

**FILE COPY****Hertel, Darcy L.**

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**From:** Cook, Tim M.  
**Sent:** Friday, May 09, 2008 11:13 AM  
**To:** Hertel, Darcy L.  
**Subject:** FW: Osmond Sports Complex

#V07-01-111

-----Original Message-----

**From:** Michael Shrake [mailto:mshrake@gha-engineers.com]  
**Sent:** Tuesday, May 06, 2008 5:47 AM  
**To:** Cook, Tim M.  
**Cc:** Steve Smouse; Dennis Heimbrodt; Jim Keim; james.dkc@starband.net  
**Subject:** Osmond Sports Complex

Tim,

Attached is our site inspection from last Friday. This occurred at approximately 12:30 pm. As you can see from the photos and the report there was no water leaving the site as the water was below the invert of the upstream twin 30" culverts.

As a little background information we had a site meeting on April 15, 2008 to go over what was left to be completed on the site. The area were too wet to finish grade and Dick Day from DK contractors said that they would complete the site as soon as it had started drying. They worked on site last week preparing it for restoration.

Landscape Concepts said they would come in as soon as the areas were topsoiled. They were on site yesterday and will be again today. They are temporarily reinstalling the plywood bulkhead and are planning to blanket the areas of the slope on the hill off-site as well. The twin 30" will be more permanently closed in the near future. I do not know who removed the plywood or the exact date that it happened.

The areas of the detention basin was seeded and blanketed with Native grass mix per the ordinance. At the meeting on the 15th, it was discussed removing the perforated riser in the main basin because water was not draining out a reasonable rate and the field was under water for too long there by potentially killing the native seed mix that had germinated last year. This was agreed upon as there still was a perforated riser prior to leaving the site.

Our office has come up with a Native planting list of plugs for the areas that have water between 0" and 6" from JF New. These will be installed when all other disturbed areas are vegetated so that they will have the best chance to grow well.

Any questions, please call.

Thanks,

Mike

Michael T. Shrake, P.E.  
Gewalt Hamilton Associates, Inc.

5/9/2008

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**EROSION AND SEDIMENT CONTROL REPORT**

**Project:**  
3777.400  
Tim Osmond Sports Complex  
Antioch, Il. 60002

**Client:**  
Antioch Township  
1625 Deep Lake Rd.  
Antioch, Il. 60002

**Construction Manager:**  
Gewalt Hamilton Associates, Inc.  
820 Lakeside Dr., Suite 5  
Gurnee, Il. 60031

**General Contractor:**  
DK Contractors Inc.  
11013 122<sup>nd</sup>, St.  
Pleasant Prairie, WI. 53158

Consulting Engineers  
and Surveyors  
Civil, Municipal, & Traffic  
820 Lakeside Drive, Suite 5  
Gurnee, Illinois 60031  
tel 847 855 1100 fax 847 855 1115  
www.gha-engineers.com

**Project Manager:** Michael T. Shrake, P.E.

**Day & Date:** Friday,  
**Last Visit:** Friday,

May 2, 2008  
April 25, 2008

**Current Weather:** Drizzle 60's

**Reason for Visit:**  Weekly  >0.5" Rainfall

**General Site Information:**

**Enforcement Officer:** James Keim, P.E.  
**WDO Permit #:**  
**NPDES Permit #:**  
**USACE Reference #:**  
**Wetland Impacted:**  Yes  No  N/A  
**Comments:**

**Stage of Construction:** Landscaping  
**Floodplain Impacted:**  Yes  No  N/A  
**Photos Taken:**  Yes  No  N/A  
**Water Sample Taken:**  Yes  No  N/A

**General Erosion Control Observations:**

Are Best Management Practices (BMP's) being used:  Yes  No  N/A  
If No, then what BMP's are recommended:

**General Sediment Control Observations:**

Are Best Management Practices (BMP's) being used:  Yes  No  N/A  
If No, then what BMP's are recommended: *Seal opening of north 30" culvert in basin so water will filter thru perforated riser.*  
Is hydrocarbon technology in place, functional and maintained where needed:  Yes  No  N/A

**General Storm Sewer Observations:**

**Storm Sewer:**  Complete  Not Complete  N/A  
**Outfall Structure:**  Complete  Not Complete  N/A  
**Overflow:**  Complete  Not Complete  N/A  
**Restrictor:**  Complete  Not Complete  N/A  
**Comments:**

**Detention Basin Observations:**

Are the detention basin(s) built:  Yes  No  N/A  
Are the detention basin(s) adequately stabilized:  Yes  No  N/A  
**Comments:** *Erosion blanket has been installed.*

**Sediment Basin Observations:**

Are the sediment basin(s) built:  Yes  No  N/A  
Are the sediment basin(s) adequately stabilized:  Yes  No  N/A  
**Comments:** *Erosion blanket has been installed.*

