CONSTRUCTION NOTES

1. BLACK LINES ARE EXISTING OR PROPOSED COVERED WITH PAVING
2. BLUE LINES ARE NEW ADDITIONS
3. GREEN LINES ARE PROPOSED SHOWING CONDITIONS EXISTING

TIE TO EXISTING DRIVEWAY
SS-3

A. CB-9
B. CB-1
C. CB-3
D. CB-5
E. CB-6

10' DR

3/23/2017

MULTI-USE PATH AND
DRAINAGE PLANS

MIDDLE SOUND GREENWAY

Kimley-Horn

PHONE: (919) 677-2000
421 FAYETTEVILLE ST., SUITE 600
Raleigh, NC 27601
GENERAL NOTES

STATEMENT OF CONSTRUCTION

All construction shall be performed in accordance with the plans and specifications. The contractor shall prepare and submit, within sixty (60) days after the date of award, a construction schedule for the work. The schedule shall be prepared in accordance with NCDOT and New Hanover County requirements.

CONTRACTOR

The contractor shall comply with all applicable laws, codes, and regulations, including but not limited to the following:

1. The contractor shall be responsible for all costs associated with the construction of the project, including labor, materials, equipment, and overhead costs.
2. The contractor shall be responsible for obtaining all necessary permits and approvals required by local, state, and federal agencies.
3. The contractor shall be responsible for maintaining all project sites in a safe and workable condition for the duration of the project.

TRAFFIC CONTROL

Traffic control and signs shall be installed in accordance with the MUTCD and NCDOT specifications. The contractor shall ensure that all traffic control devices are installed and maintained in accordance with approved plans and specifications.

WATER MAINS

All water mains shall be located and identified by the contractor prior to construction. The contractor shall also perform necessary utility line relocation and provide necessary pipe collars and flagging devices.

EARTH SHOULDER CONSTRUCTION

The contractor shall perform earth shoulder construction in accordance with approved plans and specifications. The contractor shall also provide necessary pipe collars and flagging devices.

GENERAL NOTES

ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE REMOVED COMPLETELY, INCLUDING ALL SUBGRADE MATERIALS DIRECTLY ASSOCIATED WITH ITEMS TO BE REMOVED.

TOPOGRAPHIC INFORMATION

The topographic information shown was prepared by Stewart, Inc.

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**PAVEMENT SCHEDULE**

- **C1** - Paved Approach w/ Asphalt Concrete, 90% AC Comp./Type SF-211;
  - At an average rate of 834 LBS/Per SQ. YD.

- **C2** - Paved Approach w/ Asphalt Concrete Surface Course, Type SF-911;
  - At an average rate of 834 LBS/Per SQ. YD.

- **E1** - Paved Approach w/ Asphalt Concrete Base Course, Type SF-211;
  - At an average rate of 834 LBS/Per SQ. YD.

- **E2** - Paved Approach w/ Asphalt Concrete Base Course, Type SF-911;
  - At an average rate of 834 LBS/Per SQ. YD.

- **J1** - Proposed 4 " Base Course

- **F1** - Proposed 2" Concrete Curb & Gutter

- **S1** - Proposed 4" Concrete Sidewalk

- **F** - Proposed Compacted Earth Material

- **U** - Existing Pavement

**NOTES:**

1. See plans for specific Multi-use Path locations.
2. Pavement edge slopes are 1:1 unless otherwise noted.
3. See plans sheets for Multi-use Path super-elevation transitions; 5% max super-elevation.

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**DETAIL 1**

**SPECIAL LATERAL "D" DITCH**

<table>
<thead>
<tr>
<th>Natural Ground</th>
<th>Fill Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. D = 1 Ft</td>
<td></td>
</tr>
</tbody>
</table>

**FROM STA. 11+90 TO STA. 16+32 -G1- (RT)**

**FROM STA. 16+72 TO STA. 17+50 -G1- (RT)**

**FROM STA. 18-34 TO STA. 18+90 -G1- (LT)**

**FROM STA. 10+90 TO STA. 14+66 -L- (RT)**

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**DETAIL 2**

**SPECIAL LATERAL BASE DITCH**

<table>
<thead>
<tr>
<th>6&quot; x 12&quot; Concrete Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Ground</td>
</tr>
<tr>
<td>Fill Slope</td>
</tr>
</tbody>
</table>

