KRAUS-ANDERSON®
Construction Company

Change Order Request

Project: 1923025-02
La Crosse Center Expansion & Renovation
400 La Crosse Street
La Crosse, WI 54601

COR # 2.00

Date: 1/27/2020

To: Owner City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

From: Kraus-Anderson Construction Company
151 East Wilson Street, Suite 100
Madison, WI 53703

PCO # ***15 - Over Excavation***

Item #	Description	Vendor	Amount
1	Over excavation and supply/install of good fill at 6 columns	Strupp Trucking, Inc.	$22,554.00
		Total For Change Order	**$22,554.00**

Approved By: City of La Crosse **Signed:** _____ **Date:** _____

Submitted By: Kraus-Anderson Construction Company **Signed:** DocuSigned by: Peter Linsmeier 6867371012384A6... **Date:** 1/28/2020 | 11:12 AM

Accepted By: I & S Group, Inc. **Signed:** DocuSigned by: Patrick Vos CE66D9E39AF4441... **Date:** 1/30/2020 | 9:33 AM

KRAUS-ANDERSON®
Construction Company

151 East Wilson Street, Suite 100
Madison WI 53703

Contract Change Order

Project: 1923025-02 La Crosse Center Expansion & Renovation
400 La Crosse Street
La Crosse, WI 54601

Contract #: 1923025-31-A
Contract Change Order #: 2
Change Order Date: 1/30/20

To Contractor: Strupp Trucking, Inc.
N6200 County Road XX
Onalaska, WI 54650

THE CONTRACT IS CHANGED AS FOLLOWS:

PCO	Item	Description	Amount
15	1	Over excavation and supply/install of good fill at 6 columns	$22,554.00

Total	**$22,554.00**
The original Contract Sum was	**$438,000.00**
The net change by previously authorized Change Orders was	**$2,875.00**
The Contract Sum prior to this Change Order was	**$440,875.00**
The Contract Sum will be increased by this Change Order	**$22,554.00**
The new Contract Sum will be	**$463,429.00**

NOT VALID UNTIL SIGNED BY THE OWNER, CONSTRUCTION MANAGER, ARCHITECT AND CONTRACTOR

Kraus-Anderson Construction Company
CONSTRUCTION MANAGER *(Firm name)*
151 East Wilson Street, Suite 100
Madison WI 53703
ADDRESS

BY *(Signature)*

Peter Linsmeier
(Typed name) **DATE:**

I & S Group, Inc.
ARCHITECT *(Firm name)*
115 E Hickory St Ste 300
Mankato. MN 56001
ADDRESS

BY *(Signature)*

Patrick Vos
(Typed name) **DATE:**

Strupp Trucking, Inc.
CONTRACTOR *(Firm name)*
N6200 County Road XX
Onalaska, WI 54650
ADDRESS

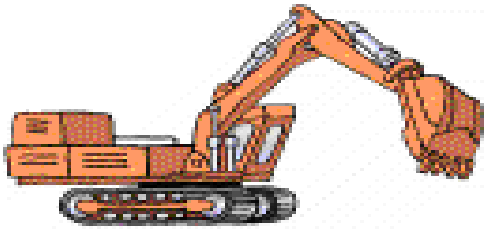
BY *(Signature)*

(Typed name) **DATE:**

City of La Crosse
OWNER *(Firm name)*
400 La Crosse Street
La Crosse, WI 54601
ADDRESS

BY *(Signature)*

(Typed name) **DATE:**



CHANGE PROPOSAL

From: **JR STRUPP**
STRUPP TRUCKING, INC. &
STRUPP EXCAVATING, INC.
N6200 County Rd XX
Onalaska, WI 54650
Phone: 608-781-9828 Fax: 608-781-1789
CELL: 608-769-9940
jrstrupp@yahoo.com

Date: **1/20/20**

To: **Kraus-Anderson**
151 E. Wilson St
Madison, WI

Project Name: La Crosse Center Expansion and Renovation

Work to be included:

Over-excavation and supply/install of good fill material at (6) column locations.
Added Cost:$22,554.00

Authorized Signature: JR Strupp 1/24/20
William D. Strupp (JR)
President

In order to provide quality service, price quote cannot be guaranteed beyond 10 days without written extension. All excavation +/- .10 foot. Handling and disposal of hazardous materials not included unless specifically stated. As per Wisconsin State law you are required to recycle to the maximum extent possible. No sawcutting, dewatering, shoring, testing, seed/sod, rock excavation, layout, grade establishment, hand excavation, excavation for thickened slabs, bollards, turned down curbs etc., frost protection or ripping. All backfilling and shaping to be completed prior to electrical, plumbing, mechanical etc. or General Contractor to provide laborers. General Contractor to provide and repair access for site.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and beyond the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by workmen's compensation insurance. **This proposal to be included in any contract resulting for above bid.**

Acceptance of Proposal: **SIGNATURE:**_____

DATE OF ACCEPTANCE:_____

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Please complete the following information:

Company Name:_____

Contact Person:_____

Billing Address:_____

Phone:_____Fax:_____Cell:_____

Job Name:_____JobNumbers:_____
Please check how you would like to receive your invoice: Fax Invoice_____ Mail Invoice_____

