G 1377 acres Bass Creek 0.5 Rock River Kilometers Miles **LEGEND** Stream/River Proposed Site Boundary HUC12 Sub-Watershed Boundary HUC 12 Watershed Boundary Source: USCB, 2010a Bing Maps, 2012

Figure 19.3.4-1 - Project Area Watershed - Tributary to Rock River

30" Culvert 24" Culvert 24" Culvert 200 Meters 1,000 **LEGEND** Concentrated Flow Path Culvert Concentrated Flow Path Boundary **Elevation Line** Proposed Site Boundary HUC 12 Watershed Boundary Source: USCB, 2010a Bing Maps, 2012

Figure 19.3.4-2 – Project Area Local Drainage

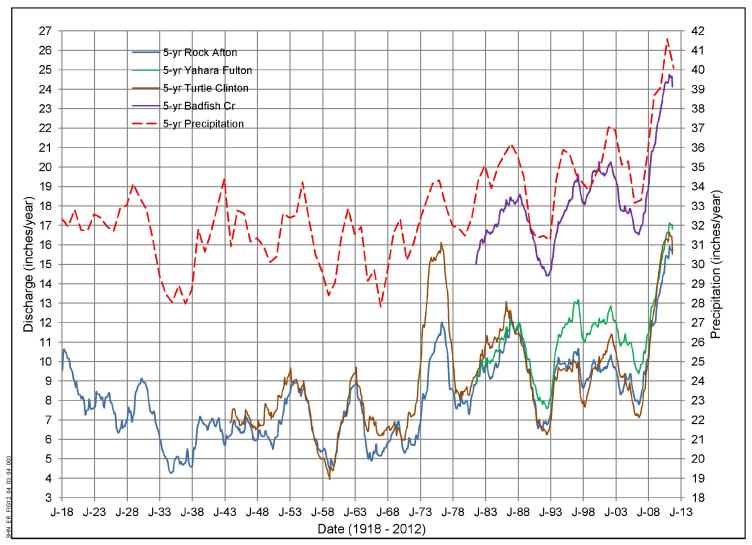


Figure 19.3.4-3 – Long-Term Annual Streamflows and Precipitation in Rock County

Notes: "Rock Afton" = Rock River at Afton; "Yahara Fulton" = Yahara River at Fulton; "Turtle Clinton" = Turtle Creek at Clinton Runoff rates presented as 12-month depths based on the running average over the previous 60 months (5 years) for these streams along with precipitation similarly expressed as 12-month depths from the 60-month (5-year) running average Sources: USGS, 2012b (streamflow data); Wisconsin State Climatology Office, 2006 (precipitation data)

SM-GW-1 (A/B) SM-GW-3 SM-GW-4 (A/B) (A/B) SM-GW-2 (A/B) SM-SW-1 0.5 Kilometers 0.5 **LEGEND** Groundwater Monitoring Well and Groundwater Sample Location Surface Water Only **Proposed Site Boundary** 

Figure 19.3.4-4 – Project Water Monitoring Locations

SM-GW-1 (A/B) 765.5 Groundwater Flow **Direction** SM-GW-3 (A/B) (A/B) 765 764.5 SM-GW-2 (A/B) **LEGEND** 200 Meters Groundwater Monitoring Well and Groundwater Sample Location 500 **Proposed Site Boundary** Feet GW Contours - October, 2011 mage from Microsoft Image Server

Figure 19.3.4-5 - Groundwater Elevation Isopleth, Fourth Quarter, 2011

SM-GW-1 (A/B) **Groundwater** 765 Flow SM-GW-3 **Direction** SM-GW-4 (A/B) (A/B) 76A.5 SM-GW-2 (A/B) **LEGEND** 200 Meters Groundwater Monitoring Well and Groundwater Sample Location 500 Proposed Site Boundary GW Contours - January, 2012 ₹ Image from Microsoft Image Server

Figure 19.3.4-6 – Groundwater Elevation Isopleth, First Quarter, 2012

SM-GW-1 (A/B) SM-GW-3 SM-GW-4 764.5 **Groundwater** (A/B) (A/B) Flow **Direction** SM-GW-2 (A/B) **LEGEND** 200 Meters Groundwater Monitoring Well and Groundwater Sample Location 500 Proposed Site Boundary Feet GW Contours - April, 2012 Emage from Microsoft Image Server

Figure 19.3.4-7 - Groundwater Elevation Isopleth, Second Quarter, 2012

SM-GW-1 (A/B) 763.5 Groundwater Flow **Direction** SM-GW-3 SM-GW-4 (A/B) (A/B) 763 SM-GW-2 (A/B) **LEGEND** 200 Meters Groundwater Monitoring Well and Groundwater Sample Location 500 Proposed Site Boundary Feet GW Contours - July, 2012 mage from Microsoft Image Server

Figure 19.3.4-8 – Groundwater Elevation Isopleth, Third Quarter, 2012