**FROM STA. 25+55 TO STA. 26+50 -G2- (RT)**

**FROM STA. 26+55 TO STA. 26+50 -G2- (RT)**

**FROM STA. 29+20 TO STA. 29+40 -G2- (RT)**

**FROM STA. 30+00 TO STA. 30+23 -G2- (RT)**

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**DETAIL 3**

**INLET CHANNEL**

| Natural Ground |
| Fill Slope |

**FROM STA. 10+65 TO STA. 10+65**

**FROM STA. 13+80 TO STA. 13+80**

**Type of Liners: Clay B Rip Raps (Barrels Only)**

**STA. 11+98 -G3- (LT)**

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**DETAIL 4**

**OUTLET CHANNEL**

| Natural Ground |
| Filter Fabric |

**FROM STA. 11+98 TO STA. 11+98**

**Type of Liners: Clay B Rip Raps (Barrels Only)**

**STA. 11+98 -G3- (RT)**

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**JOB NUMBER:**

**MIDDLE SOUND LOOP ROAD**

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**CONSTRUCTION DETAILS**

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**DOCUMENT NOT CONSIDERED FINAL**

**UNLESS ALL SIGNATURES COMPLETED**

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**3/23/2017**
NOTES:

1. TRUNCATED DOMES WITH NO CURB WILL BE PAID FOR AT THE CONTRACT UNIT PRICE
2. TRUNCATED DOMES ARE TO BE RED UNLESS OTHERWISE SPECIFIED BY COUNTY.
3. ALL REQUIREMENTS OF NCDOT STANDARD DRAWINGS #848.05 & 848.06 (CURB RAMPS) APPLY.
4. BOLLARDS SHALL BE YELLOW WITH AMBER REFLECTIVE TAPE.
5. 1-FOOT CUTBACKS OF ASPHALT SHALL BE PREPARED ON UNDISTURBED SOIL AFTER BACKFILL.
6. SOIL SHALL BE COMPACTED BY A MECHANIZED TAMPER (I.E. JUMPING JACK), HOWEVER, SOIL SHALL BE COMPACTED 12" MINIMUM LIFTS AND COMPACTION OF TRENCH.
7. MATERIALS SHALL BE SELECTED TO MEET THE REQUIREMENTS OF THE NCDOT DESIGN MANUAL.
8. GEOTEXTILE FOR SOIL STABILIZATION
9. MATERIALS REQUIREMENTS ARE TO MEET THE REQUIREMENTS OF THE NCDOT DESIGN MANUAL.
10. BOLLARD POSTS AT INTERSECTIONS TO BE REFLECTORIZED.
11. BOLLARD BASES TO BE MOUNTED ON A CONCRETE PLATE.
12. BOLLARDS SHALL BE INSTALLED PARALLEL WITH THE GREENWAY EDGE OF PAVEMENT SHALL BE MAINTAINED.
13. BOLLARD SHALL BE DP 200 FLEXIBLE CHANNELIZER CITY POST.
14. CONCRETE FOOTING/PIER
15. pipe beddings and materials shall be compacted 12" MINIMUM LIFTS AND COMPACTION OF TRENCH.
16. BASEMENT TO BE USED WITH SPACING AS NOTED ON PLANS. A MINIMUM 2' CLEAR DISTANCE FROM BOLLARD TO THE SPECIFIED SIZE OF PIPE LINES SHALL BE MAINTAINED.
TRAFFIC CONTROL

GENERAL NOTES

Do not close any roadway lanes or any portion of the roadway within the project limits from Monday through Friday from 9 AM to 6 PM or on weekends from 9 AM to 7 PM.

Do not stop traffic for more than 15 minutes within the project limits.

Land and shoulder closure requirements:
- Reduce lane closures for any lane when the road is not being performed beyond the lane closure or when a lane closure is not necessary, as directed by the engineer.
- Install pavement, guardrail, and other work within the project limits after the roadway is opened to the public. Avoid setting up work in such a way that work is protected by barriers or guardrails.
- Do not work simultaneously or on both sides of an open travel lane, within the same location, on a lane, or the same route.

Pavement work requirements:
- Install advance work zone warning signs when work is within 100 ft from the edge of travel lane.
- Do not work simultaneously or on both sides of an open travelway, within the same location, on a lane, or the same route.
- Install advance work zone warning signs when work is within 100 ft from the edge of travel lane.
- Install advance work zone warning signs when work is within 100 ft from the edge of travel lane.

Traffic control devices:
- Use temporary traffic control devices as shown in the project plans, or as directed.
- Install temporary traffic control devices as shown in the project plans, or as directed.

Pavement work requirements:
- Install pavement markers and markers at the end of the work zone.
- Install markers as shown in the project plans, or as directed.
- Place additional markers when necessary, as directed by the engineer.

Traffic control procedures:
- Use temporary traffic control devices as shown in the project plans, or as directed.
- Install temporary traffic control devices as shown in the project plans, or as directed.

Safety and accessibility:
- Temporary traffic control devices must be maintained at all times to accommodate project limits, including, but not limited to, the following:
- Place temporary traffic control devices as shown in the project plans, or as directed.
- Maintain a minimum vehicle clearance of at least 10 ft on all roadways that are open to the public.