

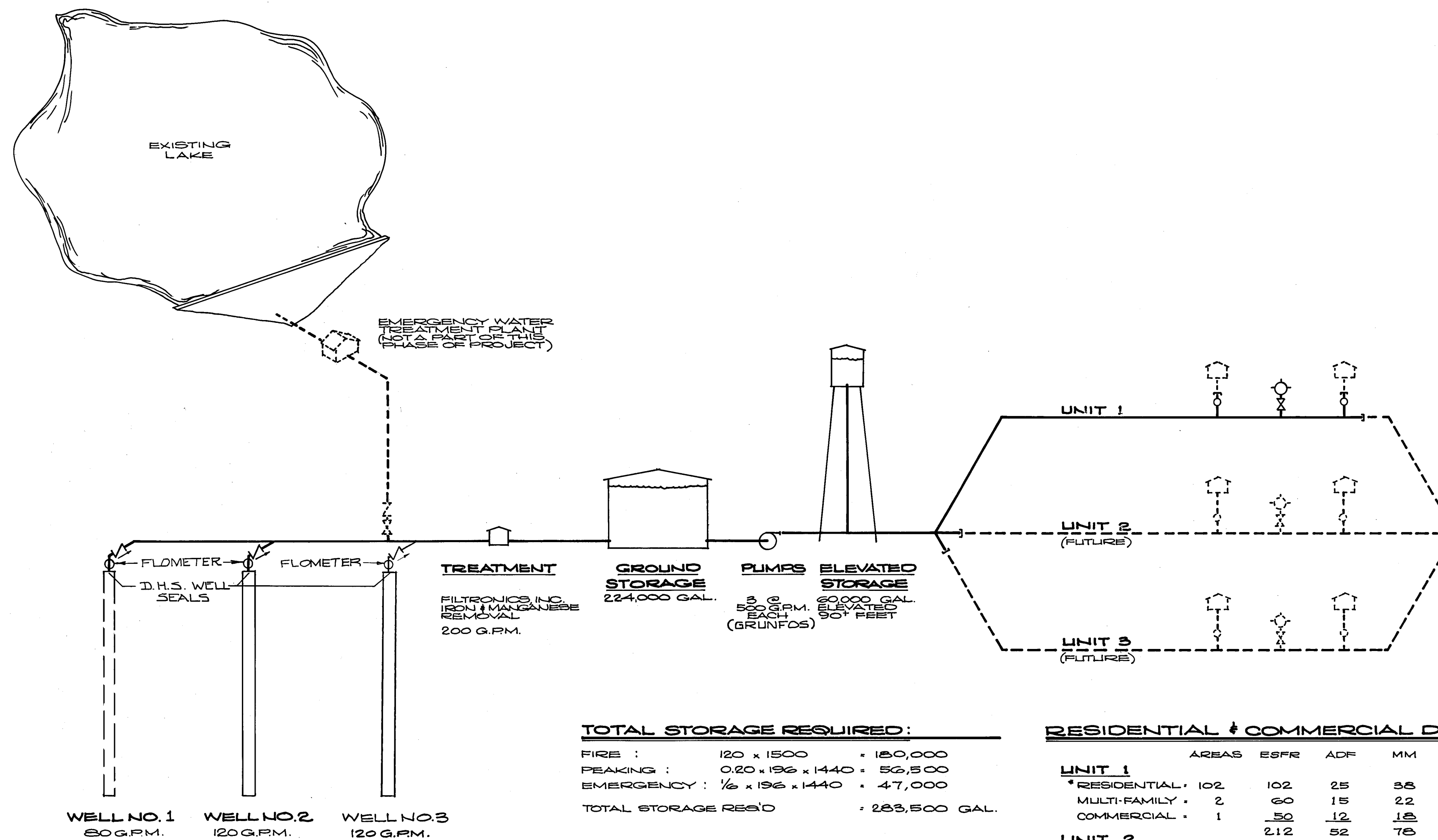
WALLACE LAKE ESTATES

UNIT NO. 1

WATER IMPROVEMENTS

INDEX OF SHEETS

- W-1 COVER SHEET & WATER SCHEMATIC
- W-2 WATER MASTER PLAN
- W-3 WATER TREATMENT & STORAGE
- W-4 WATER DETAILS
- FUTURE PLANT UNDER SEPARATE COVER



TOTAL STORAGE REQUIRED:
 FIRE : 120 x 1500 = 180,000
 PEAKING : 0.20 x 196 x 1440 = 56,500
 EMERGENCY : 1/6 x 196 x 1440 = 47,000
TOTAL STORAGE RES'D : 283,500 GAL.

RESIDENTIAL & COMMERCIAL DEMAND

	AREAS	ESFR	ADF	MM	MD	MH	FIRE
UNIT 1							
* RESIDENTIAL	102	102	25	58	50	75	500
MULTI-FAMILY	2	60	15	22	30	45	1000
COMMERCIAL	1	50	12	18	24	36	1500
UNIT 2							
RESIDENTIAL	85	85	21	51	42	63	500
UNIT 3							
RESIDENTIAL	102	102	25	58	50	75	500
TOTAL EQUIVALENT SFR	399	399	98	147	196	294	

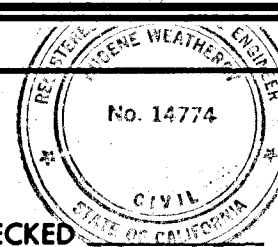
* ADF = 102 x 250 / 1440 = 25 G.P.M.

WATER SYSTEM SCHEMATIC

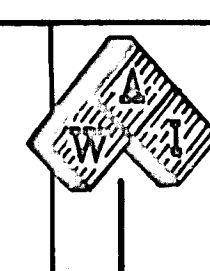
NO SCALE

DIETRICHPOST REORDER NO. 10218

DRAWN BY: R.S. CHECKED: [Signature]
 SUBMITTED BY: [Signature] C. E. NO. 14774
 EXPIRES: 3-31-88



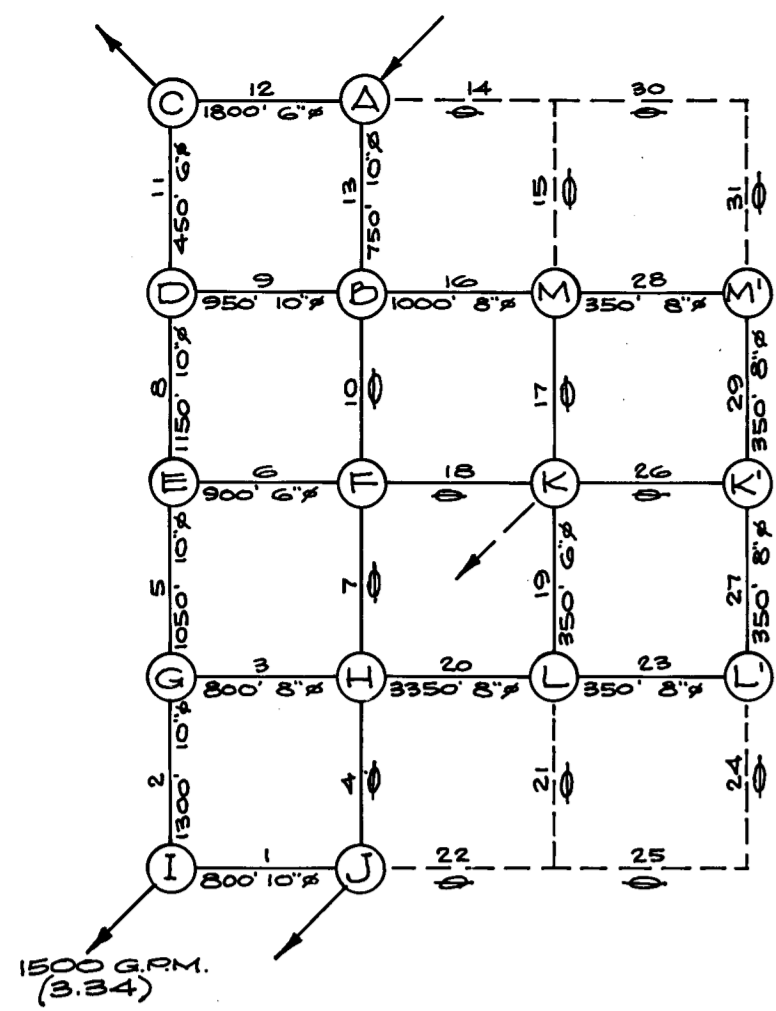
REVISION	DATE	DESCRIPTION	BY	APPD.
1	1/24/88	SHEETS 5 & 6 ADDED	[Signature]	[Signature]



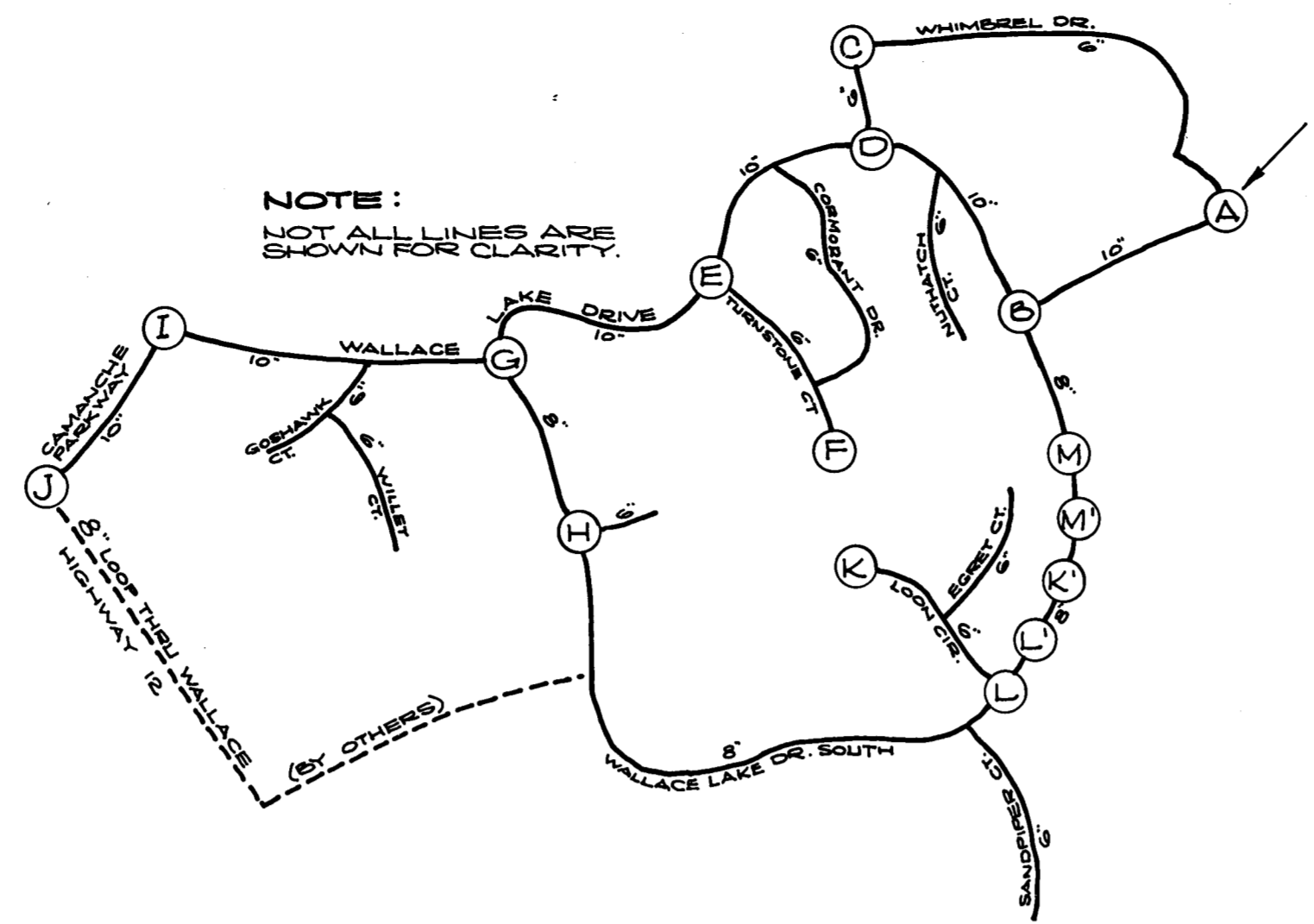
WEATHERBY ASSOCIATES INC.
 ENGINEERING - SURVEYING - PLANNING
 206 Peek Street, Jackson, CA. 95642
 209-223-0381 209-714-1137

