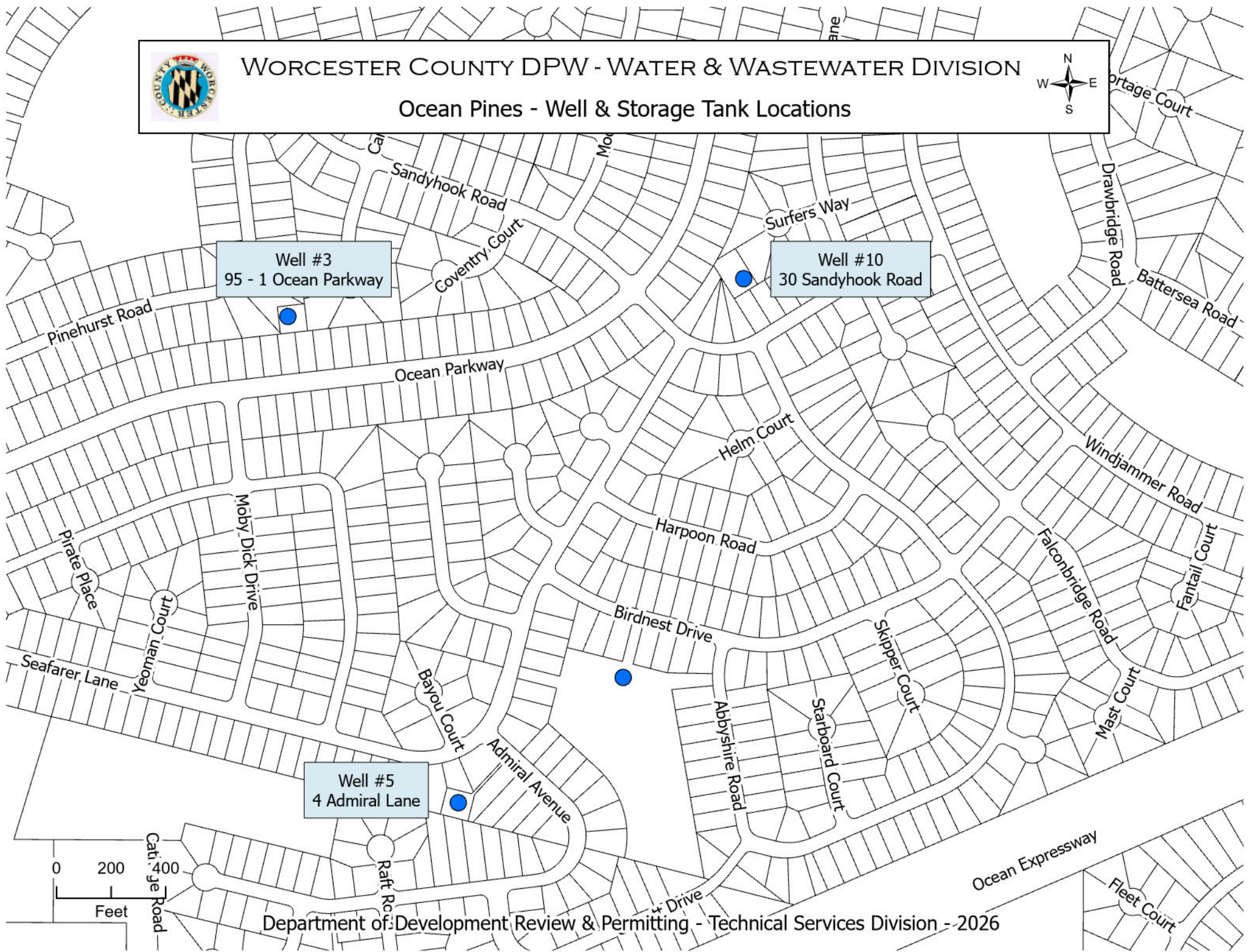




WORCESTER COUNTY DPW - WATER & WASTEWATER DIVISION

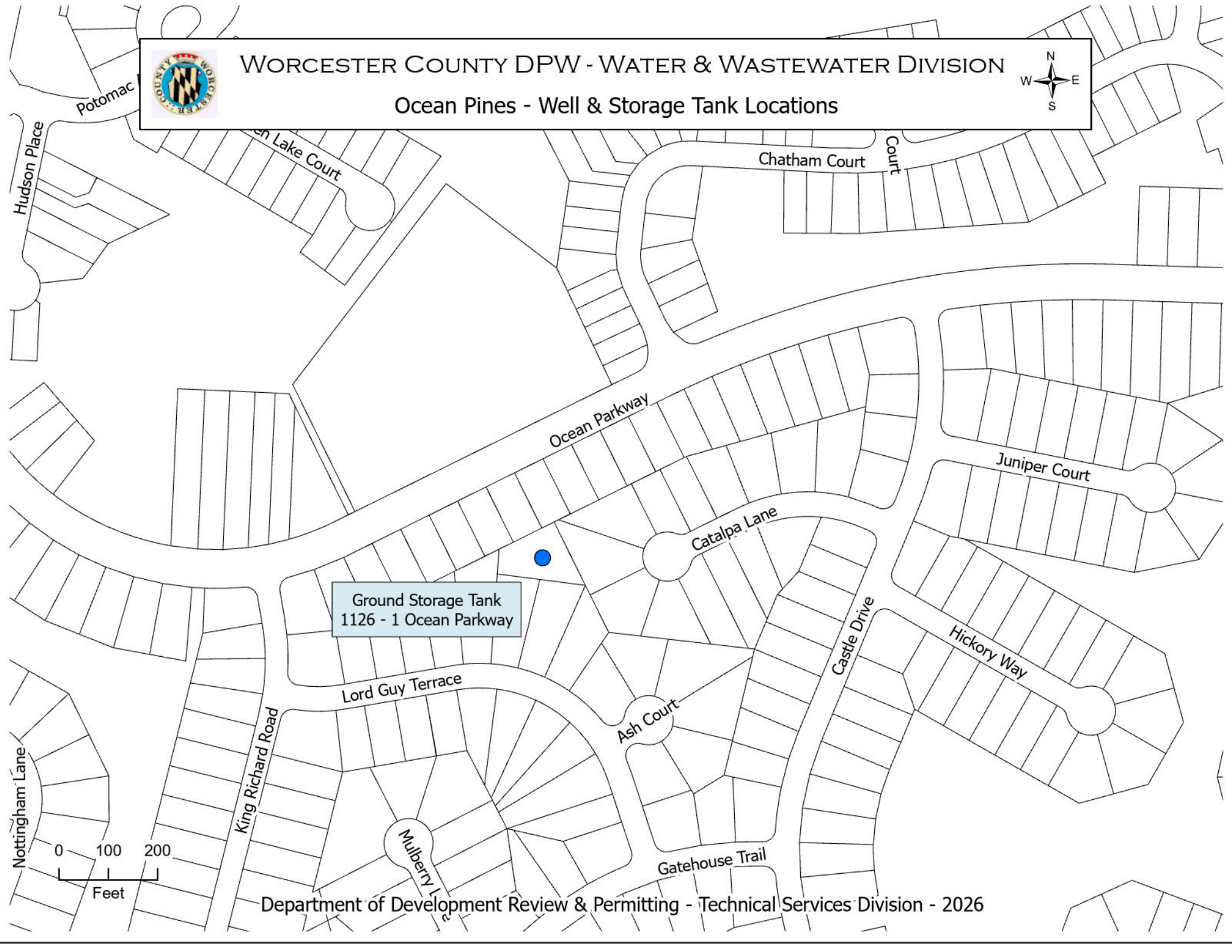
Ocean Pines - Well & Storage Tank Locations



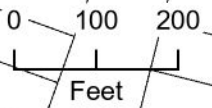


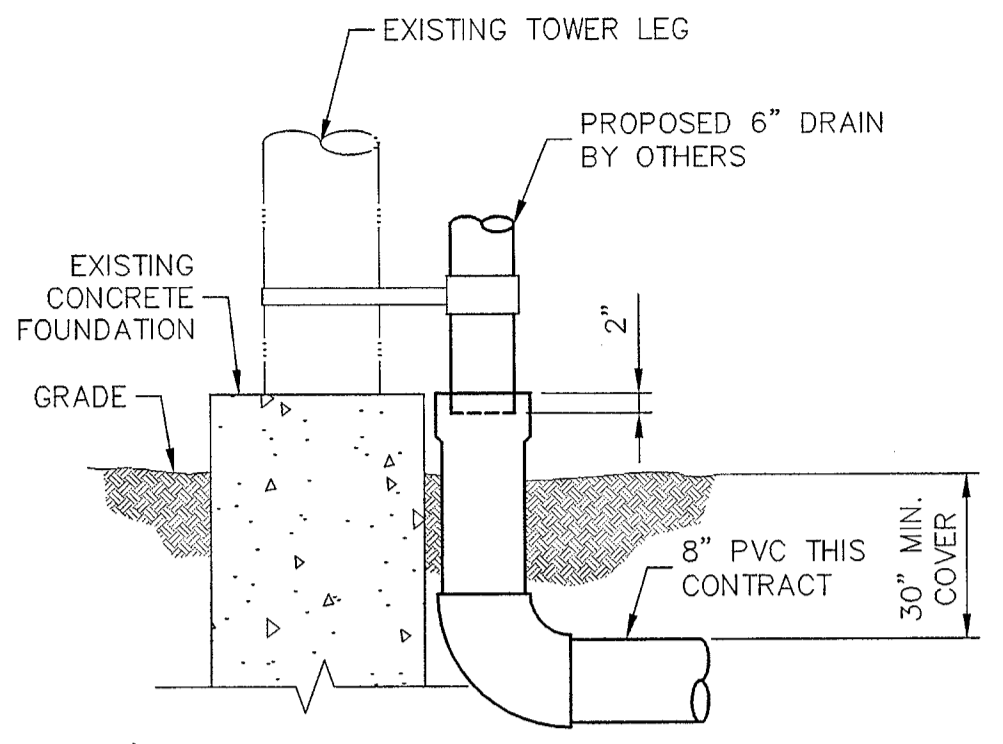
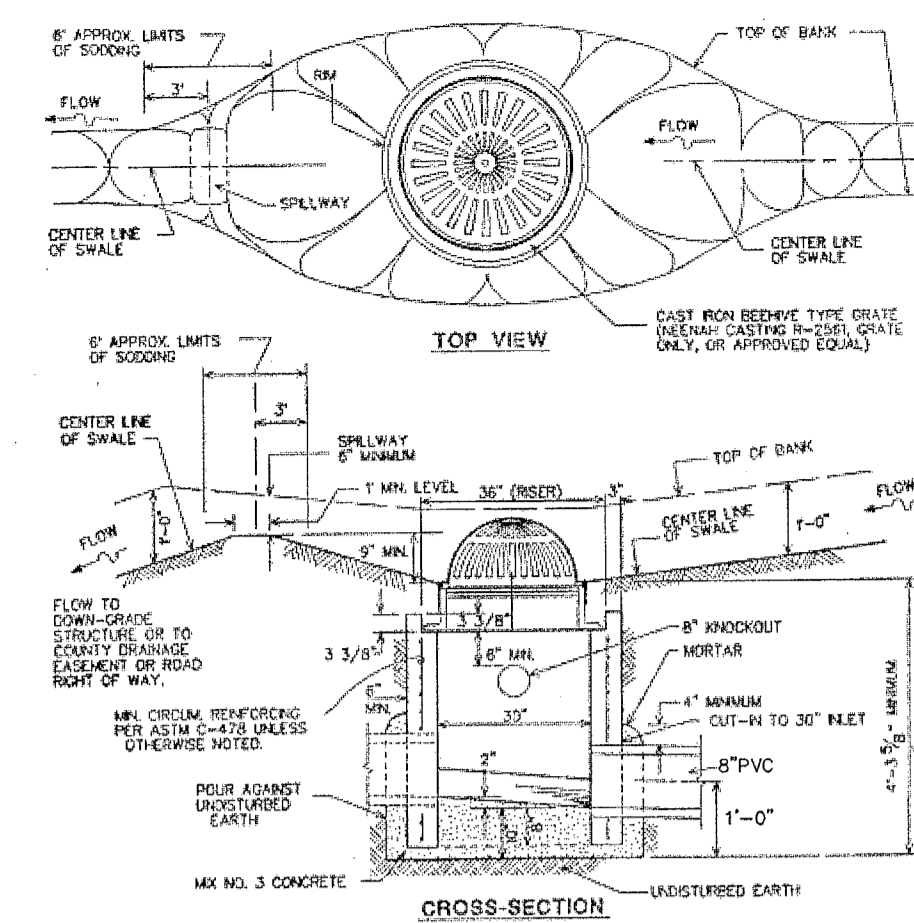
WORCESTER COUNTY DPW - WATER & WASTEWATER DIVISION

Ocean Pines - Well & Storage Tank Locations



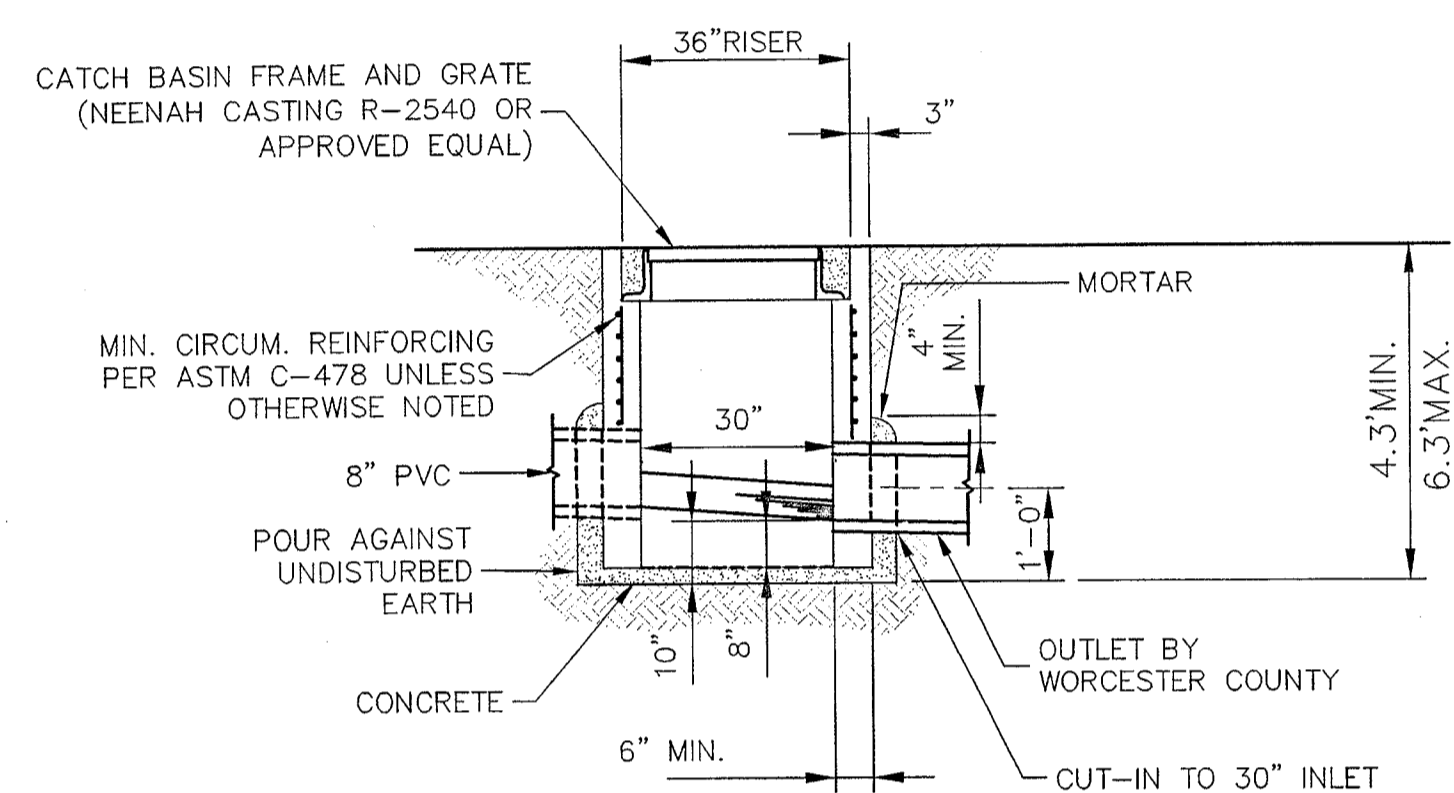
Ground Storage Tank
1126 - 1 Ocean Parkway





YARD INLET DETAIL
SCALE: NONE

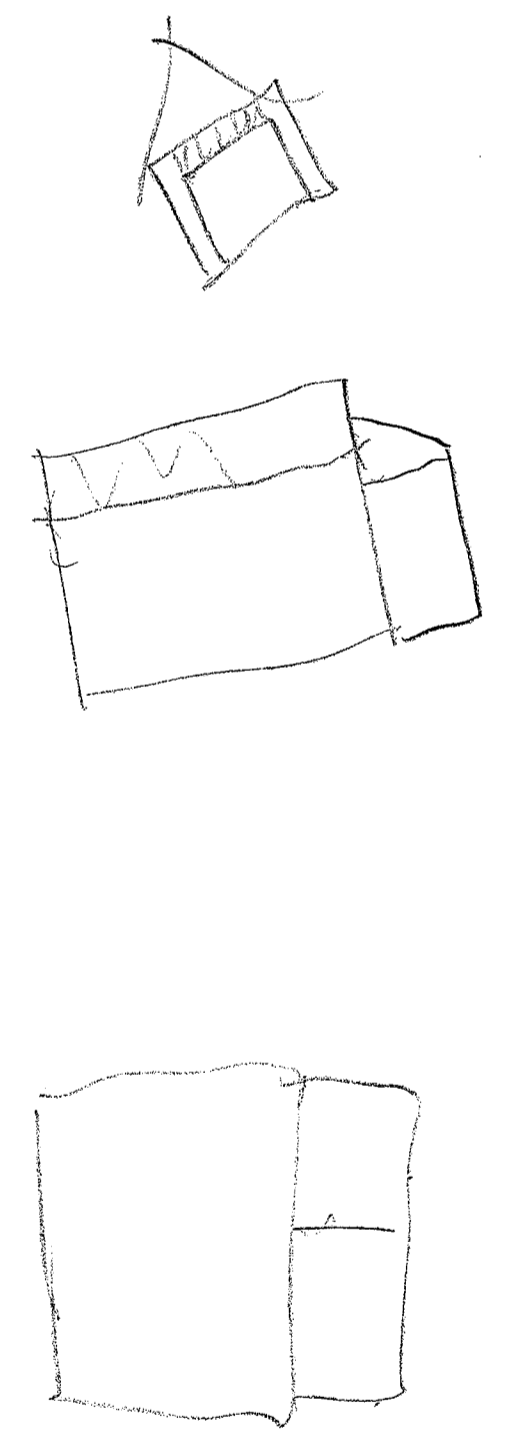
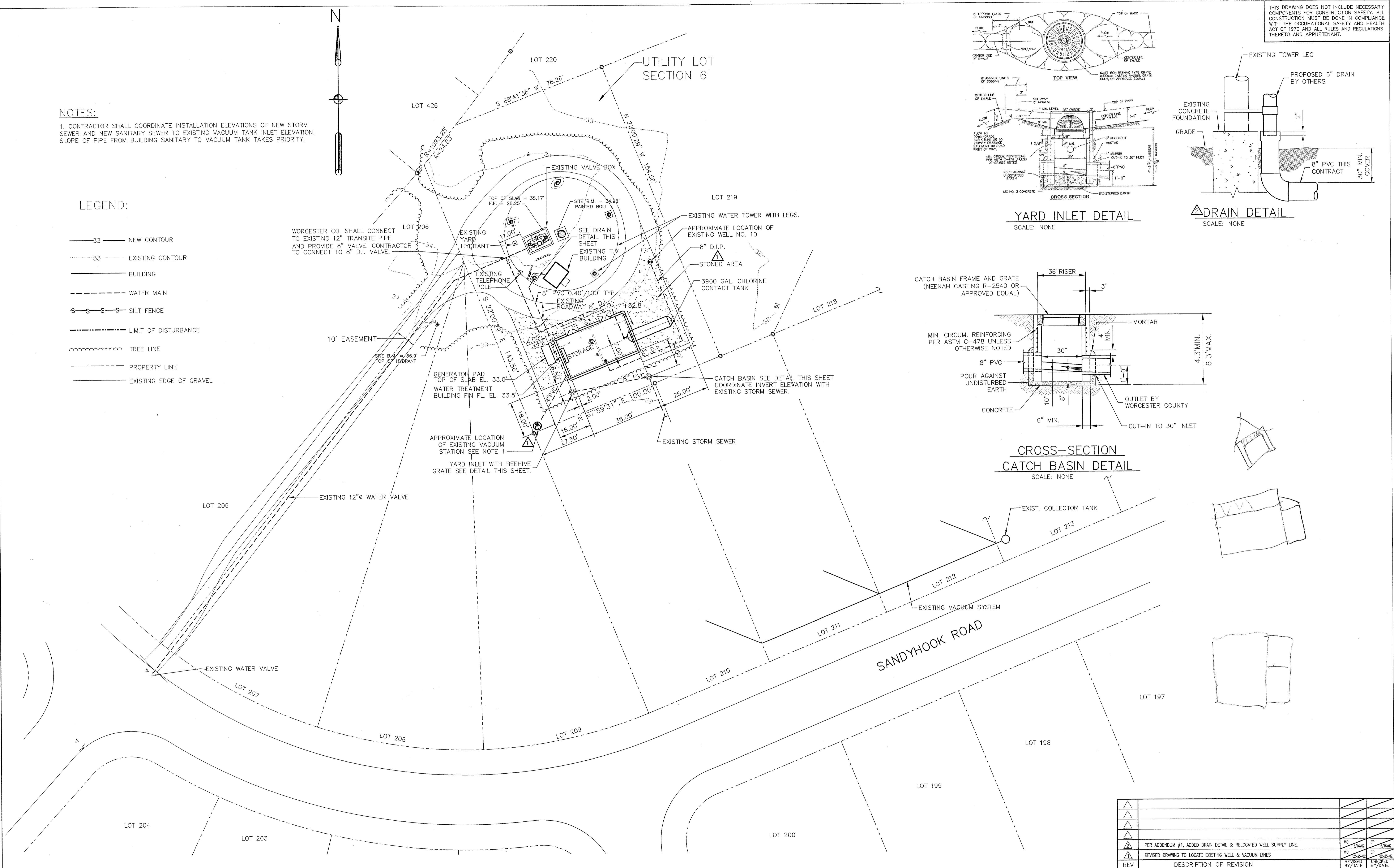
△ DRAIN DETAIL
SCALE: NONE



