Post-Construction Stormwater BMP Incident Report

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Boulevard 63119**

Incident Date(s): **6/16/2016 - 6/17/2016**

Last rain event: **0.04" on 6/4/2016**
Last one inch rainfall: **1.72" on 5/26/2016**

Customer: **Webster University**
Contact: **Mr. Craig Miller Sr.**
Phone Number: **314-246-7773**
Email: craigmiller29@webster.edu



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Maintenance Supervisor: **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Incident Supervisor's Summary:

On June 10, during a weekly SWPP inspection, the Stormwater STL inspector began monitoring the depth of sediment in the existing hydrodynamic separator (HDS) that collects stormwater runoff from the area of the new ISB construction and discharges pre-treated water into the existing biodetention basin on the south side of the EAB. The depth of sediment in the HDS on 6/10 was measured at 2'-3". During the weekly inspection on June 16, the Stormwater STL inspector measured the depth of sediment at 6'-8" - well above the 3'-0" sediment storage capacity of this HDS. Inspector also noted turbid water flowing into the HDS and the same turbid water flowing into the biodetention basin. After being alerted to this situation, Steve Polk notified Jason Szachnieski and Steve Ray - both with Paric. Within a few hours, Paric had identified the source of the sediment as their drilling contractor and had directed them to suspend pumping into the existing storm piping. By the time pumping was suspended however, sediment covered approximately 10 percent of the surface area of the biodetention basin.

Upon arriving at the site on June 17, the sediment depth was measured at 6'11". Badger Daylighting subsequently vacuumed the sediment from the HDS and pressure washed the manhole. At the end of that operation, there was only a few inches of clear water in the bottom of the HDS. Badger then turned their attention to removal of the sediment buildup in the biodetention basin, using pressurized water to break up the sediment and their vacuum to pick up the liquified sediment. During this operation, Stormwater STL measured the sediment to be 3' to 4" deep within approximately 10' of the HDS discharge pipe and 1" to 2" deep at approximately 20' from the discharge pipe. Upon completion of this operation, the surface rock layer was visible throughout most of the vacuumed area. Water was however, standing in most of the areas that were vacuumed.

To confirm whether sediment was continuing to clog the areas covered by silt-laden water, Stormwater STL made visual inspections on June 18 and 19 to check whether the standing water had drained. The attached photos show that the water was not able to drain through the biodetention basin soil - indicating that the soil in those areas will have to be removed and replaced in order to return this basin to full functionality. The depth of soil removal can be determined by field testing the flow rate of water through the soil at different levels within the soil profile. In many cases, the removal and replacement of 6" to 18" of existing soil will repair the damage done by the sediment.

Action Items Identified During this Operation:

The damage to this system appears to have been avoidable and while it may not have been malicious, repairs must be made to return this system to full functionality. The following steps are therefore recommended:

* Using an infiltrometer or other MSD approved method, test the biodetention basin soil in the damaged areas to document the boundary of the area
* to be repaired and the depth of soil removal necessary to return the soil profile to full functionaliity.
* Prepare a Biodetention Basin Remediation Plan to include plans, specifications and guidelines for the repairs proposed.
* Remove and legally dispose of plants within the designated repair area.
* Remove and legally dispose of soil within the designated repair area to the depth necessary to return the biodetention basin to full functionality.
* Return the biodetention basin surface the its original elevation using an MSD approved soil mix and mulch that matches the remainder of the basin.
* Provide in-situ testing of the replacement biodetention soil to confirm compliance with project specifications.
* Replace plants in complaince with the original MSD approved planting plan and specification.
* Water replacement plants in accordance with the original landscape specifications or another approved plan.

The best results will be obtained by insuring testing is provided by personnel experienced with testing of local biodetention soils. Likewise, the repairs should be supervised by an individual having firsthand experience with the repair of local biodetention basins.

Photographs:

See attached sheet for incident photos

WEBSTER UNIVERSITY ISB – Incident Inspection Photos

June 16, 2016 (Day One)

TURBID WATER FLOWING FROM HDS INTO BIODETENTION BASIN



APPARENT SOURCE OF TURBID WATER AND SEDIMENT



TURBID WATER BEING PUMPED DIRECTLY INTO STORM SEWER



CLOSE-UP OF TURBID WATER BEING PUMPED INTO STORM SEWER



VIEW INTO STORM SEWER CARRYING TURBID WATER TO HDS



REPRESENTATIVE VIEW OF DAMAGE TO 10 PERCENT OF BASIN SURFACE AREA



WEBSTER UNIVERSITY ISB – Incident Comparison Photos

June 17, 2016 (Day Two)

VIEW INTO HDS WITH SEDIMENT DEPTH OF 6'-11"



SEDIMENT BUILDUP IN AREA OF HDS OUTLET PIPE



SEDIMENT BUILDUP TO THE EAST OF HDS OUTLET PIPE



CLOSE-UP VIEW OF FOOTPRINT IN SEDIMENT



VIEW OF DAMAGED AREA



VIEW OF DAMAGED AREA



VIEW OF DAMAGED AREA



VIEW OF STORM SEWER AFTER DIRECT PUMPING WAS DISCONTINUED



VIEW OF PRESSURIZED WATER AND VACUUMING OPERATION IN PROGRESS



WEBSTER UNIVERSITY ISB – Incident Inspection Photos

June 17 - 19, 2016 (Days Two, Three and Four)

JUNE 17 (DAY TWO)



JUNE 17 (DAY TWO)



JUNE 18 (DAY THREE)



JUNE 18 (DAY THREE)



JUNE 18 (DAY THREE)



JUNE 19 (DAY FOUR)



JUNE 19 (DAY FOUR)



JUNE 19 (DAY FOUR)



JUNE 19 (DAY FOUR)



Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, June 10, 2016**
Time:	**9:35 AM**
Weather:	**80 Degrees and Sunny**
Last rain event:	**0.24 on 2016.06.04**
Last one inch rainfall:	**1.01 on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Sunday, June 5, 2016**



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Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

Inlet #1 has been covered with filter fabric, remove and replace as needed.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the other end next to the trailer, to keep sediment from getting around it and into the grate inlet. The filter fabric inside the inlet needs to be monitored and replaced as needed.

Water being pumped off of the site, should be run through a filter sock to keep sediment from getting into the system.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0394D (SE corner of EAB)	Remove and replace filter fabric under grates---ON GOING
GI at SE corner of EAB	Pin or weigh down filter sock at SE corner of EAB to pavement --- NOT COMPLETED
Double Curb Inlet 23K2-0374D (parking lot)	Remove sediment buildup around filter sock see photos ---NOT COMPLETED

Action Items Identified During This Inspection:

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove sediment captured by the filter sock at DCI 23K2 0374D (Parking Lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin filter sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - Replace filter fabric under grates as needed ---ON GOING
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on June 17, 2016

EAB - HDS System 2.3 inches of sediment.

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 10, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISN –
SWPPP BMP Photos

June 10, 2016

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FILTER FABRIC COVERING INLET # 1



FES INTO LAKE



PIN OR WEIGH DOWN INLET PROTECTION 23K2-0394D



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



REMOVE SEDIMENT BUILDUP AT DCI 23K2-0374D



MONITOR SEDIMENT BUILDUP AT END OF PIPE



CURB INLET PROTECTION ON GARDEN AVENUE



WATER PUMPED THROUGH HOSE INTO END OF PIPE



FILTER FABRIC IN PLACE AT GI 23K2-0394D



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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Stormwater Pollution Prevention Plan (SWPPP) Inspections:

2016.04.12 SWPPP Rainfall Inspection	
2016.04.19 SWPPP Inspection	

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, April 19, 2016**
Time:	**12:20 p.m.**
Weather:	**73° and cloudy**
Last rain event:	**0.99" on 2016.04.11**
Last one inch rainfall:	**2.59" on 2015.12.28**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, April 12, 2016**



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Inspector's Summary:

Construction activity at this site is limited to minor site demolition pending acquisition of permits.

SWPPP BMPs are in place around active grate inlets 0405D, 0406D and 0444D west of the East Academic Building and around a soil stockpile immediately north of the existing biodetention basin. Biodetention overflow structure AI 0391D is protected by fabric placed under grates - pending addition of silt fence following removal of boulders adjacent to the inlet. GI 0392D near the NE corner of the EAB is also protected with fabric under grates. At our pre-construction conference on April 8, the attendees agreed that perimeter silt fencing is unnecessary and could be eliminated. When construction trailer is in place, the record set of SWPPP prints will be marked accordingly.

Additional silt sock is in place to trap overland flow on east drive and direct stormwater to GI 23K2-0392D. Big Red inlet protection is in place at DCI 23K2-0374D and at inlet near south end of east drive.

Site remains clean and dry and lake shows no sign of sediment encroachment from this site.

Status of Open Action Items Identified During Previous Inspections:

No open action items pending

Action Items Identified During This Inspection:

SWPPP Prints	Mark up record set when construction trailer is in place
Silt Sock	Replace torn silt sock around GI 23K2-0444D

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land distrubance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items aboved)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle washdown area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE TORN SILT SOCK AT GI 23K2-0444D
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 26

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 19, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISN –
SWPPP BMP Photos

April 19, 2016

VIEW OF SEDIMENT BARRIER AROUND SOIL STOCKPILE



LOOKING AT SEDIMENT PROTECTION IN GI 23K2-0391D



VIEW OF SEDIMENT PROTECTION AROUND EXISTING RAIN GARDEN



LOOKING SOUTH ACROSS LAND DISTURBED TO DATE



BIG RED INLET PROTECTION IN PLACE AT DCI 23K2-0374D



REPLACE TORN SILT SOCK AT GI 23K2-0444D



LOOKING AT SEDIMENT PROTECTION IN GI 23K2-0444D



LOOKING AT EAST INLET PIPE INTO LAKE SOUTH OF PROJECT SITE



BIG RED INLET PROTECTION IN PLACE NEAR SOUTH END OF EAST DRIVE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

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Address: **8274 Big Bend 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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Stormwater Pollution Prevention Plan (SWPPP) Inspections:

2016.04.12	SWPPP Rainfall Inspection	
2016.04.19	SWPPP Inspection	
2016.04.27	SWPPP Rainfall Inspection attempted	

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Wednesday, April 27, 2016**
Time:	**1:35 p.m.**
Weather:	**71° and cloudy**
Last rain event:	**1.07" on 2016.04.26**
Last one inch rainfall:	**1.07" on 2016.04.26**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, April 19, 2016**



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Inspector's Summary:

Construction activity appears to be suspended pending acquisition of permits. Gates are locked - so, area is inaccessible for inspection. Site remains clean and dry and lake shows no sign of sediment encroachment from this site. Comments contained herein are carried over from April 19th report.

Status of Open Action Items Identified During Previous Inspections:

No open action items pending

Action Items Identified During This Inspection:

SWPPP Prints	Mark up record set when construction trailer is in place
Silt Sock	Replace torn silt sock around GI 23K2-0444D

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land distrubance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items aboved)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle washdown area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE TORN SILT SOCK AT GI 23K2-0444D
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 29

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 27, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISN –
SWPPP BMP Photos

April 27, 2016

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LOOKING NORTH AT INLET PIPE FES



LOOKING AT CLEAR WATER STANDING IN INLET PIPE FES



LOOKING EAST TOWARD INLET PIPE FES



LOOKING AT CLEAR WATER STANDING IN INLET PIPE FES



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

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Address: **8274 Big Bend 63119**

Customer: **Webster University**
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Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Rainfall Inspection attempted
2016.05.03	SWPPP Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Tuesday, May 3, 2016**
Time:	**2:30 p.m.**
Weather:	**71° and cloudy**
Last rain event:	**1.12" on 2016.04.29**
Last one inch rainfall:	**1.12" on 2016.04.29**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, April 27, 2016**



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Inspector's Summary:

Construction activity appears to be suspended pending acquisition of permits. Site remains clean and dry and lake shows no sign of sediment encroachment from this site.

Status of Open Action Items Identified During Previous Inspections:

Silt Sock	Replace torn silt sock around GI 23K2-0444D -- NOT COMPLETED

Action Items Identified During This Inspection:

SWPPP Prints	Mark up record set when construction trailer is in place
Silt Sock	Replace torn silt sock around GI 23K2-0444D
GI 23K2-0392D	Remove and replace filter fabric under grates

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land distrubance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items aboved)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle washdown area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE TORN SILT SOCK AT GI 23K2-0444D
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE AND REPLACE FILTER FABRIC UNDER GRATES AT GI 23K2-0392D
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 10

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 3, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISN –
SWPPP BMP Photos

May 3, 2016

VIEW OF SEDIMENT BARRIER AROUND SOIL STOCKPILE



LOOKING AT SEDIMENT PROTECTION IN GI 23K2-0391D



VIEW OF SEDIMENT PROTECTION AROUND EXISTING RAIN GARDEN



BIG RED INLET PROTECTION IN PLACE AT DCI 23K2-0374D



REPLACE TORN SILT SOCK AT GI 23K2-0444D



WATER STANDING IN GI 23K2-0392D INDICATES FILTER FABRIC IS CLOGGED



REMOVE AND REPLACE FILTER FABRIC IN GI 23K2-0392D



SEDIMENT ON PAVEMENT INDICATES PONDING AREA AT GI 23K2-0392D



LOOKING AT EAST INLET PIPE INTO LAKE SOUTH OF PROJECT SITE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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Inspector(s): **Steven W. Polk, PE**
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E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan (SWPPP) Inspections:

2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Rainfall Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 11, 2016**
Time:	**11:05 AM**
Weather:	**77 Degrees and Hazy**
Last rain event:	**0.29" on 2016.05.09**
Last one inch rainfall:	**1.12" on 2016.04.30**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, May 3, 2016**



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Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation activity started on May 5, 2016. Site remains clean and dry and lake shows no sign of sediment encroachment from this site.

Inlets # 23K2-0405D & 23K20444D have been removed from the site.

Fabric is in place under the grate at 23K2-0392 (construction gate entrance) & at the inlet in the driveway at the southeast corner of the East Academic Building.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0392D	Remove and replace filter fabric under grates.	**On-Going**

Action Items Identified During This Inspection:

SWPPP Prints	Mark up record set when construction trailer is in place

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove and replace filter fabric at GI 23K2-0392D.
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 17

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 11, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

May 11, 2016

REMOVE AND REPLACE FILTER FABRIC IN GI 23K2-0392D



CURB INLET PROTECTION IN PLACE AT DCI 23K2-0374D



LOOKING NORTH FROM EAST ACADEMIC BUILDING



VIEW OF SEDIMENT PROTECTION AROUND EXISTING RAIN GARDEN



FES INTO LAKE



LOOKING SOUTH AT DIVERSION BERM ON WEST PARKING LOT



FILTER SOCK AT SE CORNER OF EAST ACADEMIC BUILDING



FILTER FABRIC UNDER GRATES IN RAIN GARDEN GI 23K2-0391D



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan (SWPPP) Inspections:

2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Rainfall Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Friday, May 13, 2016**
Time:	**12:25 P.M.**
Weather:	**69 Degrees and Sunny**
Last rain event:	**0.04" on 2016.05.12**
Last one inch rainfall:	**1.59" on 2016.05.11**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 11, 2016**



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Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

The filter fabric under GI 23K2-0392D is clogged and must be removed and replaced. This looks like it will be an ongoing issue at that inlet because it not only collects the runoff during a rain event, but also the wash down water from the concrete trucks.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the end of the trailer at the other to keep sediment from getting around it and into the grate inlet.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0392D	Remove and replace filter fabric under grates.	**On-Going**

Action Items Identified During This Inspection:

SWPPP Prints	Mark up record set when construction trailer is in place
GI at SE corner of EAB	Pin silt sock at SE corner of EAB to pavement or weight down ends (see note above)

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove and replace filter fabric under grates in GI 23K2-0392D
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin silt sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 18

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 13, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

May 13, 2016

REMOVE AND REPLACE FILTER FABRIC IN GI 23K2-0392D



LOOKING NORTH AT DRIVEWAY TO BIG BEND



FILTER FABRIC UNDER GRATES IN RAIN GARDEN GI 23K2-0391D



INLET PROTECTION IN PLACE AT DCI 23K2-0374D



FES OUT TO LAKE



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



INLET PROTECTION IN PLACE AT DCI ON GARDEN AVENUE



INLET PROTECTION IN PLACE AT SE CORNER OF EAST ACADEMIC BUILDING



LOOKING WEST AT TRUCK WASH DOWN AREA



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **2016.04.12**



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Stormwater Pollution Prevention Plan (SWPPP) Inspections:

2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Rainfall Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 18, 2016**
Time:	**11:35 AM**
Weather:	**60 Degrees and Partly Cloudy**
Last rain event:	**0.51" on 2016.05.17**
Last one inch rainfall:	**1.59" on 2016.05.11**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, May 13, 2016**



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Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

The filter fabric under GI 23K2-0392D is clogged and must be removed and replaced. This looks like it will be an ongoing issue at that inlet because it not only collects the runoff during a rain event, but also the wash down water from the concrete trucks.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the end of the trailer at the other to keep sediment from getting around it and into the grate inlet.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-03	Ongoing ---	Remove and replace filter fabric under grates.
GI at SE corner of EAB		Pin silt sock at SE corner of EAB to pavement or weight down ends (see note above)

Action Items Identified During This Inspection:

Dbl Curb Inlet 23K2 0374D / West side of site	Remove sediment captured by the silt sock

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove sediment captured by the silt sock at DCI 23K2 0374D
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin silt sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

NAR	Site in compliance with Land Disturbance Code/Approved Plans - Remove and replace filter fabric under grates in GI 23K2-0392D
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 25

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 18, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

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May 18, 2016

FES INTO LAKE



LOOKING SOUTH TOWARD GARDEN AVENUE



LOOKING NORTH AT DRIVEWAY TO BIG BEND



INLET PROTECTION IN PLACE AT SE CORNER OF EAST ACADEMIC BUILDING



MONITOR FUNCTIONALITY OF TRUCK WASH DOWN AREA



REMOVE SEDIMENT BUILDUP AT DCI 23K2-0374D



MONITOR SILT SOCK CONDITION AT EXISTING PVC PIPE AFTER EACH RAIN



REMOVE AND REPLACE FILTER FABRIC IN GI 23K2-0392D



LOOKING NORTH FROM GARDEN AVENUE ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, May 26, 2016**
Time:	**1:00 PM**
Weather:	**71 Degrees Partly Cloudy**
Last rain event:	**0.53" on 2016.05.26**
Last one inch rainfall:	**1.59" on 2016.05.11**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 18, 2016**



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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

The rain garden and Inlet 23K2-0391D have been removed from the middle of the construction site.