WALLACE LAKE ESTATES
UNIT NO. 1
 CALAVERAS COUNTY, CALIFORNIA
WATER SYSTEM SCHEMATIC

DATE	2-18-88
SHEET	W-1
SCALE	NONE
FILE NO.	D-3345
OF	6



HARDY CROSS SYSTEM LAYOUT



OVERALL SYSTEM SCHEMATIC



NOTE:
 OTHER SHEETS IN THIS SET ARE REFERRED TO BY THIS SHEET AND ARE PART OF THE PROJECT. SEE SHEET W-3 FOR WATER TREATMENT & STORAGE.

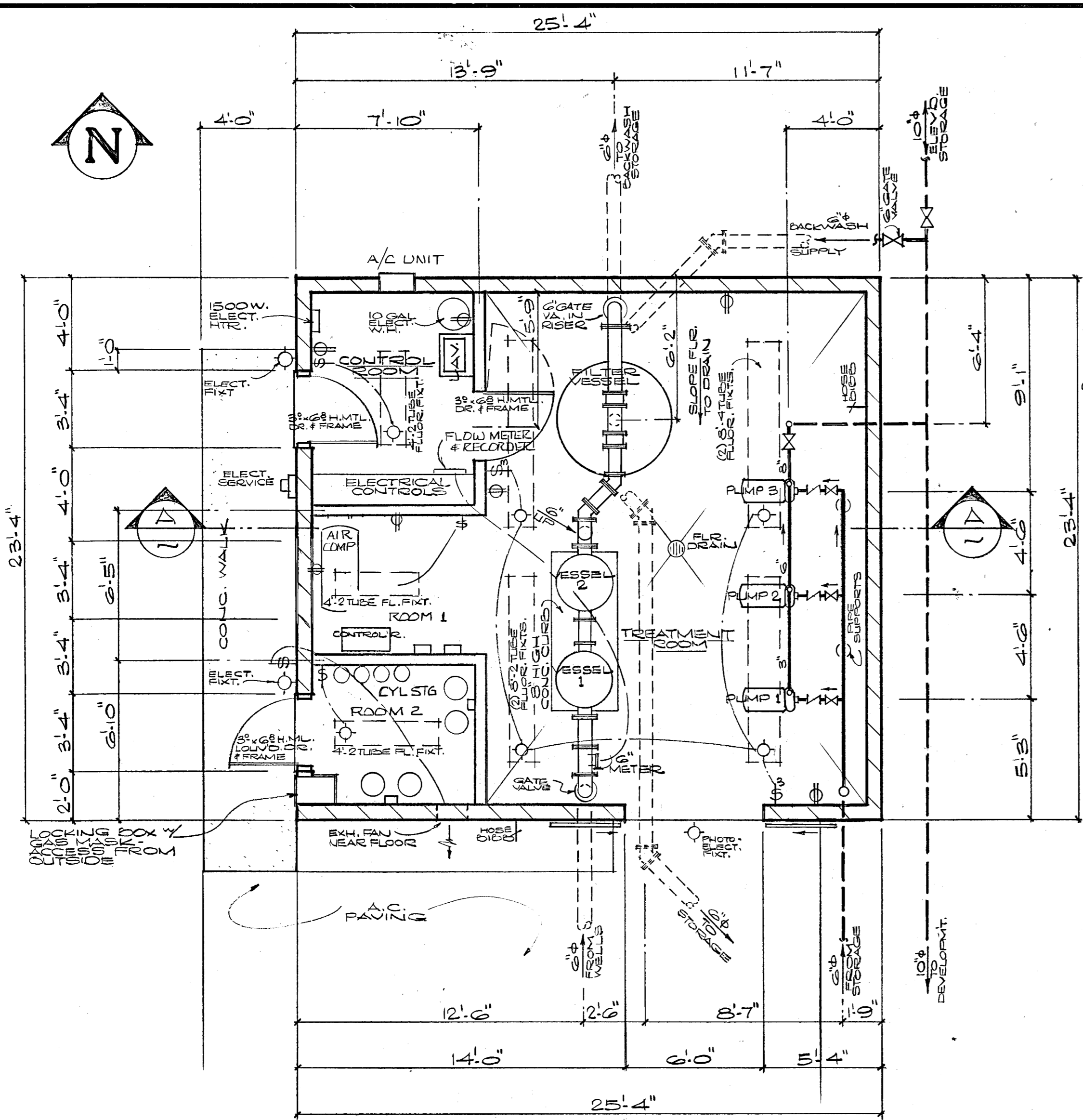
DRAWN BY: R.S. CHECKED: _____
 SUBMITTED BY: [Signature] C.E. NO. 14774 EXPIRES 3-31-09

REVISION	DATE	DESCRIPTION	BY	APPD.
1	4/3/01	LOT NO UPDATE		

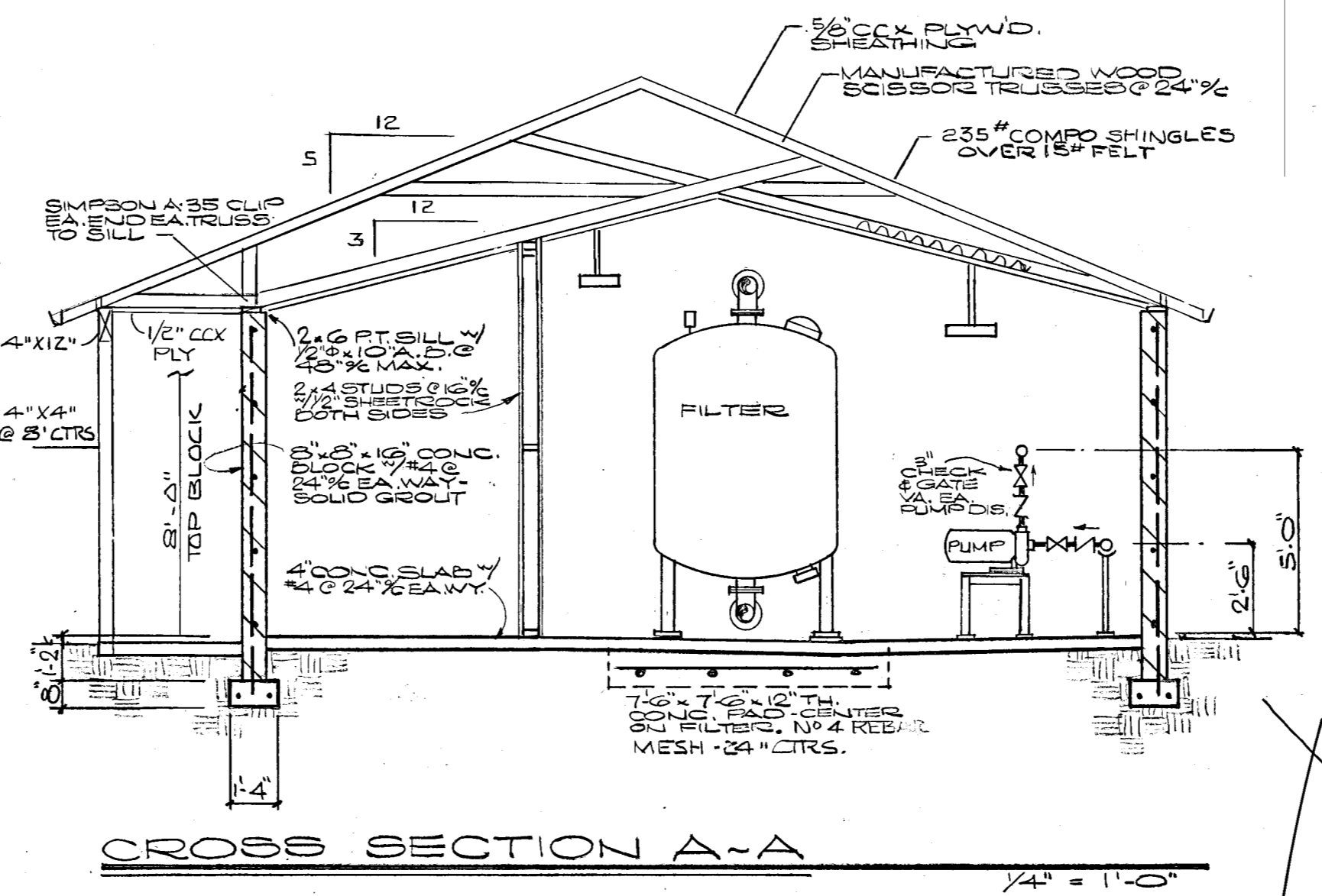
WEATHERBY ASSOCIATES INC.
 ENGINEERING - SURVEYING - PLANNING
 206 Peek Street, Jackson, CA. 95642
 209-223-0381 209-714-1137