CROSS-SECTION CATCH BASIN DETAIL
SCALE: NONE

NOTES:
1. CONTRACTOR SHALL COORDINATE INSTALLATION ELEVATIONS OF NEW STORM SEWER AND NEW SANITARY SEWER TO EXISTING VACUUM TANK INLET ELEVATION. SLOPE OF PIPE FROM BUILDING SANITARY TO VACUUM TANK TAKES PRIORITY.

- LEGEND:**
- 33 — NEW CONTOUR
 - - - 33 - - - EXISTING CONTOUR
 - BUILDING
 - - - WATER MAIN
 - - - SILT FENCE
 - - - LIMIT OF DISTURBANCE
 - ~ ~ ~ TREE LINE
 - - - PROPERTY LINE
 - - - EXISTING EDGE OF GRAVEL



REV	DESCRIPTION OF REVISION	REVISION
△		
△		
△		
△	PER ADDENDUM #1, ADDED DRAIN DETAIL & RELOCATED WELL SUPPLY LINE.	WC 5/16/02 EP 5/16/02
△	REVISED DRAWING TO LOCATE EXISTING WELL & VACUUM LINES	WC 5-25-01 EP 5-25-01
△		

OCEAN PINES WATER TREATMENT FACILITY
FOR WELL NO. 10
WORCESTER COUNTY, MARYLAND

2

PROJECT: 85-00177899.02
DRAWING: C-1
SHEET OF

MISS UTILITY
BELMARVA
DATE: 5/16/02
SCALE: FULL

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Wilmington, DE 19809
Tel: 302.791.0700
Fax: 302.791.0708

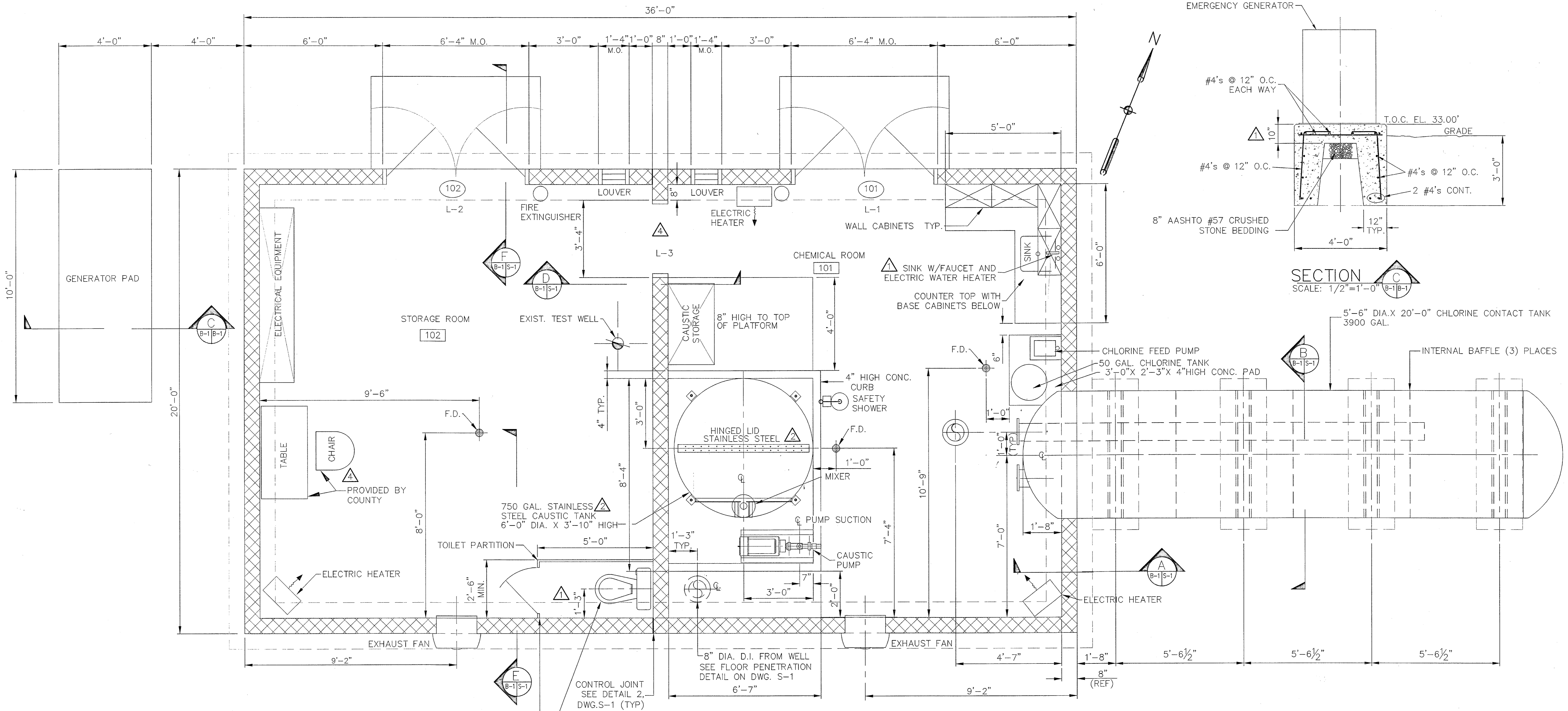
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0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

APPROVED BY:
[Signature]

SCALE: 1"=20'
DESIGNED: EP
DRAWN: WC
CHECKED:
PEER REVIEWED:
DATE: 03-30-01

FILE PATH: J:\OCEAN-PINES-C-1.DWG
SCALE: FULL
DATE: 5/16/02
OPER: W.C.

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO AND APPURTENANT.



PLAN
WATER TREATMENT & STORAGE BUILDING
 SCALE: 1/2"=1'-0"

▲ FLOOR MOUNTED OVERHEAD BRACED TOILET COMPARTMENT MODEL IC-1 AS MANUFACTURED BY COMTEC INDUSTRIES, MOOSIC, PA. MATERIAL: 1" THICK SOLID HDPE RESIN.

KOHLER WATER CLOSET MODEL K-3422 WELLWORTH WITH OPEN FRONT SEAT, CHURCH CO., MODEL 295C, WHITE

REV	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY	DATE
1	REVISED PER WORCESTER COUNTY COMMENTS	RS	CSS	4/10/01
2	REVISED PROJECT DESCRIPTION TITLE	WC	EP	2-28-01
3	REVISED PER WORCESTER COUNTY COMMENTS	WC	EP	3/29/01
4	REVISED PER WORCESTER COUNTY COMMENTS	WC	EP	4/27/01

FILE PATH: J:\OCEAN-PINES-BLDG
 PROJ. #
 TASK #
 DATE: 02-14-01
 OPER. W.C.
 SCALE: 1/2"=1'-0"

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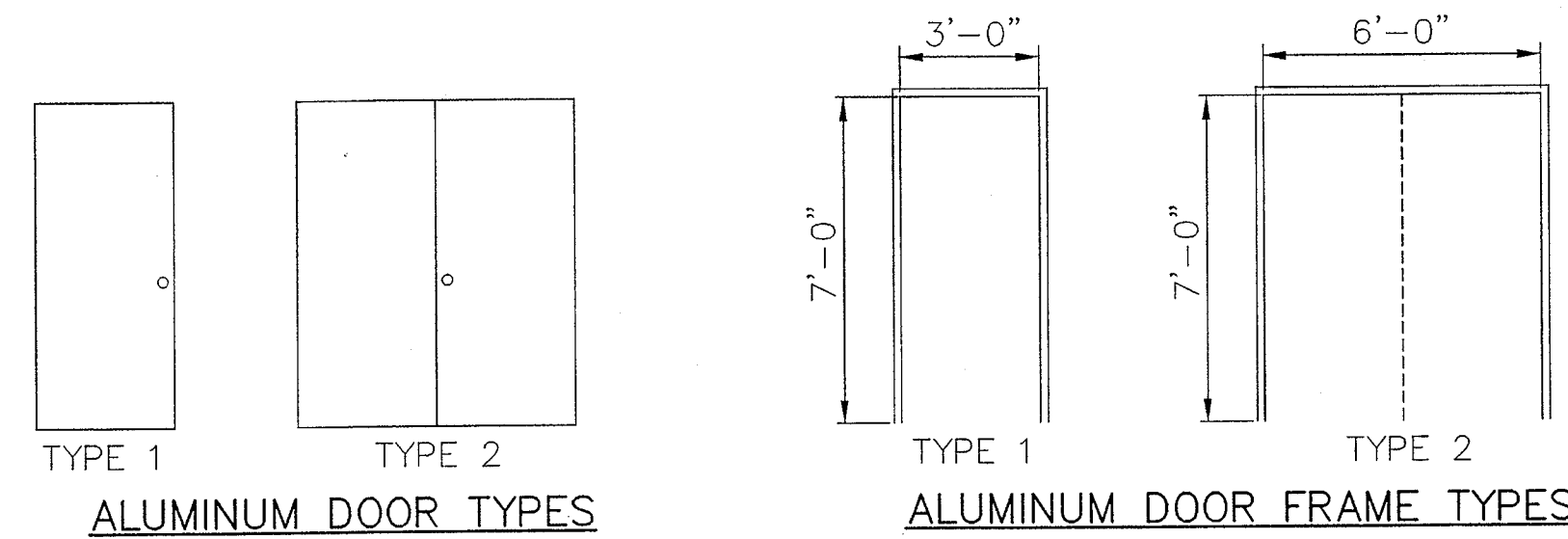
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APPROVED BY: [Signature]
 SCALE: 1/2" = 1'-0"
 DESIGNED: EP
 DRAWN: WC
 CHECKED: WC
 PEER REVIEWED: [Blank]
 DATE: 8-8-01

OCEAN PINES WATER TREATMENT FACILITY FOR WELL NO. 10 WORCESTER COUNTY, MARYLAND
BUILDING AND EQUIPMENT PLAN

REVISION **4**
 PROJECT 85-00177899.02
 DRAWING **B-1**
 SHEET OF

THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO AND APPURTENANT.



DOOR SCHEDULE							
DOOR NUMBER	DOOR TYPE	FRAME TYPE	FIRE RATING	INSULATION	GLAZING	NOMINAL SIZE	HARDWARE SET
101	2	2	---	YES	NO	6'-0" x 7'-0"	SEE SPECS
102	2	2	---	YES	NO	6'-0" x 7'-0"	SEE SPECS

LINTEL SCHEDULE						
LINTEL No.	LENGTH	WIDTH	HEIGHT	REINFORCING	QTY.	REMARKS
L-1	7'-8"	8"	8"	N/A	1	SEE DETAIL NO.2
L-2	7'-8"	8"	8"	N/A	1	SEE DETAIL NO.2
L-3	4'-8"	8"	8"	2 #4'S	1	SEE DETAIL NO.1

