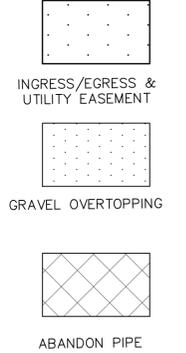
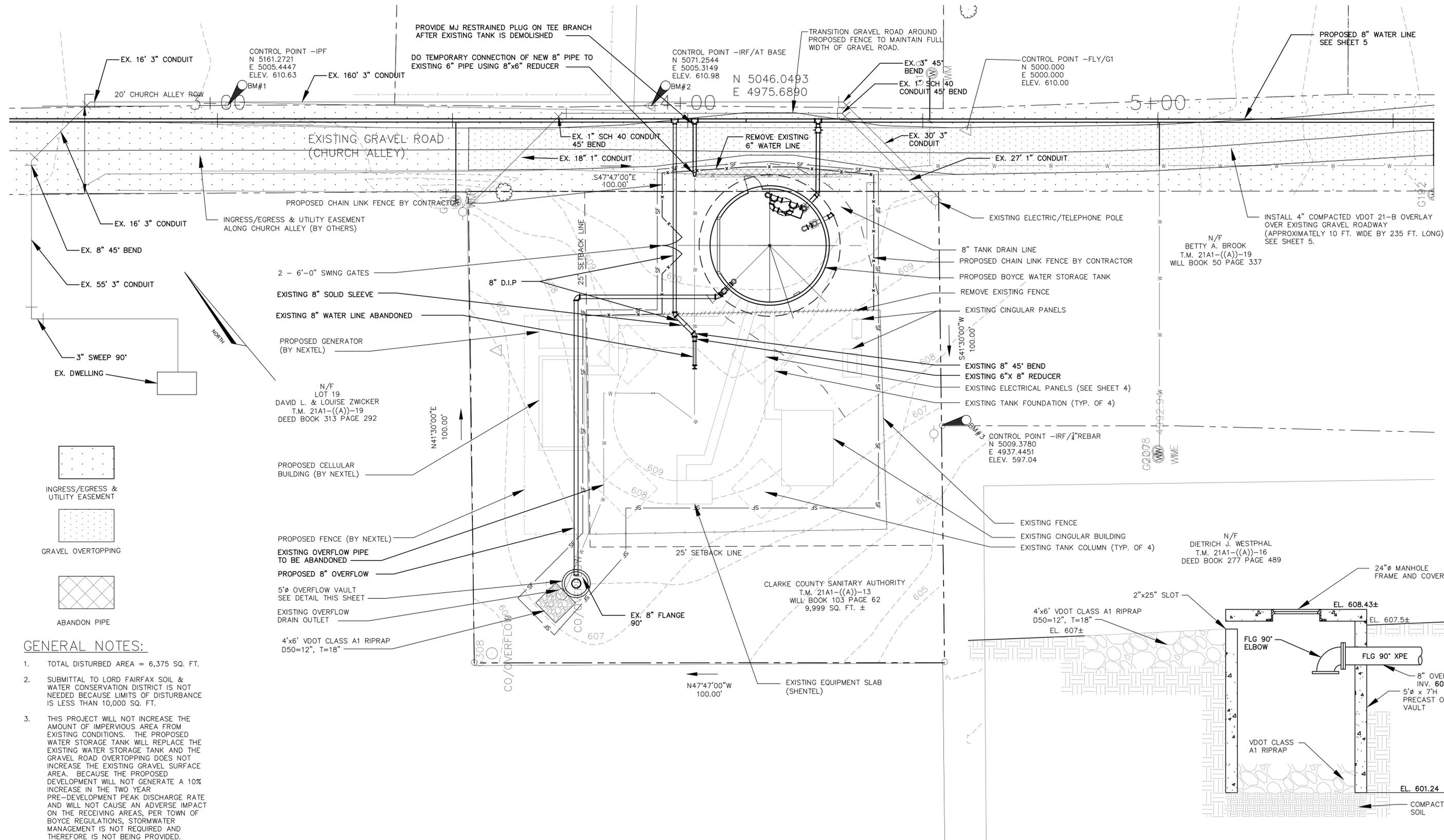


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**GENERAL NOTES:**

- TOTAL DISTURBED AREA = 6,375 SQ. FT.
- SUBMITTAL TO LORD FAIRFAX SOIL & WATER CONSERVATION DISTRICT IS NOT NEEDED BECAUSE LIMITS OF DISTURBANCE IS LESS THAN 10,000 SQ. FT.
- THIS PROJECT WILL NOT INCREASE THE AMOUNT OF IMPERVIOUS AREA FROM EXISTING CONDITIONS. THE PROPOSED WATER STORAGE TANK WILL REPLACE THE EXISTING WATER STORAGE TANK AND THE GRAVEL ROAD OVERTOPPING DOES NOT INCREASE THE EXISTING GRAVEL SURFACE AREA. BECAUSE THE PROPOSED DEVELOPMENT WILL NOT GENERATE A 10% INCREASE IN THE TWO YEAR PRE-DEVELOPMENT PEAK DISCHARGE RATE AND WILL NOT CAUSE AN ADVERSE IMPACT ON THE RECEIVING AREAS, PER TOWN OF BOYCE REGULATIONS, STORMWATER MANAGEMENT IS NOT REQUIRED AND THEREFORE IS NOT BEING PROVIDED.

