

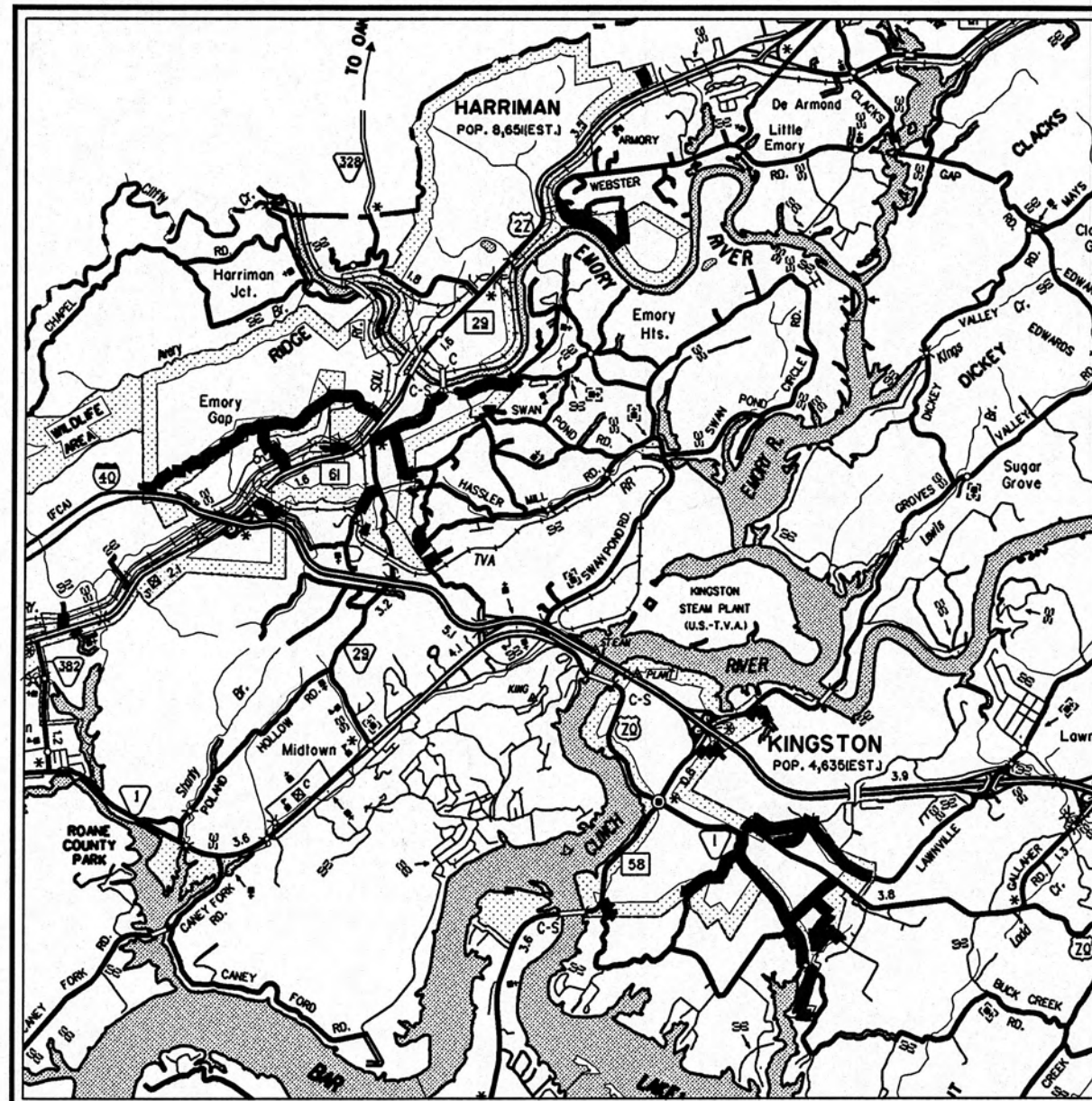
# HARRIMAN UTILITY BOARD

Roane County, Tennessee

## WATER AND SEWER LINES PINE RIDGE ROAD

CONTRACT 106

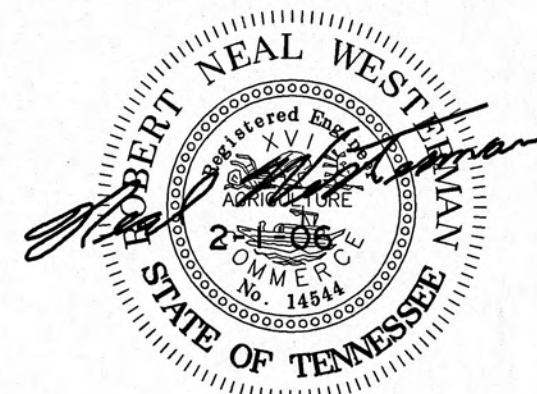
LOCATION MAP



PROJECT LOCATION

2006

Project Engineer



### SHEET INDEX

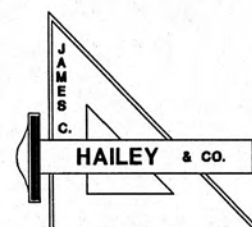
|                                               |   |
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| WATER LINE ADDITIONS-----                     | 1 |
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| STANDARD SEWER LINE DETAILS -----             | 6 |

PLANS REVIEWED AND APPROVED BY HARRIMAN UTILITY BOARD

*Frankie Davis*

1-11-05  
DATE

SET NUMBER



JAMES C. HAILEY & CO.

