

NOTES:

- INFORMATION SHOWN BASED ON AERIAL SURVEY DATA PERFORMED BY GEODATA CORPORATION ON JUNE 18, 2018. ADDITIONAL SURVEY INFORMATION PERFORMED BY THE WOOTEN COMPANY ON AUGUST 7, 2018 TO LOCATE WETLANDS, GREENWAY AND VARIOUS OTHER STRUCTURES. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AS REQUIRED.
- TBM #1 MANHOLE AT
SLUDGE BUILDING EL 124.79
- TBM #2 MANHOLE AT
SED BASIN No 2 EL 127.92
- FINISHED 1ST FLOOR AT DOOR = EL 130.04
FINISHED 2ND FLOOR AT GENERATOR BRIDGE = 142.07
- 100 YR FLOOD
EL. 126.7
(PER FIRM MAP 3720169400K EFFECTIVE JUNE 20, 2018)

SEE DETAIL 1/M102 FOR
INTAKE MODIFICATIONS
FOR THE SETTLED WATER
PUMP STATION, TYP AT 2
LOCATIONS

EXISTING RAW WATER
PUMP RESERVOIR

PROPOSED NEW RESERVOIR EXPANSION,
SEE DWGS C203 AND C205

EXISTING BUFFALO
GREENWAY TRAIL
TO BE REMOVED TO
5 FEET OUTSIDE OF
NEW FENCE LINE

PROPOSED BUFFALO
CREEK FORCE MAIN
(BY OTHERS)

PROPOSED BUFFALO
CREEK FORCE MAIN
(BY OTHERS)

EXISTING SLUDGE
STORAGE TANK

EXISTING CLEARWELL

EXISTING
BACKWASH
STORAGE
TANK

NEW CLEARWELL
(128' DIA)

NEW BACKWASH
TANK
(70' DIA)

NEW SED. BASIN AND FILTER
SEE DWGS M201 THRU M221

EXISTING
PAC SYSTEM

NEW PAC
SYSTEM, SEE
DWG C001

100 YEAR
FLOOD
BOUNDARY

FUTURE
CLEARWELL

NEW FENCING

NEW SCREENING
VEGETATION

NEW MANUAL
GATE

2 OVERALL PROPOSED SITE PLAN
C201 SCALE: 1" = 60'

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

REVISIONS

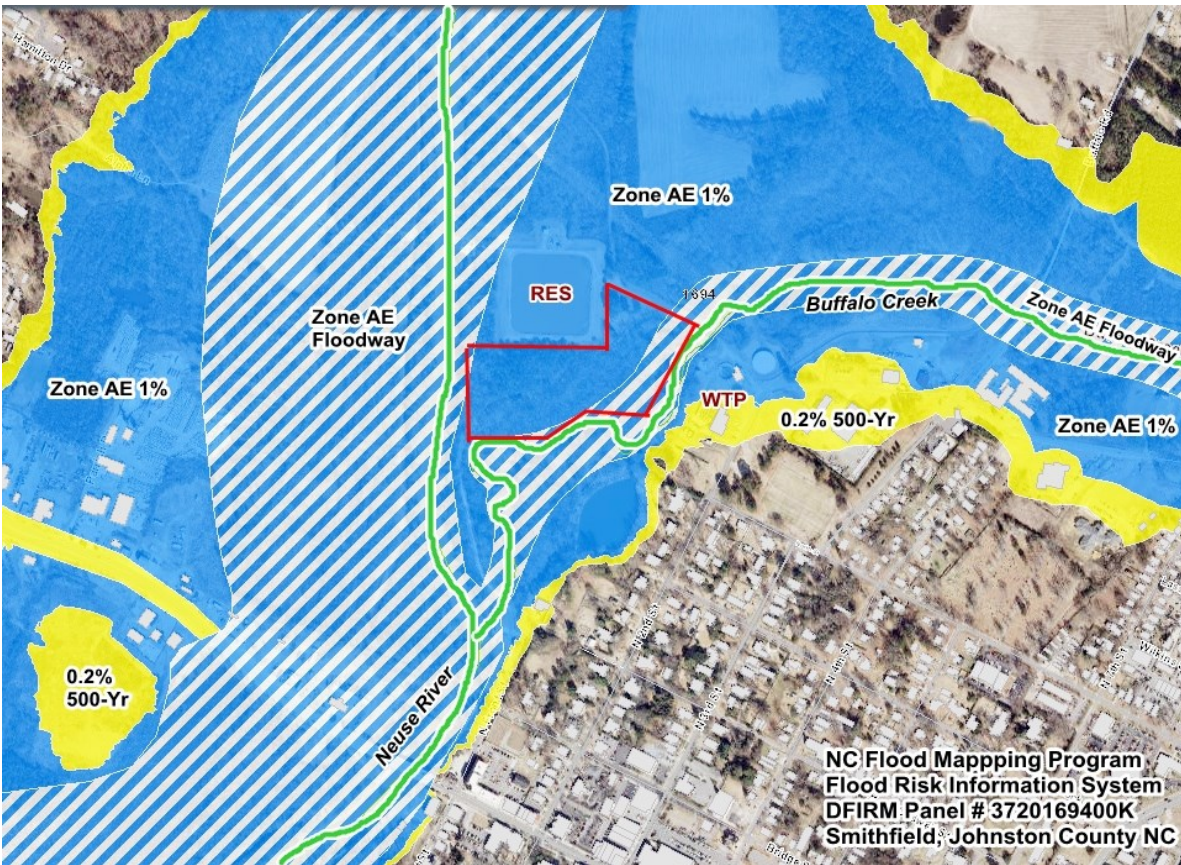
THE WOOTEN COMPANY
120 North Boylan Avenue, Raleigh, NC 27603-1423
919.828.0331 Fax 919.834.3589
License Number: F-4015

