and into landscaped areas per LDO Section 6.4.4.A.6.

#### **Response:** Wheel stops shown, see Sheet C2.0.

16. Plans should be revised to demonstrate compliance with the pedestrian amenities of LDO Section 6.8.4

**Response:** The development proposes the playground as an active use area, a pedestrian area with benches, and decorative planters, see Sheet C2.0.

17. Sidewalks shall be at least six (6) feet in width in accordance with LDO Section 6.8.4.B.4.

**Response:** Sidewalks revised and labeled to meet minimum 6' width requirement, see Sheet C2.0.

#### Landscape Plan

18. The Planting Schedule includes the symbol, botanical name, code, and quantity. However, the requirement for which each plant is being provided (e.g., VUA, 10' perimeter buffer, streetscape buffer, screening, etc.) should be included. This makes it easier for counting and installation.

**Response:** Landscape material locations have been noted in the Landscape Schedule as requested. Please see sheet L1.0 Landscape Plan for updated information.

19. Please show that every parking space is within 60' of the trunk of a canopy tree in accordance with Section 6.2.2.4.C

**Response:** 60' tree radii have been provided to depict parking lot coverage. Please see sheet L1.0 Landscape Plan for updated information.

 Per LDO Section 6.2.4.7.B, Plant lists must include at least 4 different tree species with no one species being greater than 35% of the palette. In this case, there needs to be an additional tree added to increase diversity.

**Response:** Tree species have been revised. Please see sheet L1.0 Landscape Plan for updated information.

21. Per LDO Section 6.2.2.1.F.3, a 6-foot wall is required with a Type 3 buffer.

**Response:** A wall have been provided with the Type 3 perimeter buffer. Please see sheet L1.0 Landscape Plan for updated information.

22. As mentioned in the highlighted comment, #3, there has been some discussion with Town staff on the provision of reduced or averaged setbacks / buffers. Street buffers are required in accordance with 6.2.2.2. A 30' street buffer is required along South Main Street and a tenfoot (10') buffer is required along Old Rogers Road. It appears there is only a 10' buffer provided along all frontages and the street trees are planted outside the buffer, in the street right-of-way. The applicant should indicate on the plans if there is an intention to take advantage of the reduced setbacks (and therefore buffer) or if this is permitted with an interpretation from staff.

**Response:** The indicated buffers have been revised and the reductions have been implemented as appropriate. Please see sheet L1.0 Landscape Plan for updated information.

 As per LDO Section 6.5.E.6.a, no fence or wall may encroach into a public right of way or inhibit motorist visibility or site triangle. Please show site triangle at the driveway onto Old Rogers Road.

**Response:** Site triangles shown at the driveway onto Old Rogers Road, see Sheet C2.0.

24. As per Section 6.5.E.9, landscaping shall be installed in the area between the street side of the fence and the right-of-way line. Landscaping is currently being shown inside the pay area along the frontage of Old Rogers Road.

**Response:** The fence line has been brought off of the property line to fit behind the proposed street buffer landscape material. Please see sheet L1.0 Landscape Plan for updated information.

#### **Lighting Plan**

25. In accordance with LDO Section 6.6.G.10, full cut-off lighting shall be provided in loading areas. The plans should be revised to provide cut-off/shield details and demonstrate compliance.

Response: Site lighting is full cut off.

26. Building façade and accent lighting will not be approved unless the light fixtures are carefully selected, located, aimed, and shielded so that light is directed only onto the building façade and spillover light is negligible.

Response: See Site Plan for location of building lighting and specification.

27. Lighting design shall be coordinated with the landscape plan to ensure that vegetation growth will not substantially impair the intended illumination.

**Response:** Lighting is shown and coordinated with landscaping.

#### **Architectural Drawings**

28. Per LDO Section 6.1.5.B.2, an awning should have a minimum 10-foot clearance from the surface below and a max height of 4 feet above the clearance.

**Response:** All awnings have been raised to clear 10 feet from the finish floor. Please see updated elevations.

#### **ENGINEERING: BRIAN LAUX/JACQUELINE THOMPSON**

Sheet C0.0 Cover Sheet

1. Please update the Project Number now that one has been provided to SDP23-07.

**Response:** Project number added to all sheets as requested.

2. Please provide a storm calculation package that includes drainage areas, erosion control calculations, culvert calculations for 25-year storm event, drainage area maps, and all other associated calculations required to review this submittal.

**Response:** Storm calculations provided, see Stormwater Report.

#### Sheet C1.0 Existing Conditions

3. Please Show the ROW for Brown circle on this plan set Typ.

**Response:** ROW for Brown Circle shown, see Sheet C1.0.

4. Please verify and label the existing waterline size inside Old Rogers Road ROW.

Response: Existing waterline labeled, see Sheet C1.0.