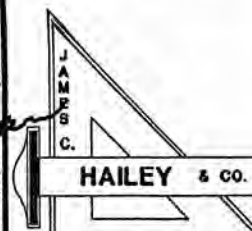
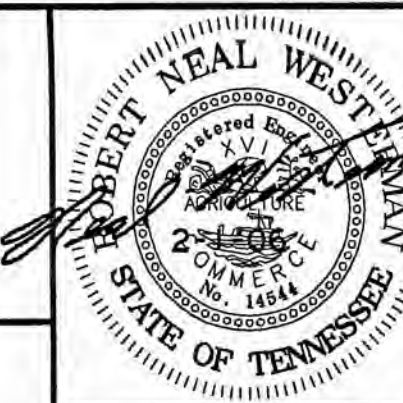
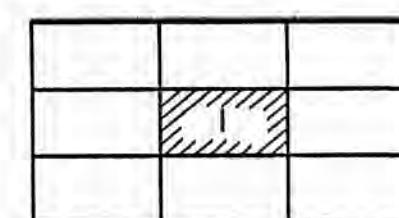
2622 OLD LEBANON ROAD - SUITE 200

NASHVILLE, TENNESSEE

JCH PROJECT NO. 03225



1/2" = 100'

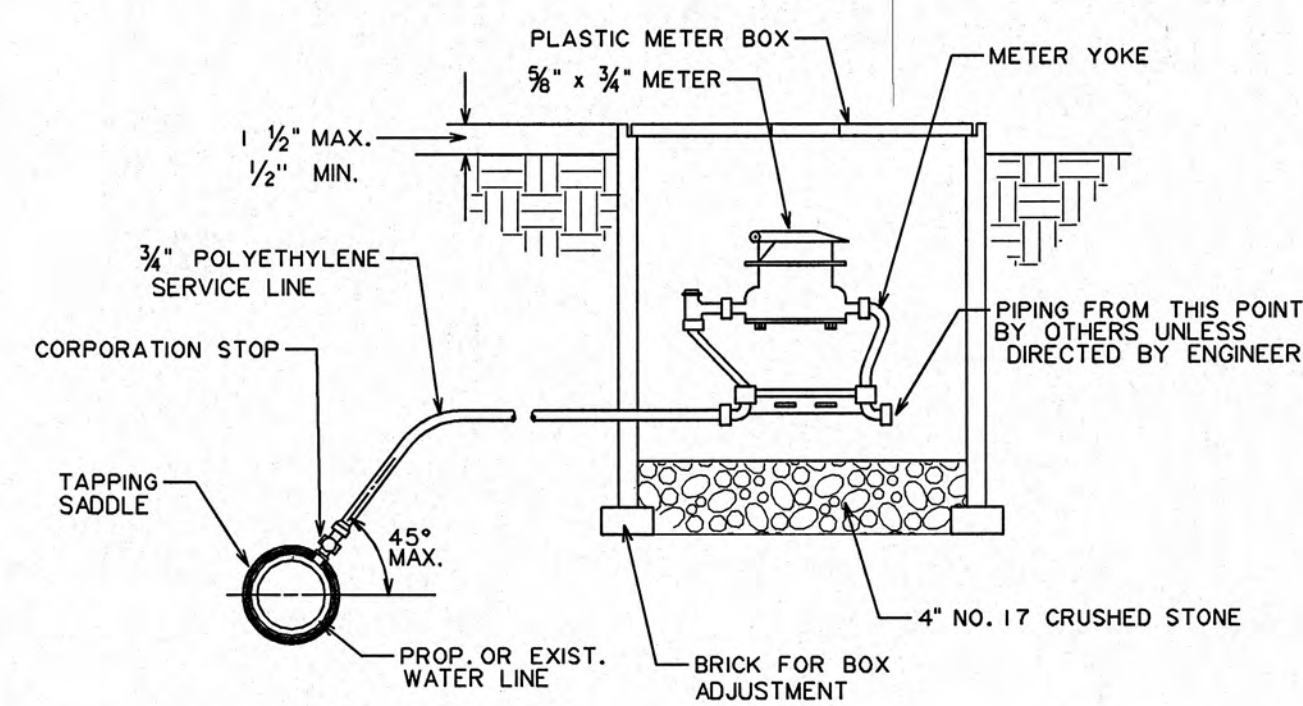


HARRIMAN UTILITY BOARD  
Roane County, Tennessee

WATER LINE ADDITIONS

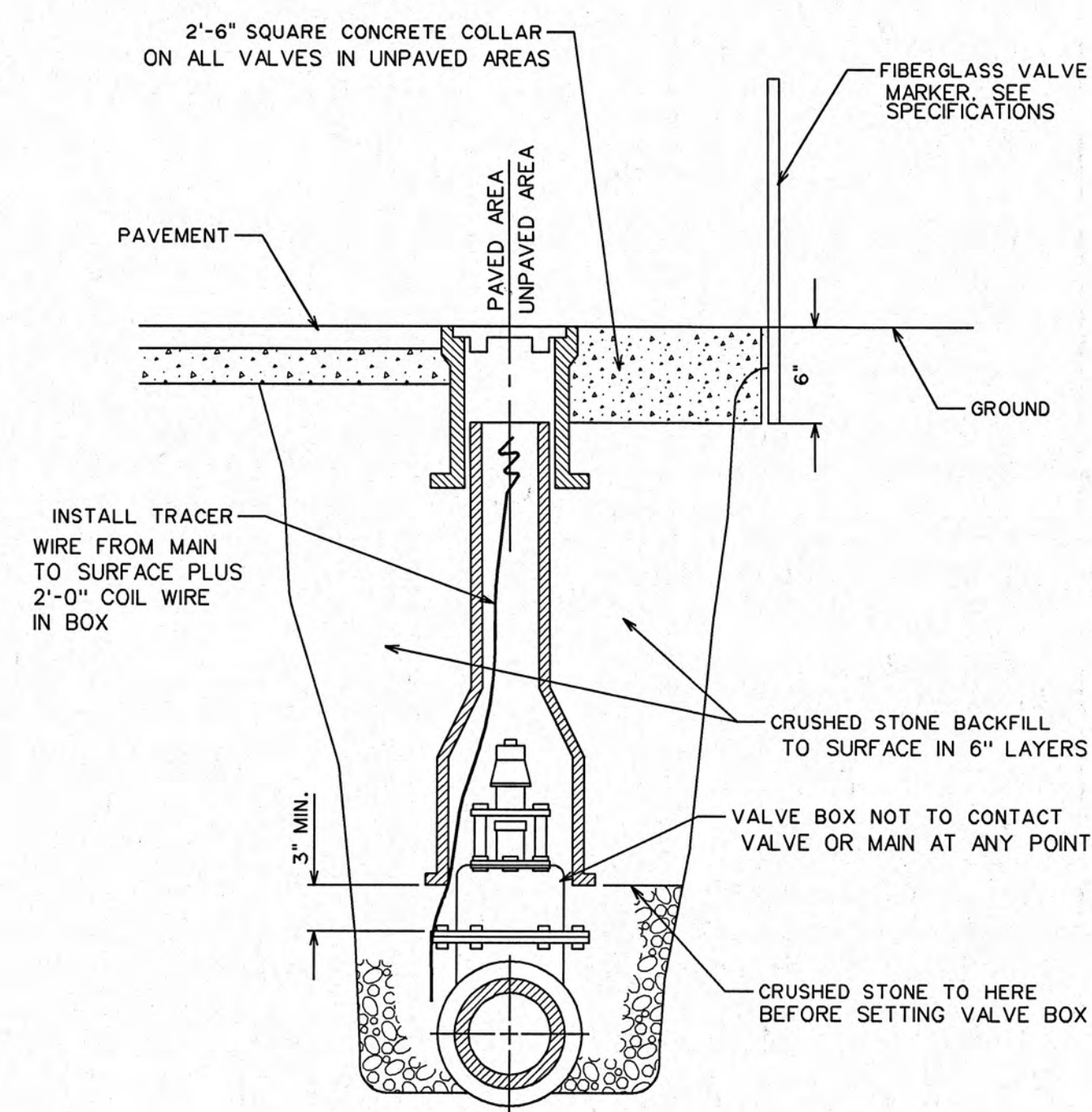
|               |              |                |                   |                    |                      |
|---------------|--------------|----------------|-------------------|--------------------|----------------------|
| DESIGN<br>RNW | DRAWN<br>LLB | CHECKED<br>RNW | DATE<br>JAN. 2006 | SCALE<br>1" = 100' | PROJECT NO.<br>03225 |
|---------------|--------------|----------------|-------------------|--------------------|----------------------|

