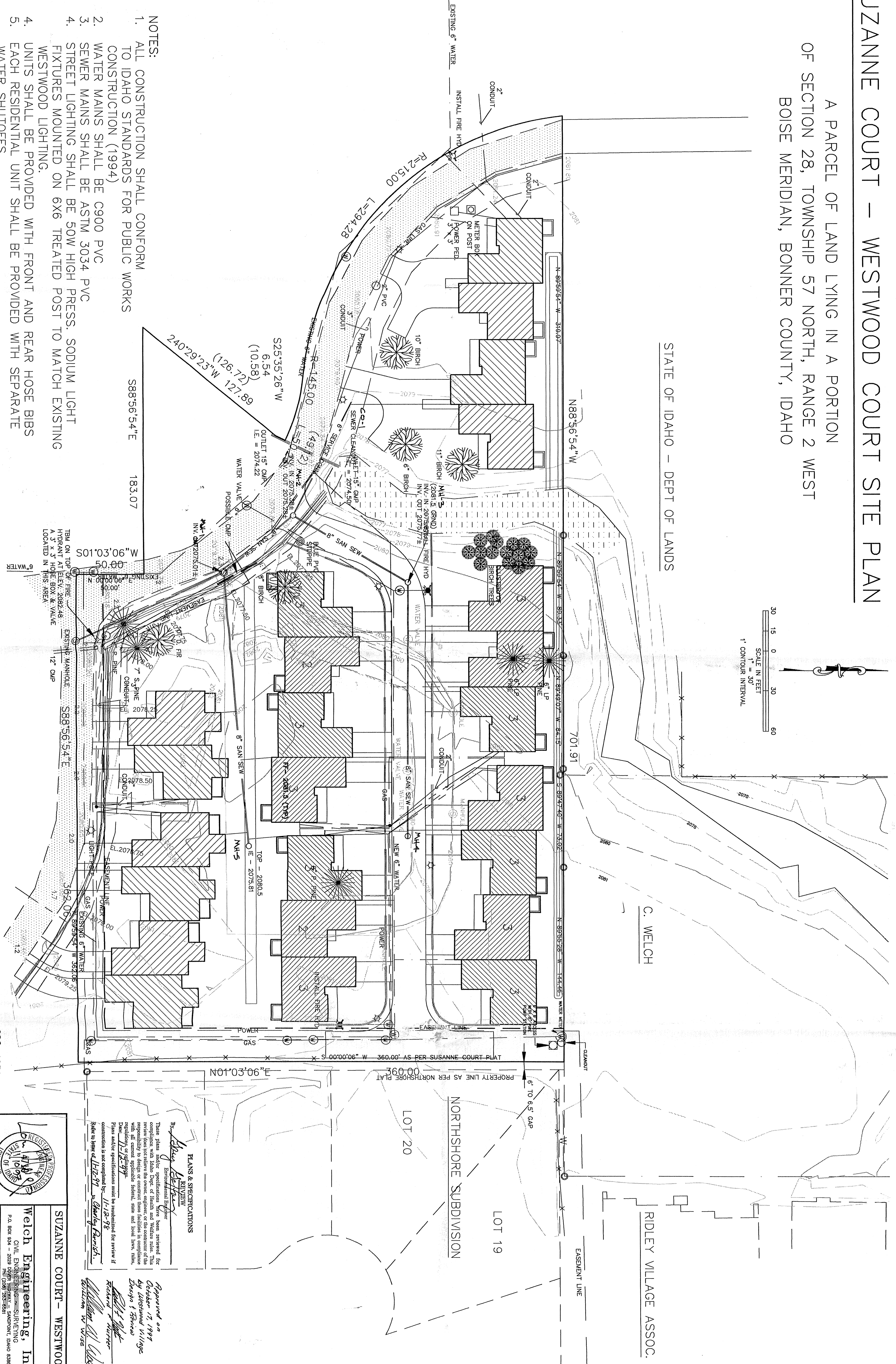
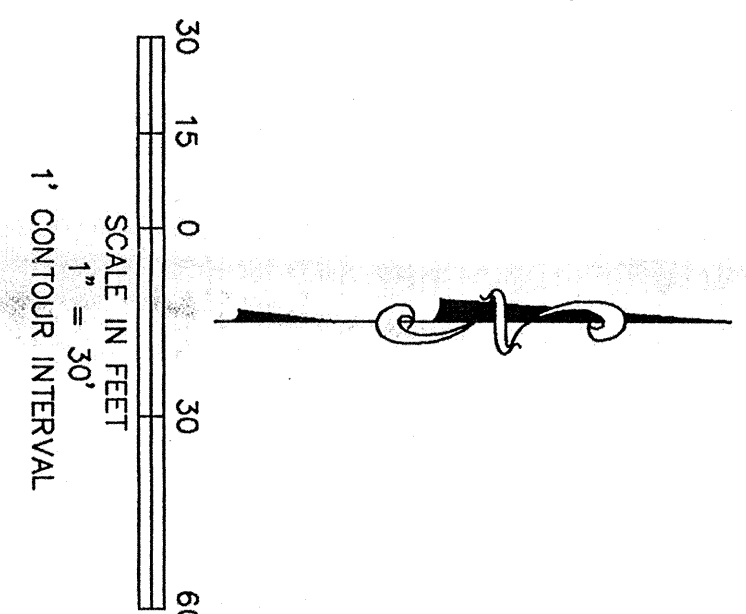


