

B-3-09

RECEIVED

JUN 08 2009

DEPARTMENT OF
WATER RESOURCES

Hi Cherie,

Hope this is what you
need. I send the whole thing.

Sincerely,

Ernie Henry

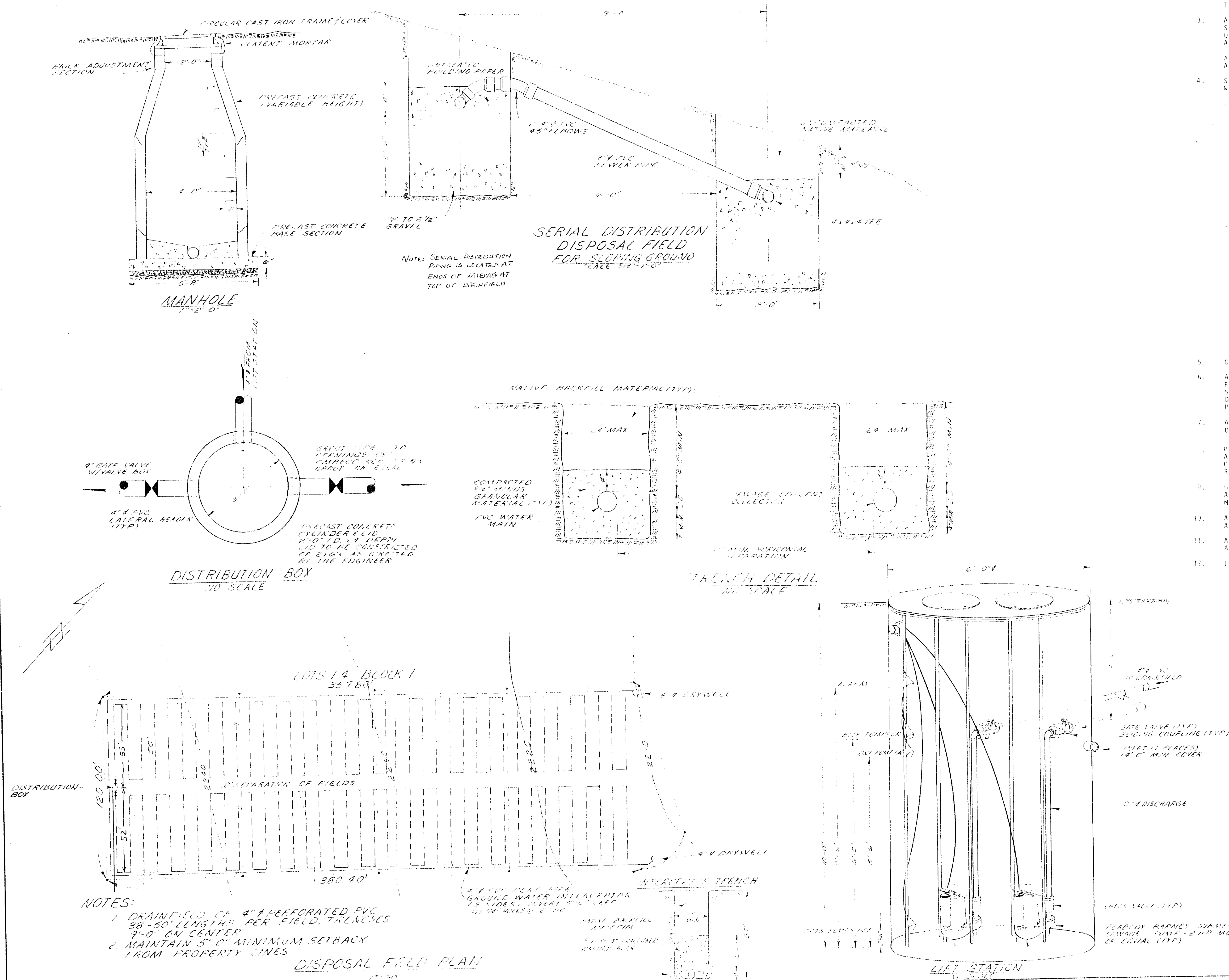
Nebel Addition Water &
Sewer

P.O. Box 304

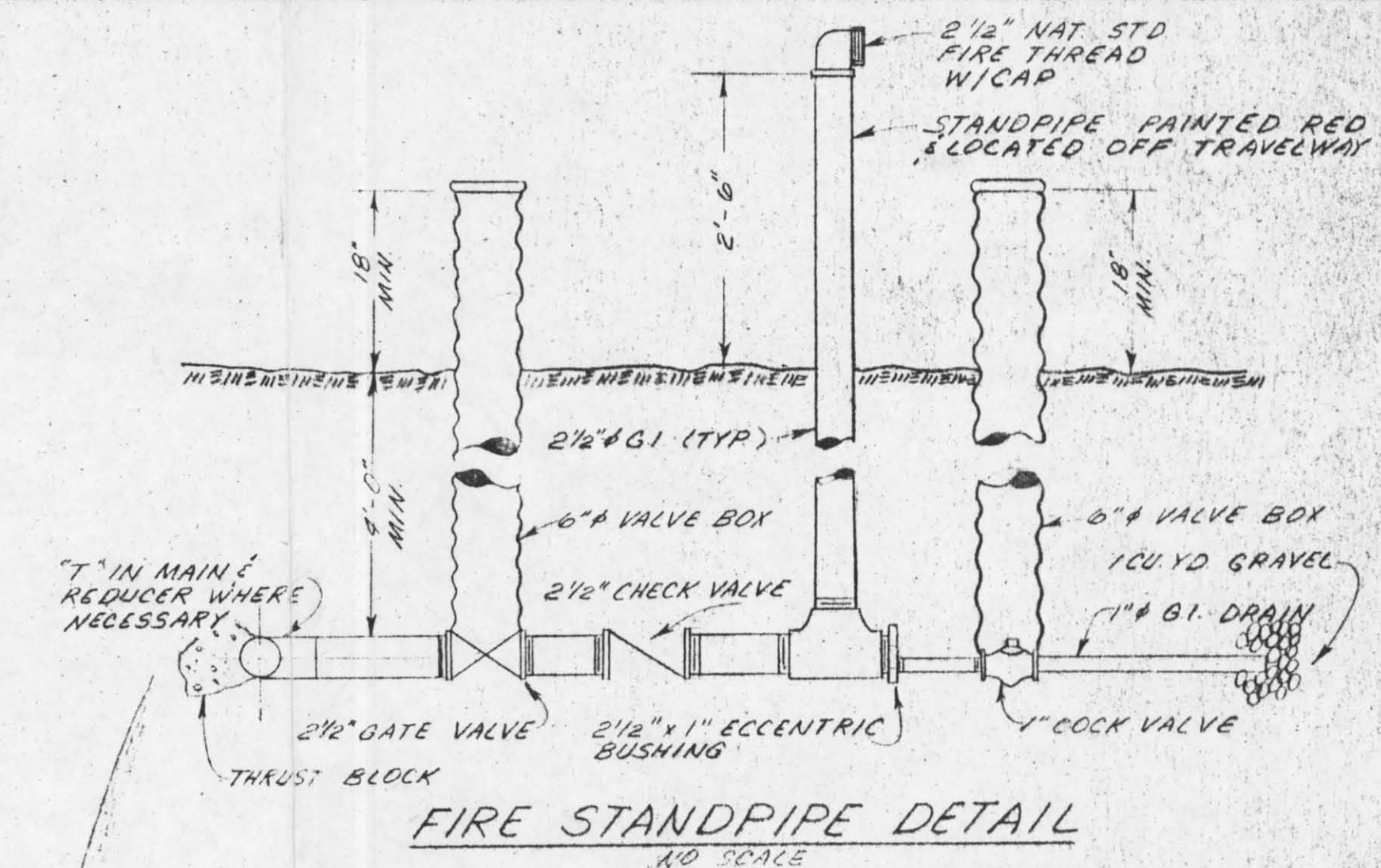
Worley, IL 63076

1. CONSTRUCTION OF WATER DISTRIBUTION SYSTEM SHALL BE IN ACCORDANCE WITH IDAHO DRINKING WATER STANDARDS.
2. ALL WATER DISTRIBUTION LINES SHALL BE DISINFECTED WITH 50 p.p.m. CL_2 SOLUTION FOR 24 HOURS. ALL CL_2 WILL BE FLUSHED THOROUGHLY AFTERWARDS.
3. ALL PIPE SHALL BE PVC RING-TITE PIPE CAPABLE OF RESISTING A MAXIMUM HYDRO-STATIC WORKING PRESSURE OF 160 PSI AT 75°F OR EQUAL, AND SHALL MEET ALL REQUIREMENTS OF ASTM D-184 AND ASTM D-2241. RUBBER RINGS SHALL CONFORM TO ASTM D-1869.