**Dewatering Observations:**

Is dewatering directly entering a waterway or wetland:  Yes  No  N/A  
Are dewatering activities conveying sediment-laden water:  Yes  No  N/A  
Are appropriate dewatering BMP's in place and functioning effectively:  Yes  No  N/A  
**Comments:**

**Wind Erosion Observations:**

Are dust control measures being used as needed:  Yes  No  N/A  
Is dust observed moving offsite due to wind:  Yes  No  N/A  
Are roadways being swept when needed:  Yes  No  N/A  
**Comments:**

**Inlet Protection Observations:**

Are all storm sewer inlets protected:  Yes  No  N/A  
Is the inlet protection installed correctly to protect the entire inlet:  Yes  No  N/A  
Is the inlet protection being maintained:  Yes  No  N/A

Comments:

**Silt Fence Observations:**

Does the silt fence meet the AASHTO 288-00 Standard:  Yes  No  N/A  
Is the silt fence installed properly:  Yes  No  N/A  
Is the silt fence maintained and in good condition:  Yes  No  N/A  
Is silt fence installed in all areas shown on the permitted plans:  Yes  No  N/A  
Comments:

**Overland Flow/Offsite Drainage Observations:**

Are all permitted overland flow routes constructed:  Yes  No  N/A  
Are all permitted overland flow routes free from obstruction:  Yes  No  N/A  
Are all permitted overland flow routes stabilized:  Yes  No  N/A  
Are all pre-construction overland flow routes protected:  Yes  No  N/A  
Are all pre-construction overland flow routes free from obstruction:  Yes  No  N/A  
Are all points of offsite drainage (i.e. water leaving the site) stabilized:  Yes  No  N/A  
Comments: *Complete stabilization of overland flow areas. Install rip rap downstream of twin 30" culverts.*

**Perforated Riser Observations:**

Is the perforated riser installed:  Yes  No  N/A  
Is the perforated riser sized correctly (one pipe size smaller than the outlet pipe):  Yes  No  N/A  
Is the perforated riser wrapped with and filter fabric:  Yes  No  N/A  
Is the perforated riser adequately mortared in:  Yes  No  N/A  
Is there an adequate amount of stone at the base of the riser:  Yes  No  N/A  
Comments: *Remove sediment from filter fabric.*

**Site Stabilization Observations:**

Have all disturbed areas been stabilized with temporary or permanent measures within 14 days of the end of active hydrologic disturbance:  Yes  No  N/A  
Are stabilization measures effective:  Yes  No  N/A  
Are there areas of disturbance that need additional stabilization measures:  Yes  No  N/A  
Comments: *Complete stabilization of all disturbed areas.*

**Soil Stockpile Observations:**

Is the soil stockpile located in an approved location (i.e. not in floodplain or wetland):  Yes  No  N/A  
Is the soil stockpile adequately stabilized:  Yes  No  N/A  
Is the soil stockpile properly enclosed with silt fence:  Yes  No  N/A  
Comments:

**Construction Entrance Observations:**

Are all ingress and egress points covered by a temporary construction entrance:  Yes  No  N/A  
Is the entrance constructed with 3" coarse aggregate:  Yes  No  N/A  
Has an appropriate geotextile material been installed underneath the stone:  Yes  No  N/A  
Is the entrance appropriately sized, both in width and length:  Yes  No  N/A  
Is the entrance preventing mud from tracking onto roadways:  Yes  No  N/A  
Comments: *Entrance has been paved.*

**Wetlands and Waters Protection Observations:**

Are all delineated wetlands protected by 4' IDOT Standard Construction Fencing:  Yes  No  N/A  
Are all adjacent offsite wetlands protected from impact:  Yes  No  N/A  
Are illicit discharges into wetlands or bodies of water being prevented:  Yes  No  N/A  
Are wetland buffers protected:  Yes  No  N/A  
Comments:

**Miscellaneous Observations:**

Is there a receptacle on site for deposition of construction material debris:  Yes  No  N/A  
Is there a dedicated, protected area for concrete wash out activities:  Yes  No  N/A  
Is the SWPPP plan available on site:  Yes  No  N/A  
Have any SE/SC measures that are no longer needed been removed:  Yes  No  N/A

Summary: *Re-pin erosion blanket in basin area. Remove sediment from fabric of perforated riser. Seal opening of north 30" culvert in basin so all storm water will flow thru perforated riser. Install rip rap downstream of twin 30" culverts. Complete stabilization of all disturbed areas.*

Report by:  
Ron Nissen  
Sr. Technician, DECI



**Figure 1-Pre-treat area.**



**Figure 2-Place rip rap downstream of twin 30" culverts.**