JOHNSTON COUNTY NORTH CAROLINA
TOWN OF SMITHFIELD
WATER TREATMENT PLANT IMPROVEMENTS
OVERALL PROPOSED SITE PLAN

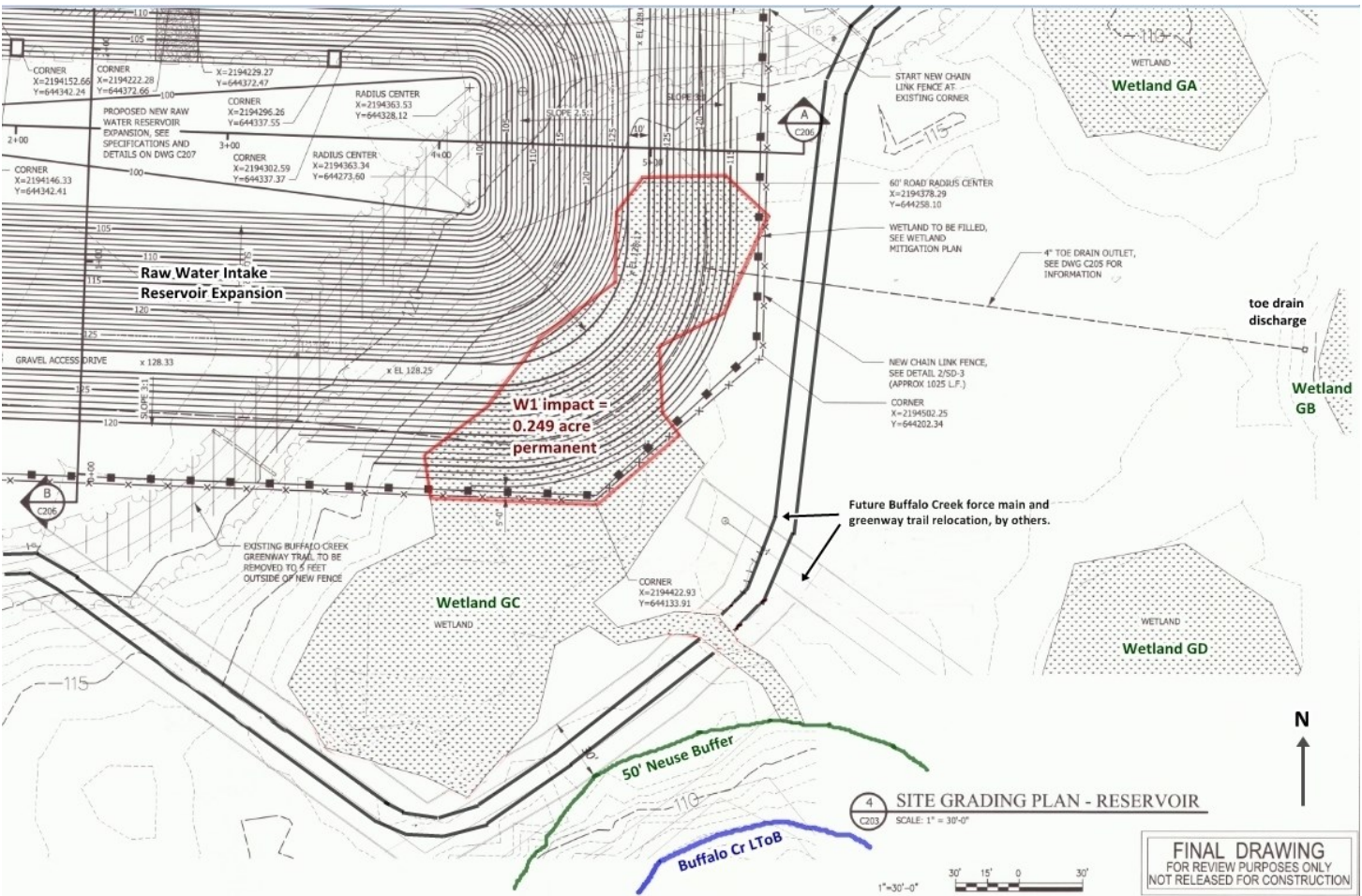
PROFESSIONAL SEAL
22531
ENGINEER
CHARLES W. DAVIS
25-JUL-19

DESIGNED BY:	CWD
DRAWN BY:	PMD/EML
CHECKED BY:	CWD
PROJECT NO.:	2698-BY
DATE:	MARCH 2019
SCALE:	AS NOTED
