

RE: Alvada Construction Complex
Report
Drinking Water Program
Seneca County
PWS ID: OH7449212

Our facility was built in 1999 and put in service in 2000, after the lead service ban became effective in 1998.

See site drawing for overall view, main supply line from well, and secondary distribution lines. Then refer to individual building drawings for detailed interior piping with a copy of piping spec's from spec. page of original blueprints.

Main supply line from well is 2" copper, while the secondary supply lines are 1" black plastic.

Main treatment is in southwest corner of the truck shop . Layout was changed from the original prints so updated and EPA approved drawings of treatment system is included in lieu of original truck shop prints. All lines in the treatment area are copper, transitioning to Sch 80 PVC for entry/exit to the softeners then transitioning back to copper.

Thanks,
Eric Switzer

Any Questions please call
cell : (419)420-2446

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FEB 21 2017

DDAGW - NWDO

* From Spec Page of Prints

a. ASPHALT-COATED SERVICE WEIGHT CAST IRON, HUBLESS END, JOINTS FOR SANITARY AND VENT "CLAMP-ALL" #80

c. PLASTIC PVC, SCHEDULE 40 ASTM D2665-82, DMV WITH SOLVENT WELDED SOCKET JOINTS (NOT PERMITTED IN RETURN AIR PLENUMS).

3. DOMESTIC WATER PIPING INSIDE BUILDING UNDERGROUND

a. TYPE "K" SOFT COPPER TUBE ASTM B88-B3A WITH NO JOINTS IF POSSIBLE, OTHERWISE SOLDERED WITH PRESSURE RATED FITTINGS.

4. DOMESTIC WATER PIPING INSIDE BUILDING ABOVEGROUND

a. 3" AND SMALLER: TYPE "L" HARD TEMPER COPPER WITH SOLDERED JOINTS AND WROUGHT STANDARD WEIGHT PRESSURE RATED FITTINGS.

5. CONDENSATE DRAIN & RELIEF VALVE DISCHARGE PIPING

a. TYPE "L" COPPER WITH SOLDERED JOINTS AND WROUGHT STANDARD WEIGHT FITTING.

6. NATURAL GAS PIPING SERVICE & EXTERIOR TO BUILDING UNDERGROUND

a. POLYETHYLENE ASTM D-2513 WITH HEAT FUSION JOINTS APPROVAL BY GAS UTILITY WITH COPPER TRACING LOCATING STRIP

b. SCHEDULE 40 BLACK STEEL, ASTM A-53, COATED AND WRAPPED X-THRU-COAT WITH BUTT WELDED JOINTS AND STANDARD WEIGHT WELDED FITTING, COATED AND WRAPPED.

7. NATURAL GAS PIPING INSIDE BUILDING ABOVEGROUND

a. 2" AND SMALLER, LESS THAN 5 PSI: SCHEDULE 40, BLACK STEEL, ASTM A-53 WITH SCREWED JOINTS AND 150# BLACK MALLEABLE IRON FITTINGS.

b. 2 1/2" AND LARGER, LESS THAN 5 PSI: SCHEDULE 40, BLACK STEEL, ASTM A-53 WITH BUTT WELDED JOINTS AND STANDARD WEIGHT WELDED FITTINGS.

8. DOMESTIC WATER PIPING VALVES

a. BALL: 125 PSI, BRONZE BODY, TEFLON TRIM, "WATTS" B-8000 WITH EXTENDED HANDLE SLEEVE FOR INSULATION.

b. CHECK: 125 PSI, BRONZE BODY AND TRIM, "CRANE" 37

9. NATURAL GAS PIPING VALVES

a. BALL, 2" AND SMALLER - 125 PSI, SCREWED ENDS, BRONZE BODY, TEFLON TRIM, "WATTS" B-8000.

b. PLUG, 2 1/2" AND LARGER - 125 PSI, FLANGED ENDS, SEMI-STEEL BODY, "NORDSTROM" 143.

10. MANUFACTURERS: WATTS, CRANE, GRINNELL, NORDSTROM, NIBCO, STOCKHAM, SMITH, MILWAKEE.

11. POTABLE WATER SYSTEM SHALL BE THOROUGHLY FLUSHED AND DISINFECTED BEFORE BEING PUT INTO SERVICE AS REQUIRED BY THE WATER DEPARTMENT, HEALTH DEPARTMENT OR AUTHORITY HAVING JURISDICTION. AFTER SAMPLES HAVE BEEN APPROVED, OBTAINED CERTIFICATION OF ACCEPTANCE FROM THE HEALTH DEPARTMENT AND FORWARD CERTIFICATE TO THE OWNER.

12. SHOCK ELIMINATORS (OR WATER HAMMER ARRESTORS - WHA) SHALL BE INSTALLED AS REQUIRED BY THE GOVERNING CODE. SHOCK ELIMINATORS MANUFACTURED BY ZURN INDUSTRIES OR P.D.I. DESIGNATIONS. SHOCK ELIMINATORS MANUFACTURED BY J.R. SMITH, JOSAM OR PRECISION PLUMBING PRODUCTS, INC., MAY BE USED. INSTALL ACCESS DOORS IN CHASE WALLS, ETC FOR ACCESS TO SHOCK ELIMINATORS.

13. PRESSURE BACK FLOW PREVENTION DEVICE: BACK FLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED UNDER ASME STANDARD #1013 USCFCC MANUAL, AWWA STANDARD C506 AND BE APPROVED BY EPA, LOCAL AND STATE CODES.

(1/2" THRU 2") - REDUCED PRESSURE PRINCIPLE BACK FLOW PREVENTION DEVICE SHALL INCLUDE SHUTOFF VALVES, STRAINER, TEST COCKS, AND FULL SIZE DRAIN WITH AIR GAP CONNECTION DEVICE "WATTS" 000 6

* From Spec Page of Prints

- d. ASPHALT-COATED SERVICE WEIGHT CAST IRON, HUBLESS END JOINTS FOR SANITARY AND VENT "CLAMP-ALL" #80
- e. PLASTIC PVC, SCHEDULE 40 ASTM D2665-82, DMV WITH SOLVENT WELDED SOCKET JOINTS (NOT PERMITTED IN RETURN AIR PLENUMS).

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8. DOMESTIC WATER PIPING VALVES

- a. BALL: 125 PSI, BRONZE BODY, TEFLON TRIM, "WATTS" B-6000 WITH EXTENDED HANDLE SLEEVE FOR INSULATION.