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104-B CHURCH STREET, S.E.  
LEESBURG, VA 20175  
PHONE: (703) 443-8376  
CONTACT: MARTY KAZMIERCZAK

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0" = 1"  
BAR IS ONE INCH ON FULL SIZE DRAWING USE BAR TO ADJUST SCALE ACCORDINGLY

DRW BY: JDW  
CHK BY: SCY  
APP BY: MAK  
DATE: 3/05  
HORIZ. SCALE: 1" = 10'  
VERT. SCALE: N/A

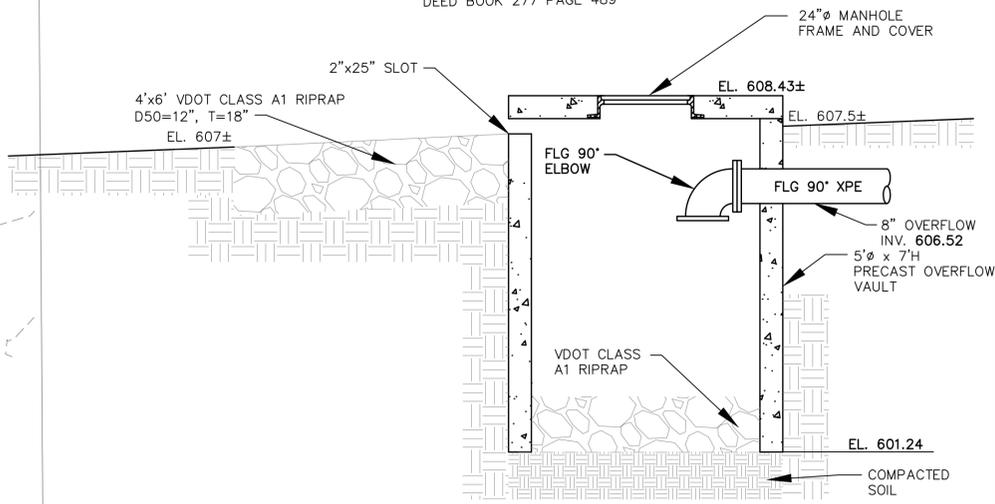


No.	Date	Revision	Description	Rev. By
1	12/19/05		ISSUED FOR CONSTRUCTION	JDW
2	11/13/06		RECORD DRAWINGS	AEC

