

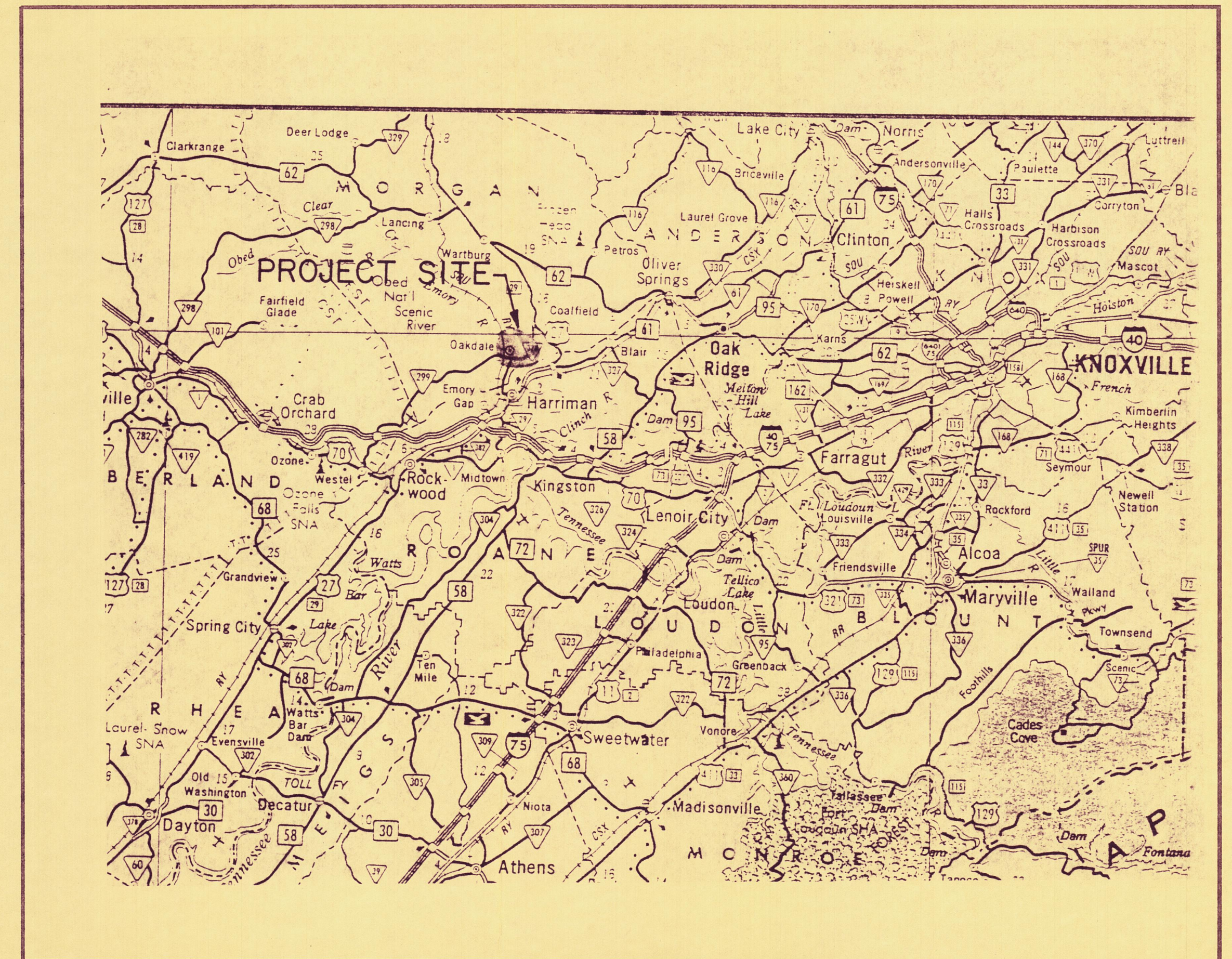
WOLFE BRANCH UTILITY DISTRICT WATER LINE EXTENSIONS BOSWELL CHAPEL TO PINEY

DRAWING INDEX

TITLE

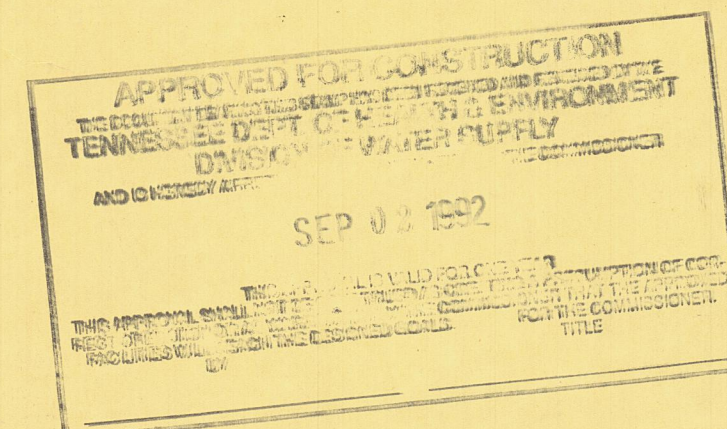
DRAWING NO.

TITLE SHEET	-----	92041-1
WATER LINE PLAN DRAWING	-----	92041-2
WATER LINE PIPING DETAILS	-----	92041-3

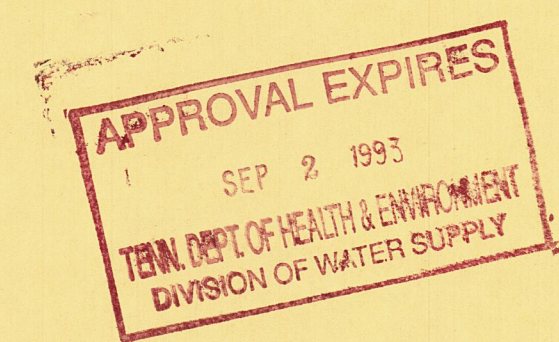


LOCATION MAP

SCALE: 1" = 7 MILES



DW 92 0810



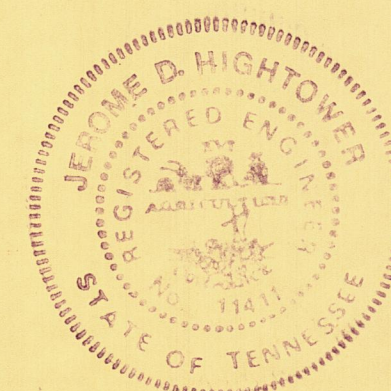
PREPARED BY:



CONSOLIDATED TECHNOLOGIES, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
CHATTANOOGA, TENNESSEE

Jerome D. Hightower
JEROME D. HIGHTOWER, P.E.
TENNESSEE LICENSE NO. 011411

6/30/92
DATE



WOLFE BRANCH UTILITY DISTRICT

HOLLIS EBLE, CHAIRMAN
CLAYTON ISHAM, SECRETARY
MITCHELL JOHNSON, COMMISSIONER
DONALD PAINTER, MANAGER

APPROVED BY WOLFE BRANCH UTILITY DISTRICT

Donald Painter
Donald Painter, Manager

GENERAL NOTES (APPLY TO ALL DRAWINGS)

- 48 Hours prior to construction in each area, the Contractor shall notify appropriate utility companies or their agents, such as:
 - Tennessee One Call: 1-800-351-1111
 - TDOT
 - Norfolk Southern Railroad
- Exact location of existing water lines, culverts, and other utilities is shown as approximate only and may vary.
- The Contractor shall locate all water, gas, telephone, storm drainage, and other underground utilities, before proceeding with any trench excavation for pipe lines so that water lines to be installed may be located with the least conflict with existing utilities as determined by the Engineer.
- Contractor shall immediately repair or replace any existing utility lines which are damaged during construction. Existing water service shall remain uninterrupted during construction.
- Contractor shall reconnect existing service lines to new water lines. Payment will be included in the unit price for installation of service line.
- Existing water lines shall remain in service unless otherwise noted on the drawings or as directed by the Engineer.
- No additional payment shall be allowed for water lines required to be buried deeper than that for normal cover. Payment shall be included in unit price bid for pipe.
- All sod, shrubs, flowers, plantings, walls, driveways, etc., damaged during construction shall be replaced to as near original condition as possible at Contractor's expense. Grassed areas shall be restored to prior conditions in the following manner:
 - Areas less than 3:1 slope shall be reseeded and mulched with grasses or ground cover as outlined in the specifications. Areas greater than 3:1 slope shall be reseeded and mulched with a fabric material as outlined in the specifications. No separate payment shall be made for this work.
 - Where lines cross under curbs, they shall be "tunneled" under the curbs. No separate payment will be allowed for repairing curbs damaged or destroyed during water line construction.
- Unnecessary destruction of trees along water line installation will not be permitted. All reasonable efforts will be made by the Contractor to protect and safeguard trees. Any existing fences, rock walls, guardrails, etc., along the water line right-of-way are to be removed and reinstalled in their original condition (or better). No separate payment will be allowed.
- No separate payment shall be allowed for diversion of water in ditches or creek.
- When blasting for excavation of work, adequate precautions shall be used to prevent damage to surrounding property.
- Class A concrete shall be 4,000 psi minimum strength concrete containing not less than 6.2 sacks of cement per yard of concrete with a 1" maximum aggregate size and a water/cement ratio of not more than 5.5 gallons per sack of cement.
- Class B concrete shall be 3,000 psi minimum strength concrete containing not less than 5.9 sacks of cement per yard of concrete with a 1" maximum aggregate size and a water/cement ratio of not more than 7 gallons per sack of cement.
- Reinforcing steel shall be ASTM A615, Grade 60. Welded wire fabric shall be ASTM A185 with ASTM A82 cold-drawn wire. Submit reinforcing steel shop drawings to Owner.
- Compacted backfill shall be fine, sound, loose earth free from all wood, vegetable matter, debris, and other objectionable material, and having scattered clods, stones, or broken concrete less than 2" maximum dimension. Backfill shall contain optimum moisture content for compaction to 95 percent of maximum density as determined by AASHTO T-99, Method A.
- Install A.R.V.'s at all high points.
- Minimum elevation for use of class 200 PVC on this project is Elevation 1020.

APPROX. SCALE: 1" = 400'



NOTE: ALL PIPE SHALL BE 6" PVC, CLASS 200; EXCEPT SECTIONS OF D.I.P. AS SHOWN.