WALLACE LAKE ESTATES
UNIT NO. 1
 CALAVERAS COUNTY, CALIFORNIA
WATER MASTER PLAN

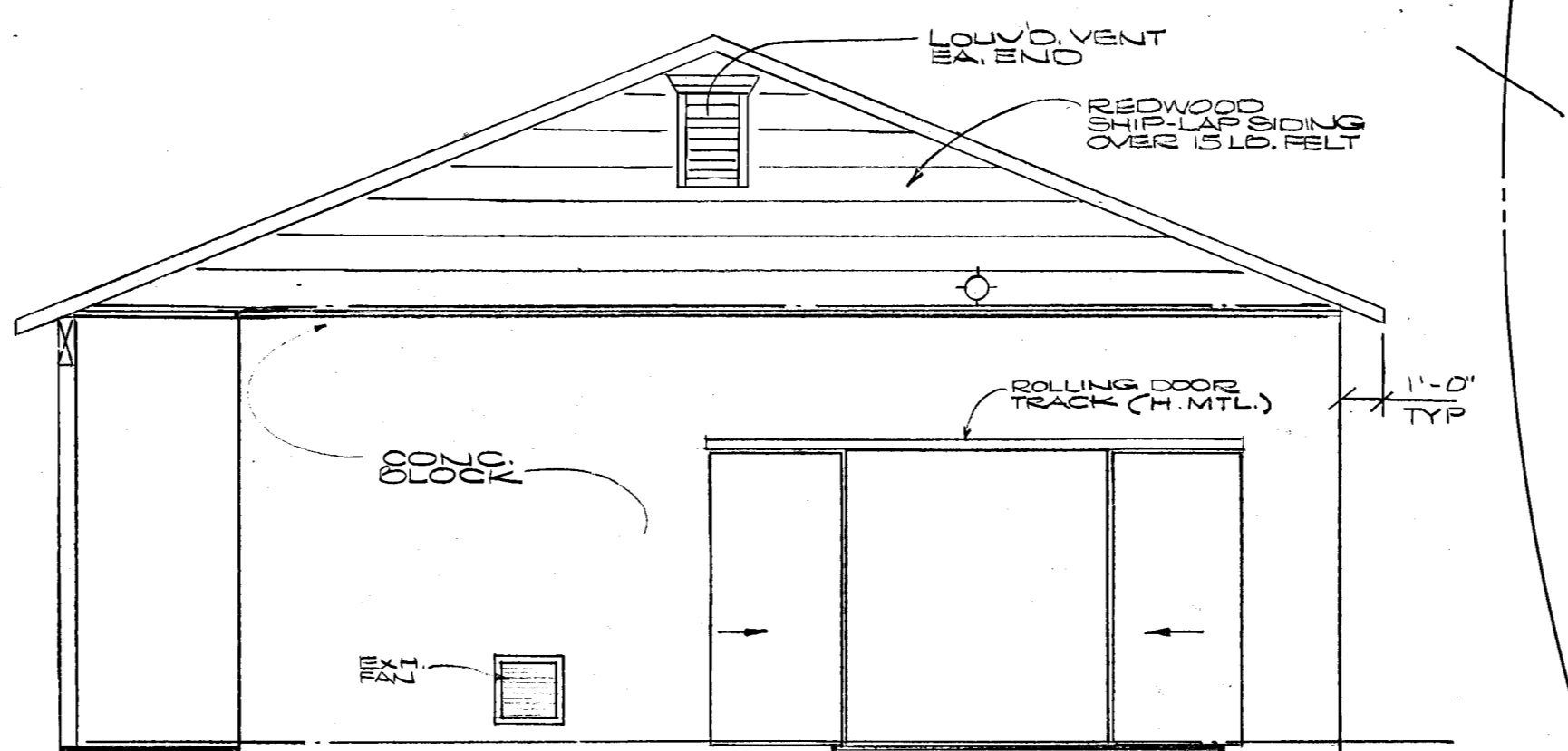
DATE: 2-13-08
 SHEET: W-2
 SCALE: 1" = 200'
 FILE NO.: D-3345
 OF 6



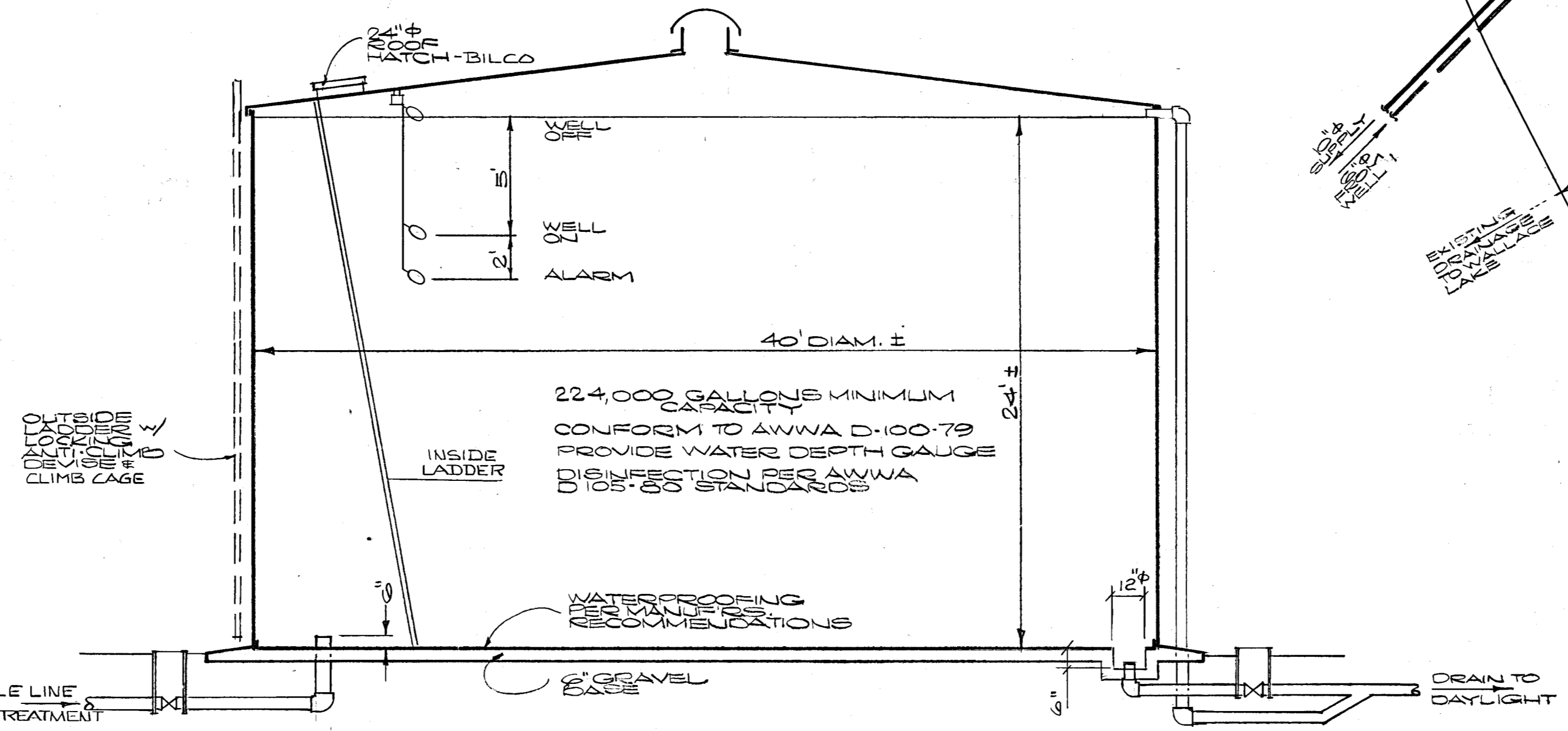
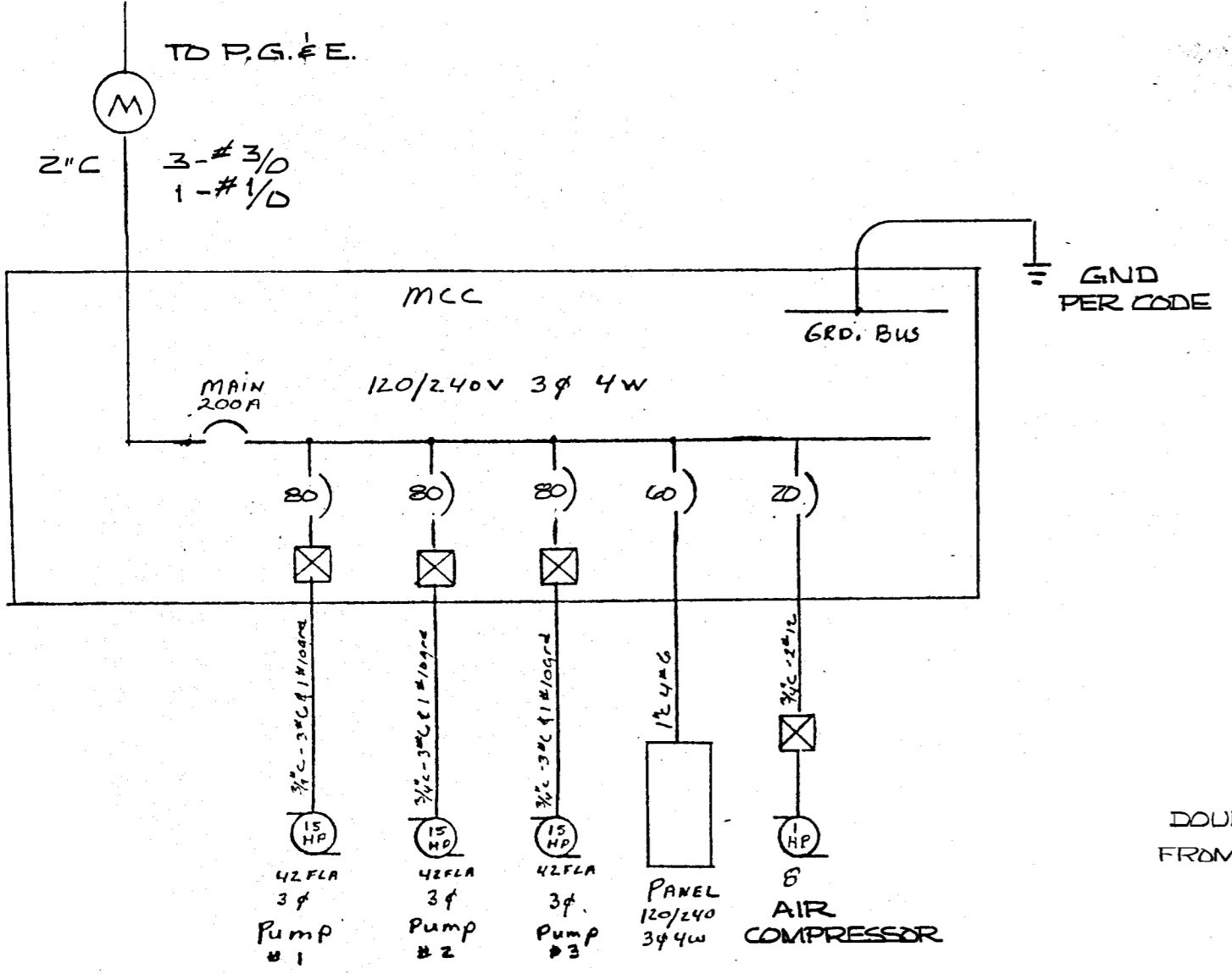
FLOOR PLAN