**BOYCE WATER STORAGE TANK**  
CLARKE COUNTY SANITARY AUTHORITY  
CLARKE COUNTY, VIRGINIA

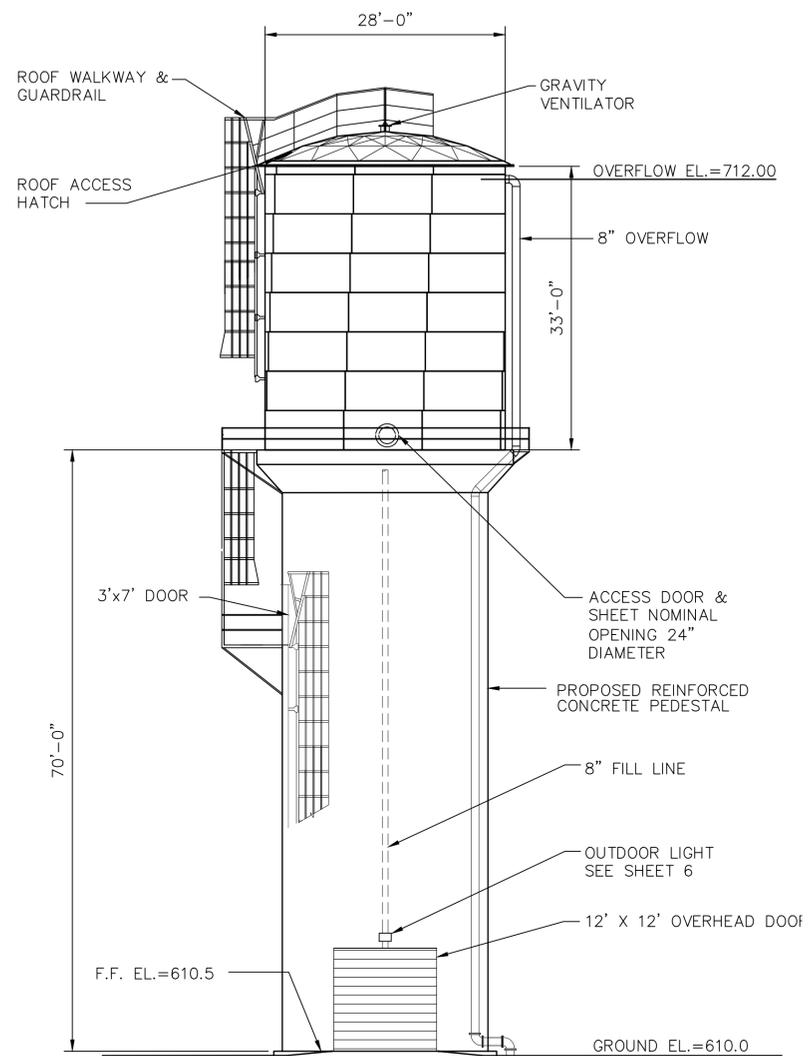
**WATER TANK SITE PLAN**

VIEW ENGINEERING  
PROJECT NO. 56002570  
DRAWING NO. C-2.dwg  
Sheet: 2 OF 8



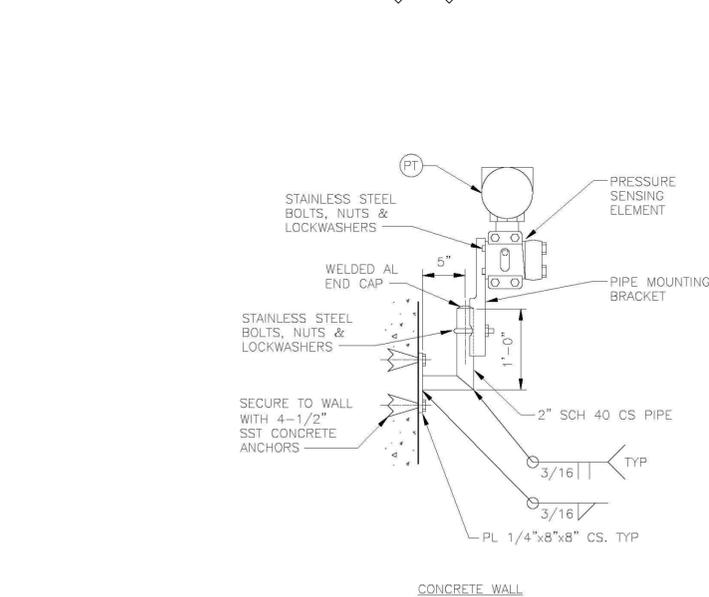
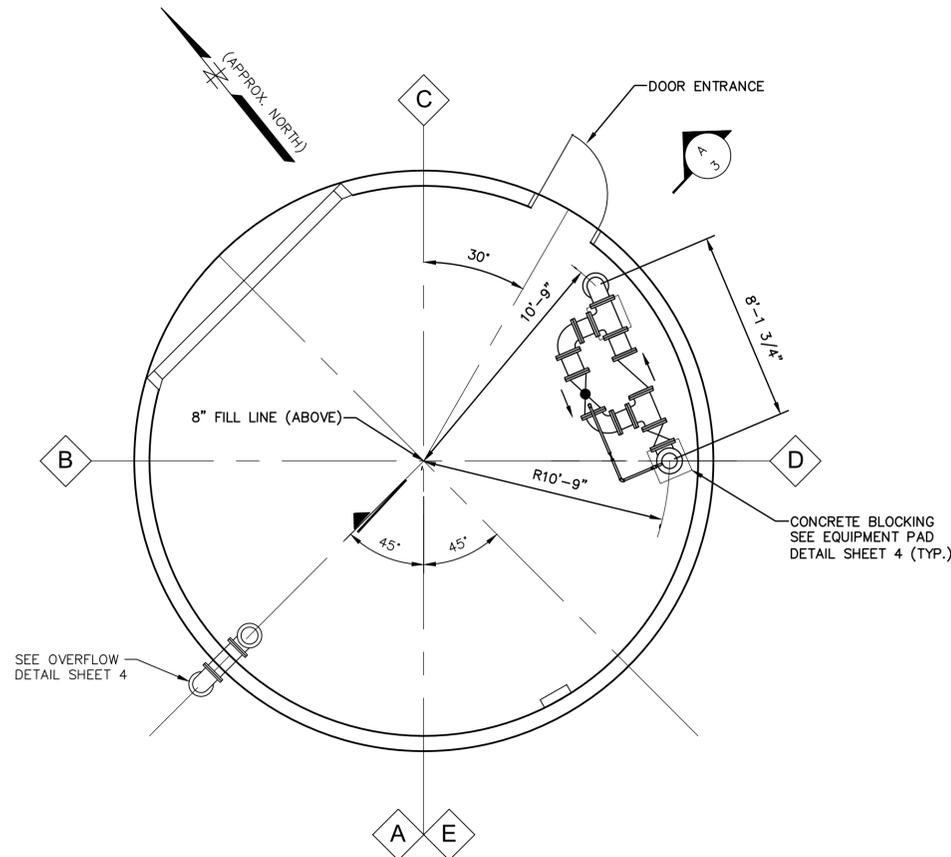
OVERFLOW VAULT DETAIL  
SCALE: NTS