# SUZANNE COURT - WESTWOOD COURT SITE PLAN

A PARCEL OF LAND LYING IN A PORTION  
OF SECTION 28, TOWNSHIP 57 NORTH, RANGE 2 WEST  
BOISE MERIDIAN, BONNER COUNTY, IDAHO

STATE OF IDAHO - DEPT OF LANDS



- NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (1994)
  2. WATER MAINS SHALL BE C900 PVC
  3. SEWER MAINS SHALL BE ASTM 3034 PVC
  4. STREET LIGHTING SHALL BE 50W HIGH PRESS. SODIUM LIGHT FIXTURES MOUNTED ON 6X6 TREATED POST TO MATCH EXISTING WESTWOOD LIGHTING.
  5. UNITS SHALL BE PROVIDED WITH FRONT AND REAR HOSE BIBS EACH RESIDENTIAL UNIT SHALL BE PROVIDED WITH SEPARATE WATER SHUTOFFS.

CALL 48 HOURS BEFORE YOU DIG: 1-800-826-4950

**PLANS & SPECIFICATIONS**  
By: *Allyson Bell*  
Environmental Engineer  
These plans and/or specifications have been reviewed for compliance with Idaho Dept. of Health and Welfare rules. This review is limited to the design of the proposed facilities in compliance with all current applicable federal, state and local laws, rules, regulations, or ordinances.  
Date: 11-12-98  
Plans and/or specifications must be reexamined for review if construction is not completed by: 11-12-98  
Site to name of: 112-97, in *Charley Parish*.

Approved on  
October 12, 1998  
by *Christine Wallace*  
Design & Review  
*Richard Hatter*  
*William W. Wise*

**Welch Engineering, Inc.**  
CIVIL ENGINEERING & SURVEYING  
P.O. BOX 834 - 2029 DEER PARKWAY - SANDPOINT, IDAHO 83864  
PHONE: (208) 253-8581 FAX: (208) 253-8581  
DATE: 8/12/97 SCALE: 1"=30'  
CHECKED BY: SHEET 1 OF 3