LA CROSSE CENTER - Over Excavation Change Request

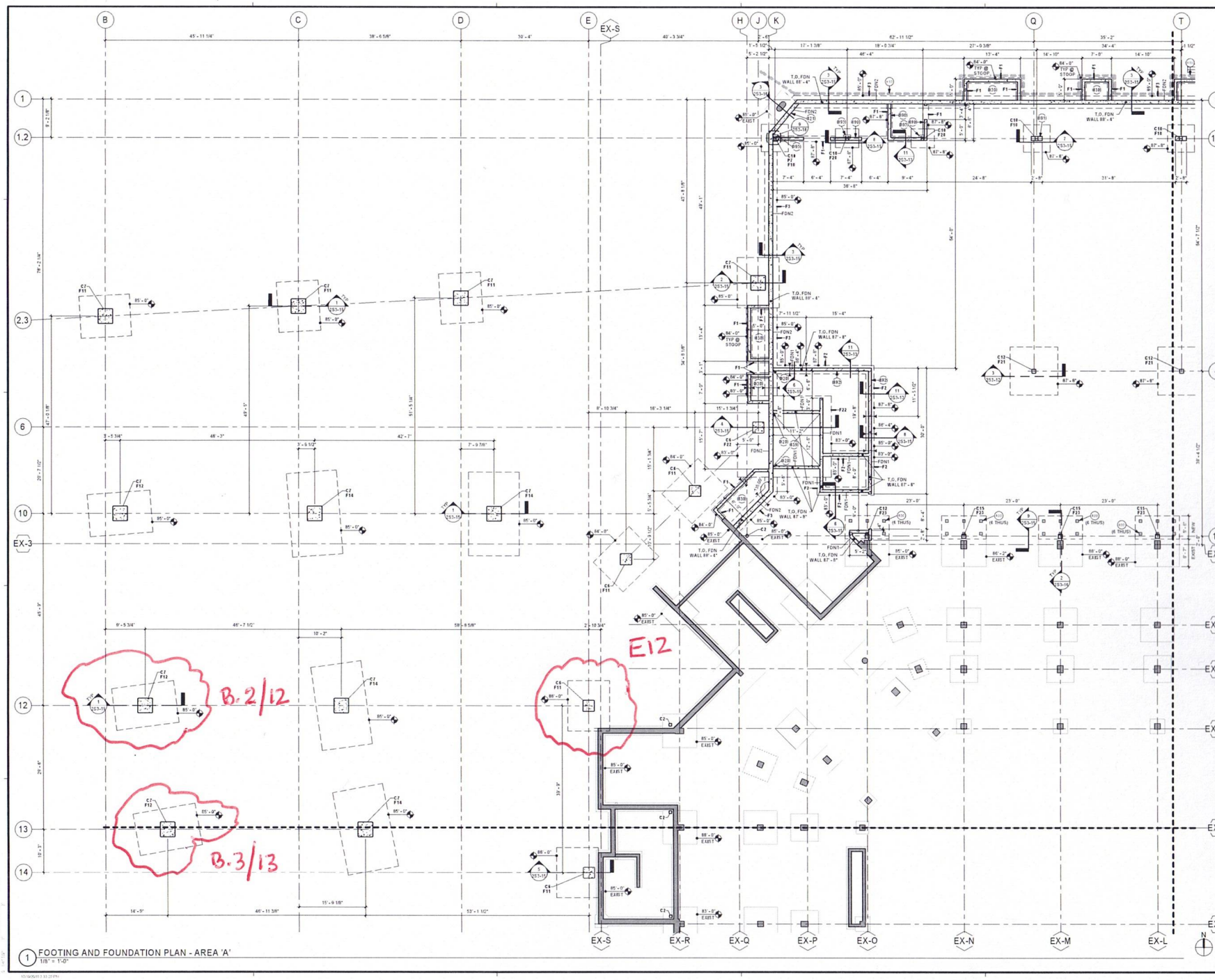
1/24/20

Strupp Trucking, Inc.

Item	Column	Location	Footing Type	Size	BOF	Over-Excav Depth	Delta Over-Excav QTY (CY)	Braun Intertec Test Report	Date of Report	Page #	Activity Dates	Trucks to Remove Unsuit
1	E12	West - along building	F11	12' x 10' x 2'	84' - 0"	3'	60	Transmittal #4	1/9/20	7, 12	12/30/19	4.5
2	B.8/18	West side of Front St #1 from South	F11	12' x 10' x 2'	83' - 6"	6'	171	Transmittal #5	1/14/20	3, 5, 9	1/6/20, 1/7/20, 1/8/20	12.5
3	B.6/15	West side of Front St #2 from South	F12	15' x 10' x 2'	83' - 6"	6'	189	Transmittal #5	1/14/20	12, 14	1/7/20, 1/8/20	13.5
4	B.3/13	West side of Front St #3 from South	F12	15' x 10' x 2'	83' - 0"	9.45'	368	Transmittal #5	1/14/20	6, 16	1/9/20, 1/10/20	26.5
5	B.2/12	West side of Front St #4 from South	F12	15' x 10' x 2'	83' - 0"	10'	403	Transmittal #5	1/14/20	6, 18	1/10/20	29
6	CG.6/EX-A	New Front (NE) Entrance	Cont	Misc	Misc	2'	12	Transmittal #2	12/17/19	3	12/12/19	1
							1203					87

	Qty	$/TN	TN/Truck	Total Tons	Total Amount
Trucks to Remove Unsuitables	87	$7.25	21	1827	$13,245.75
Trucks to Supply Good Fill*	45	$9.85	21	945	$9,308.25
		Total for Change Order Amount:			**$22,554**

*(As of 1/21/20, columns 1-4 along west edge of Front St. were not completely back-filled yet.