REV. NO.	RELEASED BY:	DATE	DESCRIPTION OF REVISION
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3			

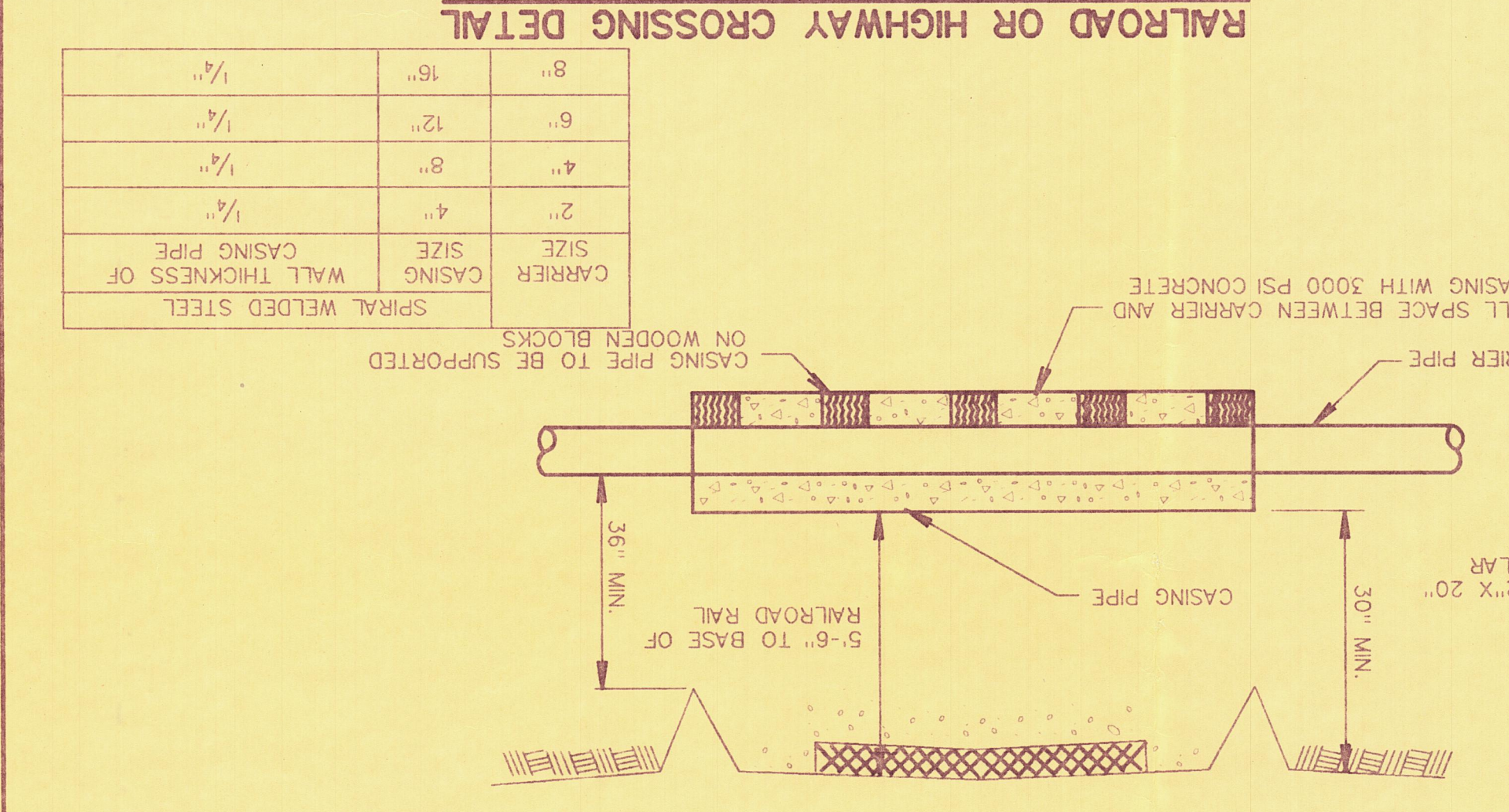
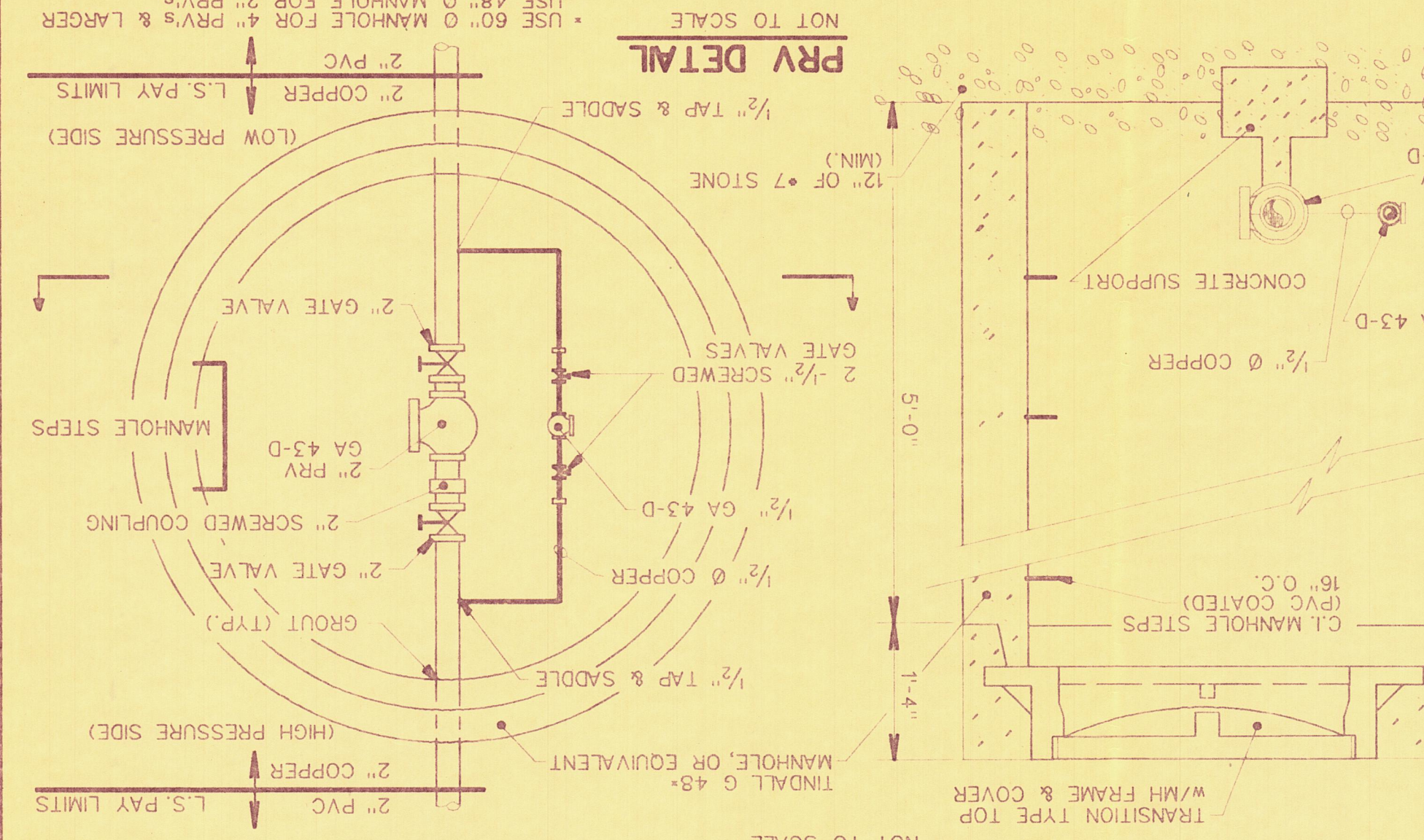