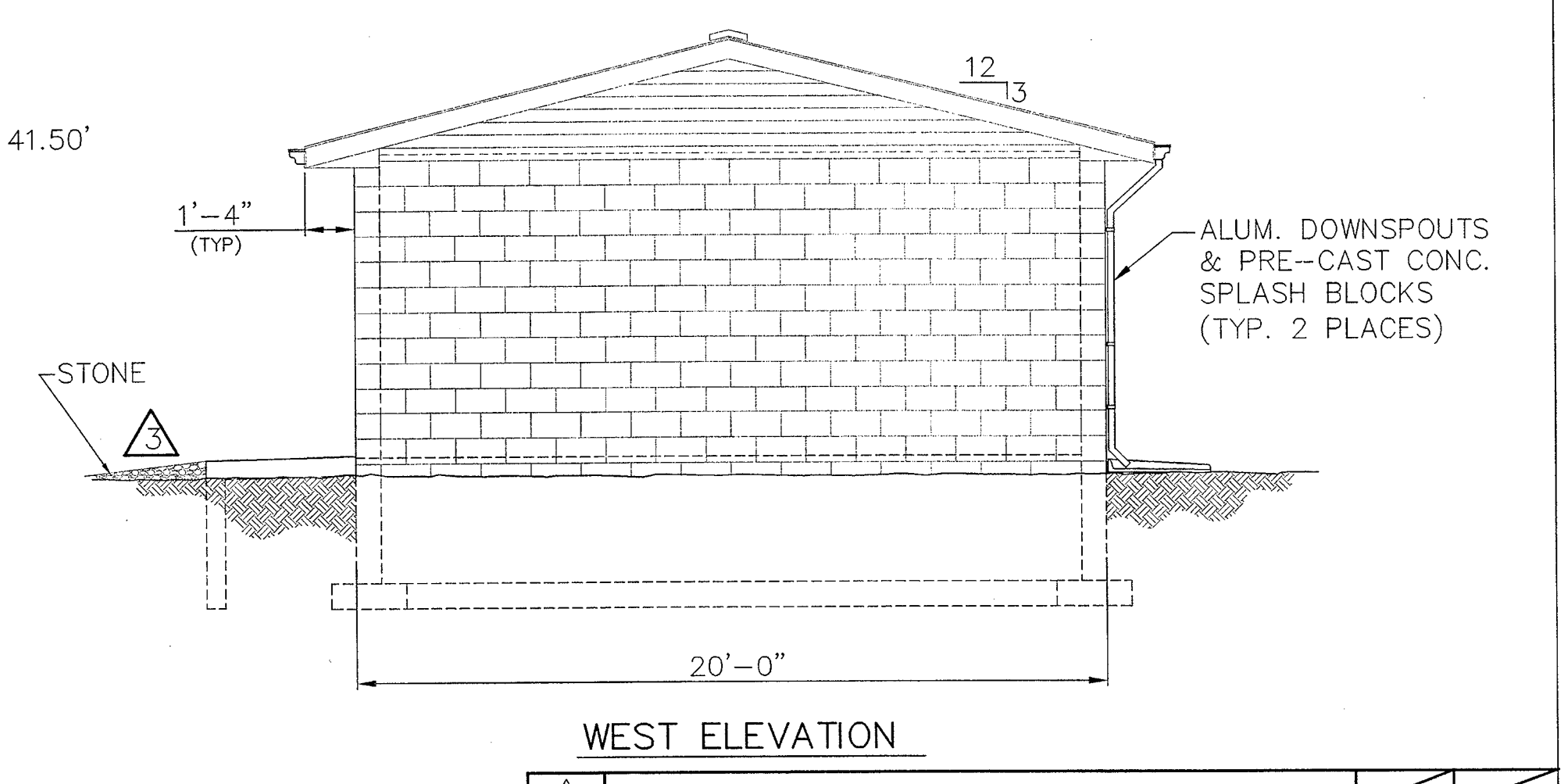
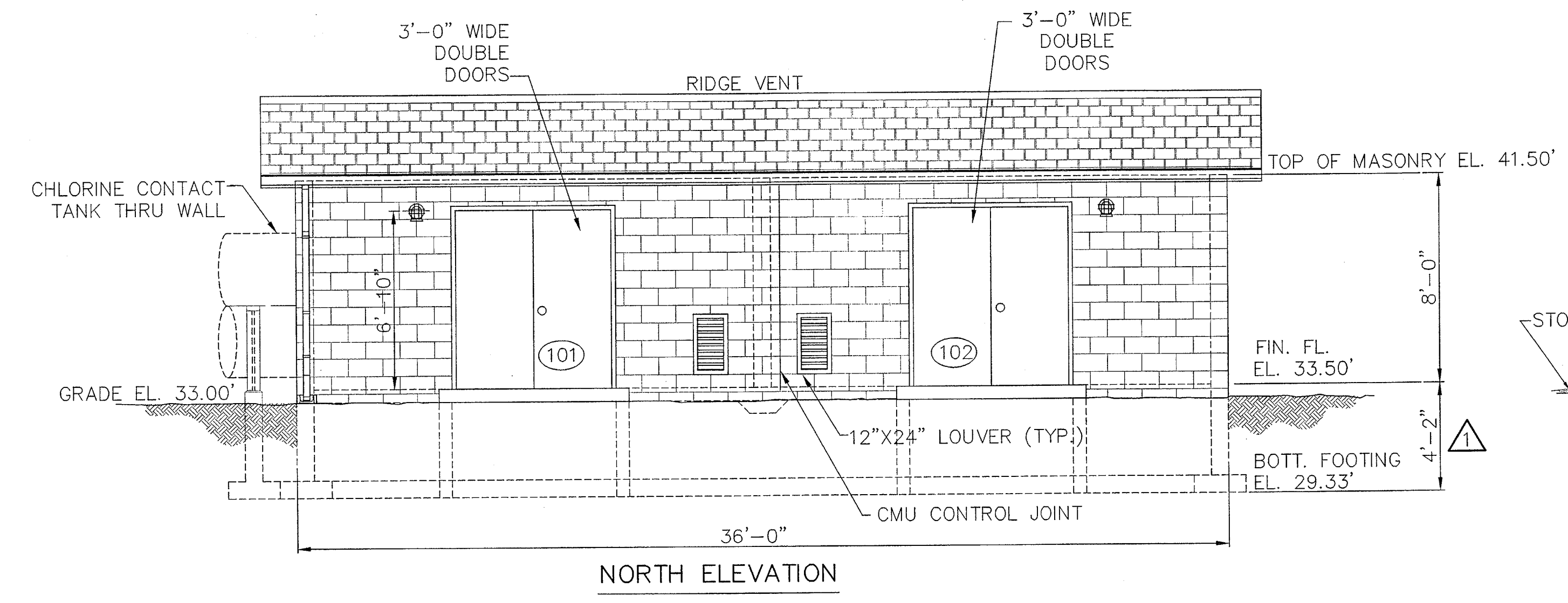
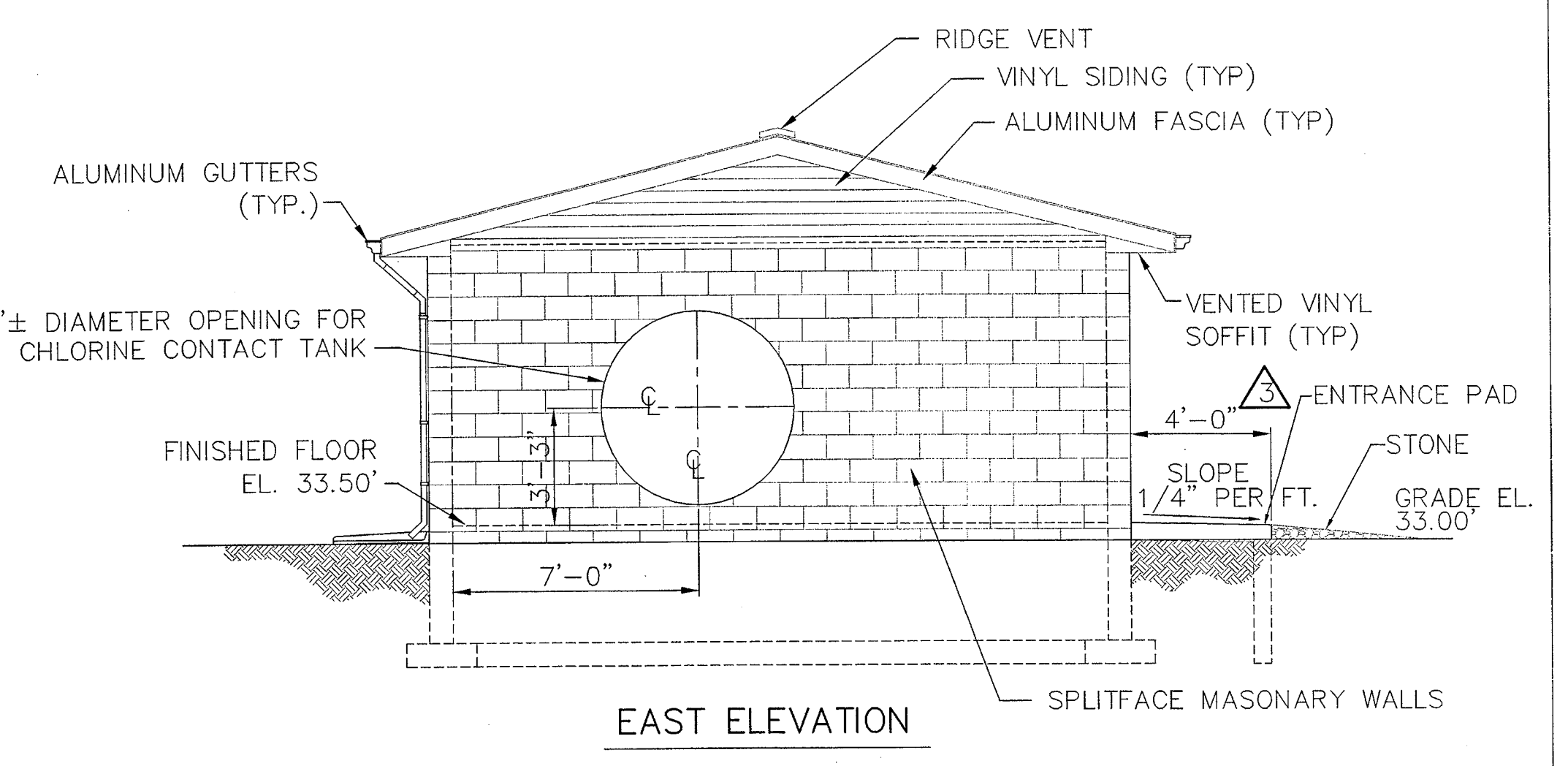
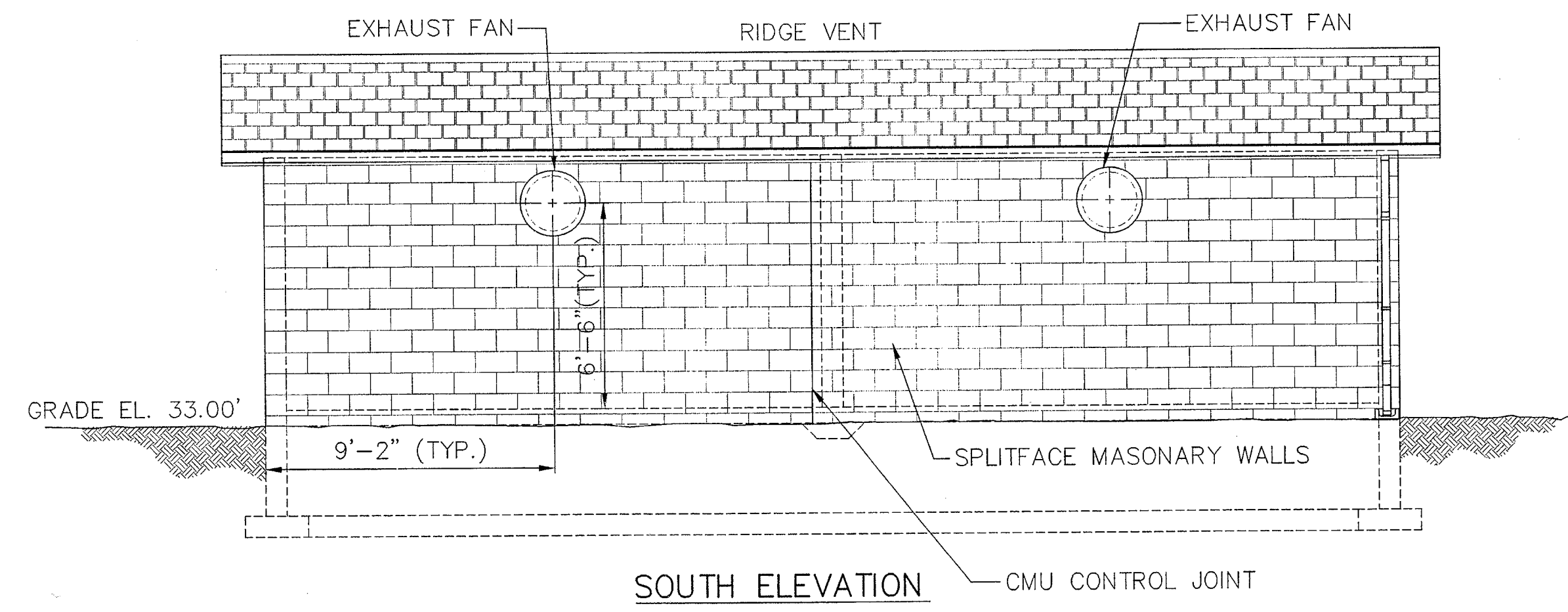
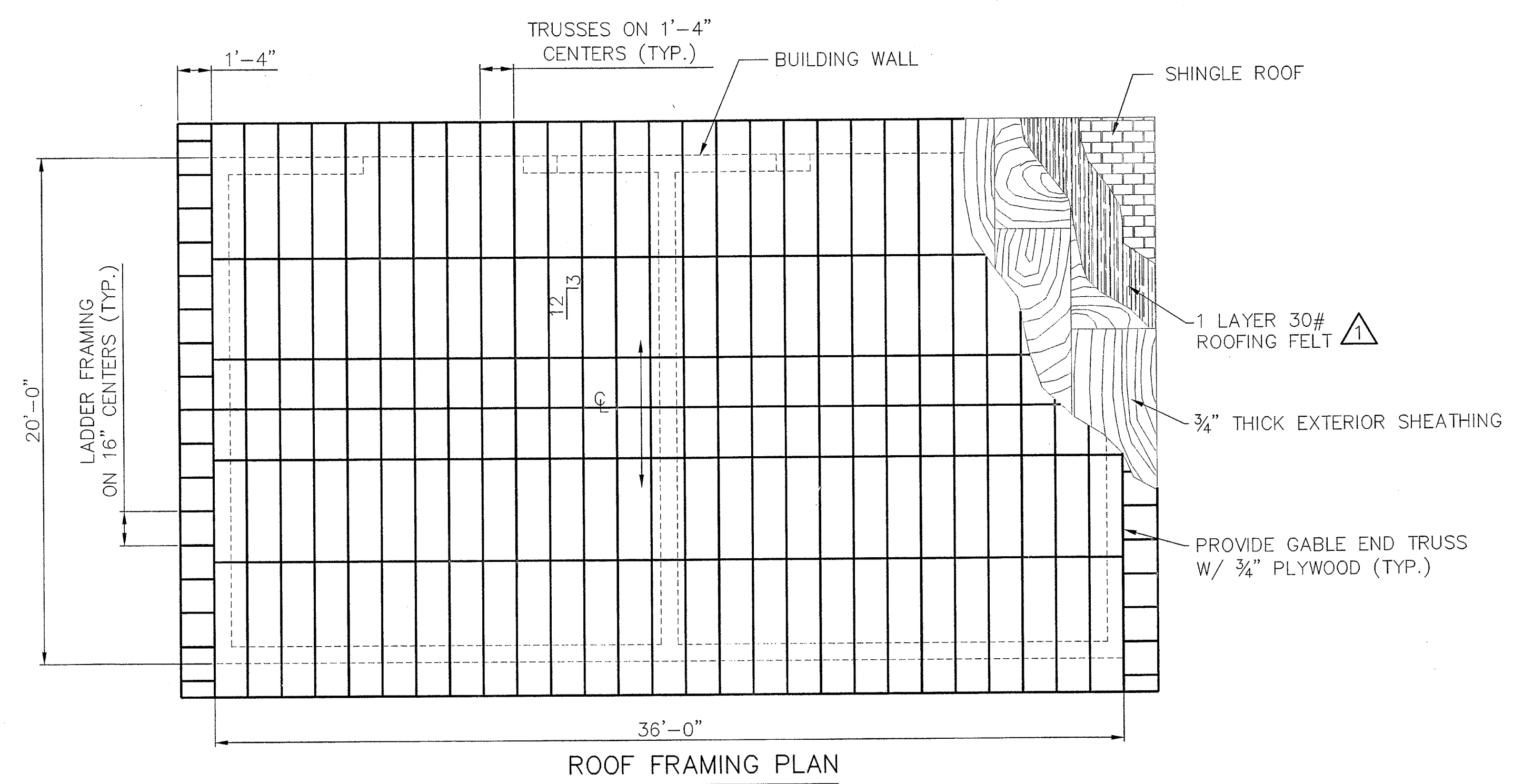
ROOM FINISH SCHEDULE								
ROOM NUMBER	NAME	FLOOR		WALLS		CEILING		
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT
101	CHEMICAL ROOM	C	S	CMU	S INSIDE	GB	P	8'-0"
102	WET STORAGE	C	S	CMU	S INSIDE	GB	P	8'-0"

ABBREVIATIONS:

C - CONCRETE
 CB - 6" HIGH RUBBER COVE BASE
 S - CONCRETE SEALER
 GB - GYPSUM BOARD
 SC - SUSPENDED CEILINGS
 P - PAINTED
 U - UNFINISHED
 CMU - CONCRETE MASONRY UNITS (HOLLOW UNITS)

NOTES:

1. PROVIDE 8" MINIMUM BEARING ON EACH END OF LINTELS.
 2. ALL CMU LINTELS ARE WITH REINFORCING AS SHOWN AND FILLED WITH 3000 PSI CONCRETE.



REV	DESCRIPTION OF REVISION	REVISION BY/DATE	CHECKED BY/DATE
1	REVISED PER WORCESTER COUNTY COMMENTS	MS 2/20/02	CSB 2/20/02
2	REVISED PROJECT DESCRIPTION TITLE	WC 1-25-02	EP 1-25-02
3	REVISED PER WORCESTER COUNTY COMMENTS	WC 07/01	EP 07/01

PROJ. # 85-00177899-02
 TASK # 02-12-01
 OPER. W.C.
 DATE: 02-12-01
 SCALE: FULL
 FILE PATH: A:\OCEAN-PINES-B-TOWN

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WARNING

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APPROVED BY: *[Signature]*

SCALE: 1/4" = 1'-0"

DESIGNED: EP
 DRAWN: WC
 CHECKED: WC
 PEER REVIEWED: WC
 DATE: 8-8-01

OCEAN PINES WATER TREATMENT FACILITY FOR WELL NO. 10
 WORCESTER COUNTY, MARYLAND

BUILDING ELEVATIONS AND SCHEDULES

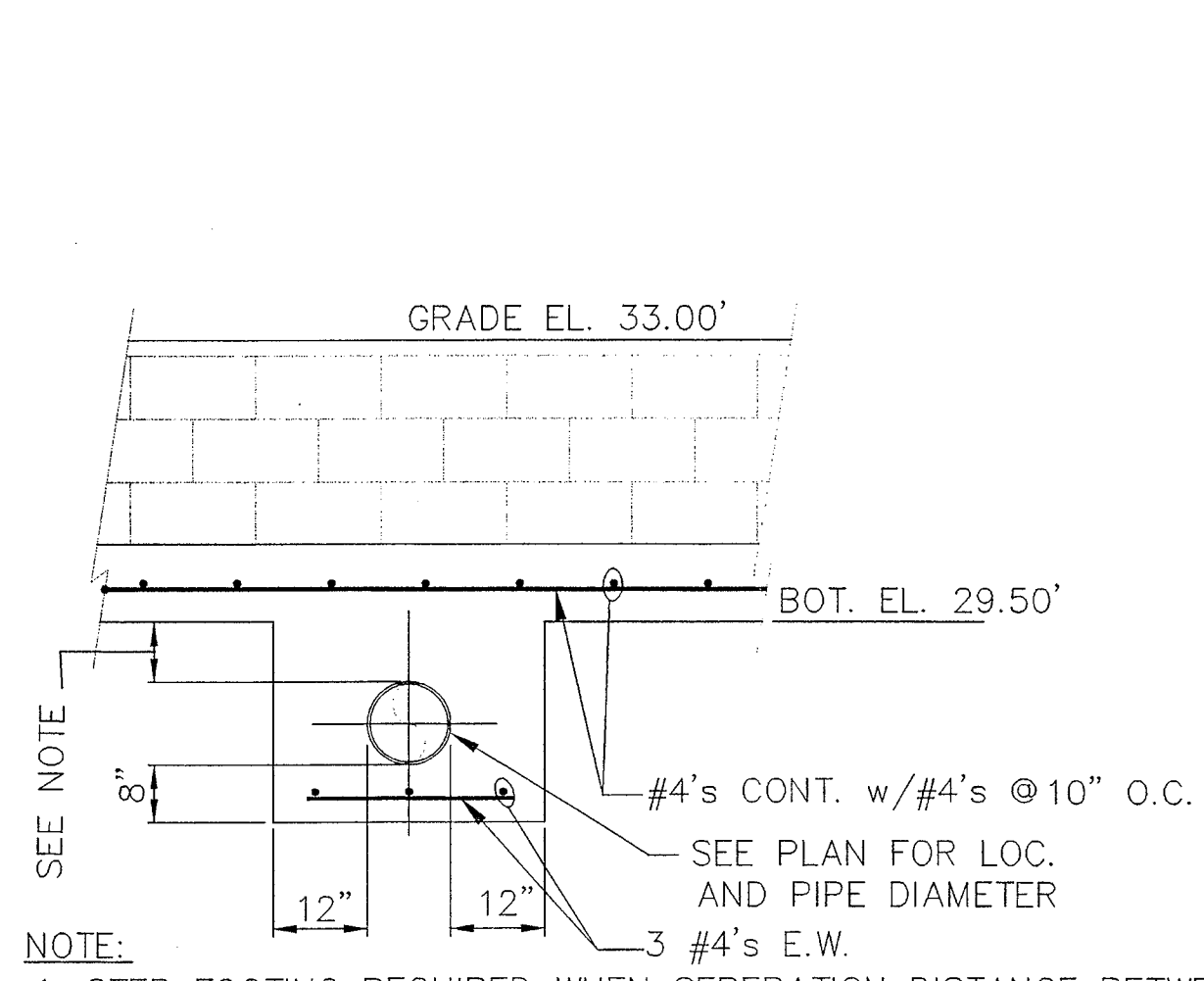
REVISION **3**

PROJECT 85-00177899.02

DRAWING **B-2**

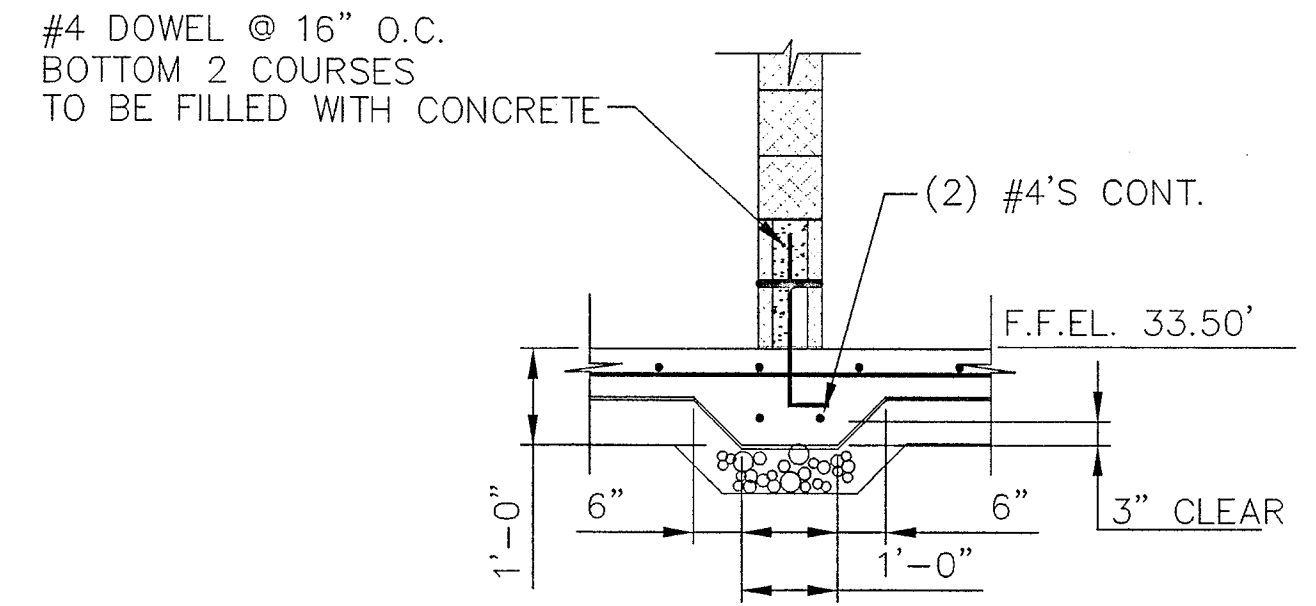
SHEET OF

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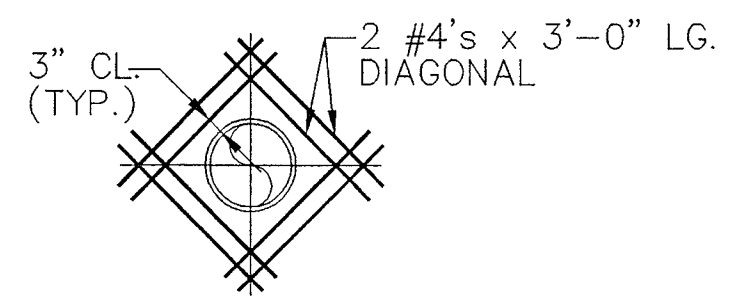


NOTE:
1. STEP FOOTING REQUIRED WHEN SEPERATION DISTANCE BETWEEN TOP OF PIPE AND BOTTOM OF FOOTING IS EQUAL TO OR LESS THAN 1'-0".

