


Legend

 Project Boundary

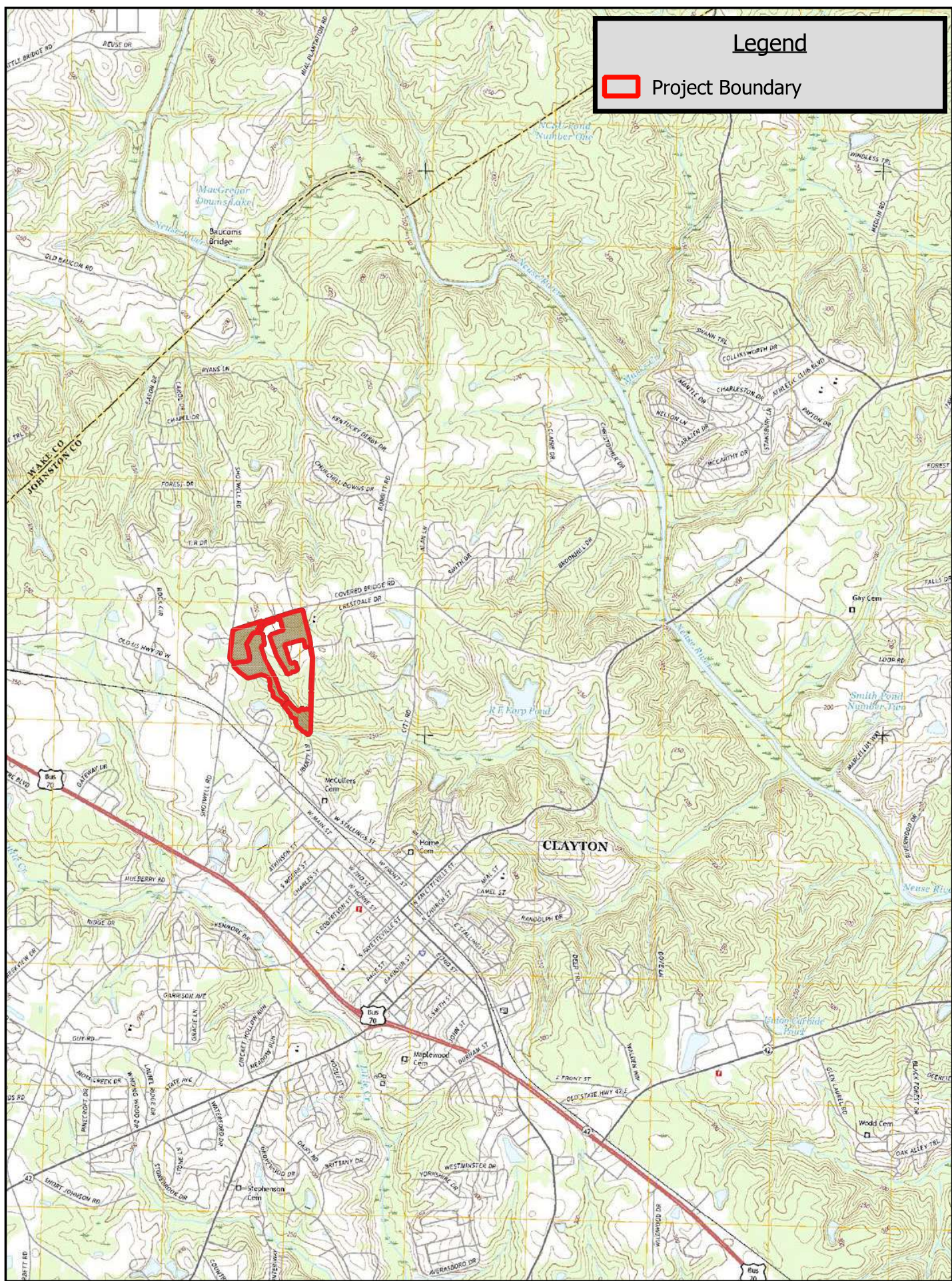


Figure
1

Location Map


Highgate Subdivision
Shotwell & Covered Bridge Roads
Town of Clayton, Johnston County NC