5. Is there an existing culvert underneath the gravel drive presently at the entrance off Old Roger's Road? If so, please add it to the demolition sheet.

**Response:** There is not an existing culvert underneath the existing gravel drive.

6. Please verify and label the existing waterline size inside South Main Street ROW.

**Response:** Existing waterline labeled, see Sheet C1.0.

7. Please verify and label any stand-alone trees onsite that will need to be demolished as a part of this construction project.

**Response:** Trees to be demolished labeled, see Sheet C1.0.

- 8. Verify a potential sewer service located in this area for the adjacent sonic parcel and any easements that would be associated with this service.
  - a. Please use NCDOT ped ramp details and types for reference.

**Response:** Existing force main shown per plans for neighboring Sonic project, provided by Michael Elabarger on 11/15/22, see Sheet C1.0. No easement has been recorded for the force main shown. Pedestrian ramp revised per ADA requirements, see Sheet C2.0.

 Please verify and update the existing vegetation/tree lines shown on the existing conditions sheet and update them as needed.

**Response:** Existing vegetation/tree lines verified per survey and aerial imagery.

10. IMAPS shows that there is currently a septic tank permitted on site. Provide documentation that septic tank and leach field have been remediated/abandoned or let us know how you are planning to manage the on-site septic system. Please add location to the existing condition

# Kimley *Whorn*

sheet.

Response: Noted. We are evaluating the presence of a septic tank on site.

Sheet C2.0 Site Plan:

11. Provide site distance triangles at Old Rogers Road intersection.

Response: Sight distance triangles shown at Old Rogers Rd intersection, see Sheet C2.0.

12. Please provide NCDOT standard radii of 30 feet at ROW connection.

Response: Radii revised to 30 feet at ROW connection, see Sheet C2.0.

13. Please provide a stop bar and stop sign as required at site intersections.

Response: Stop bars and stop signs added at site intersections, see Sheet C2.0.

14. Site details include Curb stops but not bollards. Please revise details or plans accordingly.

**Response:** Curb stops added to each parking stall, see Sheet C2.0.

15. Landing at ADA ramp must be ADA compliant with clear space and access requirements.

**Response:** Landing at ADA ramp increased to 3' length to meet ADA compliance, see Sheet C2.0.

16. The bollard is located at the gate entrance. Please revise and update location as required.

**Response:** Bollard at gate entrance removed, see Sheet C2.0.

17. Please dimension ADA compliant spaces and reference the detail associated with them.

**Response:** ADA parking stall dimensions and reference to "Pavement Striping" Detail on Sheet C8.0 added as requested, see Sheet C2.0.

18. Dumpster area requires heavy duty concrete. Please update to match your legend for heavy duty concrete and provide a detail for the enclosure.

**Response:** Heavy duty concrete shown for dumpster pad, see Sheet C2.0. Dumpster enclosure details added, see Sheet C8.0.

19. Please label a typical radius for the site.

**Response:** Typical 3' radius labeled, see Sheet C2.0.

20. Provide a shared access easement between the two parcels.

**Response:** Cross access between all three lots of the subdivision recorded in DB 15441 PG 01221.

21. Please correct the typo in note 9 for Wake County Construction Sequence.

**Response:** Typo corrected, see Sheet C5.1.

22. Please provide the drive aisle centerline with B&D for circulation through the site.

**Response:** Drive aisle centerline shown with bearings & distances labeled, see Sheet C2.0.

23. Please Show Monument/sign easement for proposed sign locations.

Response: Monument/sign easement shown at proposed sign locations, see Sheet C2.0.

24. Town Planner and Town Engineer to discuss lack/required improvement for Old Rogers Road along frontage of property. (curb/storm/sidewalk) Accessible route dead ends and forces crossing South Main Street.

**Response:** Per discussion with staff at the TRC Meeting on 11/09/23, additional site improvements will not be required along Old Rogers Rd; instead, a fee-in-lieu is proposed. See Engineers' Opinion of Probable Cost, included with this submittal.

25. Many of the items represented in the legend are not represented in the site plan in the same capacity. Please update for clarity.

Response: Legend revised to match plan as shown.

- 26. Service Route accessibilities:
  - a. Please define fire truck route for site protection
  - b. FDC required within maximum allowable distance from hydrant.
  - c. Sanitation service route for dumpster, Does the Min. radius allow access. Provide a truck exhibit when using radii of 20 feet or less.
  - d. Label Radii when they are not typical.

**Response:** Fire truck and sanitation service routes shown, see Sheets C2.1-C2.2 Truck Routing Exhibits. FDC shown within maximum allowable distance from hydrant, see Sheet C4.0. Site radii labeled, see Sheet C2.0.

