

2-9

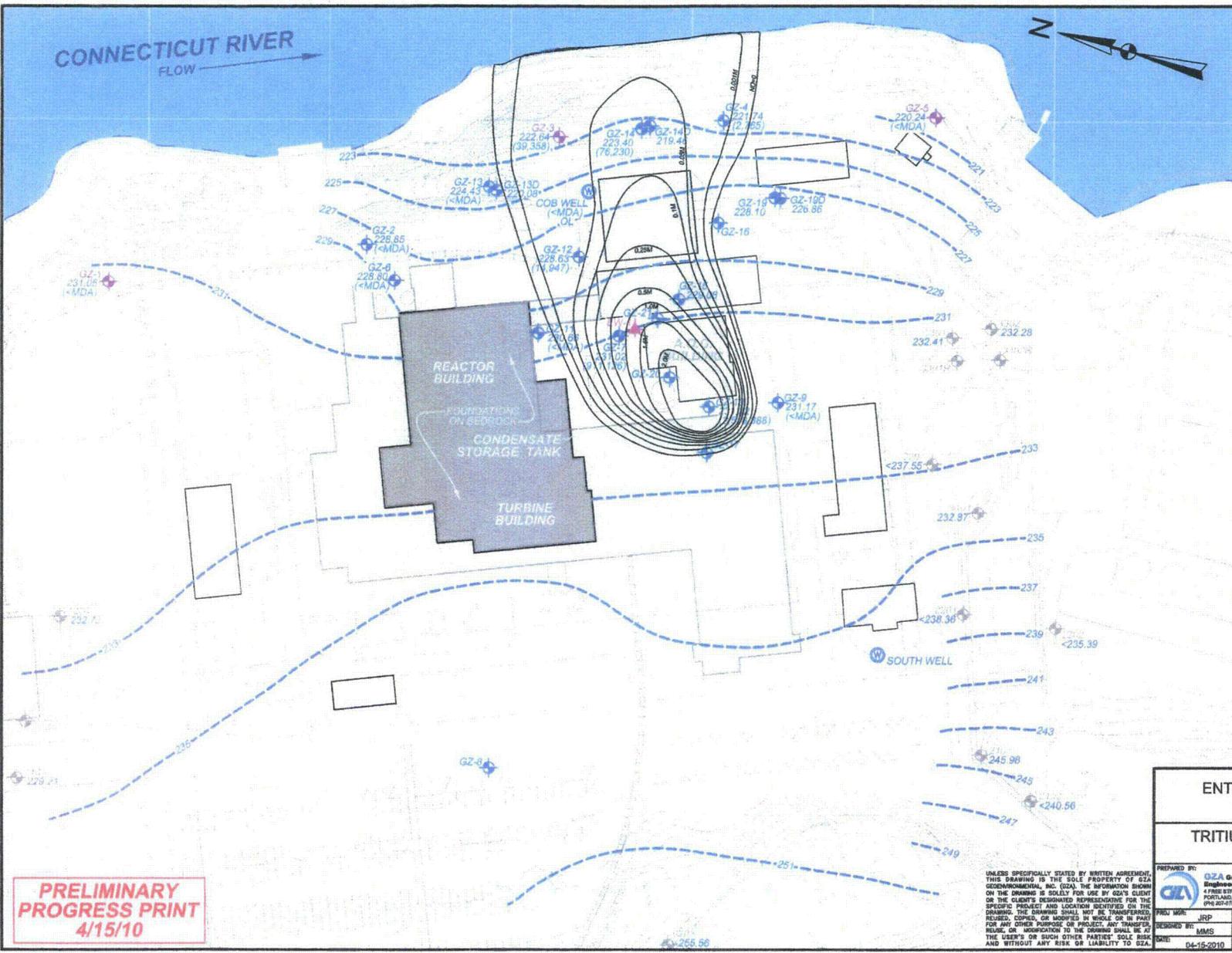
CONNECTICUT RIVER
FLOW



LEGEND

- COB WELL (W)
- OL (W)
- VERMONT YANKEE BEDROCK DRINKING WATER WELL OFF-LINE
- GZ-10 (1,696,000)
- MONITORING WELL INSTALLED JANUARY-MARCH 2010
- JANUARY-MARCH 2010 GROUNDWATER ELEVATION IN FEET (FEBRUARY 26, 2010)
- TRITIUM ACTIVITY (pCi/L) (FEBRUARY 8, 2010)
- GZ-1
- GPI MONITORING WELL INSTALLED NOVEMBER 2007
- OTHER VERMONT YANKEE MONITORING WELL
- INFERRED GROUNDWATER CONTOUR IN FEET (FEBRUARY 26, 2010)
- INFERRED GROUNDWATER FLOW DIRECTION

- NOTES:**
- GROUNDWATER CONTOURS AND FLOW DIRECTIONS INFERRED FROM GROUNDWATER ELEVATION MEASUREMENTS COLLECTED FROM WIDELY SPACED MONITORING WELLS ON FEBRUARY 26, 2010. ACTUAL CONDITIONS MAY VARY.
 - TRITIUM ACTIVITY BASED ON GROUNDWATER SAMPLES COLLECTED BY OTHERS AND ANALYZED BY VERMONT YANKEE BETWEEN FEBRUARY 8, 2010.
 - FLUCTUATIONS IN LOCAL GROUNDWATER ELEVATIONS MAY OCCUR OVER TIME DUE TO RAINFALL, SEASONAL CHANGES IN THE RATE OF EVAPOTRANSPIRATION, RELEASE RATES FROM THE LOCAL DAM, AND OTHER VARIOUS FACTORS.
 - THE LOCATIONS AND REFERENCE ELEVATIONS OF MONITORING WELLS AND DRINKING WATER WELLS WERE SURVEYED BY SOUTHERN VERMONT ENGINEERING OF BRATTLEBORO VERMONT (EXCEPT GZ-20 AND GZ-21, WHICH WERE ESTIMATED PENDING FORMAL SURVEY).
 - BASE PLAN, INCLUDING SITE TOPOGRAPHY, PROVIDED TO GZA IN ELECTRONIC FORMAT BY VERMONT YANKEE.



**PRELIMINARY
PROGRESS PRINT
4/15/10**

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ENTERGY VERMONT YANKEE VERNON, VERMONT			
TRITIUM CONCENTRATION PLAN			
PREPARED BY: GZA Geotechnical, Inc. Engineers and Scientists 4 FREE STREET PORTLAND, MAINE 04101 (949) 207-4749		PREPARED FOR: ENTERGY VERMONT YANKEE VERNON, VERMONT	
PROJ. MGR.: JRP DESIGNED BY: MMS DATE: 04-15-2010	TRACERED BY: JRP DRAWN BY: GAS/EM/DJAD PROJECT NO.: 09-0028576.11	CHECKED BY: JRP SCALE: 1" = 100' REVISION NO.:	FIGURE 3

G:\0101 - GZA - Enviro\enviro\09 - 0028576.11 - V. Tritium Response\CAD\09 - 0028576.11 - Broomsp_v4.dwg [Exec plot_17x11] April 15, 2010 - 2:48pm Michael.Donoh