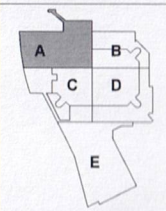


1 FOOTING AND FOUNDATION PLAN - AREA 'A'
1/8" = 1'-0"

ISG

KEYNOTE LEGEND

800	HELICAL PILE, 59 KIP ULTIMATE CAPACITY, BY OTHERS. SPACE PILES MINIMUM OF 3'-0" IN ALL DIRECTIONS. TYPICAL. 1'-0" MINIMUM DISTANCE FROM CAP EDGE TO PILE
810	4" PERFORATED DRAIN TILE WITH GEOTEXTILE WRAP COVERED WITH MINIMUM 6" PEAGROCK. CONNECT TO STORM STRUCTURE. REFER TO CIVIL DOCUMENTS
820	STEP IN TOP OF CIP FOUNDATION WALL
821	GRADE BEAM FOUNDATION WALL TO SPAN FROM NEW PAD FOOTING TO NEW WALL FOOTING TO AVOID BEARING ON EXISTING PAD FOOTING. (4) #5 BOTTOM BARS W/ #5 BARS @ 12" OC ABOVE AND #5 TIES @ 12" OC
830	5" CIP CONCRETE STOOP SLAB W/ #4 BARS @ 12" OCEW. PROVIDE 8" THICKENED SLAB EDGES. LIGHT BROOM FINISH W/ SEALER. SLOPE 1/8"/FT AWAY FROM BUILDING. ON 8" CIP CONCRETE FOUNDATION WALLS W/ #4 BARS VERTICAL @ 18" OC AND HORIZONTAL @ 12" OC CENTERED IN WALL. REFER TO TYPICAL CIP STOOP DETAIL
835	COORDINATE SUMP PIT AND DRAIN WITH MECHANICAL DOCUMENTS
850	8" CMU INTERIOR NON-LOAD BEARING WALL W/ RUNNING BOND. W/ (1) #4 VERTICAL BAR @ 72" OC. CENTERED. AND BOND BEAMS @ 72" OC W/ (2) #4 BARS. TOP OF WALL BOND BEAM WITHIN 16" OF TOP. REFER TO FOOTING AND FOUNDATION DETAILS
891	12" CMU INTERIOR NON-LOAD BEARING WALL PIER. IN RUNNING BOND. W/ #4 VERTICAL BARS. REFER TO FOOTING AND FOUNDATION DETAILS
892	8" CMU LOAD-BEARING WALL. IN RUNNING BOND. W/ (1) #5 VERTICAL BAR @ 48" OC CENTERED. AND BOND BEAMS @ 48" OC W/ (2) #4 BARS AND ADDITIONAL REINFORCED CORES AT EACH CORNER. REFER TO TYPICAL CMU DETAILS
893	ENCASE STEEL COLUMN WITH 4" SOLID CMU



KEYPLAN

PROJECT

LA CROSSE CENTER EXPANSION & RENOVATION

LA CROSSE WISCONSIN

REVISION SCHEDULE

DATE	DESCRIPTION	BY

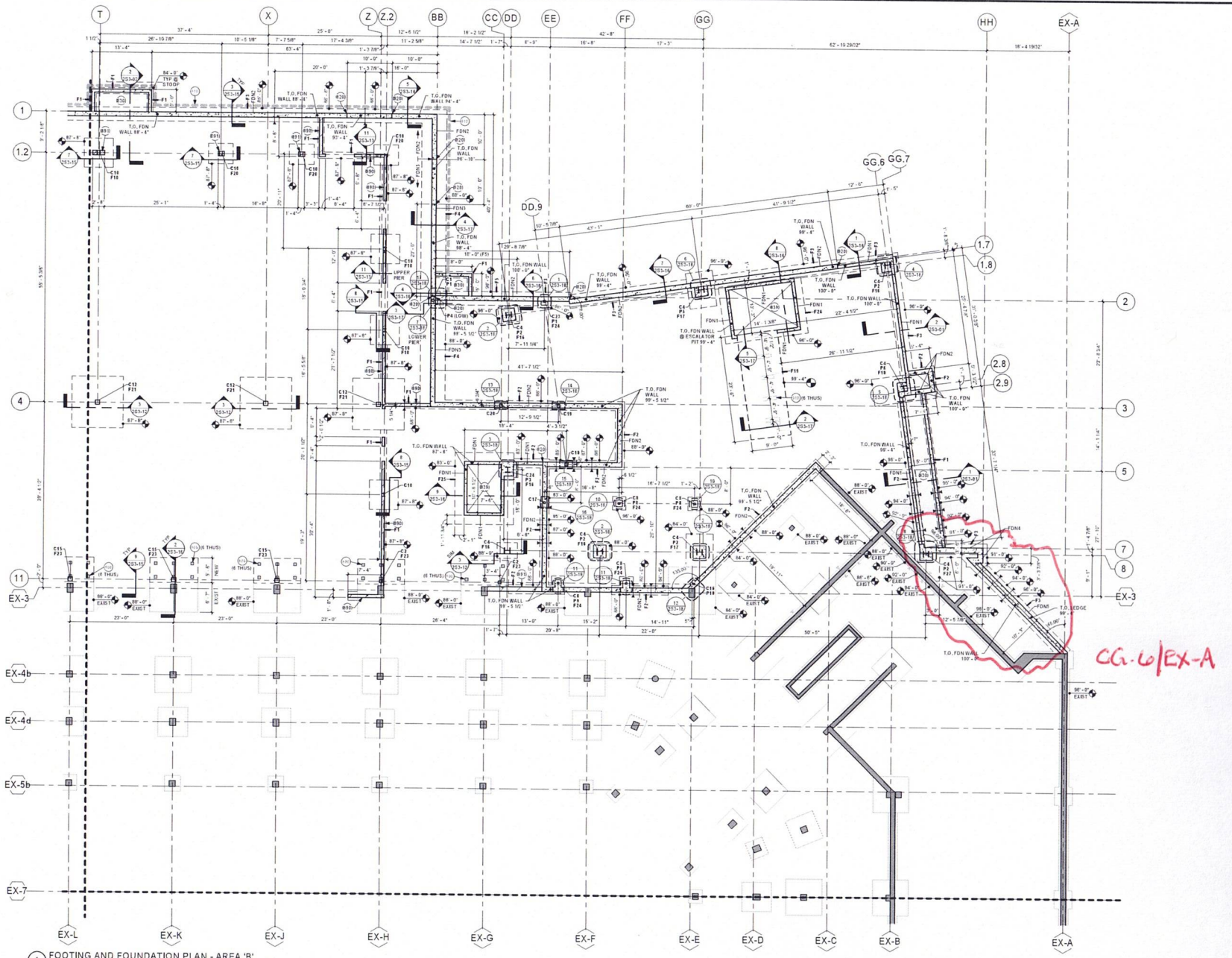
PROJECT NO.	16-19990
FILE NAME	19990 Sheet R18.rvt
DRAWN BY	RAM
DESIGNED BY	AJW
REVIEWED BY	NJE
ORIGINAL ISSUE DATE	10/18/19
CLIENT PROJECT NO.	