DATE: 02/01/12 TIME: 04:34 pm FILENAME: N:\CLARKE COUNTY SANITARY AUTHORITY\09-7702-GB-011 Water Tank\5 Design\5.7 Drawings\BOYCE TANK AS-BUILT\C-3.dwg



**WATER TANK ELEVATION**  
SCALE: 3/32"=1'-0"

NOTE: ACCESSORIES SHOWN ON ELEVATION VIEW ARE ROTATED FOR CLARITY REFER TO MECHANICAL PLAN AND SHEET 2 FOR ACTUAL LOCATIONS.

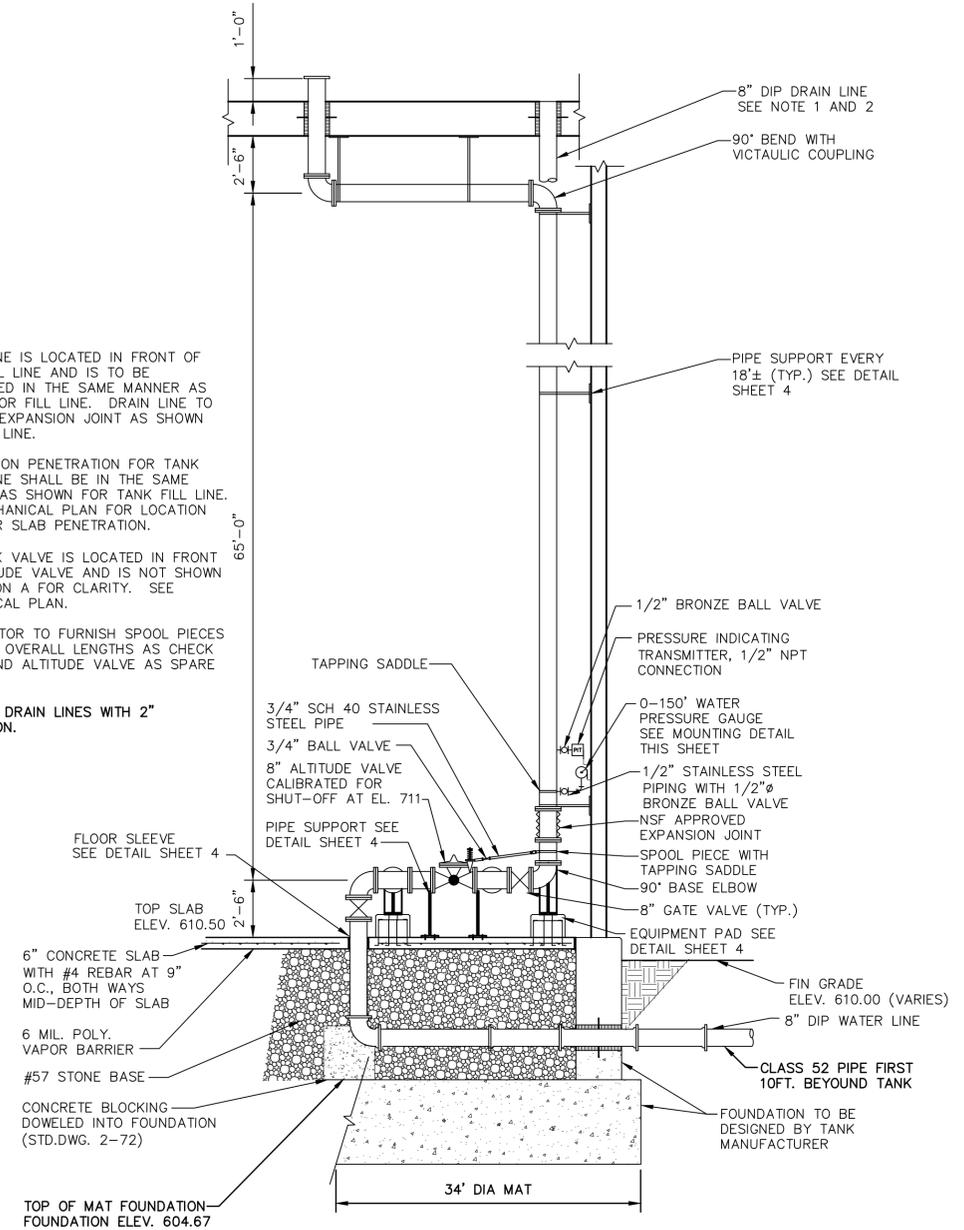


NOTES:  
1. PAINT ALUMINUM IN CONTACT WITH CONCRETE ACCORDING TO SPECIFICATIONS FOR PAINTING.  
2. ALL MOUNTING BRACKETS ARE TO BE INSTALLED APPROXIMATELY 4'-0" ABOVE FLOOR OR AS REQUIRED BY PROCESS CONNECTION.

