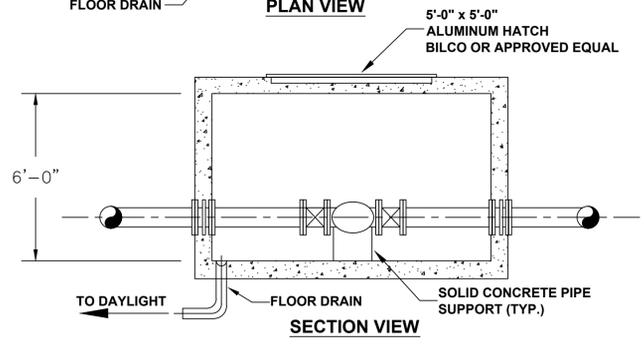
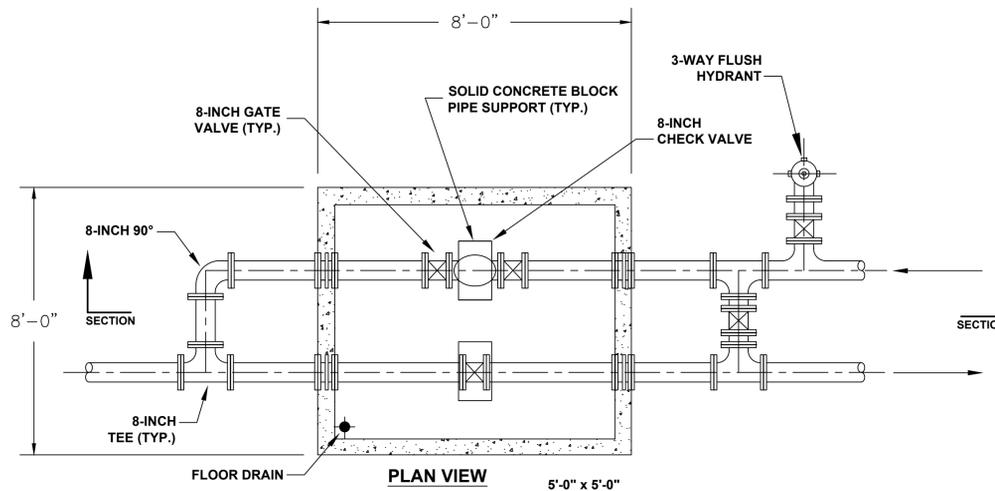


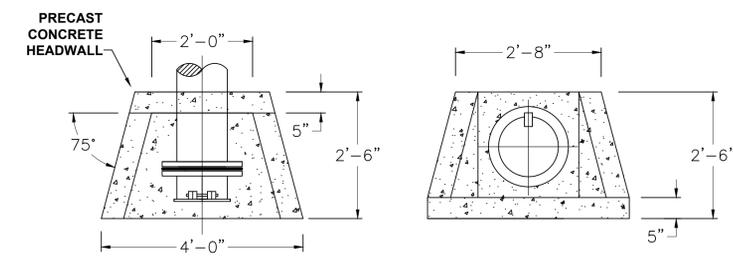
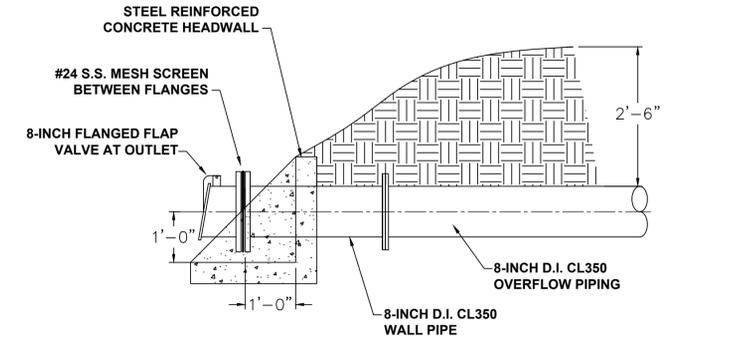


SITE PLAN
SCALE: 1"=30'



VALVE VAULT
N.T.S.

NOTE:
1. ALL PIPING AND FITTINGS IN VALVE VAULT SHALL BE CLASS 350 DUCTILE IRON.
2. ALUMINUM HATCH SHALL BE 5' x 5' AND CENTERED OVER VALVES. NOT SHOWN FOR CLARITY.



OVERFLOW OUTLET HEADWALL DETAIL
N.T.S.

GENERAL NOTES:

1. THE INLET/OUTLET PIPE SERVING THE TANK SHALL BE 8-INCH DUCTILE IRON, PRESSURE CLASS 350.
2. THE 8-INCH INLET SHALL EXTEND TO THE TOP OF THE TANK (ELEVATION 1170.00'). THE TANK EFFLUENT SHALL BE AT THE BASE OF THE TANK (ELEVATION 1050.00').
3. OVERFLOW PIPE SHALL EXTEND A MINIMUM OF TEN FEET FROM THE TANK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOUNDATION DESIGN.
5. TANK APPURTENANCES TO BE FIELD LOCATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
6. TANK CONTRACTOR SHALL GRADE SITE TO ENSURE RUNOFF IS AWAY FROM FOUNDATION.
7. TANK CONTRACTOR SHALL FINISH TANK SITE WITH SEED AND STRAW AS DESCRIBED IN ACCOMPANYING SPECIFICATIONS.
8. TANK CONTRACTOR SHALL FINISH ACCESS DRIVE WITH 4-INCH BASE OF 57 STONE AND A 4-INCH TOP SURFACE OF COMPACTED DGA.
9. OVERFLOW PIPE SHALL HAVE A 24 - MESH SCREEN.
10. ROOF VENT SHALL HAVE A 24 - MESH SCREEN.