TITLE

FOOTING AND FOUNDATION PLAN - AREA 'A'

SHEET

2S1-21A

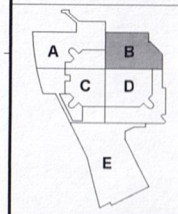


1 FOOTING AND FOUNDATION PLAN - AREA 'B'
1/8" = 1'-0"

ISG

KEYNOTE LEGEND

800	HELICAL PILE, 50 KIP ULTIMATE CAPACITY, BY OTHERS. SPACE PILES MINIMUM OF 3'-0" IN ALL DIRECTIONS. TYPICAL 1-3" MINIMUM DISTANCE FROM CAP EDGE TO PILE
810	4" PERFORATED DRAIN TILE WITH GEOTEXTILE SWRAP COVERED WITH MINIMUM 6" PEAROCK. CONNECT TO STORM STRUCTURE, REFER TO CIVIL DOCUMENTS
820	STEP IN TOP OF CIP FOUNDATION WALL
830	5" CIP CONCRETE STOOP SLAB W/ #4 BARS @ 12" OCEW. PROVIDE 8" THICKENED SLAB EDGES. LIGHT BROOM FINISH W/ SEALER. SLOPE 1/8"/FT AWAY FROM BUILDING. ON 8" CIP CONCRETE FOUNDATION WALLS W/ #4 BARS VERTICAL @ 18" OC AND HORIZONTAL @ 12" OC CENTERED IN WALL. REFER TO TYPICAL CIP STOOP DETAIL
839	COORDINATE SUMP PIT AND DRAIN WITH MECHANICAL DOCUMENTS
890	8" CMU INTERIOR NON-LOAD BEARING WALL, IN RUNNING BOND. W/ (1) #4 VERTICAL BAR @ 72" OC, CENTERED. AND BOND BEAMS @ 72" OC W/ (2) #4 BARS. TOP OF WALL BOND BEAM WITHIN 16" OF TOP. REFER TO FOOTING AND FOUNDATION DETAILS
891	12" CMU INTERIOR NON-LOAD BEARING WALL, PIER. IN RUNNING BOND. W/ #4 VERTICAL BARS. REFER TO FOOTING AND FOUNDATION DETAILS
910	STAIR STRINGER BASE. REFER TO GRAND STAIR STRINGER ELEVATIONS



KEYPLAN

PROJECT

LA CROSSE CENTER EXPANSION & RENOVATION

LA CROSSE WISCONSIN

REVISION SCHEDULE

DATE	DESCRIPTION	BY

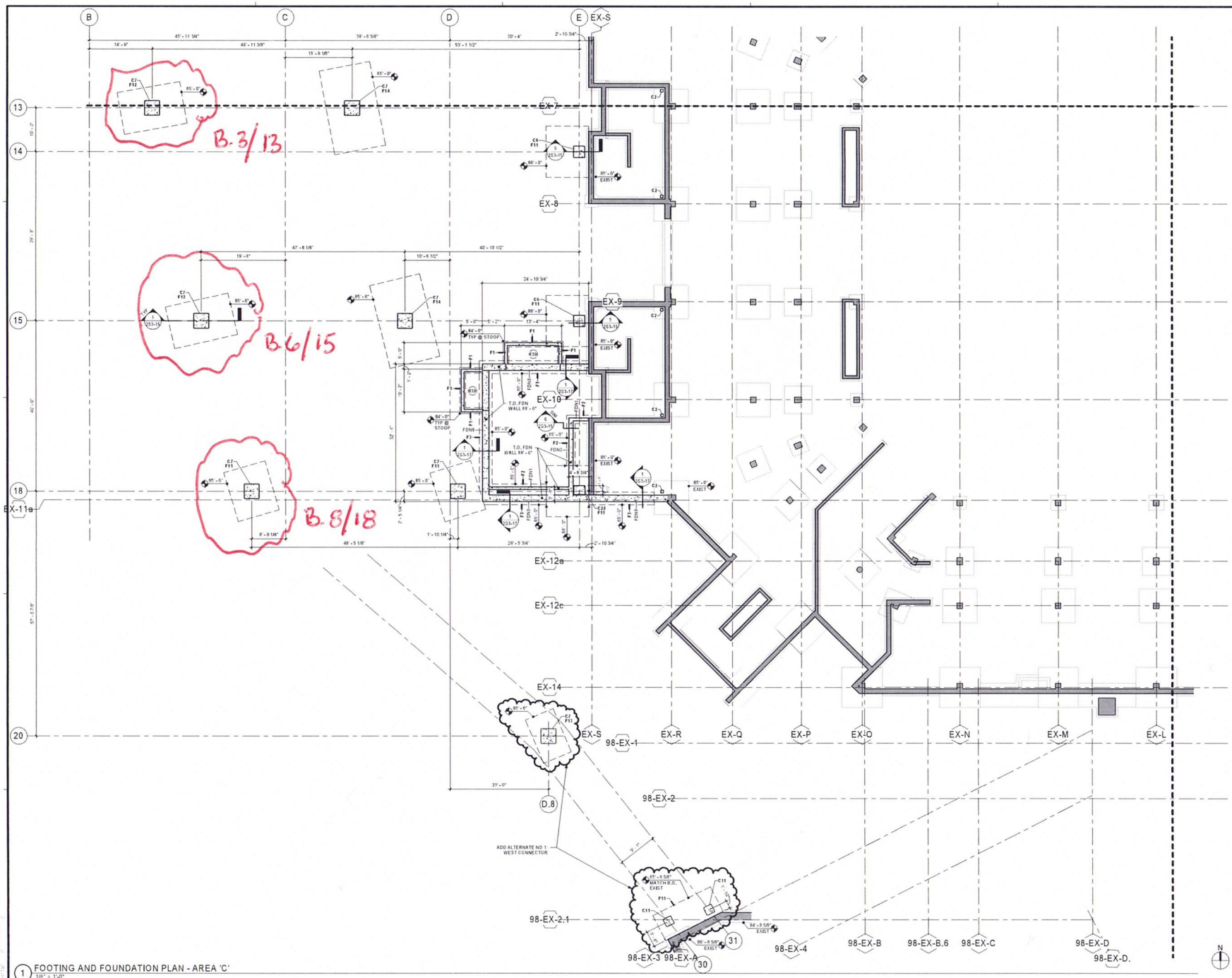
PROJECT NO.	18-19900
FILE NAME	19900 Revit R19.rvt
DRAWN BY	RAM
DESIGNED BY	AJW
REVIEWED BY	NJE
ORIGINAL ISSUE DATE	10/18/19
CLIENT PROJECT NO.	