- b. CHECK: 125 PSI, BRONZE BODY AND TRIM, "CRANE" 37

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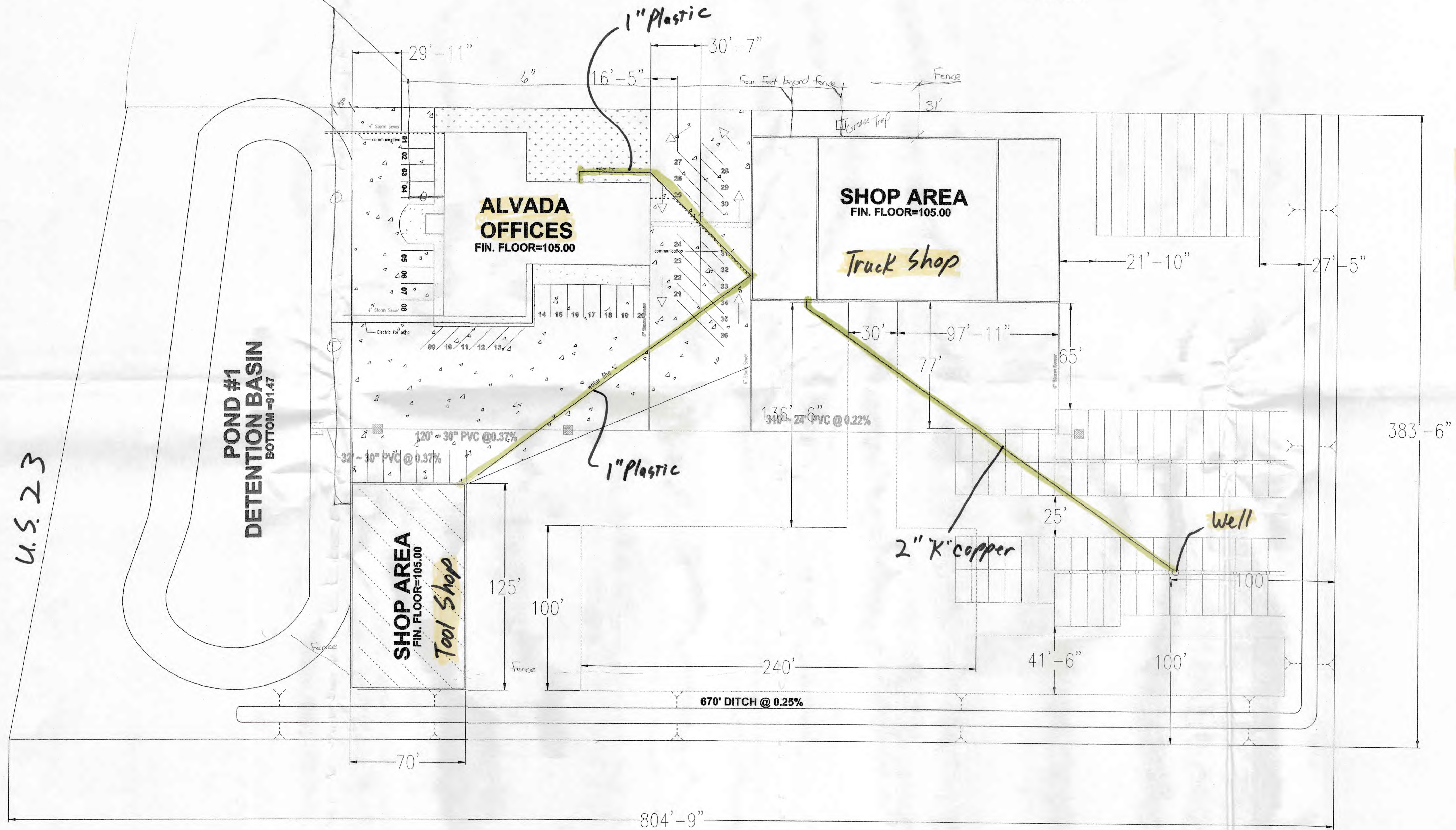
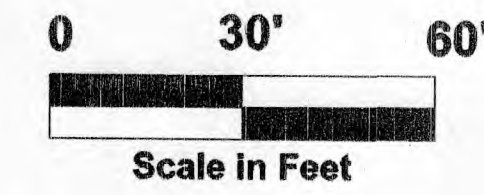
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U.S. 224



U.S. 23

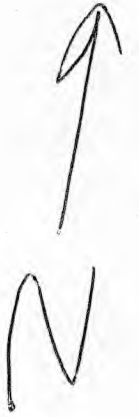
Site Map

NO.	REVISIONS		DATE
	DESCRIPTION	DATE	DATE
	DESCRIPTION	DATE	DATE
	DESCRIPTION	DATE	DATE
	DESCRIPTION	DATE	DATE
	DESCRIPTION	DATE	DATE

DRAWING DESC
CLIENT/CONAME
CLIENT/CONTACT
CLIENT/ADDRESS
CLIENT/PHONE



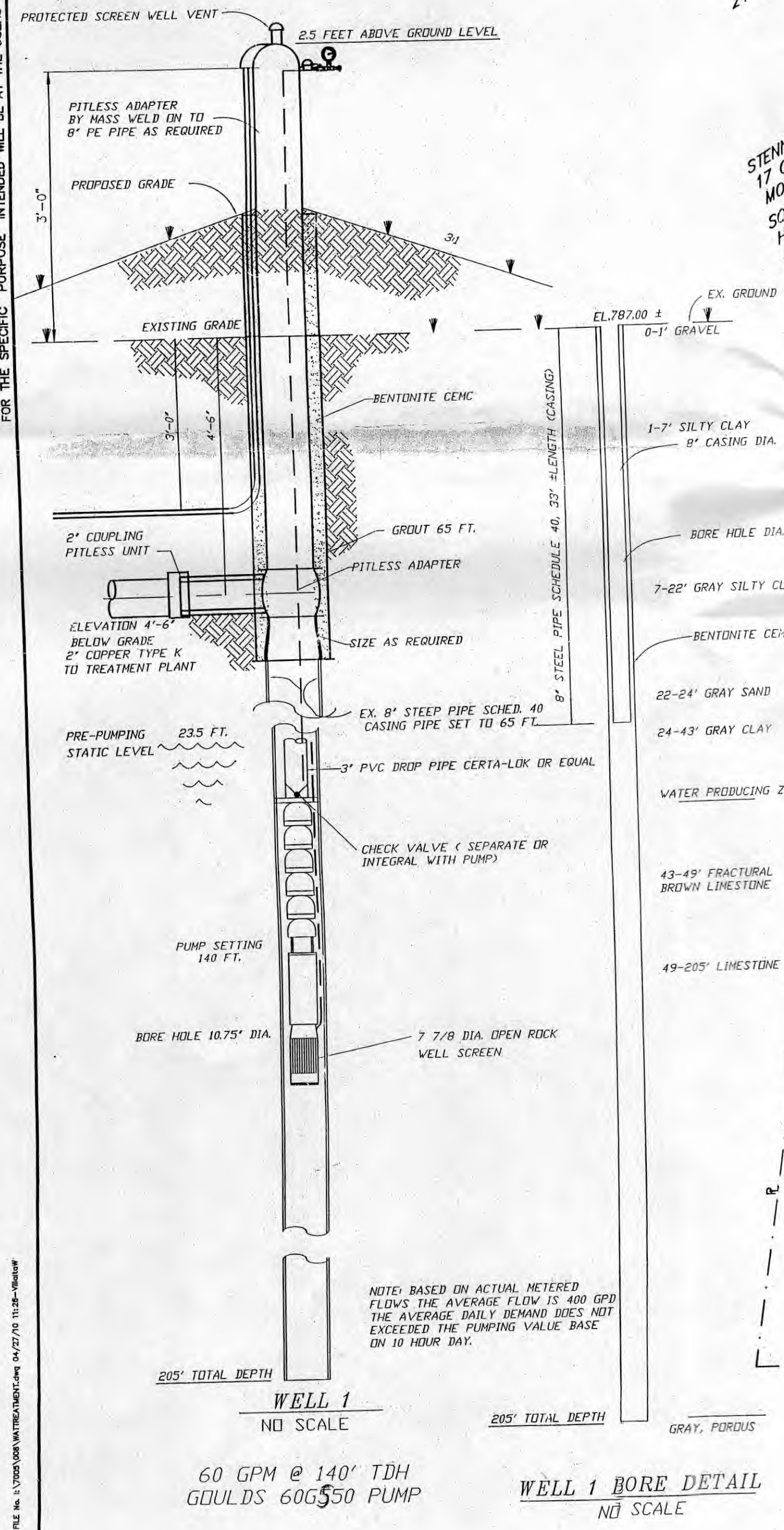
Key
Non-Lead:



FILE No. 1-7005-008 WATER TREATMENT 04/27/10 11:28-000008



MICHAEL DILLON ACI
Michael Atherine, Jr.
MICHAEL ATHERINE, JR. P.E.-43597

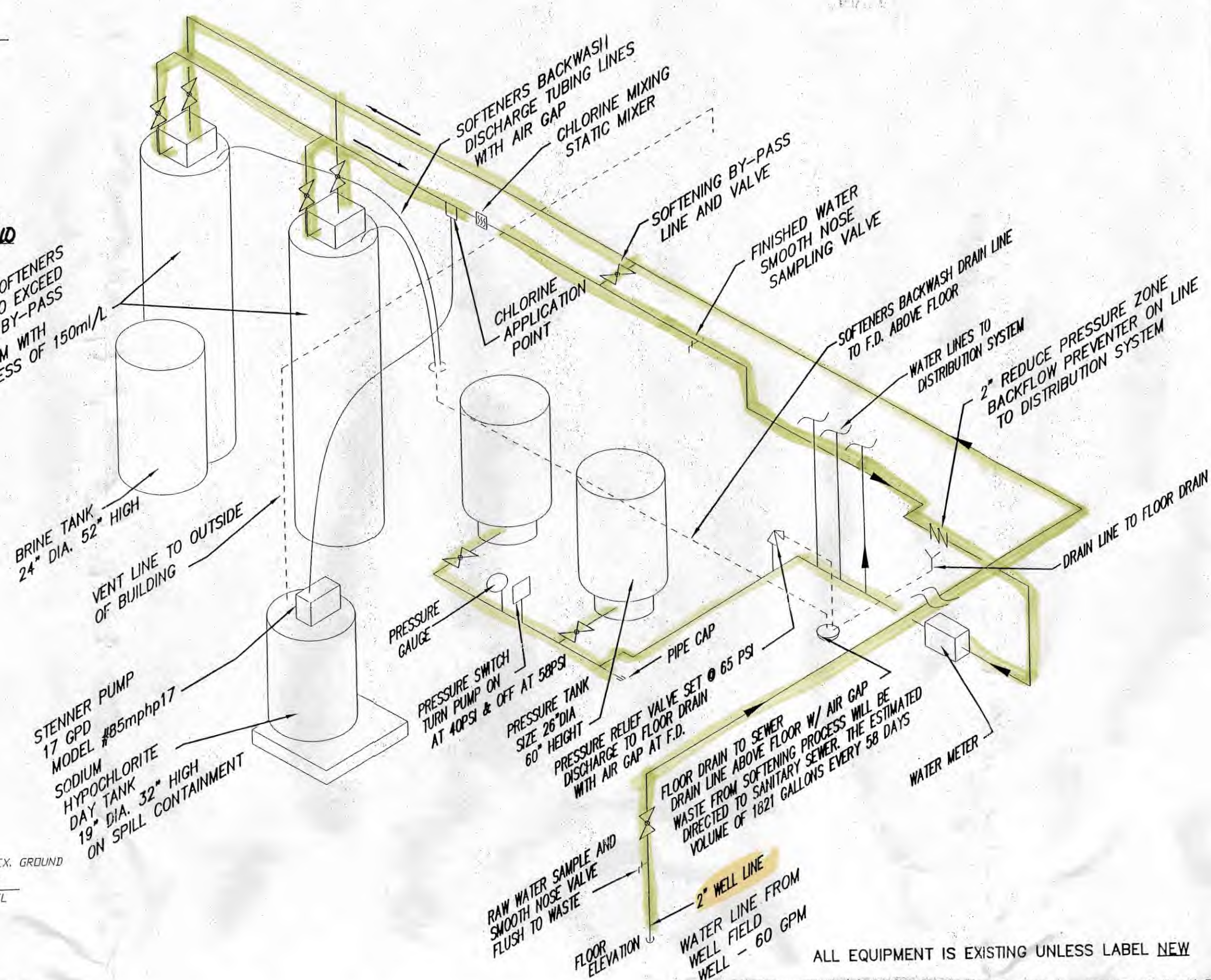


60 GPM @ 140' TDH
GOULDS 60G550 PUMP

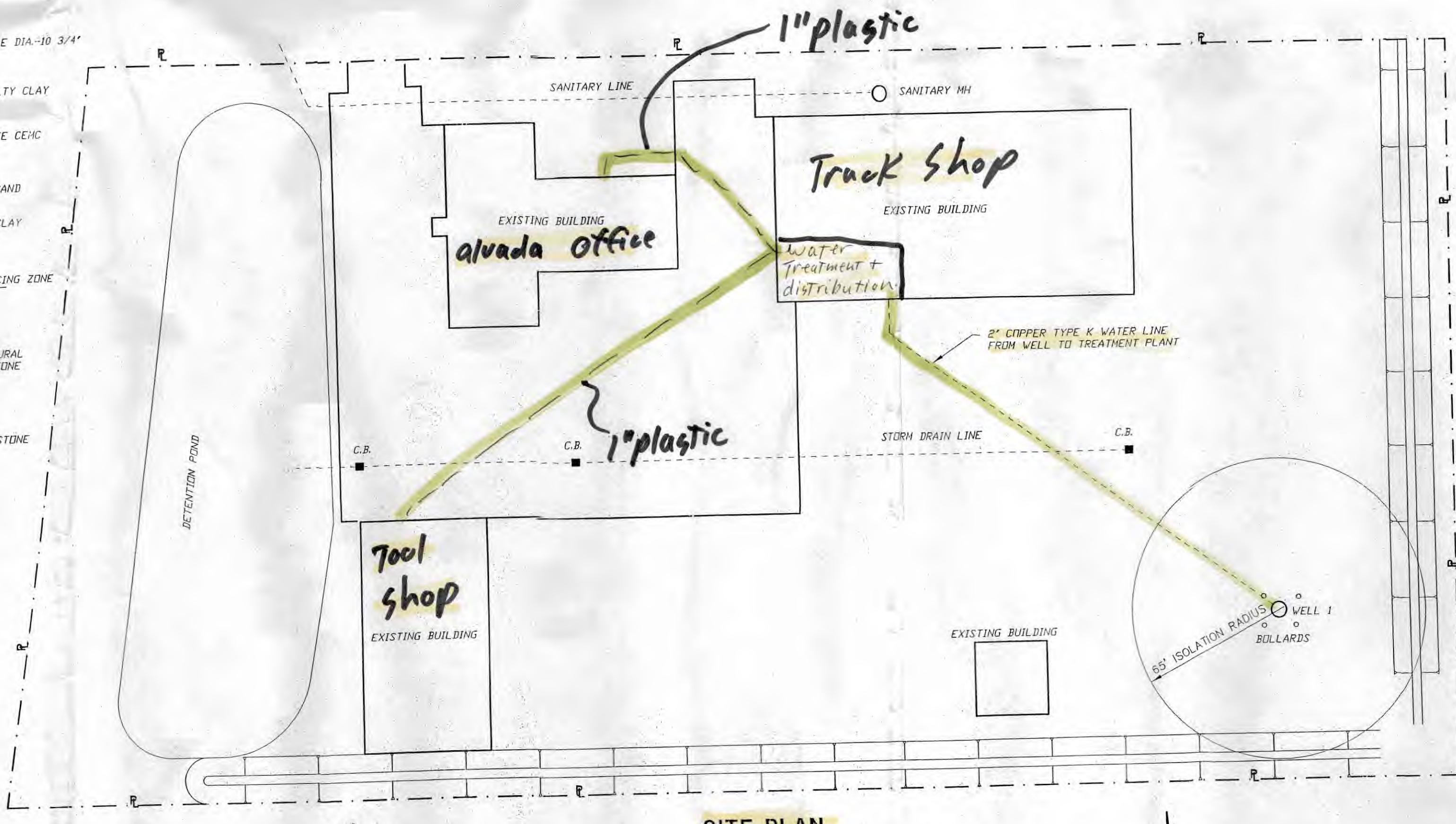
WELL 1 BORE DETAIL
NO SCALE

DATE
3/17/10

24" DIA. x 72" HIGH SOFTENERS
FLUX VALUE NOT TO EXCEED
7 GPM / SQ. FT. BY-PASS
VALVE AT 16 GPM WITH
TARGET HARDNESS OF 150ml/L

