STONE ARBOR
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

CONSTRUCTION DRAWINGS
PROJECT NUMBER: STL-19000
DATE: JULY 12, 2019

ZONING CONDITIONS

1. All structures will be in compliance with the applicable zoning ordinance plan.
2. All structures will be in compliance with Community Design Standards.
3. All structures will be in compliance with the minimum building code standards.
4. All structures will be in compliance with the maximum building code standards.
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10. All structures will be in compliance with the maximum building code standards.
UNDER NO CIRCUMSTANCES SHALL WATER BE ALLOWED TO RISE IN UNBACKFILLED TRENCHES AFTER PIPE HAS BEEN PLACED.

"KNOCK-OUT" BOXES OR HDPE PIPE SHALL NOT BE ALLOWED WITHIN PUBLIC RIGHT-OF-WAYS UNLESS APPROVED IN WRITING BY OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

ALL CONCRETE PIPE AND PRECAST STORM STRUCTURES SHALL MEET NCDOT STANDARDS BY MANUFACTURER.

ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

WITHIN THE AREA DEFINED SIGHT TRIANGLES SHOWN ON THESE PLANS, THERE SHALL BE NO SIGHT OBSTRUCTING OR PARTLY ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.

TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

THE CONTRACTOR SHALL CONTACT, IN WRITING, ANY Utility Owner or Agency that has been notified of the Utility location to determine if the Owner or Agency has a current Standard Utility Note or other plan documents that apply to the construction of the project.

THE CONTRACTOR SHALL NOTIFY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO Issuance OF A BUILDING PERMIT. CONTACT STEPHEN CALVERLEY AT (919) 733-3740 FOR MORE INFORMATION.

ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.

THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.

ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & STANDARDS UTILITY NOTES (AS APPLICABLE).

THE CONTRACTOR SHALL INSTALL 4" PVC* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED PROVIDE ADEQUATE FLOW & PRESSURE.

IMMEDIATELY.

MAINTAINED BY THE PROPERTY OWNER.

DEPARTMENT FOR DETAILS AND SPECIFICATIONS FOR MEETING THESE REQUIREMENTS.

SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT

BE REUSE MAINS.

THE TOP AND BOTTOM OF WALL ELEVATIONS SHOWN ON THESE PLANS IDENTIFY FINISHED GRADE ELEVATIONS ONLY. THE

TOP-OF-WATER-MAIN LOCATION SHOWN ON THESE PLANS SHALL BE ONLY APPROXIMATE FOR TOWARDS HILLS OR VALLEYS.

DEPARTMENT SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND

THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811".
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
phone 919. 361. 5000
fax 919. 361. 2269
license number: C-0293
www.mcadamsco.com

STARLIGHT HOMES NORTH CAROLINA L.L.C.
5711 SIX FORKS ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
PHONE: 919. 422. 7663

STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS, WHERE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES
The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
Phone 919. 361. 5000
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STN 001

SHEET

DRAINAGE PLAN - EAST

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS WHERE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.
STORMWATER CONTROL
MEASURE "B"
(SEE "C9" SHEETS)

EXISTING
CEMETERY

STORMWATER CONTROL
MEASURE "A"
(SEE "C9" SHEETS)

ALLEY "5"
(20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.05

ALLEY "1"
(20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.02

ALLEY "2"
(20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.03

ALLEY "2"
(20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.03

OPEN SPACE/
FLOODPLAIN
49,648 SF

EXISTING LIFT
STATION

STREET "B"
(54' PUBLIC R/W)
SEE SHEET C5.01

STREET "B"
(54' PUBLIC R/W)
SEE SHEET C5.01

DRAINAGE PLAN - WEST
GRADING AND STORM
EXISTING
WENDELL FALLS PARKWAY
SR 1007
(VARIABLE WIDTH PUBLIC R/W)

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND MCDONNELL, DOUGLAS, HURST, GORDON AND SCOTT, INC. STANDARDS, SPECIFICATIONS AND DETAILS, WHERE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.
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Durham, NC 27713
phone 919.361.5000
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www.mcadamsco.com

STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

PLAN INFORMATION
PROJECT NO. STL-19000
PLANNER
STL001
DRAWN BY
11/12
CHECKED BY
12/12
DATE
07.12.2019

PLAN AND PROFILE
STREET "A", STA. 9+50 THRU STA. 20+50
FILENAME
STL19000-P1

STREET "A" (VARIABLE WIDTH PUBLIC R/W)
SR 1007 (VARIABLE WIDTH PUBLIC R/W)

SEE SHEET C5.01
ALLEY "1" (20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.02
ALLEY "2" (20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.03
ALLEY "3" (20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.04
ALLEY "4" (20' PUBLIC ACCESS EASEMENT)
SEE SHEET C5.04

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST EDITION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS, WHERE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.
Please note concerning the water main in Alley 1. Also, please be sure to colour the proposed CORRIS on this sheet.

All construction shall conform with the latest version of the Town of Wendell, City of Raleigh, Wake County, and NCDOT standards, specifications, and details, where applicable.
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WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS, WHERE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES.

THE JOHN R. McADAMS COMPANY, INC. (502311) 2019-07-12 11:07:21 AM

SCALE

1 " = 40' / 4' = 1 "

DATE
07.12.2019

PLAN AND PROFILE

CLIENT

REVISIONS

FILENAME

CHECKED BY

DRAWN BY

STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

PLAN INFORMATION

PROJECT NO.

PLANNING

STIMULATION

ISSUANCE

DATE

PLAN AND PROFILE

ALLEY "2" STA. 9+50 THRU STA. 17+50

ALLEY "2" (60' PUBLIC R/W)

SEE SHEET C5.00

ALLEY "1" (20' PUBLIC ACCESS EASEMENT)

SEE SHEET C5.02

ALLEY "2" (20' PUBLIC ACCESS EASEMENT)

ALLEY "2" (20' PUBLIC ACCESS EASEMENT)

SCALING SCALE
ALLEY "5", STA. 10+00 THRU STA. 18+00

STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

ALL CONSTRUCTION SHALL CONFORM TO THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS, AND CODES, WAVE APPLICABLE.

SEE SHEET C0.00 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES
EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES MAY BE DAMAGED OR DISMANTLED DURING THE COURSE OF CONSTRUCTION AND SUBSEQUENT TILLING AND FARMING OPERATIONS. THE CONTRACTOR IS TO MAINTAIN ALL EROSION CONTROL DEVICES IN A MANNER THAT MINIMIZES DAMAGE AND DISRUPTION TO THE SITE.

2. ALL MATERIALS STORED ON THE SITE ARE TO BE COVERED AND SCREENED TO PREVENT EROSION AND SEDIMENTATION.

3. ALL EXISTING VEGETATION IS TO BE LEFT IN PLACE UNTIL THE CONTRACTOR IS SATISFIED THAT ALL SEDIMENT CONTROL DEVICES ARE IN PLACE AND FUNCTIONING PROPERLY.

4. ALL HOLDER-DERIVED SEDIMENT CONTROL DEVICES ARE TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF OF THE CAPACITY OF THE DEVICE.

5. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO SUBMISSION OF THE SUBMITTAL SHEET.

6. CONTRACTOR WILL BE REQUIRED TO SUBMIT SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY TO COMPLY WITH NC EMPIRE DISTRICT PERMITS ON FILE FOR THE PROJECT.

7. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO SUBMISSION OF THE SUBMITTAL SHEET.

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STONEx ARBOR
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www.starlight.com

REVISIONS
PROJECT NO. STL-19000
FILENAME STL19000-OAEC1.dwg
CHECKED BY
DRAWN BY
SCALE 1" = 50' DATE 07.12.2019

PLAN INFORMATION
GRAPHIC SCALE 0 25 50 100

PLAN - STAGE 1
EXISTING
WENDELL FALLS PARKWAY SR 1007 (VARIABLE WIDTH PUBLIC R/W)
EXISTING
LANDING VIEW DRIVE (50' PUBLIC R/W)
EXISTING
CEMETERY
OPEN SPACE/STREAM BUFFER 62,179 SF

EROSION CONTROL LEGEND
SB-1 (SEE SUMMARY TABLE)
SB-2 (SEE SUMMARY TABLE)

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL AND WAKE COUNTY SPECIFICATIONS AND DETAILS.