TITLE

FOOTING AND FOUNDATION PLAN - AREA 'B'

SHEET

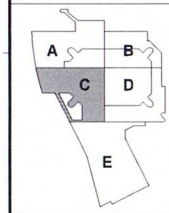
2S1-21B



ISG

KEYNOTE LEGEND

830	6" CIP CONCRETE STOOP SLAB W/ #4 BARS @ 12" OCEW. PROVIDE 8" THICKENED SLAB EDGES. LIGHT BROOM FINISH W/ SEALER. SLOPE 1/8"/FT AWAY FROM BUILDING. ON 8" CIP CONCRETE FOUNDATION WALLS W/ #4 BARS VERTICAL @ 18" OC AND HORIZONTAL @ 12" OC. CENTERED IN WALL. REFER TO TYPICAL CIP STOOP DETAIL



KEYPLAN

PROJECT

LA CROSSE CENTER EXPANSION & RENOVATION

LA CROSSE WISCONSIN

REVERION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	16-19990
FILE NAME	19990 Sheet R18.zvt
DRAWN BY	RAM
DESIGNED BY	AJW
REVIEWED BY	NJE
ORIGINAL ISSUE DATE	10/18/19
CLIENT PROJECT NO.	

TITLE

FOOTING AND FOUNDATION PLAN - AREA 'C'

SHEET

2S1-21C

Letter of Transmittal

Transmittal #2
Transmittal Date 12/17/2019

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

If you have any questions, please contact Ben Sullivan.

Table of Contents

Distribution List

Name	Company
Mosher, Rhonda	

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 12/14/2019
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
1		12/12/19	P-01	A	SP	12.0	110.0	4.6	114.1	12	104	100	A
2		12/12/19	P-01	A	SP	12.0	110.0	6.3	110.4	12	100	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
1	Structural Fill : Footing Backfill: Gridline 11/EX-A	95.0	FFE = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
2	Structural Fill : Footing Backfill: Gridline 5.5/GG.6	95.0	FFE = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
12/14/2019

BRAUN INTERTEC
The Science You Build On.

Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/12/2019
PM: Benjamin Sullivan
Report Number: 2
Temperature: 33
Technician: Wolfe, Patrick
Weather: Cloudy

Services Performed: DCP Testing / Other / Soil Density Testing / Proctor Pickup
Describe Other: Soil hand auger testing

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Wall Backfill

Number of tests performed: 2
Number of tests that met density requirements: 0
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 2
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: Brian from Strupp

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments:
Performed DCP testing of existing soils under proposed footing locations at Gridlines GG.6/8, GG.6/6.2, GG.9/7. After using larger compaction equipment, the bearing soils appeared to meet the minimum bearing pressure of 6,000 psf.

At Gridline GG.6/8, Two hand Auger probes were extended to a depth of approximately 5' below the bottom of the footing elevation. The soils encountered consisted of alluvial sands with no groundwater observed.

Performed 2 Nuclear density tests in soil corrected gridlines 6-EX-4/GG.6-EX-A where 2' of structural engineered soil was placed that met the minimum 100% compaction spec.

Picked up a proctor of native materials.

Hours on Site

Time Arrived: 11:00
Time Departed: 17:00
Total Hours: 7.00
Prep & Drive Time: 1.00
Time On Site Comments:

Patrick Wolfe

BRAUN INTERTEC
The Science You Build On.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/12/2019
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 1
Weather: Cloudy 33

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil observations and soil testing in Gridlines 6-EX-4/GG.6-EX-A

Tests Performed:
DCP testing
Hand Auger probes
Nuclear density/moisture testing

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/16/2019
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 2
Weather: Cloudy 30

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Observed horizontal steel reinforcement for the footers within Gridlines 6-EX-4/GG.6-EX-A.
Steel reinforcements appear to be in general accordance with project specifications.
Vertical steel reinforcements continuing into foundation walls to be tied in tomorrow before concrete placement.

Tests Performed:
Steel Concrete Reinforcement observation

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Standard Proctor M-D Relationship

ASTM D698

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

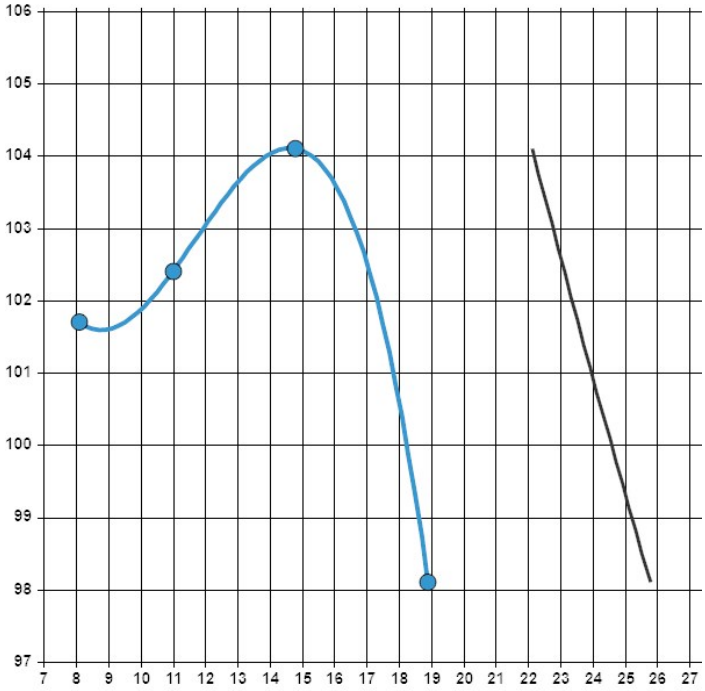
Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Sample Information