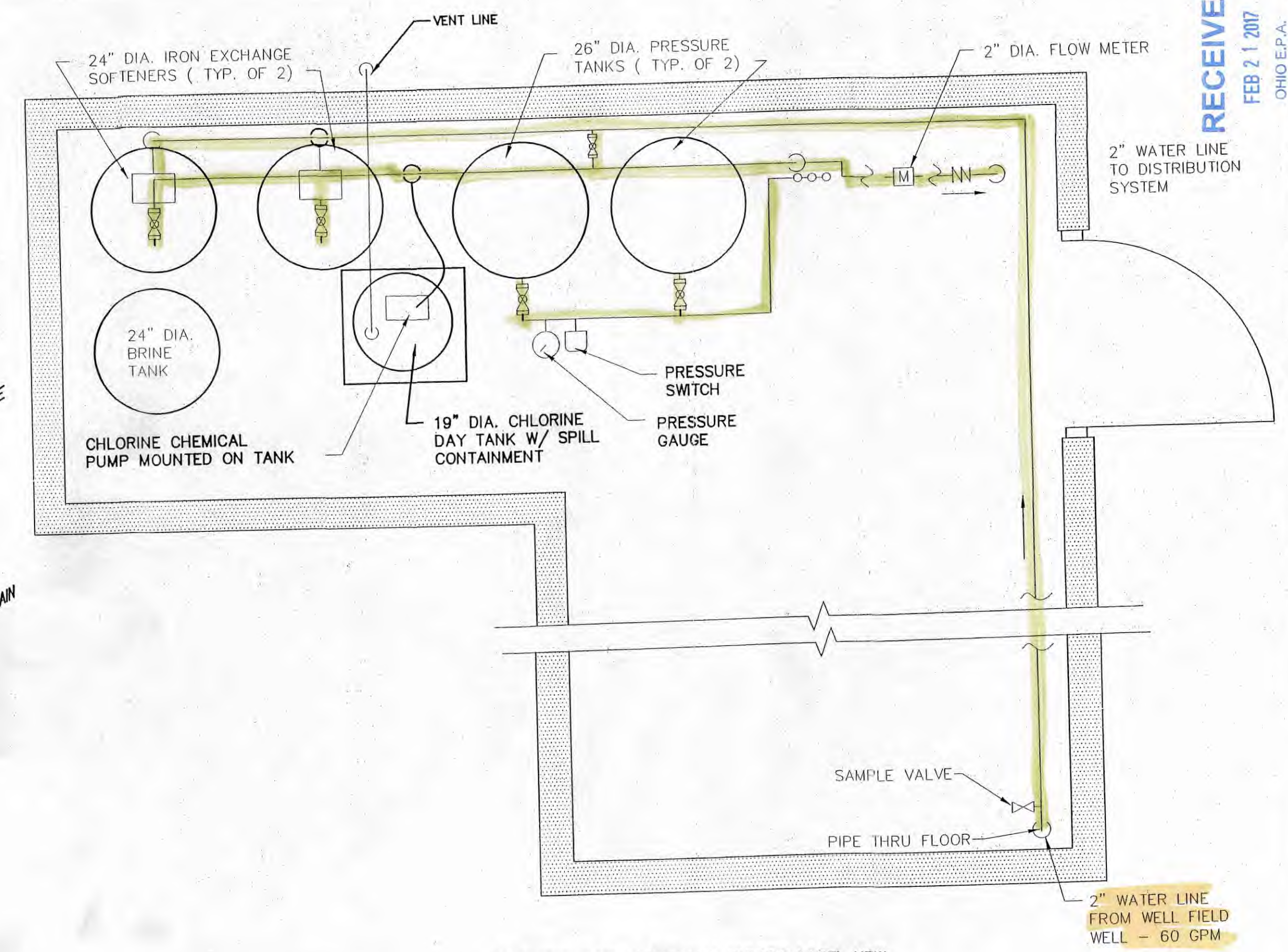


ALL EQUIPMENT IS EXISTING UNLESS LABEL NEW
FLOW ISOMETRIC DIAGRAM
NOT TO SCALE



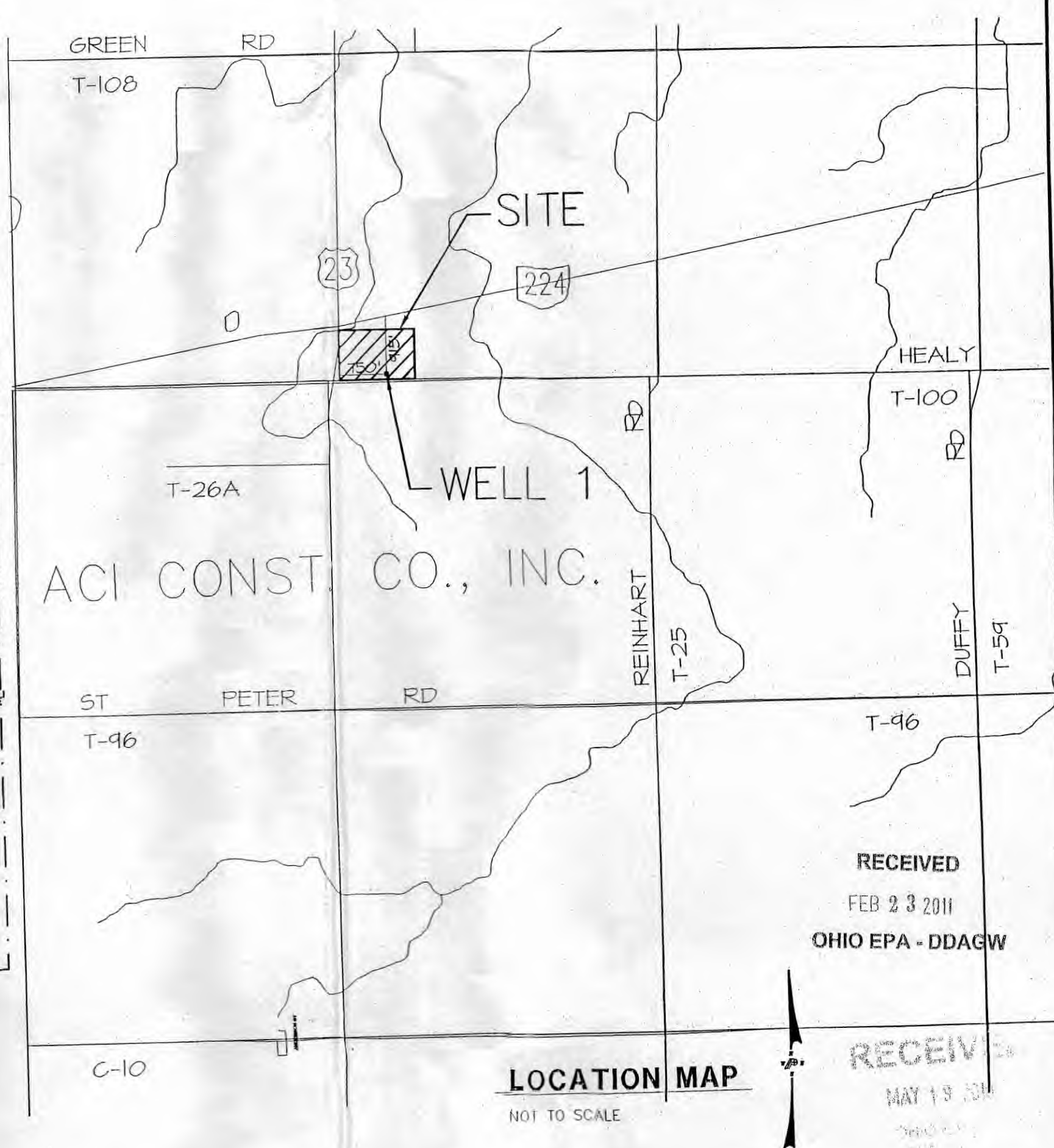
Key
Non-Lead =

SITE PLAN



ALL EQUIPMENT IS EXISTING UNLESS LABEL NEW

PLAN VIEW
SCALE 1/2" = 1'-0"