Scale
NTS
11/11/20



By: MRR

Legend

 Project Boundary

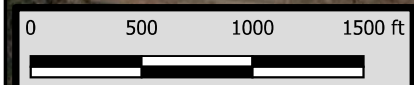
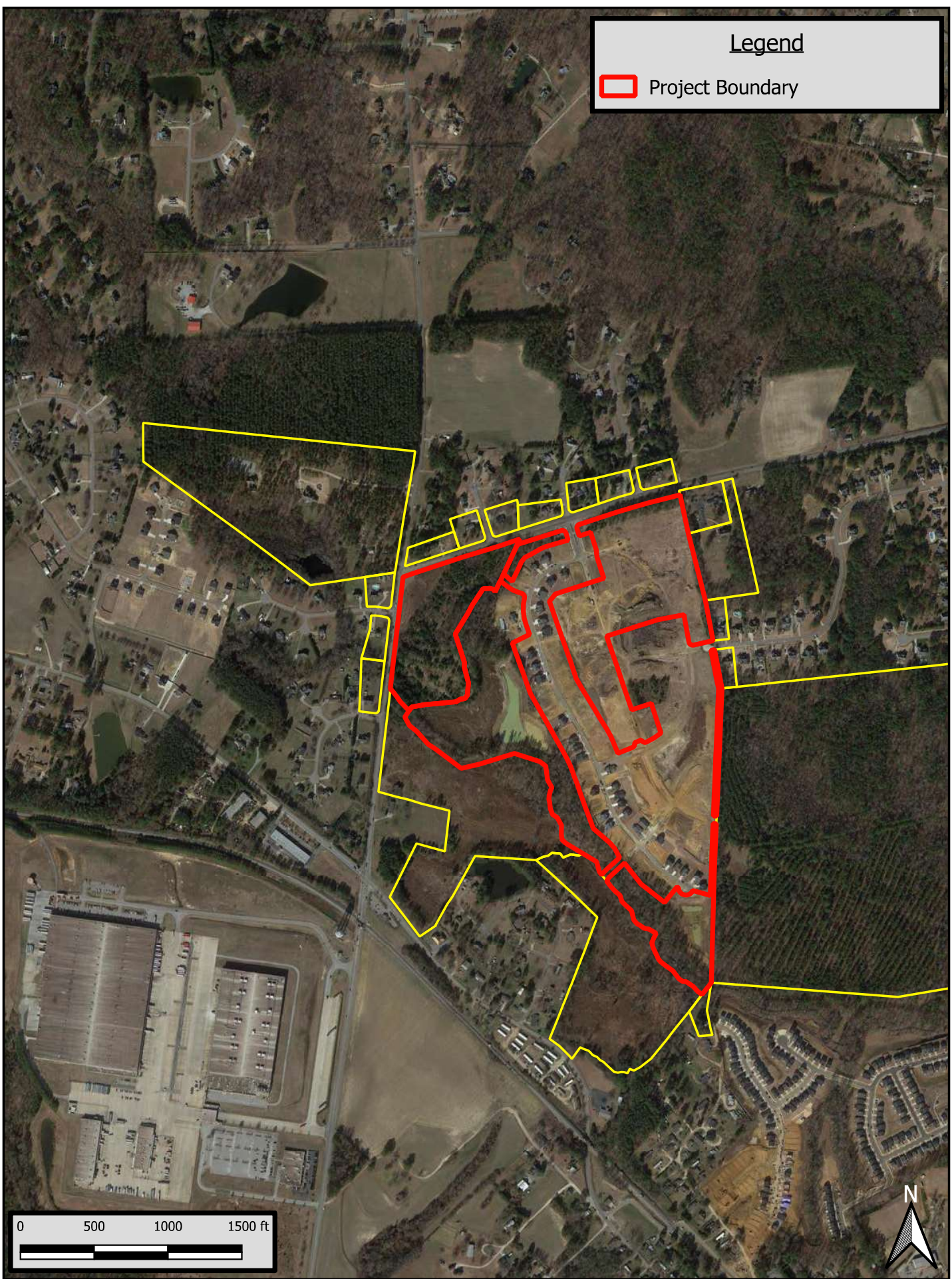


Figure
3

Project Parcels and Adjacent Properties

Highgate Subdivision
Shotwell & Covered Bridge Roads
Town of Clayton, Johnston County NC

Scale
1"=1000'
11/11/20



By: MRR



IMPACT ID: WL IMPACT #2
 RESOURCE ID: WETLAND C
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.01 AC.

IMPACT ID: WL IMPACT #6
 RESOURCE ID: WETLAND 200
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.01 AC.