SHEET  
1  
36 SE

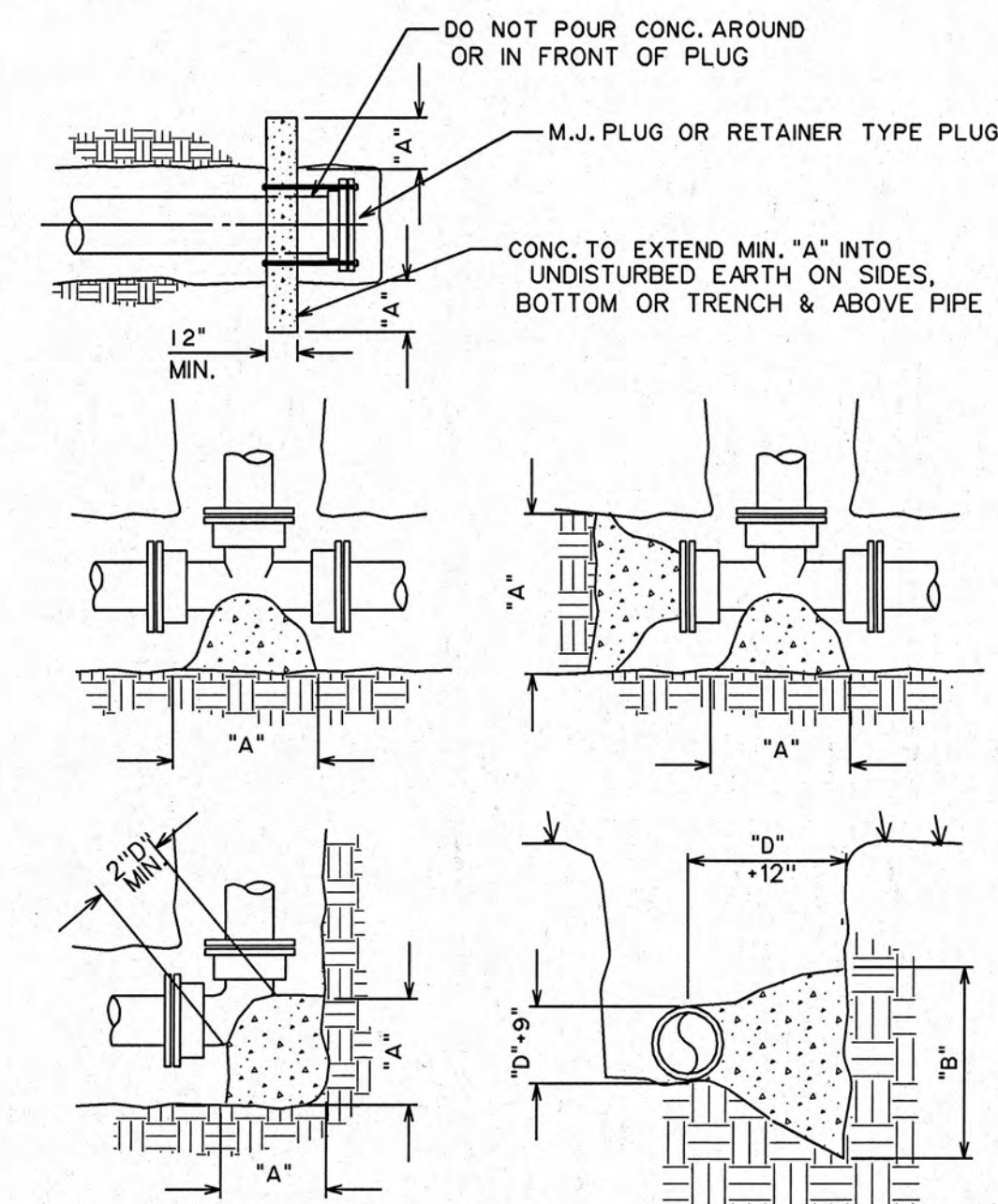


- NOTES:
1. NO. 17 CRUSHED STONE TO BE PROVIDED FOR METER SUPPORT IF PLASTIC SERVICE LINE IS USED.
  2. SERVICE LINE TO RUN FROM MAIN TO METER BOX ALONG THE SHORTEST, MOST DIRECT ROUTE POSSIBLE UNLESS OTHERWISE DIRECTED BY RESIDENT INSPECTOR.
  3. SERVICE LINE TO BE CONTINUOUS FROM MAIN LINE TO METER YOKE WITHOUT COUPLINGS.