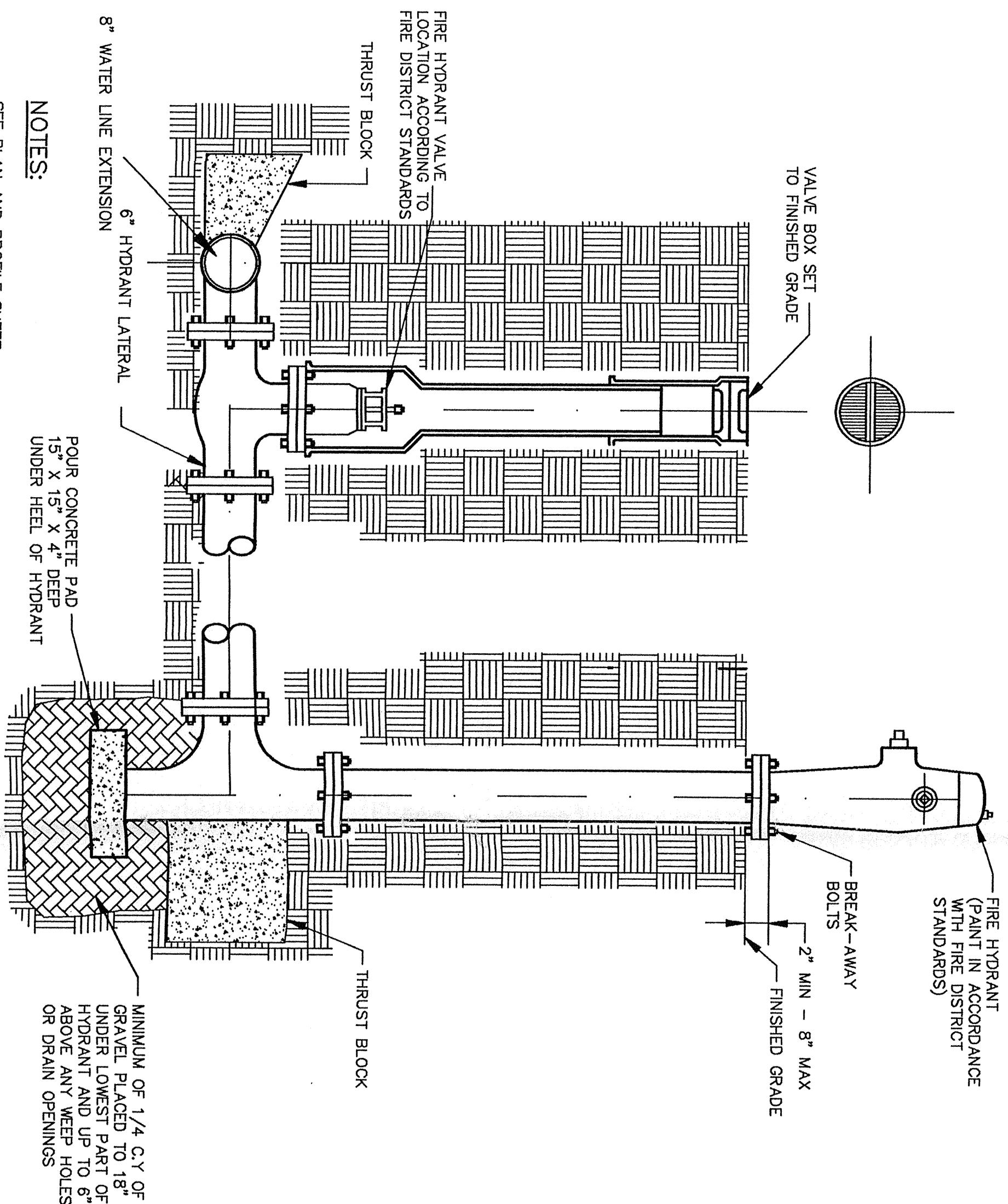


**NOTES:**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION, 1990.
2. THE LOCATION OF ALL EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UTILITIES.
3. ALL WATER PIPE TO BE 6" AND 8" C-900.
4. TESTING TO BE IN ACCORDANCE WITH SECTION 404 OF ISPW-1990. (150 PSI - 2 HRS)
5. DISINFECTION: TABLET METHOD (SEE SPECIFICATIONS AND TABLE THIS SHEET).
6. TAPS TO LIVE WATER MAINS SHALL BE DONE BY CITY PERSONNEL AT DEVELOPERS EXPENSE (72 HR NOTICE REQD.)
7. SEWER MAINS SHALL BE PRESSURE TESTED, VIDEOED AND PRESSURE CLEANED BEFORE WATER SERVICE IS TURNED ON.

