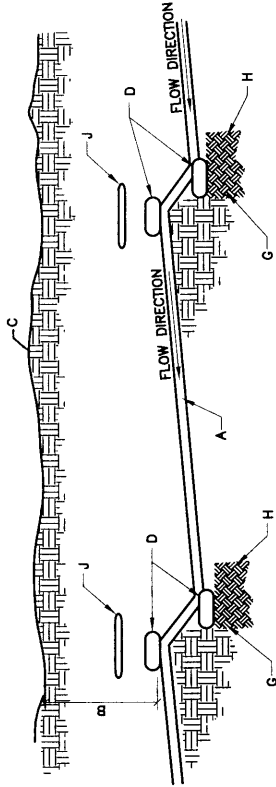


**GENERAL NOTES:**

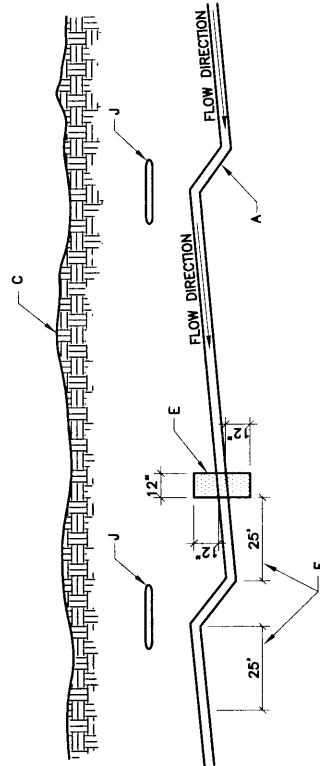
1. BENTONITE COLLAR TO BE INSTALLED EVERY 250' ALONG VACUUM SEWER RUN AND FORCE MAIN.
2. BENTONITE SEEPAGE COLLARS ARE FOR VACUUM SEWER MAINS AND FORCE MAINS INSTALLED IN MISCOD IRRIGATION RIGHT-OF-WAY OR AS SHOWN ON CONSTRUCTION DRAWINGS.
3. COST OF COLLARS IS INCIDENTAL TO PIPE CONSTRUCTION.

**CONSTRUCTION NOTES:**

- A. 4", 6", 8" OR 10" VACUUM SEWER.
- B. DEPTH PER PLANS
- C. FINISH GRADE
- D. 80 LB BAG OF RED-MIX CONCRETE WITH CUT ON TOP.
- E. BENTONITE SEEPAGE COLLAR; SEE SPECS. BELOW
- F. MIN. DISTANCE FROM 45° BENDS
- G. UNDISTURBED EARTH
- H. 95% COMPACTED SUBGRADE
- J. ELECTRONIC MARKER DISK, 12" ABOVE TOP OF PIPE



**BLOCKING DETAIL**  
SEWER PROFILE



**SEEPAGE COLLAR DETAIL**  
SEWER PROFILE

**BENTONITE SPECIFICATIONS:**

HYDROGEL BENTONITE  
BY WYO-BEN, INC. OR  
APPROVED EQUAL

|   |            |
|---|------------|
| BARREL YIELD                                      | 92         |
| VISCOMETER READING AT 600 R.P.M.                  | 39 +/- 5   |
| WATER LOSS  | 13.5 +/- 1 |
| % THRU 200 MESH SCREEN                            | 80 +/- 2   |
| WET SCREEN ANALYSIS RESIDUE ON U.S. SIEVE NO. 200 | 3.0 +/- .5 |
| % MOISTURE  | 7 +/- 1    |
| pH  | 9.1 +/- .1 |
| GEL STRENGTH-10SEC.                               | 18 +/- 2   |
| GEL STRENGTH-10 MIN.                              | 14 +/- 2   |
| PLASTIC VISCOSITY                                 | 18 +/- 2   |
| YIELD POINT, LB/200 FT.                           | 14 +/- 4   |

MIX 80 LBS. PER 100 GALLONS OF MAKE-UP WATER.

|  |           |
|--|-----------|
| REVISIONS  | NM APWA   |
| VACUUM SEWER STANDARDS<br>BLOCKING AND SEEPAGE<br>COLLAR DETAILS |           |
| DWG. 2173  | FEB. 2005 |