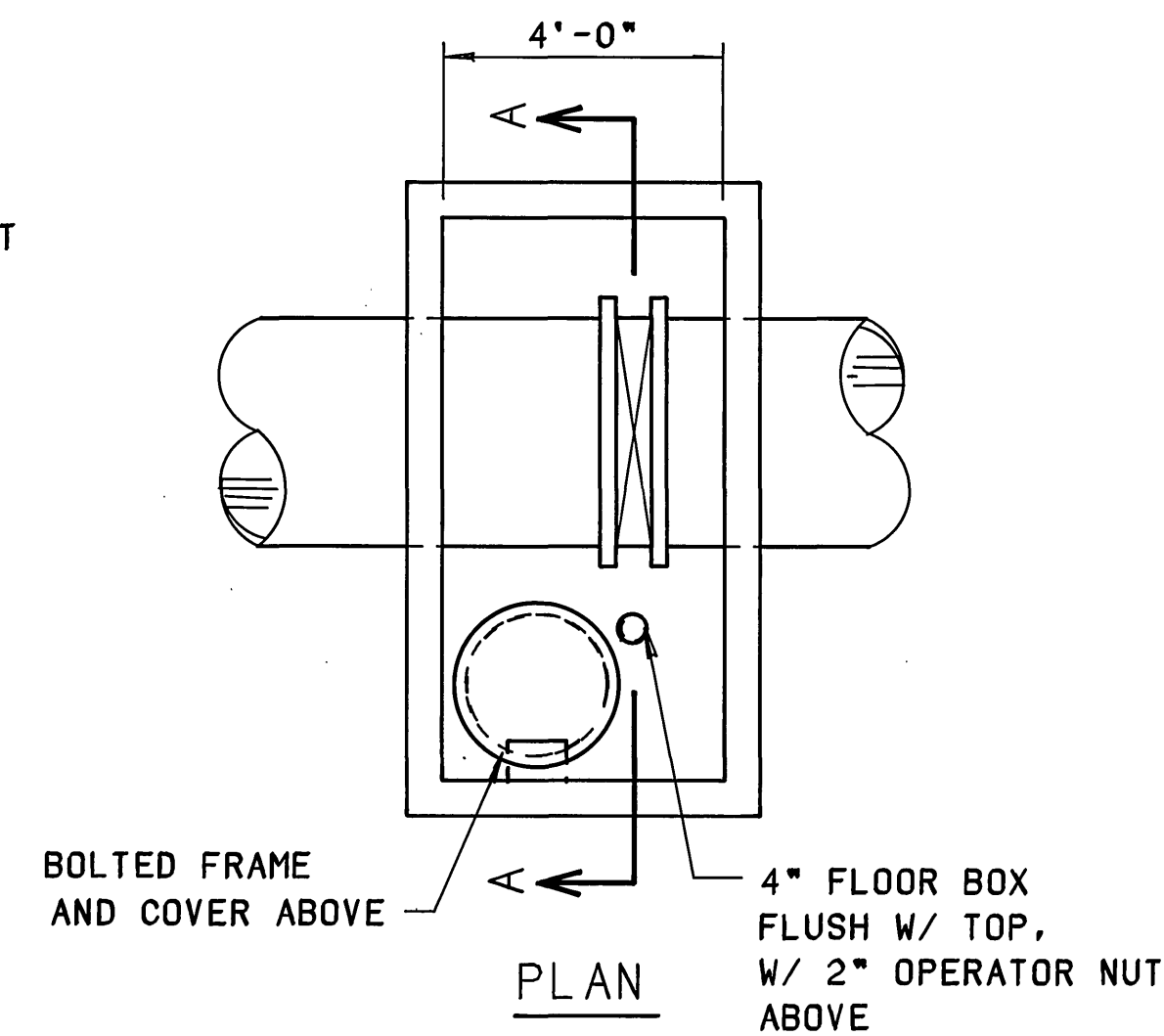
