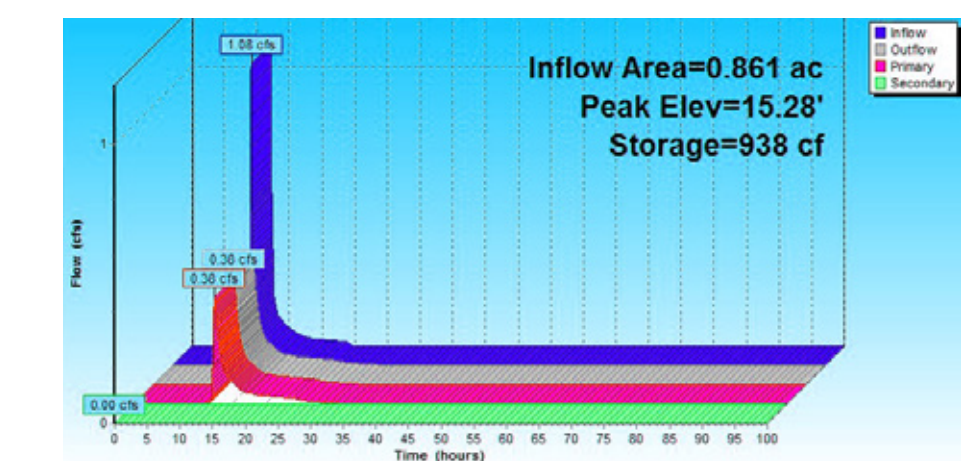
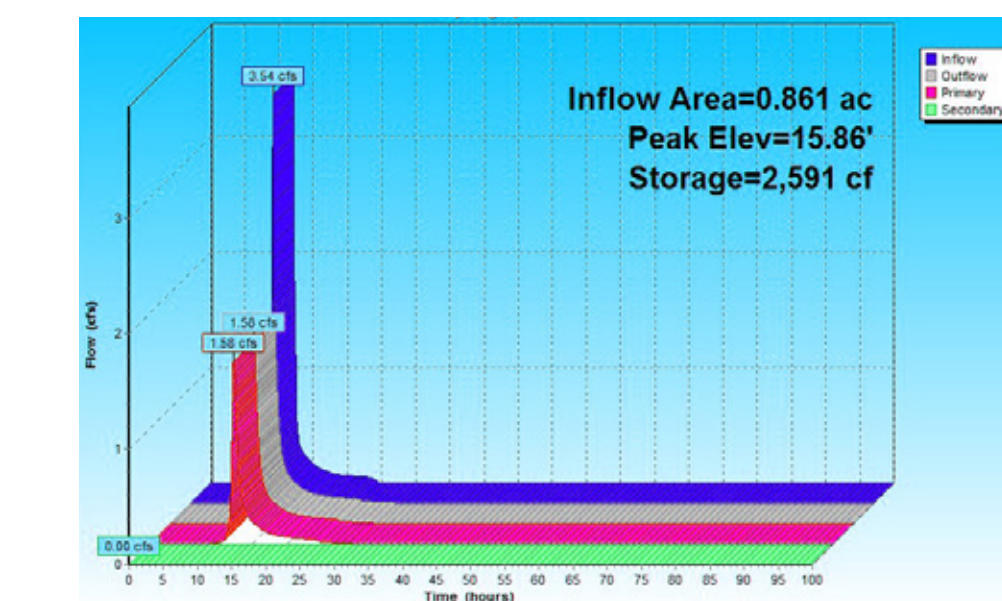
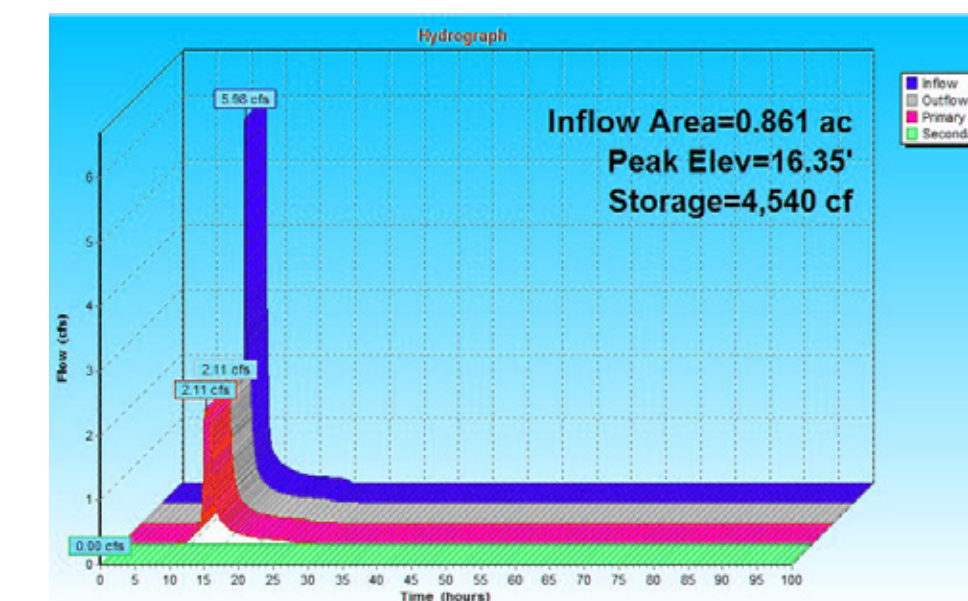
