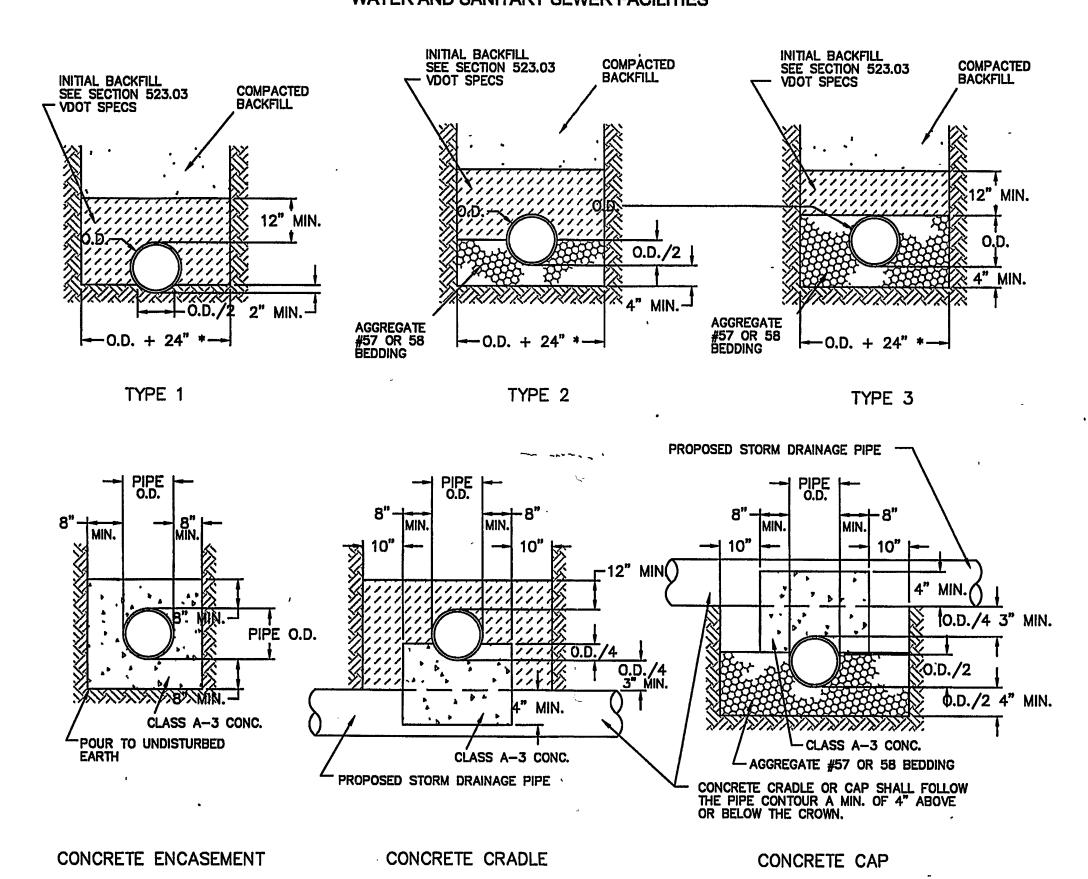


## UTILITY BEDDING AND PROTECTION WATER AND SANITARY SEWER FACILITIES



2. WHERE PIPE FOUNDATIONS ARE YIELDING, PIPE SHALL BE BEDDED ON A MINIMUM OF 8" BEDDING

\* FOR PIPE LESS THAN 12"
THE TRENCH WIDTH MAY
BE 36" MAXIMUM.

## FIRE HYDRANT NOTES

- HYDRANTS SHALL BE TRAFFIC MODEL, DRY-BARREL TYPE, MEETING AWWA C502 LATEST REVISION STANDARD; AFC MODEL B-84-B, AVK MODEL 2780, MUELLER CENTURION A423, KENNEDY K81D OR APPROVED EQUAL.
- 2. HYDRANTS SHALL BE OF COMPRESSION TYPE WITH MAIN VALVE OPENINGS NOT LESS THAN FOUR AND ONE-HALF INCHES (4-1/2") IN DIAMETER. HYDRANTS SHALL HAVE CAST OR DUCTILE IRON BODY WITH FULL, BRONZE TRIM, AND SHALL WITHSTAND A HYDROSTATIC TEST PRESSURE OF 300 PSI. HYDRANTS SHALL HAVE A SIX-INCH (6") CONNECTION BASE FOR SETTING WITH A MINIMUM OF THIRTY-SIX INCH (36") COVER ON CONNECTION PIPE. HYDRANTS SHALL BE EQUIPPED WITH JOSE **CONNECTIONS AS FOLLOWS:**