**SPECIFICATIONS**

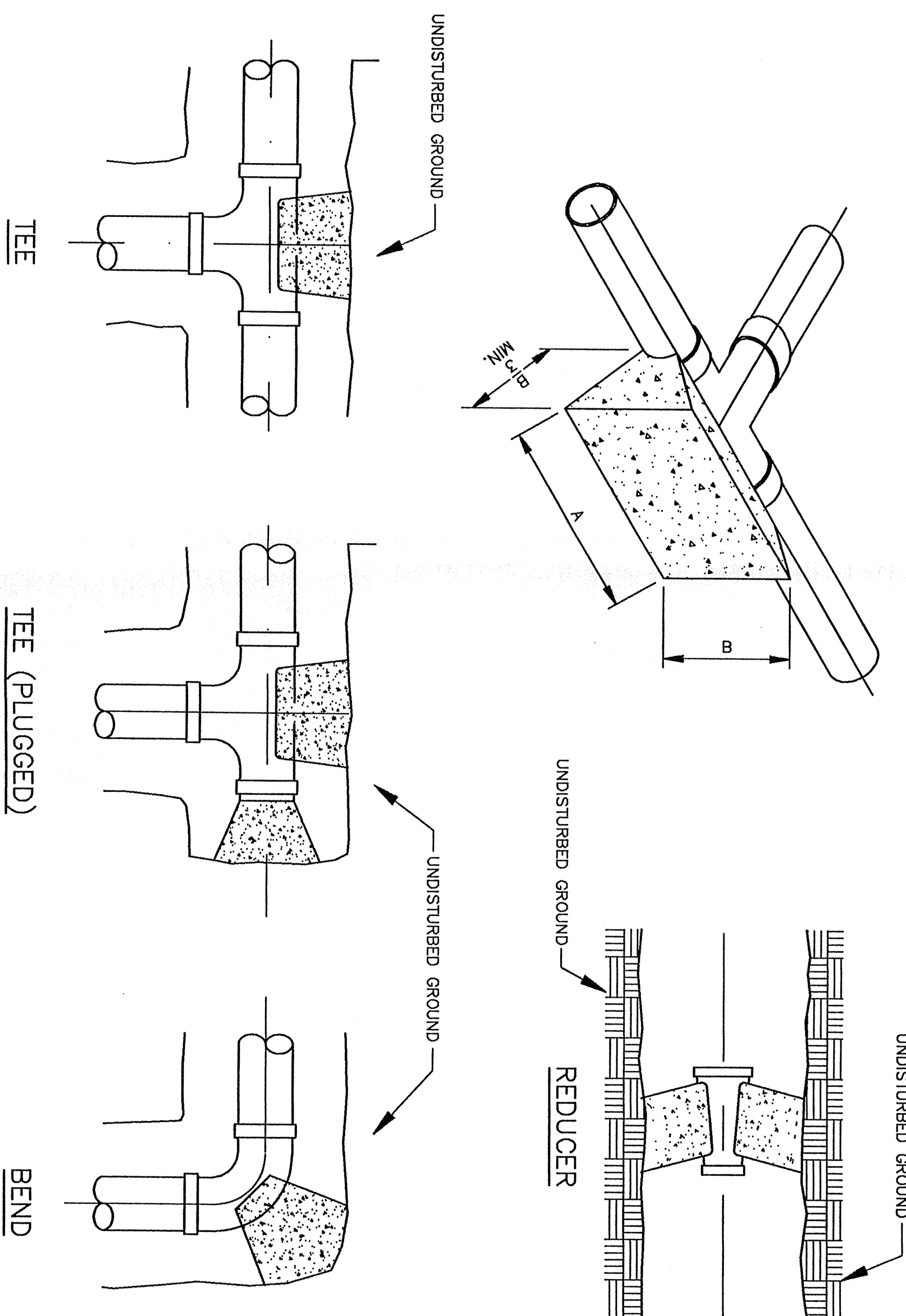
1. FIRE HYDRANTS - WATEROUS OR MUELLER, FOLLOWING SETTING, PAINT WITH HYDRANT YELLOW ENAMEL.
2. WATER MAIN - PVC C-900 OR DUCTILE IRON CLASS 150 THROUGH 12" DIA. LARGER THAN 12" DIA. SHALL BE DUCTILE IRON OR EPOXY COATED STEEL. MINIMUM DIAMETER = 8"
3. MANHOLE RING AND COVER - HERN 2404, 4' x 24" SOLID RING AND COVER, OR EQUAL; CITY OF SANDPOINT DESIGN.
4. WATER SERVICE CORP STOP: FORD OR MUELLER 1" (BALL TYPE CORP STOP) SEALED UNIT (FB 400 BALL CORP) - 1" AWWA/COC TAPER THREAD INLET BY 1" MALE IRON THREAD IRON PIPE THREAD OUTLET. BRONZE CONSTRUCTION.
5. DIRECTION OF CURB STOP BY PW INSPECTOR.
6. ALL SADDLES SHALL BE DOUBLE STRAP BRONZE.
7. BRICKS SHALL BE PLACED BENEATH CORP AND CURB STOP.
8. CURB BOXES SHALL BE BROOKS 250 SERIES - FULL LENGTH, CUTOFF AS DIRECTED BY PW INSPECTOR.
9. CURB BOXES SHALL HAVE CAST IRON TOPS AND LIDS.
10. WATER SERVICE PIPING - 1" IRON PIPE SIZE (IPS) POLY PIPE 200 PSI MEETING AWWA C901 AND BEARING NSF STAMP FOR POTABLE WATER PIPE. SOLVENT WELDS NOT ACCEPTABLE.
11. WATER SERVICE CURB STOPS - FORD BALL VALVE WITH IRON PIPE THREADS (1").
12. WATER MAIN AND SERVICE TRACER WIRE - 12 GAUGE SOLID CONDUCTOR WIRE LEAD TO A STOP AT ALL MAINS AND SERVICES ATTACH TO VALVES AND OTHER ACCESS POINTS PER DIRECTION OF PW INSPECTOR AND STANDARD PLAN.
13. WATER CURB STOP LOCATORS - 3M MID-RANGE MARKERS #1257.
14. WATER VALVE LOCATORS - 3M MID-RANGE MARKERS #1257.
15. ALL BUSHINGS, NIPPLES AND FITTINGS SHALL BE BRASS.
16. LOCATORS TO BE PLACED AT EACH WATER SERVICE (CURB STOP).
17. WATER METERS SHALL BE LOCATED IN GROUND ADJACENT TO CURB STOP (GROUND AND INSTALLED BY CITY OF SANDPOINT). DOUBLE CHECK VALVE ASSEMBLY REQUIRED.
18. WATER MAIN PRESSURE TEST - PER SECTION 404 OF ISPW - 1990, 150 PSI FOR 2 HOUR HOLD TIME.
19. WATER MAIN DISINFECTION - PER SECTION 405 OF ISPW - 1990 (ANSI/AWWA C651-86 (REV. OF AWWA C601-81)).
20. METHOD TO BE USED SHALL BE CHLORINE TABLETS OR POWDER.
21. WHERE MF FITTINGS ARE USED, ROMAC GRIP RING ASSEMBLY KITS SHALL BE USED.
22. ALL DEAD END MAINS SHALL HAVE STANDARD FIRE HYDRANT FOR FLUSHING PURPOSES.
23. SEWER LATERAL LOCATORS - 3M MID-RANGE MARKERS #1258.
24. LOCATORS TO BE PLACED AT EACH SEWER SERVICE (PROPERTY LINE).
25. MANHOLES - PRECAST CONCRETE SECTIONS, RUBBER GASKET CONCENTRIC CONES, EPOXY COATED DEFORMED STEEL STEPS EMBEDDED IN MH WALLS.
26. RINGS AND LIDS - CITY OF SANDPOINT SPECIAL DESIGN; HERN OR OLMPIC.
27. SEWER MAIN - ASTM 3034-SDR 35.