IMPACT ID: WL IMPACT #5
 RESOURCE ID: WETLAND 300
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.11 AC.

| WETLAND IMPACTS | |
|-----------------|----------|
| IMPACT AREA # | AREA |
| 2 | 0.01 AC. |
| 5 | 0.11 AC. |
| 6 | 0.01 AC. |
| TOTAL | 0.13 AC. |

WETLAND IMPACT MAP
 FOR
HIGHGATE SUBDIVISION GREENWAY
 TOWN OF CLAYTON - JOHNSTON COUNTY, N.C.

CALL BEFORE YOU DIG!
 NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION
North Carolina One-Call Center, Inc.
 www.ncocc.org
 1-800-632-4949

SCALE: 1" = 100'
 0 50 100 200

Dalton Engineering and Associates, P. A.
 446 East Main Street
 P.O. Box 426
 Clayton, NC 27520
 (919)550-4740
 Fax (919) 550-4741

Job: 19014 Date: 4/26/21 Revision:
 File: 19014_Master_S&E_REV Drawn: WJB Sheet: 1 OF 1



IMPACT ID: WL IMPACT #1
 RESOURCE ID: WETLAND C
 PERM/TEMP: PERMANENT
 PURPOSE: ROAD FILL
 AMOUNT: 0.03 AC.

IMPACT ID: WL IMPACT #2
 RESOURCE ID: WETLAND C
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.01 AC.

IMPACT ID: STREAM IMPACT #1
 RESOURCE ID: STREAM 1
 PERM/TEMP: PERMANENT
 PURPOSE: INLET/OUTLET PROTECTION
 AMOUNT: 26 LF

IMPACT ID: STREAM IMPACT #2
 RESOURCE ID: STREAM 1
 PERM/TEMP: TEMPORARY
 PURPOSE: WATER UTILITY
 AMOUNT: 23 LF

IMPACT ID: WL IMPACT #4
 RESOURCE ID: WETLAND AB2
 PERM/TEMP: PERMANENT
 PURPOSE: CONSTRUCTION
 AMOUNT: 0.004 AC.

IMPACT ID: STREAM IMPACT #1
 RESOURCE ID: STREAM 1
 PERM/TEMP: PERMANENT
 PURPOSE: CULVERT/ROAD FILL
 AMOUNT: 61 LF

IMPACT ID: WL IMPACT #3
 RESOURCE ID: WETLAND AB2
 PERM/TEMP: PERMANENT
 PURPOSE: ROAD FILL
 AMOUNT: 0.25 AC.

IMPACT ID: WL IMPACT #5
 RESOURCE ID: WETLAND 300
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.11 AC.

IMPACT ID: WL IMPACT #6
 RESOURCE ID: WETLAND 200
 PERM/TEMP: PERMANENT
 PURPOSE: GREENWAY FILL
 AMOUNT: 0.01 AC.

| IMPACTS | | | | |
|-------------------|-------------|-----------|-------------------------|-------------|
| IMPACT ID | RESOURCE ID | PERM/TEMP | PRPOSE | AMOUNT |
| WL IMPACT #1 | WETLAND C | PERMANENT | ROAD FILL | 0.03 ACRES |
| WL IMPACT #2 | WETLAND C | PERMANENT | GREENWAY FILL | 0.01 ACRES |
| WL IMPACT #3 | WETLAND AB2 | PERMANENT | ROAD FILL | 0.25 ACRES |
| WL IMPACT #4 | WETLAND AB2 | PERMANENT | CONSTRUCTION | 0.004 ACRES |
| STREAM IMPACT #1 | STREAM 1 | PERMANENT | CULVERT/ROAD FILL | 61 LF |
| STREAM IMPACT #1a | STREAM 1 | PERMANENT | INLET/OUTLET PROTECTION | 26 LF |
| STREAM IMPACT #2 | STREAM 1 | TEMPORARY | WATER UTILITY | 23 LF |
| WL IMPACT #5 | WETLAND 300 | PERMANENT | GREENWAY FILL | 0.11 ACRES |
| WL IMPACT #6 | WETLAND 200 | PERMANENT | GREENWAY FILL | 0.01 ACRES |