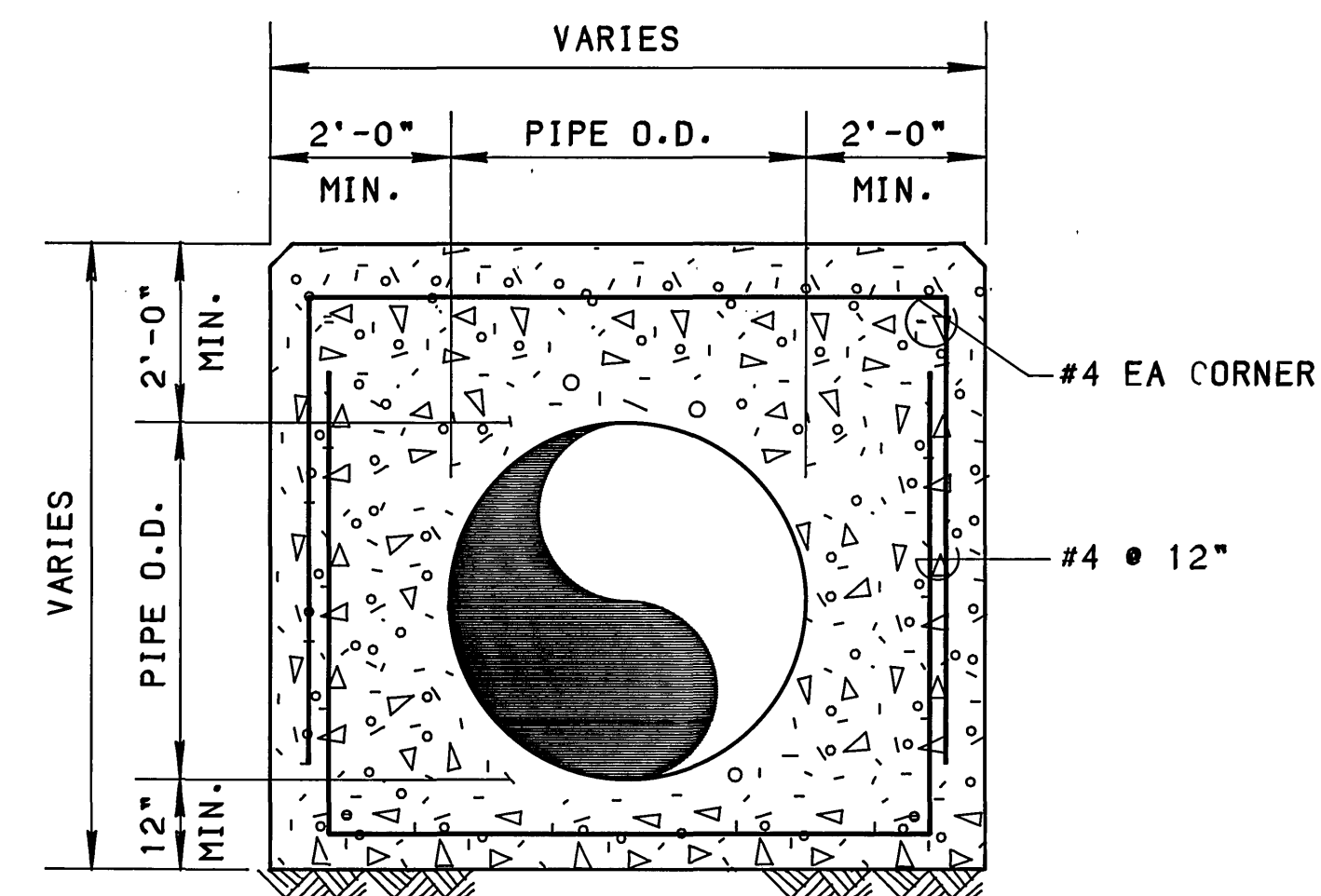