NOTES:  
SEE PLAN AND PROFILE SHEET FOR FIRE HYDRANT LOCATIONS

**FIRE HYDRANT DETAIL**  
NOT TO SCALE

**THRUST BLOCKING DETAILS**  
NOT TO SCALE



FITTING SIZES	DIMENSION FOR THRUST BLOCKING					
	TEES AND PLUGS		90° BEND		REDUCERS AND 22 1/2° BEND	
	A	B	A	B	A	B
4"	19"	14"	21"	18"	19"	6"
6"	24"	23"	29"	26"	21"	10"
8"	32"	30"	38"	36"	21"	18"
10"	40"	39"	48"	46"	26"	23"
12"	48"	46"	56"	56"	31"	27"
14"	65"	46"	78"	59"	41"	29"

- NOTES:**
1. THIS TABLE IS BASED ON 150 PSI MAIN PRESSURE 2000 PSF SOIL BEARING PRESSURE.
  2. WRAP ALL FITTINGS WITH POLYETHYLENE.

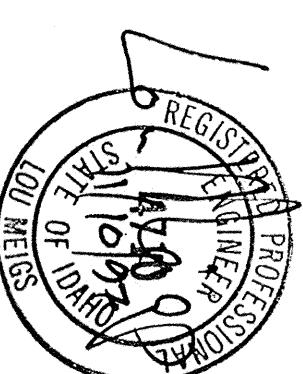
CALL 48 HOURS BEFORE YOU DIG: 1-800-626-4950

NUMBER OF HYPOCHLORITE TABLETS OF 5-G REQUIRED FOR DOSE OF 50 MG/1* LENGTH OF SECTION	DIAMETER OF PIPE (IN.)												
	2	4	6	8	10	12	13 OR LESS	1	2	3	5	7	10
18	1	1	2	2	3	5	1	1	2	3	5	7	10
20	1	1	2	2	3	5	1	1	2	3	5	7	10
30	1	1	2	2	3	5	1	1	2	3	5	7	10
40	1	1	2	2	3	5	1	1	2	3	5	7	10