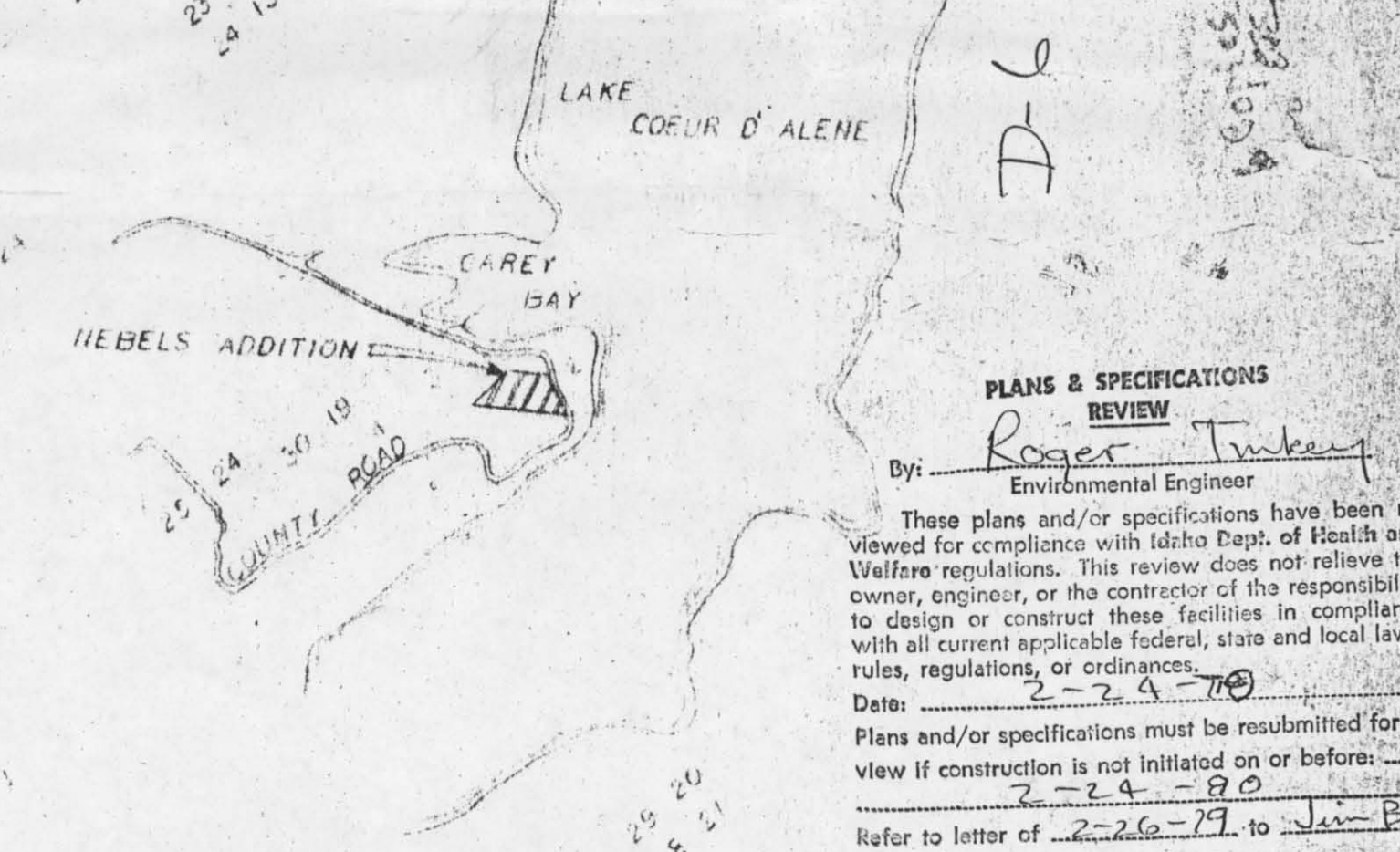
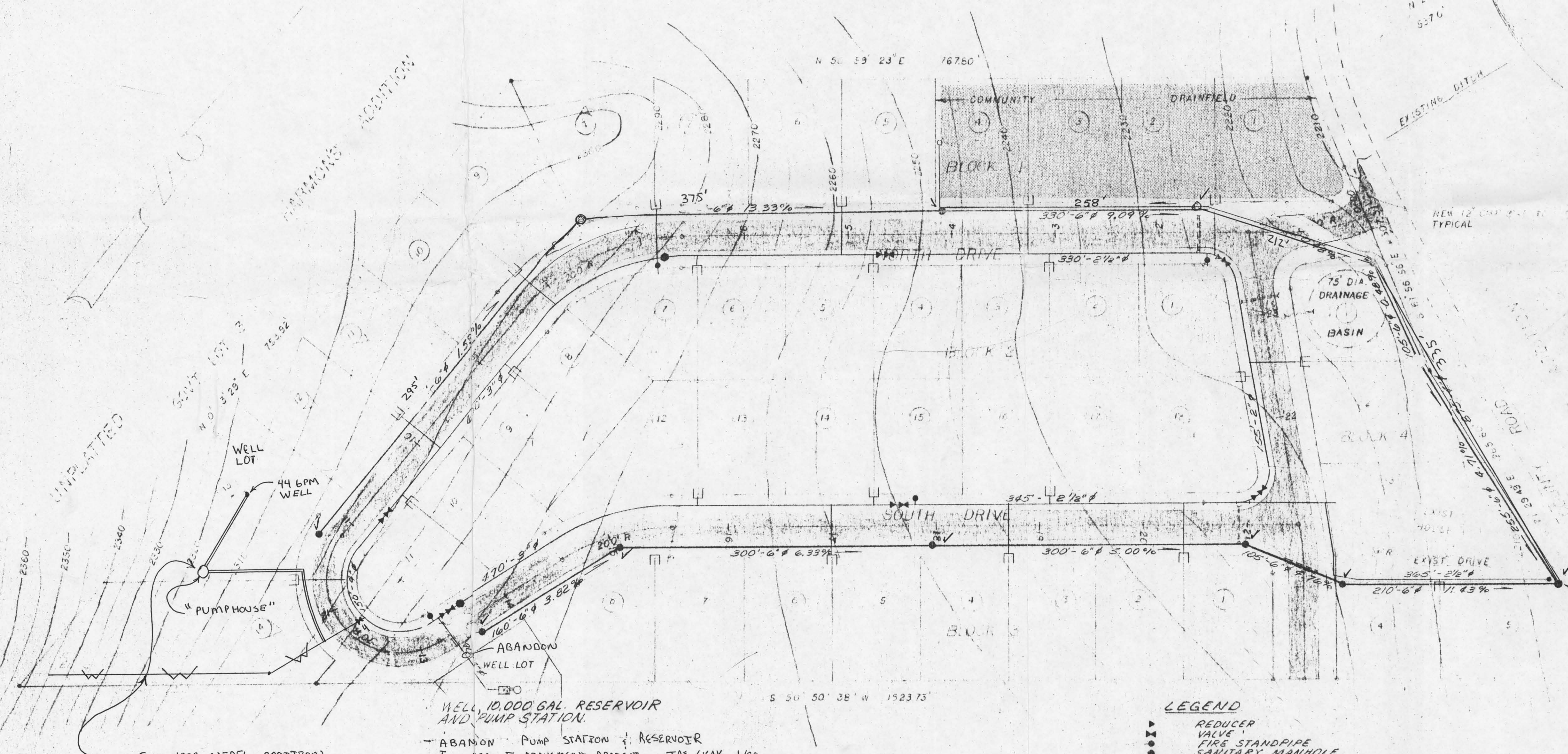
ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION GUIDE OR AS DIRECTED BY THE ENGINEER.
4. SEWER-WATER PIPE CROSSINGS SHALL BE IN ACCORDANCE WITH THE IDAHO DRINKING WATER REGULATIONS), SECTIONS 1-8305.08 AND 1-8305.09, AS FOLLOWS:
 - .08 HORIZONTAL SEPARATING OF WATER AND SEWER LINES. UNDER NORMAL CONDITIONS A HORIZONTAL SEPARATION OF AT LEAST TEN (10) FEET SHALL BE MAINTAINED BETWEEN WATER LINES AND ANY SANITARY SEWER, STORM-SEWER OR SEWER MANHOLE. WHEN A TEN (10) FOOT HORIZONTAL SEPARATION CANNOT BE PROVIDED, THE FOLLOWING TWO (2) CONDITIONS SHALL BE MET:
 - A) THE WATER LINE AND SEWER LINE SHALL BE AT LEAST SIX FEET APART;
 - B) THE WATER LINE SHALL BE AT LEAST EIGHTEEN (18) INCHES ABOVE THE SEWER. IF THE WATER LINE IS NOT AT LEAST EIGHTEEN (18) INCHES ABOVE THE SEWER, THE SEWER SHALL BE CONSTRUCTED OR RECONSTRUCTED WITH PIPE WHICH CONFORMS TO WATER MAIN STANDARDS.