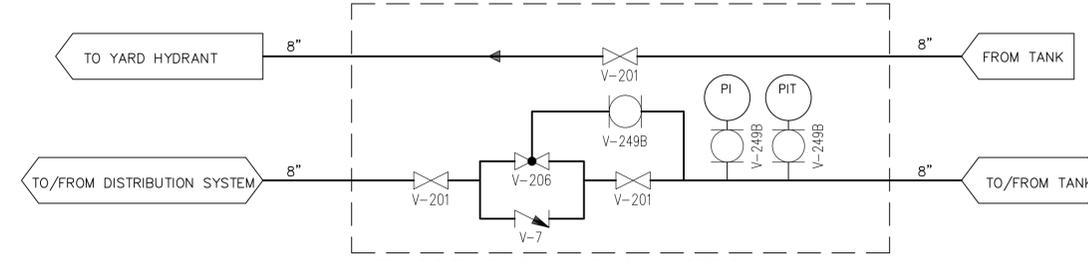
**PRESSURE GAUGE AND PRESSURE TRANSMITTER MOUNTING DETAIL**  
NOT TO SCALE

NOTES:

- DRAIN LINE IS LOCATED IN FRONT OF TANK FILL LINE AND IS TO BE SUPPORTED IN THE SAME MANNER AS SHOWN FOR FILL LINE. DRAIN LINE TO INCLUDE EXPANSION JOINT AS SHOWN FOR FILL LINE.
- FOUNDATION PENETRATION FOR TANK DRAIN LINE SHALL BE IN THE SAME MANNER AS SHOWN FOR TANK FILL LINE. SEE MECHANICAL PLAN FOR LOCATION OF FLOOR SLAB PENETRATION.
- 8" CHECK VALVE IS LOCATED IN FRONT OF ALTITUDE VALVE AND IS NOT SHOWN IN SECTION A FOR CLARITY. SEE MECHANICAL PLAN.
- CONTRACTOR TO FURNISH SPOOL PIECES OF SAME OVERALL LENGTHS AS CHECK VALVE AND ALTITUDE VALVE AS SPARE PARTS.
- FILL AND DRAIN LINES WITH 2" INSULATION.



**SECTION A**  
SCALE: 1/4"=1'-0"



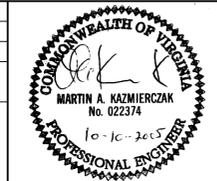
NOTE: HEAT TRACE AND INSULATE PIPING IN PEDESTAL.  
**PROCESS & INSTRUMENTATION DIAGRAM**  
NOT TO SCALE

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0 1"  
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DRW BY: JDW  
CHK BY: SCY  
APP BY: MAK  
DATE: 3/05  
HORIZ. SCALE: AS SHOWN  
VERT. SCALE: N/A



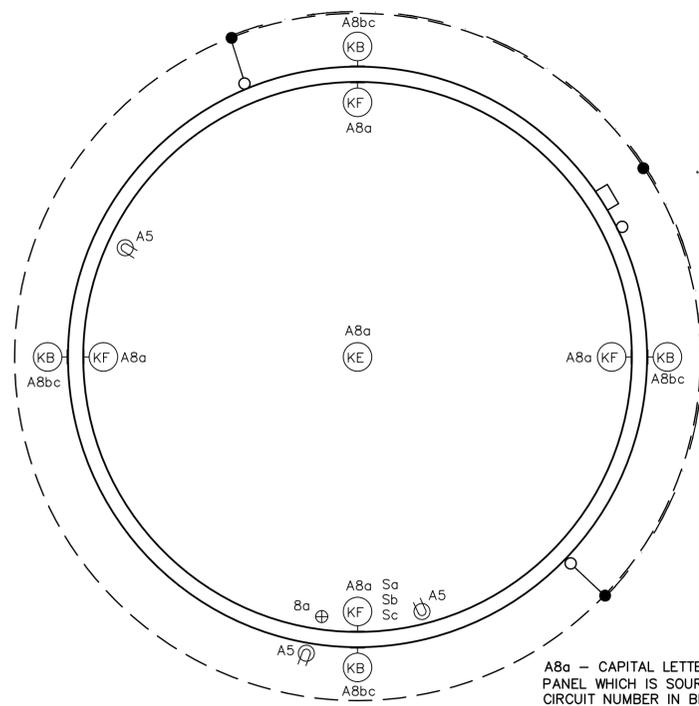
No.	Date	Revision	Description	Rev. By
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2	11/13/06		RECORD DRAWINGS	AEC