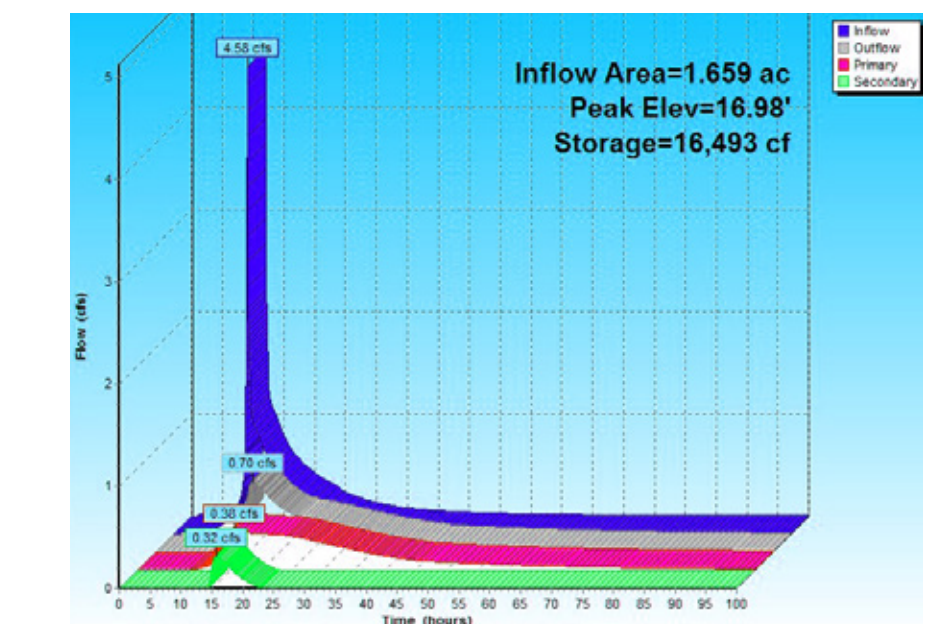
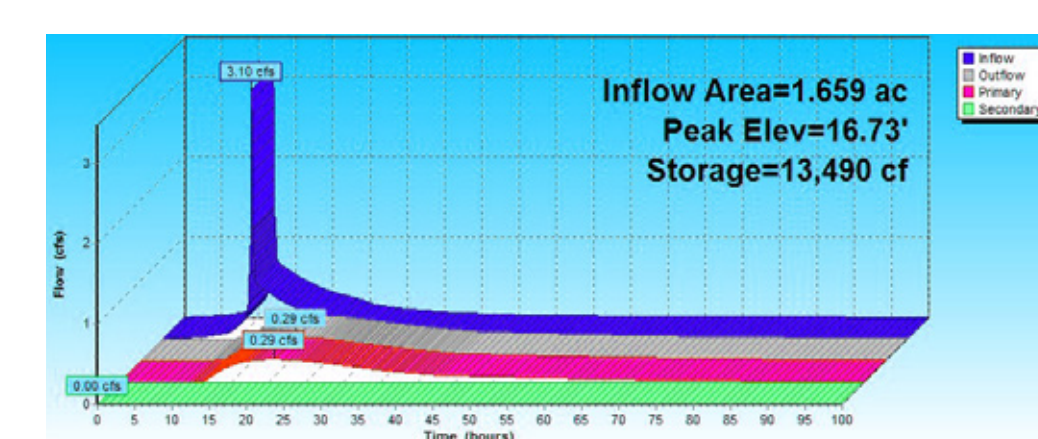
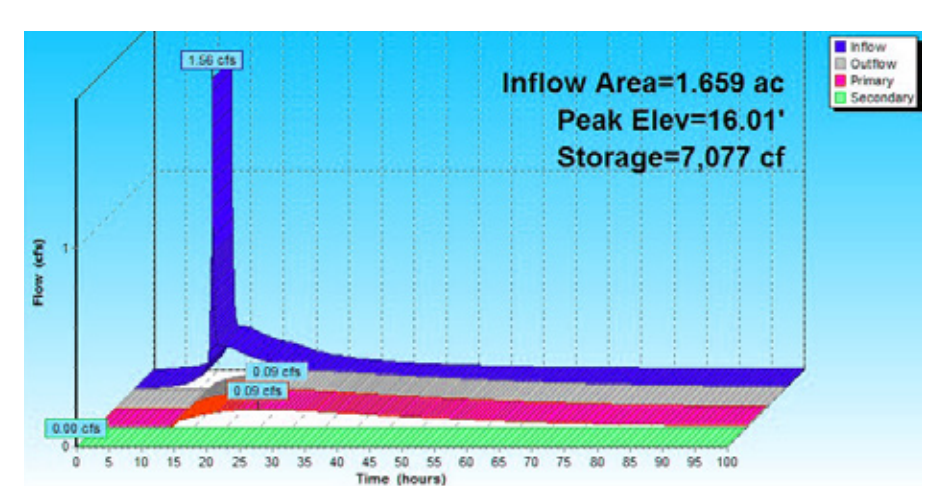