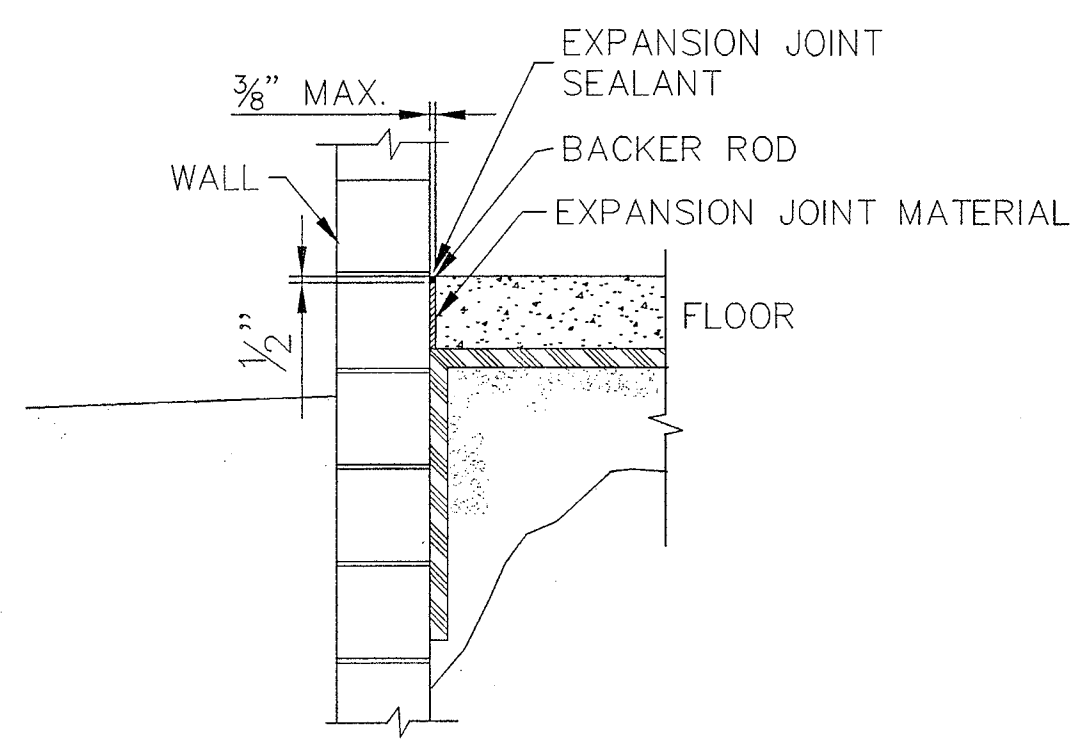
STEP FOOTING (TYP.)
SCALE: 1/2"=1'-0"



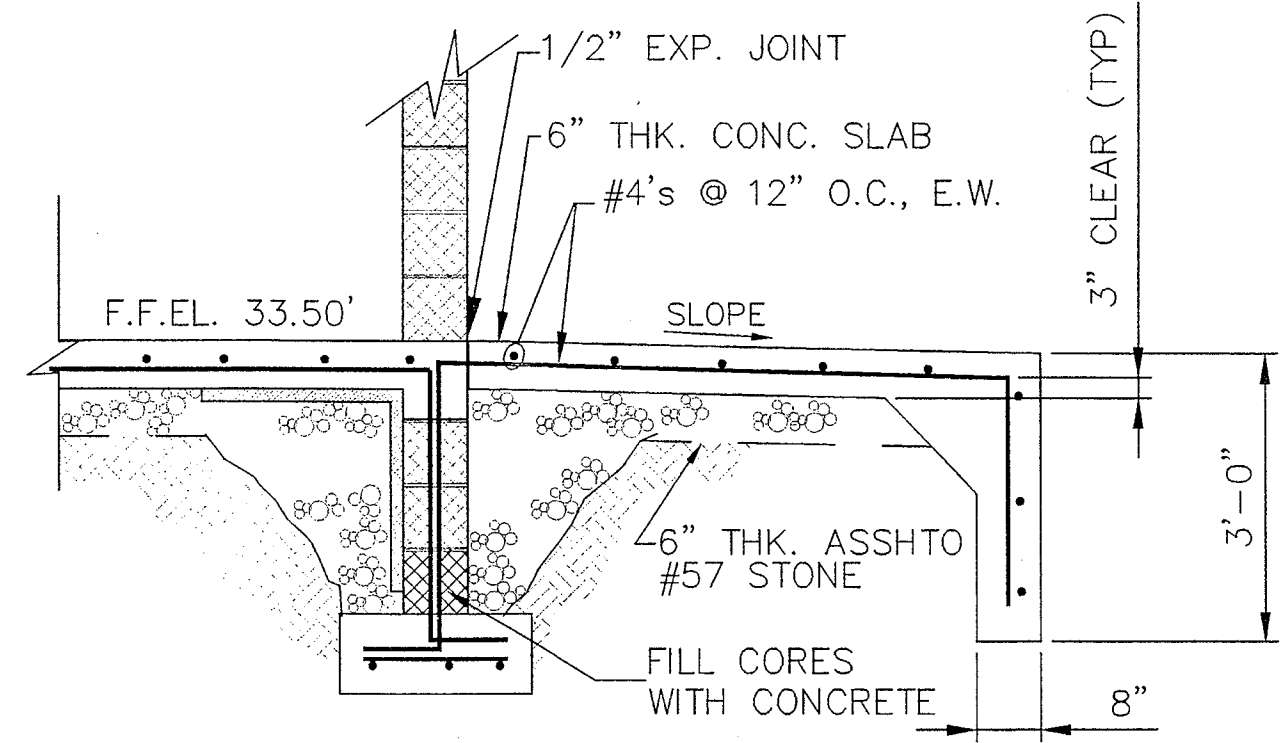
INTERIOR FOOTING
SCALE: 1/2"=1'-0"



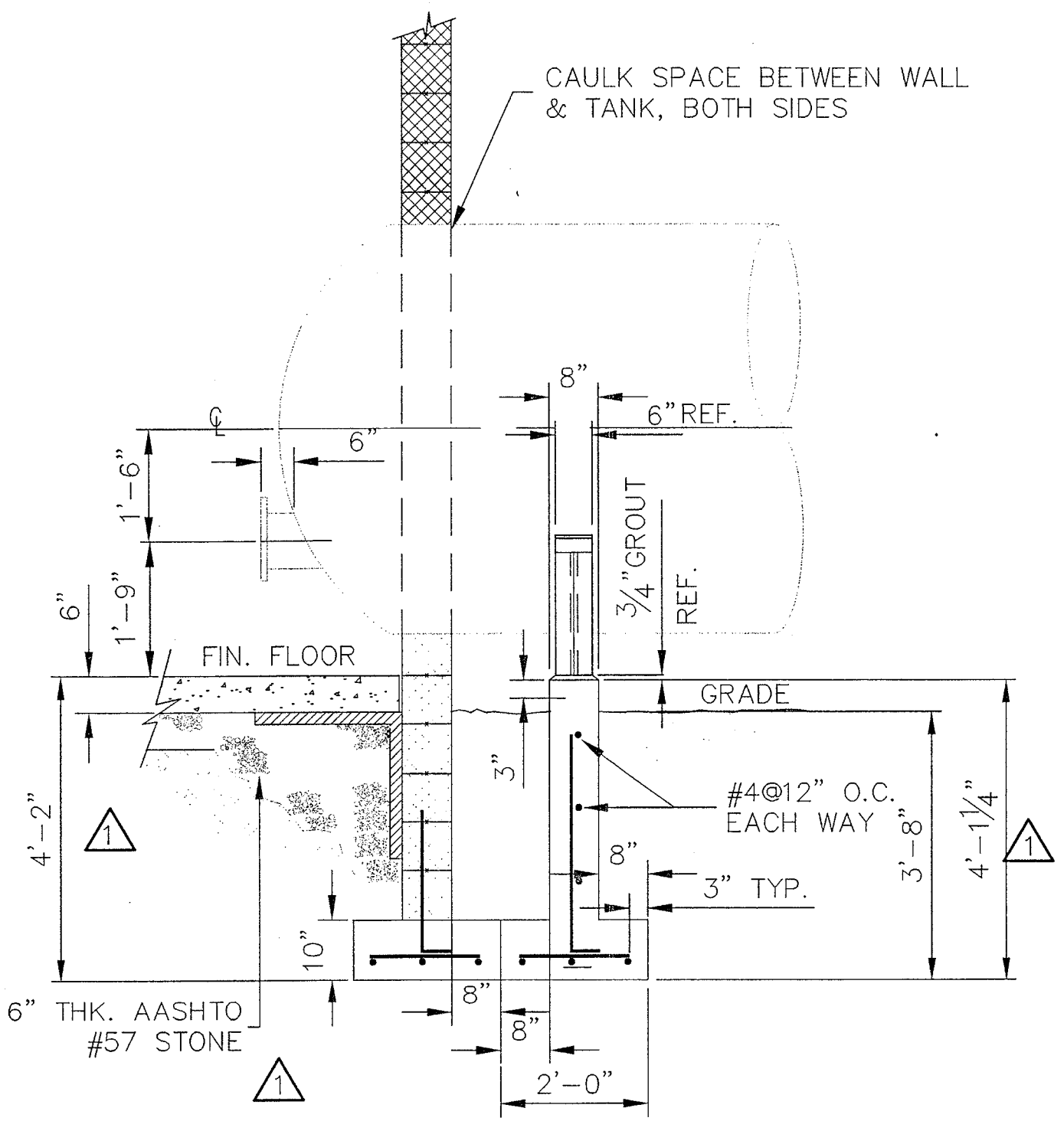
PIPE THRU FLOOR SLAB
CONCRETE SLAB
DIAGONAL REINFORCING
NO SCALE



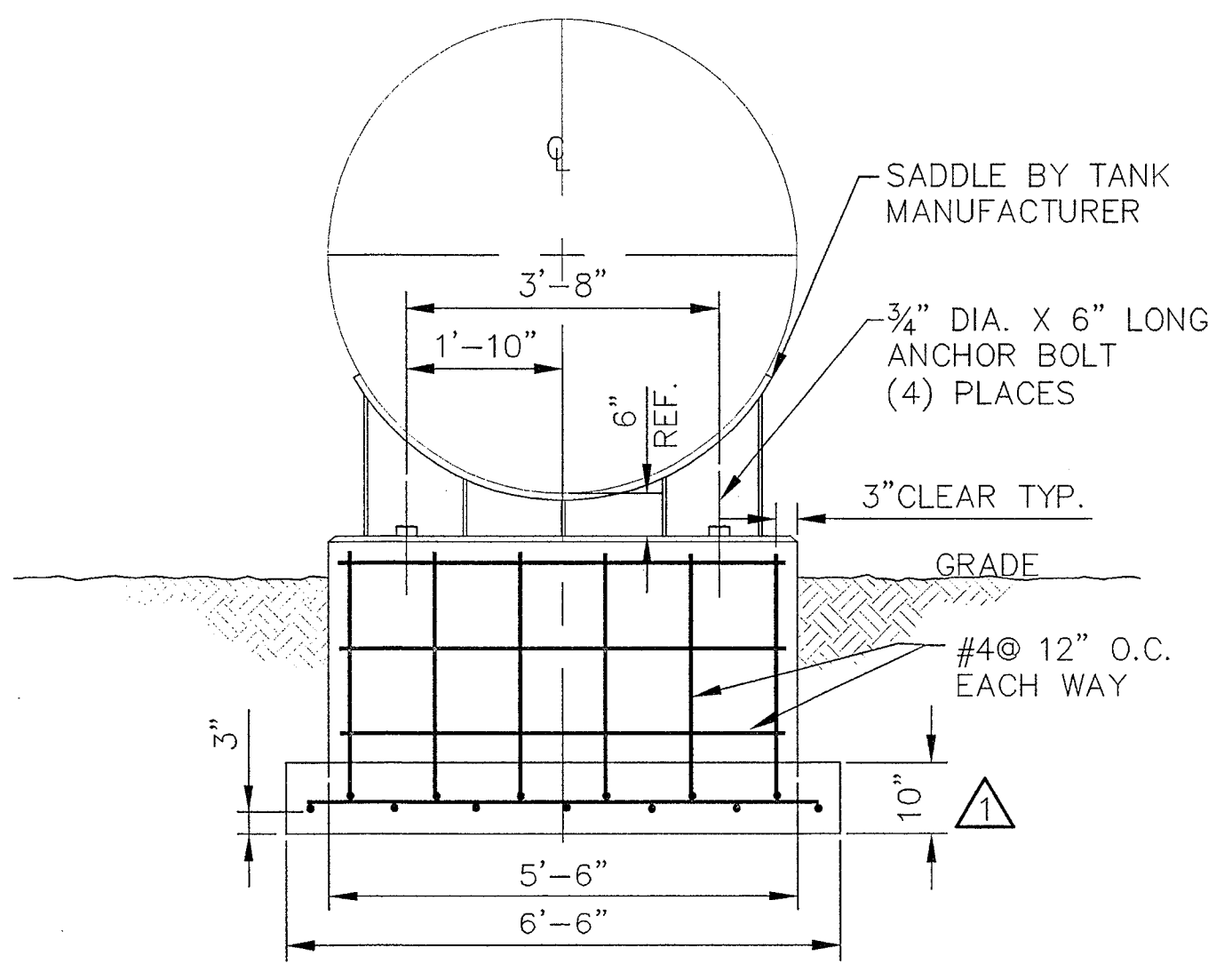
TYPICAL EXPANSION JOINT DETAIL
SCALE: 3/4"=1'-0"



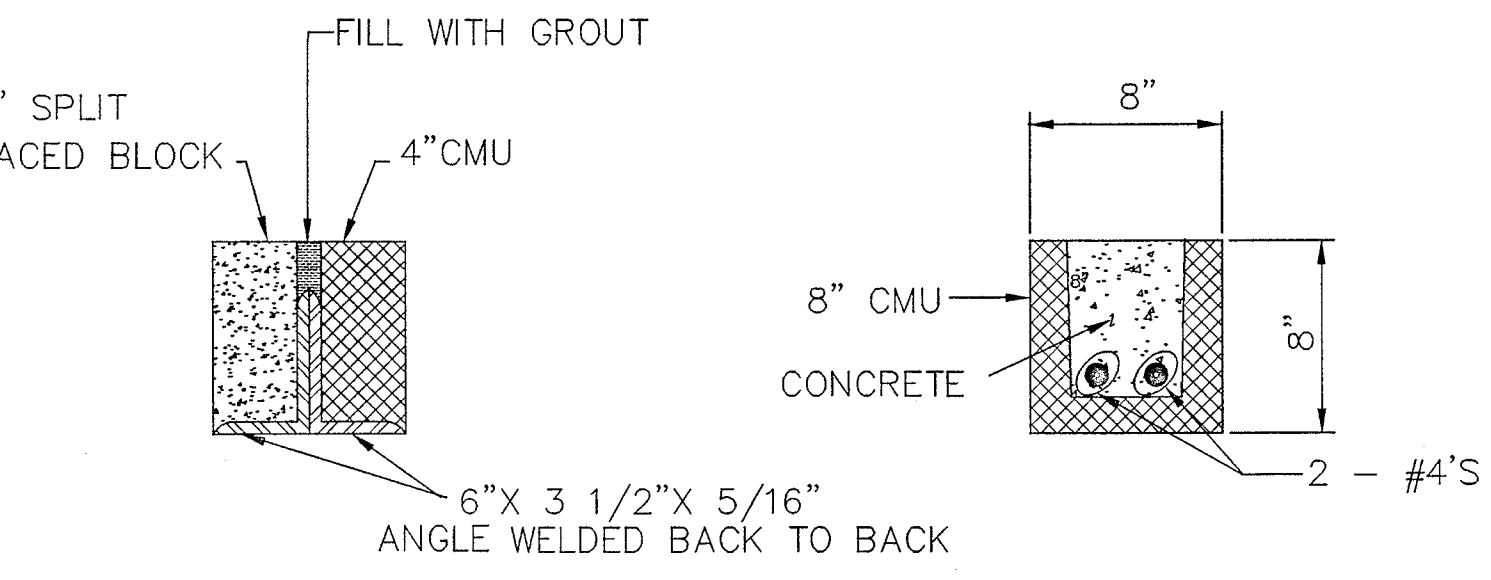
SECTION F
SCALE: 1/2"=1'-0"



SECTION A
SCALE: 1/2"=1'-0"

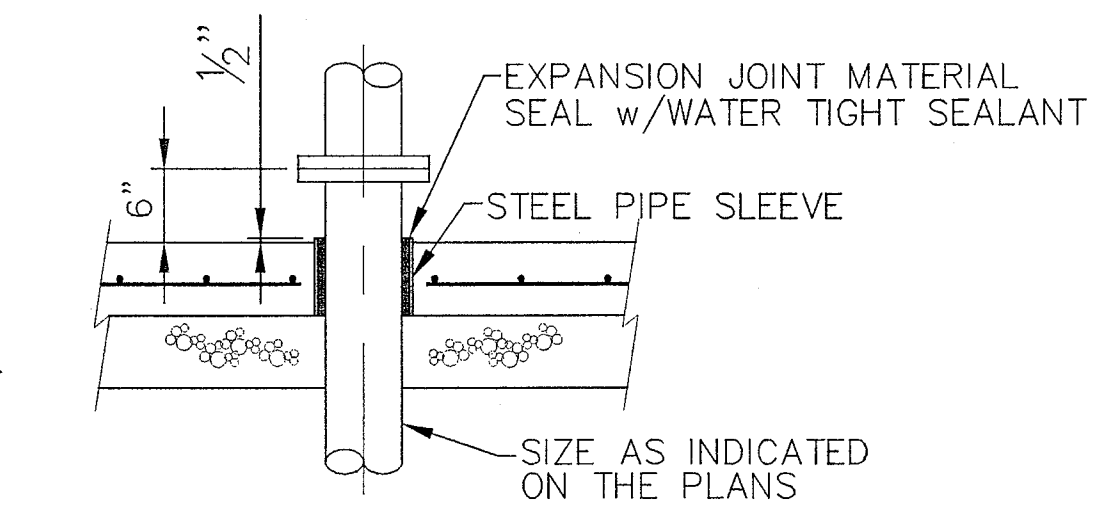


SECTION B
SCALE: 1/2"=1'-0"