Sample Number:	286816	**Source:**	Native
Sampling Method:	Grab Bag	**Sampled By:**	Wolfe, Patrick
Location:	Structural Fill :		
Location Details:	Excavation in Northeast corner, Area B, grid lines 1.9-7/EE-HH.		
Sample Date:	12/12/2019	**Material:**	Sand
Received Date:	12/12/2019	**Lab:**	2309 Palace Street, La Crosse, WI
Tested Date:	12/13/2019	**Tested By:**	Miller, Mark

Laboratory Data



Proctor ID:	P-02		
Maximum Dry Density (pcf):	104.1		
Optimum Moisture (%):	14.6		
Method:	Method A		
Preparation Method:	Moist		
Rammer Type:	Mechanical Round		
Specific Gravity:	2.65		
Specific Gravity Source:	Assumed		
Passes #200 (%):	1.3	**Retained #200 (%):**	98.7
Retained On 3/4 (%):	0	**Retained On 3/8 (%):**	0
Retained On #4 (%):	0	**Passing #4 (%):**	100

Classification: SP Poorly graded sand, fine to medium grained, brown

General

Remarks: The % passing the #200 is for informational purposes only.

Benjamin Sullivan

BRAUN INTERTEC
The Science You Build On.

Sieve Analysis Of Aggregate

ASTM C136

12/16/2019

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

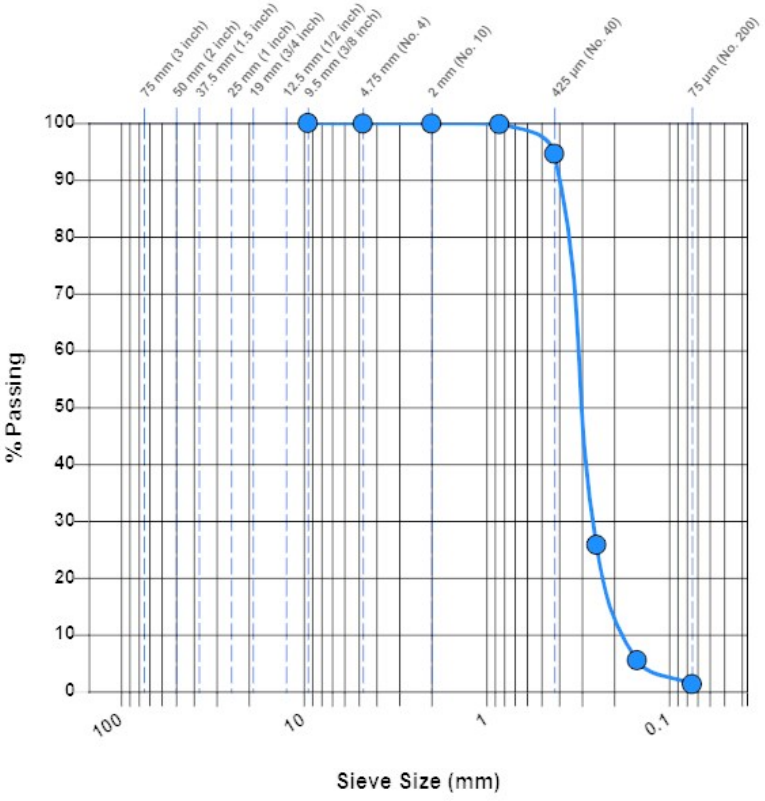
Sample Information

Sample Number:	286816	**Source:**	Native
Sampling Method:	Grab Bag	**Sampled By:**	Wolfe, Patrick
Sample From:	In Place		
Location:	Structural Fill :		
Location Details:	Excavation in Northeast corner, Area B, grid lines 1.9-7/EE-HH.		
Specification:	For Informational Purposes Only		
Sample Date:	12/12/2019	**Material:**	Sand
Received Date:	12/12/2019	**Lab:**	2309 Palace Street, La Crosse, WI
Tested Date:	12/16/2019	**Tested By:**	Miller, Mark

Laboratory Data

Sieve Size	Passing (%)	Specification
9.5 mm (3/8 inch)	100	
4.75 mm (No. 4)	100	
2 mm (No. 10)	100	
850 µm (No. 20)	100	
425 µm (No. 40)	95	
250 µm (No. 60)	26	
150 µm (No. 100)	6	
75 µm (No. 200)	1.3	

#200 Wash Loss ASTM C117 (%) 1.1



Gravel (%):	0.1	**Sand (%):**	98.6	**Silt & Clay (%):**	1.3				
D_{60} (mm):	0.3362	**D_{30} (mm):**	0.2601	**D_{10} (mm):**	0.1560	**C_U:**	2.16	**C_C:**	1.29

General

Results: The test is for informational purposes.

BRAUN INTERTEC
The Science You Build On.

Sieve Analysis Of Aggregate

ASTM C136

12/16/2019

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Benjamin Sullivan

BRAUN INTERTEC
The Science You Build On.

Letter of Transmittal

Transmittal #4
Transmittal Date 1/9/2020

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

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Distribution List

Name	Company
Mosher, Rhonda	

BRAUN INTERTEC
The Science You Build On.