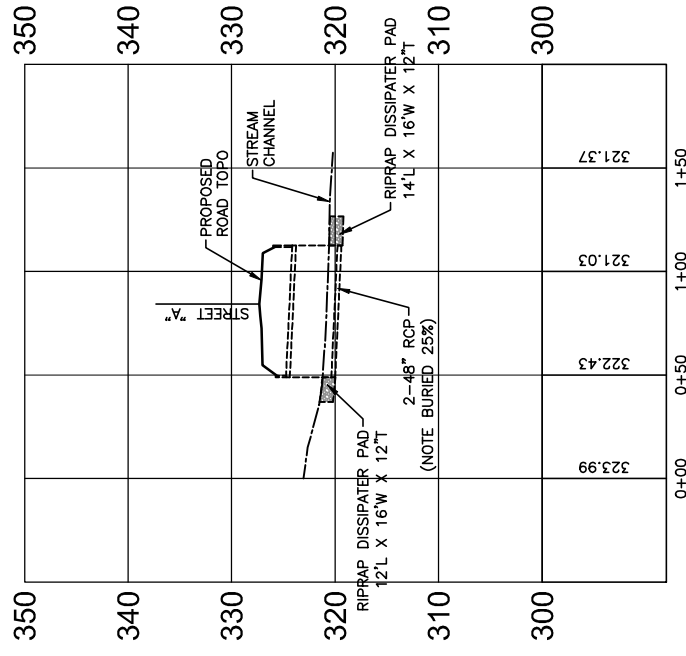
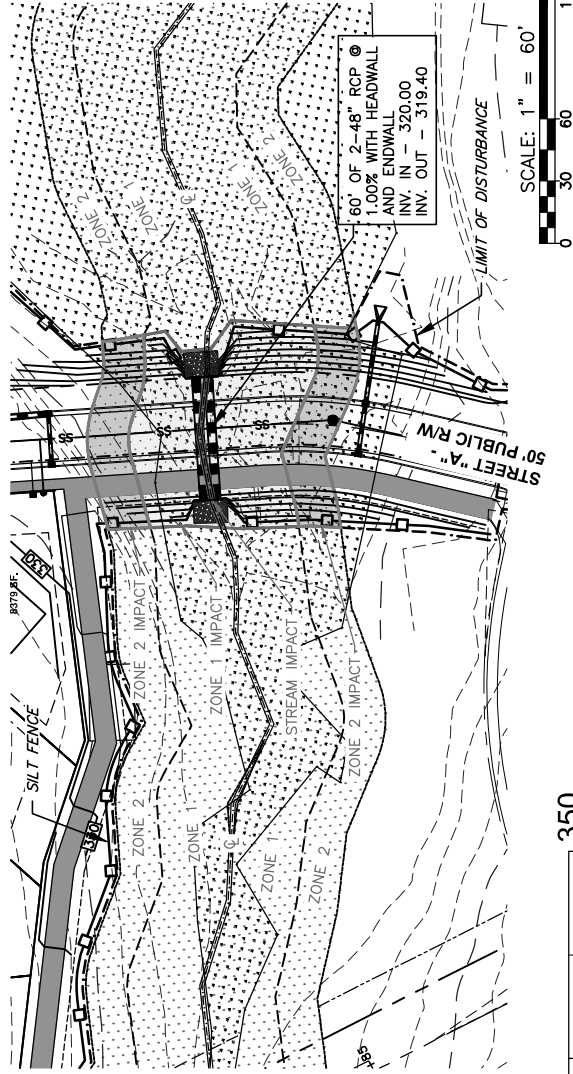
OVERALL PROJECT IMPACT MAP
 FOR
HIGHGATE SUBDIVISION
 TOWN OF CLAYTON - JOHNSTON COUNTY, N.C.

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 NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION
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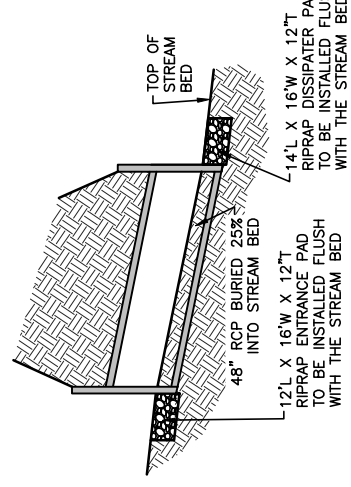
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| Job: 19014 | Date: 4/26/21 | Revision: |
| File: 19014_Master_S&E_REV | Drawn: WJB | Sheet: 1 OF 1 |