SEE SHEET C6.00 FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.
**STONE ARBOR**
**CONSTRUCTION DRAWINGS**
**WENDELL FALLS PARKWAY**
**WENDELL, NORTH CAROLINA 27591**

**REVISIONS**

**PROJECT NO.**
STL-19000

**FILENAME**
STL19000-OAEC2

**CHECKED BY**

**DRAWN BY**

**SCALE**

**DATE**
07.12.2019

**EROSION CONTROL**

**PLAN INFORMATION**

**PROJECT NO.**
1ST-100892

**EROSION CONTROL PLAN - STAGE 2**

**NOTE:**

*/ Erosion control plan conforms to the latest version of the Town of Wendell and Wake County specifications and details*
<table>
<thead>
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<tr>
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<th>WATER DETAILS</th>
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STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION

STARLIGHT HOMES NORTH CAROLINA L.L.C.
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PHONE: 919. 422. 7663

CLIENT

REVISIONS

PROJECT NO.
STL-19000

FILENAME
STL19000-SW1.dwg

CHECKED BY

DRAWN BY

SCALE
1"=20'

DATE
07.12.2019

PLAN INFORMATION

MEASURE "A"

STORMWATER CONTROL
DETAILS

SEE SHEETS C0.00 AND C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE, UTILITY, AND EROSION CONTROL NOTES.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL AND WAKE COUNTY SPECIFICATIONS AND DETAILS.
MEASURE "A"

SEE SHEETS C0.00 AND C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE, UTILITY, AND EROSION CONTROL NOTES.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL AND WAKE COUNTY SPECIFICATIONS AND DETAILS.
STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

STORMWATER CONTROL
DETAILS
SEE SHEETS C0.00 AND C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE, UTILITY, AND EROSION CONTROL NOTES.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL AND WAKE COUNTY SPECIFICATIONS AND DETAILS.
STORMWATER CONTROL MEASURE "A" LANDSCAPE SPECIFICATIONS

PERMANENT SEEDING SCHEDULE

NOTE:

APPLICATION RATE

1. **KOBE LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.**
2. **FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/AC GROUND AGRICULTURE LIMESTONE AND 1000 LB/AC 10-10-10 FERTILIZER.**
3. **MAY 1 - AUG 15:**
   - **SEEDING MIXTURE**: 120 LBS/AC RYE (GRAIN)
   - **APPLICATION RATE**: 40 LBS/AC
4. **BARE ROOTS SPECIMENS ARE TO BE COVERED ENTIRELY BY A SUITABLE MEDIUM (ETC. SOIL, STONE, OR GRAVEL) UNTIL PLANTING OCCURS.**
5. **NECESSARY ADJUSTMENTS SHALL BE MADE ONLY AFTER APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.**
6. **WATER SHAL NOT CONTAIN ELEMENTS TOXIC TO PLANT LIFE.**
7. **PERMANT PLANTING BONING WITH TOPSOIL.**
8. **NEWLY PLANTED PLANTS NEED TO BE FASTENED TO THE SUBSTRATE FOR THE ESTABLISHMENT OF ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS HALL BE CUT OFF CLEANLY.**
9. **PLANT LOCATIONS**
   - **CONTRACTOR SHOULD SCARIFY THE TOP 3-4 INCHES OF THE COMPACTED FILL TO PROMOTE ROOTS WILL BE PLANTED IN LATE FEBRUARY OR EARLY MARCH.**
   - **HEEL IN SOIL AROUND PLANT AND PROCEED TO NEXT PLANTING LOCATION.**
10. **PLACE PLANTS IN PIT INSURING ROOTS ARE FACING COMPLETELY DOWNWARD.**
11. **INSURE THAT ROOTS, ONCE REMOVED FROM POT, ARE STRAIGHTENED AND FACE DOWNWARD.**
12. **CONTAINER STOCK / BARE ROOT**
13. **STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE SETTLED.**
14. **CREATE PLANTING AREA FOR EACH PLANT AND EXCAVATE PIT.**
15. **PLANT IN A LAYER OF BACKFILL.**
16. **PLACE THE BACKFILL AROUND THE BASE AND SIDES OF THE ROOT MASS, AND WORK EACH LAYER TO RESTING ON UNDISTURBED SOIL.**
17. **DIAMETER OF THE ROOT MASS. PLANT PIT WALL SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.**
18. **WATER SHALL BE POTABLE AND SHALL NOT CONTAIN ELEMENTS TOXIC TO PLANT LIFE.**
19. **CONSTRUCTION DRAWINGS WENDELL, NORTH CAROLINA 27591**
20. **STONE ARBOR**
21. **THE MAP OF PLANTS DESIGNATED ON THIS SHEET IS NOT A SUBSTITUTE FOR A TYPICAL PLAN.
STORMWATER CONTROL MEASURE "B" CONSTRUCTION SPECIFICATIONS