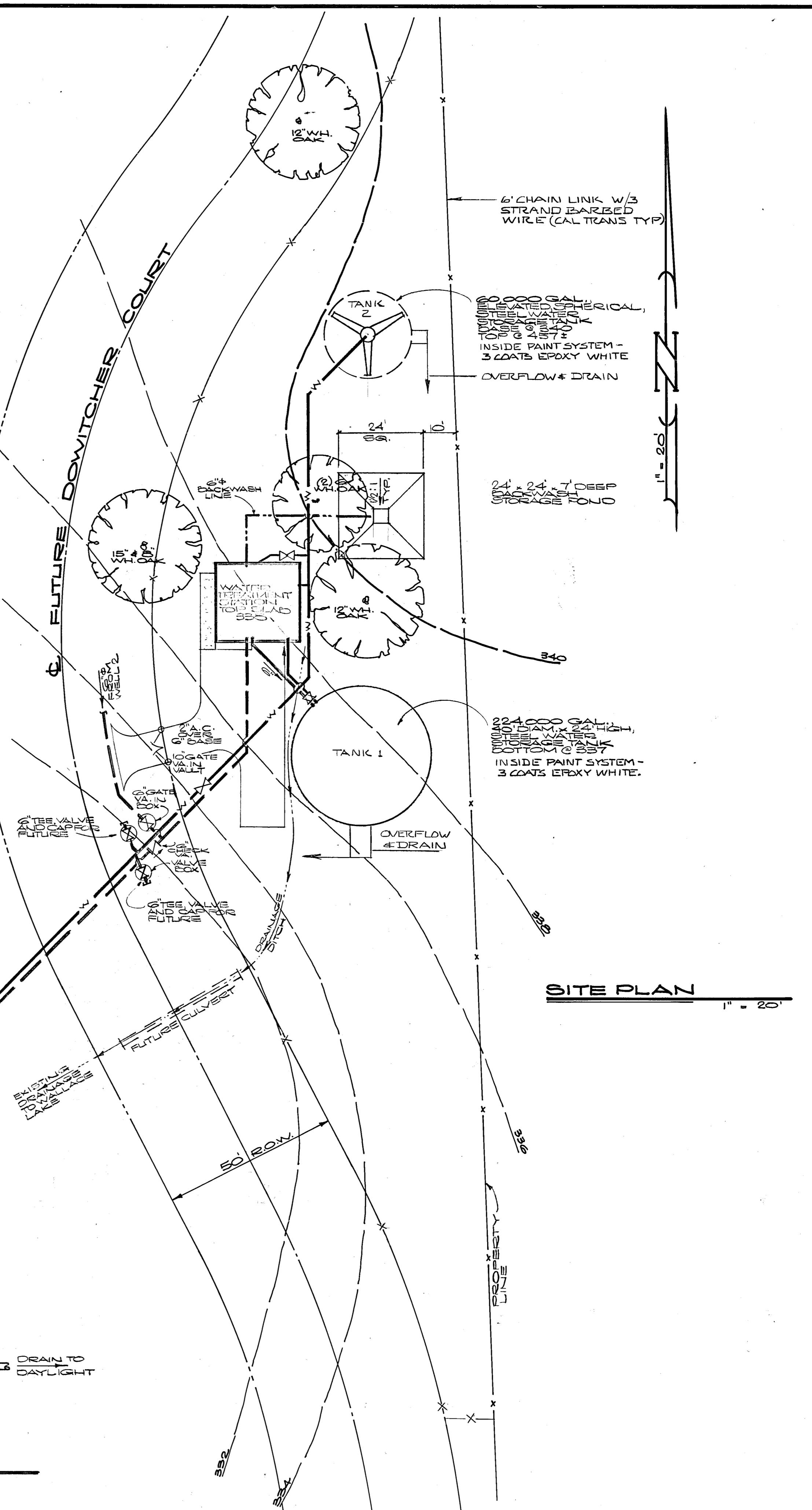
CROSS SECTION A-A



SOUTH ELEVATION



STEEL WATER STORAGE TANK SCHEMATIC SECTION



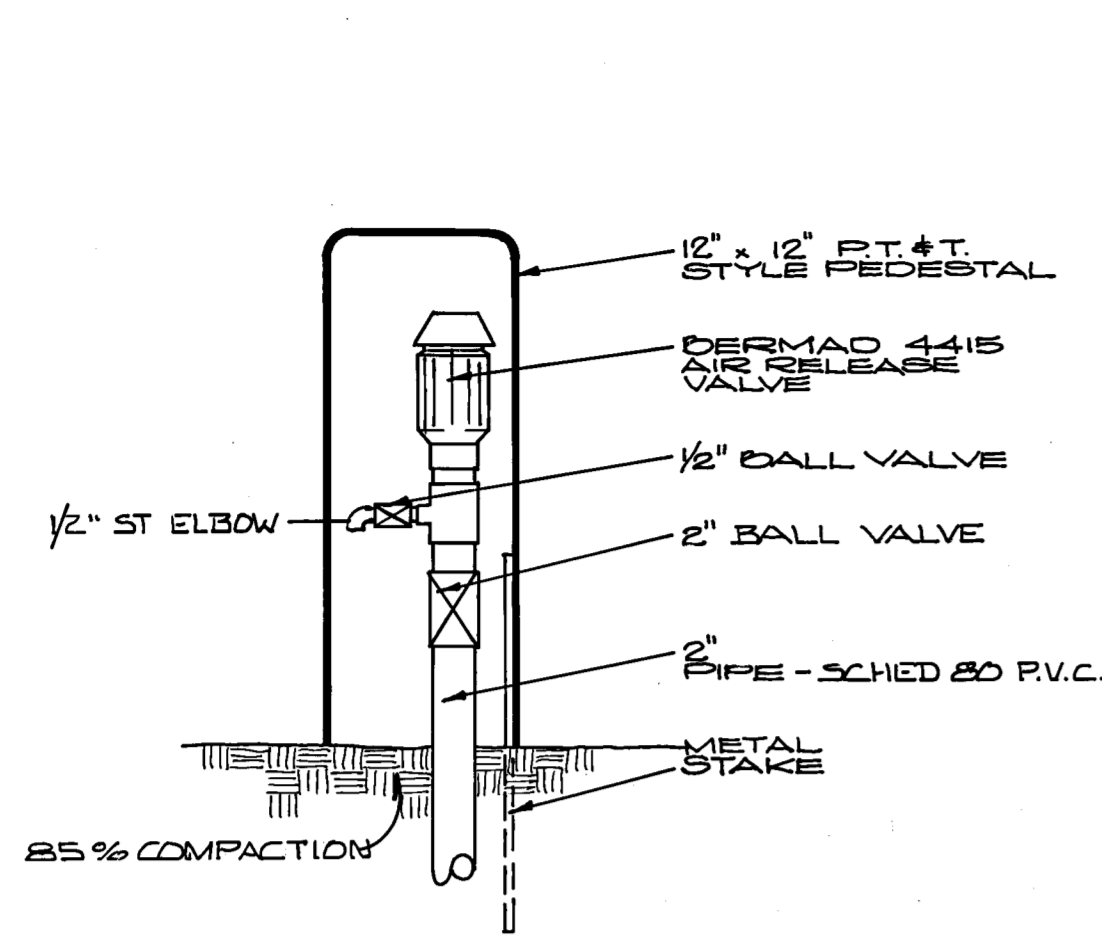
SITE PLAN

DRAWN BY: <u>RS</u> CHECKED: _____ SUBMITTED BY: <u>[Signature]</u> C. E. NO. <u>14774</u> EXPIRES: <u>3.31.03</u>	No. 14774 CIVIL STATE OF CALIFORNIA	REVISION DATE DESCRIPTION BY APPD. 1 1/10/01 WIRING SCHEMATIC ADDED
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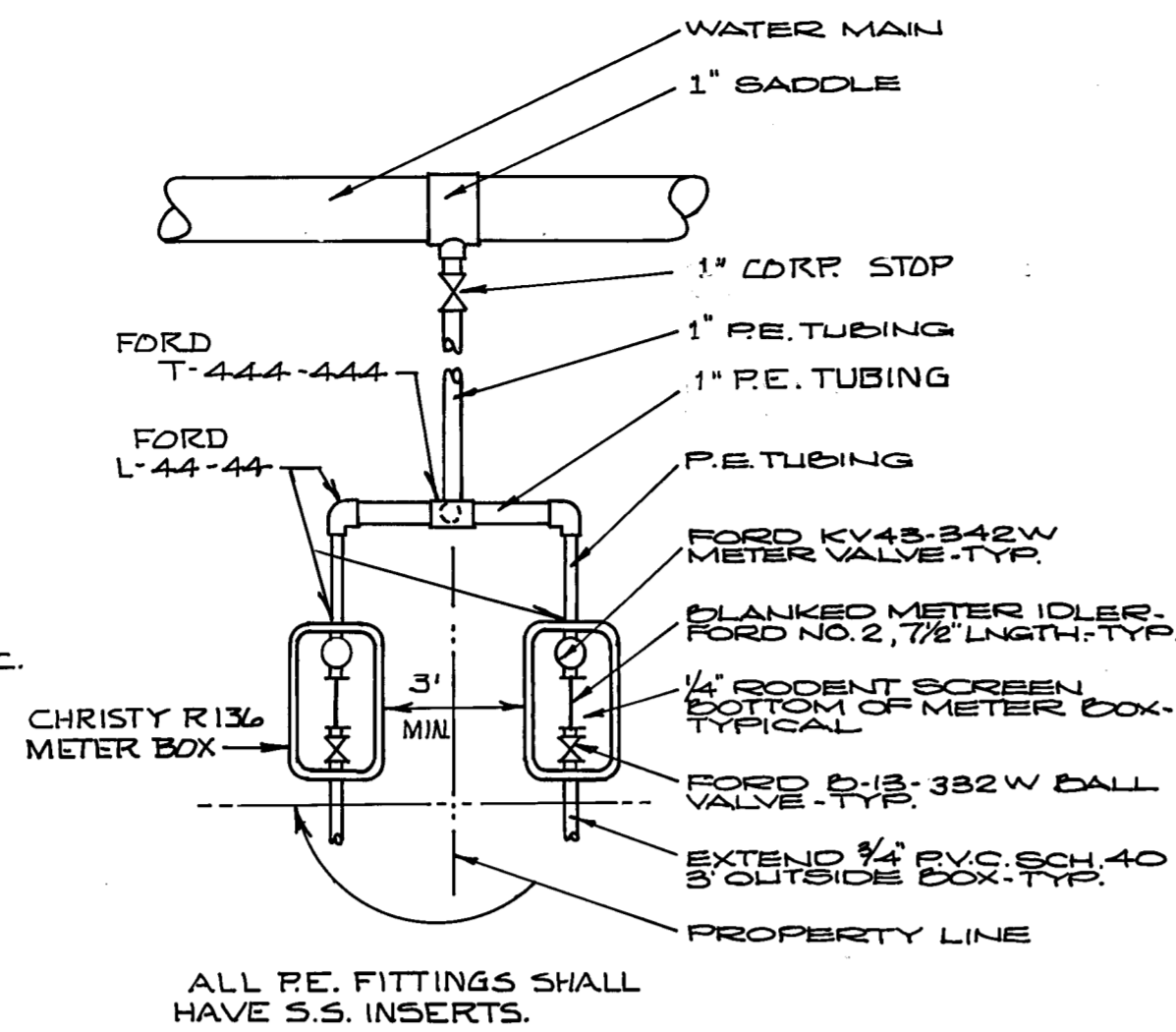
WEATHERBY ASSOCIATES INC.
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 206 Peck Street, Jackson, CA. 95642
 209-223-0381 209-714-1137