TYPICAL SERVICE CONNECTION

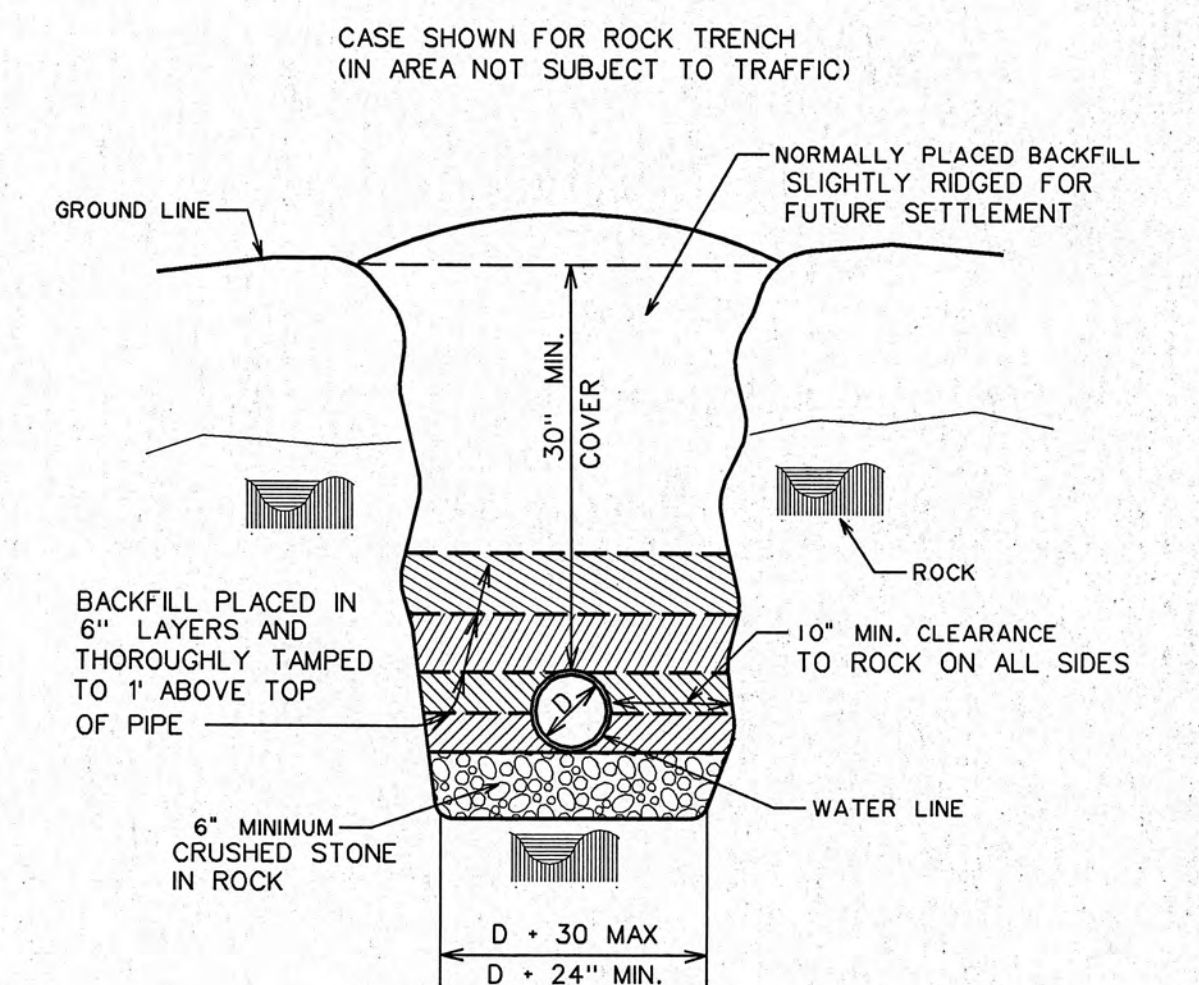


TYPICAL VALVE BOX SETTING

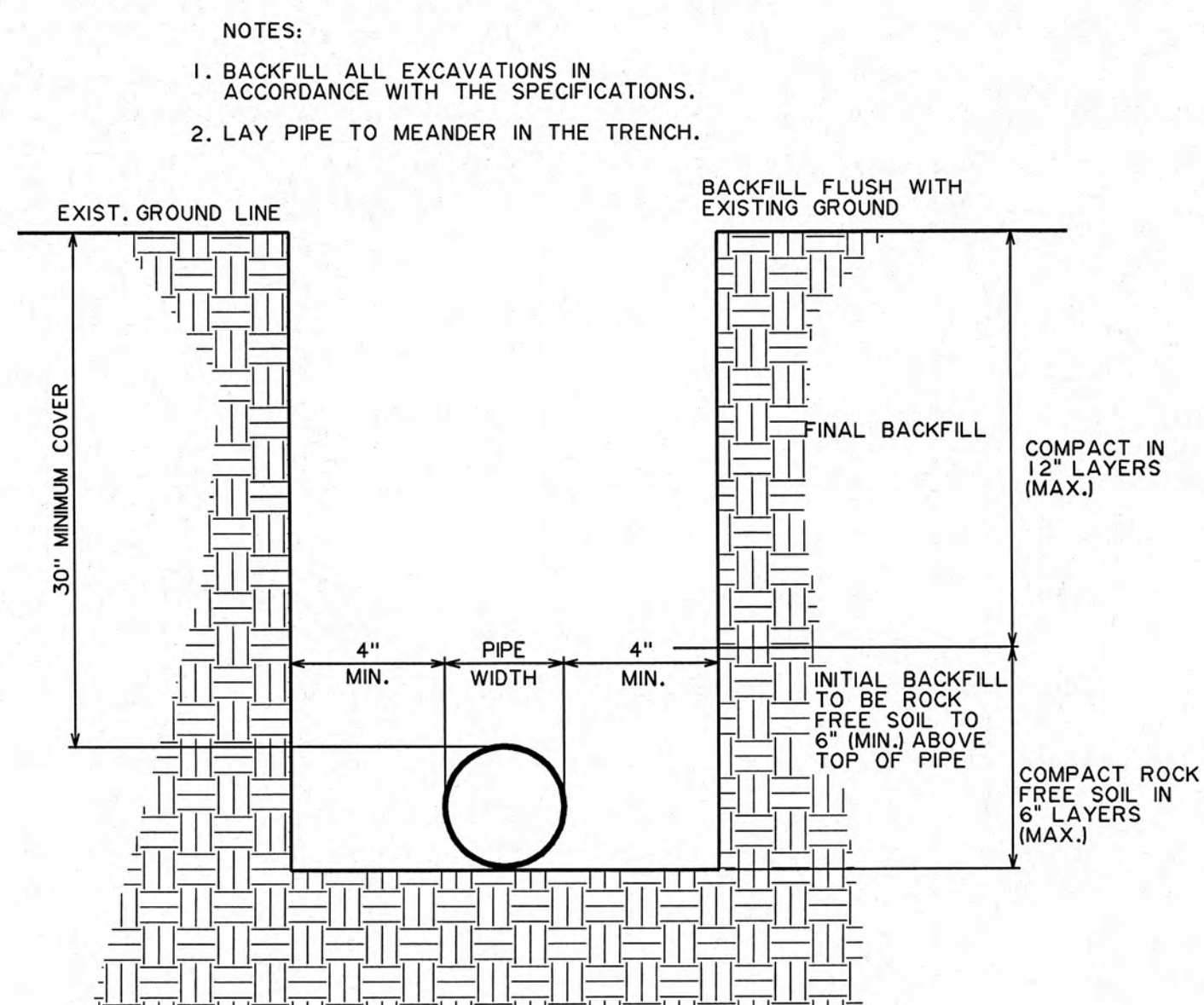


| PIPE SIZE   | 90° BEND |       | 45° BEND |       | 22 1/2° BEND |       | TEE    |       | DEAD END |       |
|-------------|----------|-------|----------|-------|--------------|-------|--------|-------|----------|-------|
|             | A        | B     | A        | B     | A            | B     | A      | B     | A        | B     |
| 6" OR UNDER | 2'-0"    | 2'-0" | 1'-6"    | 1'-6" | 1'-6"        | 1'-6" | 2'-0"  | 2'-0" | 1'-6"    | 1'-6" |
| 8"          | 2'-3"    | 2'-3" | 1'-9"    | 1'-9" | 1'-9"        | 1'-9" | 2'-6"  | 2'-6" | 2'-0"    | 2'-0" |