GENERAL NOTES

1. The Stormwater Control Measure "B" (SCM "B") is for the collection, conveyance, and treatment of stormwater runoff from the associated area.
2. The SCM "B" shall be designed and constructed in accordance with the approved drawings and specifications.
3. The SCM "B" shall be constructed in a manner that minimizes environmental impact and complies with all applicable regulations.

CONSTRUCTION SEQUENCE

1. Review, shop drawings and supporting structural calculations sealed by a P.E. registered in North Carolina.
2. Construct the interior grading shown on this sheet.
3. Complete construction tests per the specifications listed in the SCM "B" plan.
4. Submit the as-built drawings to the Engineer for certification.

OUTLET STRUCTURE MATERIAL SPECIFICATIONS

1. The outlet structure shall be constructed of precast concrete rings and shall be designed to withstand hydraulic pressures.
2. The outlet structure shall be watertight and shall conform to the shape, size, and location shown on the drawings.

STATEMENT OF RESPONSIBILITY

The Engineer shall have the right to inspect and test the materials and workmanship of the SCM "B" at any time and shall have the right to require the Contractor to make any necessary corrections.

1. **PERMANENT DRAIN CROSS-SECTION**

2. **COVER (MIN.)**

3. **3000 PSI CONCRETE COLLAR**

4. **INVERT = 3.0' L WEIR**

5. **6" Ø ORIFICE** (SEE DETAIL SHEET)

6. **ENGINEER-APPROVED EQUAL. THIS VALVE SHALL**

7. **6" PLUG VALVE. THE VALVE SHALL BE A M&H**

8. **SHALL BE OPERABLE FROM TOP OF OUTLET STYLE 1820 ECCENTRIC VALVE OR ENGINEER-APPROVED**

9. **GEOTEXTILE FABRIC SHALL BE PLACED ON SOIL COMPACTION SPECIFICATIONS**

10. **CONCRETE CRADLE TO BE FLUSH WITH TOP OF RISER (TO BE CONSTRUCTED IN THE FIELD BY THE CONTRACTOR)**

11. **ANCHOR (TYP., SEE NOTE #3)**

12. **PRECASTER SHALL PROVIDE A BLOCK OUT FOR THE 24"Ø O-RING RCP (SEE DETAIL SHEET C9.02B)**

13. **CONCRETE STRUCTURE WALL. PROVIDE 6" OVER LAP ON THE BOTTOM OF THE PIPE. ALL REBAR TO BE #4 REBAR.**

14. **STARLIGHT HOMES NORTH CAROLINA L.L.C.**

15. **THE JOHN R. MCADEAMS COMPANY, INC.**

16. **PHONE 919. 361. 5000**

17. **WENDELL FALLS PARKWAY**

18. **WENDELL, NORTH CAROLINA 27591**

19. **STONE ARBOR CONSTRUCTION DRAWINGS PARKWAY WENDELL, NORTH CAROLINA 27591**

20. **REVISIONS**

21. **FINAL DRAWING - NOT RELEASED FOR CONSTRUCTION**
STONE ARBOR CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

STARLIGHT HOMES NORTH CAROLINA L.L.C.
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NOTES:

1. ALL REINFORCING STEEL IN RISER ANTI-FLOTATION BLOCK TO BE GRADE 60 #6 BARS FOR HORIZONTAL CROSSING AND GRADE 60 #4 BARS FOR VERTICAL CONNECTIONS.