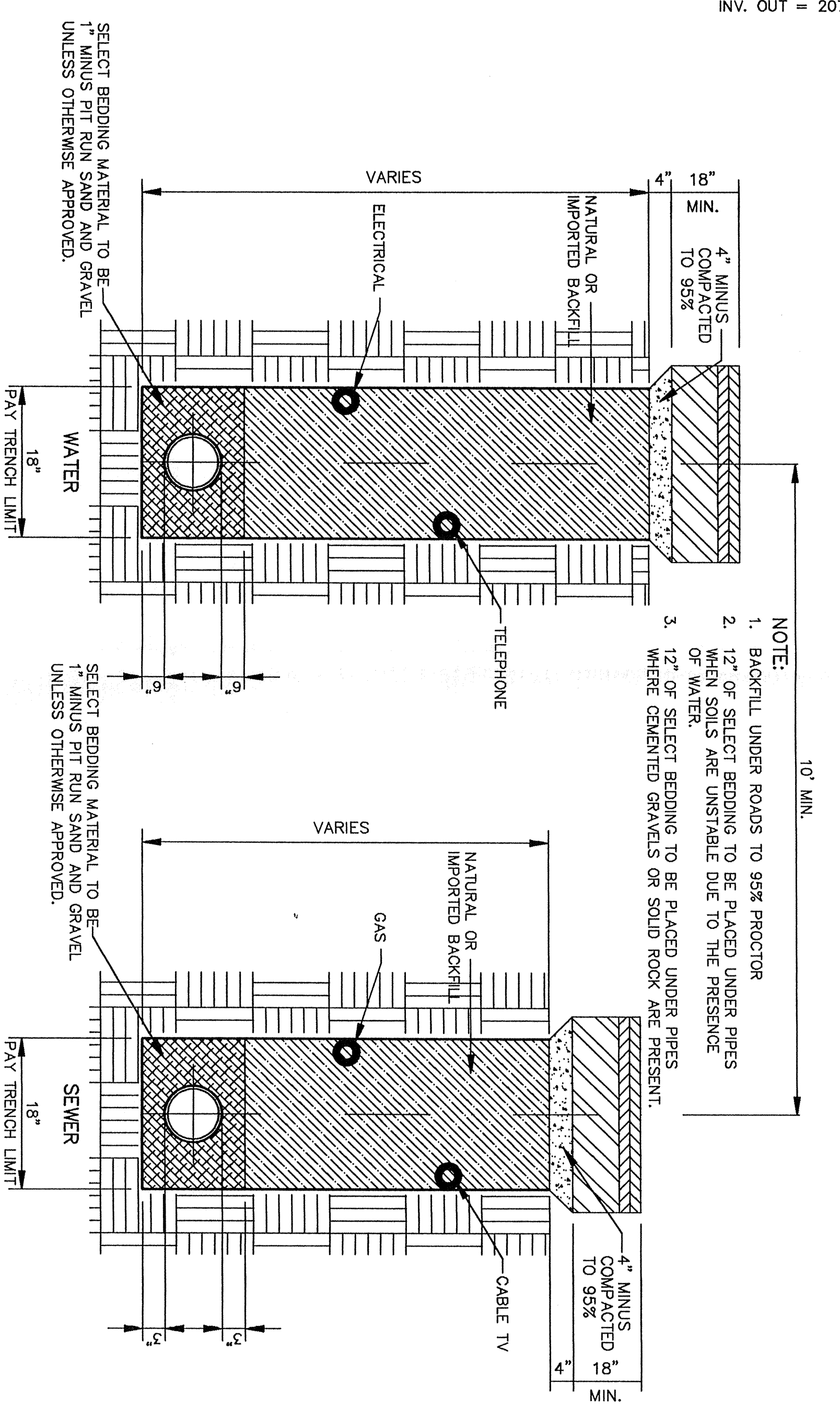
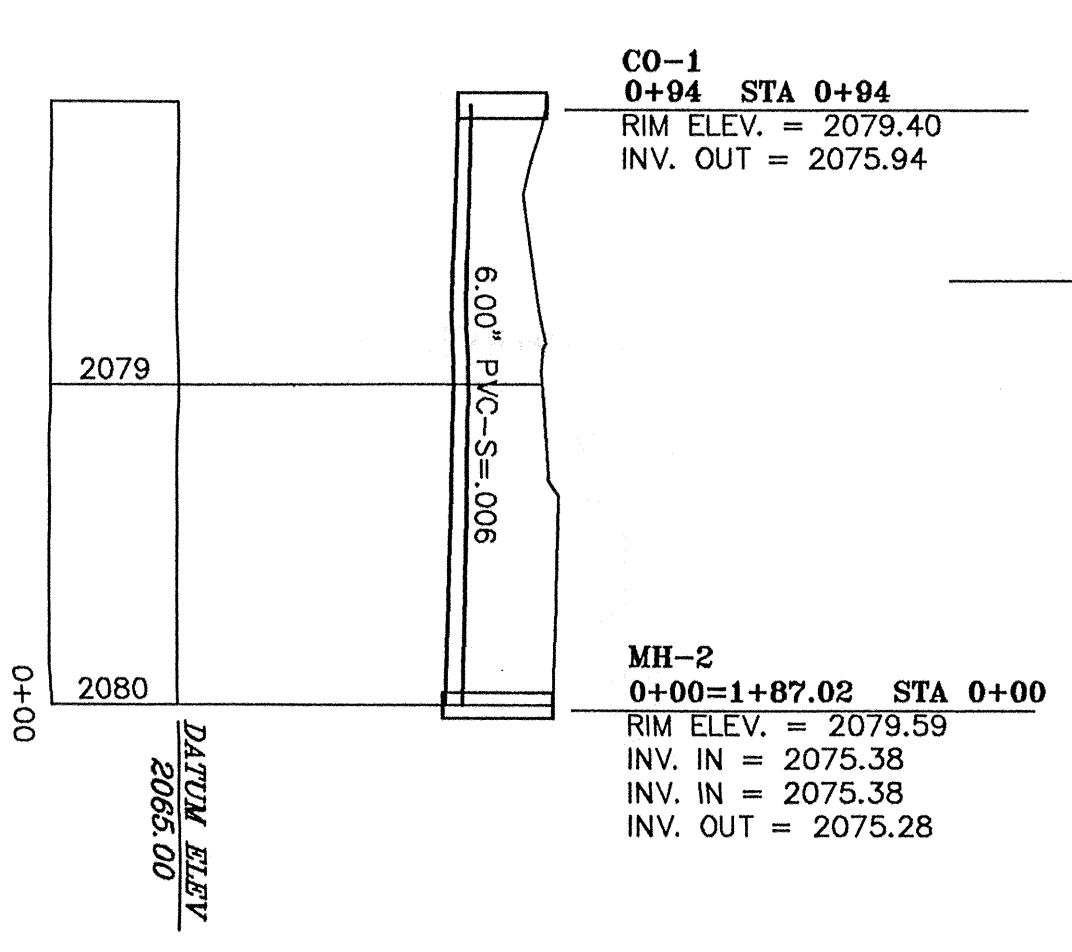
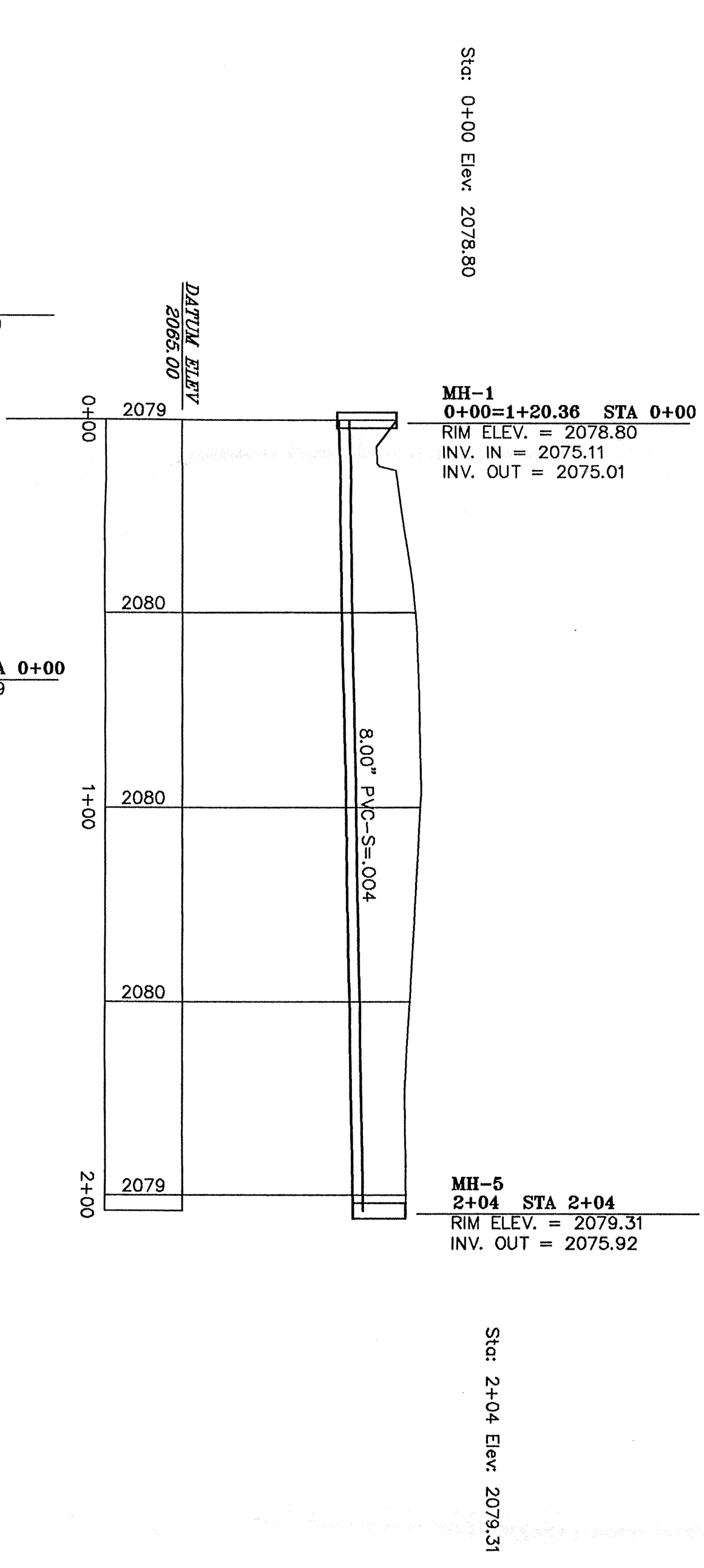