Inlet # 23K2-0392D has been removed, the new (reference # 1) inlet is being installed, work is expeceted to be completed within 5 days.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the end of the trailer at the other to keep sediment from getting around it and into the grate inlet.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0392D	Remove and replace filter fabric under grates---ON GOING
GI at SE corner of EAB	Pin or weigh down silt sock at SE corner of EAB to pavement or weight down ends NOT COMPLETED
Dbl Curb Inlet 23K2-0374D	Remove sediment buildup around silt sock ---NOT COMPLETED

Action Items Identified During This Inspection:

No new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove sediment captured by the silt sock at DCI 23K2 0374D
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin silt sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans -Replace filter fabric under grates as needed-ON GOING
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on June 2, 2016

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 26, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

May 26, 2016

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FES INTO LAKE



PIN OR WEIGH DOWN SILT SOCK AROUND INLET AT SE CORNER OF EAB



NEW GRATE INLET 1



REMOVE SEDIMENT BUILDUP AT DCI 23K2-0374D



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



MONITOR FUNCTIONALITY OF TRUCK WASH DOWN AREA



CURB INLET PROTECTION ON GARDEN AVENUE



LOOKING WEST AT MIDDLE OF CONSTRUCTION SITE



STORM SEWER INSTALLATION EAST OF EAB



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly and Rainfall**
Inspection Date:	**Sunday, June 5, 2016**
Time:	**10:00 AM**
Weather:	**71 Degrees and Sunny**
Last rain event:	**0.24 on 2016.06.04**
Last one inch rainfall:	**1.01 on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, May 26, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

Inlet # 23K2-0392D has been removed, the new inlet (reference # 1 on the plans) has been installed.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the other end next to the trailer, to keep sediment from getting around it and into the grate inlet. The filter fabric inside the inlet needs to be monitored and replaced as needed.

Water being pumped off of the site, should be run through a filter sock to keep sediment from getting into the system.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0392D	Remove and replace filter fabric under grates---ON GOING
GI at SE corner of EAB	Pin or weigh down filter sock at SE corner of EAB to pavement or weight down ends NOT COMPLETED
Double Curb Inlet 23K2-0374D (parking lot)	Remove sediment buildup around filter sock see photos ---NOT COMPLETED

Action Items Identified During This Inspection:

Monitor filter sock covering the double curb inlet on Garden Avenue, so it completely covers the inlet --- see photo

Monitor sediment buildup in end of pipe --- see photo

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove sediment captured by the filter sock at DCI 23K2 0374D (Parking Lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin filter sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - Replace filter fabric under grates as needed ---ON GOING
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on June 10, 2016

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 5, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

June 5, 2016

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FES INTO LAKE



CURB INLET PROTECTION ON GARDEN AVENUE



PIN OR WEIGH DOWN INLET PROTECTION 23K2-0394D



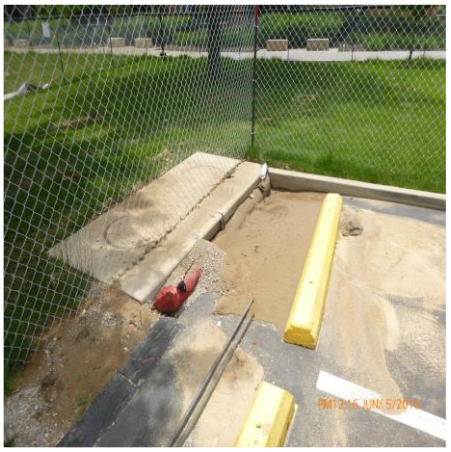
FILTER FABRIC IN PLACE AT GI 23K2-0394D



VIEW OF NEW GI 1



REMOVE SEDIMENT BUILDUP AT DCI 23K2-0374D



MONITOR SEDIMENT BUILDUP AT END OF PIPE



WATER PUMPED THROUGH HOSE INTO END OF PIPE



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
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Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, June 10, 2016**
Time:	**9:35 AM**
Weather:	**80 Degrees and Sunny**
Last rain event:	**0.24 on 2016.06.04**
Last one inch rainfall:	**1.01 on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Sunday, June 5, 2016**



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Inspector(s):	**Steven W. Polk, PE**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC

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Inspector's Summary:

Excavation continues on the site. At this time, the lake shows no sign of sediment encroachment from this site.

Inlet #1 has been covered with filter fabric, remove and replace as needed.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building should be pinned or weighted to keep it against the curb on one side and the other end next to the trailer, to keep sediment from getting around it and into the grate inlet. The filter fabric inside the inlet needs to be monitored and replaced as needed.

Water being pumped off of the site, should be run through a filter sock to keep sediment from getting into the system.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0394D (SE corner of EAB)	Remove and replace filter fabric under grates---ON GOING
GI at SE corner of EAB	Pin or weigh down filter sock at SE corner of EAB to pavement --- NOT COMPLETED
Double Curb Inlet 23K2-0374D (parking lot)	Remove sediment buildup around filter sock see photos ---NOT COMPLETED

Action Items Identified During This Inspection:

No action items identified during this report

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans - Remove sediment captured by the filter sock at DCI 23K2 0374D (Parking Lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - Pin filter sock at SE corner of EAB to pavement or weight down ends (see note above)
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - Replace filter fabric under grates as needed ---ON GOING
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on June 17, 2016

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 10, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

June 10, 2016

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FILTER FABRIC COVERING INLET # 1



FES INTO LAKE



PIN OR WEIGH DOWN INLET PROTECTION 23K2-0394D



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



REMOVE SEDIMENT BUILDUP AT DCI 23K2-0374D



MONITOR SEDIMENT BUILDUP AT END OF PIPE



CURB INLET PROTECTION ON GARDEN AVENUE



WATER PUMPED THROUGH HOSE INTO END OF PIPE



FILTER FABRIC IN PLACE AT GI 23K2-0394D



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, June 16, 2016**
Time:	**9:00 AM**
Weather:	**78 Degrees and Sunny**
Last rain event:	**0.01 on 2016.06.15**
Last one inch rainfall:	**1.01 on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, June 10, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake **now shows signs** of some sediment encroachment from this site.

The filter sock protecting the four grate inlet at the southeast corner of the East Academic Building has been weighted down to keep it against the curb and the trailer. The filter fabric inside the inlet needs to be monitored and replaced as needed.

All water being pumped, drained, removed in any manner from the construction site, must run through some type of filtering system, to keep sediment from getting into the HDS system, rain garden and lake.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0394D (SE corner of EAB)	Remove and replace filter fabric under grates---ON GOING
GI at SE corner of EAB	Pin or weigh down filter sock at SE corner of EAB to pavement --- COMPLETED
Double Curb Inlet 23K2-0374D (parking lot)	Remove sediment buildup around filter sock see photos --- COMPLETED

Action Items Identified During This Inspection:

Inlet # 1	REMOVE AND REPLACE filter fabric and reseat grates on Inlet #1 --- See Photo
End of Pipe	STOP pumping turbid water and sediment into pipe without filtration --- see Photos

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **STOP pumping turbid water and sediment into pipe without filtration**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric and reseat grates on Inlet #1**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REPLACE filter fabric under grates as needed**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on June 23, 2016

HDS is filled beyond its storage capacity which allows turbid water and sediment to enter biodetention basin

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 16, 2016

Date

Steven W. Polk

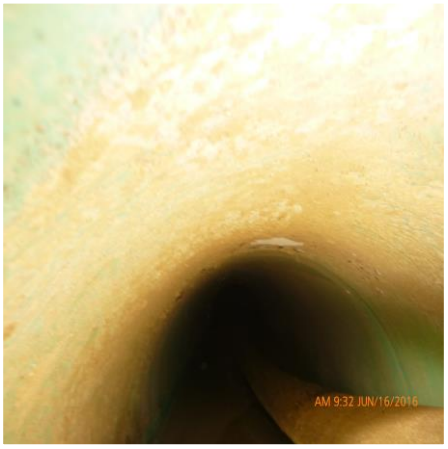
Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP BMP Photos

June 16, 2016

STOP PUMPING TURBID WATER AND SEDIMENT INTO PIPE W/O FILTRATION



TURBID WATER AND SEDIMENT DISCHARGING FROM HDS



REMOVE AND REPLACE FILTER FABRIC AND RESEAT GRATES ON INLET #1



SEDIMENT REMOVED IN FRONT OF INLET 23K2-0374D



REPAIR SEDIMENT ENCROACHMENT AT NE CORNER OF THE LAKE



STOP PUMPING TURBID WATER AND SEDIMENT INTO PIPE W/O FILTRATION



SILT SOCK AND FILTER FABRIC PROTECTING GI 23K2-0406D



LOOKING EAST ACROSS CENTER OF CONSTRUCTION SITE



REPAIR SEDIMENT ENCROACHMENT AT NE CORNER OF THE LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, June 24, 2016**
Time:	**9:00 AM**
Weather:	**89 Degrees and Sunny**
Last rain event:	**Trace on 2016.06.22**
Last one inch rainfall:	**1.01 on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, June 16, 2016**



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Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Excavation continues on the site. At this time, the lake now has a minor amount of sediment encroachment from this site.

A bulkhead has been constructed to cover the end of the 12 inch pvc pipe and the bulkhead and pipe are covered with dirt. --- See Photo

Filter Fabric in Inlet # 1 and Inlet # 23K20394D have been replaced.

All stormwater from disturbed areas is now being routed to a Rain for Rent dewatering tank for treatment before discharge into the storm sewer system.

Status of Open Action Items Identified During Previous Inspections:

GI 23K2-0394D (SE corner of EAB)	Remove and replace filter fabric under grates---ON GOING

Action Items Identified During This Inspection:

No action items were identified during this inspection.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (**X**) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric when water stands on fabric after rain**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on July 1, 2016

HDS has picked up 4" of sediment since being vacuumed

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 24, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

June 24, 2016

MONITOR MINOR SEDIMENT ACCUMULATION IN LAKE



INLET PROTECTION IN GOOD CONDITION



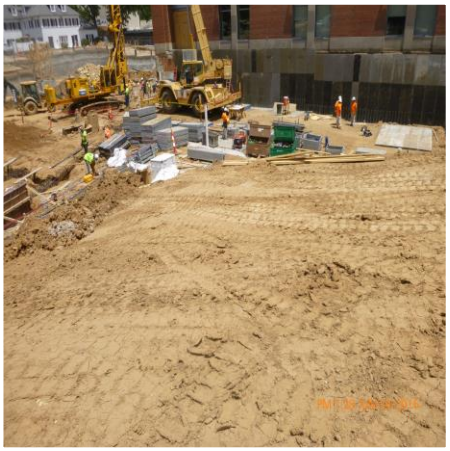
DEWATERING TANK AND INLET PROTECTION IN GOOD CONDITION



MONITOR CONDITION OF EXIT RAMP RUMBLE STRIP



OPEN STORM PIPE HAS BEEN BULK HEADED AND AREA HAS BEEN FILLED



MONITOR CONDITION OF INLET PROTECTION



MONITOR CONDITION OF INLET PROTECTION



MONITOR SEDIMENT BUILDUP IN HDS – CURRENTLY AT 4”



TEMPORARY REPAIRS TO BIODETENTION BASIN ARE COMPLETE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly and Rainfall**
Inspection Date:	**Friday, July 1, 2016**
Time:	**1:45 PM**
Weather:	**80 Degrees and Partly Cloudy**
Last rain event:	**0.38" on 2016.06.30**
Last one inch rainfall:	**1.01" on 2016.05.27**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, June 24, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
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Inspector's Summary:

Excavation continues on the site. At this time, the lake now has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

All stormwater from disturbed areas continues to be routed to a Rain for Rent dewatering tank for treatment before discharge into the storm sewer system.

Heavy rain is forecast for this weekend - so, we will monitor actual rainfall and respond accordingly.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed --- ON GOING

Action Items Identified During This Inspection:

No action items were identified during this inspection.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric when water stands on fabric after rain**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

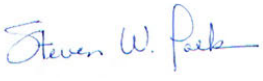
Next inspection scheduled on July 8, 2016

HDS has picked up 12" of sediment since being vacuumed and lake FES has 0.25" of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 1, 2016

Date



Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 1, 2016

LOOKING AT TURBID WATER IN HDS



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



REMOVE AND REPLACE FILTER FABRIC AT INLETS AS NEEDED



LOOKING AT DEWATERING TANK AND INLET PROTECTION



REMOVE AND REPLACE FILTER FABRIC AT INLETS AS NEEDED



VIEW OF INLET PROTECTION AT FOUR GRATE INLET



REMOVE AND REPLACE FILTER FABRIC AT INLETS AS NEEDED



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



FES AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Company: **Stormwater STL LLC**
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E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Tuesday, July 5, 2016**
Time:	**10:45 AM**
Weather:	**83 Degrees and Partly Cloudy**
Last rain event:	**1.28 from 2016.07.02 thru 2016.07.04**
Last one inch rainfall:	**1.11" on 2016.07.04**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 1, 2016**



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Inspector(s):	**Steven W. Polk, PE**
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Company:	**Stormwater STL LLC**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake now has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

All stormwater from disturbed areas continues to be routed to a Rain for Rent dewatering tank for treatment before discharge into the storm sewer system.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed --- ON GOING

Action Items Identified During This Inspection:

Curb Inlet Garden Avenue	Remove built up sediment around filter sock- See Photo's
Curb Inlet 23K2-0374D Parking Lot	Remove built up sediment around filter sock- See Photo's

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric when water stands on fabric after rain**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around filter sock Garden Avenue**
AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around filter sock 23K2-0374D (Prking lot)**
AR	Site in compliance with Land Disturbance Code/Approved Plans - **REPLACE filter fabric under grates as needed.**
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on July 8, 2016

HDS has picked up 12" of sediment since being vacuumed and lake FES has 0.25" of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 5, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 5, 2016

LOOKING AT TURBID WATER IN HDS



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



FES AT LAKE



REMOVE AND REPLACE FILTER FABRIC AS NEEDED



MONITOR CONDITION OF INLET PROTECTION



LOOKING SOUTH AT DRIVEWAY ENTRANCE GARDEN STREET



LOOKING SOUTH AT MIDDLE OF CONSTRUCTION SITE



MONITOR CONDITION OF EXIT RAMP RUMBLE STRIPS



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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License #: **MO E-18668**
Company: **Stormwater STL LLC**
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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Friday, July 8, 2016**
Time:	**12:20 PM**
Weather:	**86 Degrees Partly Cloudy**
Last rain event:	**0.49 on 2016.07.07**
Last one inch rainfall:	**1.11" on 2016.07.03**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, July 5, 2016**



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Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake now has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

All Stormwater from disturbed areas continues to be routed to a Rain for Rent dewatering tank for treatment before discharge into the storm sewer system.