### Sheet C3.0 Grading Plan

27. The existing ditch along Old Rogers Road has drainage concerns after reviewing existing contours. This will need to be revised with the construction of your project.

**Response:** Existing ditch to be regraded to allow positive drainage to the proposed 15" culvert at the site intersection with Old Rogers Rd, see Sheet C3.0.

28. The proposed culvert at entrance appears to only have one foot of cover on the pipe at the back of curb. Given this pipe will need to be 18" Minimum per NCDOT and will not work with proposed grade. Please label culvert size, material, and inverts associated with it.

Response: Culvert information included as requested, see Sheet C3.0.

29. Please Provide Rip Rap dissipator pads at outfall pipes.

**Response:** Rip rap dissipator pads shown at all outfall pipes, see Sheet C3.0.

30. The culvert downstream of your pond and any other downstream culverts may need to be upsized due to increased flows. Please provide needed calculations in these areas.

Response: Culvert calculations shown, see Stormwater Report.

31. Please grade in the proposed pond and show it tying into existing grade.

Response: Proposed pond grading shown, see Sheet C3.0.

32. Please clarify if this proposed storm is going through or under the proposed retaining wall.

**Response:** Proposed storm pipe will run through the proposed retaining wall.

33. The area I have highlighted appears to be draining off your site. Please revise your drainage to capture and treat this drainage area.

Response: Trench drain added to capture the area shown, see Sheet C3.0.

- Please grade ADA space to design standards and provide spot grades for compliance review.
  Response: Spot elevations shown within ADA parking area, see Sheet C3.0.
- 35. Provide top of wall and bottom of wall elevations for all retaining walls proposed on site.

**Response:** Top and bottom of grade spot elevations for the retaining walls shown, see Sheet C3.0.

36. Storm tying into NDOT drainage system will need to be reviewed by NCDOT ADN Hydraulic Division for flow rate being added into their existing system.

Response: Noted.

37. Please freeze off the storm from adjacent parcel shown on this plan sheet.

**Response:** Storm from adjacent parcel no longer shown.

 Please provide an access and maintenance easement connecting to the ROW for the proposed SCM.

**Response:** SCM access and maintenance easement shown, see Sheet C3.0.

39. Town of Rolesville will require the roof to be collect and treated by the onsite pond. Please show how the roof drains will be collected and routed to the pond on your grading plan.

**Response:** Roof drainage connections to storm drainage system and pond shown, see Sheet C3.0.

40. Many of the items represented in the legend are not represented in the site plan in the same capacity. Please update for clarity.

**Response:** Legend revised to match plan as shown.

41. Storm drainage pipe invert and structures to be I.D. in plan view. Adding a storm chart is an option.

Response: Storm drainage information included as requested, see Sheet C3.0.

42. Please submit a storm calculations package to review for complete review comments to be done.

Response: Storm calculations included in Stormwater Report.

Sheet C4.0 Utility Plan:

43. Please freeze off the storm from adjacent parcel shown on this plan sheet.

**Response:** Storm from adjacent parcel no longer shown.

- 44. Service Route accessibilities:
  - a. Please define fire truck route for site protection
  - b. FDC required within maximum allowable distance from hydrant.
  - c. Sanitation service route for dumpster, Does the Min. radius allow access. Provide a truck exhibit when using radii of 20 feet or less.
  - d. Label Radii when they are not typical.

**Response:** Fire truck and sanitation service routes shown, see Sheets C2.1-C2.2 Truck Routing Exhibits. FDC shown within maximum allowable distance from hydrant, see Sheet C4.0. Site radii labeled, see Sheet C2.0.

45. COR to comment on FDC for Building.

**Response:** FDC added, see Sheet C4.0.

46. Please verify existing utilities entering the site from Old Rogers Road ROW and how they exit the site.

**Response:** Existing utilities entering site from Old Rogers Road ROW shown, see Sheet C4.0.

47. Please label all meters to include size and type of meter.

**Response:** Water meter labels updated as requested, see Sheet C4.0.

48. Verify and add waterline size for all water lines surrounding the site.

**Response:** Existing waterline sizes shown, see Sheet C4.0.

49. Please change gate valve connection to tapping sleeve & valve connection for connection to South Main Street water line.

Response: Tapping sleeve & valve connection shown and labeled, see Sheet C4.0.

50. Please identify the section of road that will need to be cut and repaired to install connection to water line.

**Response:** Road sawcut and repair for waterline installation shown, see Sheet C1.0.

51. Septic to be tied into and existing force main will need to be approved by the COR.

Response: Noted.