| 10"         | 2'-6"    | 2'-6" | 2'-0"    | 2'-0" | 2'-0"        | 2'-0" | 3'-0"  | 3'-0" | 2'-4"    | 2'-4" |
| 12"         | 3'-6"    | 3'-0" | 2'-6"    | 2'-6" | 2'-3"        | 2'-3" | 4'-0"  | 3'-6" | 2'-9"    | 2'-9" |
| 16"         | 4'-0"    | 4'-0" | 3'-0"    | 3'-0" | 2'-6"        | 2'-6" | 5'-6"  | 4'-0" | 4'-0"    | 3'-0" |
| 20"         | 5'-6"    | 4'-6" | 4'-0"    | 3'-6" | 3'-0"        | 3'-0" | 6'-6"  | 5'-0" | 5'-0"    | 3'-6" |
| 24"         | 7'-0"    | 5'-0" | 5'-0"    | 4'-0" | 3'-6"        | 3'-6" | 8'-0"  | 6'-0" | 6'-0"    | 4'-0" |
| 30"         | 9'-0"    | 6'-0" | 6'-6"    | 4'-6" | 4'-0"        | 4'-0" | 12'-0" | 6'-0" | 7'-9"    | 5'-0" |

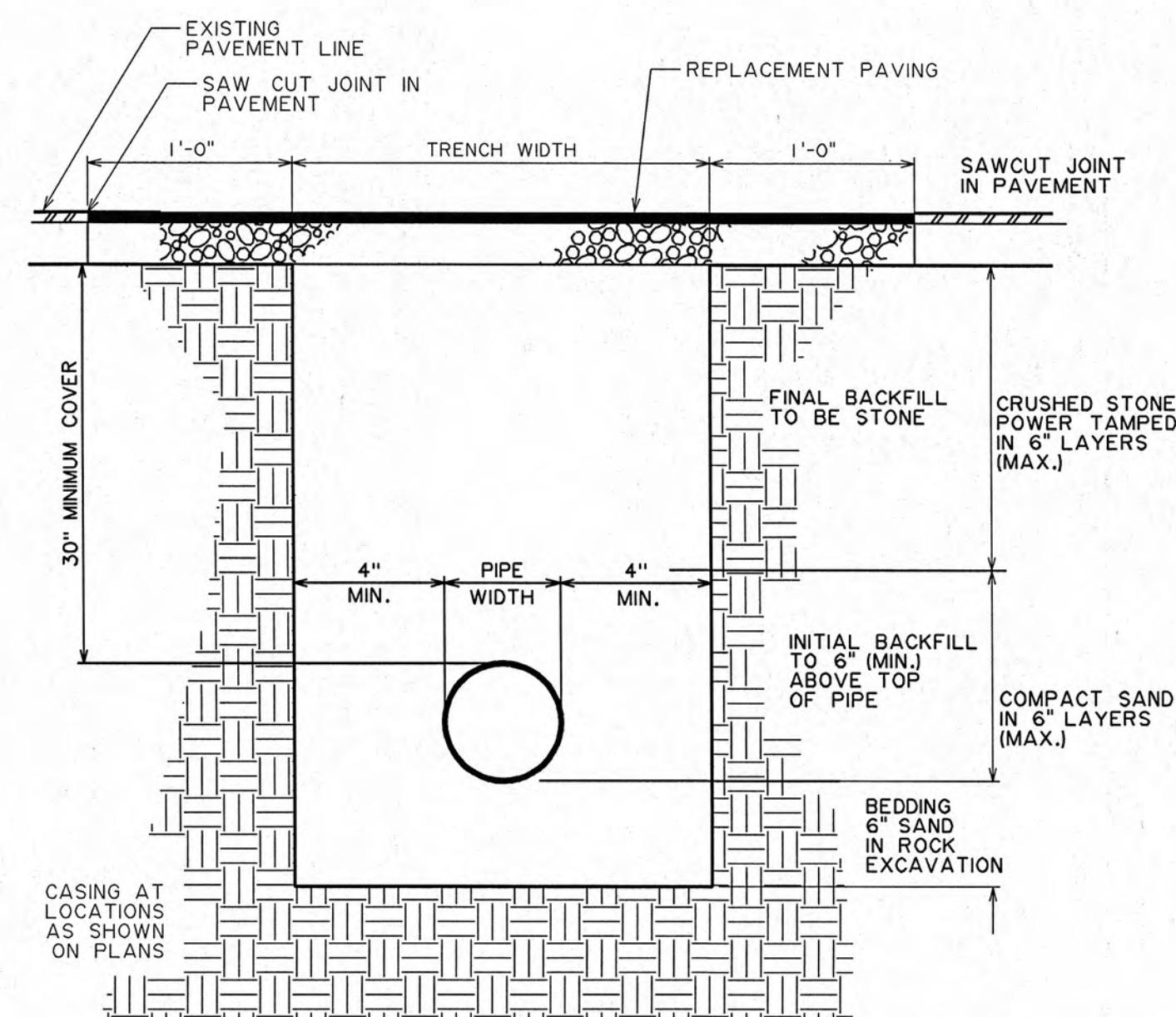
CONC. THRUST BLOCK (BRACE)