Upon inspection it was noticed that the fabric covering 2 of the inlets had holes and cuts in them, we recommend that this practice be discontinued, and an alternative solution be developed.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed --- ON GOING
Curb Inlet Garden Avenue	Remove built up sediment around filter sock- See Photo's COMPLETED
Curb Inlet 23K2-0374D Parking Lot	Remove built up sediment around filter sock - NOT COMPLETED

Action Items Identified During This Inspection:

Grate Inlet 23K2-0394D (East of EAB building)	Remove and replace filter fabric
Grate inlet 23K2-0405D (Grass area near parking lot)	Remove and replace filter fabric
Grate Inlet # 1	Remove and replace filter fabric

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric when water stands on fabric after rain**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE & REPLACE filter fabric under grates 23K2-0394D, 23K2-0405D & # 1**
AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around curb inlet 23K2-0374D (Parking lot)**
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on July 15, 2016

HDS has picked up 15" of sediment since being vacuumed and lake FES has 1.25 ' of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 8, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 8, 2016

FES AT LAKE



REMOVE AND REPLACE FILTER FABRIC



LOOKING AT TURBID WATER IN HDS



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



WATER COLLECTION TANK & INLET 1



LOOKING NORTH AT ENTRANCE DRIVEWAY



LOOKING NORTHWEST AT MIDDLE OF CONSTRUCTION SITE



RAIN GARDEN #1



INLET PROTECTION IN PLACE AT GARDEN AVENUE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 15, 2016**
Time:	**12:20 PM**
Weather:	**86 Degrees Sunny**
Last rain event:	**0.01 on 2016.07.14**
Last one inch rainfall:	**1.91 on 2016.07.10**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 8, 2016**



Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

The rain for rent dewatering tank is now full, all stormwater from disturbed areas is now being drained through filter bags, before being discharged into the storm sewer system. - See Photo

On July 13, 2016 a Flexstorm filter was installed in Inlet # 1 to keep sediment from entering the system. The contractor is responsible for the maintenance of the filter. - See Photo

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D Parking Lot	Remove built up sediment around filter sock - NOT COMPLETED
Grate Inlet 23K2-0394D (East of EAB building)	Remove and replace filter fabric- NOT COMPLETED
Grate inlet 23K2-0405D (Grass area near parking lot)	Remove and replace filter fabric- COMPLETED
Grate Inlet # 1	Replaced with Felxstorm filter- COMPLETED

Action Items Identified During This Inspection:

No New Action Items at This Time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric when water stands on fabric after rain**
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE & REPLACE filter fabric under grates 23K2-0394D**
AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around curb inlet 23K2-0374D (Parking lot)**
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going (**X**) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on July 22, 2016

The existing HDS is picking up approximately 5" of sediment each week. At this rate, this HDS will need to be vacuumed in three weeks, when it reaches it's design capacity of 36".

We are also seeing a minor increase in sediment buildup at the FES into the lake. We will monitor this situation closely and note the weekly changes in this section of the report.

HDS has picked up 20"of sediment since being vacuumed and lake FES has 1.75' of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 15, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 15, 2016

REMOVE SEDIMENT FROM IN FRONT OF INLET PROTECTION



FILTER FABRIC IN PLACE AT INLET



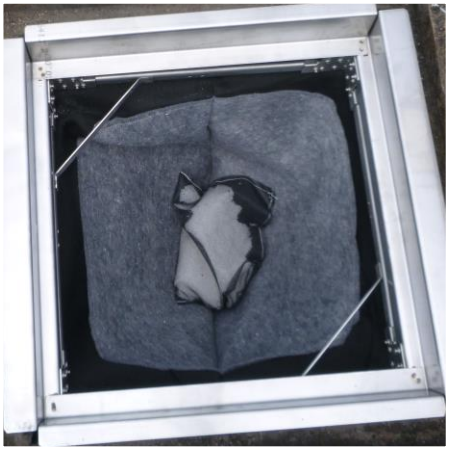
REPLACE FILTER FABRIC TO REMOVE STANDING WATER



FILTER BAGS TO COLLECT SEDIMENT BEFORE DISCHARGING



NEW FILTER INSERT INLET # 1



MONITOR CONDITION OF EXIT RAMPS RUMBLE STRIPS



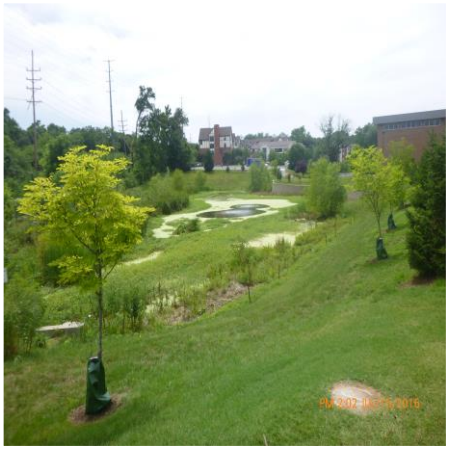
DEWATERING TANK & INLET # 1



LOOKING EAST AT CENTER OF CONSTRUCTION SITE



LOOKING SOUTHEAST AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 22, 2016**
Time:	**1:10 PM**
Weather:	**92 Degrees Partly Cloudy**
Last rain event:	**0.97 on 2016.07.20**
Last one inch rainfall:	**1.91 on 2016.07.10**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 15, 2016**



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Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Excavation continues on the site. At this time, the lake has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

The rain for rent dewatering tank is being drained through filter bags before being discharged into the storm sewer system. Sediment that is not collected by the bags, is being captured with the filter sock and filter fabric installed at the inlet located East of the EAB.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D Parking Lot	Remove built up sediment around filter sock - NOT COMPLETED
Grate Inlet 23K2-0394D (East of EAB)	Remove and replace filter fabric-- COMPLETED

Action Items Identified During This Inspection:

Double Curb Inlet (Garden Ave)	Remove built up sediment around filter sock
Inlet 23K2-0406D (Grass Area)	Repair or add additional protection around inlet

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

NAR	Site in compliance with Land Disturbance Code/Approved Plans ---
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric as needed**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going (**X**) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around curb inlet (Garden Ave)**
AR	Site in compliance with Land Disturbance Code/Approved Plans - **REMOVE sediment around curb inlet 23K2-0374D (Parking lot)**
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on July 29, 2016

HDS has picked up 23" of sediment since being vacuumed and lake FES has 2" of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 22, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 22, 2016

REMOVE SEDIMENT FROM IN FRONT OF INLET PROTECTION



REPAIR OR ADD MORE SILT SOCK AROUND INLET



REMOVE SEDIMENT IN FRONT OF INLET PROTECTION



FILTER BAG AFTER COLLECTING SEDIMENT BEFORE DISCHARGING



FES AT LAKE



FILTER FABRIC IN PLACE AT INLET



MONITOR SEDIMENT AT CONSTRUCTION DRIVEWAY ENTRANCE



LOOKING AT TURBID WATER IN HDS



LOOKING SOUTHEAST AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 29, 2016**
Time:	**1:30 PM**
Weather:	**86 Degrees and Sunny**
Last rain event:	**Trace on 2016.07.27**
Last one inch rainfall:	**1.21 on 2016.07.25**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 22, 2016**



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License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Excavation continues on the site. At this time, the lake has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

Water from drilling the pier holes is being pumped off of the site, drained through a filter bag, before being discharged into the storm sewer system. Sediment that is not collected by the bag, is being captured with filter socks installed along the entrance driveway and filter fabric installed at the inlet located East of the EAB.

The level of the sediment in the HDS has stayed the same.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D Parking Lot	Remove built up sediment around filter sock - COMPLETED
Grate Inlet 23K2-0394D (East of EAB)	Remove and replace filter fabric-- COMPLETED
Double Curb Inlet (Garden Ave)	Remove built up sediment around filter sock-- COMPLETED
Inlet 23K2-0406D	Repair or add additional protection around inlet--COMPLETED

Action Items Identified During This Inspection:

No new action items found at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **MONITOR sediment on the road and driveway leaving the construction site**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric as needed**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on August 5, 2016

HDS has picked up 23" of sediment since being vacuumed and lake FES has 2 1/4" of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 29, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

July 29, 2016

NEW INLET PROTECTION IN PLACE



INLET # 1 & DEWATERING TANK



INLET PROTECTION IN PLACE



MONITOR SEDIMENT LEAVING CONSTRUCTION SITE



FES AT LAKE



LOOKING WEST AT MIDDLE OF CONSTRUCTION SITE



DUMPSTER FOR TRUCK WASH OUT



LOOKING AT TURBID WATER IN HDS



LOOKING SOUTH AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, August 4, 2016**
Time:	**1:10 PM**
Weather:	**89 Degrees and Sunny**
Last rain event:	**0.96 on 2016.08.03**
Last one inch rainfall:	**1.21 on 2016.07.25**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 29, 2016**



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Inspector's Summary:

Excavation continues on the site. At this time, the lake has a minor amount of sediment encroachment from this site and HDS continues to capture sediment from the site.

Water from the site is being pumped off and drained through a filter bag before being discharged into the storm sewer system. Sediment that is not collected by the bag, is being captured with filter socks installed along the entrance driveway and filter fabric installed at the inlet located East of the EAB.

Work is winding down on the installation of the downstream defender located by rain garden # A. Since they have the equipment on site, Castle Company will start on the renovation of the rain garden. They will be removing the first 6 inches of rock and soil in the area that was covered with sediment, when the HDS was overfilled. Additional soil, around the outflow pipe of the HDS may need to be removed, StormwaterStl will be on sight to check on the progress of the excavation.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING

Action Items Identified During This Inspection:

Curb Inlet 23K2-0374D (Parking Lot)	Remove built up sediment around filter sock

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **MONITOR sediment on West parking lot leaving the construction site**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric as needed**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **Remove sediment in front of curb inlet 23 k2-0374D**
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on August 12, 2016

Since the last inspection the HDS has stayed the same at .23" of sediment since being vacuumed and the lake FES has picked up a 1/4 inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

August 4, 2016

Date

Steven W. Polk

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

August 4, 2016

INLET PROTECTION IN PLACE



LOOKING AT THE DOWNSTREAM DEFENDER PROJECT



REMOVE SEDIMENT AROUND CURB INLET



FES AT LAKE



LOOKING WEST AT MIDDLE OF CONSTRUCTION SITE



INLET PROTECTION IN PLACE



LOOKING NORTH AT CONSTRUCTION SITE ENTRANCE



DEWATERING TANK BY INLET # 1



PICTURE OF NEW DOWNSTREAM DEFENDER



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Monday, August 15, 2016**
Time:	**12:00 PM**
Weather:	**78 Degrees and Cloudy**
Last rain event:	**2.52 inches on 2016.08.15**
Last one inch rainfall:	**2.52 inches on 2016.08.15**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, August 11, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site.

The site has taken on an enormous amount of water. There is aproximately 3 ft of water in level O that is being pumped off and drained through filter bags before being discharged into the storm sewer system. Sediment that is not collected by the bag is being captured with filter socks, and hay bales installed along the construction site driveway, from the site entrance down to Garden Avenue.

The silt fencing below the new downstream defender has failed along the rock wall and is undermined on the north side of the headwall. Sediment has encroached into the rain garden- See Photos

The silt fencing will need to be repaired and some other type of BMP is recommended to capture the sediment before it gets to the basin.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING

Action Items Identified During This Inspection:

Curb Inlet # 23K2-253D (Garden Ave)	Replace missing inlet protection.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **MONITOR sediment on West parking lot leaving the construction site**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- **REMOVE AND REPLACE filter fabric as needed**
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - **Replace missing inlet protection at 23K2-253D (Garden Ave)**
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required AR = Action Required

Next inspection scheduled on August 18, 2016

K2-

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

August 15, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

August 15, 2016

FES AT LAKE



SEDIMENT ENCROACHMENT INTO RAIN GARDEN A



REPAIR UNDERMINED SILT FENCING BELOW DOWNSTREAM DEFENDER



WATER BEING PUMPED THOUGH FILTER BAG



REPLACE MISSING INLET PROTECTION



LOOKING NW AT MIDDLE OF CONSTRUCTION SITE



LOOKING SOUTH AT THE MIDDLE OF THE CONSTRUCTION SITE



LOOKING SW AT MIDDLE OF THE CONSTRUCTION SITE



WATER AFTER BEING FILTERED THROUGH BAG AND FILTER SOCKS



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, August 18, 2016**
Time:	**1:35 PM**
Weather:	**87 degrees and Sunny**
Last rain event:	**2.52 inches on 2016.08.15**
Last one inch rainfall:	**2.52 inches on 2016.08.15**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Monday, August 15, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

The site has taken on an enormous amount of water this past week. Pumping of water from the site continues at a slower pace. There are still some pockets of water being pumped from the site through filter bags, filtersocks and hay bales before being discharged in to the sewer system and lake.

The bulk of the sediment that entered the rain garden has been dug out. There is a small area that of rock that still needs to be cleaned. Mulch has been added to the hill where the downstream defender was installed to help stop the flow of sediment from entering the rain garden.

The silt fencing installed below the defender needs to be removed and replaced. There is a gap between the wall and the fence that will allow sediment and mulch into the garden. Other parts of the fence were not repaired properly they were just backfilled with mulch instead of being buried according to county SWPPP regulations.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet # 23K2-253D (Garden Ave)	Replace missing inlet protection -- NOT COMPLETED
Area below downstream defender	Remove and Replace silt fence according to City of Webster Groves regulations -- NOT COMPLETED

Action Items Identified During This Inspection:

Curb Inlet 23K2-0374D	Remove sediment in front of silt sock

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected
Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected
Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected
Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected
Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE missing inlet protection at 23K2-253D (Garden Ave)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE sediment built up in front of curb Inlet 23K2-0374D - (parking lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE and REPLACE silt fencing below downstream defender
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on August 25, 2016

The HDS stayed the same at 23 inches of sediment since being vacuumed- The downstream defender is the same, the FES at the lake is now at 4 1/4 inches

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

August 18, 2016 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

August 18, 2016

FES AT LAKE



FINISH CLEANING RAIN GARDEN



REPAIR UNDERMINED SILT FENCING BELOW DOWNSTREAM DEFENDER



REINSTALL SILT FENCE



REPLACE MISSING INLET PROTECTION



LOOKING NORTH AT MIDDLE OF CONSTRUCTION SITE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



REMOVE SEDIMENT IN FROM OF INLET



WATER AFTER BEING FILTERED THROUGH BAG AND FILTER SOCKS



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, August 26, 2016**
Time:	**10:45 AM**
Weather:	**81 Degrees and Partly Cloudy**
Last rain event:	**0.03 inches on 2016.08.23**
Last one inch rainfall:	**2.52 inches on 2016.08.15**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, August 18, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

The bulk of the sediment that entered the rain garden has been dug out. There is a small area that of rock that still needs to be cleaned. Mulch has been added to the hill where the downstream defender was installed to help stop the flow of sediment from entering the rain garden.