WALLACE LAKE ESTATES
UNIT NO. 1
 CALAVERAS COUNTY, CALIFORNIA
WATER TREATMENT & STORAGE

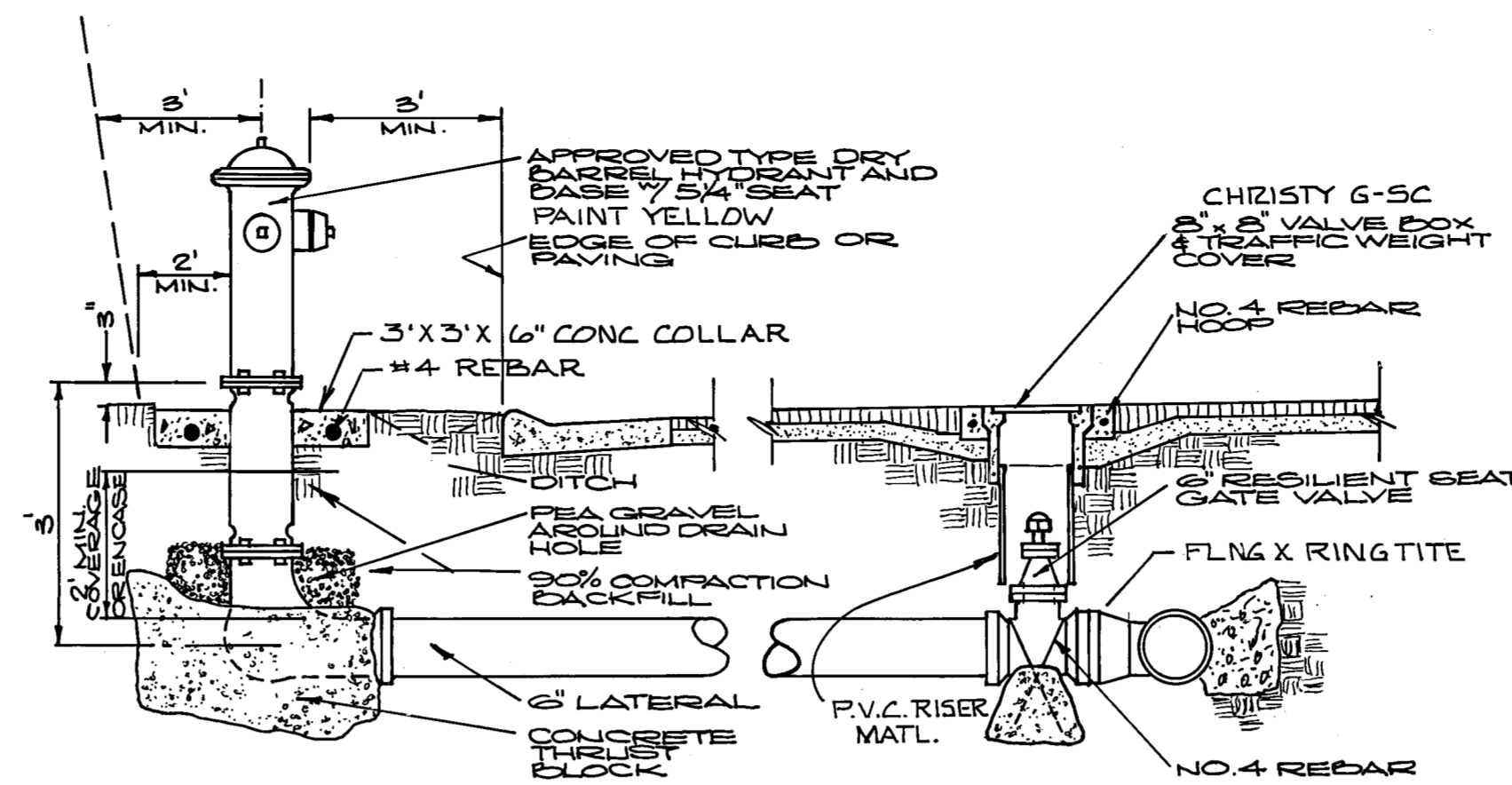
SCALE: NOTED	DATE: 2.12.03
FILE NO. D-3345	SHEET W-3 OF 6



AIR RELEASE VALVE
NO SCALE



TYP. WATER SERVICE
NO SCALE



FIRE HYDRANT DETAIL
NO SCALE

- NOTES:
1. VALVE BOX SHALL BE SET IN CONCRETE BLOCK EXTENDING 8" BEYOND BOX. SHALL NOT BE LESS THAN 8" THICK AND SHALL CONTAIN ONE NO. 4 HOOP. SEE VALVE DETAIL FOR COX.
 2. DETAILS SHOWN FOR VALVES ON HYDRANT LATERALS SHALL APPLY TO VALVES ON MAINS ALSO.
 3. THRUST BLOCK SHALL NOT OBSTRUCT HYDRANT BARREL DRAIN HOLES.
 4. GATE VALVES SHALL BE ATTACHED DIRECTLY TO MAIN LINE TEE BY FLANGED CONNECTION.
 5. FIRE HYDRANT INSTALLATION IN FILL AREAS OR WHERE DURY IS LESS THAN 80" OR WHERE THRUST BLOCK CANNOT BE SET AGAINST FIRM GROUND SHALL BE CONSTRUCTED USING FLANGED CONNECTIONS FROM TEE TO HYDRANT.

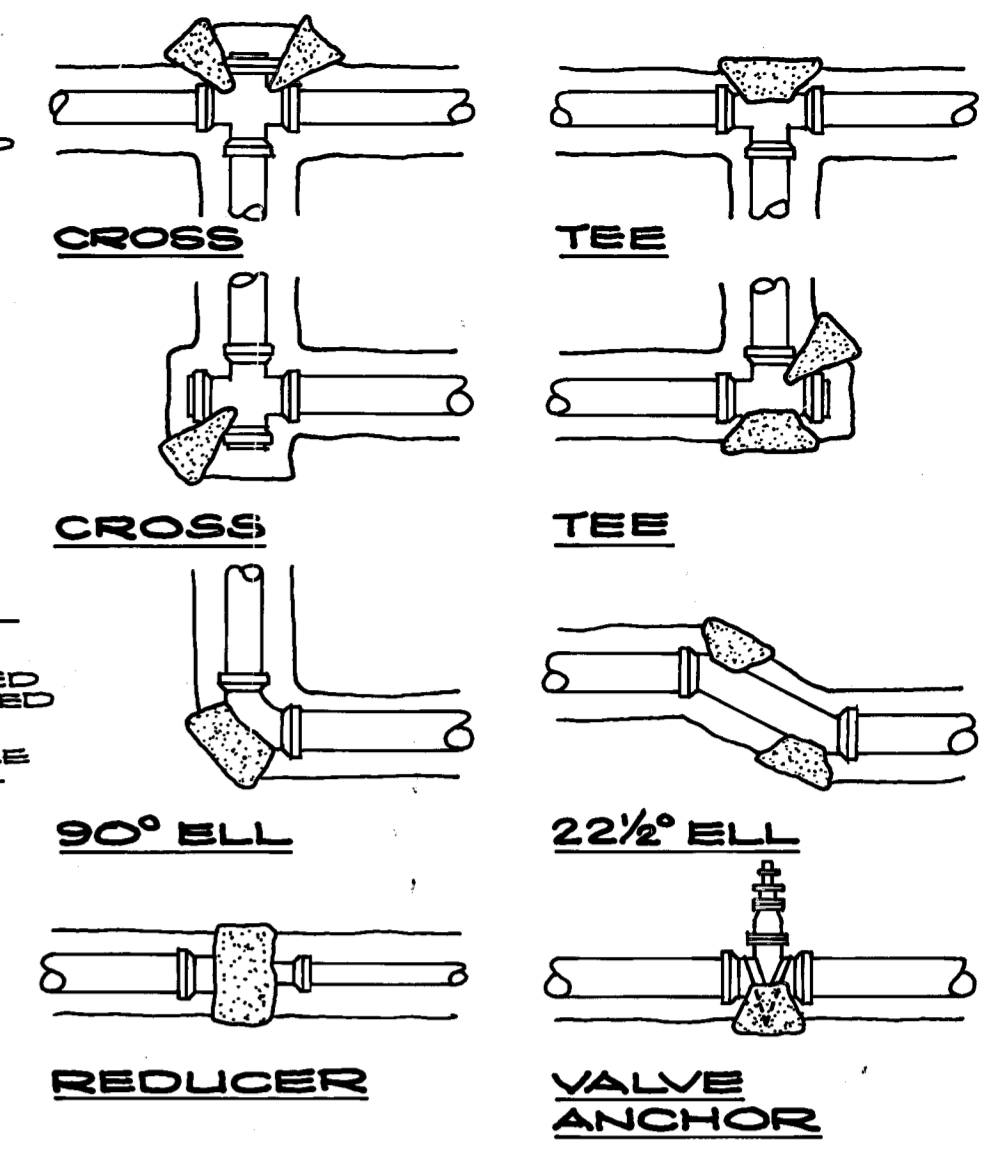
THRUST BLOCK SCHEDULE

(BEARING AREA IN SQ. FT.)

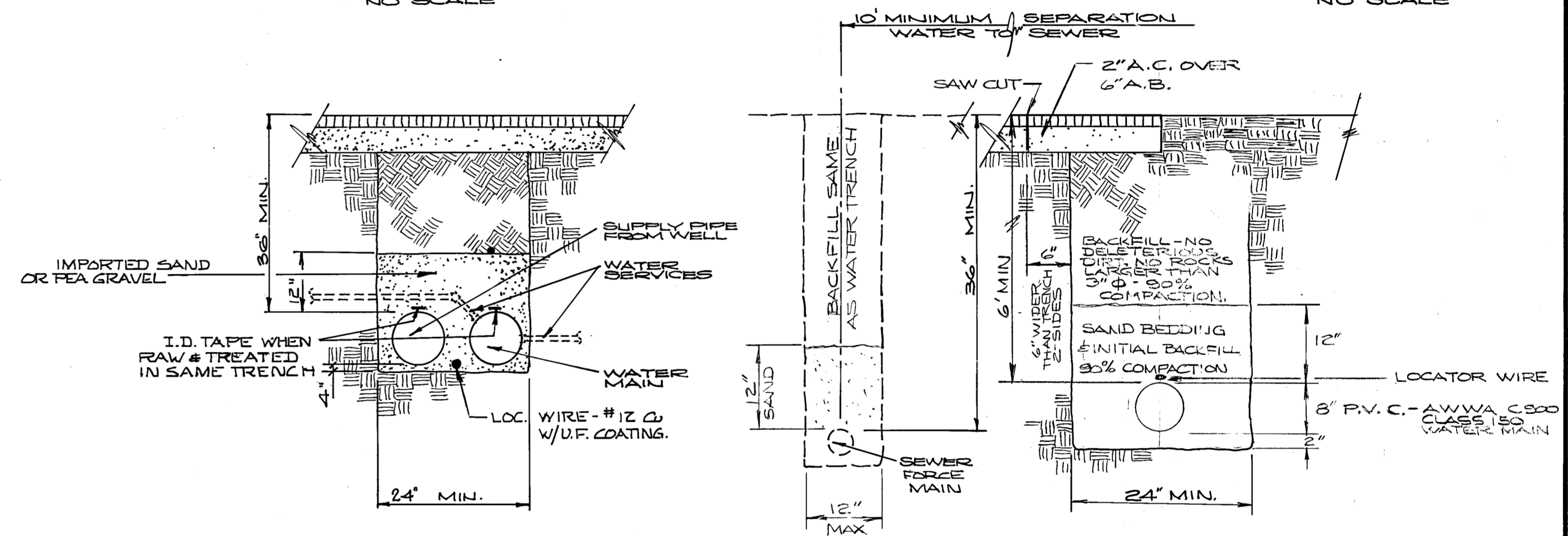
PIPE SIZE	90° ELL	45° ELL	TEE OR DEAD END
1 1/2"	.3	.2	.2
2"	.5	.3	.4
2 1/2"	.7	.4	.5
3"	1.1	.6	.8
4"	1.8	1.0	1.3
6"	4.0	2.1	2.8
8"	7.0	4.0	5.0
10"	12.0	6.0	8.0

NOTES:

ALL THRUST BLOCKS TO BE BOLTED AGAINST UNDISTURBED SOIL. CONCRETE SHALL BE PLACED BEHIND CELLS OF FITTINGS.
BEARING AREAS SHOWN IN TABLE ARE BASED ON AVAILABLE SOIL PRESSURE OF 1500 P.S.F.
BASED ON 120 P.S.I. WATER PRESSURE.