 - .09 WATER AND SEWER LINE CROSSINGS. UNDER NORMAL CONDITIONS, WATER LINES SHALL CROSS EIGHTEEN (18) INCHES ABOVE ANY SANITARY SEWER OR STORM-SEWER. WHEN AN EIGHTEEN (18) INCH VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER CANNOT BE MAINTAINED, THE SEWER LINES SHALL BE CONSTRUCTED OR RECONSTRUCTED WITH PIPE WHICH CONFORMS TO WATER MAIN STANDARDS FOR A DISTANCE OF AT LEAST TEN (10) FEET HORIZONTALLY ON BOTH SIDES OF THE WATER MAIN. THE WATER PIPE SHALL BE CENTERED AT THE CROSSING SO THAT THE JOINTS WILL BE AN EQUAL DISTANCE AND AS FAR AS POSSIBLE FROM THE SEWER. IF THE WATER MAIN IS LOCATED BELOW THE SEWER, IT SHALL BE AT LEAST EIGHTEEN (18) INCHES BELOW THE SEWER AND THE SEWER SHALL BE SUPPORTED TO PREVENT EXCESSIVE DEFLECTION AND SETTLING ON OR BREAKING OF THE WATER MAIN. IN LIEU OF CONSTRUCTING OR RECONSTRUCTING THE SEWER WITH PIPE WHICH CONFORMS TO WATER MAIN STANDARDS, THE WATER LINE OR SEWER LINE, OR BOTH, MAY BE ENCASED IN FOUR (4) INCHES OF CONCRETE MEASURED AT THE BELL.
5. CONCRETE THRUST BLOCKING SHALL BE CONSTRUCTED AT ALL TEES, BENDS, AND PLUGS.