SECTION A A



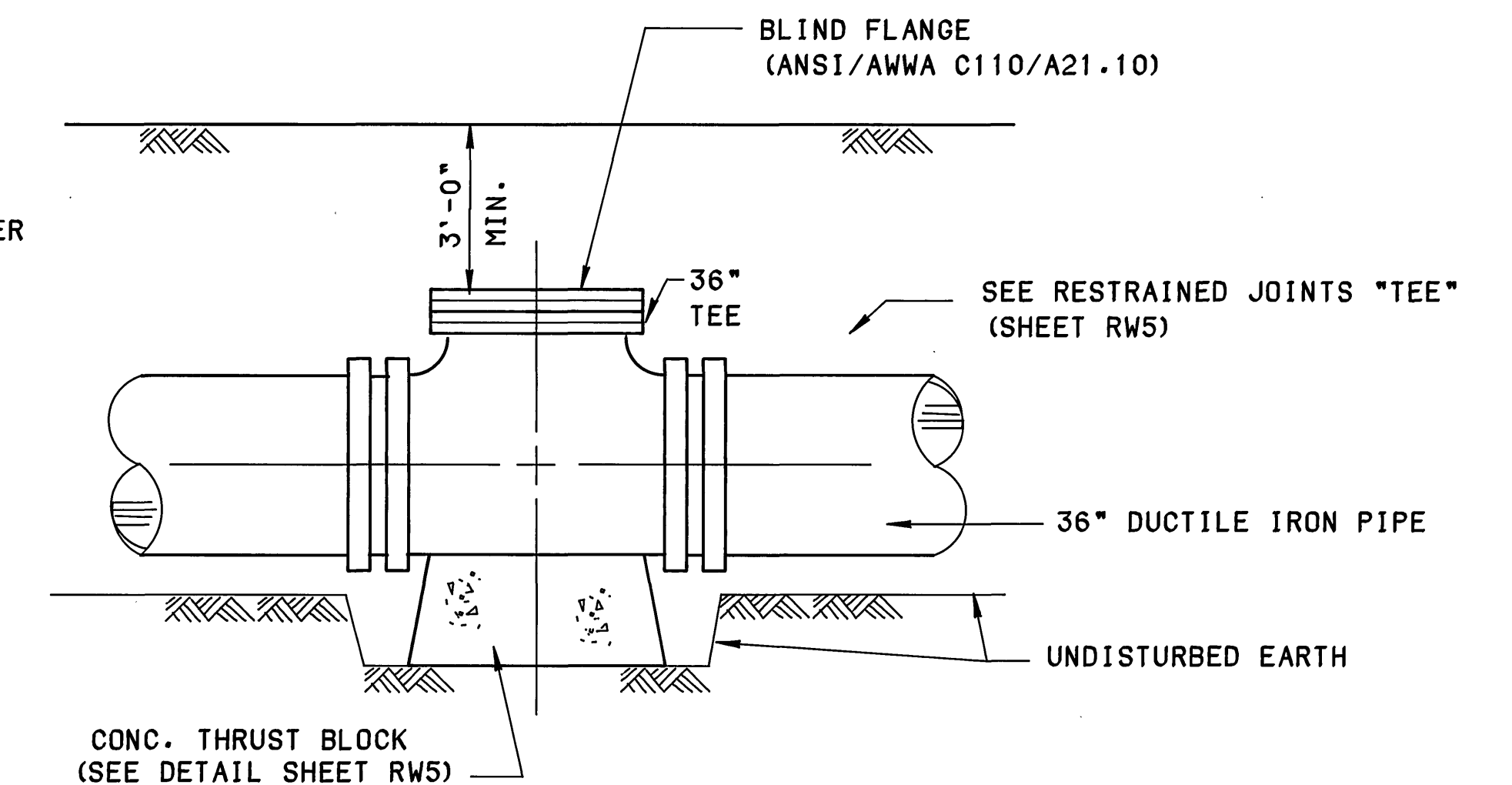
## VALVE VAULT DETAIL

SCALE: 3/8" = 1'-0"



