NOTES:
1. PIPING, NIPPLES, PLUGS & BALL VALVES AND TAPPING SADDLES TO BE 316 SERIES STAINLESS STEEL OR AS NOTED.
2. 36" MINIMUM COVER ON HDPE TUBING TO WITHIN 12" OF PEDESTAL.
3. VALVE SHALL BE INSTALLED WITH A TWO-PIECE CAST IRON VALVE BOX, COVER WITH "SEWER" STAMPED ON IT, AND PRECAST CONCRETE MARKER. UNLESS VALVE IS LOCATED IN DITCH, IN WHICH CASE A MARKER LOCATING VALVE IS STILL REQUIRED.
4. LOCATION OF ARV PEDESTAL SHALL BE APPROVED BY JWSC AND GLYNN COUNTY PRIOR TO INSTALLATION.

SEWER AIR RELEASE VALVE PEDESTAL ASSEMBLY DETAIL
JWSC STANDARD DETAIL 4-4A
Date: JANUARY 2017
DOUBLE WALLED CENTURY SRTP HDPE BOX/MANHOLE OR EQUIVALENT. MUST BE APPROVED.

H2O TRAFFIC RATED CENTURY ALUMINUM ACCESS HATCH WITH INTEGRATED LOCKING COVER

GRADE

2" ARI SINGLE FUNCTION AIR RELEASE VALVE ASSEMBLY W/BACKWASH FEATURES

4" DIA OR 4" SQUARE MANHOLE (MIN)

2" SS BALL VALVE

ADAPTER (IF REQUIRED)

316 SS PIPE AND FITTINGS

6" MIN GRAVEL

HDPE BOTTOM BASE PLATE

NOT TO SCALE

NOTES:
THE ACCESS HATCH SHALL HAVE NO GASKET TO ALLOW AIR TO EXIT VAULT PER JWSC STANDARDS

BRUNSWICK-GLYNN COUNTY
JOINT WATER & SEWER
COMMISSION

ARV HDPE BOX/MANHOLE

JWSC STANDARD DETAIL 4-4B

Date: JANUARY 2017

1703 Glecester Street
Brunswick, Georgia 31520

Phone: (912) 261-7110
Fax: (912) 261-7178
Website: www.bgiwsc.org
NOTE:
THIS STILLING WELL DETAIL TO BE USED ONLY WHERE INDICATED AND WHERE TRANSDUCER IS USED IN LIEU OF FLOAT SWITCHES.
NOTES:
1. THE INTEGRATED STAINLESS STEEL CURB STOP/CHECK VALVE ASSEMBLY SHALL BE E/ONE PART NUMBER NB0184PXX, NC0193GXX OR A PREVIOUSLY APPROVED EQUAL.
2. THE BOX HOUSING THE INTEGRATED STAINLESS STEEL CURB STOP/CHECK VALVE ASSEMBLY SHALL BE A RHINO MB-17 WITH TRAFFIC RATED LID MARKED SEWER OR PREVIOUSLY APPROVED EQUAL.

PUMPING SYSTEM TO BE A COMPLETELY FACTORY ASSEMBLED SIMPLEX GRINDER PUMPING STATION SPECIFICALLY DESIGNED FOR USE IN LOW PRESSURE SEWER SYSTEMS INCLUDING HOLDING TANK, ANTI-FLOTAION COLLARS, MEDIUM TO HIGH HEAD GRINDER PUMP, WITH LEVEL CONTROL SYSTEM AND CONTROL PANEL. HIGH HEAD GRINDER PUMPS (FLOWS TO 28 GPM AND HEADS TO 200 FEET) MAY BE USED UNIVERSALLY THROUGHOUT THE SYSTEM. DEPENDING UPON THE LOCATION WITHIN THE SYSTEM, MEDIUM HEAD GRINDER PUMPS MAY BE USED AS A COST SAVING MEASURE BUT IN NO CASE SHALL THE MOTOR HORSEPOWER BE LESS THAN 1.0. PUMP MANUFACTURERS SPECIALIZING IN EQUIPMENT USED IN LOW PRESSURE SEWER SYSTEMS CAN PROVIDE THE NECESSARY DESIGN ASSISTANCE IN THE SELECTION OF A SUITABLE PUMP.
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PLAN VIEW