The silt fencing installed below the defender needs to be removed and replaced. There is a gap between the wall and the fence that will allow sediment and mulch into the garden. Other parts of the fence were not repaired properly, they were just backfilled with mulch instead of being buried according to the City of Webster Groves SWPPP regulations.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet # 23K2-253D (Garden Ave)	Replace missing inlet protection -- NOT COMPLETED
Area below downstream defender	Remove and Replace silt fence according to City of Webster Groves regulations -- NOT COMPLETED
Curb Inlet 23K2-0374D	Remove sediment in front of silt sock -- ON GOING

Action Items Identified During This Inspection:

There were no action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE missing inlet protection at 23K2-253D (Garden Ave)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE sediment built up in front of curb Inlet 23K2-0374D - (parking lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE and REPLACE silt fencing below downstream defender
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on September 6, 2016

The HDS stayed the same at 23 inches of sediment since being vacuumed- The downstream defender is the same, the FES at the lake is now at 4 3/4 inches

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

August 26, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

August 26, 2016

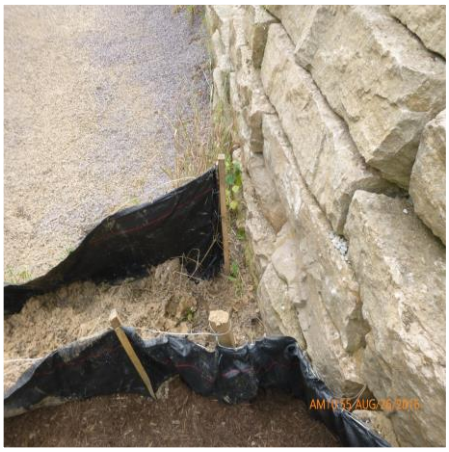
FES AT LAKE



LOOKING AT MINOR SEDIMENT ON TOP OF ROCK IN RAIN GARDEN



REINSTALL SILT FENCING BELOW DOWNSTREAM DEFENDER



PICTURE OF TURBID WATER IN HDS



REPLACE MISSING INLET PROTECTION (GARDEN AVENUE)



LOOKING SOUTH AT MIDDLE OF CONSTRUCTION SITE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



REMOVE SEDIMENT IN FROM OF INLET



REPLACE FILTER FABRIC AS NEEDED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
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2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, September 7, 2016**
Time:	**11:10 AM**
Weather:	**85 Degrees and Sunny**
Last rain event:	**0.19 on 2016.09.06**
Last one inch rainfall:	**2.52 inches on 2016.08.15**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, August 26, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

The silt fencing installed below the downstream defender needs to be removed and replaced. There is a gap between the wall and the fence that will allow sediment and mulch into the garden. Other parts of the fence were not repaired properly, they were just backfilled with mulch instead of being buried according to the City of Webster Groves SWPPP regulations.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet # 23K2-253D (Garden Ave)	Replace missing inlet protection -- NOT COMPLETED
Area below downstream defender	Remove and Replace silt fence according to City of Webster Groves regulations -- NOT COMPLETED
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans - REPLACE missing inlet protection at 23K2-253D (Garden Ave)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE sediment built up in front of curb Inlet 23K2-0374D - (parking lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE and REPLACE silt fencing below downstream defender
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on September 14, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender stayed the same Zero inches of sediment
Fes at lake stayed the same at 4 3/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

September 7, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

September 7, 2016

FES AT LAKE



LOOKING SOUTH AT LAKE



REINSTALL SILT FENCING BELOW DOWNSTREAM DEFENDER



PICTURE OF TURBID WATER IN HDS



REPLACE MISSING INLET PROTECTION (GARDEN AVENUE)



LOOKING SOUTH AT MIDDLE OF CONSTRUCTION SITE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



REMOVE SEDIMENT IN FROM OF INLET



REPLACE FILTER FABRIC AS NEEDED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall & Weekly**
Inspection Date:	**Tuesday, September 13, 2016**
Time:	**12:30 PM**
Weather:	**81 Degrees and Sunny**
Last rain event:	**1.41 on 2016.09.10**
Last one inch rainfall:	**1.41 on 2016.09.10**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, September 7, 2016**



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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

Part of the silt fencing installed below the downstream defender was repaired, however the lower fence that is installed is not installed properly, it has gaps at each end that will allow rain water and sediment to flow around it. The fence needs to be tight against the retaining wall and the other end needs to be tight up against the rock in the rain garden. A small amount of sediment from the last few days of rain has once again encroached into the rain garden.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet # 23K2-253D (Garden Ave)	Replace missing inlet protection -- COMPLETED
Area below downstream defender	Remove and Replace silt fence according to City of Webster Groves regulations -- NOT COMPLETED
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING

Action Items Identified During This Inspection:

Silt fence below downstream defender.	Repair lower part of fencing

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE sediment built up in front of curb inlet 23K2-0374D (parking lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REPAIR lower portion of silt fence below downstream defender
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on September 20, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender stayed the same Zero inches of sediment
Fes at lake stayed the same at 4 3/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

September 13, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

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September 13, 2016

FES AT LAKE



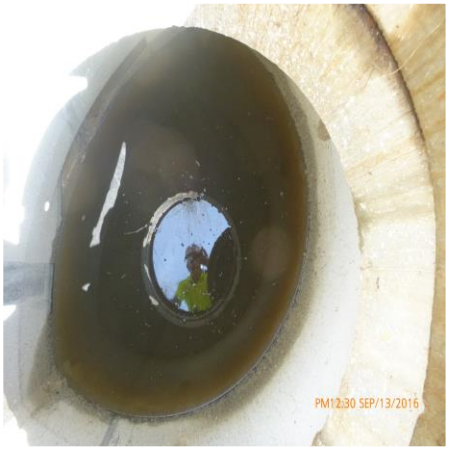
LOOKING SOUTH AT LAKE



REINSTALL LOWER PORTION OF FENCE



PICTURE OF TURBID WATER IN HDS



INLET PROTECTION IN PLACE (GARDEN AVENUE)



MONITOR SEDIMENT AT CONSTRUCTION SITE ENTRANCE BIG BEND



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



REMOVE SEDIMENT IN FROM OF INLET



REPLACE FILTER FABRIC AS NEEDED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
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Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, September 20, 2016**
Time:	**2:20 PM**
Weather:	**85 Degrees and Sunny**
Last rain event:	**1.41 on 2016.09.10**
Last one inch rainfall:	**1.41 on 2016.09.10**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, September 13, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

Part of the silt fencing installed below the downstream defender was repaired, however the lower fence that is installed is still not installed properly, it has gaps at each end that will allow rain water and sediment to flow around it. The fence needs to be tight against the retaining wall and the other end needs to be tight up against the rock in the rain garden. A small amount of sediment from the last few days of rain has once again encroached into the rain garden.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING
Silt fence below downstream defender.	Repair lower part of fencing -- NOT COMPLETED

Action Items Identified During This Inspection:

No new action items were identified a this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans - REMOVE sediment built up in front of curb inlet 23K2-0374D (parking lot)
AR	Site in compliance with Land Disturbance Code/Approved Plans - REPAIR lower portion of silt fence below downstream defender
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on September 27, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender stayed the same Zero inches of sediment
Fes at lake stayed the same at 4 3/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

September 20, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

September 20, 2016

FES AT LAKE



LOOKING SOUTH AT LAKE



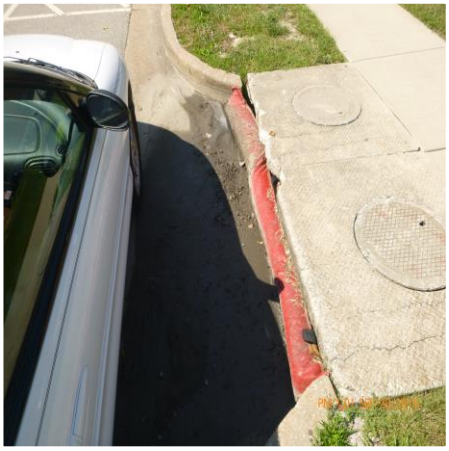
REINSTALL LOWER PORTION OF SILT FENCE



PICTURE OF DOWNSTREAM DEFENDER



INLET PROTECTION IN PLACE (GARDEN AVENUE)



MONITOR SEDIMENT AT CONSTRUCTION SITE ENTRANCE BIG BEND



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



REMOVE SEDIMENT IN FROM OF INLET



REPLACE FILTER FABRIC AS NEEDED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, September 30, 2016**
Time:	**2:05 PM**
Weather:	**66 Degrees and Cloudy**
Last rain event:	**0.08 on 2016.09.26**
Last one inch rainfall:	**1.32 on 2016.09.16**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, September 20, 2016**



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Inspector(s):	**Steven W. Polk, PE**
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Company:	**Stormwater STL LLC**
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E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

Part of the silt fencing installed below the downstream defender was repaired, however the lower fence is still not installed properly, it has gaps at each end that will allow rain water and sediment to flow around it. The fence needs to be tight against the retaining wall on the South and needs to be tight up against the large rocks on the North.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING
Silt fence below downstream defender.	Repair lower part of fencing -- NOT COMPLETED

Action Items Identified During This Inspection:

No new action items were identified a this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans - REPAIR lower portion of silt fence below downstream defender
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on October 7, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 1/2 inch of sediment
The FES at the lake is at 4 1/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

September 30, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

September 30, 2016

FES AT LAKE



LOOKING SOUTH AT LAKE



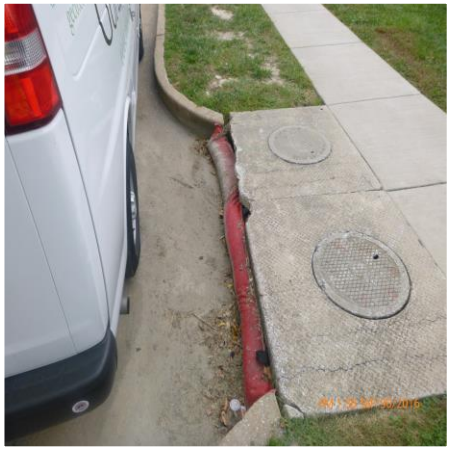
REINSTALL LOWER PORTION OF SILT FENCE



PICTURE OF DOWNSTREAM DEFENDER



INLET PROTECTION IN PLACE (GARDEN AVENUE)



INLET PROTECTION IN PLACE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



LOOKING SOUTH AT CONSTRUCTION DRIVEWAY ENTRANCE



MONITOR SEDIMENT ENCROACHMENT IN RAIN GARDEN



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Engineer
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, October 7, 2016**
Time:	**11:50 AM**
Weather:	**70 Degrees and Cloudy**
Last rain event:	**0.04 on 2016.09.30**
Last one inch rainfall:	**1.32 on 2016.09.16**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, September 30, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

The silt fencing below the downstream defender has been repaired. Planting of the rain garden and hillside is expected to take place within the next few weeks.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING
Silt fence below downstream defender.	Repair lower part of fencing -- COMPLETED

Action Items Identified During This Inspection:

No new action items were identified a this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on October 14, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 1 inch of sediment
The FES at the lake is at 4 1/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

October 7, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

September 30, 2016

FES AT LAKE



LOOKING SOUTH AT LAKE



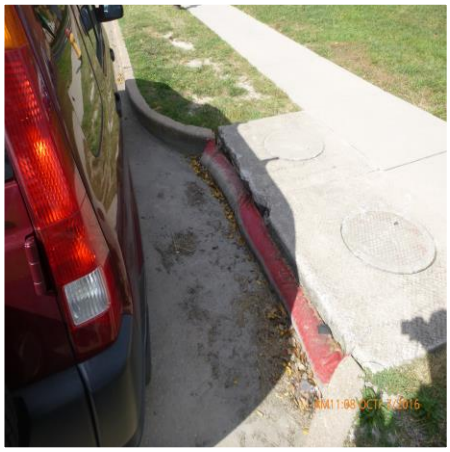
SILT FENCE REPAIRED AT RAIN GARDEN



LOOKING AT TURBID WATER INSIDE HDS



INLET PROTECTION IN PLACE GARDEN AVENUE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



LOOKING SOUTH AT CONSTRUCTION DRIVEWAY ENTRANCE



LOOKING AT IDLE OF RAIN GARDEN



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, October 13, 2016**
Time:	**2:30 PM**
Weather:	**57 Degrees and Sunny**
Last rain event:	**0.06 on 2016.10.12**
Last one inch rainfall:	**1.32 on 2016.09.16**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, October 7, 2016**



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License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. At this time the lake has a minor amount of sediment encroachment from this site. See bottom of page.

Planting of the rain garden is taking place. StormwaterSTL asked the contractor to reinstall the lower portion of the silt fence and let it remain in the garden until the hill has stabilized and the plants have taken hold. The mulch on the hill around the new downstream defender was removed, plants are being added and the hill is being cover with rock.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING

Action Items Identified During This Inspection:

No new action items were discovered at this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans -
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on October 20, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 1 inch of sediment
The FES at the lake is at 4 1/4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

October 13, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

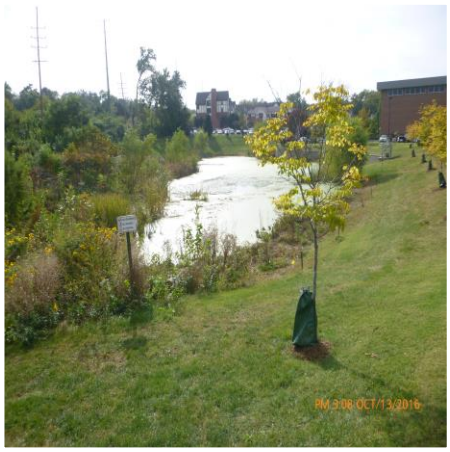
WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

October 13, 2016

FES AT LAKE



LOOKING SOUTH AT LAKE



REPLANTING OF THE RAIN GARDEN



PLANTS AND ROCK BEING ADDED ON HILL ABOVE RAIN GARDEN



MONITOR SEDIMENT AT INLET PROTECTION



INLET PROTECTION IN PLACE



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



LOOKING SOUTH AT CONSTRUCTION DRIVEWAY ENTRANCE



REINSTALL SILT FENCE UNTIL HILL HAS STABILIZED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly & Rainfall**
Inspection Date:	**Thursday, October 20, 2016**
Time:	**2:35 PM**
Weather:	**64 Degrees, Partly Cloudy**
Last rain event:	**2.48 Inches on 2016.10.19**
Last one inch rainfall:	**2.48 Inches on 2016.10.19**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, October 13, 2016**



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License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspect
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Inspector's Summary:

Construction of the site continues.

Planting of the rain garden has finished, the silt fence will be left in place until the hill has stabilized.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Curb Inlet 23K2-0374D (parking lot)	Remove sediment in front of silt sock -- ON GOING

Action Items Identified During This Inspection:

Double curb inlet (parking lot)	Remove sediment from in front of inlet
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet
Double grate inlet (East of EAB building)	Pin or weigh down silt sock, Replace filter fabric

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- REMOVE sediment in front of Dbl Curb Inlet (parking lot)
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- REMOVE sediment in front of Dbl Curb Inlet (Garden Avenue)
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Pin or weigh down filter sock - Replace filter fabric Grate inlet East of EAB
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on October 27, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 1 inch of sediment
The FES # 28 at the lake is at zero inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

October 20, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

October 20, 2016

FES # 28 AT LAKE



LOOKING SOUTH AT LAKE



NEW PLANTS IN RAIN GARDEN A



REMOVE SEDIMENT FROM IN FRONT OF INLET PARKING LOT



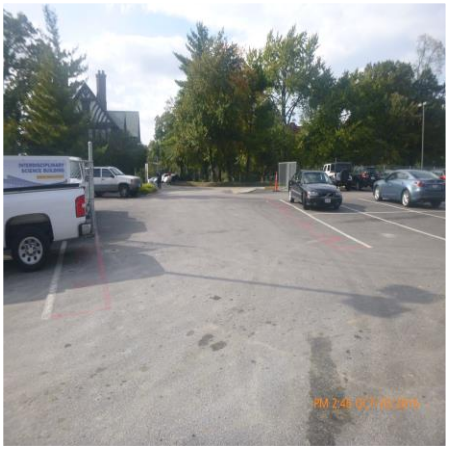
REMOVE SEDIMENT FROM IN FRONT OF INLET GARDEN AVENUE



SILT FENCE IN PLACE IN RAIN GARDEN



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



LOOKING SOUTH AT CONSTRUCTION DRIVEWAY ENTRANCE



PIN OR WEIGH DOWN SILT SOCK, REPLACE FILTER FABRIC



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, October 27, 2016**
Time:	**10:45 AM**
Weather:	**56 Degrees and Cloudy**
Last rain event:	**0.02 inches on 2016.10.26**
Last one inch rainfall:	**2.48 Inches on 2016.10.19**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, October 20, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double grate inlet (East of EAB building)	Pin or weigh down silt sock, Replace filter fabric -- COMPLETED
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- COMPLETED
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- COMPLETED

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on November 3, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 3 inches of sediment
The FES # 28 at the lake 1/4 of an inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

October 27, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

October 27, 2016

FES # 28 AT LAKE



LOOKING AT TURBID WATER IN HDS



VIEW OF NEW PLANTS IN RAIN GARDEN A



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



VIEW OF TURBID WATER IN HDS



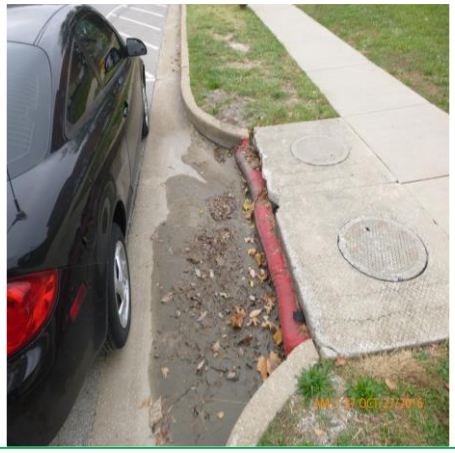
SILT FENCE IN PLACE IN RAIN GARDEN



LOOKING NORTH AT CONSTRUCTION SITE ENTRANCE



INLET PROTECTION IN PLACE



PIN OR WEIGH DOWN SILT SOCK, REPLACE FILTER FABRIC



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly & Rainfall**
Inspection Date:	**Friday, November 4, 2016**
Time:	**10:15 AM**
Weather:	**58 Degrees and Sunny**
Last rain event:	**2.11 Inches on 2016.11.02**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, October 27, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspect
Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE sediment in front of inlets
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on November 11, 2016

HDS stayed the same at 23 inches of sediment
Downstream Defender has a 3 inches of sediment
The FES # 28 at the lake 1/4 of an inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