LOCATION MAP
NOT TO SCALE

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FEB 23 2011
OHIO EPA - DDAGW

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MAY 19 2011



POGEMEYER DESIGN GROUP, INC.
ARCHITECTS
1168 NORTH MAIN STREET
BOWLING GREEN, OHIO 43402
(419) 352-7537

ACI CONST. CO., INC.
WATER SYSTEM TREATMENT
SENECA COUNTY, OHIO

PLAN & ISO.
SCHEMATIC DIAG.
CAUSTIC SODA

DRAWN BY	CHECKED BY
JRF	JRF
REVISION	

1 OF 1
JOB NUMBER
7005-008

Approved *Water System Drawings*
2/28/2011

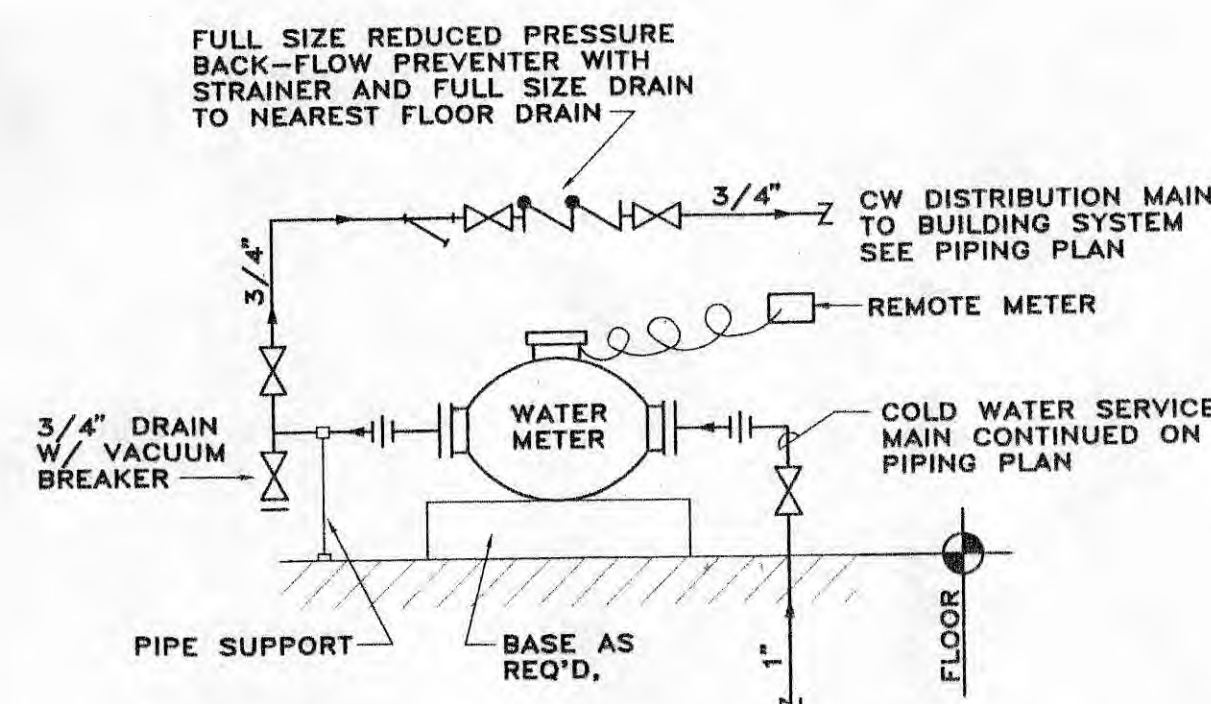
Mike D. Linn 5.4.10

PLUMBING LEGEND

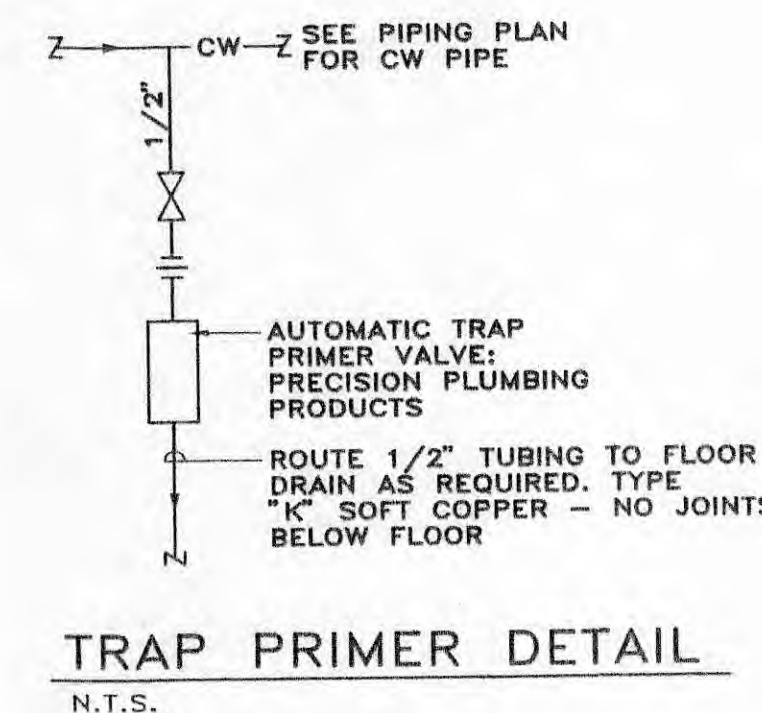
---	3/4" DOMESTIC COLD WATER PIPING	(CW)
---	1" UNDERGROUND COLD WATER PIPING	(UCW)
---	3/4" DOMESTIC HOT WATER PIPING	(HW)
---	3/4" DOMESTIC HOT WATER RETURN PIPING	(HWR)
→	FLOW DIRECTION	
	UNION	
⊥	SHUTOFF VALVE	
⌞	CHECK VALVE	
⌞	3-WAY MIXING VALVE	
⌞	BACK-FLOW PREVENTER	
⌞	SAFETY OR RELIEF VALVE	
⌞	AUTOMATIC TRAP PRIMER VALVE	
+	FREEZE-PROOF WALL HYDRANT	
⌞	THERMOMETER W/ RANGE	
⌞	PIPING ELBOW DOWN	
⌞	PIPING ELBOW UP	
⌞	PIPING TEE DOWN	
⌞	PIPING TEE UP	
⌞	FLOOR DRAIN	
⌞	WATER METER	
P.C.	PLUMBING CONTRACTOR	