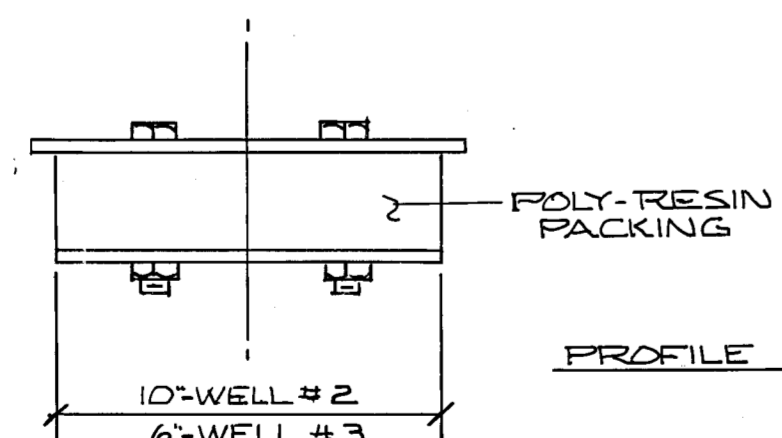
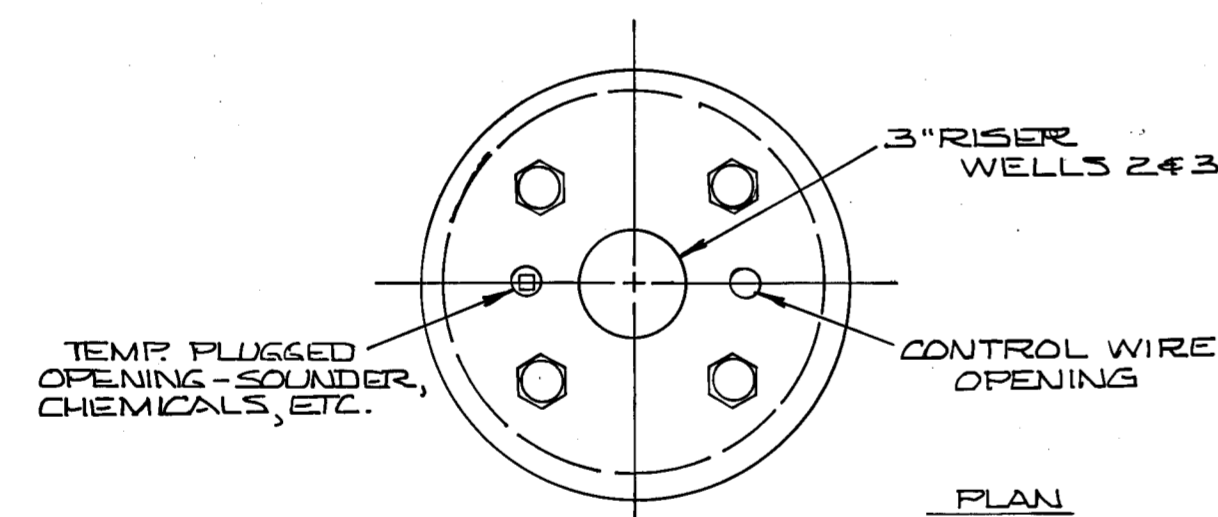


THRUST BLOCK DETAILS
NO SCALE

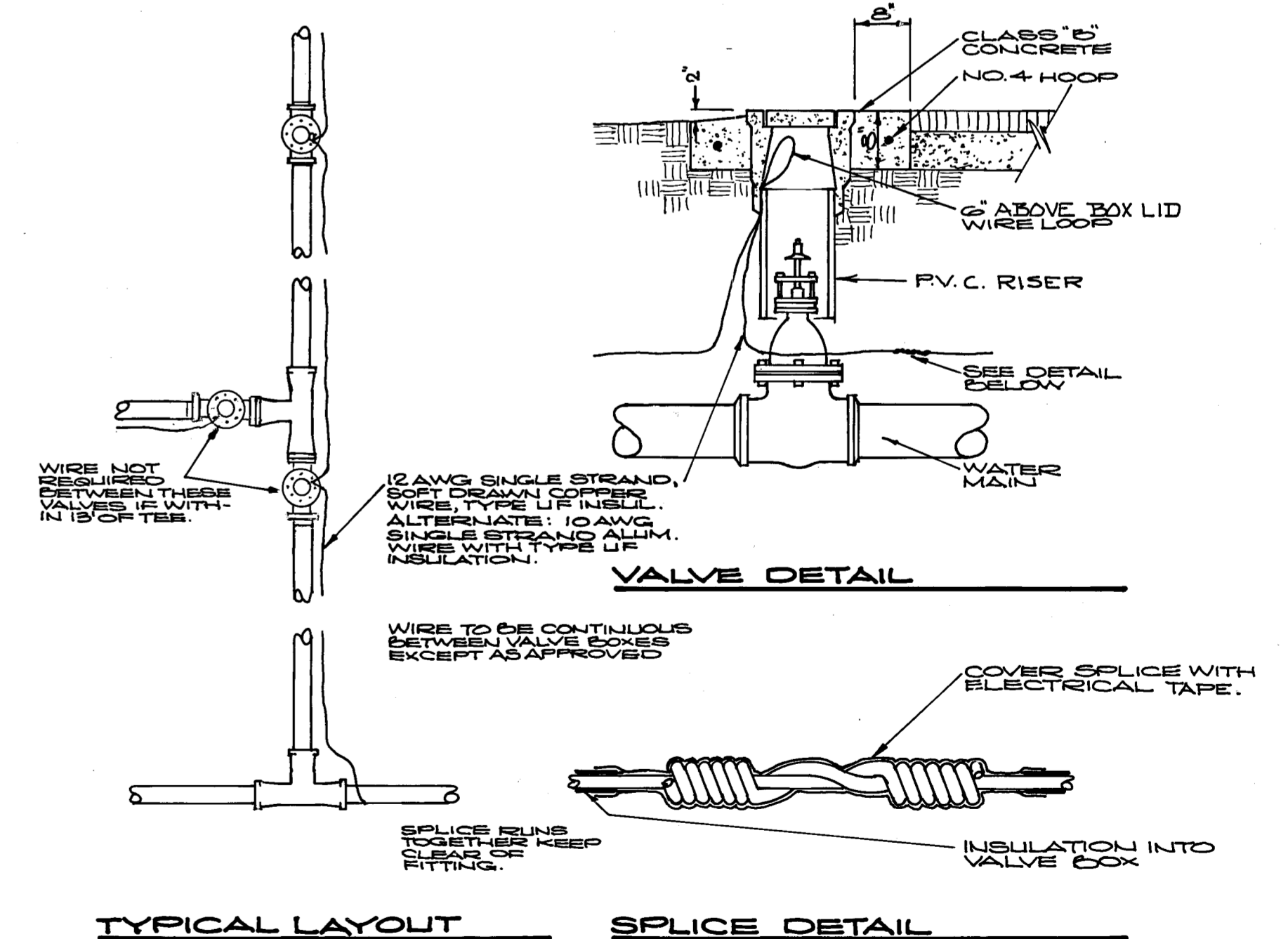


WATER TRENCH DETAIL
NO SCALE

TRENCH DETAIL
NO SCALE

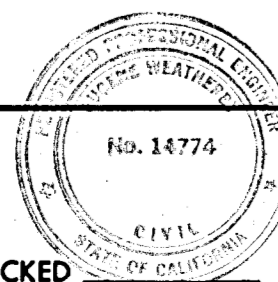


WELL SEAL DETAIL
N.T.S.



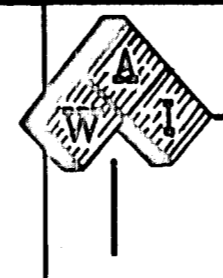
LOCATOR WIRE DETAIL
NO SCALE

DIETRICH POST REORDER NO. 10318



DRAWN BY: R.S. CHECKED: [Signature]
SUBMITTED BY: [Signature] C.E. NO. 14774 EXPIRES 3-31-89

REVISION	DATE	DESCRIPTION	BY	APPD.
1	3-3-88	CHK CHNGS-DETAIL	R.H.	



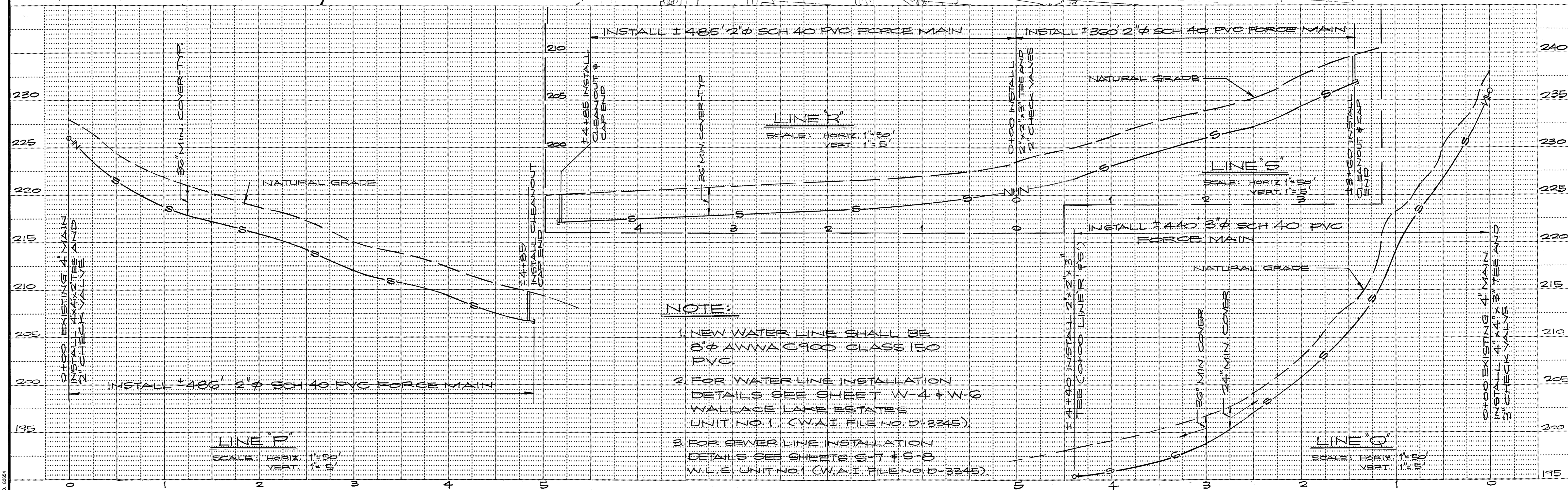
WEATHERBY ASSOCIATES INC.
ENGINEERING - SURVEYING - PLANNING
206 Peek Street, Jackson, CA. 95642
209-223-0381 209-754-1137

