



SWT Design

7722 Big Bend Blvd.

St. Louis, MO 63119

www.swtdesign.com

Tel: 314-644-5700

FIELD REPORT

DATE OF REPORT: 4/24/2017

PROJECT:	Webster University Interdisciplinary Building	SWT DESIGN REPRESENTATIVE:	Zach Snovelle Alicia Heis
PURPOSE OF TRIP:	Site Inspection	SUBMITTED TO:	Cannon Design
DATE ON SITE:	4/24/2017		
LOCATION:	Interdisciplinary Building		

On April 24, 2017 SWT Design visited the Interdisciplinary Building site to review rain garden and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION	
1.	Juniper remaining from original planting, in poor condition. SWT Design suggests removal of shrub and infill space as part of the decorative gravel maintenance strip.	
2.	Separation of felt from waterproofing at north end of green roof. Aggregate ballast has migrated between the layers. Concern this may cause water leak issues in the future.	

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3. Significant amount of silt from construction has collected in the EAB rain garden. This area will need remediated to ensure proper raingarden function. This may also indicate that the mechanical separator upstream is full and needs cleaned out.



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4. Retaining wall construction in progress at raingarden 1.



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5. Courtyard stair concrete placement in progress.



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6. Courtyard base aggregate, drainage, and structural soil in place. Irrigation work in progress.



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7. Green roof drainage layer installation in progress.



- 8.
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MISC.: Please forward this information to all parties concerned. If you have any questions please call.

The above is SWT Design's account of what took place at the meeting and/or during field observation. If there are any discrepancies or additions, please notify SWT Design within seven (7) days of filing.



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FIELD REPORT

DATE OF REPORT: 5/5/2017

PROJECT:	Webster University Interdisciplinary Building	SWT DESIGN REPRESENTATIVE:	Zach Snovelle
PURPOSE OF TRIP:	Site Inspection	SUBMITTED TO:	Cannon Design
DATE ON SITE:	5/2/2017		
LOCATION:	Interdisciplinary Building		

On May 2, 2017 SWT Design visited the Interdisciplinary Building site to review courtyard and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION		
1.	Thin layer of fine powdery silt deposited throughout EAB rain garden following the last weeks heavy rains. This area may need remediated to ensure proper raingarden function if the material continues to accumulate.		
2.	Separation of felt from waterproofing at north end of green roof. Green roof soil mix has migrated between the layers. Concern this may cause water leak issues in the future.		

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3. Tree planting in courtyard. Trees all appear to be set very low relative to finish grade (assuming top of bollard footing is finish grade). Tree root flare is to be set such that it is approximately at finish grade. Slightly low (up to 2") is acceptable to accommodate mineral mulch. Trees currently appear to be 4" to 8" low.



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4. Green roof soil partially installed.

Not noted during time on site however it appears from photos that the filter fabric layer separating the light weight aggregate and drainage cup layer from the soil media has been omitted from the installation.



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5. Formwork for concrete walk in progress.



6. Grading rain garden slopes.



7.

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FIELD REPORT

DATE OF REPORT: 5/10/2017

PROJECT:	Webster University Interdisciplinary Building	SWT DESIGN REPRESENTATIVE:	Zach Snovelle
PURPOSE OF TRIP:	Site Inspection	SUBMITTED TO:	Cannon Design
DATE ON SITE:	5/9/2017		
LOCATION:	Interdisciplinary Building		

On May 9, 2017 SWT Design visited the Interdisciplinary Building site to review courtyard and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION	
1.	Tree protection fencing in need of repair.	

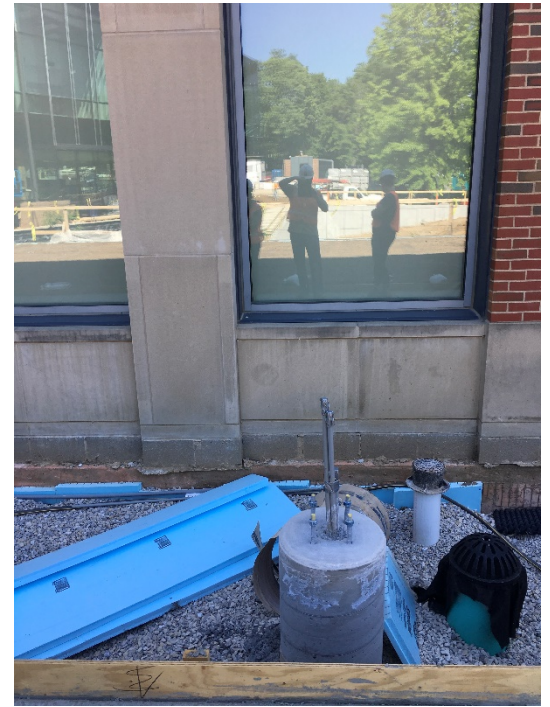
-
2. Installation of permeable paver setting base.