TYPICAL TRENCH SECTION

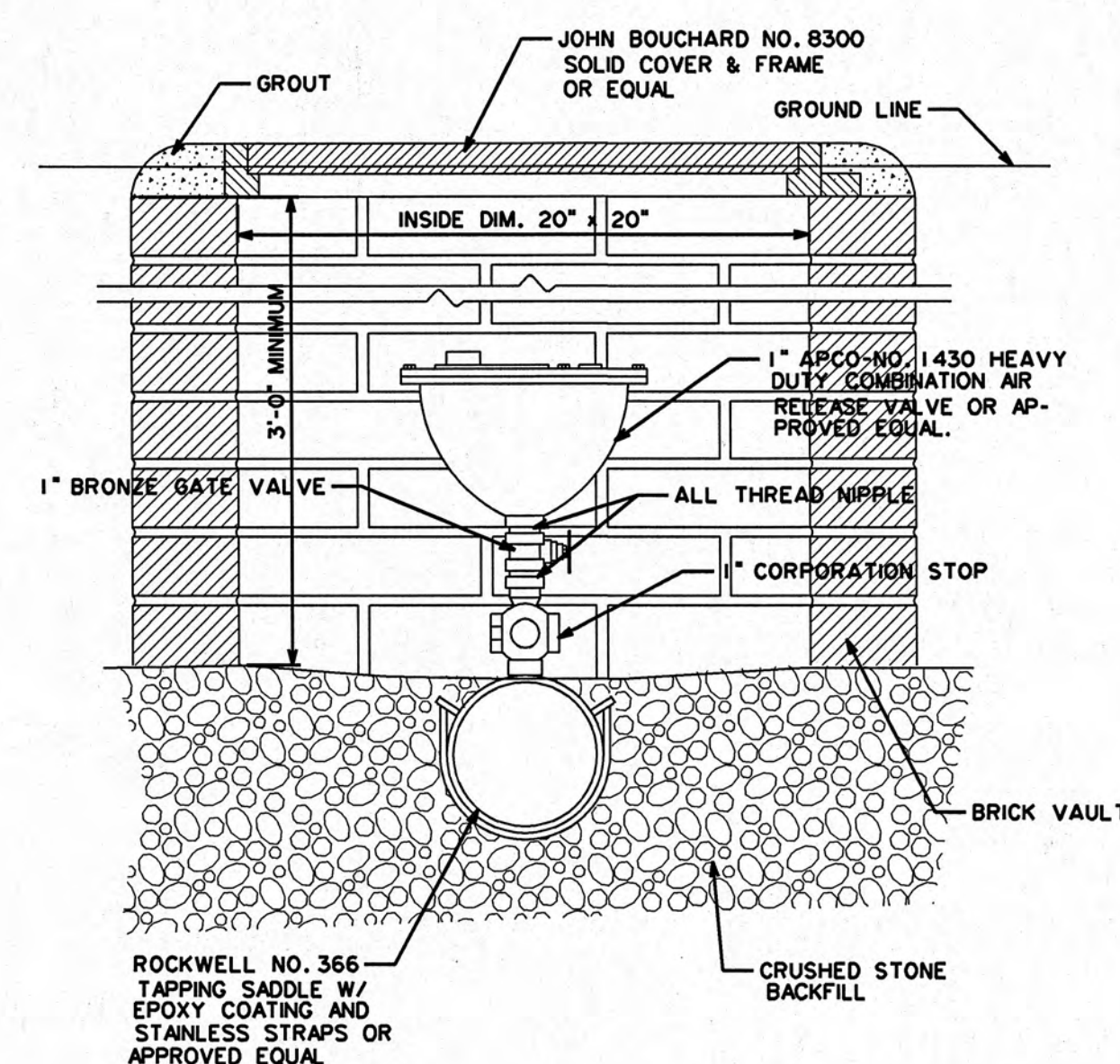


TYPICAL TRENCH SECTION IN SOIL EXCAVATION



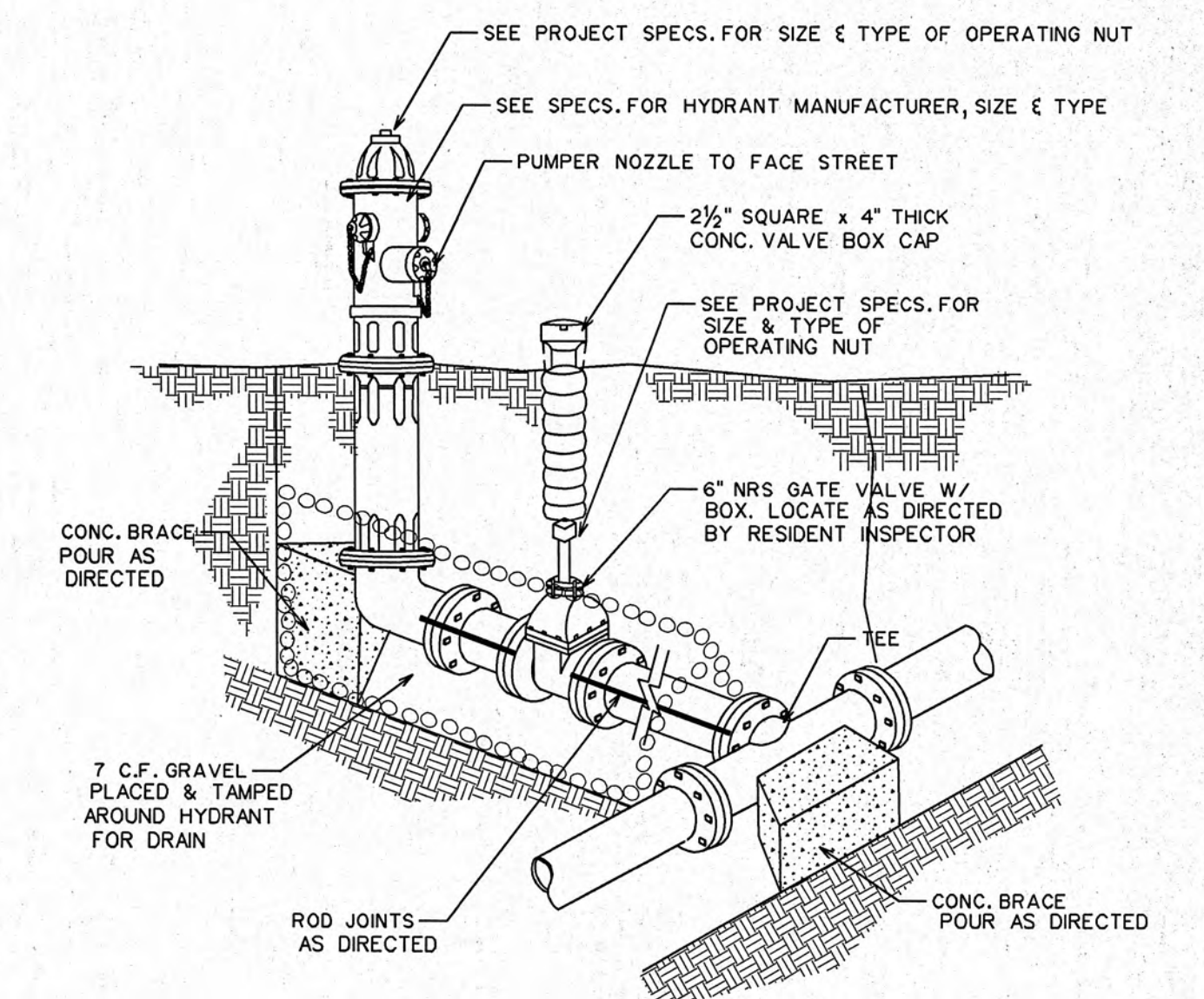
- NOTES:
1. CRUSHED STONE DRIVES SHALL BE PREPARED IN ACCORDANCE WITH THIS DETAIL EXCEPT THAT THE REPLACEMENT PAVING SHALL BE DELETED.
  2. WHEN CASING IS REQUIRED, THE PIPE WIDTH AND MINIMUM COVER SHALL REFER TO THE CASING DIAMETER.

TYPICAL TRENCH SECTION UNDER PAVEMENT