November 4, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

November 4, 2016

FES # 28 AT LAKE



VIEW OF DOWNSTREAM DEFENDER



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



VIEW OF TURBID WATER IN HDS



SILT FENCE IN PLACE IN RAIN GARDEN



LOOKING SOUTH AT CONSTRUCTION SITE ENTRANCE



INLET PROTECTION IN PLACE



REPLACE FILTER FABRIC AS NEEDED



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Engineer
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Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Monday, November 14, 2016**
Time:	**12:50 PM**
Weather:	**66 Degrees and Sunny**
Last rain event:	**0.07 Inches on 2016.11.08**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, November 4, 2016**



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Inspector's Summary:

Construction of the site continues. Since there has been no significant changes in the past months to the HDS and the Downstream Defender located at the rain garden, we will now take measurements once a month instead of every week. If we incur a heavy amount of rainfall, a special measurement of the systems will be taken.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE sediment in front of inlets
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on November 21, 2016

As of November 4, 2016
HDS is at 23 inches of sediment
Downstream Defender has 3 inches of sediment
The FES # 28 at the lake has a 1/4 of an inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

November 14, 2016 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

November 14, 2016

INLET PROTECTION IN PLACE



FES AT LAKE



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT PARKING LOT LEAVING CONSTRUCTION SITE



LOOKING SOUTH AT LAKE



REMOVE SEDIMENT FROM IN FRONT OF CURB INLET



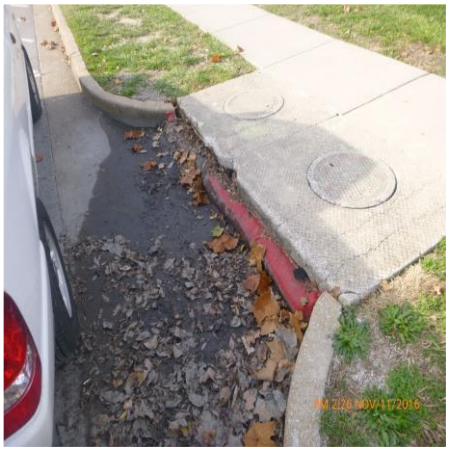
LOOKING SOUTH AT CONSTRUCTION SITE ENTRANCE



LOOKING WEST AT CONSTRUCTION SITE ENTRANCE



REMOVE SILT FROM IN FRONT OF CURB INLET GARDEN AVENUE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
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2016.11.22	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, November 22, 2016**
Time:	**3:30 PM**
Weather:	**50 Degrees and Cloudy**
Last rain event:	**0.21 Inches on 2016.11.18**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Monday, November 14, 2016**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE sediment in front of inlets: parking lot and Garden Avenue
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on November 29, 2016

As of November 4, 2016
HDS is at 23 inches of sediment
Downstream Defender has 3 inches of sediment
The FES # 28 at the lake has a 1/4 of an inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

November 22, 2016 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

November 22, 2016

LOOKING EAST AT LAKE	INLET PROTECTION IN PLACE	VIEW OF RAIN GARDEN A
		
MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE	REMOVE SEDIMENT IN FRONT OF CURB INLET	LOOKING EAST AT MIDDLE OF CONSTRUCTION SITE
		

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, November 29, 2016**
Time:	**3:30 PM**
Weather:	**58 Degrees and Partly Cloudy**
Last rain event:	**0.28 Inches on 2016.11.28**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, November 22, 2016**



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Inspector(s):	**Steven W. Polk, PE**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on December 6, 2016

As of November 4, 2016
HDS is at 23 inches of sediment
Downstream Defender has 3 inches of sediment
The FES # 28 at the lake has a 1/4 of an inch of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

November 29, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

November 29, 2016

CURB INLET PROTECTION IN PLACE



REPLACE FILTER FABRIC AS NEEDED



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



MONITOR SEDIMENT AT SITE ENTRANCE



LOOKING NORTH AT SITE DRIVEWAY ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, December 8, 2016**
Time:	**8:30 AM**
Weather:	**31 Degrees and Sunny**
Last rain event:	**0.27 Inches on 2016.12.04**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, November 29, 2016**



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E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on December 15, 2016

As of November 4, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

December 8, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

December 8, 2016

FES AT LAKE



REPLACE FILTER FABRIC AS NEEDED



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT ON PARKING LOT LEAVING CONSTRUCTION SITE



MONITOR SEDIMENT AT CURB INLET



LOOKING NORTH AT SITE DRIVEWAY ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, December 15, 2016**
Time:	**11:45 PM**
Weather:	**23 Degrees and Cloudy**
Last rain event:	**0.02 Inches on 2016.12.13**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, December 8, 2016**



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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on December 22, 2016

As of December 15, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

December 15, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

December 15, 2016

LOOKING AT TURBID WATER IN THE HDS



LOOKING INSIDE THE DOWNSTREAM DEFENDER



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT CURB INLET (GARDEN AVENUE)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



LOOKING SOUTH AT SITE DRIVEWAY ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
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201608.18	SWPPP Inspection
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2016.09.13	SWPPP Weekly & Rainfall
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2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, December 21, 2016**
Time:	**9:15 AM**
Weather:	**28 Degrees and Sunny**
Last rain event:	**0.06 Inches on 2016.12.17**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, December 15, 2016**



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E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on December 28, 2016

As of December 15, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

December 21, 2016 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

December 21, 2016

LOOKING SOUTHWEST AT LAKE



LOOKING AT SITE ENTRANCE FROM GARDEN AVENUE



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT CURB INLET (GARDEN AVENUE)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
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2016.04.19	SWPPP Inspection
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2016.09.30	SWPPP Inspection
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2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, December 29, 2016**
Time:	**11:00 AM**
Weather:	**45 Degrees and Sunny**
Last rain event:	**0.42 Inches on 2016.12.26**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, December 21, 2016**



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Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

Inlet 23K7-0407D (south of sidewalk)	Install protection around inlet

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K7-0407D
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on January 4, 2017

As of December 21, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

December 29, 2016

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

December 29, 2016

ADD PROTECTION TO INLET # 19 SOUTH OF SIDEWALK BY STAIRWELL



LOOKING AT SITE ENTRANCE FROM GARDEN AVENUE



VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT CURB INLET (GARDEN AVENUE)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



ADD INLET PROTECTION TO 23K2-0407D



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
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Record Start Date: **April 12, 2016**



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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
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2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, January 4, 2017**
Time:	**10:00 AM**
Weather:	**19 Degrees and Sunny**
Last rain event:	**0.04 Inches on 2017.01.05**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, December 29, 2016**



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Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING
Inlet 23K7-0407D (south of sidewalk)	Install protection around inlet -- NOT COMPLETED

Action Items Identified During This Inspection:

No new action items were identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
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Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K7-0407D
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
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January 4, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

January 4, 2017

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ADD PROTECTION TO INLET # 23K2-0407D SOUTH OF SIDEWALK



VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE



MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



VIEW OF DRIVEWAY ENTRANCE FROM BIG BEND BLVD



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

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Inspection Date:	**Wednesday, January 11, 2017**
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Weather:	**51 Degrees and Partly Cloudy**
Last rain event:	**0.01 Inches on 2017.01.10**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, January 4, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING
Inlet 23K7-0407D (south of sidewalk)	Install protection around inlet -- COMPLETED

Action Items Identified During This Inspection:

Inlet 23K2-0406D	Install protection when work is finished

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Correction of deficiencies required (see Action
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K2-0406D When completed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on January 18, 2017

As of December 21, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

January 11, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

January 11, 2017

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ADD INLET PROTECTION TO 23K2-0406D WHEN PROJECT IS FINISHED



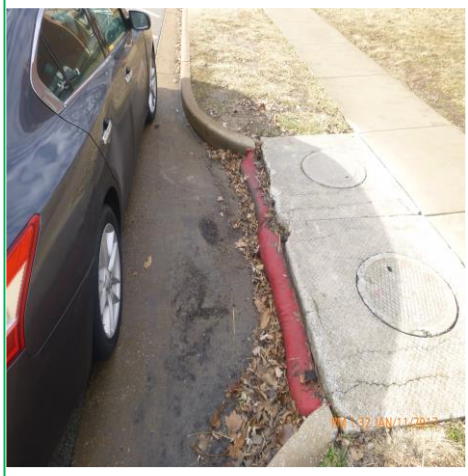
INLET PROTECTION IN PLACE



PICTURE OF RAIN GARDEN



MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



LOOKING SOUTH AT DRIVEWAY SITE ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
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Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, January 17, 2017**
Time:	**1:45 PM**
Weather:	**46 Degrees and Partly Cloudy**
Last rain event:	**0.11 Inches on 2017.01.16**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, January 11, 2017**



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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Avenue)	Remove sediment from in front of inlet -- ONGOING
Double curb inlet (parking lot)	Remove sediment from in front of inlet -- ONGOING
Inlet 23K2-0406D	Install protection when work is finished- ONGOING

Action Items Identified During This Inspection:

Driveway from Big Bend to site	MONITOR rock and sediment leaving site.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on and rock leaving the construction site (Big Bend Driveway)
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K2-0406D When completed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on January 25, 2017

As of December 21, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 3 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

January 17, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

January 17, 2017

ADD INLET PROTECTION TO 23K2-0406D WHEN PROJECT IS FINISHED



PICTURE OF RAIN GARDEN



LOOKING NORTH AT DRIVEWAY ENTRANCE



MONITOR SEDIMENT IN DRIVEWAY (BIG BEND)



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



MONITOR SEDIMENT AT CURB INLET (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, January 25, 2017**
Time:	**1:00 PM**
Weather:	**49 Degrees and Sunny**
Last rain event:	**0.37 Inches on 2017.01.19**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, January 18, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Driveway from Big Bend to site entrance	Remove rock and sediment leaving site - ONGOING
Inlet 23K2-0406D	Install protection when work is finished- ONGOING

Action Items Identified During This Inspection:

There were no new action identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on and rock leaving the construction site (Big Bend Driveway)
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K2-0406D When completed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on February 1, 2017

As of December 25, 2016
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

January 25, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

January 25, 2017

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ADD INLET PROTECTION TO 23K2-0406D WHEN PROJECT IS FINISHED



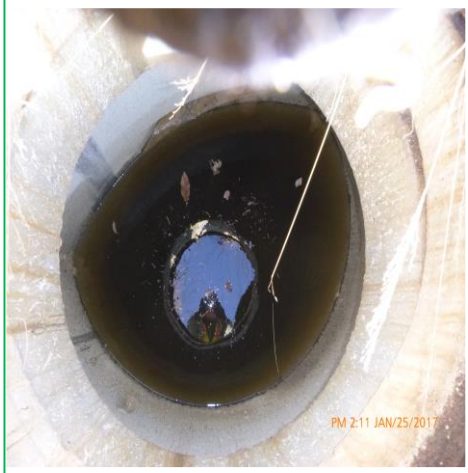
FES AT LAKE



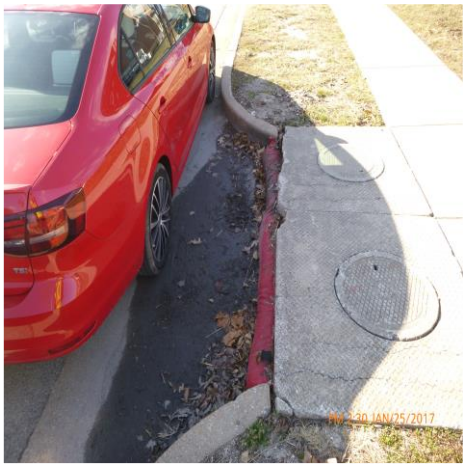
PICTURE OF DOWNSTREAM DEFENDER



PICTURE OF HDS



REMOVE SEDIMENT AT INLET (GARDEN AVE) AND AREA OF GRASS



REMOVE SEDIMENT AND DEBRIS AT INLET (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
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2016.04.19	SWPPP Inspection
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2016.05.11	SWPPP Inspection
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2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
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2016.08.15	Rainfall Inspection
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2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
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2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, January 31, 2017**
Time:	**10:10 AM**
Weather:	**48 Degrees and Sunny**
Last rain event:	**0.37 Inches on 2017.01.19**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, January 25, 2017**



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This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Driveway from Big Bend to site entrance	Remove rock and sediment leaving site - ONGOING
Inlet 23K2-0406D	Install protection when work is finished- ONGOING

Action Items Identified During This Inspection:

Curb Inlets (parking lot & Garden Avenue)	Remove sediment from in front of inlets

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on and rock leaving the construction site (Big Bend Driveway)
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection around inlet 23K2-0406D When completed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on February 8, 2017

As of January 25, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

January 31, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

January 31, 2017

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ADD INLET PROTECTION TO 23K2-0406D WHEN PROJECT IS FINISHED



PICTURE OF RAIN GARDEN



LOOKING SOUTHWEST AT LAKE



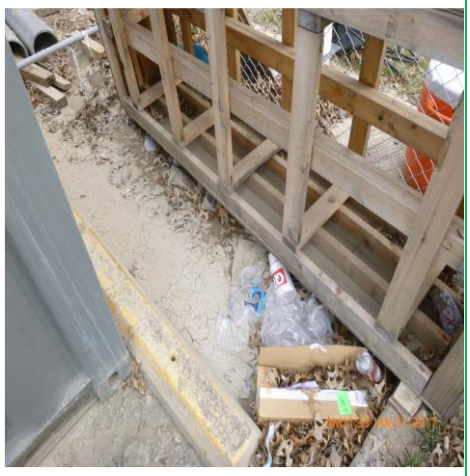
MONITOR ROCK AND SEDIMENT ON DRIVEWAY ENTRANCE



REMOVE SEDIMENT AT INLET (GARDEN AVE) AND AREA OF GRASS



REMOVE SEDIMENT AND DEBRIS AT INLET (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, February 7, 2017**
Time:	**10:45 AM**
Weather:	**64 Degrees and Sunny**
Last rain event:	**0.37 Inches on 2017.01.19**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, February 7, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet --COMPLETED / ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:

Sediment leaving the land disturbance site

AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)

AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area

AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area (Parking Lot)
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs

NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on February 15, 2017

As of January 25, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

February 7, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

February 7, 2017

Stormwater STL LLC
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LOOKING AT RAIN GARDEN



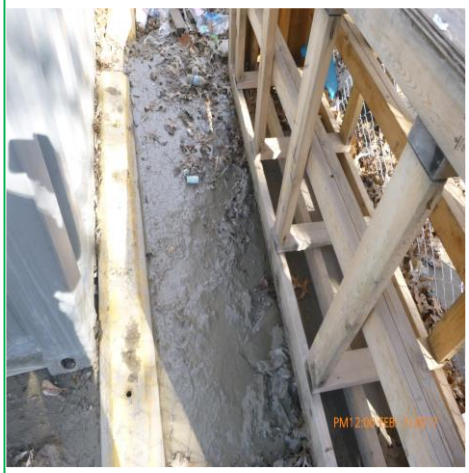
FILTER FABRIC IN PLACE INLET # 23K2-040D



MONITOR SEDIMENT LEAVING SITE (PARKING LOT)



REMOVE SEDIMENT AND DEBRIS FROM INLET (PARKING LOT)



LOOKING NORTH AT SITE DRIVEWAY ENTRANCE



LOOKING SOUTHWEST AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, February 14, 2017**
Time:	**12:40 PM**
Weather:	**55 Degrees and Sunny**
Last rain event:	**0.02 Inches on 2017.02.08**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, February 7, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on and rock leaving the construction site (Big Bend Driveway)
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on February 21, 2017

As of January 25, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 23 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

February 14, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

February 14, 2017

Stormwater STL LLC
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LOOKING EAST AT LAKE



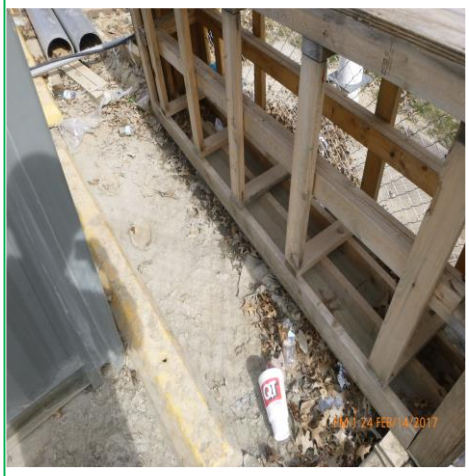
INLET PROTECTION IN PLACE (GARDEN AVENUE)



PICTURE OF RAIN GARDEN



REMOVE SEDIMENT AND DEBRIS FROM INLET (PARKING LOT)



INLET PROTECTION IN PLACE



LOOKING NORTH AT SITE ENTRANCE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
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2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, February 23, 2017**
Time:	**12:50 PM**
Weather:	**67 Degrees and Sunny**
Last rain event:	**0.43 Inches on 2017.02.21**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, February 14, 2017**



