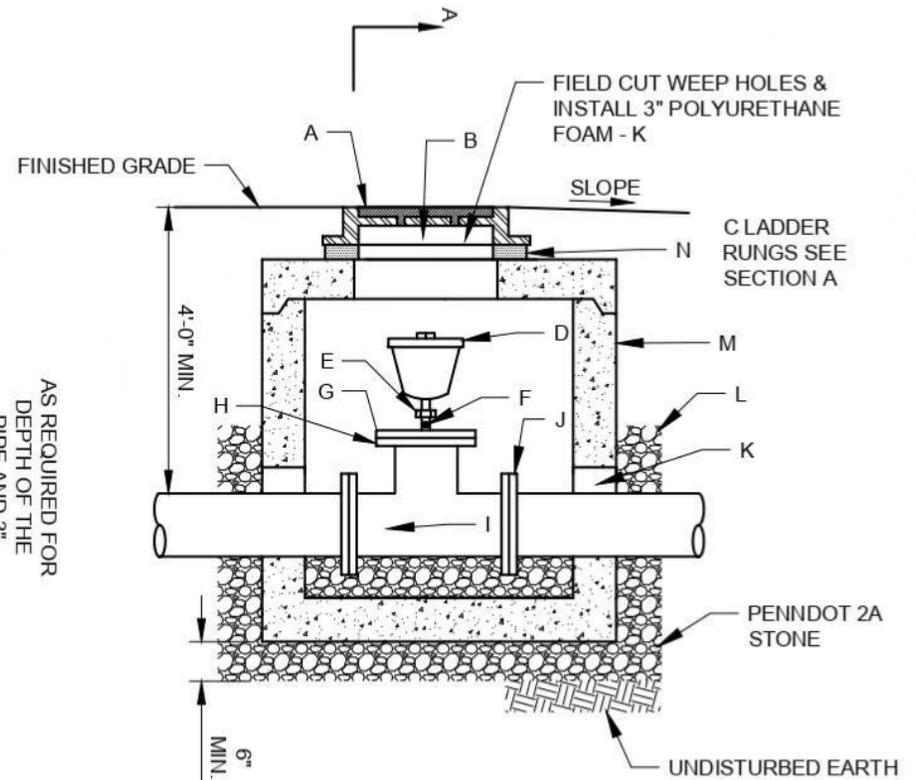


**SECTION A**



**SECTION B**

AS REQUIRED FOR  
DEPTH OF THE  
PIPE AND 3"  
CLEARANCE FROM  
FLOOR

## TYPICAL AIR RELEASE VALVE AND DOGHOUSE MANHOLE - OFF ROAD

NOT TO SCALE

- A - STANDARD MANHOLE FRAME AND COVER (SEE PRA DETAIL)
- B - SEALING SYSTEMS, INC. MANHOLE INSERT, 5" DEEP FOR INSULATION
- C - LADDER RUNG, M.A. INDUSTRIES PS4-B
- D - AIR RELEASE VALVE - CRISPIN UL20 WITH PROTECTOP
- E - 2" HEX NIPPLE 3" LONG, 304 OR 316 STAINLESS STEEL
- F - 2" BALL CORPORATION STOP M x FM
- G - TAPPED (2") FLANGE

- H - 1/8" GASKET
- I - COMPACT MJ x FE DUCTILE IRON TEE
- J - EBAA MEGALUG (2)
- K - POLYURETHANE FOAM INSULATION (ANNULAR OPENING & MANHOLE INSERT)
- L - 2A COARSE AGGREGATE
- M - 4'-0" DOGHOUSE MANHOLE
- N - 24" I.D. MINIMUM GRADE RING IF NEEDED

REVISED 5/13/2025



**PENNONI ASSOCIATES INC.**  
150 Ridge Road, Suite 2  
 Sellersville, PA 18960  
 T 215-257-5711 F 215-257-5766

**AIR RELEASE MANHOLE**  
PREPARED FOR:  
**PERKASIE REGIONAL AUTHORITY**

DESIGNED BY:	JAR
CHECKED BY:	SRT
DATE:	3/8/96
DRAWING NO.	PRA-W04