52. ADD LAPP PROJECT Proposed overlay. Contact TOR for PDF's

**Response:** LAPP Project improvements are only associated with striping and will not affect this project.

53. Revise double label for the building setback.

**Response:** Label revised as requested.

Sheet C5.0 Erosion Control Plan Phase 1:

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54. Sediment is not being managed with a Temporary Basin in phase 1. Suggest adding diversion ditch and basin to phase one for erosion control.

**Response:** Temporary Basin will be proposed.

55. There is a low point at the cross-access point labeled. How will any erosion getting to this point be managed and not allowed to flow off site.

Response: Temporary basin will be proposed.

56. Remove Gravel Drive label as there is no Gravel Drive shown on this site.

**Response:** Gravel drive shown, see Sheet C5.0.

57. Construction Entrance is shown on top of existing pavement of adjacent parcel. Please Revise.

**Response:** Construction entrance shifted from existing pavement, see Sheet C5.0.

58. Please freeze off the storm from adjacent parcel shown on this plan sheet.

421 Fayetteville Street, Suite 600, Raleigh, NC 27601

**Response:** Storm from adjacent parcel no longer shown.

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59. All clearing is shown in Phase 2 and will need to be done then when the basin is installed. No erosion control basin is shown on this phase. Please revise the construction sequence to match plans.

Response: Sequence will be revised.

Sheet C5.1 Erosion Control Plan Phase 2:

60. Please provide Sediment inlet protection on all neighboring structures and pipes that sediment could reach from site work.

**Response:** Inlet protection provided on the structure neighboring site and in ROW, see Sheet C5.1.

61. Will the pond be acting as a temporary erosion control basin. Please provide the supporting Calculations to support this.

**Response:** The pond will be acting as a temporary erosion control basin.

Sheet C8.0 Site Details:

62. Wheel stops are shown in the details, but bollards are shown in the plan. Please revise either plans or details accordingly.

**Response:** Wheel stops and bollards added to the plans and detail sheets, see Sheets C2.0 and C8.0.

Sheet C8.1 Site Details:

63. Verify Curb and Gutter details versus NCDOT standards.

**Response:** No curb and gutter is proposed in NCDOT right-of-way.

64. Verify that the town allows painted striping.

**Response:** The project is proposing painted striping.

Sheet C8.0 Sanitary Sewer Details:

65. Please use the COR standard details when available for Sanitary Sewer and Waterlines.

Response: COR standard details used, see Sheet C10.0.

#### Sheet L1.0 Landscape Plan:

66. Please verify proposed trees will not be in proposed ditch line.

**Response:** Proposed trees are outside of proposed ditch line.

67. Please verify and update the existing vegetation/tree lines shown and update them as needed.

#### **Response:**

#### WAKE COUNTY WATERSHED MANAGEMENT: JANET BOYER

No comments were received - contact Wake County directly. Will be included in next review.

Response: Noted.

#### COR PUBLIC UTILITIES: TIM BEASLEY

1. Please reach out to FOG@raleighnc.gov to determine if a grease interceptor is required. If required, please show on the utility plan.

**Response:** Grease interceptor not required per Raleigh Water Fats, Oil, and Greases, see included correspondence.

2. If you need a public FH, this must be a separate tap. If the private FH is off of the private fire line, the private FH must be behind the RPDA.

Response: Public fire hydrant with separate tap shown, see Sheet C4.0.

3. Please add relevant callouts 12x6 TS&V, domestic/irrigation stub and meter sizes.

**Response:** Labels added as requested, see Sheet C4.0.

4. Please call out size and type of BFPs.

**Response:** Labels added as requested, see Sheet C4.0.

## WAKE COUNTY FIRE / EMS: BRITTANY HOCUTT

1. (10/11/23) TREES/PLANTS SHALL NOT BE WITHIN 3 FT OF ANY FIRE HYDRANT OR ANY FIRE DEPARTMENT CONNECTION. REVISE PLANT LANDSCAPE PLAN. ALSO, BUFFER SHALL NOT BLOCK ACCESS TO THE FIRE HYDRANT.

**Response:** Trees and plants adjusted per minimum 3 foot distance from proposed fire hydrant or fire department connection. Landscape buffer revised to allow access to fire hydrant, see Sheet L1.0.

### NCDOT: JACOB NICHOLSON

1. A driveway permit is required for the proposed access points.

**Response:** Driveway permit application in progress.

2. Revise driveway off of Old Rogers Rd to have at least 100' of IPS (internal protected stem)

**Response:** Per discussion with NCDOT, the parking layout was be adjusted and a parking stall adjacent to the driveway off of Old Rogers Rd was removed to increase internal protected stem and meet NCDOT requirements. See Sheet C2.0.

### PARKS & RECREATION: EDDIE HENDERSON

1. No comments.

Response: Noted.