## SINGLE PIPE ENCASEMENT

SCALE: NONE

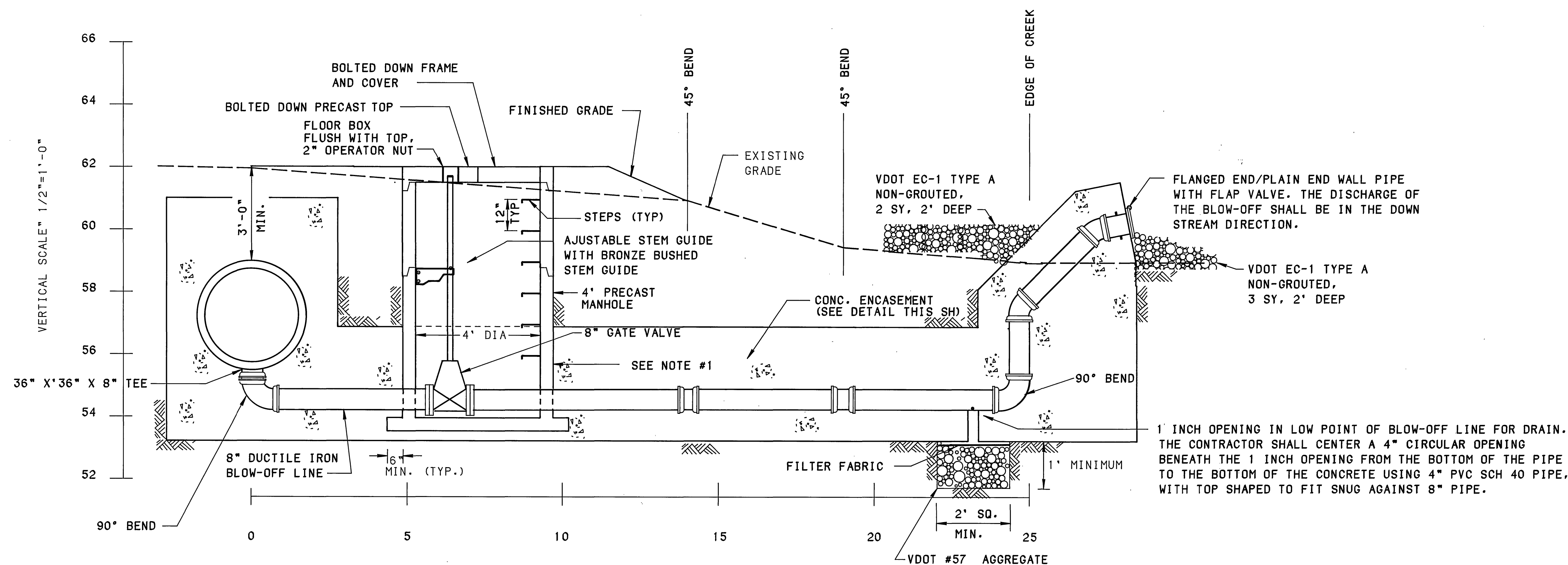


"PIGGING" TEE DETAIL

SCALE: 3/8" = 1'-0"