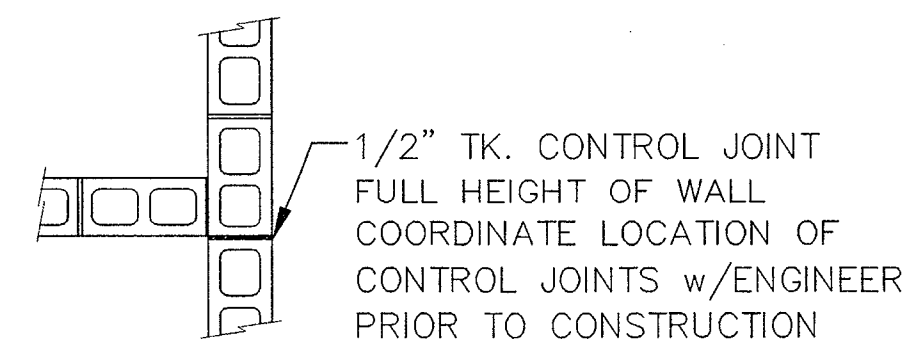


DETAIL NO.2
NO SCALE

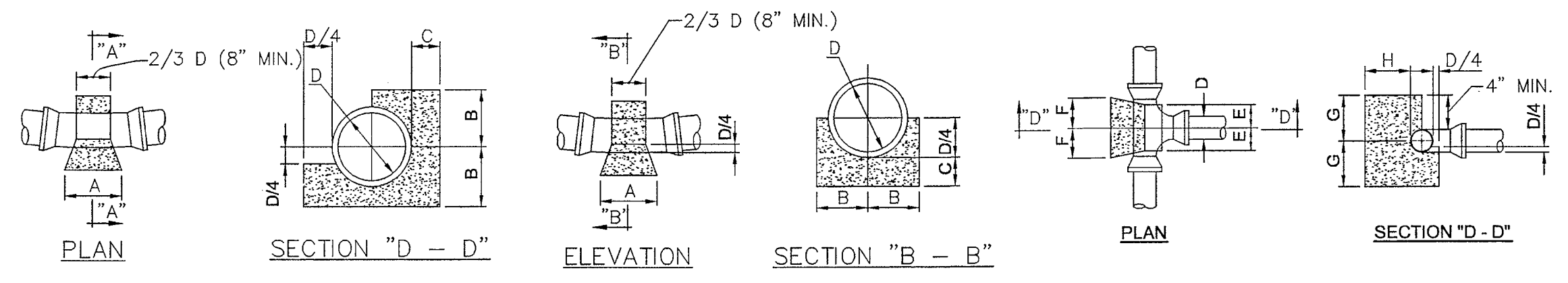
DETAIL NO.1
NO SCALE



FLOOR PENETRATIONS
SCALE: 3/4"=1'-0"



2 TYP. C.M.U. CONTROL JOINT
SCALE: 1/2"=1'-0"



BUTTRESS FOR HORIZONTAL BENDS

BEND	D	4"	6"	8"	10"	12"
1/32	A	6"	6"	8"	10"	12"
	B	7"	7"	8"	9"	10"
	C	7"	7"	7"	8"	8"
1/16	A	9"	9"	12"	14"	21"
	B	7"	7"	8"	9"	10"
	C	8"	8"	9"	10"	11"
1/8	A	15"	15"	20"	25"	30"
	B	7"	7"	8"	9"	11"
	C	7"	7"	8"	10"	11"
1/4	A	24"	24"	32"	36"	40"
	B	6"	6"	9"	13"	15"
	C	10"	10"	19"	19"	18"

BUTTRESS FOR HORIZONTAL BENDS
NO SCALE

BUTTRESS FOR VERTICAL BENDS

BEND	D	4"	6"	8"	10"	12"
1/16	A	9"	9"	12"	18"	21"
	B	7"	7"	7"	8"	10"
	C	7"	7"	7"	8"	8"
1/8	A	15"	15"	20"	25"	30"
	B	7"	7"	8"	9"	11"
	C	7"	7"	8"	10"	11"
1/4	A	15"	15"	20"	25"	30"
	B	7"	7"	8"	9"	11"
	C	7"	7"	8"	10"	11"

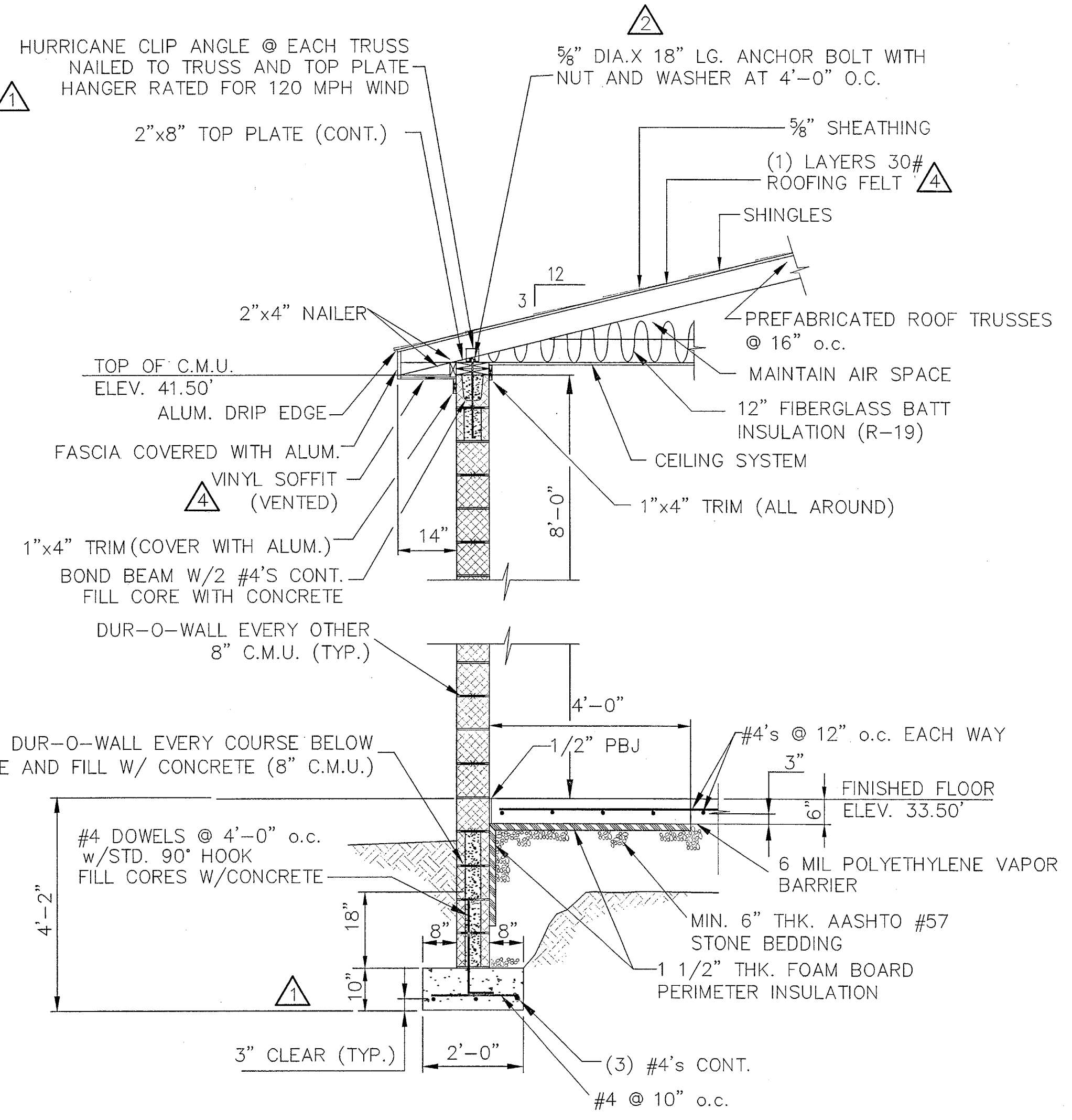
BUTTRESS FOR VERTICAL BENDS
NO SCALE

TEE & WYE BUTTRESS

D	4"	6"	8"	10"	12"
E	6"	6"	8"	8"	12"
F	6"	6"	8"	12"	12"
G	8"	8"	10"	12"	15"
H	8"	8"	9"	10"	12"

BUTTRESS FOR TEE'S & WYE'S
NO SCALE

- BUTTRESS NOTES:**
- BUTTRESSES SHALL BE INSTALLED IN ALL PRESSURE LINES AT ALL VALVES, BENDS, TEES, AND AT REDUCERS OR OTHER FITTINGS WHERE CHANGES IN DIRECTION OR PIPE SIZES OCCUR.
 - BEARING SURFACE SHOULD, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE IT IS NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.
 - ALL CONCRETE SHALL BE 3,000 P.S.I., CLASS A.
 - BUTTRESS DIMENSIONS ARE MINIMUM. DIMENSIONS ARE BASED ON SOIL BEARING PRESSURE OF 3,000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I. WHERE PRESSURE EXCEEDS 150 P.S.I. OR WHERE SOIL BEARING PRESSURE IS LESS THAN 3,000 P.S.F. SPECIAL BUTTRESS DESIGN IS REQUIRED.
 - MINOR VARIATION IN BUTTRESS SHAPE WILL BE PERMITTED PROVIDED THE MINIMUM BEARING AGAINST SOLID GROUND IS MAINTAINED.



TYPICAL WALL SECTION
SCALE: 1/2"=1'-0"

REV	DESCRIPTION OF REVISION	BY	DATE
1	REVISED PER WORCESTER COUNTY COMMENTS	RG	4/26/01
2	REVISED PROJECT DESCRIPTION TITLE	WC	5/28/01
3	REVISED PER WORCESTER COUNTY COMMENTS	WC	6/20/01
4	REVISED PER WORCESTER COUNTY COMMENTS	WC	6/20/01

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SCALE: FULL
DATE: 03-30-01
OPER: WJC

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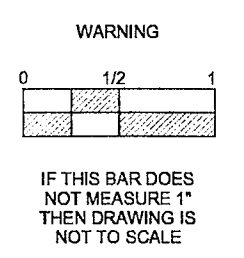
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SCALE	AS NOTED
DESIGNED	EP
DRAWN	WC
CHECKED	
PEER REVIEWED	
DATE	03-30-01

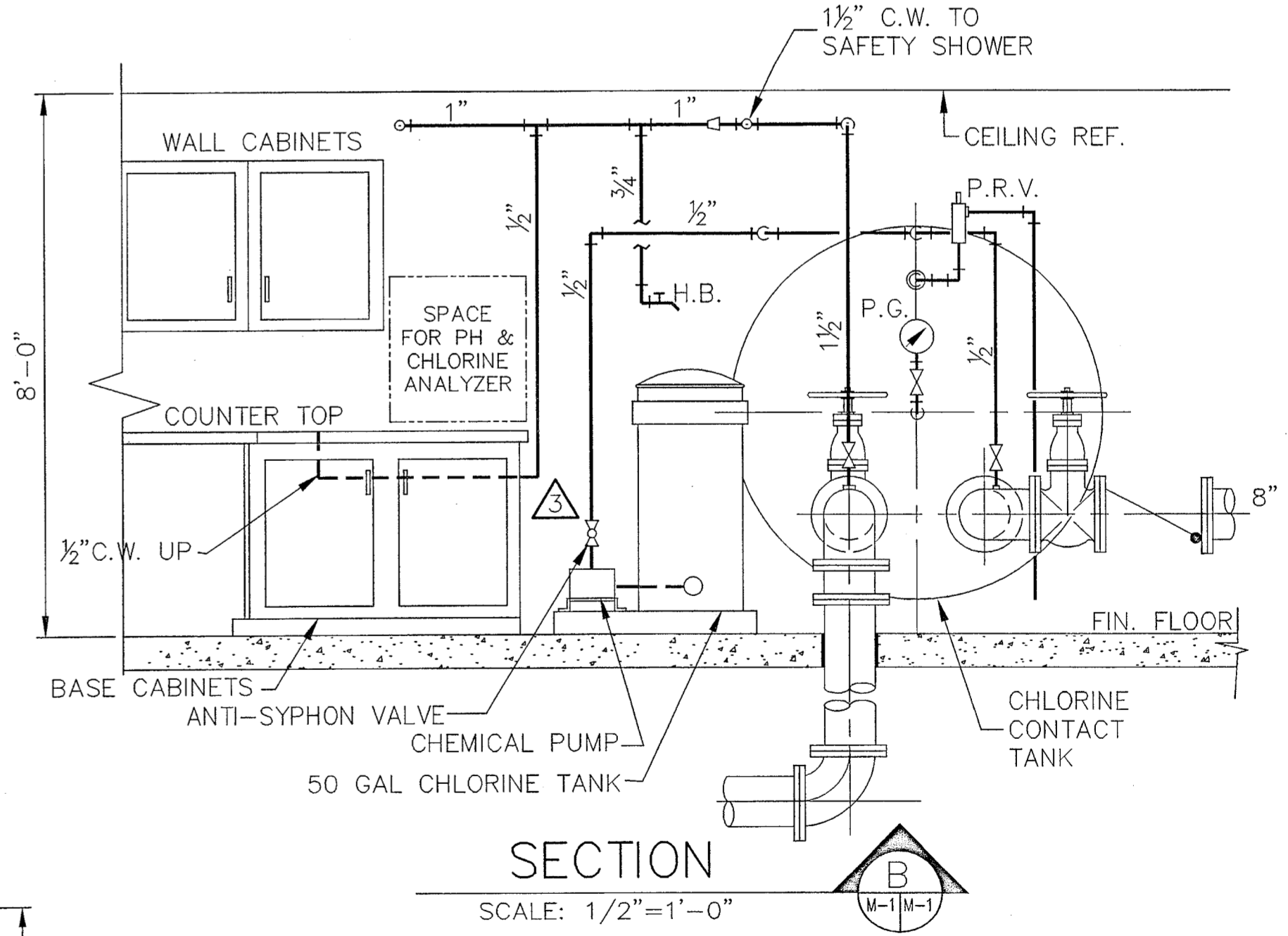
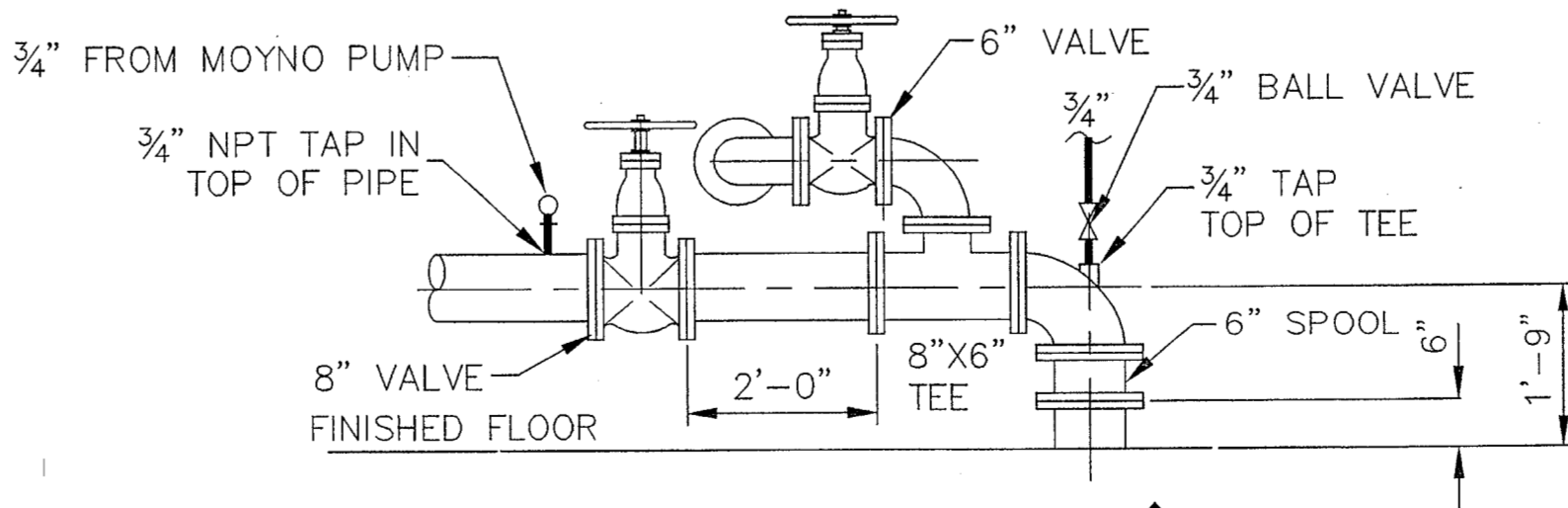
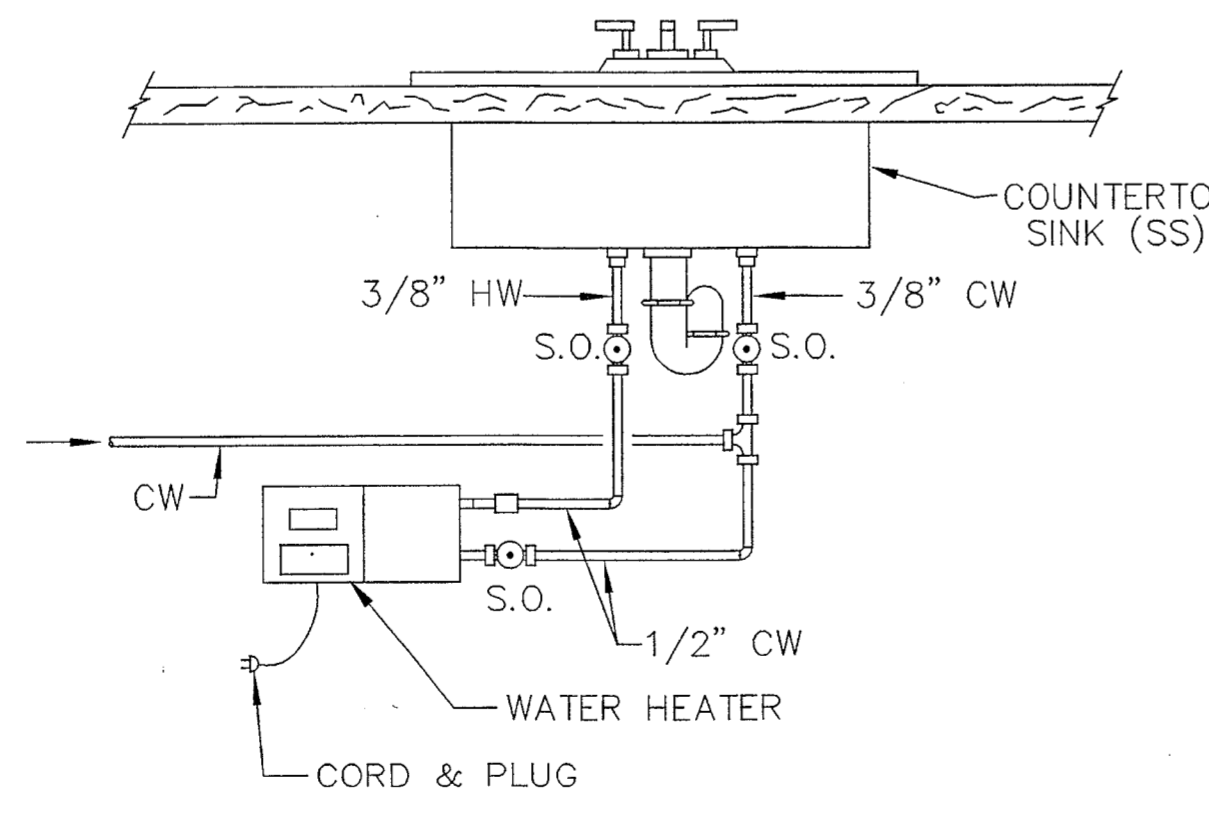
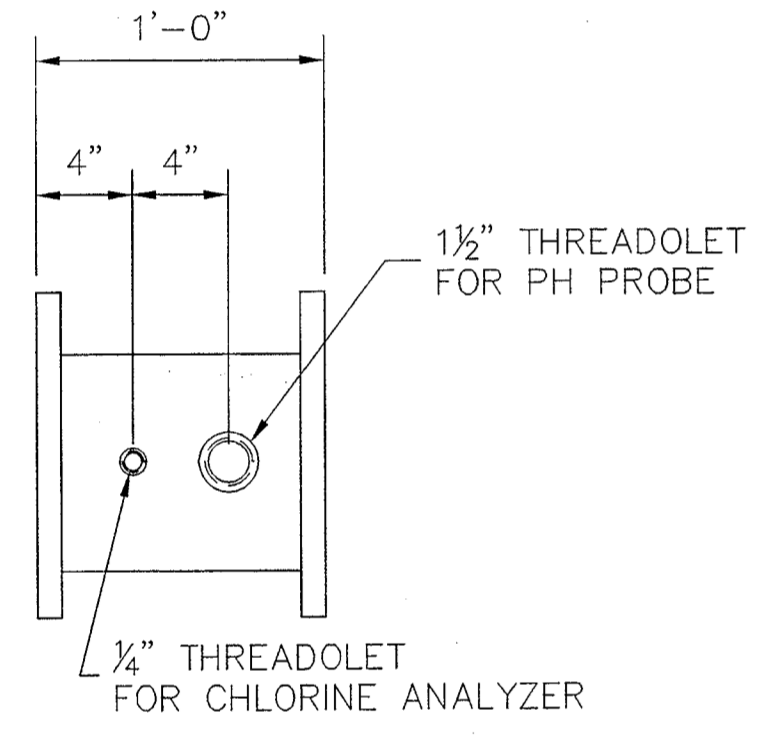
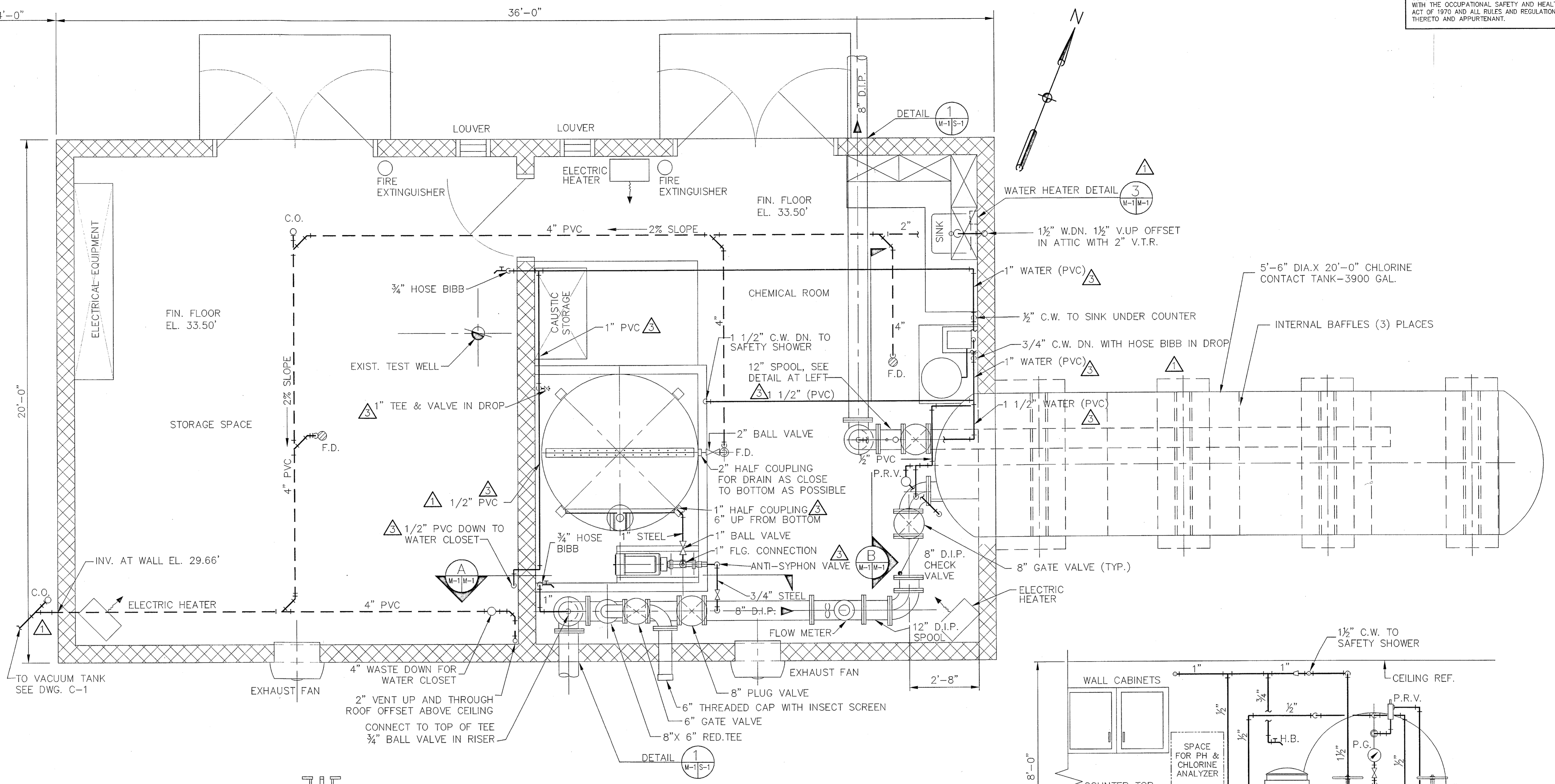
OCEAN PINES WATER TREATMENT FACILITY
FOR WELL NO. 10
WORCESTER COUNTY, MARYLAND