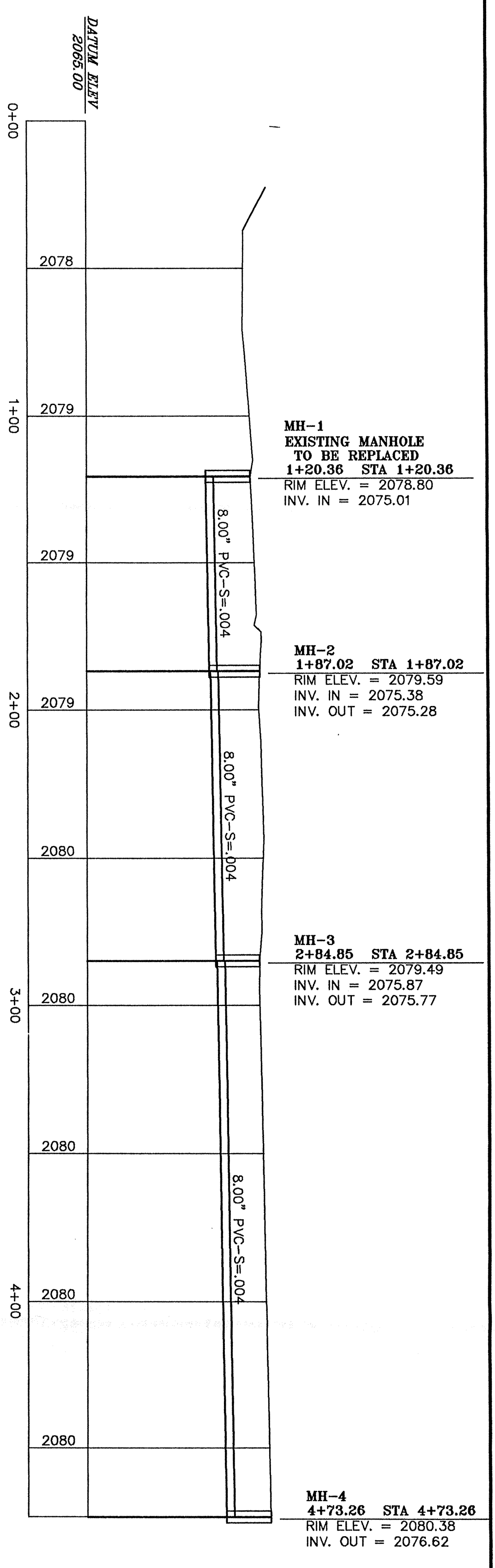
\*BASED ON 3 3/4G AVAILABLE CHLORINE PER TABLET