**HYDROGRAPHS** SHOWING EFFICIENCY IN 2, 25, & 100 YEAR STORMS. BIORETENTION PONDS AND CELLS ALLOW THE DESIGN TO ACHIEVE **72% RUNOFF REDUCTION** IN A 1 YR STORM AND A **60% PEAK FLOW REDUCTION** IN A 100 YR STORM

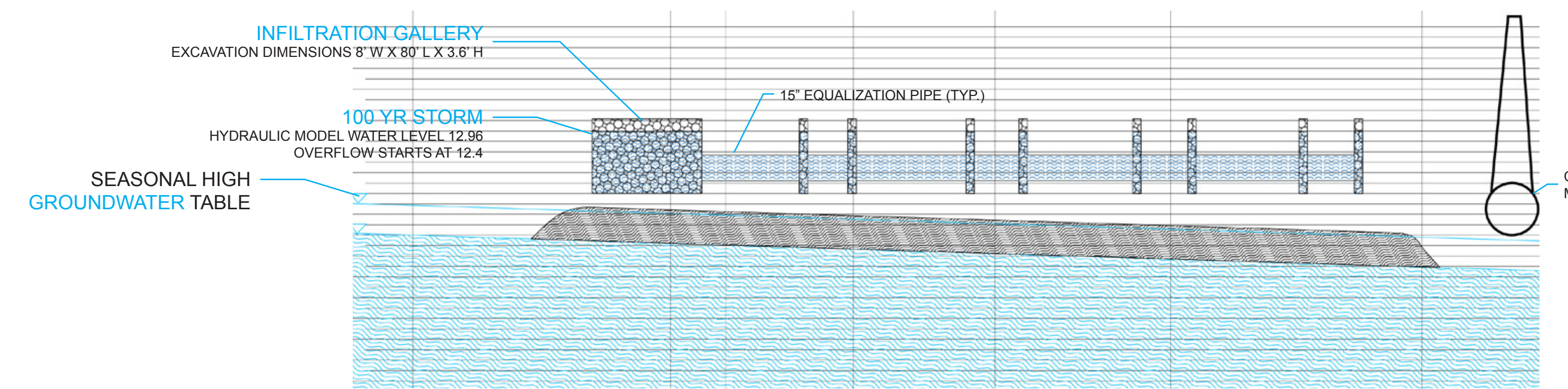
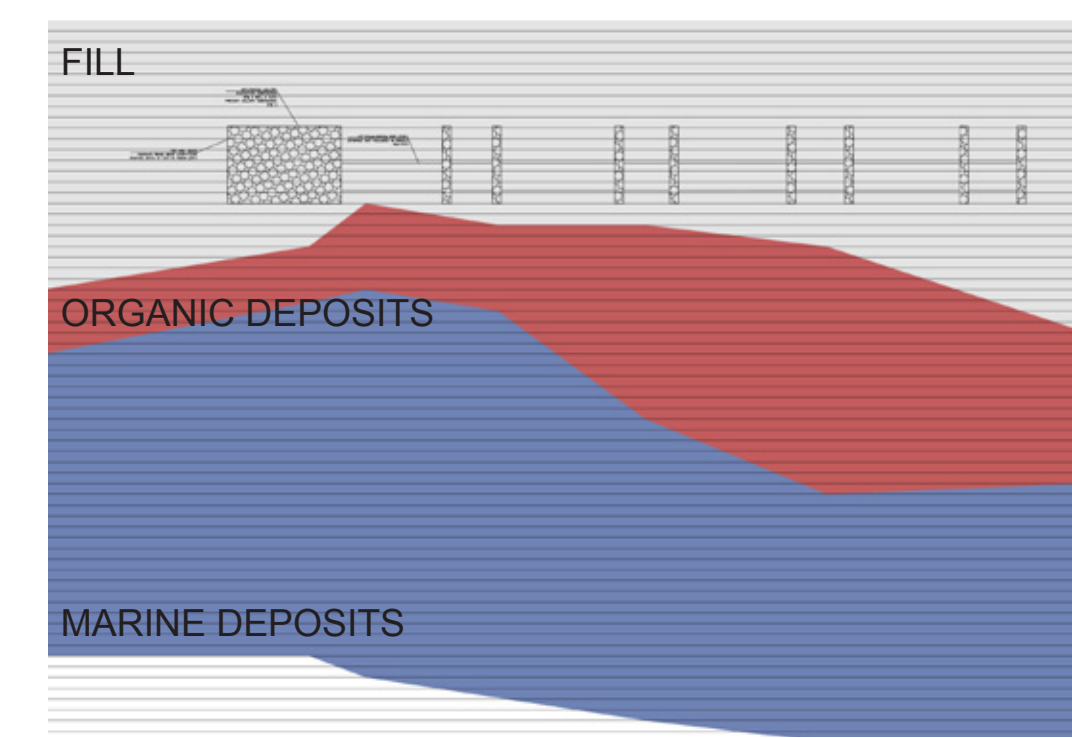
BIORETENTION POND 1