Key

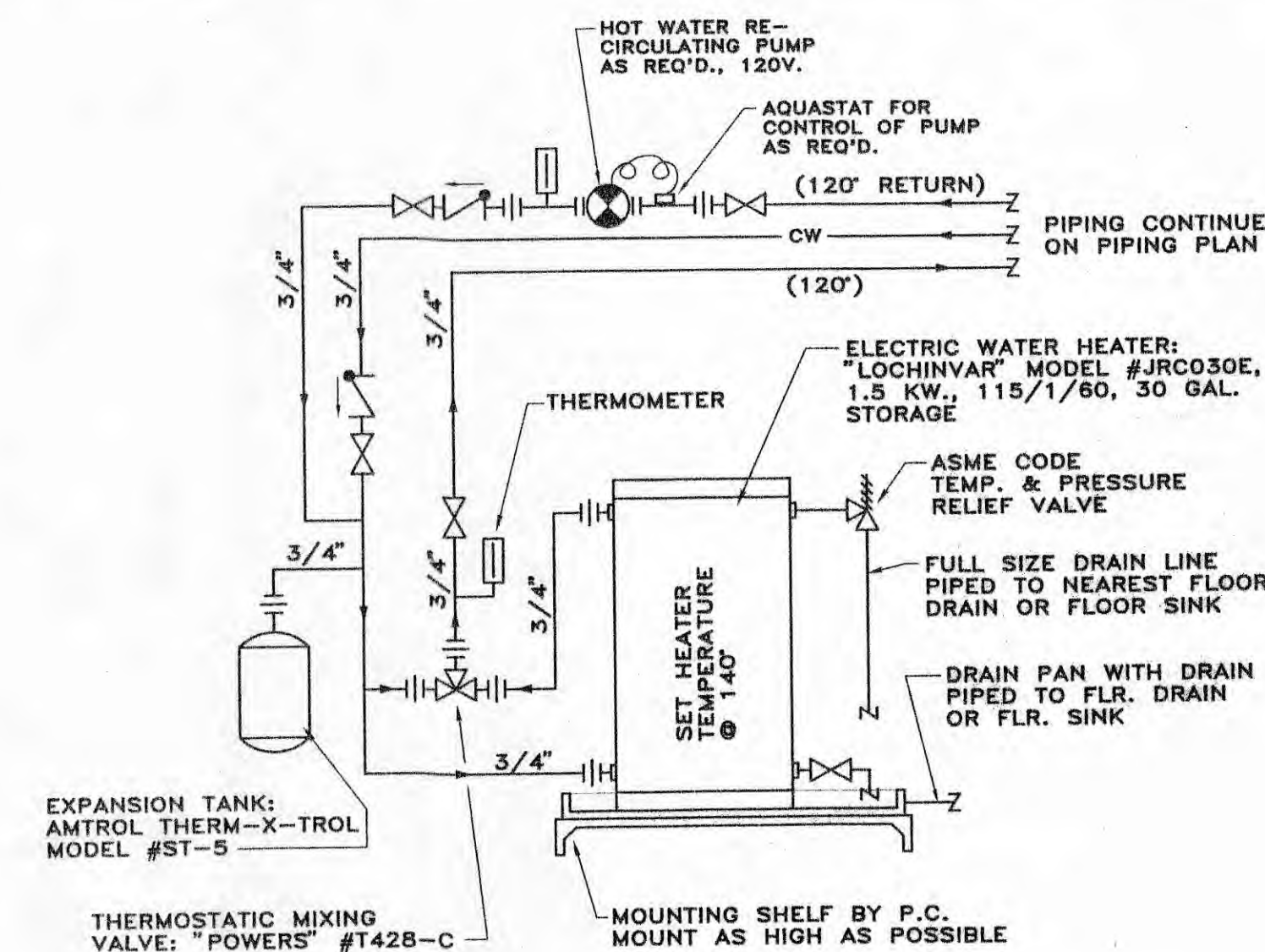
non-Lead:



WATER METER PIPING DETAIL
N.T.S.



TRAP PRIMER DETAIL
N.T.S.



WATER HEATER DETAIL: WH-4
N.T.S.

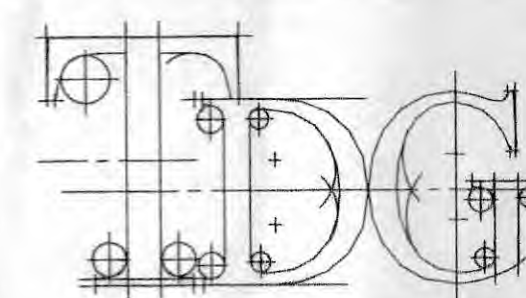


SUPPLY WATER PIPING PLAN
SCALE 1/4" = 1'-0"

Alvada Office:

* See Details from copy of Partial Spec. Page of Prints

Corporate Office
Alvada Construction, Inc.
Alvada, Ohio

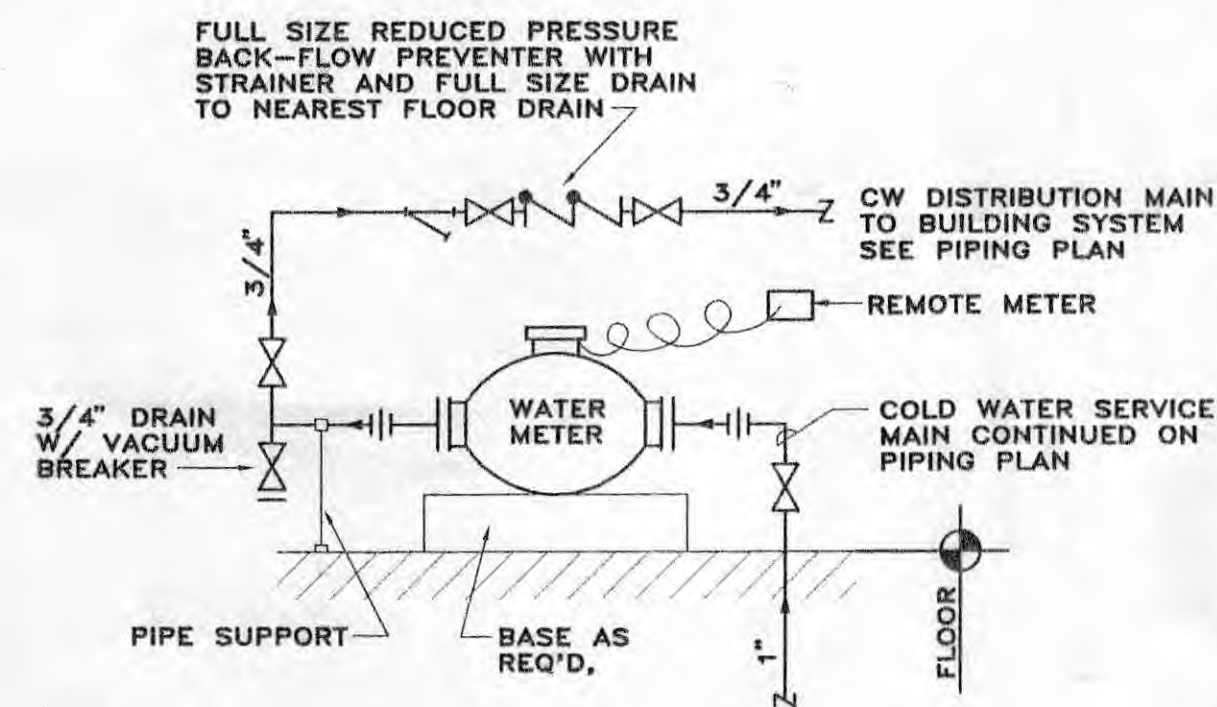


TECHNICON DESIGN GROUP, INC.
Architecture • Engineering • Planning

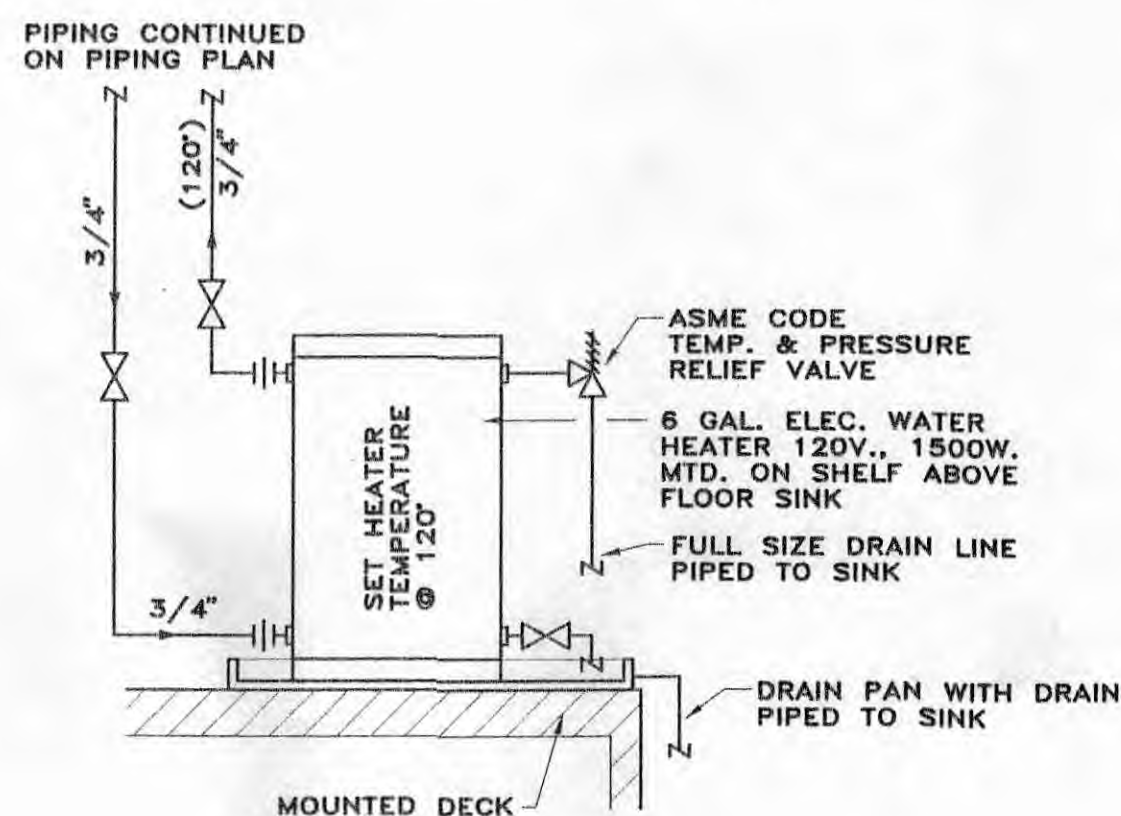
The Annandale Office Complex
1800 N. Perry St., Suite 200
Ottawa, Ohio 45875
Phone: (419) 523-5323
Facsimile: (419) 523-9441



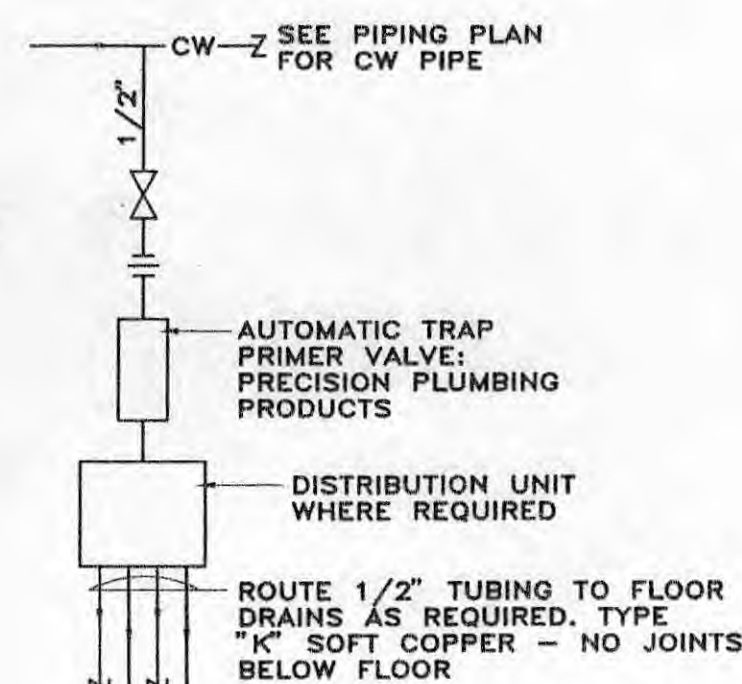
REVISED	DRAWN BY	GTG/DMA
	CHECKED	
	DATE	2-99
PRINTED	SCALE	AS NOTED
AUG 25 1999	JOB NO.	7-820-99
TECHNICON DESIGN GROUP, INC. 1800 N. Perry St., Suite 200 Ottawa, Ohio 45875	SHEET	DWV-2
	OF	3 SHEETS



WATER METER PIPING DETAIL
N.T.S.



WATER HEATER DETAIL: WH-1
N.T.S.



TRAP PRIMER DETAIL
N.T.S.

Key
non-Lead: █

PLUMBING FIXTURE SCHEDULE							
DESCRIPTION	SYMBOL	CW	HW	WASTE	VENT	SPECIFICATIONS	
WATER CLOSET FLOOR SET-TANK TYPE ADA		WC-1	1/2"	---	3"	2"	KOHLER MODEL #K-3427, WHITE VITREOUS CHINA, SIPHON JET, 16 1/2" HIGH ELONGATED BOWL, 2" GLAZED TRAPWAY, 1.6 GALLON FLUSH, SEAT; OLSONITE #95-CC-SS. SUPPLY; DEARBORN BRASS #3112 SCW. TRIP LEVER TO BE ON THE LEFT SIDE OF THE TANK.
URINAL FLOOR MTD.-FLUSH VALVE ADA		UR-4	3/4"	---	2"	1 1/2"	KOHLER MODEL #K-4920-T, WHITE VITREOUS CHINA, WATER SAVER, WASHOUT, 1.0 GALLON FLUSH AND 3/4" BRASS TOP SPUD, FLUSH VALVE; SLOAN #186-YB-1, CARRIER; ZURN #Z-1222, WATER HAMMER ARRESTOR, SIZE PSI 'A'. MOUNTED IN FLOOR PER MANUFACTURER RECOMMENDATIONS ADA COMPLIANT.
LAVATORY-WALL HUNG ADA		LAV-1	1/2"	1/2"	1 1/2"	1 1/2"	KOHLER MODEL #K-2032, WHITE VITREOUS CHINA, 20"x18" WALL HUNG LAVATORY WITH 4" FAUCET CENTERS & DRILLED FOR CONCEALED ARM CARRIER, CARRIER; ZURN #Z-1231. SUPPLIES; BRASS CRAFT #SCR-1912-A, DRAIN; KOHLER #K-7715, TRAP; DEARBORN BRASS #707. FAUCET; KOHLER #K-15592 (SINGLE LEVER TYPE), INSULATE ALL PIPING BELOW SINK WITH TRUE BRO MODEL #102W, MOUNTED AT ADA HEIGHT. W/ MIXING VALVE, SET WATER TEMPERATURE AT 110°.
UTILITY SINK - MOLDED STONE SINGLE COMPARTMENT		USK-1	1/2"	1/2"	1 1/2"	1 1/2"	FIAT PRODUCTS MODEL #FL-1, MOLDED STONE WITH SELF-LEVELING LEGS. FAUCET; CHICAGO #1891. SUPPLIES; DEARBORN BRASS #6312S. TRAP; DEARBORN BRASS #710.
ELECTRIC WATER COOLER WALL HUNG-ADA		EWC-1	1/2"	---	1 1/2"	1 1/2"	OASIS MODEL #PBAM, 7.8 GPH OF 50°F DRINKING WATER, (115/1/60-1/5 HP). VINYL COVERED STAINLESS STEEL PANELS. TRAP; DEARBORN BRASS #707. SUPPLY; BRASS CRAFT #SCR-1912-A.
CLEANOUT TO GRADE		COTG	---	---	REFER TO DWGS	---	ZURN MODEL #Z-1406-HD-VP, EXTERIOR CLEANOUT, HEAVY DUTY WITH VANDAL PROOF SCREWED TOP.
FLOOR DRAIN		FD-1	---	---	3"	---	ZURN MODEL #ZN-415-P-ZB, COATED CAST IRON BODY, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR, PRIMER CONNECTION AND 6" ROUND "TYPE B" POLISHED NICKEL BRONZE STRAINER.
FLOOR DRAIN		FD-5	---	---	3"	---	ZURN MODEL #Z-539, 12" DIAMETER TOP DRAIN, DURA-COATED CAST IRON DEEP SUMP WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME WITH SEDIMENT BUCKET AND HEAVY DUTY SLOTTED GRATE AND PRIMER CONNECTION.
6 GALLON WATER HEATER		WH-1	3/4"	3/4"	---	---	6 GALLON ELECTRIC WATER HEATER, 1500W., 120V, 13A, 1 PHASE ENERGY SAVER MODEL, 14"x16 1/4"H, 34 LBS. (EMPTY). LOCHINVAR MODEL NO. JRC006E. MOUNT ON SHELF ABOVE SINK.
TRAP PRIMER		TP-1	---	---	---	1/2"	TRAP PRIMER - 1/2" TUBING TYPE "K" SOFT COPPER - NO JOINTS BELOW FLOOR ROUTED TO DISTRIBUTION UNIT WHEN REQUIRED & AUTOMATIC TRAP PRIMER VALVE BY PRECISION PLUMBING PRODUCTS.

