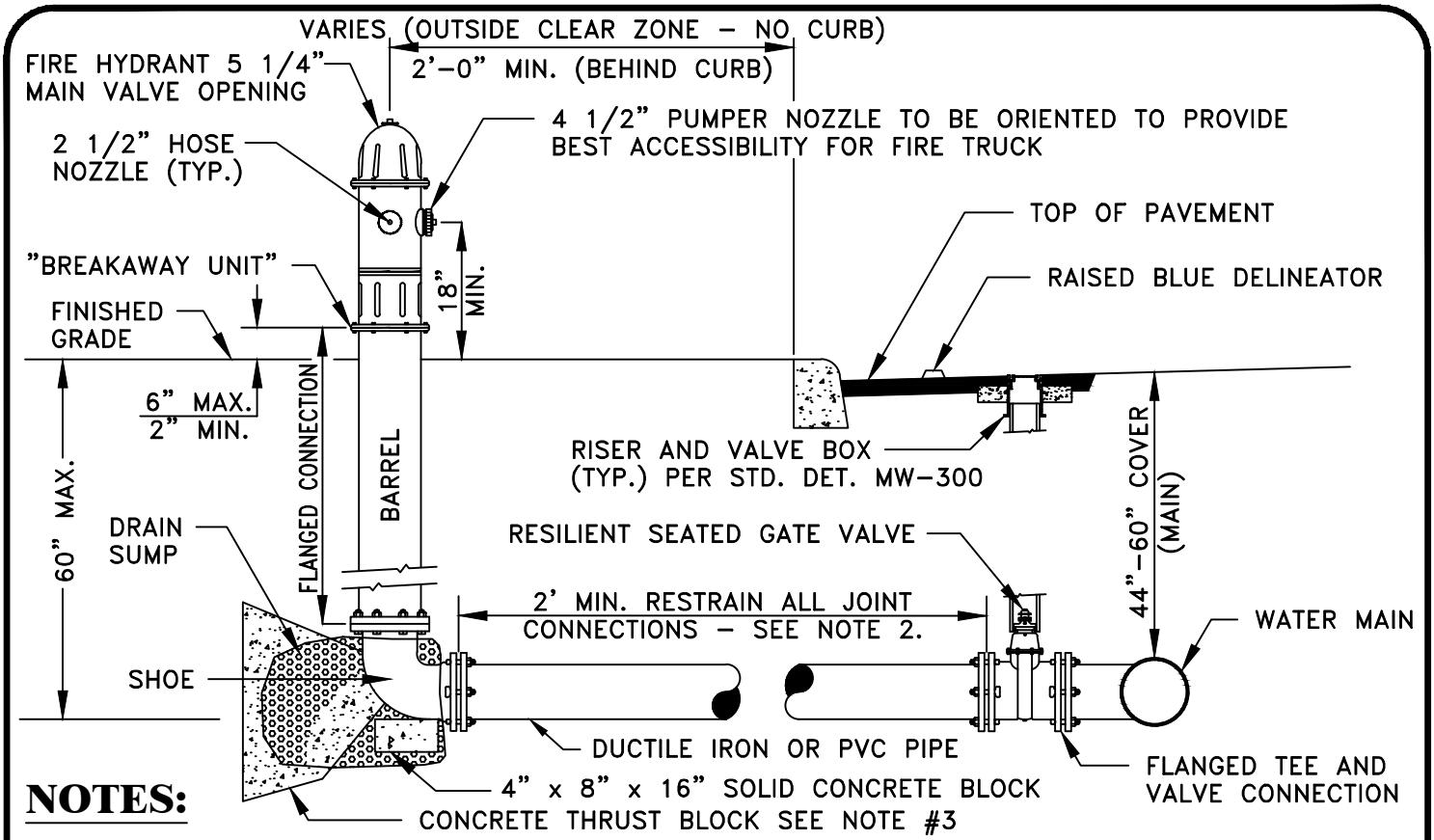

NOTES:

1. HYDRANT SHOE SHALL BE A MECHANICAL JOINT FITTING.
2. ALL MECHANICALLY RESTRAINED JOINT CONNECTIONS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 1406 AND SHALL EXTEND FROM WATER MAIN TEE TO HYDRANT SHOE.
3. CONCRETE THRUST BLOCK PER TUCSON WATER SD–610 SHALL ONLY BE USED FOR EXTENDING EXISTING PIPE, WHICH IS NOT MECHANICALLY RESTRAINED, BETWEEN THE SHOE AND THE MAIN TEE.
4. A MINIMUM OF 8 CU. FT. OF ¾" GRAVEL CRUSHED ROCK SHALL BE PROVIDED FOR DRAIN SUMP. DRAIN SUMP SHALL BE A MINIMUM OF 3'–0" IN DIAMETER. COVER DRAIN HOLES WITH DRAIN SUMP MATERIAL.
5. HYDRANT LATERALS GREATER THAN 40 FEET IN LENGTH SHALL REQUIRE A GATE VALVE AT THE TEE AND WITHIN 10 FEET OF THE HYDRANT.
6. FOR WATER MAINS AT DEPTHS GREATER THAN 60 INCHES, THE ELEVATION OF THE BOTTOM OF THE HYDRANT SHOE SHALL BE ADJUSTED TO A DEPTH NO GREATER THAN 54 INCHES BY THE INSTALLATION OF FITTING AFTER THE TEE AND GATE VALVE.
7. ALL FIRE HYDRANTS SHALL BE FURNISHED WITH A 'CUSTODIAN' MODEL HYDRANT LOCKING MECHANISM BY HYDRA SHIELD. LOCKING MECHANISMS SHALL BE GIVEN TO THE PROJECT INSPECTOR FOR INSTALLATION BY MDWID STAFF.
8. REFER TO TUCSON WATER SD–500, SHEET 4 FOR STUB OUT TO BE USED FOR FUTURE FIRE HYDRANT INSTALLATION.
9. THIS DETAIL REPLACES TUCSON WATER SD–500, SHEET 1 OF 8 ONLY.

METRO WATER DISTRICT

FIRE HYDRANT INSTALLATION

ISSUED: 01/99 SCALE: N.T.S.
REVISED: 06/2016

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