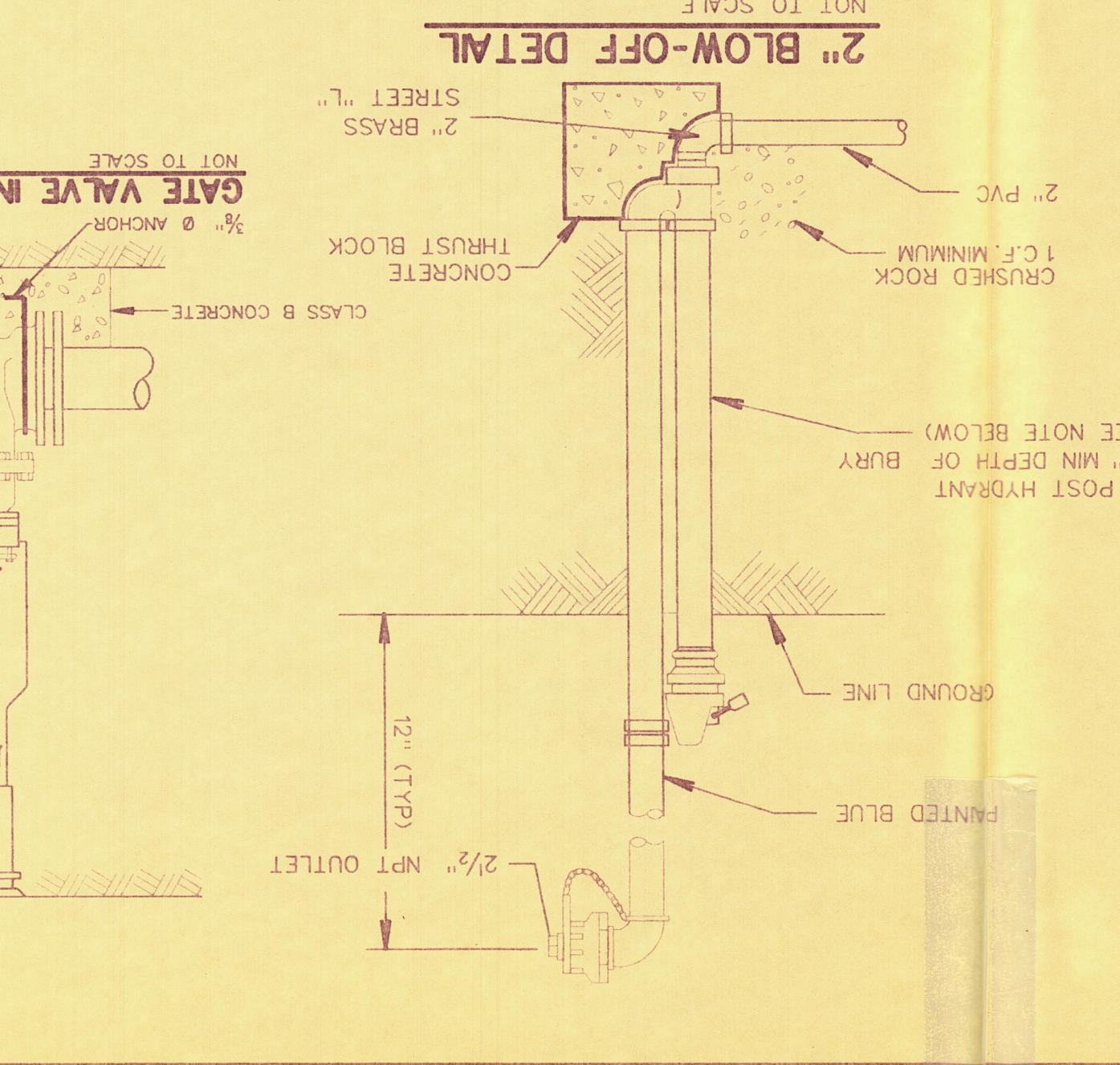
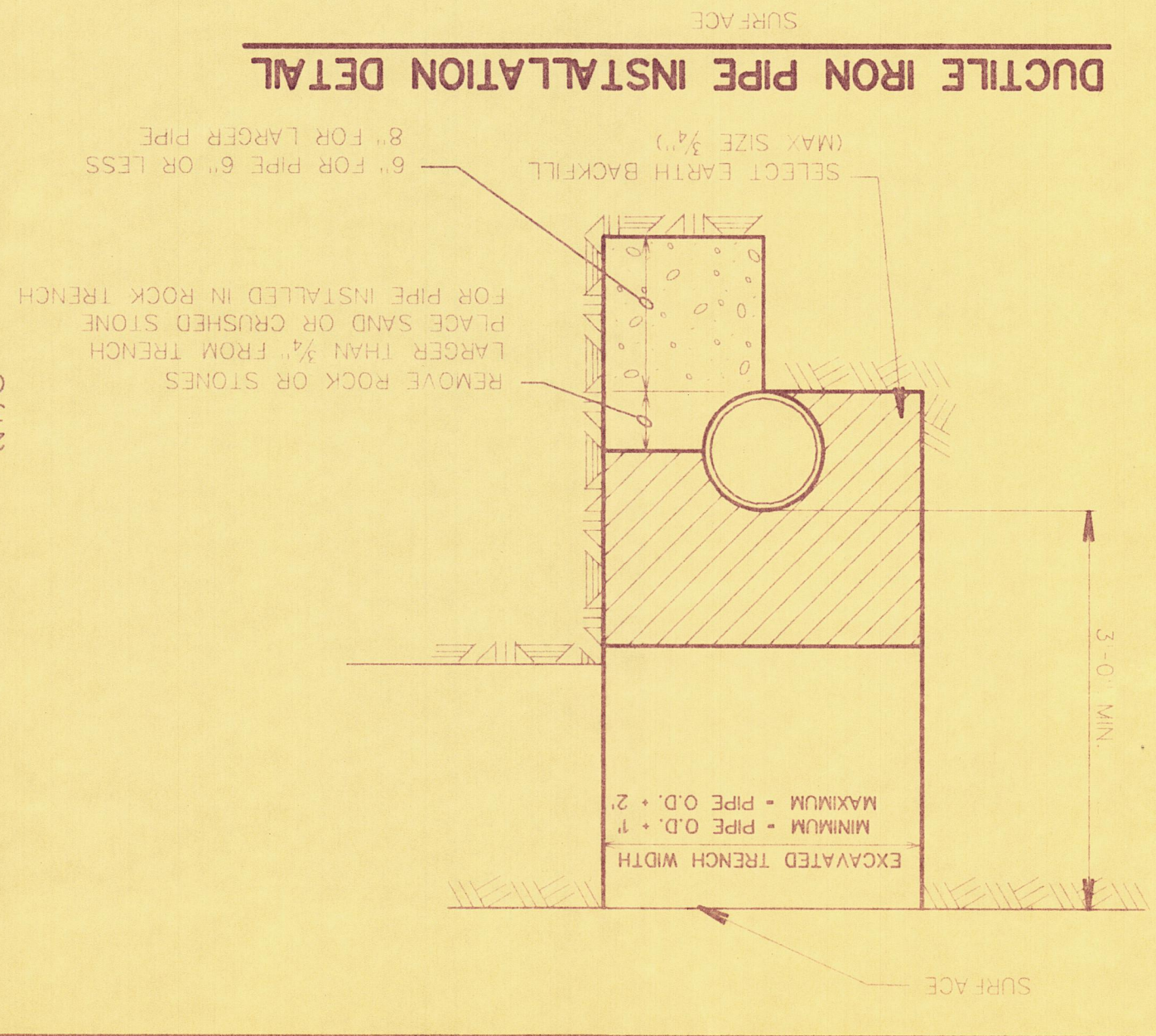
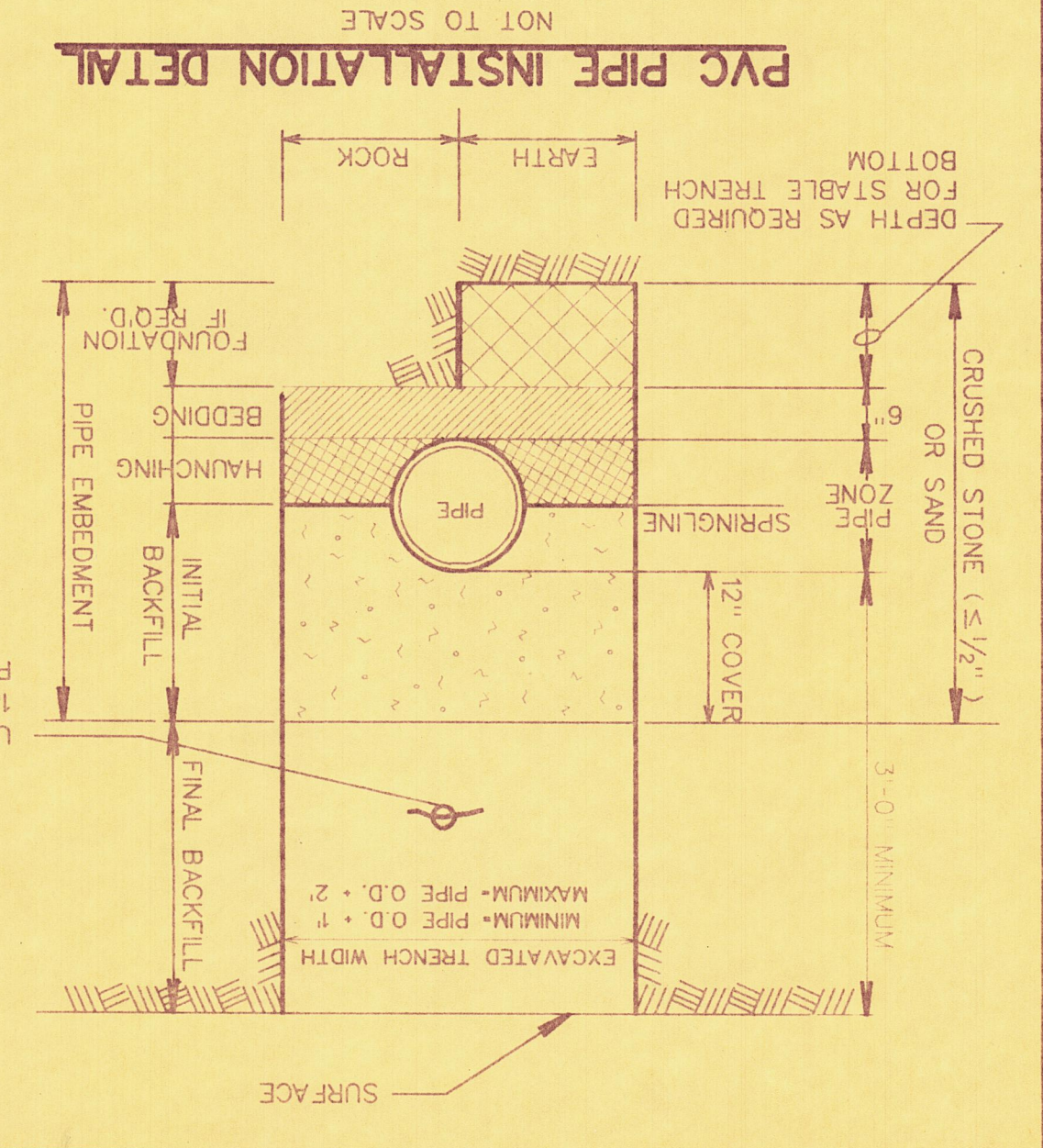
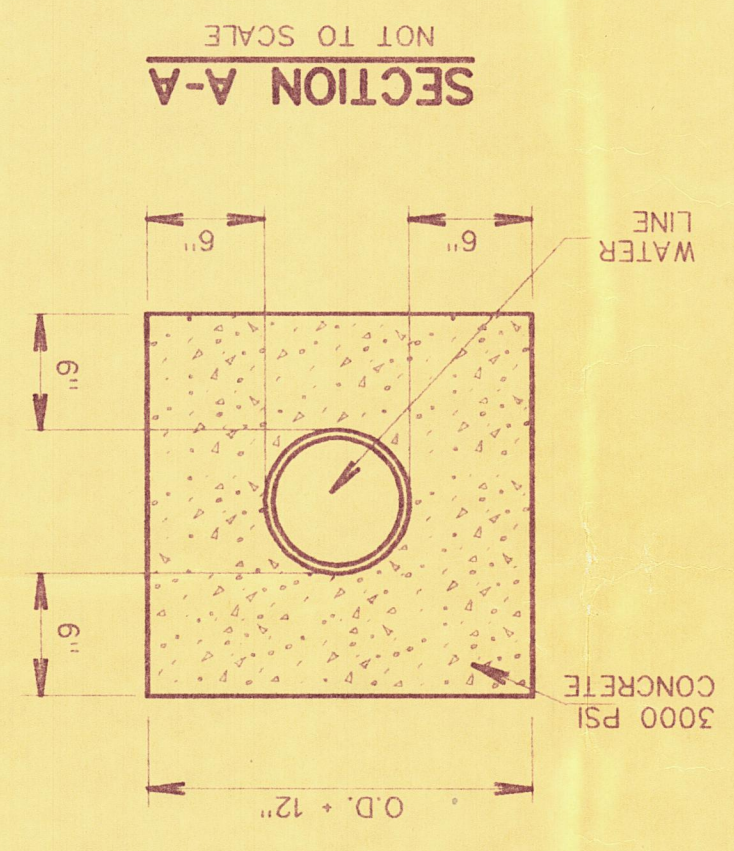
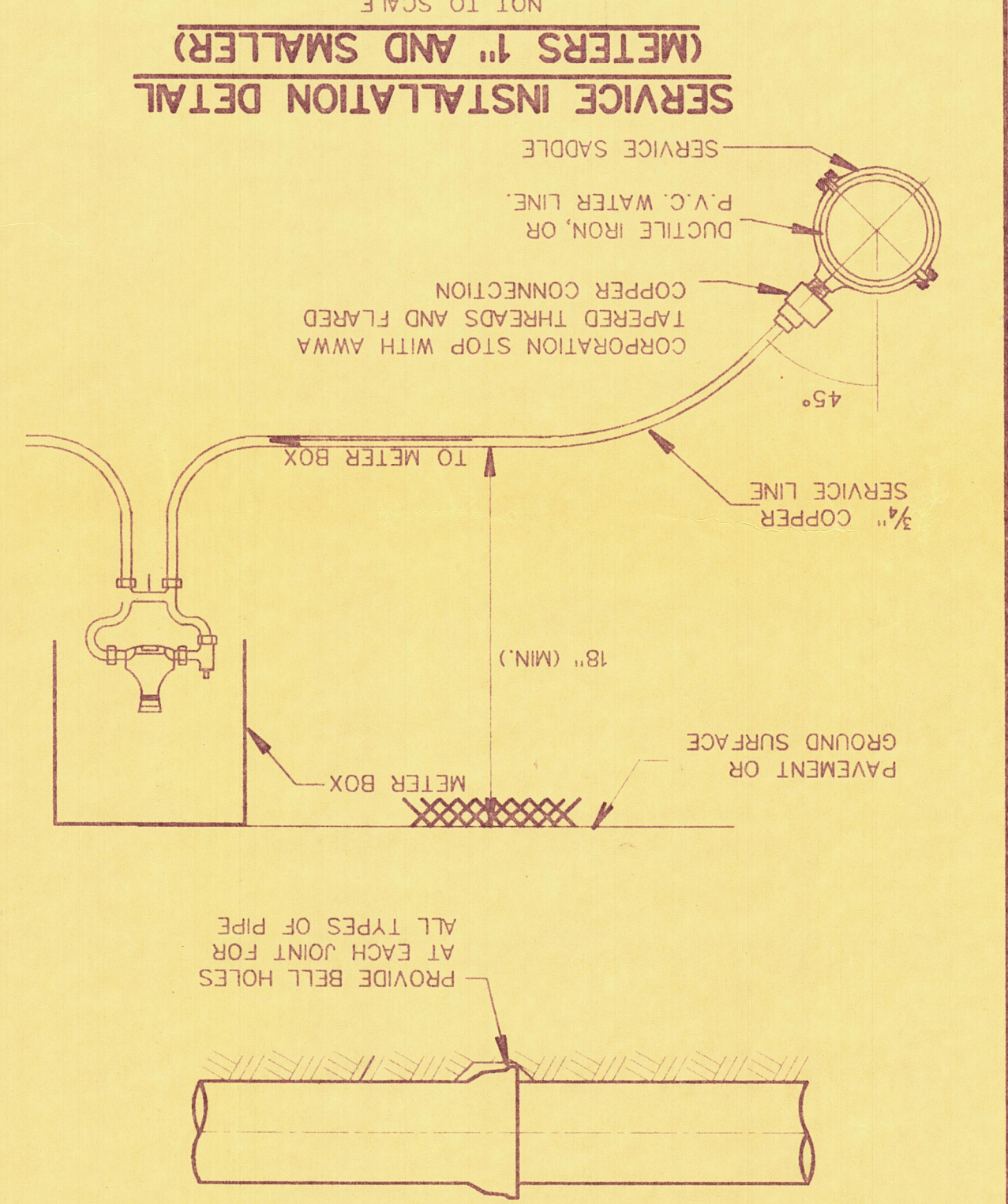