BUILDING EQUIPMENT AND SECTION

REVISION
4

PROJECT: 85-00177899.02
DRAWING: S-1
SHEET OF

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REV	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
1	REVIS PER WORCESTER COUNTY COMMENTS	RS	CSS
2	REVISE PROJECT DESCRIPTION TITLE	WC	EP
3	REVIS PER WORCESTER COUNTY COMMENTS	WC	EP

PROJ. # _____ TASK # _____
 DATE: 02-12-01 OPER. W.C.
 FILE PATH: A:\OCEAN-PINES\1.DWG
 SCALE: _____

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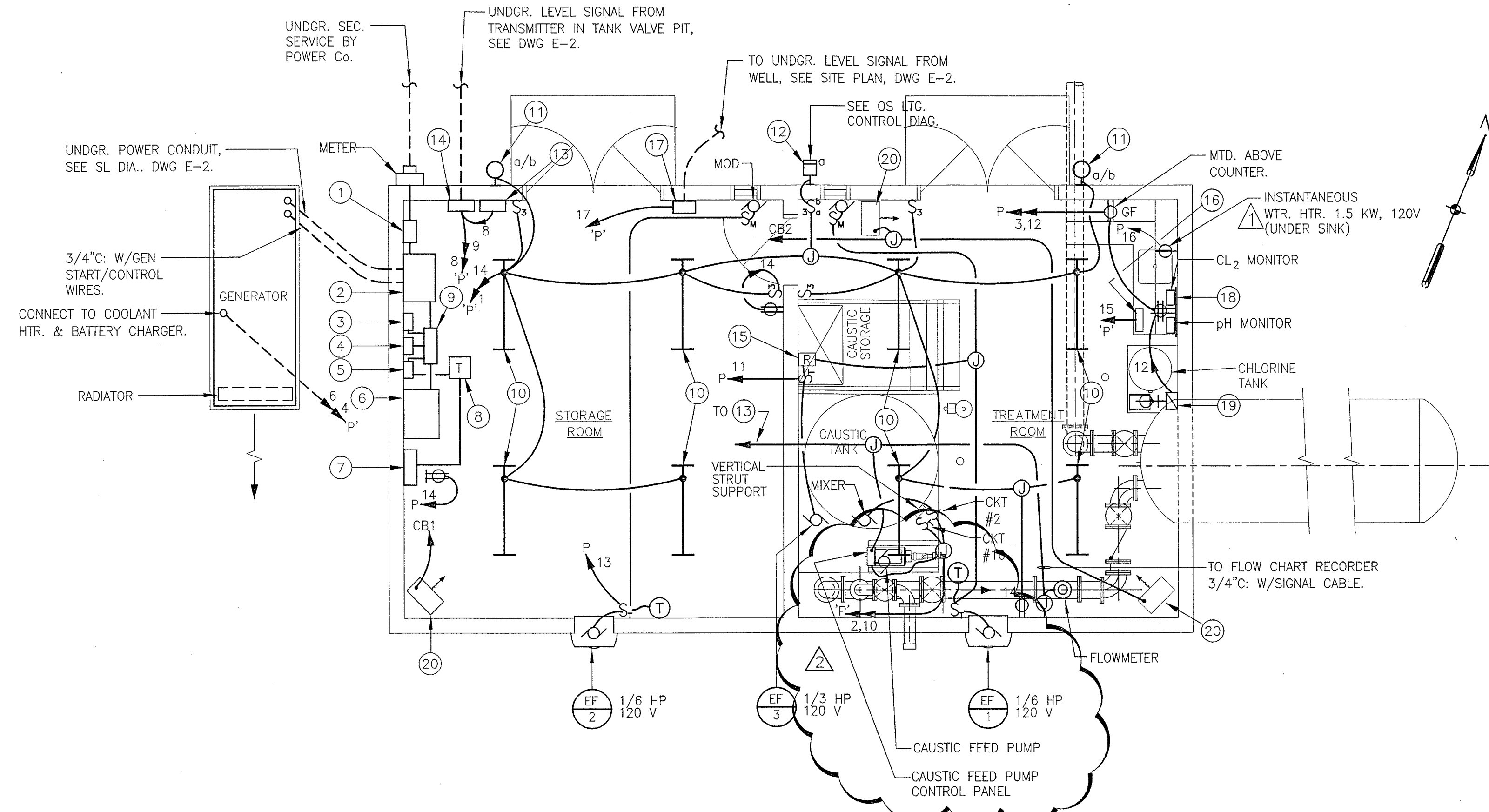
WARNING
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

APPROVED BY: *[Signature]*
 SCALE: 1/2" = 1'-0"
 DESIGNED: EP
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 CHECKED: _____
 PEER REVIEWED: _____
 DATE: 8-8-01

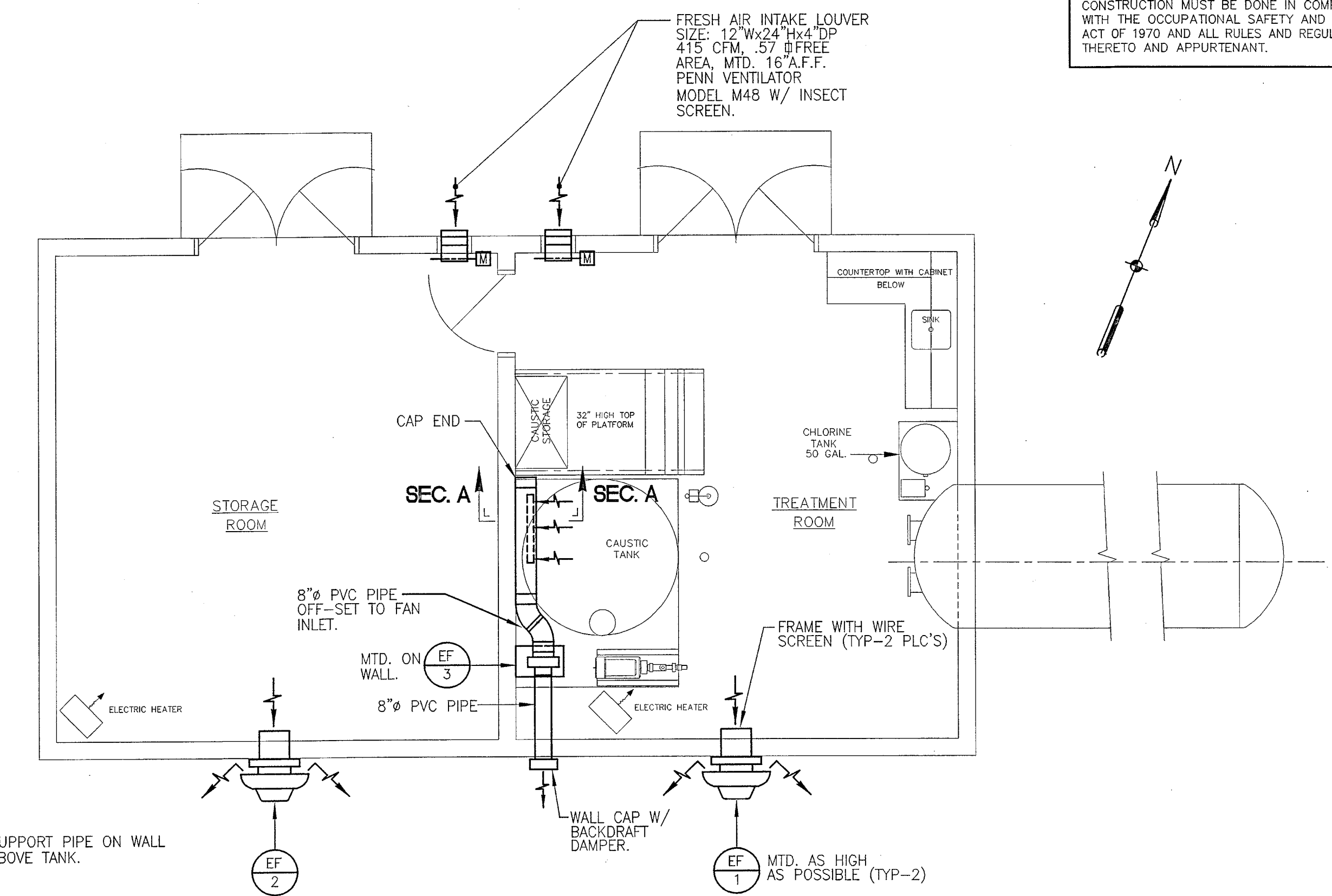
OCEAN PINES WATER TREATMENT FACILITY
 FOR WELL NO. 10
 WORCESTER COUNTY, MARYLAND
MECHANICAL FLOOR PLAN AND DETAILS

REVISION: **3**
 PROJECT: 85-00177899.02
 DRAWING: **M-1**
 SHEET OF

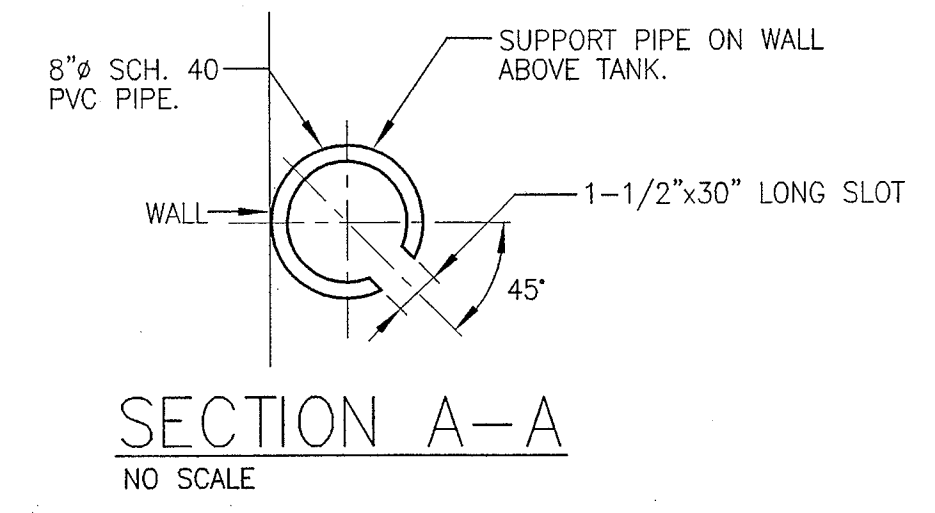
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO AND APPURTENANT.



FLOOR PLAN - ELECTRICAL
SCALE: 1/4"=1'-0"



FLOOR PLAN - VENTILATION
SCALE 1/4"=1'-0"



SECTION A-A
NO SCALE

EQUIPMENT SCHEDULE

- 1 MCB—MAIN CIRCUIT BREAKER, 150A3P+SN, NEMA 1 ENCLOSED, SQUARE D KAL346150/KA225S/SN225KA
- 2 ATS—AUTOMATIC TRANSFER SWITCH, 150A3P+SN, NEMA 1 ENCLOSED, ONAN "OTPC"
- 3 CB1—STORAGE ROOM HEATER CIRCUIT BREAKER, 15A3P NEMA 1, SQUARE D FAL34015/FA100S
- 4 CB2—TREATMENT ROOM HEATER CIRCUIT BREAKER, 15A3P, NEMA 1, SQUARE D FAL34015/FA100S
- 5 CB3—TRANSFORMER CIRCUIT BREAKER, 30A3P, NEMA 1, SQUARED FAL24030/FA100S
- 6 PMC—PUMP MOTOR CONTROLLER—SQUARE D ALISTART 46 CLASS 8639NU4S
- 7 PANEL "P"—120/240V, 1Ø, 3W, SEE SCHEDULE
- 8 TRANSFORMER, 10KVA—480—120/240V, 1Ø, SQUARE D 10S40F WALL MOUNT AS HIGH AS POSSIBLE.
- 9 TERMINAL CABINET, 16"x14"x6"D, SCREW COVER JIC BOX WITH INTERIOR PANEL, MANUFACTURED BY HOFFMAN OR WIEGMAN, WITH 3-POLE POWER DISTRIBUTION BLOCK W/ CLEAR PLASTIC COVER, SQUARE D CLASS 9080, LBC363206/LB33
- 10 ENCLOSED AND GASKETED FLUORESCENT FIXTURE, HUBBELL EWLO42R—SPDR—L1 WITH (2) 40W F40SPX41 OR EQUAL LITHONIA
- 11 OUTDOOR WALL FIXTURE, HUBBELL NRG—304 FURNISHED WITH 42 WATT COMPACT FLUORESCENT LAMP
- 12 OUTDOOR SENSOR—PHOTOCELL PERMISSIVE MOTION SENSOR WITH 10 SECOND TO 15 MINUTE TIME DELAY, HUBBELL PSWM—140—1 OR EQUAL
- 13 WELL FLOW CHART RECORDER
- 14 TANK LEVEL CHART RECORDER
- 15 CAUSTIC TANK EXHAUST INTERLOCK RELAY SEE WIRING DIAGRAM FOR EF-1 & EF-3, DWG E-2.
- 16 DIALER, WALL—MOUNTED ABOVE MONITORS — "NAPCO" MAGNUM ALERT 1000e CONTROL PANEL/COMMUNICATOR WITH RP1054e KEYPAD & POWER TRANSFORMER AND YUA—NP—172 RECHARGEABLE SEALED LEAD—ACID BATTERY. CONTRACTOR TO MOUNT KEYPAD ON FRONT DOOR OF DIALER, WIRE & PROGRAM DIALER FOR ALARMS INDICATED — SEE DIAGRAM DWG E-2.
- 17 WELL LEVEL INDICATOR/CONTROLLER MTD. IN DOOR OF A HOFFMAN A—12108CH (12"Hx10"Wx8"D).
- 18 2"x2"x3/8" POLYCARBONATE PLATE ANCHORED TO WALL AT EACH CORNER WITH STAINLESS STEEL HARDWARE. SHIM PLATE 3/4" FROM WALL WITH POLYCARBONATE BLOCKS.
- 19 CHLORINE FEED PUMP CONTROL — SEE CONTROL DIAGRAM, DWG E-2.
- 20 UNIT HEATER, 5kW, 480V 3Ø — CHROMALOX LUH—05—043—32 WITH LUH—TK—1 (SPST) THERMOSTAT, EDS—1 POWER DISCONNECT AND WUH—04A CEILING BRACKET.