Monarch Engineering, Inc.
556 CARLTON DRIVE
LAWRENCEBURG, KY 40342

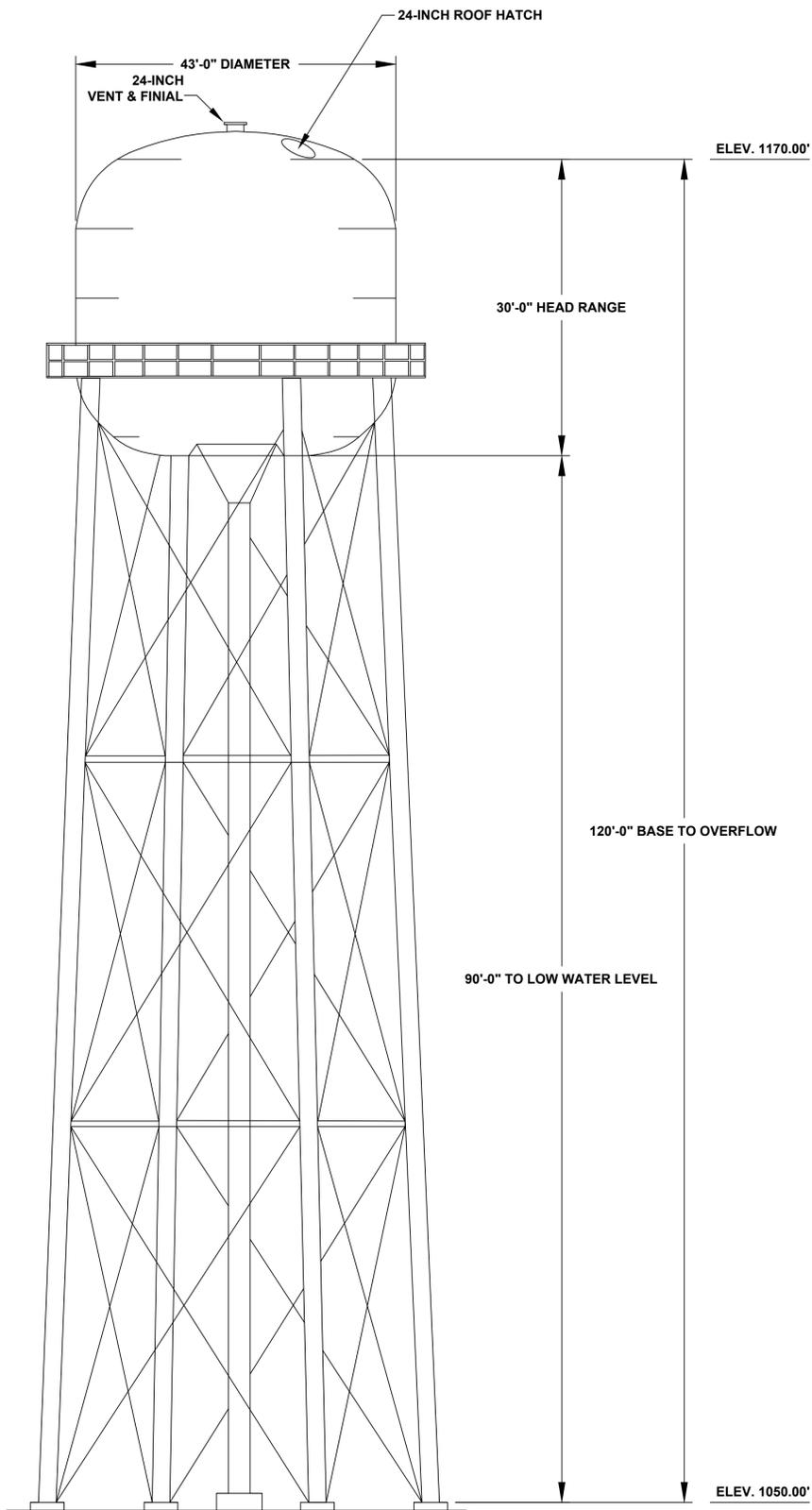
DESCRIPTION:
300,000 GALLON WATER STORAGE TANK