SUZANNE COURT

CONSTRUCTION DETAILS & NOTES  
**Welch Engineering, Inc.**  
CIVIL ENGINEERING SURVEYING  
P.O. BOX 834 - 2029  
PH: (208) 253-6559  
SANDPOINT, IDAHO 83864

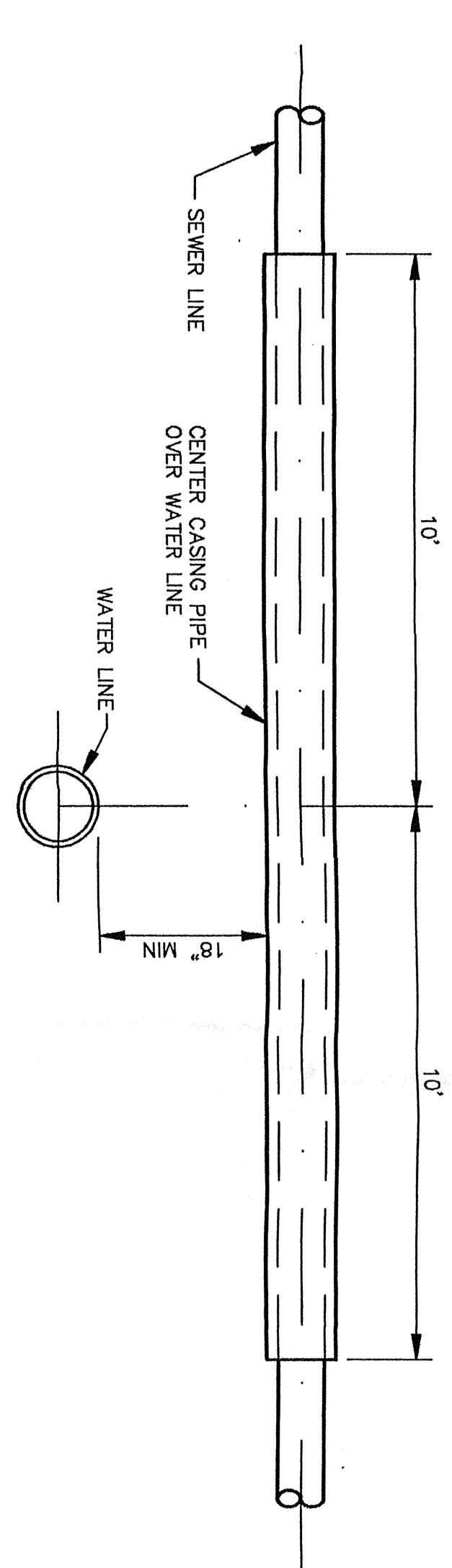


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DATE: 8/12/97  
SHEET 2 OF 2



**TYPICAL TRENCH DETAILS**

NOT TO SCALE



**WATER-SEWER LINE CROSSING DETAIL**

NOT TO SCALE

CALL 48 HOURS BEFORE YOU DIG: 1-800-626-4950

**SUZANNE COURT**

**SEWER PROFILES & DETAILS**

**Welch Engineering, Inc.**

CIVIL ENGINEERING SURVEYING

P.O. BOX 834 - 2029 DEER PARKWAY - SANDPOINT, IDAHO 83864

PH: (208) 263-6581

REGISTERED ENGINEER

DATE: 8/17/07

SHEET 1 OF 1