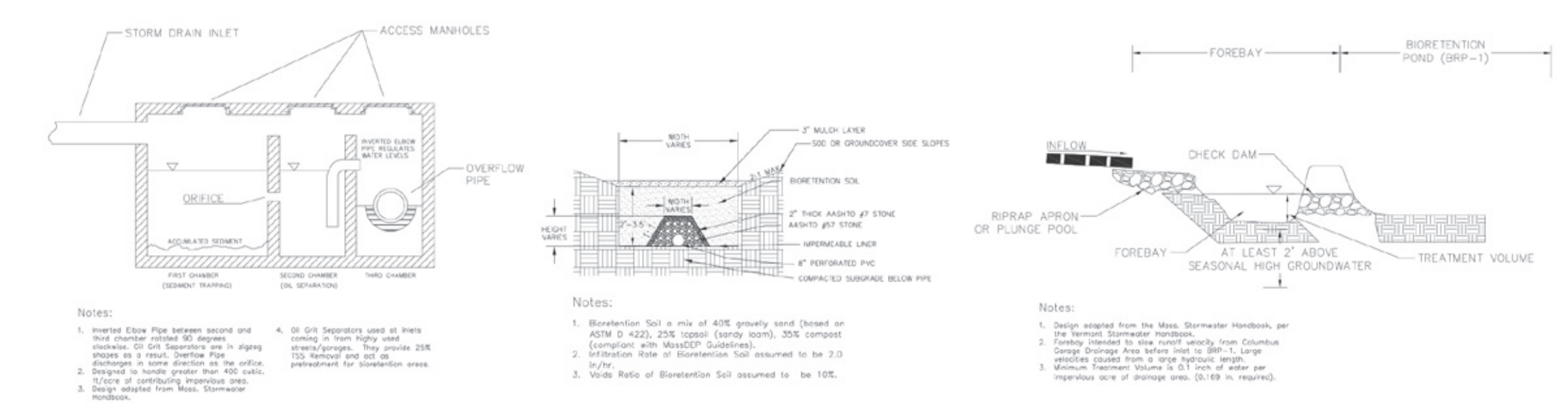
BIORETENTION CELL 5

BRP1 AND BRC5 HANDLE THE 2 YR AND 25 YR STORM COMPLETELY (WITHOUT USING THE EXISTING BWSN NETWORK) AND REDUCE PEAK RUNOFF FLOW SIGNIFICANTLY FOR THE 100 YR STORM. MAGENTA REPRESENTS THE QUANTITY OF WATER INFILTRATED ON SITE.

## SOIL AND HYDROGEOLOGIC PROFILES



## SUBSURFACE INFRASTRUCTURE



OIL GRIT SEPARATOR BIORETENTION CELL SEDIMENT FOREBAY