



PLAN

5'-0" I.D. PRECAST DOGHOUSE
CONCRETE MANHOLE W/FLAT TOP.
SEE SPECS. FOR MANUFACTURE.
REQUIREMENTS

GRADE RINGS OR
ADJUST TO GRADE
W/BRICK AND
MORTAR - 8" MAX.

DUCTILE IRON
RETURN BEND
W/INSECT SCREEN

ADD 4" STATIC AIR
VENT WHERE REQ.D

GROUT AS REQUIRED

MANHOLE COVER
AND FRAME

18"
MIN.

FLEXIBLE
HOSE

SEWAGE AIR
RELEASE VALVE

UNION

3" DIA.
PVC PIPE

SHUT-OFF
VALVE

BLOW-OFF
VALVE

GATE
VALVE

#57 CRUSHED
STONE

SECTION A-A

SECTION B-B

5'-0"

5'-0"

SAB
APPROVED BY:

KFM
DRAWN BY:

DATE: 10/23/2018

AIR RELEASE VALVE INSTALLATION FOR SEWER FORCE MAINS

DURHAM COUNTY, NORTH CAROLINA
ENGINEERING DEPARTMENT

SCALE:
NTS

DETAIL NO.
DUCO - 014