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Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on and rock leaving the construction site (Big Bend Driveway)
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on March 2, 2017

As of February 23, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 2 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

February 23, 2017

Steven W. Polk

Date

Steven W. Polk, PE

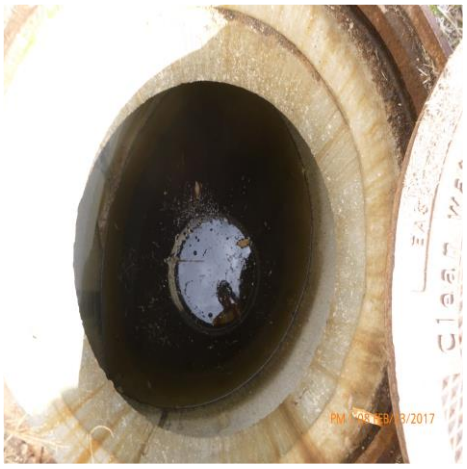
No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

February 23, 2017

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VIEW OF TURBID WATER IN HDS



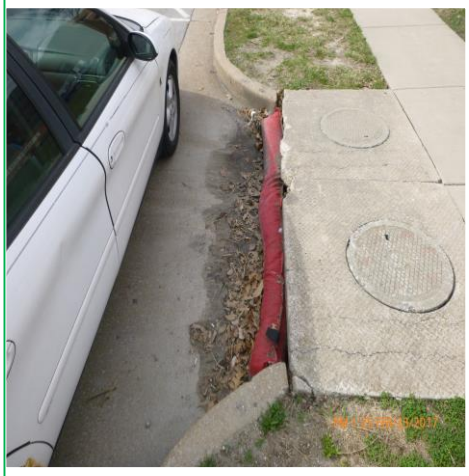
INSIDE VIEW OF DOWNSTREAM DEFENDER



PICTURE OF RAIN GARDEN



INLET PROTECTION IN PLACE (GARDEN AVENUE)



VIEW OF SITE ENTRANCE (GARDEN AVENUE)



MONITOR SEDIMENT LEAVING SITE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection
2017.03.01	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, March 1, 2017**
Time:	**1:00 PM**
Weather:	**50 Degrees and Sunny**
Last rain event:	**0.02 Inches on 2017.02.27**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, February 23, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

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Inspector's Summary:

Construction of the site continues. Manholes # 2, 3 and 5, and inlets # 4 & 6 are being installed.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

Inlets # 4 & 6	ADD protection to all new inlets that allow stormwater to leave the site

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on March 8, 2017

As of February 23, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 2 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 1, 2017

Steven W. Polk

Date

Steven W. Polk, PE

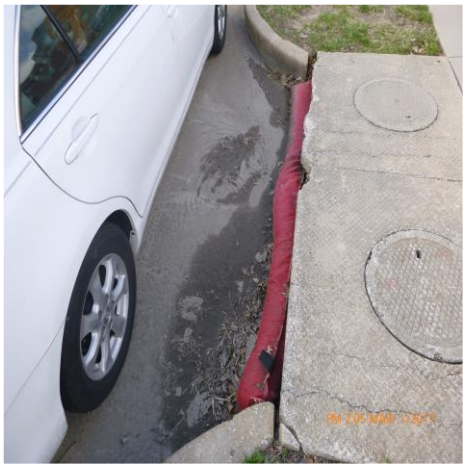
No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 1, 2017

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INLET PROTECTION IN PLACE
GARDEN AVENUE



LOOKING NORTH AT SITE ENTRANCE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT LEAVING SITE
(PARKING LOT)



VIEW OF RAIN GARDEN



MONITOR SEDIMENT AT CURB INLET
(PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection
2017.03.01	SWPPP Inspection
2017.03.08	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, March 8, 2017**
Time:	**1:00 PM**
Weather:	**62 Degrees and Sunny**
Last rain event:	**0.44 Inches on 2017.03.07**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, March 1, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on March 15, 2017

As of February 23, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 2 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 8, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 8, 2017

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INLET PROTECTION IN PLACE
GARDEN AVENUE



LOOKING NORTH AT SITE ENTRANCE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT LEAVING SITE
(PARKING LOT)



VIEW OF RAIN GARDEN



MONITOR SEDIMENT AT CURB INLET
(PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
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2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection
2017.03.01	SWPPP Inspection
2017.03.08	SWPPP Inspection
2017.03.15	SWPPP Inspection
2017.03.15	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, March 15, 2017**
Time:	**11:35 AM**
Weather:	**29 Degrees and Sunny**
Last rain event:	**0.18 Inches on 2017.03.13**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, March 8, 2017**



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Inspector(s):	**Steven W. Polk, PE**
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Company:	**Stormwater STL LLC**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on March 22, 2017

As of February 23, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 2 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 15, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 15, 2017

Stormwater STL LLC
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Engineer
Construct
Inspect
Maintain

LOOKING SOUTH AT LAKE



LOOKING WEST AT RAIN GARDEN



INLET PROTECTION IN PLACE



MONITOR SEDIMENT LEAVING SITE (PARKING LOT)



LOOKING SOUTH AT SITE ENTRANCE (BIG BEND)



LOOKING SOUTH AT SITE ENTRANCE DRIVEWAY



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection
2017.03.01	SWPPP Inspection
2017.03.08	SWPPP Inspection
2017.03.15	SWPPP Inspection
2017.03.15	SWPPP Inspection
2017.03.22	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, March 22, 2017**
Time:	**12:15 PM**
Weather:	**46 Degrees and Sunny**
Last rain event:	**0.08 Inches on 2017.03.17**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, March 15, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues. Some of the plants in the rain garden are starting to show signs of life. We will monitor them over the next few weeks to see if they all made it through the winter.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on March 29, 2017

As of February 23, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 2 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 22, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 22, 2017

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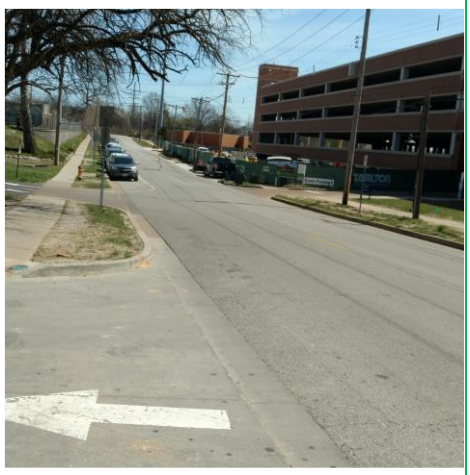
LOOKING SOUTH AT LAKE



LOOKING NORTH AT SITE ENTRANCE



LOOKING EAST AT SITE ENTRANCE (GARDEN AVENUE)



INLET PROTECTION IN PLACE



LOOKING NORTH AT SITE ENTRANCE (PARKING LOT)



LOOKING EAST AT RAIN GARDEN



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Inspection
2016.05.26	SWPPP Inspection
2016.06.05	SWPPP Inspection
2016.06.10	SWPPP Inspection
2016.06.16	SWPPP Inspection
2016.06.24	SWPPP Inspection
2016.07.01	SWPPP Inspection
2016.07.05	Rainfall Inspection
2016.07.05	SWPPP Inspection
2016.07.08	SWPPP Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Inspection
2016.07.22	SWPPP Inspection
2016.07.29	SWPPP Inspection
2016.08.04	SWPPP Inspection
2016.08.11	SWPPP Inspection
2016.08.15	Rainfall Inspection
201608.18	SWPPP Inspection
2016.08.26	SWPPP Inspection
2016.09.07	SWPPP Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Inspection
2016.09.30	SWPPP Inspection
2016.10.07	SWPPP Inspection
2016.10.13	SWPPP Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Inspection
2016.11.22	SWPPP Inspection
2016.11.29	SWPPP Inspection
2016.12.08	SWPPP Inspection
2016.12.15	SWPPP Inspection
2016.12.21	SWPPP Inspection
2016.12.29	SWPPP Inspection
2017.01.04	SWPPP Inspection
2017.01.11	SWPPP Inspection
2017.01.17	SWPPP Inspection
2017.01.25	SWPPP Inspection
2017.01.31	SWPPP Inspection
2017.02.07	SWPPP Inspection
2017.02.14	SWPPP Inspection
2017.02.23	SWPPP Inspection
2017.03.01	SWPPP Inspection
2017.03.08	SWPPP Inspection
2017.03.15	SWPPP Inspection
2017.03.15	SWPPP Inspection
2017.03.22	SWPPP Inspection
2017.03.29	SWPPP Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, March 29, 2017**
Time:	**12:00 PM**
Weather:	**56 Degrees and Cloudy**
Last rain event:	**0.33 Inches on 2017.03.27**
Last one inch rainfall:	**2.11 Inches on 2016.11.02**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, March 22, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 5, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 29, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 29, 2017

Stormwater STL LLC
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Engineer
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Inspect
Maintain

LOOKING AT TURBID WATER IN HDS



LOOKING AT INSIDE OF DOWNSTREAM DEFENDER



LOOKING EAST AT RAIN GARDEN A



INLET PROTECTION IN PLACE



LOOKING AT FES AT LAKE



LOOKING SOUTH AT SITE ENTRANCE DRIVEWAY



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection
2016.07.05	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Weekly Inspection
2016.07.22	SWPPP Weekly Inspection
2016.07.29	SWPPP Weekly Inspection
2016.08.04	SWPPP Weekly Inspection
2016.08.11	SWPPP Weekly Inspection
2016.08.15	SWPPP Weekly Inspection
201608.18	SWPPP Weekly Inspection
2016.08.26	SWPPP Weekly Inspection
2016.09.07	SWPPP Weekly Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Weekly Inspection
2016.09.30	SWPPP Weekly Inspection
2016.10.07	SWPPP Weekly Inspection
2016.10.13	SWPPP Weekly Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Weekly Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Weekly Inspection
2016.11.22	SWPPP Weekly Inspection
2016.11.29	SWPPP Weekly Inspection
2016.12.08	SWPPP Weekly Inspection
2016.12.15	SWPPP Weekly Inspection
2016.12.21	SWPPP Weekly Inspection
2016.12.29	SWPPP Weekly Inspection
2017.01.04	SWPPP Weekly Inspection
2017.01.11	SWPPP Weekly Inspection
2017.01.17	SWPPP Weekly Inspection
2017.01.25	SWPPP Weekly Inspection
2017.01.31	SWPPP Weekly Inspection
2017.02.07	SWPPP Weekly Inspection
2017.02.14	SWPPP Weekly Inspection
2017.02.23	SWPPP Weekly Inspection
2017.03.01	SWPPP Weekly Inspection
2017.03.08	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.22	SWPPP Weekly Inspection
2017.03.29	SWPPP Weekly Inspection
2017.03.31	SWPPP Rainfall Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Friday, March 31, 2017**
Time:	**12:10 PM**
Weather:	**47 Degrees and Cloudy**
Last rain event:	**1.17 Inches on 2017.03.30**
Last one inch rainfall:	**1.17 Inches on 2017.03.30**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, March 29, 2017**



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Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 5, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

March 31, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 31, 2017

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VIEW OF RAIN GARDEN A



LOOKING WEST AT SITE ENTRANCE (PARKING LOT)



LOOKING SOUTH AT SITE ENTRANCE



LOOKING EAST AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection
2016.07.05	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Weekly Inspection
2016.07.22	SWPPP Weekly Inspection
2016.07.29	SWPPP Weekly Inspection
2016.08.04	SWPPP Weekly Inspection
2016.08.11	SWPPP Weekly Inspection
2016.08.15	SWPPP Weekly Inspection
201608.18	SWPPP Weekly Inspection
2016.08.26	SWPPP Weekly Inspection
2016.09.07	SWPPP Weekly Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Weekly Inspection
2016.09.30	SWPPP Weekly Inspection
2016.10.07	SWPPP Weekly Inspection
2016.10.13	SWPPP Weekly Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Weekly Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Weekly Inspection
2016.11.22	SWPPP Weekly Inspection
2016.11.29	SWPPP Weekly Inspection
2016.12.08	SWPPP Weekly Inspection
2016.12.15	SWPPP Weekly Inspection
2016.12.21	SWPPP Weekly Inspection
2016.12.29	SWPPP Weekly Inspection
2017.01.04	SWPPP Weekly Inspection
2017.01.11	SWPPP Weekly Inspection
2017.01.17	SWPPP Weekly Inspection
2017.01.25	SWPPP Weekly Inspection
2017.01.31	SWPPP Weekly Inspection
2017.02.07	SWPPP Weekly Inspection
2017.02.14	SWPPP Weekly Inspection
2017.02.23	SWPPP Weekly Inspection
2017.03.01	SWPPP Weekly Inspection
2017.03.08	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.22	SWPPP Weekly Inspection
2017.03.29	SWPPP Weekly Inspection
2017.03.31	SWPPP Rainfall Inspection
2017.04.05	SWPPP Rainfall & Weekly Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall & Weekly**
Inspection Date:	**Wednesday, April 5, 2017**
Time:	**2:00 PM**
Weather:	**55 Degrees and Cloudy**
Last rain event:	**2.01 Inches on 2017.04.05**
Last one inch rainfall:	**2.01 Inches on 2017.04.05**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, March 31, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Engineer
Construct
Inspect
Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 12, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 5, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

April 5, 2017

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VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE (GARDEN AVENUE)



LOOKING NORTH AT SITE ENTRANCE



MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



INLET PROTECTION IN PLACE



LOOKING SOUTH AT LAKE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection
2016.07.05	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Weekly Inspection
2016.07.22	SWPPP Weekly Inspection
2016.07.29	SWPPP Weekly Inspection
2016.08.04	SWPPP Weekly Inspection
2016.08.11	SWPPP Weekly Inspection
2016.08.15	SWPPP Weekly Inspection
201608.18	SWPPP Weekly Inspection
2016.08.26	SWPPP Weekly Inspection
2016.09.07	SWPPP Weekly Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Weekly Inspection
2016.09.30	SWPPP Weekly Inspection
2016.10.07	SWPPP Weekly Inspection
2016.10.13	SWPPP Weekly Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Weekly Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Weekly Inspection
2016.11.22	SWPPP Weekly Inspection
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2016.12.15	SWPPP Weekly Inspection
2016.12.21	SWPPP Weekly Inspection
2016.12.29	SWPPP Weekly Inspection
2017.01.04	SWPPP Weekly Inspection
2017.01.11	SWPPP Weekly Inspection
2017.01.17	SWPPP Weekly Inspection
2017.01.25	SWPPP Weekly Inspection
2017.01.31	SWPPP Weekly Inspection
2017.02.07	SWPPP Weekly Inspection
2017.02.14	SWPPP Weekly Inspection
2017.02.23	SWPPP Weekly Inspection
2017.03.01	SWPPP Weekly Inspection
2017.03.08	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.22	SWPPP Weekly Inspection
2017.03.29	SWPPP Weekly Inspection
2017.03.31	SWPPP Rainfall Inspection
2017.04.05	SWPPP Rainfall & Weekly Inspection
2017.04.11	SWPPP Weekly Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, April 11, 2017**
Time:	**1:30 PM**
Weather:	**62 Degrees and Sunny**
Last rain event:	**0.03 Inches on 2017.04.10**
Last one inch rainfall:	**2.01 Inches on 2017.04.05**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, April 5, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
Consult
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Construct
Inspect
Maintain

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 18, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 11, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

April 11, 2017

Stormwater STL LLC
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Engineer
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Inspect
Maintain

VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE



LOOKING WEST AT SITE ENTRANCE (PARKING LOT)



LOOKING NORTH AT SITE ENTRANCE (BIG BEND)



INLET PROTECTION IN PLACE



LOOKING SOUTH AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection
2016.07.05	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Weekly Inspection
2016.07.22	SWPPP Weekly Inspection
2016.07.29	SWPPP Weekly Inspection
2016.08.04	SWPPP Weekly Inspection
2016.08.11	SWPPP Weekly Inspection
2016.08.15	SWPPP Weekly Inspection
201608.18	SWPPP Weekly Inspection
2016.08.26	SWPPP Weekly Inspection
2016.09.07	SWPPP Weekly Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Weekly Inspection
2016.09.30	SWPPP Weekly Inspection
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2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Weekly Inspection
2016.11.22	SWPPP Weekly Inspection
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2016.12.29	SWPPP Weekly Inspection
2017.01.04	SWPPP Weekly Inspection
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2017.01.17	SWPPP Weekly Inspection
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2017.03.22	SWPPP Weekly Inspection
2017.03.29	SWPPP Weekly Inspection
2017.03.31	SWPPP Rainfall Inspection
2017.04.05	SWPPP Rainfall & Weekly Inspection
2017.04.11	SWPPP Weekly Inspection
2017.04.18	SWPPP Weekly Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, April 18, 2017**
Time:	**10:20 AM**
Weather:	**65 Degrees and Sunny**
Last rain event:	**0.01 Inches on 2017.04.17**
Last one inch rainfall:	**2.01 Inches on 2017.04.05**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, April 11, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