NOTE

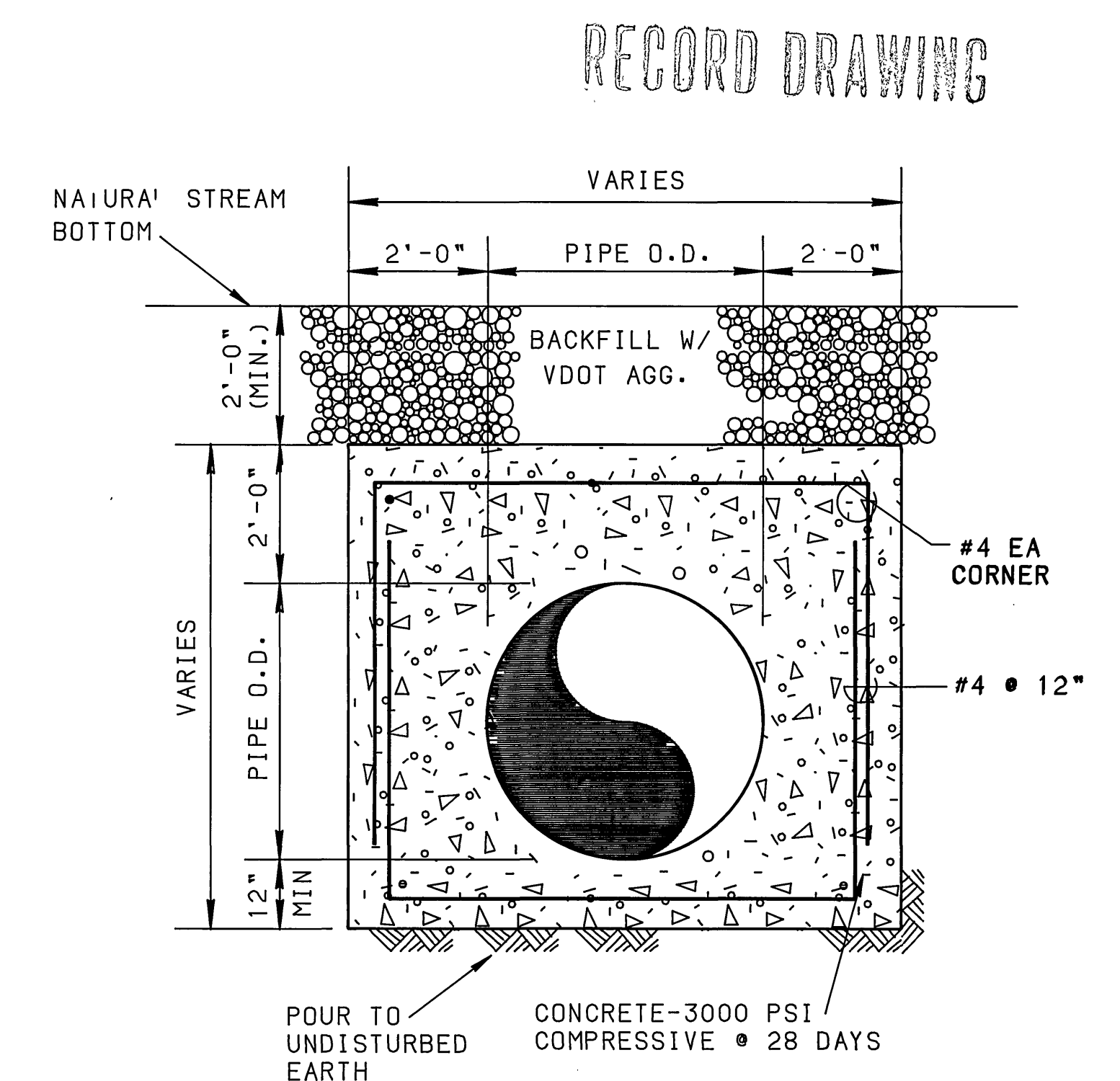
- 1 ALL MANHOLES CONNECTED TO PIPE THAT IS CONCRETE ENCASED SHALL  
HAVE THE SAME AMOUNT OF ENCASEMENT AROUND THE MANHOLE.  
AS THE PIPE.



BLOW-OFF #1

HORIZONTAL SCALE: 1/2"=1'-0"

SCALE: AS NOTED



# SINGLE PIPE ENCASEMENT STREAM CROSSING

SCALE: NONE

|                                                                         |                      |                                                                                       |     |      |               |     |      |                                                  |                    |
|-------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|-----|------|---------------|-----|------|--------------------------------------------------|--------------------|
| MATTERN & CRAIG<br>CONSULTING ENGINEERS • SURVEYORS<br>ROANOKE VIRGINIA | DESIGNED:<br><br>RFP |  | REV | DATE | DESCRIPTION   | BY  | APP. | CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I | DATE<br>MARCH 1992 |
|                                                                         | DRAWN:<br><br>FMP    |                                                                                       | 1   | 8/92 | MISCELLANEOUS | DSG | RWB  | ROANOKE, VIRGINIA                                | COMM. NO.<br>1138  |
| ALVORD, BURDICK & HOWSON<br>ENGINEERS CHICAGO                           | CHECKED:<br><br>SWH  |                                                                                       |     |      |               |     |      | RAW WATER LINE<br>DETAILS                        | SHEET<br>RW6       |