Adhesive Anchors Inspection

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Weather: cloudy

Air Temperature (deg F): 33

Location: Column footings at Gridlines 15/E & 14/E

Elements being joined:
New Column footings to existing structure footings

Adhesive

Product Name / Manufacturer: Hilti HY 200-A

Lot No.: 132613L2

ICC-ES Report No.: 3187/3963

Adhesive Expiration Date: 03/31/2020 ☑ Specified Dispenser ☑ Specified Mixer

Adhesive Temperature (deg F): 33

Gel Time: 25

Cure Time: 120

Adhesive Element

Type: ☐ All-Thread ☐ Internally Threaded ☐ Torque-Controlled ☑ Rebar ☐ Other

Material: ☑ Standard ☐ Stainless Steel ☐ High Strength ☐ Epoxy Coated

Steel Grade / Coating: 60

Length (in): 12

Diam: ☐ 3/8" ☐ 1/2" ☐ 5/8" ☐ 3/4" ☐ 7/8" ☐ 1" ☐ 1 1/4"

Rebar: ☐ #3 ☐ #4 ☑ #5 ☐ #6 ☐ #7 ☐ #8 ☐ #9 ☐ #10 ☐ #11 ☐ Other

Base Material

Base Material Type: ☑ NW Concrete ☐ LW Concrete ☐ Brick ☐ CMU ☐ Other

Base Material Strength: ☐ 2000psi ☐ 3000ps ☐ 4000psi ☑ Unknown ☐ Other

Base Material Thickness (in): 12

Base Material Temperature (deg F): 33

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Drilling & Hole Cleaning

Drill Bit Diameter (in): 3/4

Hole Depth (in): 6

Drill Bit Type: ☐ Carbide-Tip Drill Bit ☐ Diamond Core Bit ☑ Hilti Vacuum drill system ☐ Other

Hole Condtions: ☑ Dry ☐ Water Saturated ☐ Water Filled ☐ Under Water

Hole Cleaning: ☐ Compressed Air ☐ Hand Pump ☑ Hilti Vacuum drill system ☐ Nylon Brush ☐ Wire Brush ☐ Other

Hole cleaning in accordance with manufacturers' printed installation instructions: ☑ Yes ☐ No

Application

Anchor Application: ☑ Tension ☐ Shear ☐ Overhead ☐ Other

Anchor Insertion: ☑ Twisting motion ☐ Annular gap filled with adhesive ☐ Air-void free injection

Minimum Anchor Spacing observed: 12"

Minimum Embedment observed: 6"

Adhesive Anchors Inspection

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Special Inspection Daily Report

2309 Palace Street
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Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/30/2019
Technician: Wolfe, Patrick

City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan

Report Number: 5
Weather: Snow 34

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:

Observed steel reinforcement for Exterior column footings in Area C, Gridline 15/E & 14/E.
Steel reinforcements appear to be in general accordance with project specifications and steel shop drawings.

Tests Performed:

Steel Concrete Reinforcement observation

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

Attachments

Footing steel reinforcement at gridline 15/E

Special Inspection Daily Report

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Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
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Footing steel reinforcement at gridline 14/E

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

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Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/30/2019
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 6
Weather: Snow 33

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil and excavation observations for column footer in Area A, Gridline E/12

Tests Performed:
Excavation Observation revealed that approximately 3' of fill had to be removed to get to the depth of the native alluvial sand soils.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

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300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/31/2019
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 7
Weather: Partly Clear 32

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Observed steel reinforcement for partial Exterior columns in Area C, Gridline 15/E & 14/E.
Steel reinforcements appear to be in general accordance with project specifications and steel shop drawings.

Tests Performed:
Steel Concrete Reinforcement observation

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

Attachments

First 2' pour of column at 15/E

2309 Palace Street
La Crosse, WI 54603
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Client:

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First 2' pour of column at 14/E

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
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To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

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Project:
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300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/02/2020
Technician: Miller, Mark
City of: LaCrosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 8
Weather: Mostly Cloudy 37

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Observed the fibers in place of the wire mesh and the concrete placement in the Area B Int SOG between grids 7 to EX-4b / EX-A to GG.8

Tests Performed:
Visual Observations

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

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Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
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Client:
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La Crosse, WI 54601

Project:
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300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 12/30/2019
PM: Benjamin Sullivan
Report Number: 11
Temperature: 34
Technician: Wolfe, Patrick
Weather: Snow

Services Performed: Concrete Testing / Other / Soil Density Testing
Describe Other: Steel reinforcement observation

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Utilities / Building Pad

Number of tests performed: 7
Number of tests that met density requirements: 7
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 0
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: Pete from Strupp

Concrete Testing

Proposed total yardage: 19
Areas Tested: Footing/Column pad

Placement location: Exterior column footing in Area C, Gridline 15/E & 14/E
Fresh concrete tests performed: Temperature / Slump / Air Content / Cast Cylinders
Contractor notified of test results: Yes
Name of person notified: Nate from Wieser

Test Data

Set #	Samp #	Sample Size	Air %	Slump / Spread	Temp (F)	Unit Wt (lbs)	Spec Stren	Mix	Supplier
3	288545	4 x 8"	1.4	3.75	65		3000	LH 3000 1S	River City RM

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Observed steel reinforcements and tested concrete for Exterior column footings in Area C, Gridline 15/E.

Reinforcements and concrete appear as per plans and specs.

Cast 5-4x8 cylinders to test for compressive strength.

Performed nuclear density testing of 3' over dig/ backfill at gridline 12/E under proposed footing location. Compacted soil correction appeared to meet the minimum 100% compaction.