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Inspector's Summary:

Construction of the site continues. Installation of manholes # 2, 3 and 5, and inlets # 4 & 6 continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

Area inlet # 4	ADD Protection

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
AR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
AR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
AR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on April 25, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 18, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

March 18, 2017

VIEW OF RAIN GARDEN A



ADD PROTECTION TO AREA INLET # 4



LOOKING WEST AT SITE ENTRANCE (PARKING LOT)



LOOKING SOUTH AT SITE ENTRANCE (BIG BEND)



INLET PROTECTION IN PLACE (GARDEN AVENUE)



LOOKING SOUTH AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity
2016.04.12	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection
2016.04.27	SWPPP Inspection attempted
2016.05.03	SWPPP Rainfall Inspection
2016.05.11	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection
2016.05.18	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection
2016.07.05	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter
2016.07.15	SWPPP Weekly Inspection
2016.07.22	SWPPP Weekly Inspection
2016.07.29	SWPPP Weekly Inspection
2016.08.04	SWPPP Weekly Inspection
2016.08.11	SWPPP Weekly Inspection
2016.08.15	SWPPP Weekly Inspection
201608.18	SWPPP Weekly Inspection
2016.08.26	SWPPP Weekly Inspection
2016.09.07	SWPPP Weekly Inspection
2016.09.13	SWPPP Weekly & Rainfall
2016.09.20	SWPPP Weekly Inspection
2016.09.30	SWPPP Weekly Inspection
2016.10.07	SWPPP Weekly Inspection
2016.10.13	SWPPP Weekly Inspection
2016.10.20	SWPPP Weekly and Rainfall
2016.10.27	SWPPP Weekly Inspection
2016.11.04	Weekly and Rainfall Inspection
2016.11.14	SWPPP Weekly Inspection
2016.11.22	SWPPP Weekly Inspection
2016.11.29	SWPPP Weekly Inspection
2016.12.08	SWPPP Weekly Inspection
2016.12.15	SWPPP Weekly Inspection
2016.12.21	SWPPP Weekly Inspection
2016.12.29	SWPPP Weekly Inspection
2017.01.04	SWPPP Weekly Inspection
2017.01.11	SWPPP Weekly Inspection
2017.01.17	SWPPP Weekly Inspection
2017.01.25	SWPPP Weekly Inspection
2017.01.31	SWPPP Weekly Inspection
2017.02.07	SWPPP Weekly Inspection
2017.02.14	SWPPP Weekly Inspection
2017.02.23	SWPPP Weekly Inspection
2017.03.01	SWPPP Weekly Inspection
2017.03.08	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.15	SWPPP Weekly Inspection
2017.03.22	SWPPP Weekly Inspection
2017.03.29	SWPPP Weekly Inspection
2017.03.31	SWPPP Rainfall Inspection
2017.04.05	SWPPP Rainfall & Weekly Inspection
2017.04.11	SWPPP Weekly Inspection
2017.04.18	SWPPP Weekly Inspection
2017.04.26	SWPPP Weekly Inspection

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, April 26, 2017**
Time:	**9:30 AM**
Weather:	**73 Degrees and Cloudy**
Last rain event:	**0.07 Inches on 2017.04.22**
Last one inch rainfall:	**2.01 Inches on 2017.04.05**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, April 18, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

Ther were no new acction items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 3, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

April 26, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

April 26, 2017

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VIEW OF RAIN GARDEN A



REMOVE SEDIMENT FROM IN FRONT OF CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



LOOKING SOUTH AT SITE ENTRANCE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection		
2016.04.27	SWPPP Inspection attempted		
2016.05.03	SWPPP Rainfall Inspection		
2016.05.11	SWPPP Weekly Inspection		
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2016.05.26	SWPPP Weekly Inspection		
2016.06.05	SWPPP Weekly Inspection		
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
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201608.18	SWPPP Weekly Inspection		
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2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Thursday, April 27, 2017**
Time:	**12:00 PM**
Weather:	**50 Degrees and Cloudy**
Last rain event:	**1.44 Inches on 2017.04.26**
Last one inch rainfall:	**1.44 Inches on 2017.04.26**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, April 26, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
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Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
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Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 3, 2017

As of March 29, 2017
The FES # 28 at the lake has a 1/4 of an inch of sediment.
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April 27, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

April 27, 2017

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VIEW OF RAIN GARDEN A



MONITOR SEDIMENT IN FRONT OF CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



LOOKING SOUTH AT SITE ENTRANCE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
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2016.07.01	SWPPP Weekly Inspection		
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2016.07.05	SWPPP Weekly Inspection		
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2016.12.29	SWPPP Weekly Inspection		
2017.01.04	SWPPP Weekly Inspection		
2017.01.11	SWPPP Weekly Inspection		
2017.01.17	SWPPP Weekly Inspection		
2017.01.25	SWPPP Weekly Inspection		
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Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall**
Inspection Date:	**Monday, May 1, 2017**
Time:	**12:10 PM**
Weather:	**53 Degrees and Cloudy**
Last rain event:	**1.99 Inches on 2017.04.30**
Last one inch rainfall:	**1.99 Inches on 2017.04.30**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, April 27, 2017**



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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow stormwater to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

Next inspection scheduled on May 3, 2017

As of May 1, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 1, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 1, 2017

VIEW OF RAIN GARDEN A



ADDITIONAL SILT SOCK ADDED TO CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



LOOKING SOUTH AT SITE ENTRANCE



VIEW OF THE INSIDE OF DOWNSTREAM DEFENDER



MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection		
2016.05.11	SWPPP Weekly Inspection		
2016.05.13	SWPPP Rainfall Inspection		
2016.05.18	SWPPP Weekly Inspection		
2016.05.26	SWPPP Weekly Inspection		
2016.06.05	SWPPP Weekly Inspection		
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
2016.08.26	SWPPP Weekly Inspection		
2016.09.07	SWPPP Weekly Inspection		
2016.09.13	SWPPP Weekly & Rainfall		
2016.09.20	SWPPP Weekly Inspection		
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2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Rainfall and Weekly**
Inspection Date:	**Friday, May 5, 2017**
Time:	**9:25 AM**
Weather:	**57 Degrees and Sunny**
Last rain event:	**0.90 Inches on 2017.05.04**
Last one inch rainfall:	**1.84 Inches on 2017.05.03**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Monday, May 1, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. The site is in good shape considering the amount of rain the area has received over the past two weeks.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (**X**) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 1, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 4, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 5, 2017

VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



INLET PROTECTION IN PLACE



MONITOR SEDIMENT AT CURB INLET (GARDEN AVENUE)



MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
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Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity	Date	Activity
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection		
2016.05.13	SWPPP Rainfall Inspection		
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2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
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2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 10, 2017**
Time:	**12:30 PM**
Weather:	**81 Degrees and Sunny**
Last rain event:	**0.90 Inches on 2017.05.04**
Last one inch rainfall:	**1.84 Inches on 2017.05.03**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, May 5, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 10, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 10, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 10, 2017

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VIEW OF RAIN GARDEN A



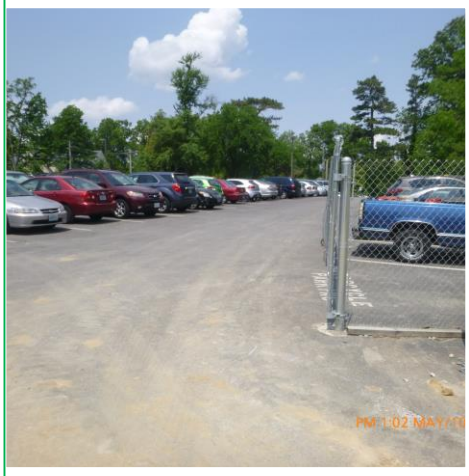
MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



MONITOR SEDIMENT AT SITE ENTRANCE (BIG BEND ROAD)



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
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2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 17, 2017**
Time:	**12:30 PM**
Weather:	**82 Degrees and Sunny**
Last rain event:	**0.04 Inches on 2017.05.11**
Last one inch rainfall:	**1.84 Inches on 2017.05.03**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 10, 2017**



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License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. Inlets # 3, 4 & 6 have been installed, need to add protection to them.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- NOT COMPLETED

Action Items Identified During This Inspection:

Area Inlets # 3 & 6	ADD Protection

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
AR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
AR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going (X) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 10, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 17, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 17, 2017

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VIEW OF RAIN GARDEN A



MONITOR SEDIMENT AT CURB INLET (PARKING LOT)



ADD PROTECTION TO AREA INLET # 4



ADD PROTECTION TO AREA INLET # 6



ADD PROTECTION TO AREA INLET # 3



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
Consult
Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection	2017.05.17	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection	2017.05.24	SWPPP Weekly Inspection
2016.05.18	SWPPP Weekly Inspection		
2016.05.26	SWPPP Weekly Inspection		
2016.06.05	SWPPP Weekly Inspection		
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
2016.08.26	SWPPP Weekly Inspection		
2016.09.07	SWPPP Weekly Inspection		
2016.09.13	SWPPP Weekly & Rainfall		
2016.09.20	SWPPP Weekly Inspection		
2016.09.30	SWPPP Weekly Inspection		
2016.10.07	SWPPP Weekly Inspection		
2016.10.13	SWPPP Weekly Inspection		
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2017.01.11	SWPPP Weekly Inspection		
2017.01.17	SWPPP Weekly Inspection		
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2017.03.22	SWPPP Weekly Inspection		
2017.03.29	SWPPP Weekly Inspection		
2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 24, 2017**
Time:	**11:10 AM**
Weather:	**63 Degrees and Sunny**
Last rain event:	**0.18 Inches on 2017.05.23**
Last one inch rainfall:	**1.32 Inches on 2017.05.20**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 17, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC

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Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area inlet # 4	ADD Protection -- COMPLETED
Area Inlets # 3 & 6	ADD Protection -- COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 10, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

May 24, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 24, 2017

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VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE



INLET PROTECTION IN PLACE



INLET PROTECTION IN PLACE



MONITOR SEDIMENT LEAVING SITE ENTRANCE (BIG BEND BLVD)



LOOKING NORTH AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection	2017.05.17	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection	2017.05.24	SWPPP Weekly Inspection
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2016.05.26	SWPPP Weekly Inspection		
2016.06.05	SWPPP Weekly Inspection		
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
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2016.08.15	SWPPP Weekly Inspection		
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2017.03.22	SWPPP Weekly Inspection		
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2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, May 31, 2017**
Time:	**10:30 AM**
Weather:	**73 Degrees and Sunny**
Last rain event:	**0.39 Inches on 2017.05.29**
Last one inch rainfall:	**1.32 Inches on 2017.05.20**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 24, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
Maintain

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 10, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

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May 31, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

May 31, 2017

VIEW OF RAIN GARDEN A



REMOVE SEDIMENT AROUND CURB INLET



INLET PROTECTION IN PLACE



INLET PROTECTION IN PLACE



LOOKING NORTH AT SITE ENTRANCE (BIG BEND BLVD)



LOOKING SOUTH AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity	Date	Activity
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
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2016.05.26	SWPPP Weekly Inspection	2017.06.06	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection		
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
2016.06.24	SWPPP Weekly Inspection		
2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
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2016.12.29	SWPPP Weekly Inspection		
2017.01.04	SWPPP Weekly Inspection		
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2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, June 6, 2017**
Time:	**12:50 PM**
Weather:	**78 Degrees and Sunny**
Last rain event:	**0.25 Inches on 2017.06.04**
Last one inch rainfall:	**1.32 Inches on 2017.05.20**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, May 31, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of May 10, 2017
Lake is above normal pool, unable to get measurement of FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 6, 2017

Steven W. Polk

Date

Steven W. Polk, PE

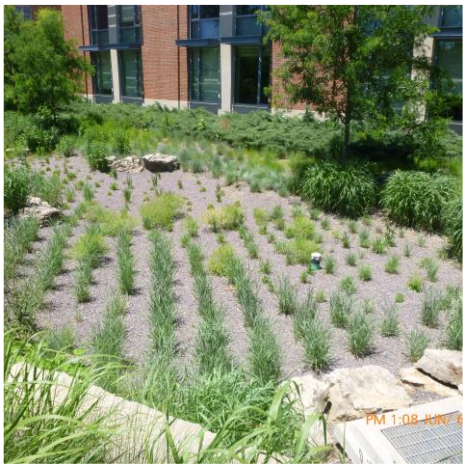
No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

June 6, 2017

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VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE



LOOKING SOUTH AT LAKE



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



LOOKING SOUTH AT SITE ENTRANCE DRIVEWAY



LOOKING WEST AT SITE ENTRANCE (GARDEN AVENUE)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Engineer
Construct
Inspect
Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity	Date	Activity
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection	2017.05.17	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection	2017.05.24	SWPPP Weekly Inspection
2016.05.18	SWPPP Weekly Inspection	2017.05.31	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection	2017.06.06	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection	2017.06.14	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection		
2016.06.16	SWPPP Weekly Inspection		
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2016.07.01	SWPPP Weekly Inspection		
2016.07.05	SWPPP Rainfall Inspection		
2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
2016.08.26	SWPPP Weekly Inspection		
2016.09.07	SWPPP Weekly Inspection		
2016.09.13	SWPPP Weekly & Rainfall		
2016.09.20	SWPPP Weekly Inspection		
2016.09.30	SWPPP Weekly Inspection		
2016.10.07	SWPPP Weekly Inspection		
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2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, June 14, 2017**
Time:	**12:10 PM**
Weather:	**91 Degrees and Sunny**
Last rain event:	**0.25 Inches on 2017.06.04**
Last one inch rainfall:	**1.32 Inches on 2017.05.20**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, June 6, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Engineer
Construct
Inspect
Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. The University had someone remove the blockage of the drainage pipe at the lake, the lake is now at normal pool.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are (X) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 14, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

June 14, 2017

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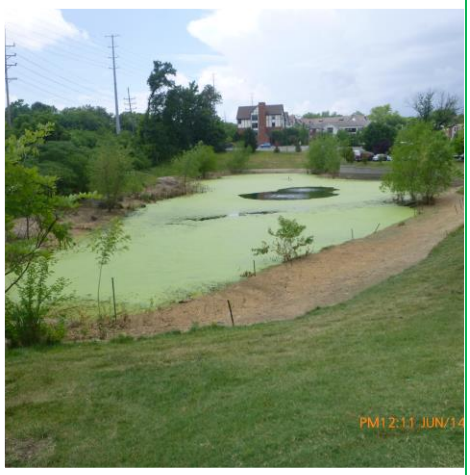
VIEW OF RAIN GARDEN A



INLET PROTECTION IN PLACE



LOOKING SOUTH AT LAKE



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



EXCAVATION OF RAIN GARDEN STARTING



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
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2016.06.05	SWPPP Weekly Inspection	2017.06.14	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection	2017.06.20	SWPPP Weekly Inspection
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2016.07.05	SWPPP Weekly Inspection		
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
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2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Tuesday, June 20, 2017**
Time:	**1:00 AM**
Weather:	**89 Degrees and Sunny**
Last rain event:	**1.06 Inches on 2017.06.18**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, June 14, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. The construction of the rain gardens has started. The size of the North rain garden has been reconfigured because an old diesel fuel tank was discovered during the excavation. While the rain garden is being excavated the storm drains from the two story stucco building to the North are being repaired and/or replaced and tied back into the system.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 20, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

WEBSTER UNIVERSITY ISB –
SWPPP Inspection Photos

June 20, 2017

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VIEW OF RAIN GARDEN A



REMOVE SEDIMENT FROM IN FRONT OF INLET (PARKING LOT)



INLET PROTECTION IN PLACE



MONITOR SEDIMENT AT PARKING LOT ENTRANCE



EXCAVATION OF RAIN GARDEN STARTING



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity	Date	Activity
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2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
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201608.18	SWPPP Weekly Inspection		
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Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Wednesday, June 28, 2017**
Time:	**12:40 PM**
Weather:	**87 Degrees and Sunny**
Last rain event:	**1.06 Inches on 2017.06.18**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Tuesday, June 20, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. The construction of rain garden # 2 has been completed. Crews have started on Rain Garden # 1.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

Area Inlet (parking lot)	Reinstall silt sock when work is completed

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

June 28, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

June 28, 2017

VIEW OF TURBID WATER IN THE HDS UNIT



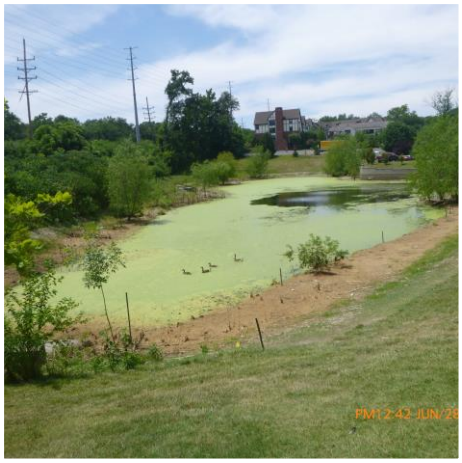
VIEW OF DOWNSTREAM DEFENDER



REPLACE SILTSOCK AND REMOVE SEDIMENT FROM INLET



LOOKING WEST AT LAKE



SILT FENCE INSTALLED ABOVE PATIO AREA



VIEW OF RAIN GARDEN # 2



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
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2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
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2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
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201608.18	SWPPP Weekly Inspection		
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2016.09.20	SWPPP Weekly Inspection		
2016.09.30	SWPPP Weekly Inspection		
2016.10.07	SWPPP Weekly Inspection		
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2016.12.29	SWPPP Weekly Inspection		
2017.01.04	SWPPP Weekly Inspection		
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2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 7, 2017**
Time:	**12:40 PM**
Weather:	**89 Degrees and Sunny**
Last rain event:	**0.07 Inches on 2017.07.05**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Wednesday, June 28, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

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Inspector's Summary:

Construction of the site continues. The construction of rain garden # 2 has been completed. Crews are working on Rain Garden # 1. Sod has been installed on the hill along the side of the patio as well as on the roof of the corridor leading into the ISB building.