SHEET NO.:	C201

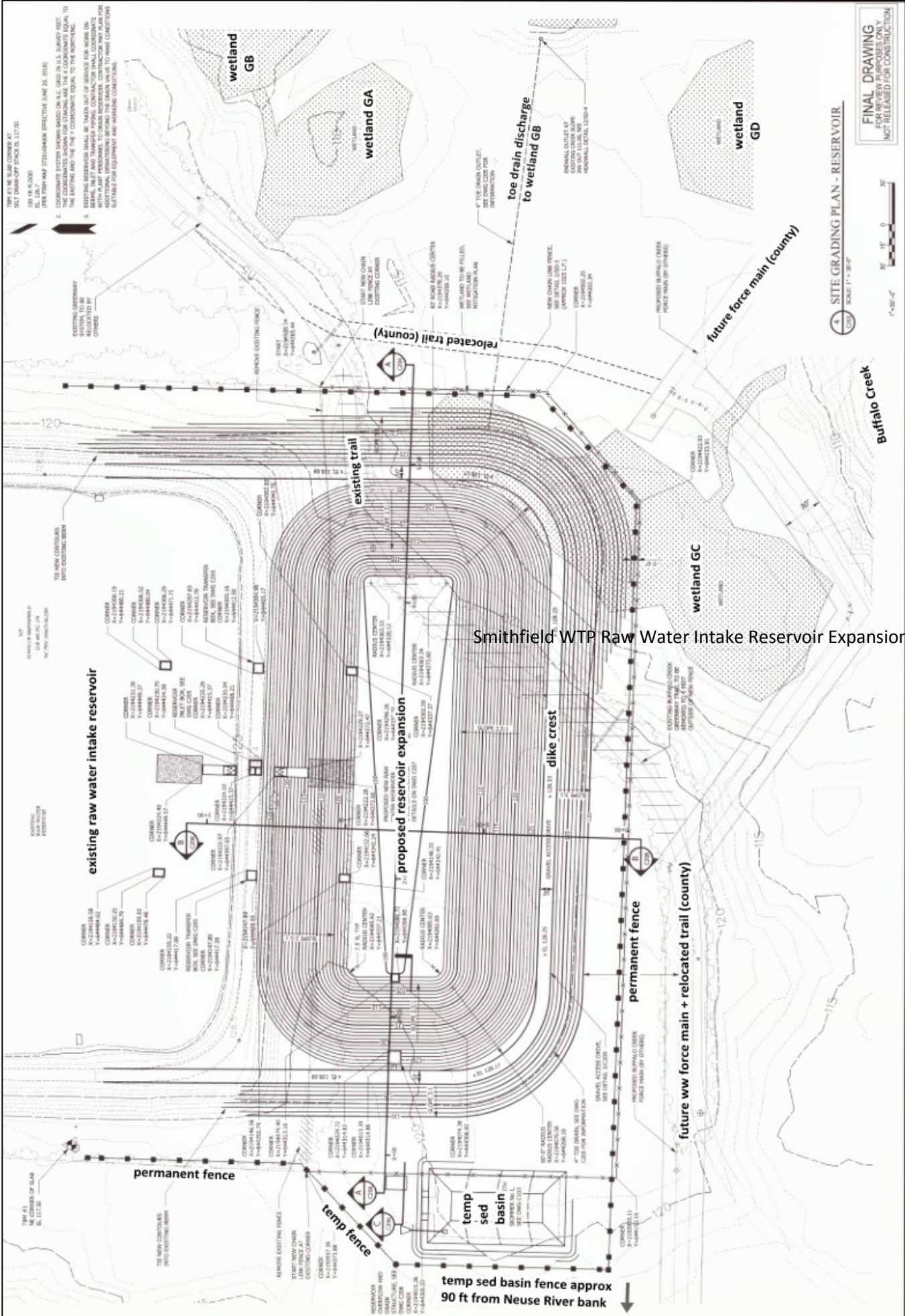
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7/25/2019
T:\Projects\Smithfield-2698\BY-WTP_Exp\CADD\Sheets\C201-overall site PLAN.dgn
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Floodplain Map: FRIS - DFIRM Panel #3720169400K. Red polygon = JD Review Aea.