6. AS REQUIRED BY STATE LAW, A COMPLETED SET OF AS-BUILT PLANS SHALL BE CERTIFIED BY THE ENGINEER WITHIN 30 DAYS OF PROJECT COMPLETION. THE ENGINEER SHALL BE NOTIFIED WHEN CONSTRUCTION BEGINS AND SHALL MAKE INSPECTIONS DURING CONSTRUCTION AND SHALL BE NOTIFIED OF ANY CHANGES TO THE CONTRACT PLANS.
7. ALL SELECT BACKFILL SHALL BE COMPACTED TO 95% OF AASHTO 1-99 PROCTOR DENSITY OR AS DIRECTED BY THE ENGINEER.
8. PRESSURE SEWER PIPE SHALL BE JOHNS-MANVILLE RING-TITE PVC PRESSURE PIPE CAPABLE OF RESISTING A MAXIMUM HYDROSTATIC WORKING PRESSURE OF 160 PSI AT 75°F, OR EQUAL, AND SHALL MEET ALL REQUIREMENTS OF ASTM D-1784 AND ASTM D-2241. RUBBER RINGS SHALL CONFORM TO ASTM D-1869.
9. GRAVITY SEWER PIPE SHALL BE JOHNS-MANVILLE PVC GRAVITY SEWER PIPE OR EQUAL AND SHALL CONFORM TO ASTM DESIGNATION D-3034-73 AND SHALL MEET THE REQUIREMENTS FOR CLASS SDR-35 PIPE.
10. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION GUIDE.
11. ALL SEWER LINE CONSTRUCTION SHALL CONFORM TO "SEWAGE TRENCH DESIGN STANDARDS AND WATER QUALITY OBJECTIVES" OF THE IDAHO DEPARTMENT OF HEALTH AND WELFARE.
12. EACH LOT SHALL CARRY A UTILITY EASEMENT TO 5 FEET FROM EACH LOT LINE.