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING
Area Inlet (parking lot)	Reinstall silt sock when work is completed -- COMPLETED

Action Items Identified During This Inspection:

There were no new action items identified at this time

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- ADD protection to all new inlets that allow storm water to leave the site.
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 7, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

July 7, 2017

VIEW OF DBL GRATE INLET # 1



INLET PROTECTION NPLACE



SILT FENCE IN PLACE AROUND RAIN GARDEN # 2



SOD ADDED ALONG PATIO HILL



VIEW OF RAIN GARDEN A



SILT FENCE IN PALCE AROUND RAIN GARDEN # 1



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
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2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, July 13, 2017**
Time:	**5:00 PM**
Weather:	**80 Degrees and Cloudy**
Last rain event:	**0.01 Inches on 2017.07.06**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 7, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. Rain gardens # 1 & 2 have been constructed. All BMP's are in place

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

Area inlet # 6	ADD protection

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans --
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 6
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 13, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

July 13, 2017

VIEW OF DBL GRATE INLET # 1 PROTECTED BY FILTER INSERT



INLET PROTECTION NPLACE



ADD PROTECTION TO AREA INLET # 6



LOOKING NORTH AT SITE ENTRANCE (BIG BEND BLVD)



VIEW OF RAIN GARDEN A



VIEW OF RAIN GARDEN # 1



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Stormwater Pollution Prevention Plan Inspections:

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2016.11.22	SWPPP Weekly Inspection		
2016.11.29	SWPPP Weekly Inspection		
2016.12.08	SWPPP Weekly Inspection		
2016.12.15	SWPPP Weekly Inspection		
2016.12.21	SWPPP Weekly Inspection		
2016.12.29	SWPPP Weekly Inspection		
2017.01.04	SWPPP Weekly Inspection		
2017.01.11	SWPPP Weekly Inspection		
2017.01.17	SWPPP Weekly Inspection		
2017.01.25	SWPPP Weekly Inspection		
2017.01.31	SWPPP Weekly Inspection		
2017.02.07	SWPPP Weekly Inspection		
2017.02.14	SWPPP Weekly Inspection		
2017.02.23	SWPPP Weekly Inspection		
2017.03.01	SWPPP Weekly Inspection		
2017.03.08	SWPPP Weekly Inspection		
2017.03.15	SWPPP Weekly Inspection		
2017.03.15	SWPPP Weekly Inspection		
2017.03.22	SWPPP Weekly Inspection		
2017.03.29	SWPPP Weekly Inspection		
2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 21, 2017**
Time:	**2:20 PM**
Weather:	**100 Degrees and Sunny**
Last rain event:	**0.01 Inches on 2017.07.16**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, July 13, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC — Consult Engineer Construct Inspect Maintain

This document has been prepared exclusively for the Customer noted above (Customer) by Stormwater STL LLC (Stormwater STL), based on a visual inspection conducted on the date(s) noted above. Unless specifically indicated, Stormwater STL did not undertake any forensic investigation at this location on the date(s) noted. The opinions expressed in this document relate only to the condition of the site and the Construction Phase Stormwater BMP(s) as observed by Stormwater STL on the date(s) noted. The content of this document reflects the opinion of Stormwater STL only and Stormwater STL makes no express or implied representation or warranty with respect to the conditions described or the functionality of the systems identified in this report. Other than Customer, third parties who rely upon this document do so solely at their own risk and Stormwater STL disclaims all liability, damages or loss with respect to such reliance. Neither Customer nor Stormwater STL, nor any person acting for and/or on behalf of those companies, assumes any responsibility, duty of care or liability to any person to update the contents of this document or to distribute any subsequently learned information to recipients of this document other than to Customer. This disclaimer must accompany every copy of this document, which is an integral document and must be read in its entirety.

Inspector's Summary:

Construction of the site continues. All BMP's are in place

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans --
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans -- Add protection to inlet # 4
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of June 14, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 3 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 21, 2017 Steven W. Polk

Date Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

July 21, 2017

VIEW OF DBL GRATE INLET # 1 PROTECTED BY FILTER INSERT



LOOKING NORTH AT SITE ENTRANCE DRIVEWAY



VIEW OF RAIN GARDEN # 2



LOOKING NORTH AT SITE ENTRANCE (BIG BEND BLVD)



VIEW OF RAIN GARDEN A



VIEW OF RAIN GARDEN # 1



INLET PROTECTION IN PLACE



INLET PROTECTION IN PLACE



INLET PROTECTION IN PLACE



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

Stormwater STL LLC
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Maintain

Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection	2017.05.17	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection	2017.05.24	SWPPP Weekly Inspection
2016.05.18	SWPPP Weekly Inspection	2017.05.31	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection	2017.06.06	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection	2017.06.14	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection	2017.06.20	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection	2017.06.28	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection	2017.07.07	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection	2017.07.13	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection	2017.07.21	SWPPP Weekly Inspection
2016.07.05	SWPPP Weekly Inspection	2017.07.28	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection		
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
2016.08.26	SWPPP Weekly Inspection		
2016.09.07	SWPPP Weekly Inspection		
2016.09.13	SWPPP Weekly & Rainfall		
2016.09.20	SWPPP Weekly Inspection		
2016.09.30	SWPPP Weekly Inspection		
2016.10.07	SWPPP Weekly Inspection		
2016.10.13	SWPPP Weekly Inspection		
2016.10.20	SWPPP Weekly and Rainfall		
2016.10.27	SWPPP Weekly Inspection		
2016.11.04	Weekly and Rainfall Inspection		
2016.11.14	SWPPP Weekly Inspection		
2016.11.22	SWPPP Weekly Inspection		
2016.11.29	SWPPP Weekly Inspection		
2016.12.08	SWPPP Weekly Inspection		
2016.12.15	SWPPP Weekly Inspection		
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2016.12.29	SWPPP Weekly Inspection		
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2017.01.25	SWPPP Weekly Inspection		
2017.01.31	SWPPP Weekly Inspection		
2017.02.07	SWPPP Weekly Inspection		
2017.02.14	SWPPP Weekly Inspection		
2017.02.23	SWPPP Weekly Inspection		
2017.03.01	SWPPP Weekly Inspection		
2017.03.08	SWPPP Weekly Inspection		
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2017.03.15	SWPPP Weekly Inspection		
2017.03.22	SWPPP Weekly Inspection		
2017.03.29	SWPPP Weekly Inspection		
2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Friday, July 28, 2017**
Time:	**11:55 AM**
Weather:	**86 Degrees and Sunny**
Last rain event:	**0.72 Inches on 2017.07.27**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Thursday, July 20, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
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Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspect
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Inspector's Summary:

Construction of the site continues. Some of the silt has been removed from rain gardens # 1 & 2 and trees have been planted. All BMP's are in place

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans --
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (**X**) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of July 28, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

July 28, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

July 28, 2017

VIEW OF DBL GRATE INLET # 1 PROTECTED BY FILTER INSERT



VIEW OF TURBID WATER IN HDS UNIT



VIEW OF DOWNSTREAM DEFENDER



VIEW OF RAIN GARDEN # 1



LOOKING SOUTH AT EAST PROERTY LINE



VIEW OF RAIN GARDEN # 1



LOOKING NORTH AT SITE ENTRANCE (BIG BEND)



INLET PROTECTION IN PLACE



LOOKING WEST AT SITE ENTRANCE (PARKING LOT)



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Stormwater Pollution Prevention Plan (SWPPP) Inspection Record

MSD P Number: **P-0028874-01**
Project: **Webster University ISB**
Address: **8274 Big Bend Blvd. 63119**

Customer: **Webster University**
Contact: **Craig Miller**
Phone Number: **314-246-7773 (office)**
Email: craigmiller29@webster.edu

Record Start Date: **April 12, 2016**



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Inspector(s): **Steven W. Polk, PE**
License #: **MO E-18668**
Company: **Stormwater STL LLC**
Address: **5858 Delor Street 63109**
Phone: **(314) 406-7655**

E-mail: steve@stormwater-stl.net

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Stormwater Pollution Prevention Plan Inspections:

Date	Activity		
2016.04.12	SWPPP Rainfall Inspection	2017.04.27	SWPPP Rainfall Inspection
2016.04.19	SWPPP Weekly Inspection	2017.05.01	SWPPP Rainfall Inspection
2016.04.27	SWPPP Inspection attempted	2017.05.05	SWPPP Rainfall & Weekly Inspection
2016.05.03	SWPPP Rainfall Inspection	2017.05.10	SWPPP Weekly Inspection
2016.05.11	SWPPP Weekly Inspection	2017.05.17	SWPPP Weekly Inspection
2016.05.13	SWPPP Rainfall Inspection	2017.05.24	SWPPP Weekly Inspection
2016.05.18	SWPPP Weekly Inspection	2017.05.31	SWPPP Weekly Inspection
2016.05.26	SWPPP Weekly Inspection	2017.06.06	SWPPP Weekly Inspection
2016.06.05	SWPPP Weekly Inspection	2017.06.14	SWPPP Weekly Inspection
2016.06.10	SWPPP Weekly Inspection	2017.06.20	SWPPP Weekly Inspection
2016.06.16	SWPPP Weekly Inspection	2017.06.28	SWPPP Weekly Inspection
2016.06.24	SWPPP Weekly Inspection	2017.07.07	SWPPP Weekly Inspection
2016.07.01	SWPPP Weekly Inspection	2017.07.13	SWPPP Weekly Inspection
2016.07.05	SWPPP Rainfall Inspection	2017.07.21	SWPPP Weekly Inspection
2016.07.05	SWPPP Weekly Inspection	2017.07.28	SWPPP Weekly Inspection
2016.07.08	SWPPP Weekly Inspection	2017.08.03	SWPPP Weekly Inspection
2016.07.13	Maintenance / Filter		
2016.07.15	SWPPP Weekly Inspection		
2016.07.22	SWPPP Weekly Inspection		
2016.07.29	SWPPP Weekly Inspection		
2016.08.04	SWPPP Weekly Inspection		
2016.08.11	SWPPP Weekly Inspection		
2016.08.15	SWPPP Weekly Inspection		
201608.18	SWPPP Weekly Inspection		
2016.08.26	SWPPP Weekly Inspection		
2016.09.07	SWPPP Weekly Inspection		
2016.09.13	SWPPP Weekly & Rainfall		
2016.09.20	SWPPP Weekly Inspection		
2016.09.30	SWPPP Weekly Inspection		
2016.10.07	SWPPP Weekly Inspection		
2016.10.13	SWPPP Weekly Inspection		
2016.10.20	SWPPP Weekly and Rainfall		
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2017.01.17	SWPPP Weekly Inspection		
2017.01.25	SWPPP Weekly Inspection		
2017.01.31	SWPPP Weekly Inspection		
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2017.02.14	SWPPP Weekly Inspection		
2017.02.23	SWPPP Weekly Inspection		
2017.03.01	SWPPP Weekly Inspection		
2017.03.08	SWPPP Weekly Inspection		
2017.03.15	SWPPP Weekly Inspection		
2017.03.15	SWPPP Weekly Inspection		
2017.03.22	SWPPP Weekly Inspection		
2017.03.29	SWPPP Weekly Inspection		
2017.03.31	SWPPP Rainfall Inspection		
2017.04.05	SWPPP Rainfall & Weekly Inspection		
2017.04.11	SWPPP Weekly Inspection		
2017.04.18	SWPPP Weekly Inspection		
2017.04.26	SWPPP Weekly Inspection		

Construction Phase Stormwater BMP Inspection Report

MSD P Number:	**P-0028874-01**
Project:	**Webster University ISB**
Address:	**8274 Big Bend Blvd. 63119**
Inspection Type:	**Weekly**
Inspection Date:	**Thursday, August 3, 2017**
Time:	**2:00 PM**
Weather:	**92 Degrees and Sunny**
Last rain event:	**0.72 Inches on 2017.07.27**
Last one inch rainfall:	**1.06 Inches on 2017.06.18**
Customer:	**Webster University**
Contact:	**Craig Miller**
Phone Number:	**314-246-7773 (office) or 314-603-9549 (mobile)**
Email:	craigmiller29@webster.edu
Last Inspection Date:	**Friday, July 28, 2017**



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Inspector(s):	**Steven W. Polk, PE**
License #:	**MO E-18668**
Company:	**Stormwater STL LLC**
Address:	**5858 Delor Street 63109**
Phone:	**(314) 406-7655**
E-mail:	steve@stormwater-stl.net

Stormwater STL LLC
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Inspector's Summary:

Construction of the site continues. The rock parking area by the Big Bend entrance is being completed. There are still a few disturbed areas around the site where crews are installing irrigation lines and plants. All BMP's are in place

Status of Open Action Items Identified During Previous Inspections:

On Site Inlets	Remove and replace filter fabric under grates as needed - ON GOING
Double curb Inlet (Garden Ave & Parking Lot)	Remove sediment from in front of inlet -- ONGOING

Action Items Identified During This Inspection:

There were no new action items identified at this time.

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Construction Phase Stormwater BMP Inspection Report

Field Observations:	
Sediment leaving the land disturbance site	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- MONITOR sediment on West parking lot leaving the construction site
NAR	Site in compliance with Land Disturbance Code/Approved Plans
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Off-site erosion caused by land disturbance activity	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Protection of operational storm inlet(s) and storm system(s)	
NAR	Site in compliance with Land Disturbance Code/Approved Plans --- REMOVE AND REPLACE filter fabric as needed
NAR	Site in compliance with Land Disturbance Code/Approved Plans --
	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Mud on paved roadways and/or installation and maintenance of vehicle wash-down area	
NAR	Site in compliance with Land Disturbance Code/Approved Plans- Monitor sediment leaving the construction area
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed (X) on-going ( ) not corrected

Installation and maintenance of other necessary BMPs	
NAR	Site in compliance with Land Disturbance Code/Approved Plans
NAR	Correction of deficiencies required (see Action Items above)
	Deficiencies from last report are ( ) completed ( ) on-going ( ) not corrected

Inspector's notes:

NAR = No Action Required **AR = Action Required**

As of July 28, 2017
There is 1/4 inch of sediment at the FES
The Downstream Defender has 4 inches of sediment
The HDS has 2 Ft. 4 inches of sediment

It is my professional opinion that the land disturbance work being conducted, except as specifically identified above and/or attached, is in compliance with the jurisdictional land disturbance code as further identified on the approved plans. I have also attached listings of any areas where land disturbance operations have permanently or temporarily stopped.

August 3, 2017

Steven W. Polk

Date

Steven W. Polk, PE

No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended

Webster University ISB-
SWPPP Inspection Photos

August 3, 2017

MONITOR SEDIMENT AT SITE ENTRANCE (PARKING LOT)



MONITOR SEDIMENT BUILDUP AT CURB INLET (PARKING LOT)



VIEW OF RAIN GARDEN A



VIEW OF RAIN GARDEN # 1



LOOKING SOUTH AT EAST PROERTY LINE



VIEW OF RAIN GARDEN # 1



LOOKING NORTH AT SITE ENTRANCE (BIG BEND)



INLET PROTECTION IN PLACE



VIEW OF RAIN GARDEN # 2



No Action Required	Maintenance Recommended	Repair Recommended	Immediate Repair Recommended