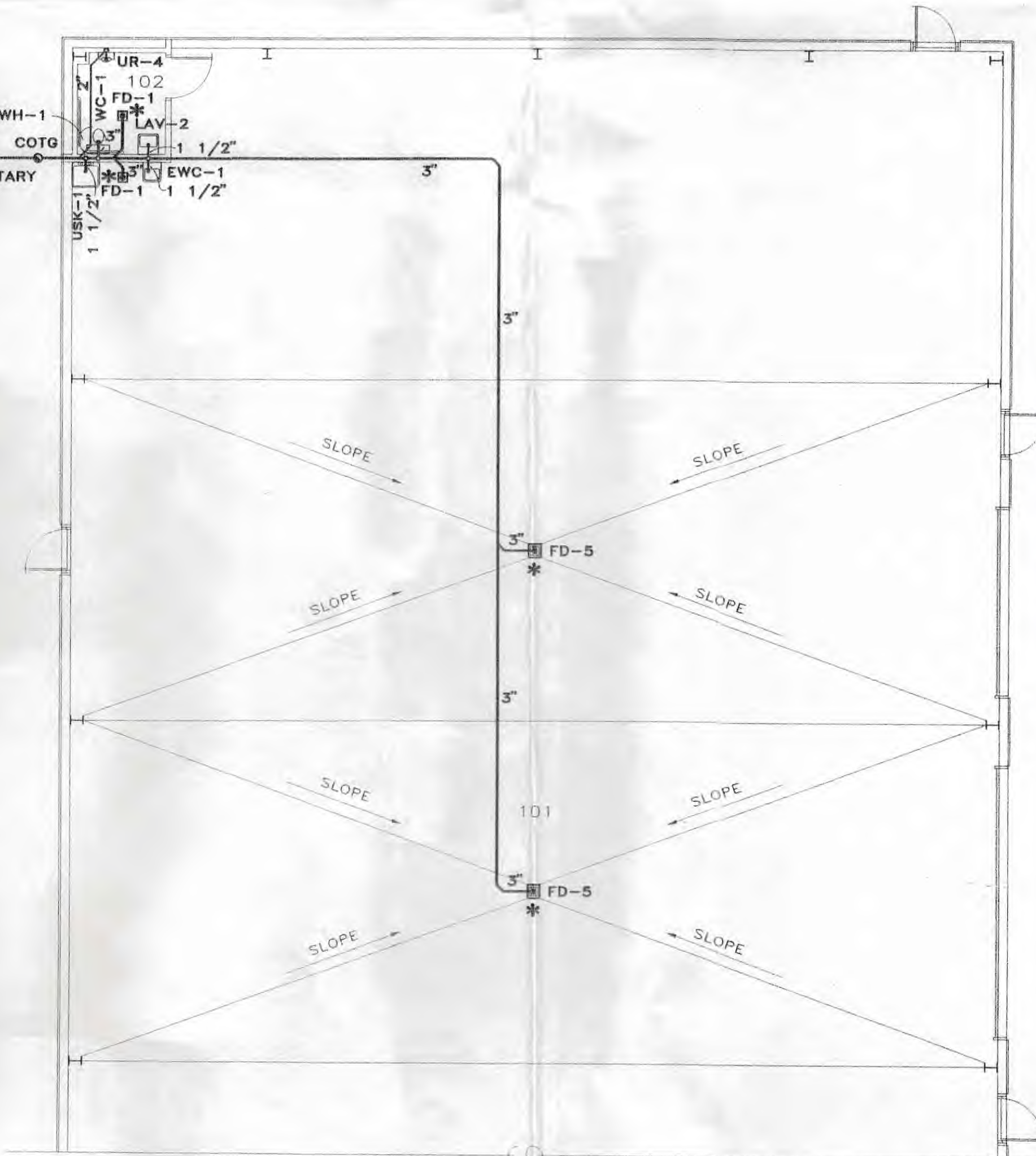
NOTE: OWNER MAY SUBSTITUTE FIXTURES & DEVICES OF EQUAL QUALITY FOR THOSE INDICATED ON FIXTURE SCHEDULE.

D.W.V. ISOMETRIC
N.T.S.

PLUMBING LEGEND

	1" UNDERGROUND COLD WATER PIPING (CW)
	3/4" DOMESTIC COLD WATER PIPING (CW)
	3/4" DOMESTIC HOT WATER PIPING (HW)
	FLOW DIRECTION
	UNION
	SHUTOFF VALVE
	BACK-FLOW PREVENTER
	SAFETY OR RELIEF VALVE
	AUTOMATIC TRAP PRIMER VALVE
	PIPING ELBOW DOWN
	PIPING ELBOW UP
	PIPING TEE DOWN
	PIPING TEE UP
	WATER METER
	P.C.

SUPPLY WATER PIPING PLAN
SCALE 1/8" = 1'-0"



D.W.V. PLAN
SCALE 1/8" = 1'-0"

TOOL Shop

* See Details From Copy of Partial Spec. Page of Prints.

Proposed Shop Building
Alvada Construction, Inc.
Alvada, Ohio

PRINTED	
OCT 14 1999	
TECHNICON DESIGN GROUP, INC. 1800 N. Perry St. - Suite 200 Ottawa, Ohio 45875	
REVISED	
DRAWN BY	GTG/DMA
CHECKED	
DATE	10-99
SCALE	AS NOTED
JOB NO.	44-857-99
SHEET	DWV-1
OF	SHEETS

The Annandale Office Complex
1800 N. Perry St., Suite 200
Ottawa, Ohio 45875
Phone: (419) 523-5323
Facsimile: (419) 523-9441
TECHNICON DESIGN GROUP, INC.
Architecture • Engineering • Planning