NEBELS ADDITION TO CONKLING PARK



HARMONS ADDITION



PLANS & SPECIFICATIONS REVIEW
By: *Roger Turkey*
Environmental Engineer
These plans and/or specifications have been reviewed for compliance with Idaho Dept. of Health and Welfare regulations. This review does not relieve the owner, engineer, or the contractor of the responsibility to design or construct these facilities in compliance with all current applicable federal, state and local laws, rules, regulations, or ordinances.
Date: 2-24-99
Plans and/or specifications must be resubmitted for review if construction is not initiated on or before: 2-24-99
Refer to letter of 2-26-99 to J.A. Sewell

- LEGEND**
- REDUCER VALVE
 - FIRE STANDPIPE
 - SANITARY MANHOLE
 - PRESSURE REDUCING VALVE
 - 4" SCH. 40 PVC (1998 IMPROVEMENTS)
 - 2" SCH. 40 PVC (1998 IMPROVEMENTS)

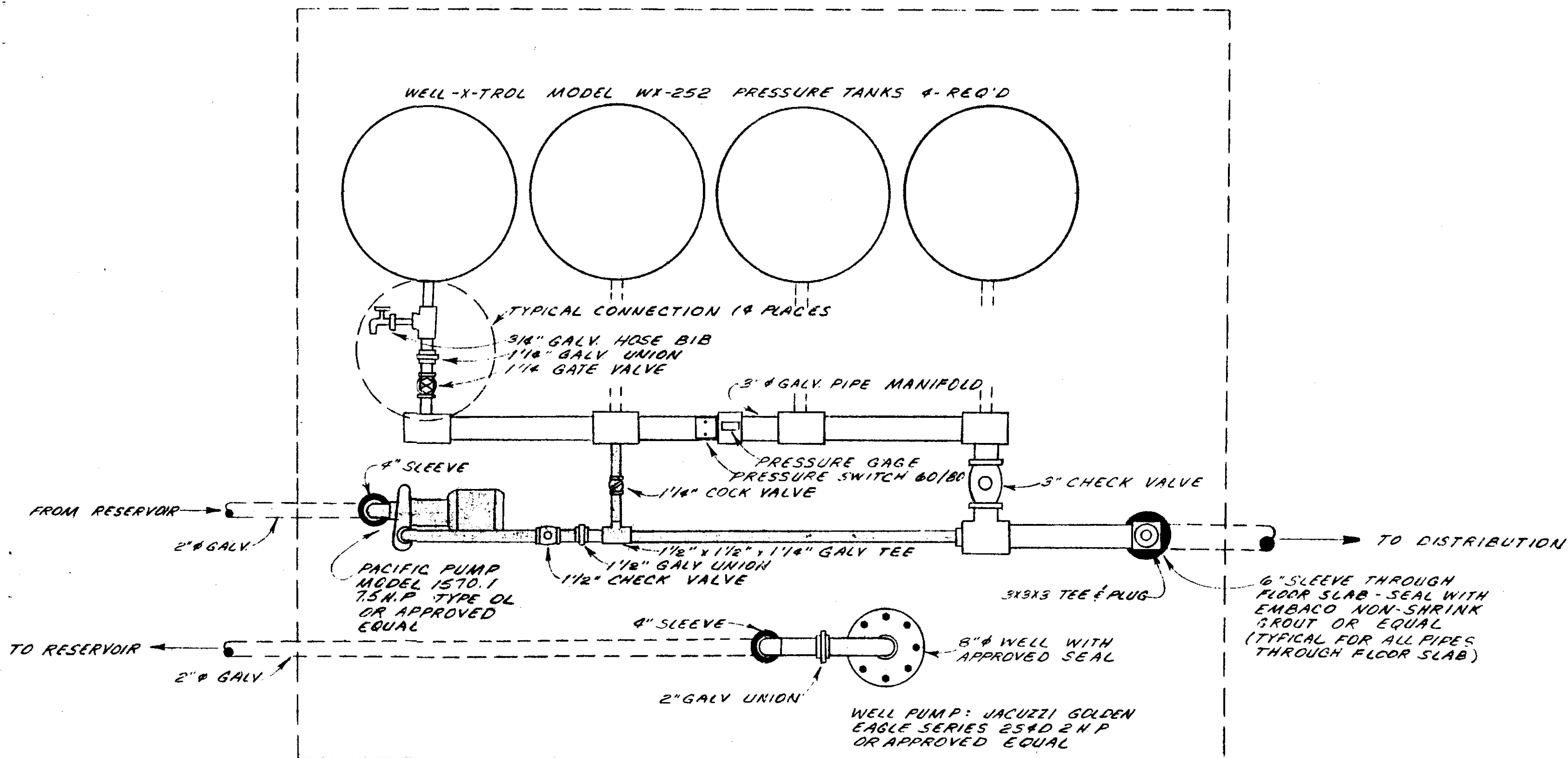
- NOTES**
1. SEE "GENERAL NOTES" SHEET 2 FOR SPECIFICATIONS REGARDING PIPE, TRENCHING, THRUST BLOCKING, ETC.
 2. BURYING SEWAGE EFFLUENT PIPE WITH 4'-0" OF COVER WILL RESULT IN GRADES SHOWN.
 3. PRESSURE REDUCING VALVES SHALL BE CLAYTON 1 1/2" SERIES 90-01 PRESSURING REDUCING VALVE OR APPROVED EQUAL.
 4. DRAWING TO BE USED W/ 1998 NEBEL ADDITION WATER STORAGE ADDITION PROJECT DWG'S 1, 2, 3, 4 OF 4 AND 1998 AS-BUILT PLANS FOR ORIGINAL CONSTRUCTION DWG 1 OF 1 BY JAS/KAL

WATER AND SEWER PLANS

NEBELS ADDITION TO CONKLING PARK

SECTION 19 T47N R3WBM	SCALE 1"=60'	DRAWN BY
KOOTENAI COUNTY - IDAHO	REVISED	
MICHAEL ENGINEERING & SURVEYING 402 IDAHO AVE. COEUR D'ALENE ID 83814		
DATE 3-15-98	APPROVED BY	DRAWING NUMBER

