

## RELATED EXPERIENCE

### OAKLAND UNIVERSITY MEADOW BROOK ROAD CULVERT REPAIR

Johnson & Anderson, as a preferred vendor registered with Oakland University, responded to the University to investigate a failed 10 foot diameter steel multi-plate pipe that crosses beneath Meadow Brook Road. The culvert, installed in 1969,

<b>Location:</b>	Oakland University Oakland County, Michigan
<b>Construction Date:</b>	June 2008
<b>Construction Cost:</b>	\$450,000
<b>Client:</b>	Oakland University Facilities & Operations
<b>Contact:</b>	Mr. Khales Dahr, AIA (248) 370-4437

was beneath 45 feet of embankment and conveys drainage to the Galloway Creek. The failure of the culvert was on the upstream end and settlement of the embankment was visible from the roadway.

J&A expedited an investigation and developed a repair strategy that has returned the culvert to its prior condition. The repair strategy involved closure of the roads, removal of the damaged plates, and

installation of new plates and construction of protection measures on the upstream end of the culvert. J&A staff performed contract administration and site inspection for project.



**Plate Pipe Replacement**



**Embankment Constructed**