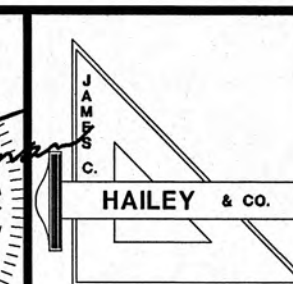
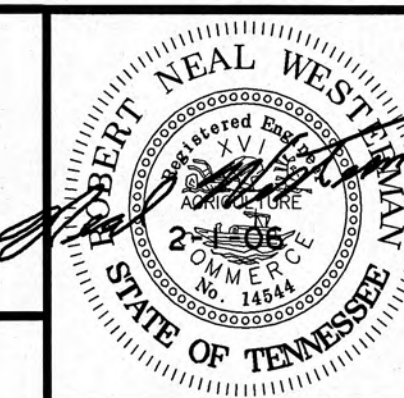


NOTE:  
ALL FITTINGS AND VALVES TO BE BRASS

AIR RELEASE VALVE ASSEMBLY



TYPICAL FIRE HYDRANT INSTALLATION



HARRIMAN UTILITY BOARD  
Roane County, Tennessee

DESIGN: RNW  
DRAWN: LLB  
CHECKED: RNW

STANDARD WATER DETAILS

DATE: FEB. 2006  
SCALE: NONE  
PROJECT NO.: 03225

SHEET

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