BOYCE  
WATER STORAGE TANK  
CLARKE COUNTY SANITARY AUTHORITY  
CLARKE COUNTY, VIRGINIA

VIEW ENGINEERING  
PROJECT NO. 56002570  
DRAWING NO. C-3.dwg  
Sheet: 3 OF 8  
Rev. 1

WATER TANK PLAN AND ELEVATION

DATE: 02/01/12 TIME: 04:32 pm FILENAME: N:\CLARKE COUNTY SANITARY AUTHORITY\09-7702-GB-011 Water Tank\5 Design\5.7 Drawings\BOYCE TANK AS-BUILT\E-1.dwg



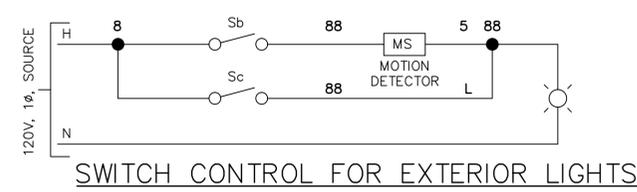
**LIGHT PLAN**  
SCALE: 1/4"=1'-0"

A8a - CAPITAL LETTER (A) INDICATES BRANCH CIRCUIT PANEL WHICH IS SOURCE OF POWER. (B) INDICATES CIRCUIT NUMBER IN BRANCH CIRCUIT PANEL. LOWER CASE (a) IDENTIFIES CONTROL SWITCH