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3. Clay and silt build up in EAB rain garden. Per review with STL Stormwater the amount of accumulated material does not presently present a concern. Will continue to monitor.



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4. Light pole should have been centered on building column.



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5. Concrete walk installation on green roof.



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- 6.

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- 7.
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FIELD REPORT

DATE OF REPORT: 5/19/2017

PROJECT: Webster University
Interdisciplinary Building

SWT DESIGN REPRESENTATIVE: Zach Snovelle

PURPOSE OF TRIP: Site Inspection

SUBMITTED TO: Cannon Design

DATE ON SITE: 5/17/2017

LOCATION: Interdisciplinary Building

On May 9, 2017 SWT Design visited the Interdisciplinary Building site to review courtyard and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION
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| 1. | Fuel oil tank discovered during excavation for rain garden 2 behind Priest Garage. |
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| 2. | Tree protect requires repair. |
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3. Plaza paver installation. See following for issues observed and reviewed on site with Paric.



4. Hump in pavers at cleanout, base of stair near door. Lower cleanout to eliminate hump and have smooth paver grade transitions from landing of stairs, door and plaza.



5. Refer to sheet L400 for paver layout, and detail C/L500. Tree pits are to be 5'x5' (5 full pavers wide, no cut pavers in that direction)

Bollard footings were too be in the corner of the planter located approximately 9" inset from each edge.

Inconsistencies in tree pit and bollard footing layout from one tree pit to the next are



unacceptable and must be corrected.





6. Gaps wider than 1/2" between pavers and cleanouts will not comply with ADA. These should be corrected.



7. Green roof installation appears to have been corrected and proper layering installed with filter fabric between drainage course and soil layer.



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FIELD REPORT

DATE OF
REPORT:

7/17/2017

PROJECT: Webster University
Interdisciplinary Building

**SWT DESIGN
REPRESENTATIVE:** Zach Snovelle

**PURPOSE OF
TRIP:** Site Inspection

SUBMITTED TO: Cannon Design

DATE ON SITE: 7/14/2017

LOCATION: Interdisciplinary Building

On July 14, 2017 SWT Design visited the Interdisciplinary Building site to review courtyard and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION
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| 1. | Significant silt buildup in BMPs, silt protection appears to have failed at some point after BMP soil installation. Concern that contaminated BMP soils will not drain properly. Silt and contaminated BMP soil must be removed and replaced with clean BMP soils prior to installation of mulch and plantings. Additional silt protection measures are suggested. |
|----|--|



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2. Man Hole adjacent to bike parking needs raised to meet grade.



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3. Need to review fine grading near relative to top of wall, walk and parking lot to ensure water drains into the BMP and not towards the building along the top of the concrete wall.



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4. Plaza pavers will need to be cleaned of silt. Pavers may need to be lifted to examine extent of silt infiltration into base material and contaminated base material removed and replaced with clean material.



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5. Sizable low spot in turf hillside needs to be filled and turf reinstalled.



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6. Irrigation boxes need to be raised to grade, additional soil needs added and turf reinstalled.



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7. Inlets need raised and fine grading of swales needs work, cleanout needs adjusted to final finish grade.



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8. Inlets need raised, presently they are buried.



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9. Edging and pavers have not been installed at time of sod installation on the green roof. Additional green roof media and fine grading will be needed along paver edges.



10. Planting strip along building is several feet narrower than on plans. Plant material for this area will need located elsewhere or a credit offered. Suggest this strip be filled with trap rock mineral mulch to match adjacent band at building windows.



11. Recommend these 4 trees be moved an additional four foot north to further avoid building overhang as they mature..



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FIELD REPORT

DATE OF
REPORT:

7/21/2017

PROJECT: Webster University
Interdisciplinary Building

**SWT DESIGN
REPRESENTATIVE:** Zach Snovelle

**PURPOSE OF
TRIP:** Site Inspection

SUBMITTED TO: Cannon Design

DATE ON SITE: 7/21/2017

LOCATION: Interdisciplinary Building

On July 21, 2017 SWT Design visited the Interdisciplinary Building site to review courtyard and green roof construction. Comments follow, are numbered and refer to the attached sketch and photos.

ITEM	DESCRIPTION
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- | | |
|----|---|
| 1. | Significant silt buildup in BMPs, silt protection appears to have failed at some point after BMP soil installation. Concern that contaminated BMP soils will not drain properly. Silt and contaminated BMP soil must be removed and replaced with clean BMP soils prior to installation of mulch and plantings. Additional silt protection measures are suggested. (noted on 7/14, no corrective action take to date) |
|----|---|



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2. Drainage issue at corner of window well and building, adjacent storm structure looks to be quite a bit higher than surrounding grades. Additional grading work is needed, inlet may need to be lowered.



3. Green roof sod is in very poor condition due to the heat and timing of installation. Will continue to monitor, it may recover, however in its present condition this will be unacceptable on the punch list.



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