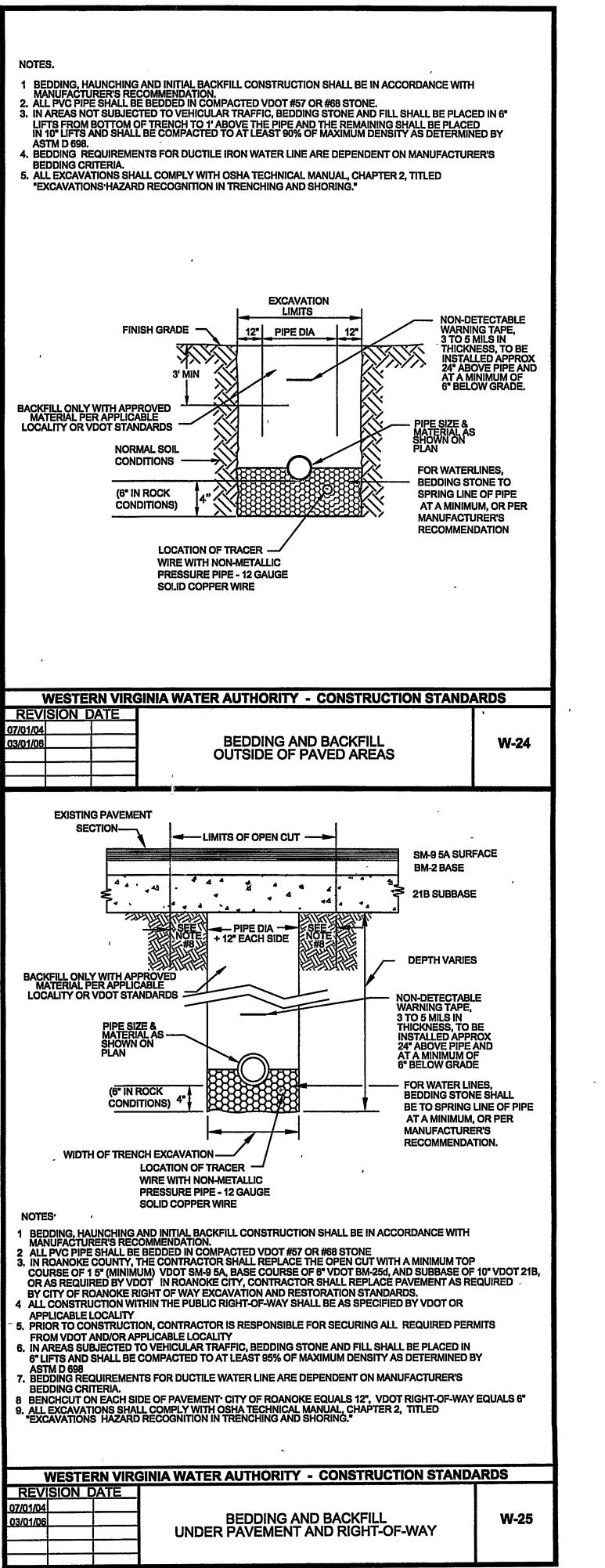
TWO EACH 2-1/2", N.S.T. HOSE CONNECTIONS ONE EACH 4-1/2", N.S.T. PUMPER CONNECTIONS

1. WHERE THE TRENCH BOTTOM IS IN ROCK, I'

BACKFIELD WITH BEDDING MATERIAL

SHALL BE EXCAVATED TO A MINIMUM OF 8"
BELOW THE BOTTOM OF THE PIPE AND

- 3. HYDRANT SHALL BE OPERATED BY A NATIONAL STANDARD 1-1/2 INCH (1-1/2") PENTAGON SHAPED, OPERATING NUT, OPENING COUNTERCLOCKWISE DIRECTION OF OPENING SHALL BE CLEARLY MARKED BY AN ARROW CAST ON OUTSIDE OF HYDRANT. HYDRANTS SHALL BE CONNECTED TO THE MAIN WITH A SIX-INCH (6") PIPE AND SHALL BE CONTROLLED BY AN INDEPENDENT SIX-INCH (6") GATE VALVE SIX-INCH (6") GATE VALVE SHALL BE LOCATED AS NEAR TO SERVICE MAIN AS PRACTICAL, AND CONNECTED TO THE TEE WITH TIE RODS. A GRAVEL DRY WELL SHALL BE PROVIDED FOR HYDRANT DRAIN. ALL HYDRANTS SHALL BE INSTALLED ABOVE THE WATER TABLE. ANY HYDRANTS SCHEDULED TO BE INSTALLED BELOW THE WATER TABLE SHALL HAVE THE HYDRANT DRAIN PLUGGED OR BE RELOCATED AS DIRECTED BY THE ENGINEER.
- 4. ALL HYDRANT BARRELS SHALL BE PAINTED SILVER AND THE BONNET OF THE HYDRANT PAINTED WITH RED REFLECTIVE PAINT. (FIRE MARSHALL WILL COLOR CODE CAPS AFTER FLOW TESTING).



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REVISIONS 1\AUGUST 10. 2009 PER VDH COMMENTS

APPROVED UCT 15 2009

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DESIGNED BY RMH CHECKED BY

> AS SHOWN JULY 29, 2009 B09134B-02