METER BOX

12"X12"X4" CONCRETE COLLAR

2" PVC FM (FUTURE)

SECTION

METER BOX

GATE VALVE

45° BENDS

VALVE BOX AND FULL PORT BALL VALVE

WYE

2" PLUG FOR FUTURE EXTENSION OF FORCE MAIN

PEA GRAVEL

CONCRETE SUPPORT PAD
PLAN VIEW

PRECAST CONCRETE COLLAR OR 18X18X8 FORMED & POURED COLLAR

VALVE BOX & FULLY PORTED BALL VALVE SIZED PER LPSS MAIN

PEA GRAVEL OR CRUSHED STONE BEDDING MIN. 6-INCH

GATE VALVE

CRUSHED STONE BEDDING MIN. 6-INCH

SWEEP ELBOW

SECTION

NOT TO SCALE

TYPICAL TERMINAL FLUSH CONNECTION

JWSC STANDARD DETAIL 4-8A

Date: APRIL, 2017
EXISTING JWSC FORCE MAIN
(3-INCHES OR LARGER)

FLOW

SS FLANGED TAPPING SLEEVE

RESILIENT WEDGE GATE VALVE

MJ REDUCER

NEW FORCE MAIN
SIZE TO BE DETERMINED
BY ENGINEER OF RECORD

RIGHT-OF-WAY/ EASEMENT
PRIVATE

FLOW

RIGHT-OF-WAY/ EASEMENT
PRIVATE

NOTE:
1. BRANCH VALVE AND NEW FORCE MAIN TO BE THE SAME SIZE AS EXISTING FORCE MAIN UPTO REDUCER.
2. DIRECTION OF BRANCH TO BE DETERMINED BY JWSC.
3. ALL VALVE BOX LIDS TO BE STAMPED SEWER.
4. RESILIENT WEDGE GATE VALVE MUST BE INSTALLED NO GREATER THAN +/- 12-INCHES FROM R/W OR EASEMENT LINE.

NOT TO SCALE

FORCE MAIN CONNECTION TO EXISTING FORCEMAIN - 3" OR LARGER

JWSC STANDARD DETAIL 4-10

Date: SEPTEMBER 2019
EXISTING GRADE

MIN. 2' LOW PRESSURE SEWER LINE - HDPE DR9

INSTALL RUBBER BOOT WITH CLAMPS FILL VOID AREA WITH NON-SHRINK GROUT

SS STRAP 24" DC

MIN. BURY 36" FORCE MAIN DISCHARGE MANHOLE

NO INVERT MANHOLE

GRAVITY SEWER

GENERAL NOTES:
COAT INTERIOR OF THE MANHOLE WITH HYDROGEN SULFIDE RESISTANT CEMENTITIOUS PRODUCT(S) CONTAINING CALCIUM ALUMINATES.
GENERAL NOTES:
1. CORE OPENING IN EXISTING WALL FOR NEW FORCE MAIN, FILL ANNUAL SPACE AROUND PIPE WITH NON-SHRINK GROUT
2. PROVIDE FLEXIBLE RUBBER BOOT, KOR-N-SEAL OR EQUAL
3. PROVIDE MJ 90° BEND WITH RESTRAINED JOINTS WHERE SHOWN
4. PROVIDE MJ 90° BASE BEND WITH RESTRAINED JOINTS WHERE SHOWN
5. MODIFY AND REPAIR MANHOLE INVERTS AS REQUIRED TO ACCOMMODATE FORCE MAIN CONNECTIONS
6. CONNECT PIPE TO WALL OF MANHOLE WITH STAINLESS STEEL SUPPORT AND ANCHOR BOLTS
7. COAT INTERIOR OF THE MANHOLE WITH A HYDROGEN SULFIDE RESISTANT CEMENTITIOUS PRODUCT CONTAINING CALCIUM ALUMINATES