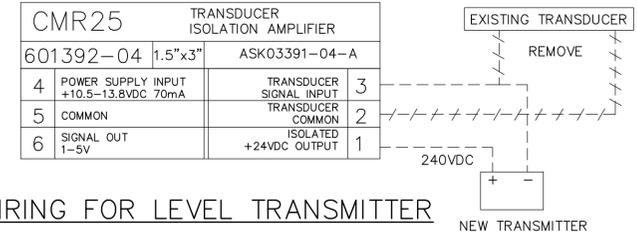
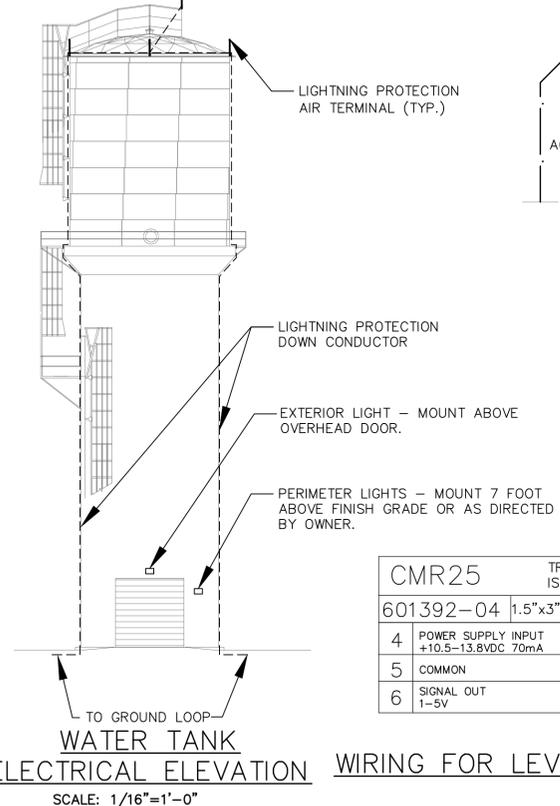
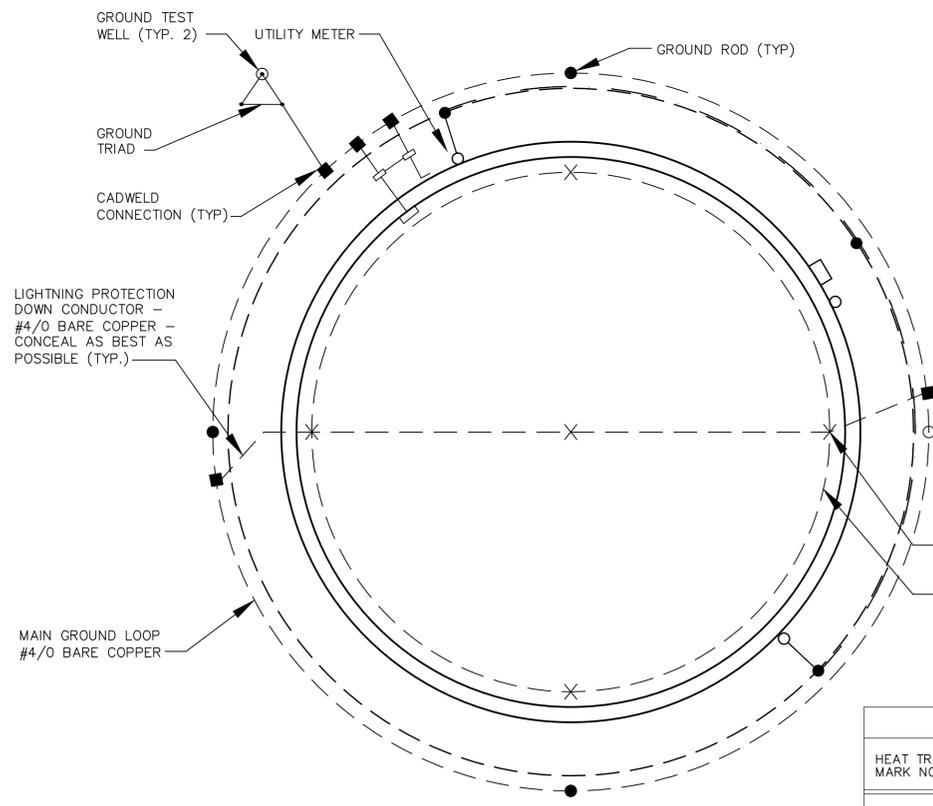
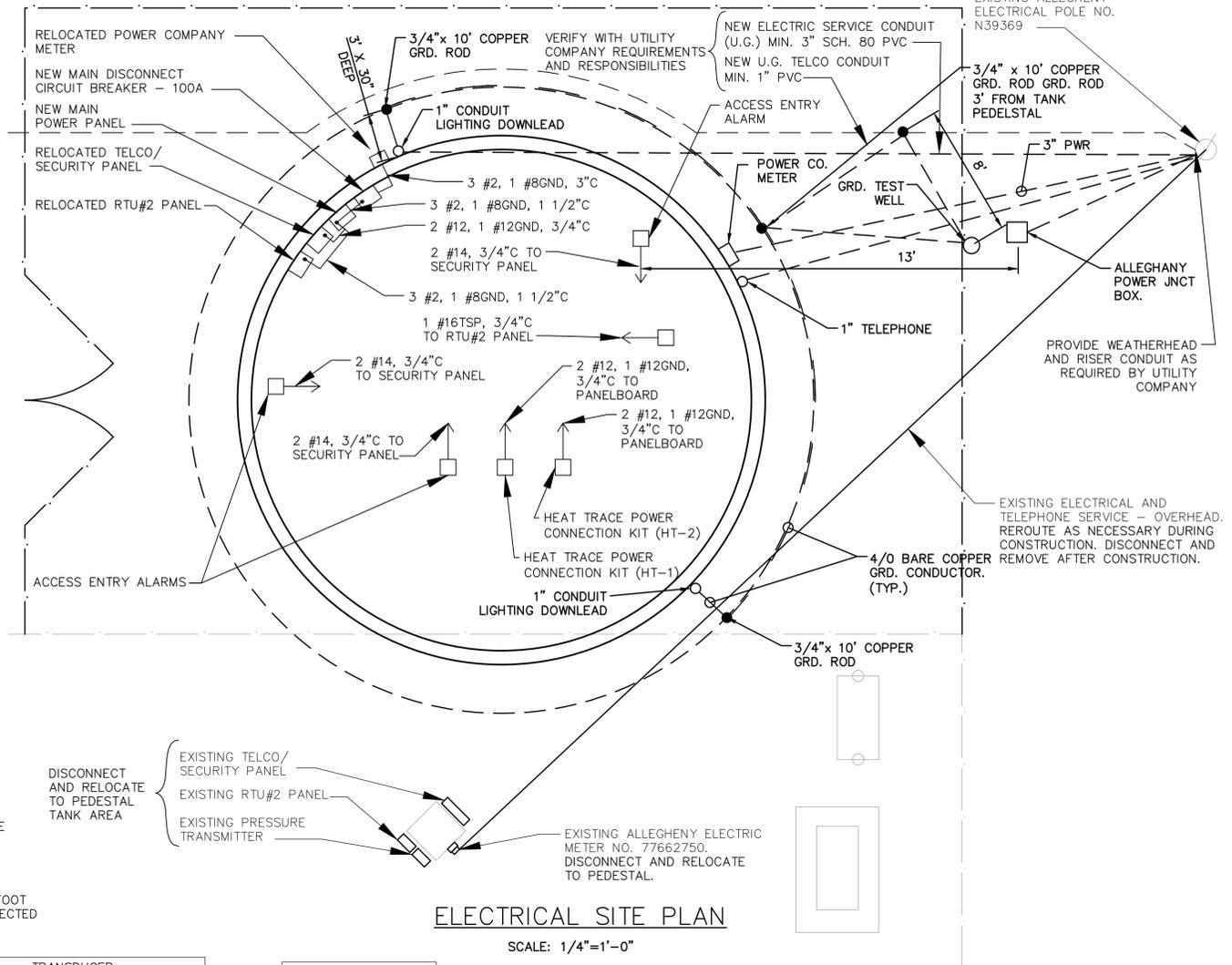
⊙ WALL MOUNTED 20A-120 VOLT DUPLEX RECEPTACLE

