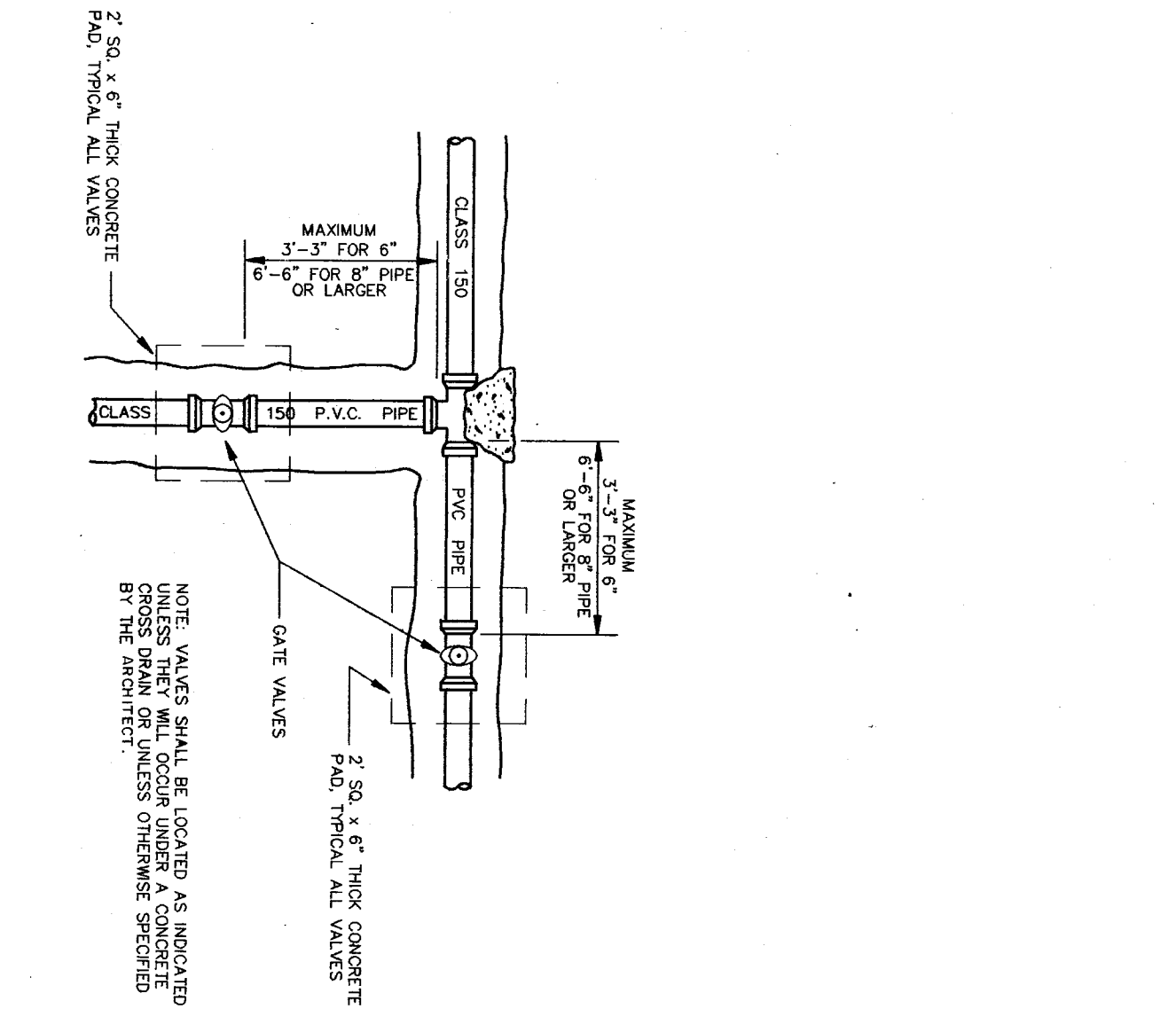




9. STORM DRAIN PIPE.
- UNLESS OTHERWISE SPECIFIED ON THESE PLANS, THE STORM DRAIN PIPE SHALL BE ONE OF THE FOLLOWING:
- A. REINFORCED CONCRETE PIPE (R.C.P.). REINFORCED CONCRETE PIPE SHALL CONFORM TO ASTM C-115, "STANDARD SPECIFICATION FOR R.C.P. PIPE", AND THE JOINTS SHALL BE RUBBER GASKETED IN CONFORMANCE WITH THE PROVISIONS OF SECTION 631.06 OF THE STANDARD SPECIFICATIONS.
- CEMENT MORTAR JOINTS SHALL ONLY BE USED WHEN THE PIPE INVERT ELEVATION IS HIGHER THAN ONE HALF THE DRAINAGE SWALE DESIGN WATER SURFACE DEPTH ELEVATION.
- WHERE CLASS II, REINFORCED CONCRETE PIPE IS REQUIRED, THE REINFORCED CONCRETE PIPE SHALL BE CAST-IN-PLACE MONOLITHIC CONCRETE PIPE CONFORMING TO THE REQUIREMENTS OF SECTION 63.02.A, "CIRCULAR REINFORCED CONCRETE PIPE," OF THE STANDARD SPECIFICATIONS. CONCRETE PIPE SHALL BE LAID IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 63 OF THE STANDARD SPECIFICATIONS.
- IN ADDITION TO THE ABOVE REQUIREMENTS, ALL RUBBER GASKETED JOINT AFTER THE JOINT GASKETS HAVE BEEN INSPECTED AND FOUND TO BE SATISFACTORY SHALL BE PROPERLY LOCATED AND SECTED. IMPROPERLY MADE JOINTS SHALL BE PULLED APART AND SATISFACTORILY REPAID.
- B. CAST-IN-PLACE CONCRETE PIPE. CAST-IN-PLACE MONOLITHIC CONCRETE PIPE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 63 OF THE STANDARD SPECIFICATIONS.
- C. POLYVINYL CHLORIDE (P.V.C.) DRAIN PIPE
- 1) SHALL DRAINAGE P.V.C. PIPE SHALL BE IN ACCORDANCE WITH UN-BELL STANDARD UN-B-4 AND ASTM D 3035, "STANDARD SPECIFICATION FOR BELL, STANDARD UN-B-4 AND ASTM D 3035, "STANDARD SPECIFICATION FOR BELL, STANDARD UN-B-4 SHALL COMPLY WITH UN-BELL STANDARD UN-B-4 AND ASTM D 3212.
- 2) LARGE DRAINAGE P.V.C. PIPE SHALL CONFORM TO UN-BELL STANDARD UN-B-9 AND ASTM F 794 AND SHALL HAVE AN INTERNAL BELL, GASKETED JOINT THAT CONFORMS TO ASTM D-3212 (U-M PERMA-LOC SERIES 4) OR ORKINITY SERIES PIPE (ON APPROVED EQLD).
- ALL P.V.C. PIPE SHALL BE INSTALLED AND BEDDED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH ASTM D 2231, "TEST METHOD FOR UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE.
- USE OF ANY OF THE ABOVE PIPE MATERIALS SHALL FIRST BE APPROVED BY THE ENGINEER PRIOR TO ORDERING.



(PLACE @ ALL GATE VALVES)