2. INSIDE OF RISER BOTTOM TO BE FORMED WITH NON-SHRINK GROUT TO INVERT ELEVATION OF BARREL.

3. ALL PIPE PENETRATIONS THROUGH THE CONCRETE RISER STRUCTURE SHALL BE MADE WATERTIGHT.

4. INSIDE OF RISER TO BE FORMED WITH NON-SHRINK GROUT TO INVERT ELEVATION OF BARREL

5. 24"Ø O-RING RCP FLOW

6. CONCRETE ANTI-FLOTATION BLOCK

7. 1" THICK JOINT FILLER MATERIAL

8. CONCRETE COLLAR (SEE DETAIL SHEET C9.01B)

9. MEASURE "B" STORMWATER CONTROL DETAILS

RISER ANTI-FLOTATION BLOCK CONNECTION

RISER BARREL/BEAD CONNECTION DETAIL
STORMWATER CONTROL MEASURE "B" LANDSCAPE SPECIFICATIONS

SEEDBED PREPARATION
1. Leave smooth seedbeds unedged for at least 72 hours before applying seed.
2. Allow seedbeds to dry thoroughly before applying seed.
3. Avoid walking on seedbeds after applying seed.
4. Apply seed to evenly spread soil.

PLANTING INSTRUCTIONS
1. Planting in late February to March. If necessary, extend temporary cover.
2. Apply 4000 lb/AC straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool.
3. Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.
4. Inspect and refertilize frequently. Refertilize in late winter of the following year; use soil tests or apply 150 lb/AC fertilizer.

MAINTENANCE
1. Temporary seeding schedule (as needed):
   - Jan 1 - May 1:
     - Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.
     - Inspect and refertilize frequently. Refertilize in late winter of the following year; use soil tests or apply 150 lb/AC fertilizer.
   - May 1 - Aug 15:
     - Apply 4000 lb/AC straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool.
     - Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.
   - Aug 15 - Dec 30, increase 10-10-10 fertilizer to 1000 lb/AC.

2. Permanent seeding schedule (SJM Plantings):
   - Jan 1 - May 1:
     - Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.
     - Inspect and refertilize frequently. Refertilize in late winter of the following year; use soil tests or apply 150 lb/AC fertilizer.
   - May 1 - Aug 15:
     - Apply 4000 lb/AC straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool.
     - Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.
   - Aug 15 - Dec 30:
     - Apply 10-10-10 fertilizer. Mow regularly to a height of 2-4 inches.

3. Planting techniques:
   - Stock shall have been grown in a container long enough for the root system to have developed sufficiently to hold its soil.
   - New plants need to be fastened to the substrate for the establishment of new roots.
   - Heel in soil around plant and proceed to next planting location.
   - Place plants in pit insuring roots are facing completely downward.
   - New plants need to be fastened to the substrate for the establishment of new roots.

4. Planting instructions:
   - Plants shall be positioned correctly in planting pit.
   - Place plants in pit insuring roots are facing completely downward.
   - Heel in soil around plant and proceed to next planting location.

5. Planting instructions:
   - Plants shall be positioned correctly in planting pit.
   - Place plants in pit insuring roots are facing completely downward.
   - Heel in soil around plant and proceed to next planting location.

6. Planting instructions:
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7. Planting instructions:
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8. Planting instructions:
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19. Planting instructions:
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26. Planting instructions:
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27. Planting instructions:
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    - Place plants in pit insuring roots are facing completely downward.
    - Heel in soil around plant and proceed to next planting location.
STONE ARBOR
CONSTRUCTION DRAWINGS
WENDELL FALLS PARKWAY
WENDELL, NORTH CAROLINA 27591

REVISIONS

SHEET

PLAN INFORMATION
PROJECT NO. STL-19000
CIRCULATION 4
DRAWN BY:
SCALE: 1" = 50'
DATE: 07.12.2019

PLAN NUMBER
LOT 2
0.68 AC.
(NO INCLUDED IN REZONING)
LOT 1
18.27 AC.