Proposed wetland impact map. Trail relocation will be included in permitting for the force main, by Johnston County.



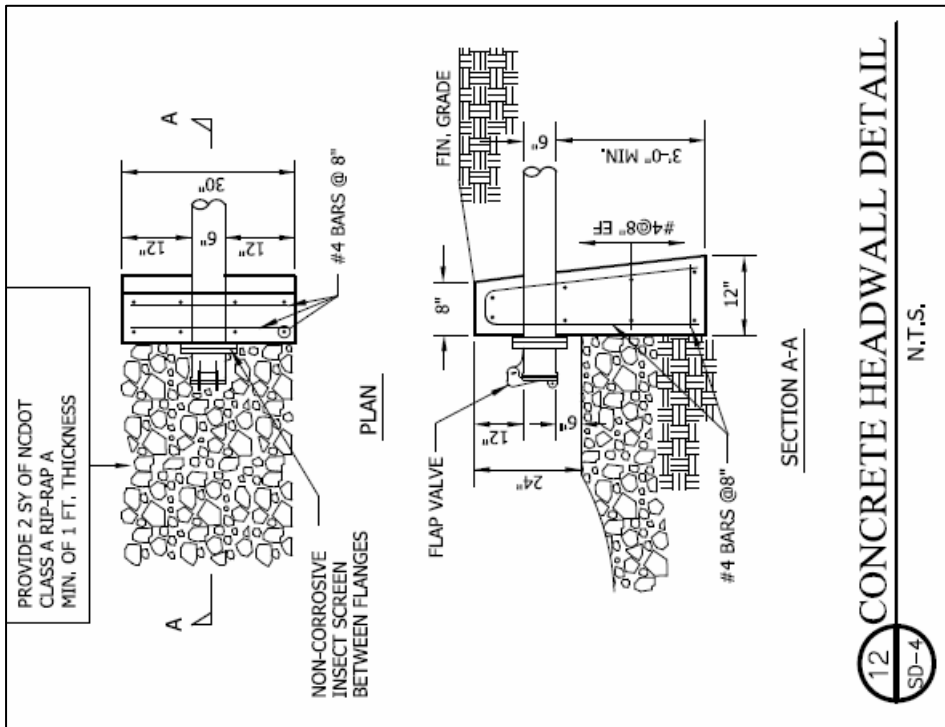
1. THE NEW CONTROL BASINS INTO EXISTING BASIN
2. CONFORMANCE SYSTEM SHOWS BASED ON A.G. CODES IN U.S. SURVEY FEET. (SEE PART 1000 3/20/2018) EFFECTIVE JUNE 30, 2018
3. EXISTING RESOURCES SHALL BE TAKEN OUT OF SERVICE FOR WORK ON BRINKS, INLET AND TRANSFER PIPING. CONTRACTOR SHALL COORDINATE WITH PLANT PERSONNEL TO DRAIN RESERVOIR. CONSTRUCTION MAY BE FOR SETBACK FOR EQUIPMENT AND WORKING CONDITIONS

4 SITE GRADING PLAN - RESERVOIR
SCALE: 1" = 30'-0"

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
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Smithfield WTP Raw Water Intake Reservoir Expansion Site Plan, Sheet



Toe Drain Discharge Headwall & Riprap Dissipator, adjacent to Wetland GB