PANEL "P" 120/240V, 1Ø, 3W

DESIGNATION	LOAD	BRANCH CIRCUIT	CIR. NO.	CIR. NO.	DESIGNATION	LOAD	BRANCH CIRCUIT	CIR. NO.	CIR. NO.
MAIN CIRCUIT BREAKER 50/2									
LIGHTS	620W	2#12	20	1	2	25	2#12	3/4 HP	CAUSTIC TANK MIXER
RECEPTACLES	600W	2#12	20	3	4	20	2#12	1500W	GENERATOR COOLANT HEATER
ELEV. TANK LIGHTS	500W	2#12	20	5	6	20	2#12	300W	GENERATOR BATTERY CHARGER
ELEV. TANK PIT SUMP PUMP	1/3 HP	2#12	20	7	8	15	2#12	200W	WELL FLOW CHART RECORDER
TANK LVL. CHART RECORDER	100W	2#12	15	9	10	20	2#12	1/2 HP	CAUSTIC FEED PUMP
TREATMENT ROOM EF 1&3	1/3+1/6HP	2#12	20	11	12	20	2#12	250W	CL ₂ FEED PUMP
STORAGE ROOM EF-2	1/6HP	2#12	20	13	14	20	2#12	600W	RECEPTACLES
DIALER	200W	2#12	15	15	16	20	2#12	1500W	INSTANTANEOUS WATER HEATER
WELL LEVEL INDICATOR	200W	2#12	15	17	18	20	-	-	SPARE
BLANK SPACE	-	-	-	19	20	-	-	-	BLANK SPACE

FAN SCHEDULE

FAN No.	SERVICES	ARRANGEMENT	CFM	S.P. (IN. W.G.)	RPM	DRIVE	H.P.	V/Ø	WEIGHT (LBS.)	MANUFACTURER MODEL	REMARKS
EF-1	CHEMICAL ROOM	WALL MTD. CENTRIFUGAL	415	1/2"	1640	DIRECT	1/8	115/1	30	COOK ACW-D-100W15DM	(3) (4) (5) (6)
EF-2	STORAGE	WALL MTD. CENTRIFUGAL	415	1/2"	1640	DIRECT	1/8	115/1	30	COOK ACW-D-100W15DM	(3) (4) (5) (6)
EF-3	CAUSTIC TANK	WALL MTD. CENTRIFUGAL	420	3/8"	1160	BELT	1/3	115/1	20	HARRINGTON HPC-0800	(1) (2) (3)

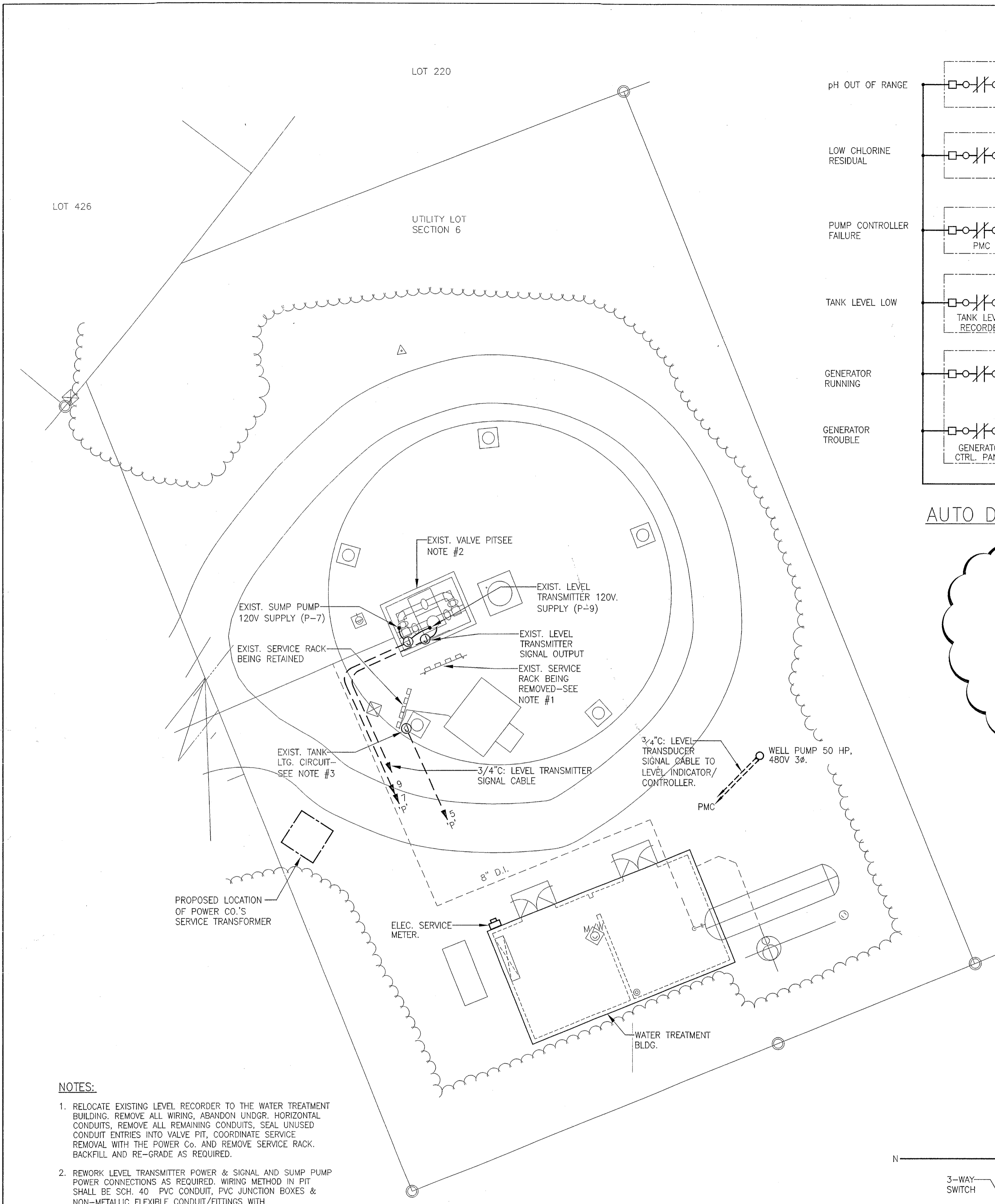
NOTES: FURNISH UNIT WITH: 1 FRP FAN 2 WALL CAP W/BACKDRAFT DAMPER 3 INTERLOCK W/INTAKE LOUVER 4 BIRD SCREEN 5 DISCONNECT SWITCH 6 BACKDRAFT DAMPER

- ELECTRICAL LEGEND
- ALL ITEMS ARE NOT NECESSARILY USED ON PLANS
- ⊕ SUBSCRIPT ('A') DESIGNATES LIGHT FIXTURE TYPE
 - S SINGLE POLE WALL SWITCH
 - S₃ THREE WAY WALL SWITCH
 - S_M MANUAL STARTER W/O THERMAL OVERLOADS
 - S_T MANUAL STARTER W/ THERMAL OVERLOADS
 - S_K KEY SWITCH
 - ⊏ DISCONNECT SWITCH
 - ⊏ DISCONNECT SWITCH — FUSED
 - ⊕ DUPLEX WALL RECEPTACLE OUTLET
 - ⊕ CEILING OR WALL MOUNTED JUNCTION BOX
 - ⊕ MOTOR OUTLET
 - ⊕ THERMOSTAT
 - ELECTRICAL RACEWAY EXPOSED
 - ELECTRICAL UNDERGROUND OR IN FLOOR
 - HOMERUN TO PANEL — ARROWS & NUMBERS INDICATE CIRCUITS & CIRCUIT NUMBERS
 - WP WEATHERPROOF
 - E.C. ELECTRICAL CONTRACTOR
 - S/L SINGLE LINE DIAGRAM
 - S.S. STAINLESS STEEL
 - ⊕ MOTORIZED DAMPER
 - ATS AUTOMATIC TRANSFER SWITCH
 - A.F.G. ABOVE FINISH GRADE
 - A.F.F. ABOVE FINISH FLOOR
 - ⊕ PRESSURE SWITCH
 - TWSH TWISTED SHIELDED
 - SH SHIELDED
 - ⊕ CEILING OR WALL MOUNTED DIRECT CONNECTION BOX

CAREW ASSOCIATES, INC.
ELECTRICAL & MECHANICAL CONSULTING ENGINEERS
2006 CONCORD PIKE WILMINGTON, DELAWARE 19803 (302) 688-4281 FAX (302) 688-9162

REV	DESCRIPTION OF REVISION	BY	DATE	CHECKED BY	DATE

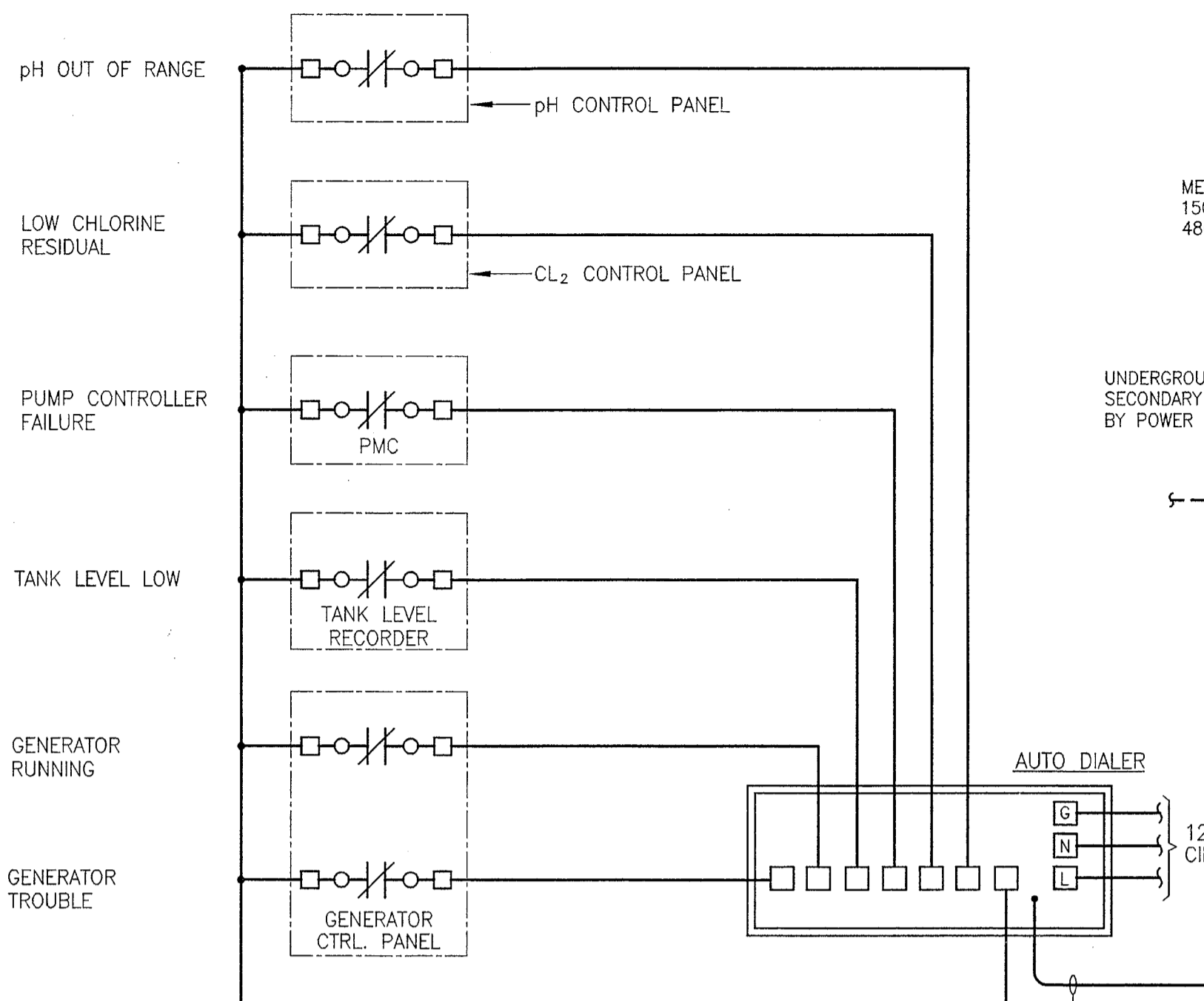
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION. SAFETY CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERE TO AND APPURTENANT.



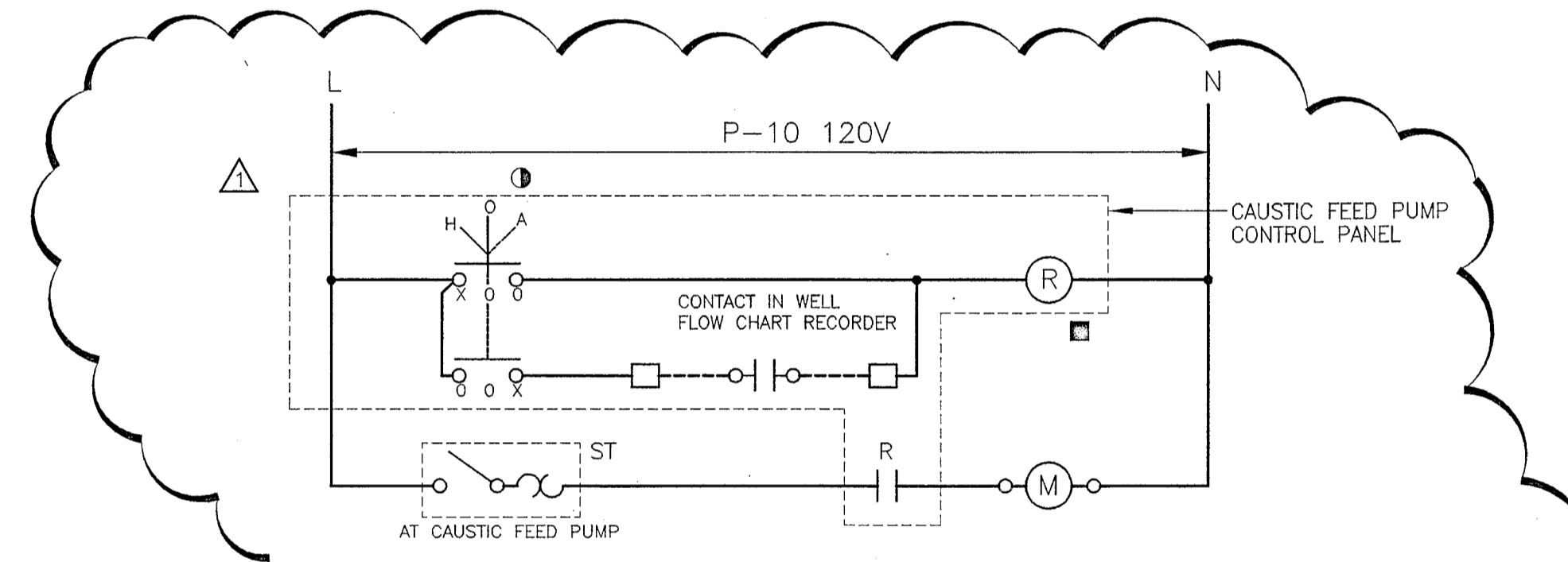
NOTES:

1. RELOCATE EXISTING LEVEL RECORDER TO THE WATER TREATMENT BUILDING. REMOVE ALL WIRING, ABANDON UNDERGROUND HORIZONTAL CONDUITS, REMOVE ALL REMAINING CONDUITS, SEAL UNUSED CONDUIT ENTRIES INTO VALVE PIT, COORDINATE SERVICE REMOVAL WITH THE POWER CO. AND REMOVE SERVICE RACK, BACKFILL AND RE-GRADE AS REQUIRED.
2. REWORK LEVEL TRANSMITTER POWER & SIGNAL AND SUMP PUMP POWER CONNECTIONS AS REQUIRED. WIRING METHOD IN PIT SHALL BE SCH. 40 PVC CONDUIT, PVC JUNCTION BOXES & NON-METALLIC FLEXIBLE CONDUIT/FITTINGS WITH NON-CORROSIVE SUPPORT HARDWARE. REMOVE ALL EXISTING UNUSED ELECTRICAL WORK.
3. INTERCEPT EXISTING TANK LIGHTING CIRCUIT WITH CAST ALUMINUM GASKETED JUNCTION BOX FOR NEW FEED FROM THE WATER TREATMENT BLDG. REMOVE THE EXISTING 120V CIRCUIT SUPPLY FROM EXISTING SERVICE RACK BEING RETAINED.