WALLACE LAKE ESTATES
UNIT NO. 1
CALAVERAS COUNTY, CALIFORNIA
WATER DETAILS

DATE	2-18-88
SHEET	W-4
SCALE	NOTED
FILE NO.	D-3345
OF	6



SCALE: 1" = 100'



NOTE:

1. NEW WATER LINE SHALL BE 8" Ø ANWVA C900 CLASS 150 PVC
2. FOR WATER LINE INSTALLATION DETAILS SEE SHEET W-4 & W-6 WALLACE LAKE ESTATES UNIT NO. 1 (W.A.E. FILE NO. D-3345)
3. FOR SEWER LINE INSTALLATION DETAILS SEE SHEETS S-7 & S-8 W.A.E. UNIT NO. 1 (W.A.E. FILE NO. D-3345)

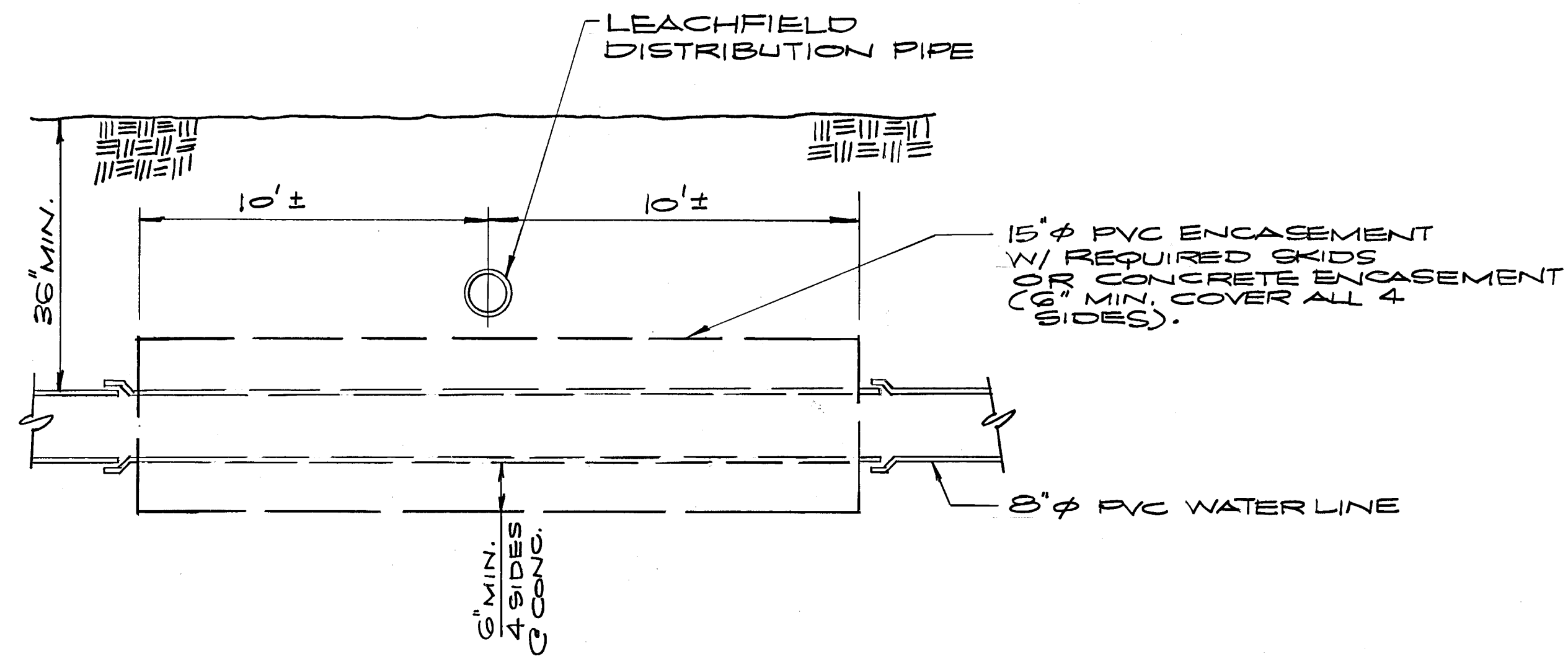
PREPARED BY: _____
 DRAWN BY: GR CHECKED _____
 SUBMITTED BY: EUGENE WEATHERBY C.E. NO. 14774 L.C. EXP. 3/31/93

REVISION	DATE	DESCRIPTION	BY	APPD.
1	4-23-91	REVISE DETAILS	GR	
2	4-8-91	WATER REV. @ ELMORE'S GR		
3	2-27-91	WATER REV. @ BERRY'S GR		

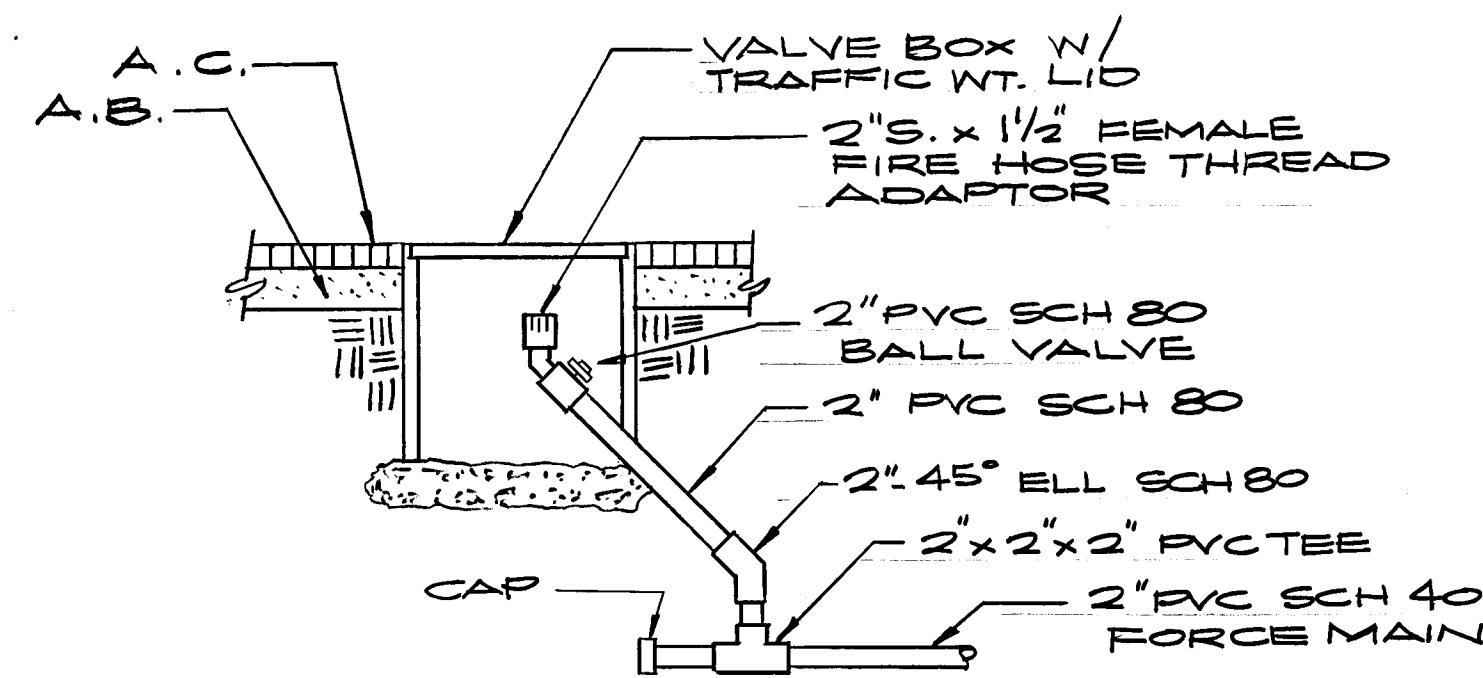
WEATHERBY ASSOCIATES INC.
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 206 Peck Street, Jackson, CA. 95642
 209-223-0381 209-754-1137