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, NC 27713
Phone 919. 361. 5000
Fax 919. 361. 2269
License number: C-0293
www.mcadamsco.com

CLIENT
REVISIONS
PROJECT NO.
FILENAME
CHECKED BY
DRAWN BY
SCALE
DATE

STARLIGHT HOMES NORTH CAROLINA L.L.C.
5711 SIX FORKS ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
PHONE: 919.422.7663

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, NC 27713
Phone 919.361.5000
Fax 919.361.2269
license number: C-0293
www.mcadamsco.com

LANDSCAPE

L5.00

STORMWATER CONTROL
MEASURE "A"
(SEE "C9" SHEETS)

STORMWATER CONTROL
MEASURE "B"
(SEE "C9" SHEETS)

EXISTING
WENDELL FALLS PARKWAY
SR 1007
(VARIABLE WIDTH PUBLIC R/W)

EXISTING
LANDING VIEW DRIVE
(50' PUBLIC R/W)

SAND VOLLEYBALL
COURT
5,000 SF

REC. OPEN SPACE
PLAYGROUND
3,461 SF

REC. OPEN SPACE
MAIL KIOSK

DOG PARK
10,194 SF

PARK SPACE
34,512 SF

EXISTING
CEMETERY

STREET "B"
(54' PUBLIC R/W)

STREET "A"
(VARIABLE WIDTH
PUBLIC R/W)

STREET "A"
(54' PUBLIC R/W)

ALLEY "2"
(20' PUBLIC ACCESS EASEMENT)

ALLEY "3"
(20' PUBLIC ACCESS EASEMENT)

ALLEY "4"
(20' PUBLIC ACCESS EASEMENT)

ALLEY "5"
(20' PUBLIC ACCESS EASEMENT)

EXISTING LIFT STATION

OPEN SPACE/
STREAM BUFFER
62,179 SF

OPEN SPACE/
FLOODPLAIN
49,648 SF

LOT 2
0.68 AC.
(NO INCLUDED IN REZONING)
LOT 1
18.27 AC.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE TOWN OF WENDELL, CITY OF RALEIGH, WAKE COUNTY AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS WHERE APPLICABLE.
LANDSCAPE NOTES

1. ALL 20' TYPE B BUFFERS, UNLESS OTHERWISE NOTED, ARE SATISFIED WITH EXISTING BUFFER.

2. CONTRACTOR TO SUPPLEMENT EXISTING NATURAL BUFFER WHERE THE TOWN'S OPACITY REQUIREMENTS ARE NOT SATISFIED.

3. NO LARGE CANOPY TREES SHALL BE LOCATED WITHIN DUKE POWER EASEMENT.

4. WHEN SUPPLEMENTING EXISTING VEGETATION IN A BUFFER, AVOID DISTURBING CRITICAL HABITAT.

5. NO PLANTINGS SHALL BE REQUIRED WHEN A PRESERVED WETLAND OR REQUIRED RIPARIAN BUFFER EXIST.

OPEN SPACE TREE CALCULATIONS

STREET TREE CALCULATIONS

BUFFER PLANTING NOTES:

1. ALL 20' TYPE B BUFFERS, UNLESS OTHERWISE NOTED, ARE SATISFIED WITH EXISTING BUFFER.

2. CONTRACTOR TO SUPPLEMENT EXISTING NATURAL BUFFER WHERE THE TOWN'S OPACITY REQUIREMENTS ARE NOT SATISFIED.

3. NO LARGE CANOPY TREES SHALL BE LOCATED WITHIN DUKE POWER EASEMENT.

4. WHEN SUPPLEMENTING EXISTING VEGETATION IN A BUFFER, AVOID DISTURBING CRITICAL HABITAT.

5. NO PLANTINGS SHALL BE REQUIRED WHEN A PRESERVED WETLAND OR REQUIRED RIPARIAN BUFFER EXIST.

BUFFER PLANT SCHEDULE

Landscape Notes

1. ALL 20' TYPE B BUFFERS, UNLESS OTHERWISE NOTED, ARE SATISFIED WITH EXISTING BUFFER.

2. CONTRACTOR TO SUPPLEMENT EXISTING NATURAL BUFFER WHERE THE TOWN'S OPACITY REQUIREMENTS ARE NOT SATISFIED.

3. NO LARGE CANOPY TREES SHALL BE LOCATED WITHIN DUKE POWER EASEMENT.

4. WHEN SUPPLEMENTING EXISTING VEGETATION IN A BUFFER, AVOID DISTURBING CRITICAL HABITAT.

5. NO PLANTINGS SHALL BE REQUIRED WHEN A PRESERVED WETLAND OR REQUIRED RIPARIAN BUFFER EXIST.

BUFFER PLANT SCHEDULE

Landscape Details

1. ALL 20' TYPE B BUFFERS, UNLESS OTHERWISE NOTED, ARE SATISFIED WITH EXISTING BUFFER.

2. CONTRACTOR TO SUPPLEMENT EXISTING NATURAL BUFFER WHERE THE TOWN'S OPACITY REQUIREMENTS ARE NOT SATISFIED.

3. NO LARGE CANOPY TREES SHALL BE LOCATED WITHIN DUKE POWER EASEMENT.

4. WHEN SUPPLEMENTING EXISTING VEGETATION IN A BUFFER, AVOID DISTURBING CRITICAL HABITAT.

5. NO PLANTINGS SHALL BE REQUIRED WHEN A PRESERVED WETLAND OR REQUIRED RIPARIAN BUFFER EXIST.
STONE ARBOR
OFFSITE IMPROVEMENTS

LOCATION: WENDELL FALLS PARKWAY FROM APPROX 970' WEST OF LANDING VIEW DRIVE TO APPROX 450' EAST OF LANDING VIEW DRIVE

Submit Off-site Improvement Plan to DOT for approval (if not done already) and provide documentation of DOT approval to the Town of Wendell.
### Typical Section No. 1

**E -L- Wendell Falls PKWY**

- **C1**: Proposed 2'-6" concrete curb & gutter
  - At an average rate of 456 lbs. per sq. yd. for Proposed approx. 4" asphalt concrete intermediate course type I19.0C,

- **C2**: Proposed 2'-0" mill wedging detail for resurfacing W
  - At an average rate of 168 lbs. per sq. yd. in each of two layers
  - Proposed approx. 1.5" asphalt concrete surface course type S9.5C,

- **C3**: Existing pavement
  - At an average rate of 168 lbs. per sq. yd. in each of two layers
  - Proposed approx. 3" asphalt concrete surface course type S9.5C,

- **D1**: Proposed earth material
  - At an average rate of 112 lbs. per sq. yd. per 1" depth to be placed in layers not less than 1.5" in depth or greater than 2" in depth.
  - Proposed var. depth asphalt concrete intermediate course type I19.0C,

- **D2**: Proposed earth material
  - At an average rate of 114 lbs. per sq. yd. per 1" depth. To be placed in layers not less than 3" in depth or greater than 5" in depth.
  - Proposed var. depth asphalt concrete base course type B25.0C,

- **E1**: Proposed 2'-6" concrete curb & gutter
  - At an average rate of 570 lbs. per sq. yd. for proposed approx. 5" asphalt concrete base course type B25.0C,

- **E2**: Proposed 2'-0" mill wedging detail for resurfacing W
  - At an average rate of 168 lbs. per sq. yd. in each of two layers
  - Proposed approx. 3" asphalt concrete surface course type S9.5C,

- **R1**: Proposed 4" concrete sidewalk
  - At an average rate of 114 lbs. per sq. yd. per 1" depth. To be placed in layers not less than 2.5" in depth or greater than 4" in depth.
  - Proposed var. depth asphalt concrete intermediate course. Type I19.0C,

- **S**: Proposed geometry sample

NOTES:

1. Pavement edge slopes are 1:1 unless otherwise indicated.
2. Refer to plan sheets for variable widths.
3. Signs on plots are approximate.
4. Cuts and fills to be included in final plans for additional detail.
5. Existing grade to vary.

### Typical Section No. 2

**E -L- Wendell Falls PKWY**

- **C1**: Proposed 2'-6" concrete curb & gutter
  - At an average rate of 456 lbs. per sq. yd. for Proposed approx. 4" asphalt concrete intermediate course type I19.0C,

- **C2**: Proposed 2'-0" mill wedging detail for resurfacing W
  - At an average rate of 168 lbs. per sq. yd. in each of two layers
  - Proposed approx. 1.5" asphalt concrete surface course type S9.5C,