⊕ EXIT SIGN

TYPE "K" LIGHTING SCHEDULE			
TYPE/SYMBOL	DETAIL	DESCRIPTION	
KB	⊙	Type Light Fixture	
KF	⊙	Type Light Fixture	
KE	⊙	Type Light Fixture	
A5	⊙	Type Light Fixture	
A8a	⊙	Type Light Fixture	
A8b	⊙	Type Light Fixture	
A8c	⊙	Type Light Fixture	



NEW U.G. OR O.H. ELECTRIC AND TELCO SERVICE TO LOT 19. CONTRACTOR SHALL COORDINATE WITH ALLEGHENY POWER AND VERIZON.

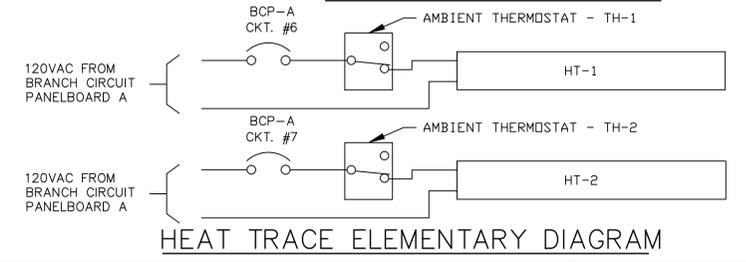


HEAT TRACE BILL OF MATERIAL	
ITEM	QUANTITY
THERMON CONSTANT WATT HEATING CABLE-SW/FT., 120V	320'
POWER CONNECTION BOXES	2
END SEALS	2
GLASS TAPE	16 ROLLS
WARNING LABELS	18
THERMOSTAT, AMBIENT TYPE	2
PIPE STRAP FOR 3" TO 10" PIPE	4

HEAT TRACE SCHEDULE											
HEAT TRACE MARK NO.	DESCRIPTION	PIPE SIZE/TYPE	INSUL SIZE/TYPE	VOLTS	HEAT TRACE WATTS/FT.	PASSES PER FOOT	HEAT TRACE LENGTH	TOTAL WATTS	T-STAT MARK NO.	BCP-A CKT. NO.	REMARKS
HT-1	8"-DI PIPING	8" DI	3" FG	120	5	1	160'	800	TH-1	CKT #6	
HT-2	8"-DI PIPING	8" DI	3" FG	120	5	1	160'	800	TH-2	CKT #7	

BCP-A PANELBOARD SCHEDULE											
WATTS		120/240 VOLT/1 PHASE/3 WIRE/MAIN LUGS/MAIN BUS 100A								WATTS	
PH	PH	DESCRIPTION	POLE	CKT NO	POLE	CKT NO	DESCRIPTION	PH	PH		
0A	0B							0A	0B		
x	x		1	1	2	1	x	x			
	100	RTU-#2	1	3	4	1	SECURITY PANEL				100
	540	RECEPTACLES	1	5	6	1	HEAT TRACING (HT-1)				800
		800 HEAT TRACING (HT-2)	1	7	8	1	LIGHTING - WATER TANK				800
x	x		1	9	10	1	x	x			
x	x		1	11	12	1	x	x			
540	900	SUB TOTAL								SUB TOTAL	800 900
1340	1800	TOTAL									

**BRANCH CIRCUIT PANEL**

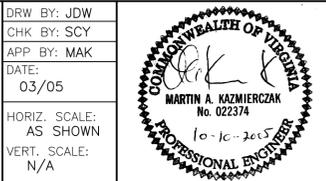


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APP BY: MAK  
DATE: 03/05  
HORIZ. SCALE: AS SHOWN  
VERT. SCALE: N/A

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BOYCE WATER STORAGE TANK  
CLARKE COUNTY SANITARY AUTHORITY  
CLARKE COUNTY, VIRGINIA

VIEW ENGINEERING

PROJECT NO. 56002570  
DRAWING NO. E-1.dwg

ELECTRICAL SITE PLAN AND DETAILS

Sheet: 6 OF 8