CUSTOMER:
**COLUMBIA/ADAIR UTILITIES DISTRICT
ADAIR COUNTY, KENTUCKY**

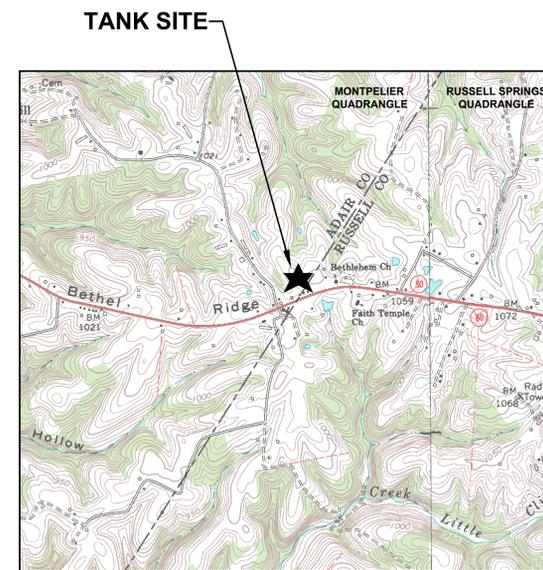
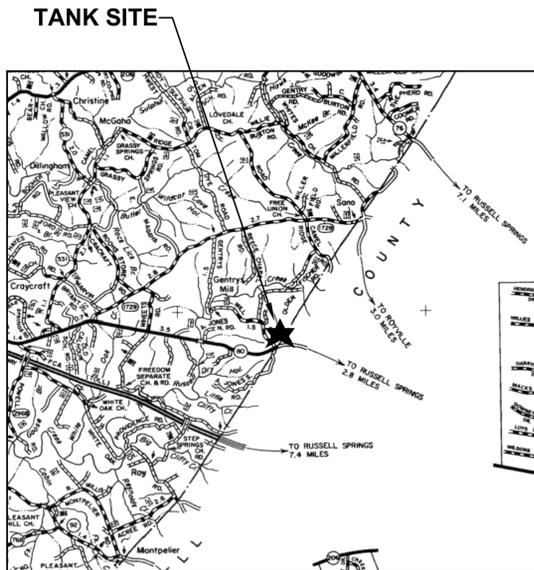
PROJECT NO. 1050
DATE: AUG. 2012
DRAWN BY: JRC
CHECKED BY: DSB
CHECKED BY: DSB
SCALE: AS NOTED

SHEET:
1





300,000 GALLON ELEVATED TANK
N.T.S.



TANK NOTES:

1. THE TANK FOUNDATION SHALL BE DESIGNED IN ACCORDANCE WITH AWWA STANDARD FOR WELDED STEEL TANKS FOR WATER STORAGE; (ANSI/AWWA D100-84), (AWS D5.2-84). THE TANK FOUNDATION SHALL BE DESIGNED FOR A 100 MILE PER HOUR WIND AND A ZONE 1 EARTHQUAKE.
2. PLATE MATERIAL FOR TANK SHELL, TANK BOTTOM AND TANK ROOF SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
4. REINFORCING STEEL SHALL BE ASTM A615, A616 OR A617, GRADE 60.
5. REINFORCING STEEL FOR CONCRETE CAST AGAINST EARTH SHALL HAVE A MINIMUM COVER OF 3 INCHES. ALL OTHER REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2 INCHES.
6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD FOR WELDED STEEL TANKS FOR WATER STORAGE (ANSI-AWWA D100-84).
7. ANCHOR BOLTS SHALL BE THREADED RODS CONFORMING TO THE REQUIREMENTS OF ASTM A36.

GENERAL NOTES:

1. THE INLET/OUTLET PIPE SERVING THE TANK SHALL BE 8-INCH DUCTILE IRON, PRESSURE CLASS 350.
2. THE 8-INCH INLET SHALL EXTEND TO THE TOP OF THE TANK (ELEVATION 1170.00'). THE TANK EFFLUENT SHALL BE AT THE BASE OF THE TANK (ELEVATION 1050.00').
3. OVERFLOW PIPE SHALL EXTEND A MINIMUM OF TEN FEET FROM THE TANK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOUNDATION DESIGN.
5. TANK APPURTENANCES TO BE FIELD LOCATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
6. TANK CONTRACTOR SHALL GRADE SITE TO ENSURE RUNOFF IS AWAY FROM FOUNDATION.
7. TANK CONTRACTOR SHALL FINISH TANK SITE WITH SEED AND STRAW AS DESCRIBED IN ACCOMPANYING SPECIFICATIONS.
8. TANK CONTRACTOR SHALL FINISH ACCESS DRIVE WITH 4-INCH BASE OF 57 STONE AND A 4-INCH TOP SURFACE OF COMPACTED DGA.
9. OVERFLOW PIPE SHALL HAVE A 24 - MESH SCREEN.
10. ROOF VENT SHALL HAVE A 24 - MESH SCREEN.

DESCRIPTION:
EAST 80
300,000 GALLON WATER STORAGE TANK

CUSTOMER:
COLUMBIA/ADAIR UTILITIES DISTRICT
ADAIR COUNTY, KENTUCKY

PROJECT NO. 1050
DATE: AUG. 2012
DRAWN BY: JRC
CHECKED BY: DSB
CHECKED BY: DSB
SCALE: AS NOTED

SHEET:
2



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