WELL PLAN - ELECTRICAL
SCALE 1"=10'-0"

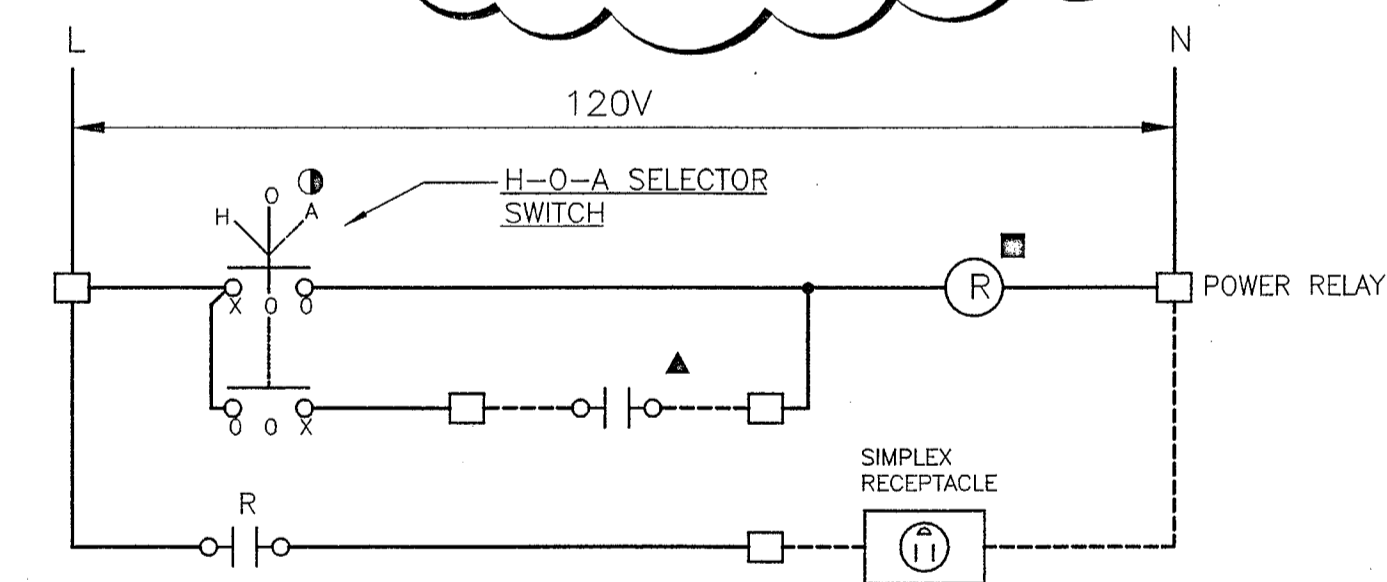


AUTO DIALER ALARM DIAGRAM



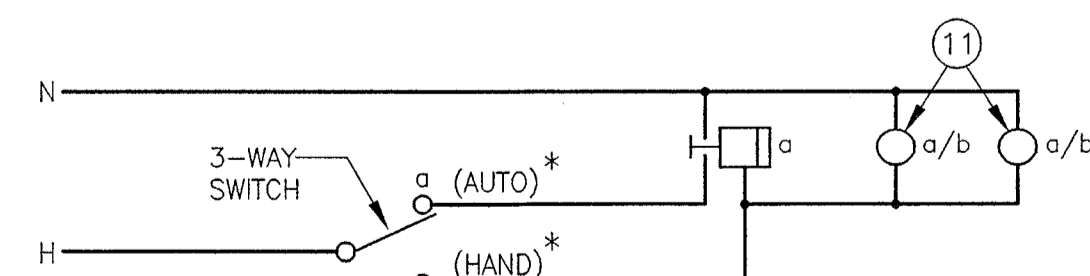
CAUSTIC FEED PUMP CONTROL

- SQ-D 8501-XM020V02 RELAY MOUNTED IN NEMA 4X CABINET (LOCATED AT CAUSTIC FEED PUMP)
- Ⓛ SQ-D 9001-TYPE K SELECTOR SWITCH/LEGEND PLATE MOUNTED IN DOOR OF NEMA 4X CABINET



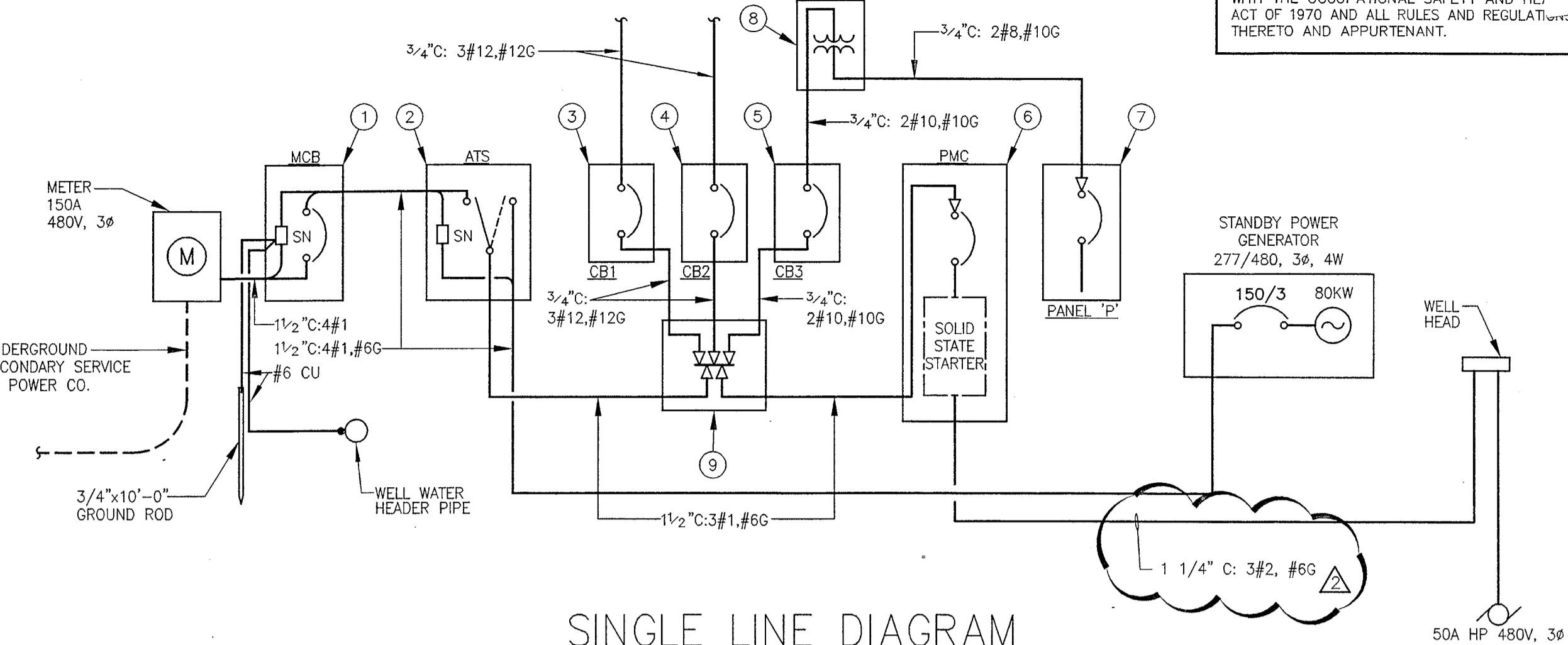
CHLORINE FEED PUMP CONTROL

- SQ-D 8501-XM020V02 RELAY MOUNTED IN NEMA 4X CABINET
- Ⓛ SQ-D 9001-TYPE K SELECTOR SWITCH/LEGEND PLATE MOUNTED IN DOOR OF NEMA 4X CABINET
- ▲ IN PUMP MOTOR CONTROLLER

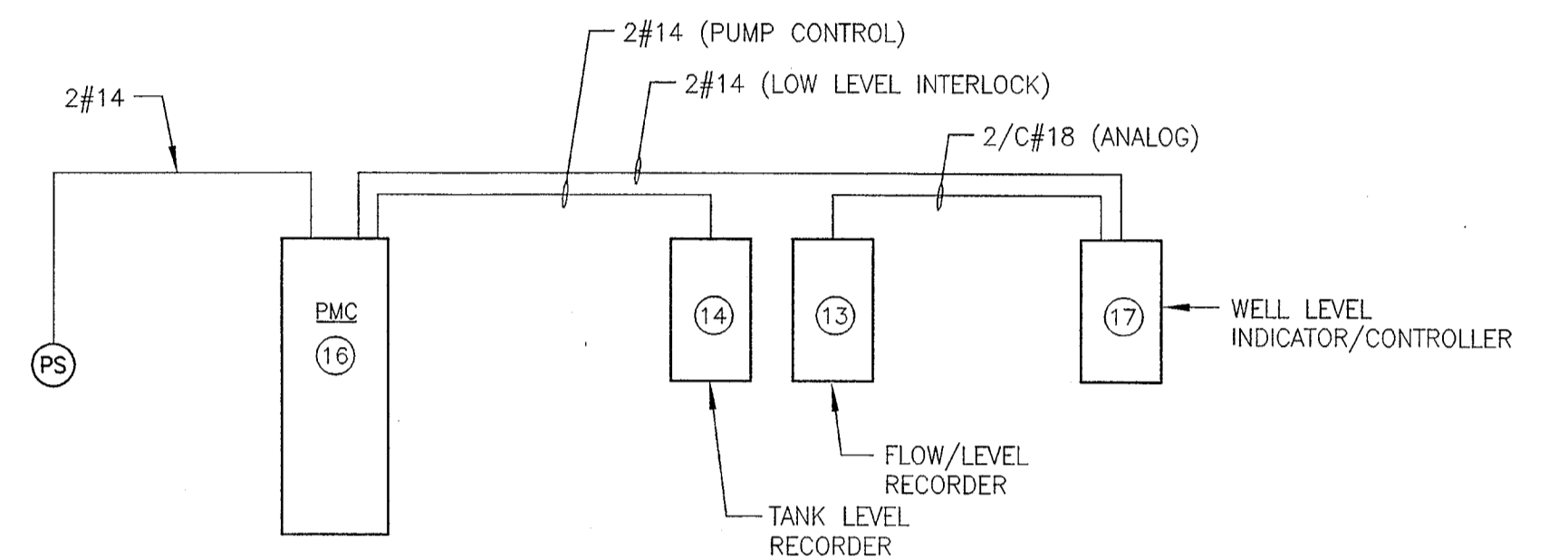


OUTSIDE LIGHTING CONTROL DIAGRAM

*LABELS ON SWITCH WALL PLATE

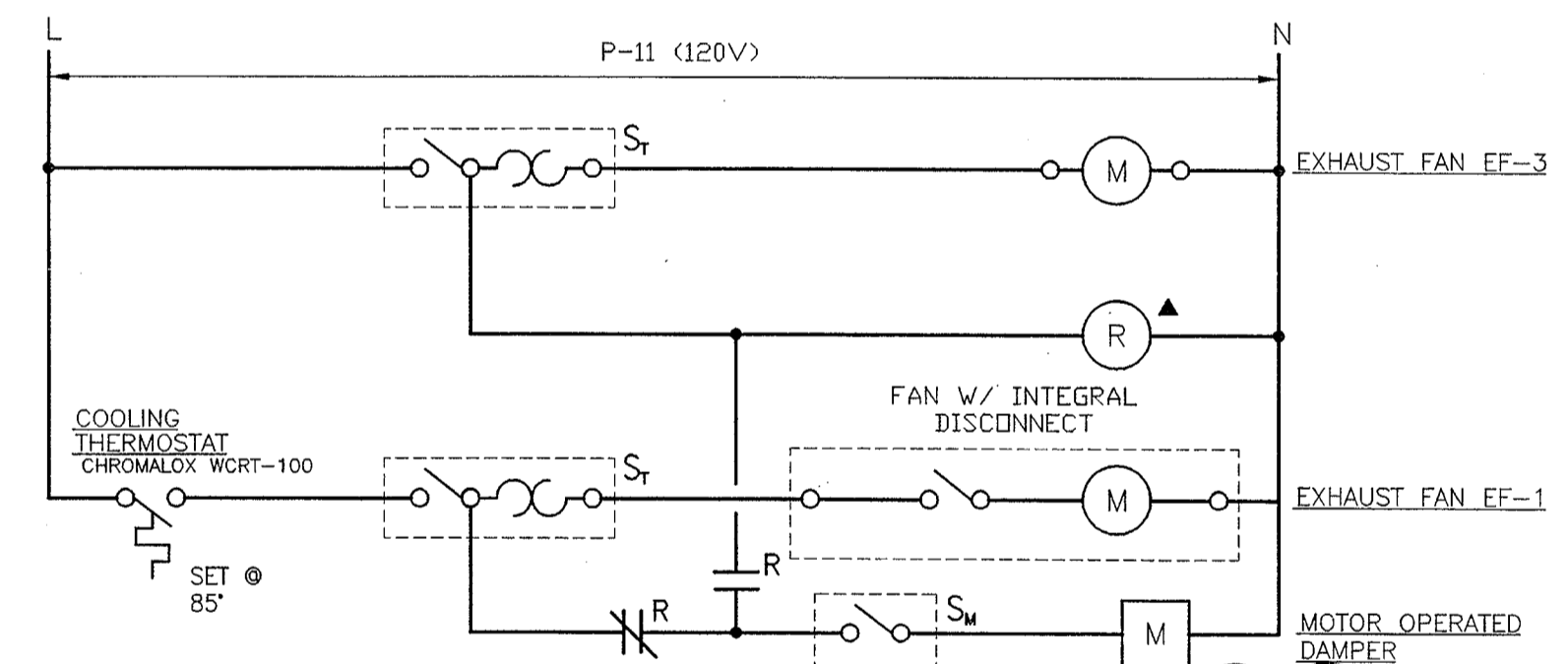


SINGLE LINE DIAGRAM



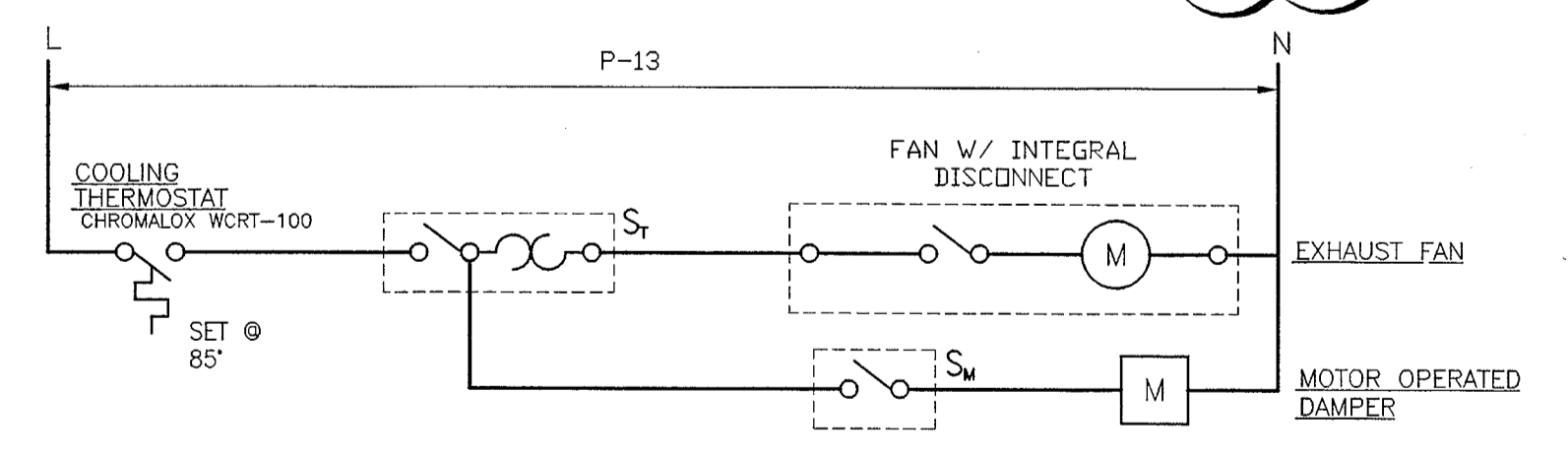
PUMP CONTROL/INTERLOCK DIAGRAM

- INSTALL CONTROL/INTERLOCK WIRING IN 3/4" CONDUIT.
- INSTALL ANALOG CABLE IN SEPARATE 3/4" CONDUIT.



WIRING DIAGRAM FOR EF-1 & 3

- ▲ SQUARE 'D' CLASS 8501-X020V02 MTD IN HOFFMAN A-B65JFGOR/A6P6/A50MFK FIBERGLASS TYPE 4X ENCLOSURE.



WIRING DIAGRAM FOR EF-2

CAREW ASSOCIATES, INC.
ELECTRICAL & MECHANICAL CONSULTING ENGINEERS
2005 CONCORD PIKE WILMINGTON, DELAWARE 19803
(302) 658-4281 FAX (302) 658-9162

067-01-03

SCALE	1"=10'
DESIGNED	R.C.
DRAWN	JRB
CHECKED	R.C.
PEER REVIEWED	R.C.
DATE	04-06-01

REV	DESCRIPTION OF REVISION	REVISION
1	REVISED FEEDER SIZE TO WELL PUMP	JRC 4/10/02
2	REVISED PER COMMENTS	JRC 4/19/02
3		RSS 4/18/02
4		RSS 4/18/02

OCEAN PINES WATER SUPPLY WORCESTER COUNTY, MARYLAND		REVISION	2
NORTH TOWER-WELL NO. 10 SITE PLAN & DIAGRAMS		PROJECT	85-00177899.02
		DRAWING	E-2
		SHEET	OF

MISS UTILITY DELMARVA
WORCESTER COUNTY
DEPARTMENT OF PUBLIC WORKS

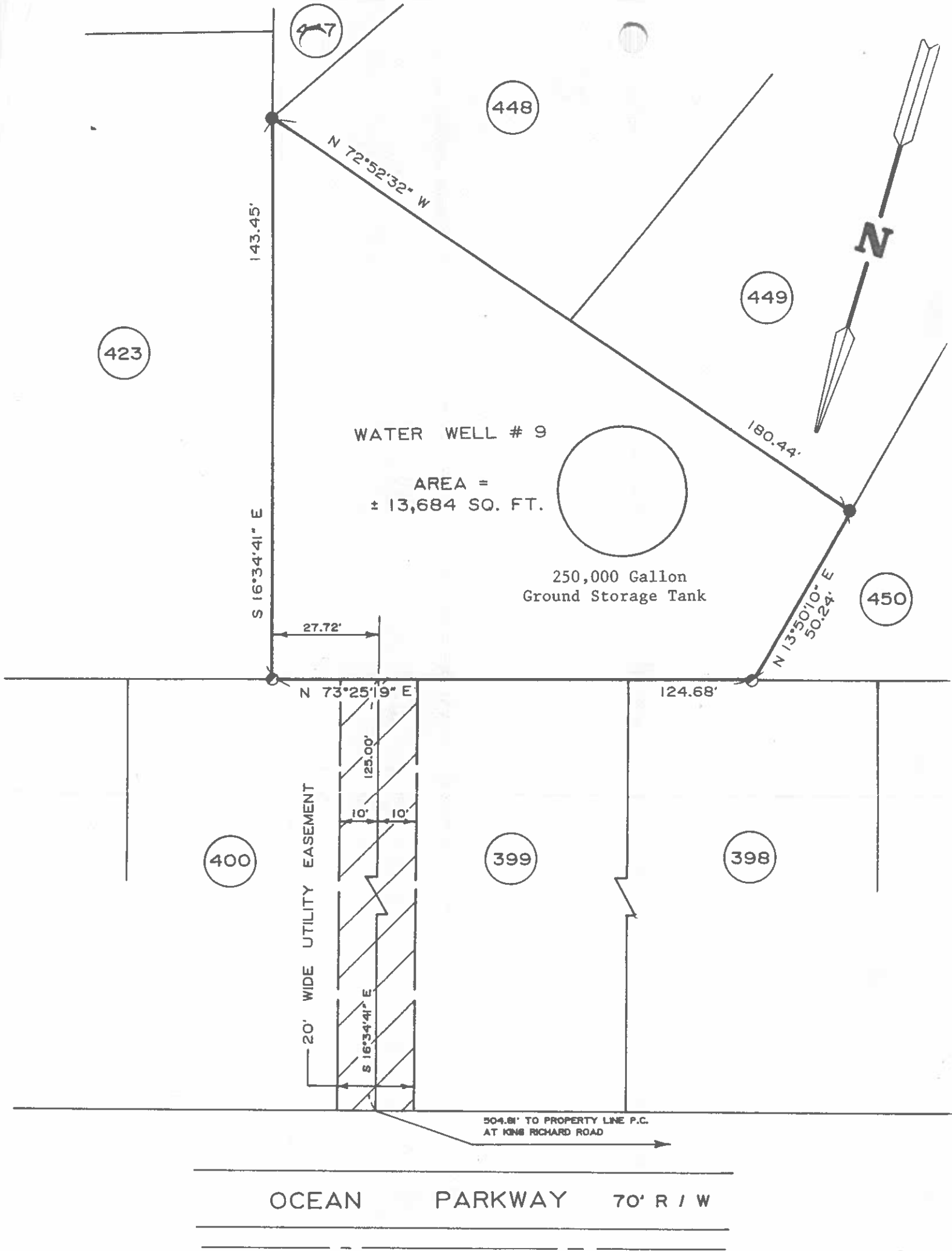
Earth Data INCORPORATED
American Consulting Engineers Council Member
Supporting Excellence in Engineering

URS
1200 Philadelphia Pike
Wilmington, DE 19809
Tel: 302.791.0700
Fax: 302.791.0708

WARNING
IF THIS BAR DOES NOT MEASURE THEN DRAWING IS NOT TO SCALE

STATE OF MARYLAND
PROFESSIONAL ENGINEER
5/22/02





- DENOTES IRON PIPE, FOUND
- DENOTES IRON PIPE, SET

L. E. Bunting Surveys, Inc.
 MARYLAND & VIRGINIA
 LAND SURVEYING
 24 BROAD STREET
 BERLIN, MARYLAND 21811
 410-641-3313

REFERENCE PLAT:
 "Ocean Pines"
 Section 10
 BY:
 Prince William Eng. Co.
 Sept., 1970

PLAT

SHOWING
SECTION 10, WELL LOT # 1
OCEAN PINES
 THIRD ELECTION DISTRICT
 WORCESTER COUNTY, MARYLAND

SCALE: 1" = 30' DATE: 5 / 14 / 92
 JOB NO.: 4613 / 92