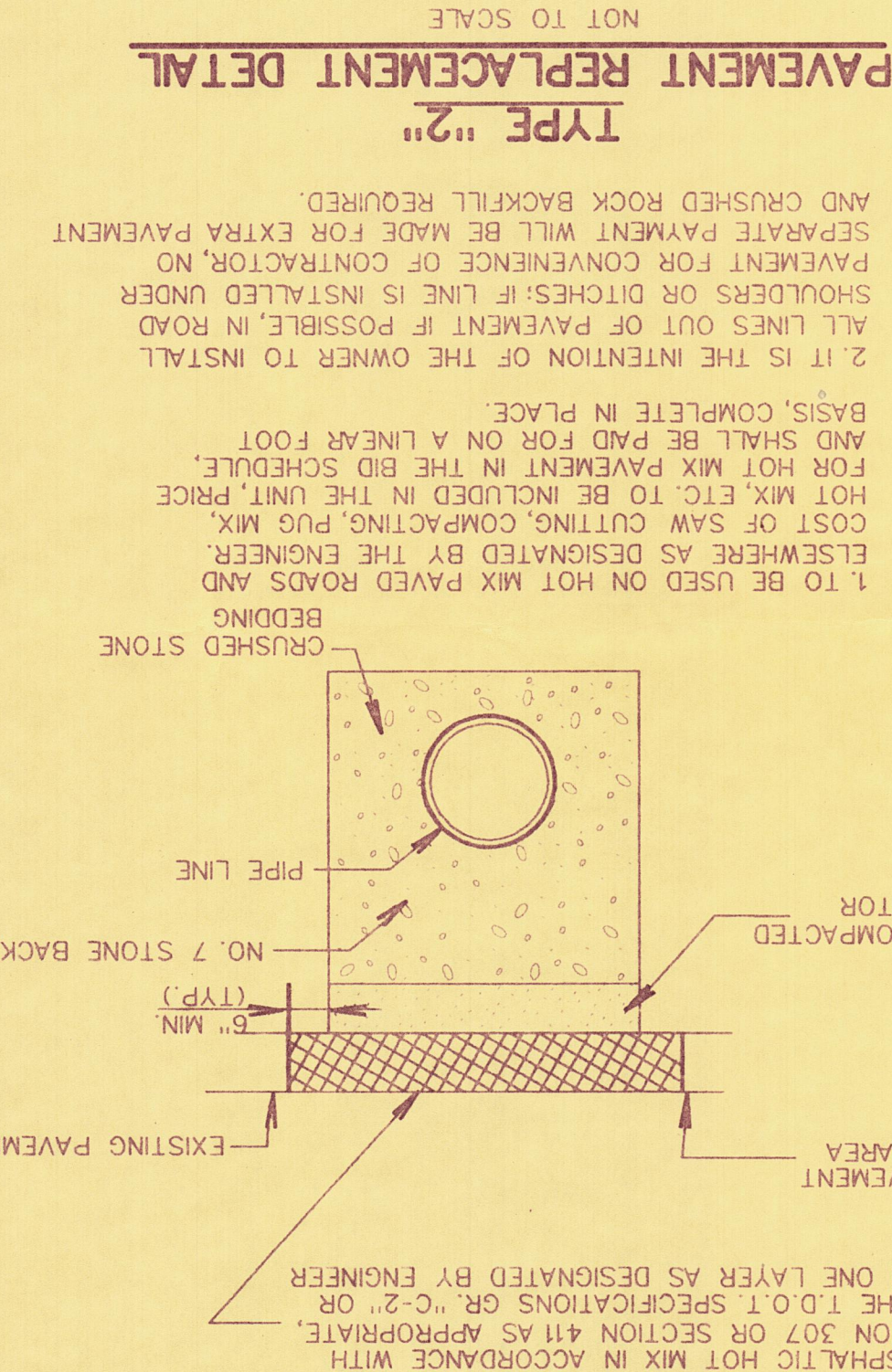
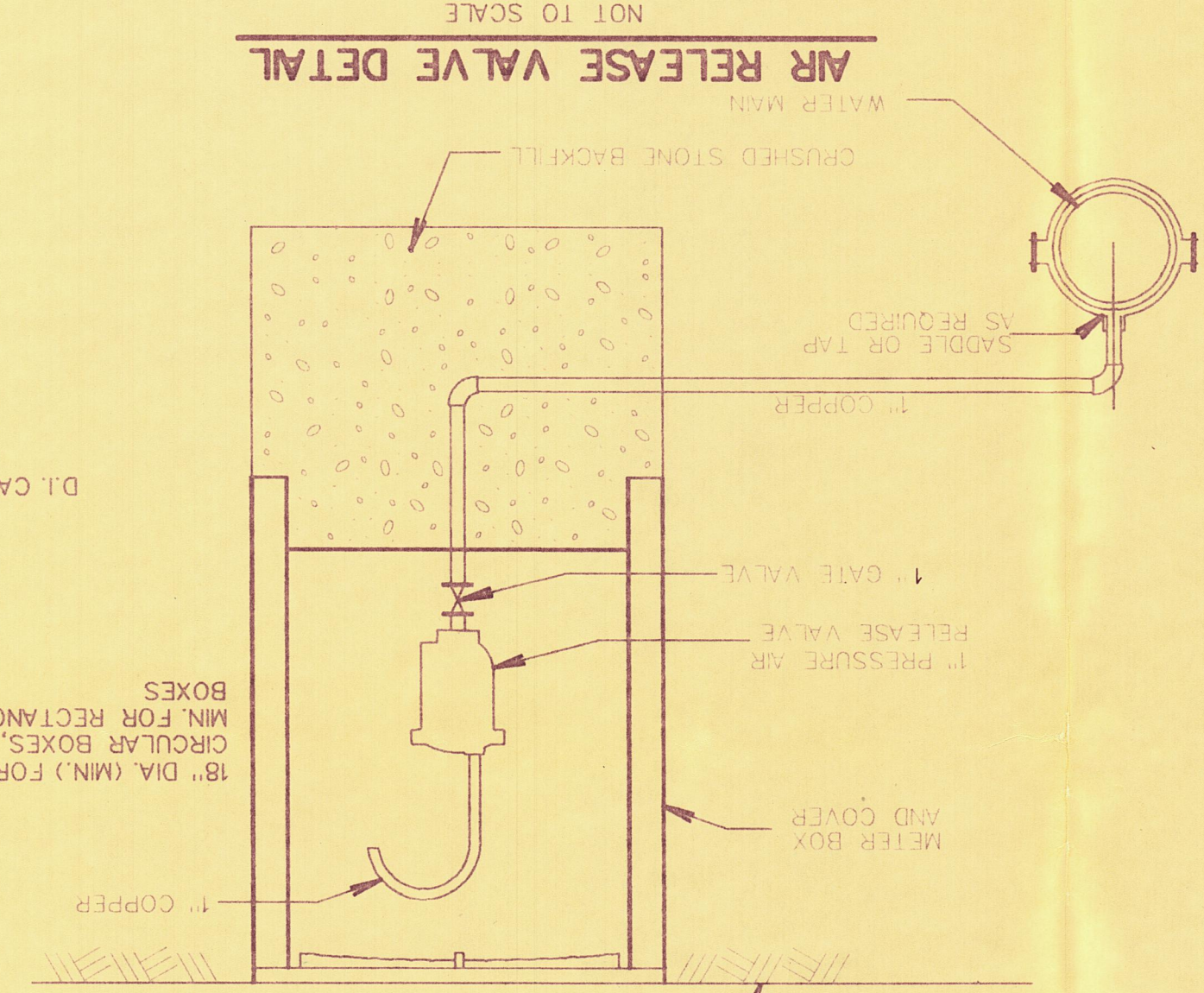
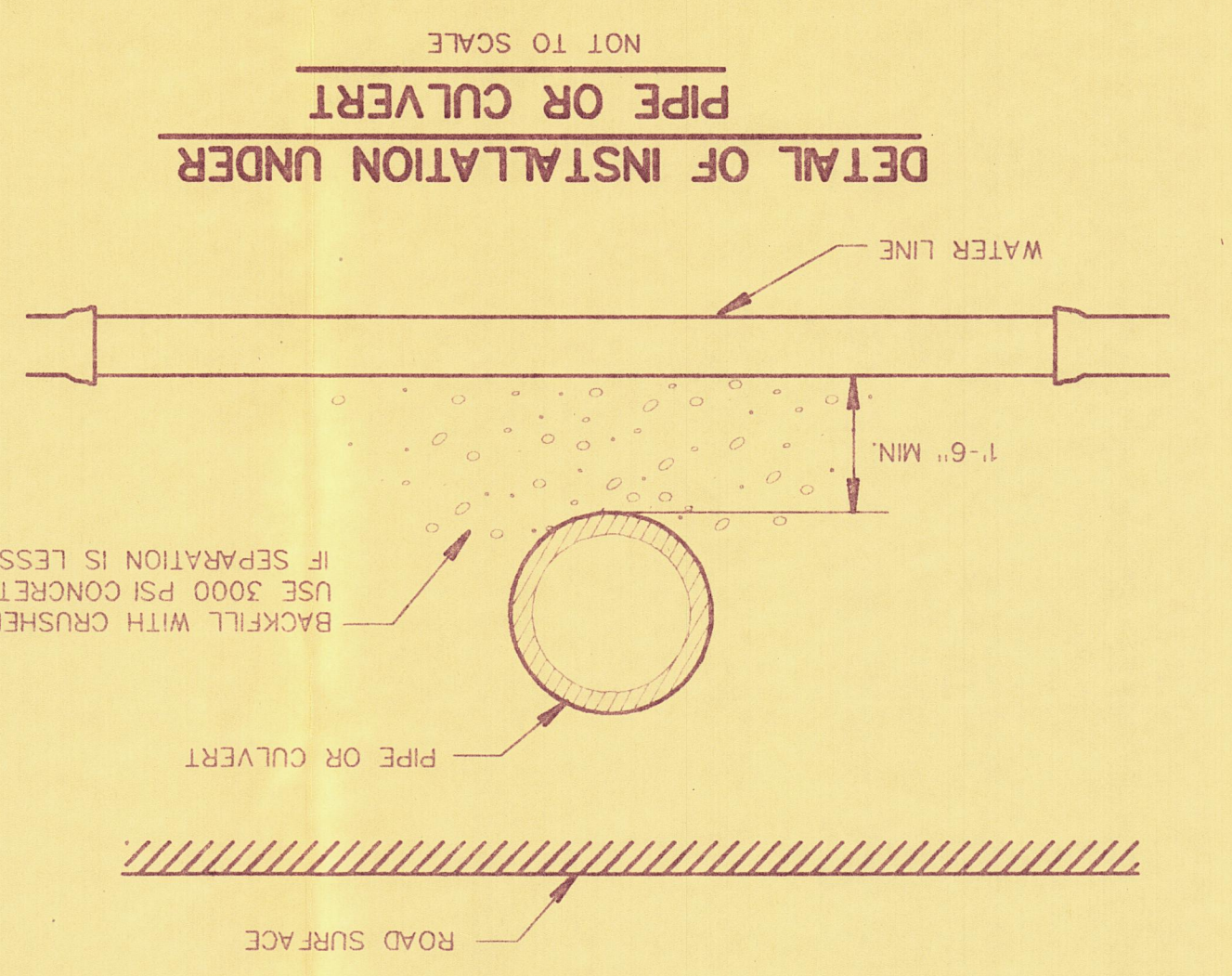
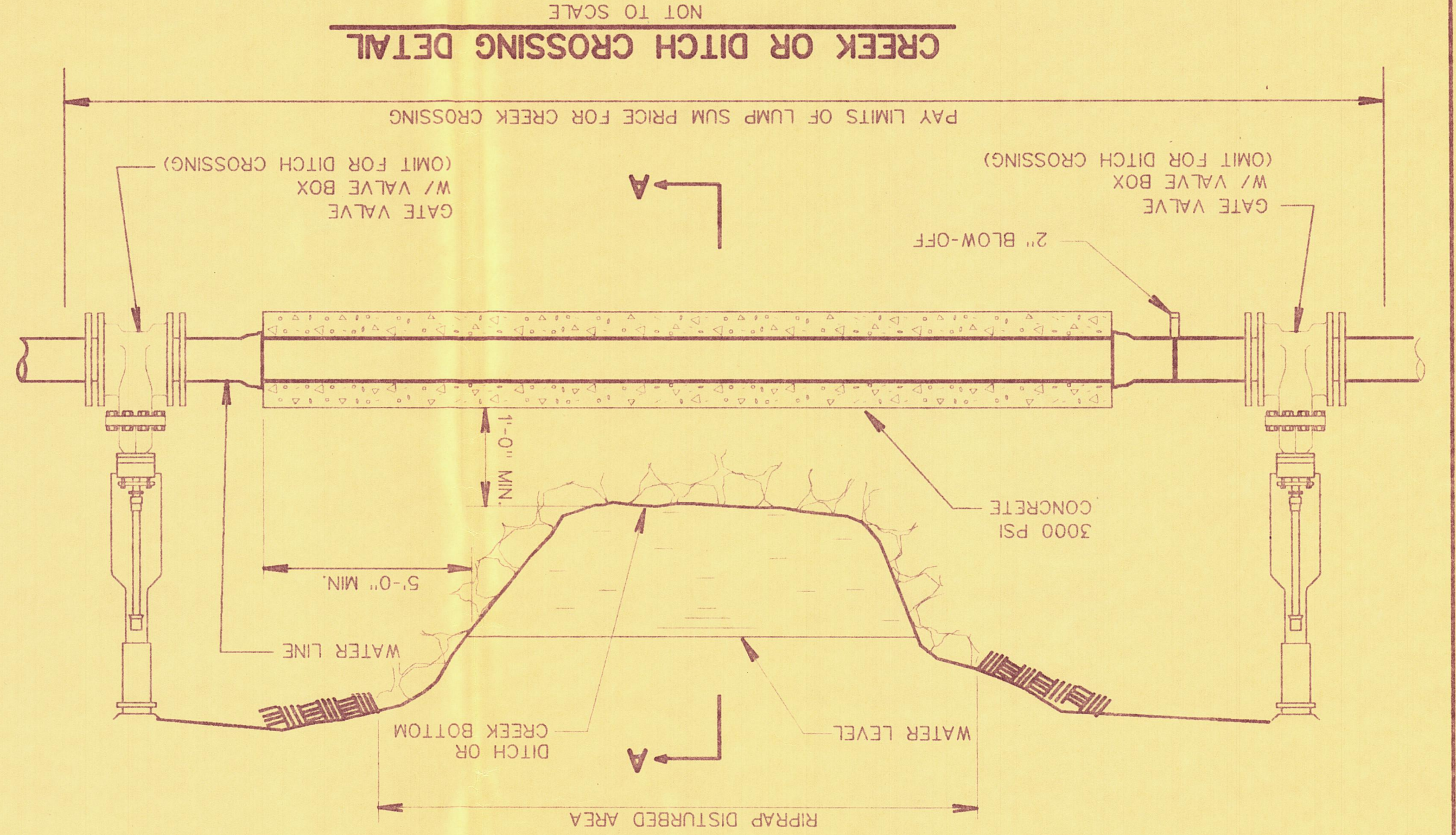
CTI CONSOLIDATED TECHNOLOGIES, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
CHATTANOOGA, TENNESSEE

DSGN: J.D.H.	6/92
DRWN: G. RAMEY	6/92
CHKD:	
APPR:	

WOLFE BRANCH UTILITY DISTRICT
WATER LINE EXTENSIONS

WATER LINE

DRAWING NO.
92041-20



L = MINIMUM LENGTH TO BE RESTRAINED ON EACH SIDE OF FITTING (FT.) *									
CLAY		ELBOWS (DEG.)		1 1/4, 2 1/2, 4 1/2, 90 ENDS		CORESIVES GRANULAR MAT		SAND	
SILT, MUCK, PEAT		VALVES (DEG.)		1 1/4, 2 1/2, 4 1/2, 90 ENDS		VALVES (DEG.)		ELBOWS (DEG.)	
SAND		VALVES (DEG.)		1 1/4, 2 1/2, 4 1/2, 90 ENDS		VALVES (DEG.)		ELBOWS (DEG.)	
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