WALLACE COMMUNITY SERVICES DISTRICT
 WATER & SEWER LINE EXTENSION
 THRU
 TOWNSITE OF WALLACE, CALAVERAS COUNTY

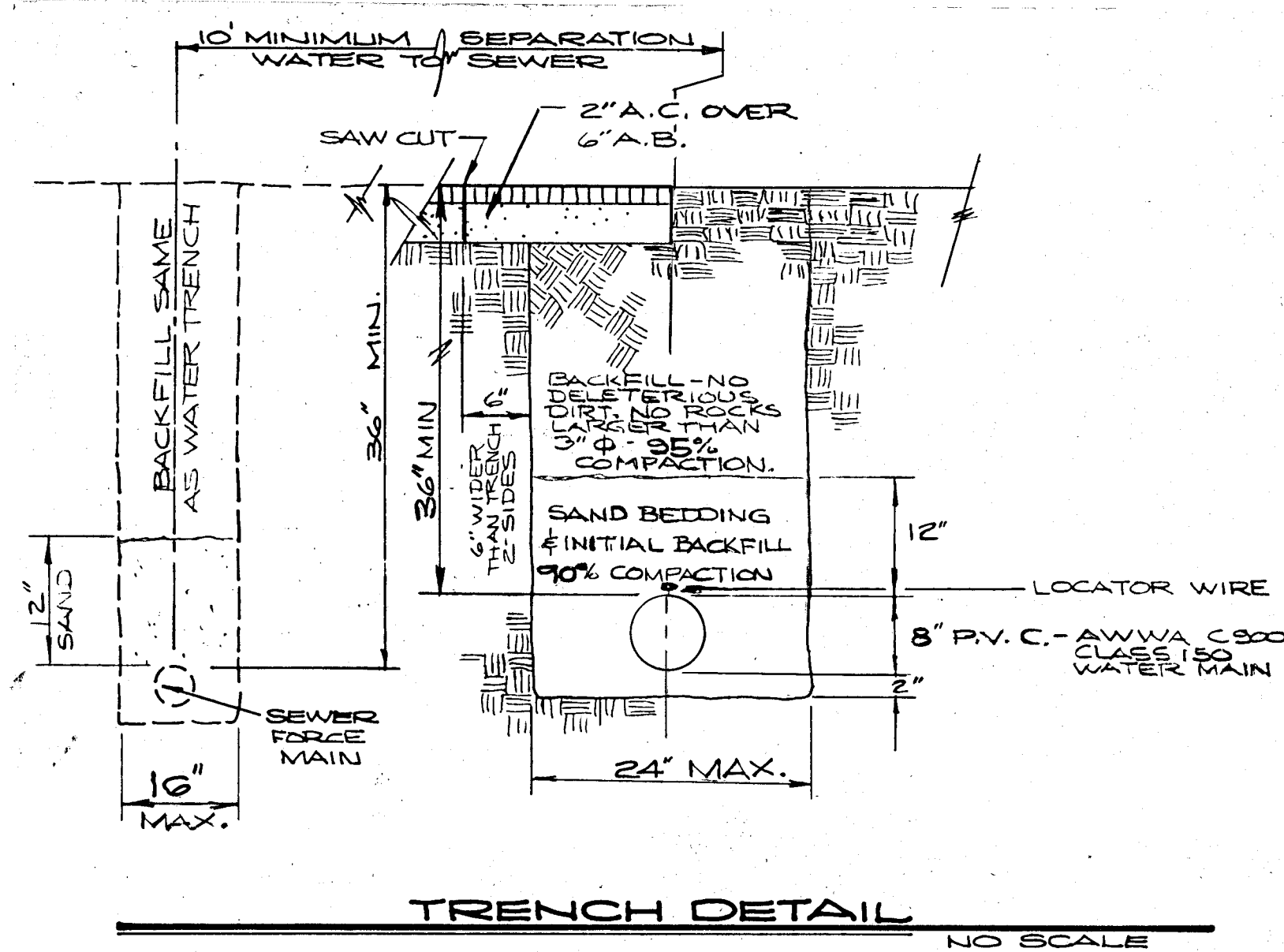
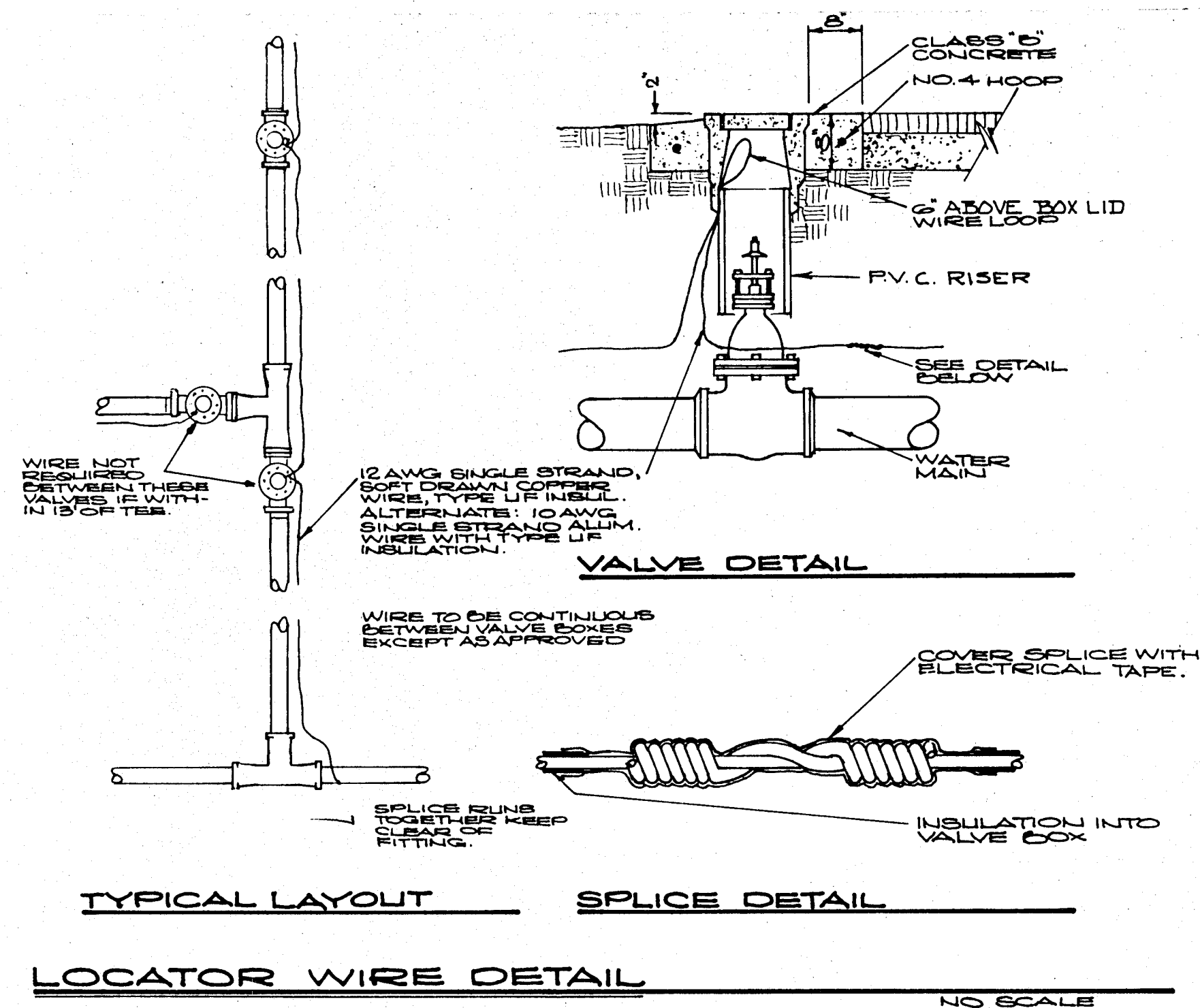
WALLACE LAKE ESTATES	DATE 1-23-91
SCALE: AS NOTED	SHEET W-5
FILE NO. D-3345	OF 6



PIPELINE CROSSING AT ELMORE PROPERTY
TOWNSITE OF WALLACE NO SCALE



FLUSHING INLET (CLEANOUT)
NO SCALE

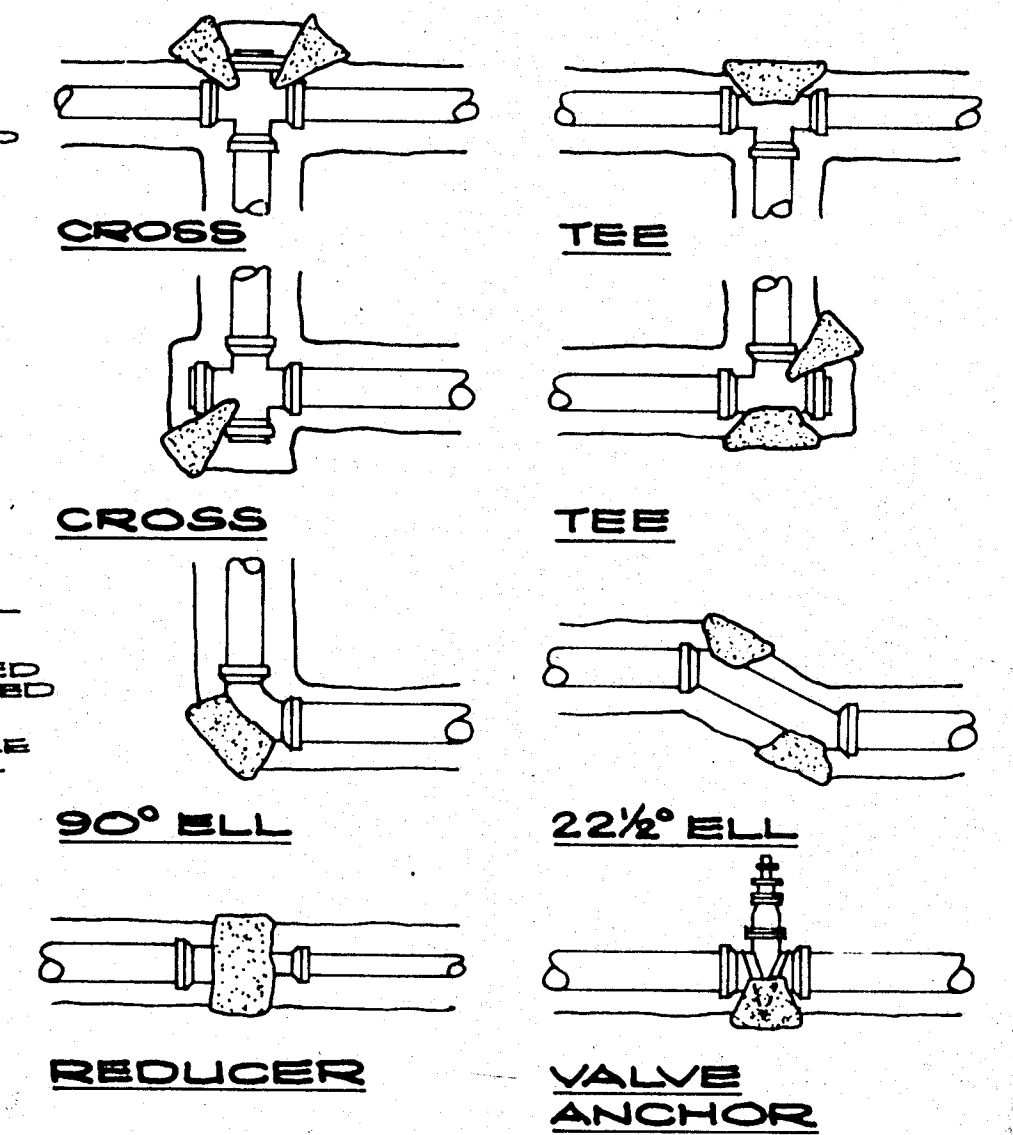


THRUST BLOCK
SCHEDULE
(BEARING AREA IN SQ. FT.)

PIPE SIZE	90° ELL	45° ELL	TEE OR DEADEND
1 1/2"	.3	.2	.2
2"	.5	.3	.4
2 1/2"	.7	.4	.5
3"	1.1	.6	.8
4"	1.8	1.0	1.3
6"	4.0	2.1	2.8
8"	7.0	4.0	5.0
10"	12.0	6.0	8.0

NOTES:

ALL THRUST BLOCKS TO BE SOLIDIFIED AGAINST UNDISTURBED SOIL. CONCRETE SHALL BE PLACED BEHIND BELLS OF FITTINGS.
BEARING AREAS SHOWN IN TABLE ARE BASED ON ALLOWABLE SOIL PRESSURE OF 1500 P.S.F. SOIL. BASED ON 120 P.S.F. WATER PRESSURE.



THRUST BLOCK DETAILS

DRAWN BY: R.S. CHECKED: _____
SUBMITTED BY: C. E. NO. 14774

REVISION	DATE	DESCRIPTION	BY	APPD.
1	5-9-88	CHK CHANG'S - DETAIL	GR	
2	4-15-91	ADD DETAILS	GR	
3	4-23-91	REVISE DETAILS	GR	



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WALLACE COMMUNITY SERVICES DISTRICT
WATER & SEWER LINE EXTENSION DETAILS
THRU
TOWNSITE OF WALLACE, CALAVERAS COUNTY

WALLACE LAKE ESTATES
SCALE: NOTED
FILE NO. D-3345

DATE: 2-18-88
SHEET: W-6
OF 6