SCALE: 1" = 100'
 0 50 100 200



| STREAM BED IMPACT | |
|------------------------------------|---------|
| TOTAL STREAM BED IMPACT | 87 L.F. |
| CULVERT AND ENDWALL IMPACT | 61 L.F. |
| INLET AND OUTLET PROTECTION IMPACT | 26 L.F. |

| RIPARIAN BUFFER IMPACT | |
|------------------------|-----------|
| ZONE 1 | 7,319 SF. |
| ZONE 2 | 3,910 SF. |

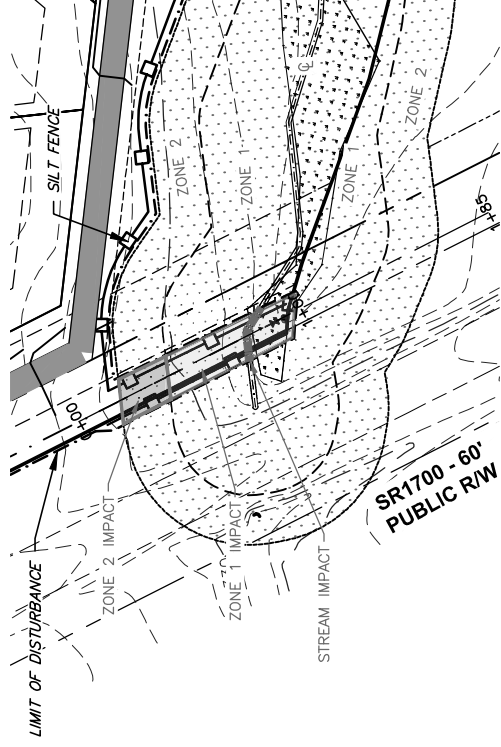
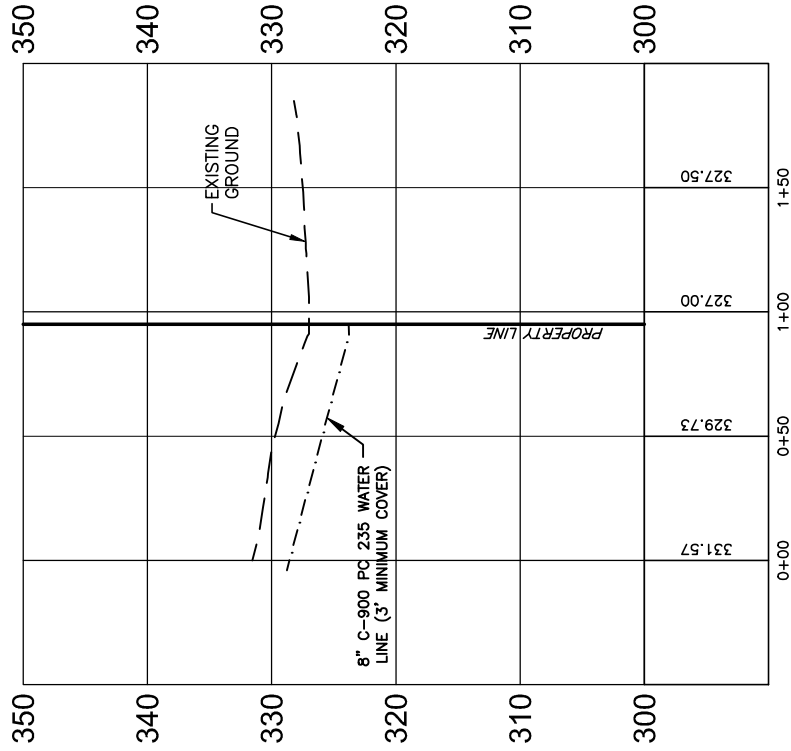


TYPICAL CULVERT INSTALLATION DETAIL
NOT TO SCALE

STREAM CROSSING / BUFFER IMPACT AREA #1
FOR
HIGHGATE SUBDIVISION - PHASE V
TOWN OF CLAYTON - JOHNSTON COUNTY, N.C.

Dalton Engineering and Associates, P. A.
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Job: 18019
Date: 12/1/2020
Revision:
Fig.: 18019_Master_DR
Drawn: WJB
Sheet: 1 OF 1



| STREAM BED IMPACT | |
|-------------------------|---------|
| TOTAL STREAM BED IMPACT | 23 L.F. |

| RIPARIAN BUFFER IMPACT | |
|------------------------|---------|
| ZONE 1 | 894 SF. |
| ZONE 2 | 354 SF. |

STREAM CROSSING / BUFFER IMPACT AREA #2
 FOR
HIGHGATE SUBDIVISION - PHASE V
 TOWN OF CLAYTON - JOHNSTON COUNTY, N.C.

Dalton Engineering and Associates, P. A.
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Job: 18019 Date: 12/1/2020 Drawn: WJB Revision:
 File: 18019_Master_RR Sheet: 1 OF 1