AS-BUILT REVISIONS J.A. SEWELL/KAL 1/99

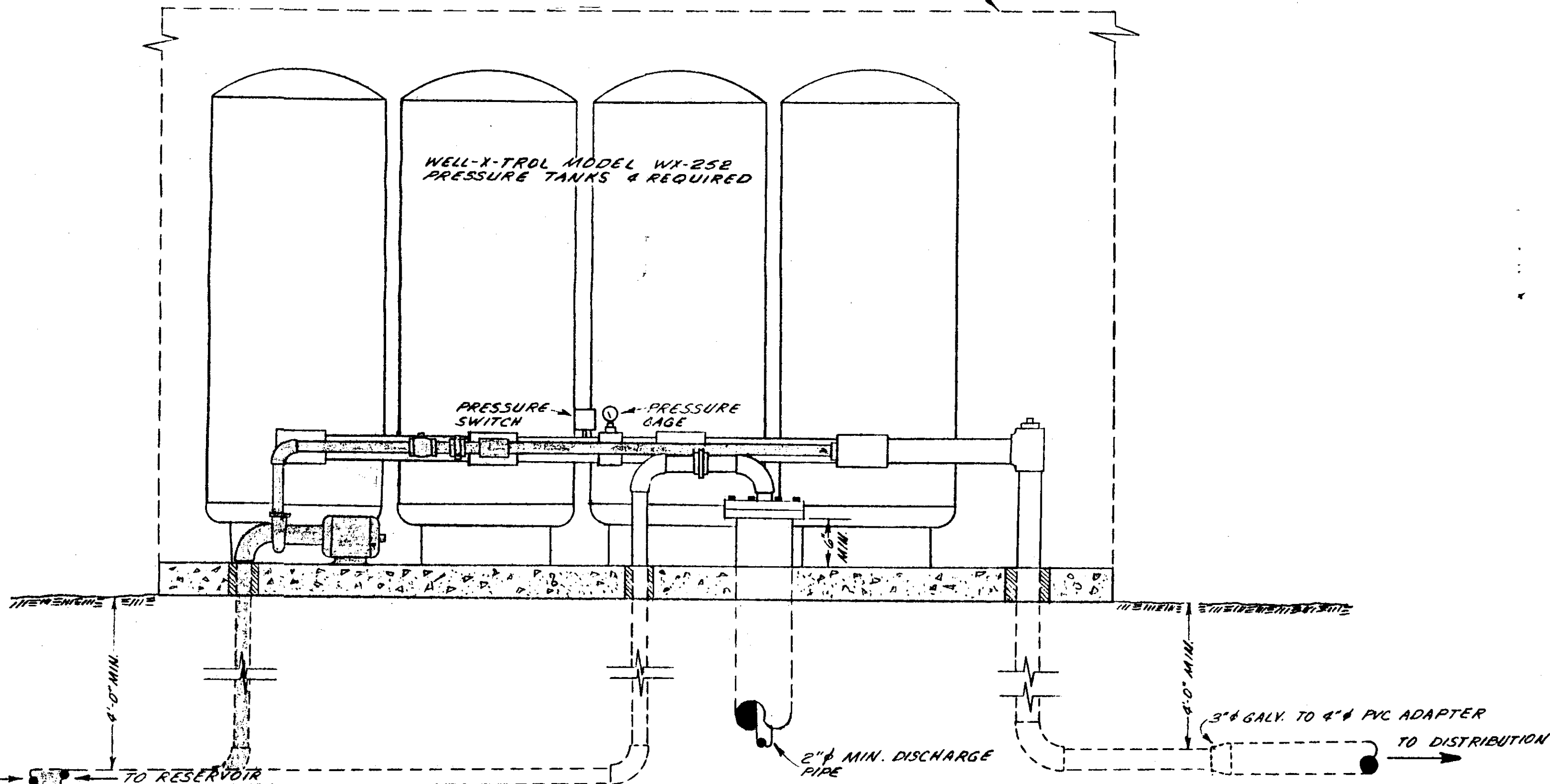


8'x10' I.D. WOOD FRAME BUILDING SEE "NOTES"

GENERAL NOTES

- Well house to be of suitable wood frame construction. Building shall include power receptacle, overhead lighting, adequate ventilation, floor drain, and 5 KW minimum thermostatically controlled space heater. Electrical panel will be mounted on inside wall and will include pump starter and controls, LLC'S, main disconnect and disconnects for pumps, lights, heat and receptacles. Contractor responsible for electrical work including sensor line connection to reservoir and compliance with all applicable building codes and Section 1-8303 of the "Idaho Regulations For Public Drinking Water Systems" concerning wells.
- All pipe shown shall be galvanized iron except where noted otherwise.

Well House NEVER CONSTRUCTED JAS /KAK 1/99



As-Built Revisions J.A. Sewell & Assoc. / KAK 1/99

NEBELS ADDITION TO CONKLING PARK
WELL HOUSE DETAILS

SCALE	1" = 1'-0"	REVISIONS	BY	DATE
DATE	1-15-79			
DR	MLR	CRD	JAB	
AP	VD			

TITLE MECKEL ENGINEERING & SURVEYING
402 IDAHO AVE, COEUR D'ALENE