Hours on Site

Time Arrived: 11:00
Time Departed: 15:45
Total Hours: 5.50
Prep & Drive Time: 0.75

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Daily Field Notes

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City of La Crosse
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Project:

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Time On Site Comments:

Patrick Wolfe

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La Crosse, WI 54601

Activity Date: 12/31/2019
PM: Benjamin Sullivan
Report Number: 12
Temperature: 33
Technician: Wolfe, Patrick
Weather: Cloudy

Services Performed: Concrete Testing / Cylinder Pickup / Other
Describe Other: Steel reinforcement observation

Concrete Testing

Proposed total yardage: 2
Areas Tested: Columns

Placement location: Exterior column (partial)in Area C, Gridline 15/E & 14/E
Fresh concrete tests performed: Temperature / Slump / Air Content / Cast Cylinders
Contractor notified of test results: Yes
Name of person notified: Nate from Wieser

Test Data

Set #	Samp #	Sample Size	Air %	Slump / Spread	Temp (F)	Unit Wt (lbs)	Spec Stren	Mix	Supplier
4	288635	4 x 8"	4.0	4.00	56		4500	GR AFA 25	River City RM

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Observed steel reinforcements and tested concrete for Exterior columns (partial) in Area C, Gridline 15/E & 14/E.

Nate from Wieser and Jon from KA were notified of the low air at 4%, specs range (4.5-7.5).
Otherwise Reinforcements and concrete appear as per plans and specs.

Cast 5-4x8 cylinders to test for compressive strength.

Picked up cylinders from previous casting.

Hours on Site

Time Arrived: 12:00
Time Departed: 14:15
Total Hours: 3.00

Prep & Drive Time: 0.75
Time On Site Comments:

Patrick Wolfe

BRAUN INTERTEC
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La Crosse, WI 54601

Project:
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La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/02/2020
PM: Benjamin Sullivan
Report Number: 13
Temperature: 37
Technician: Miller, Mark
Weather: Mostly Cloudy

Services Performed: Concrete Testing / Soil Density Testing / Cylinder Pickup

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Building Pad / Other

Number of tests performed: 6
Number of tests that met density requirements: 6
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 0
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: Jon Bush w/K/A

Concrete Testing

Proposed total yardage: 4
Areas Tested: Slab on Grade

Placement location: Area B Int SOG between grids 7 to EX-4b / EX-A to GG.8
Fresh concrete tests performed: Temperature / Slump / Air Content / Cast Cylinders
Contractor notified of test results: Yes
Name of person notified: Jon Bush w/K/A

Test Data

Set #	Samp #	Sample Size	Air %	Slump / Spread	Temp (F)	Unit Wt (lbs)	Spec Stren	Mix	Supplier
5	288700	4 x 8"	1.4	3.50	62		3500	CI3500Int	River City

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments:
Picked up concrete cyl set #4.
Observed the placement of the concrete in the Area B Int SOG between grids 7 to EX-4b / EX-A to GG.8. Concrete tested appears to be acceptable as per the job plans and specs.
Performed 6 compaction tests on the footing and column backfill. Tests taken met the required percent compaction depending on the location of the tests.

Hours on Site

Time Arrived:
Time Departed:
Total Hours: 3.50
Prep & Drive Time:
Time On Site Comments:

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Daily Field Notes

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
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Mark Miller

BRAUN INTERTEC
The Science You Build On.

Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/03/2020
PM: Benjamin Sullivan
Report Number: 14
Temperature: 39
Technician: Miller, Mark
Weather: Cloudy

Services Performed: Cylinder Pickup / Other
Describe Other: Vibration Monitor Troubleshooting

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Picked up concrete cyl set #5.
Troubleshooting on the Vibration Monitor.

Hours on Site

Time Arrived:
Time Departed:
Total Hours: 1.00
Prep & Drive Time:
Time On Site Comments:

Mark R Miller

Mark Miller

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/4/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
28		12/30/19	P-03	A	SP	9.2	114.8	6.6	115.1	12	100	100	A
29		12/30/19	P-03	A	SP	9.2	114.8	6.5	115.1	12	100	100	A
30		12/30/19	P-03	A	SP	9.2	114.8	6.4	114.8	12	100	100	A
31		12/30/19	P-03	A	SP	9.2	114.8	7.6	116.0	12	101	100	A
32		12/30/19	P-03	A	SP	9.2	114.8	5.2	120.6	12	105	100	A
33		12/30/19	P-03	A	SP	9.2	114.8	7.7	115.1	12	100	100	A
34		12/30/19	P-03	A	SP	9.2	114.8	7.9	114.8	12	100	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
28	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	82.0	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
29	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	83.0	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
30	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	83.5	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
31	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	81.0	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
32	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	83.5	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
33	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	84.0	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
34	Structural Fill : Footing Backfill: Exterior column footings in Area A, Gridline 12/E.	84.0	Top of Footing = 85'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/04/2020

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/4/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
35		1/2/20	P-02	A	SP	14.6	104.1	4.1	104.3	12	100	100	A
36		1/2/20	P-03	A	SP	9.2	114.8	4.9	114.6	12	100	100	A
37		1/2/20	P-03	A	SP	9.2	114.8	6.2	112.0	12	98	98	A
38		1/2/20	P-03	A	SP	9.2	114.8	6.4	112.1	12	98	98	A
39		1/2/20	P-03	A	SP	9.2	114.8	7.1	112.2	12	98	98	A
40		1/2/20	P-03	A	SP	9.2	114.8	6.3	112.4	12	98	98	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
35	Structural Fill : Footing Backfill: Area A Footing Pad at grids EX-3 / EX-S.	82.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark
36	Structural Fill : Footing Backfill: Area A Footing Pad at grids D.2-10.	82.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark
37	Structural Fill :: Exterior Column / Wall backfill at grids E-14.5.	88.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark
38	Structural Fill :: Exterior Column / Wall backfill at grids D-14.4.	89.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark
39	Structural Fill :: Exterior Column / Wall backfill at grids D.5-15.	87.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark
40	Structural Fill :: Exterior Column / Wall backfill at grids D.7-13.5.	88.0	Arena Floor = 89'	Troxler / 3430 / 23601 /	Miller, Mark

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/04/2020

BRAUN INTERTEC
The Science You Build On.

Compressive Strength of Concrete

Test Method: ASTM C39

Report Date: 1/6/2020
Sample: 288545

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Sample Details

Set #:	3	**Technician:**	Wolfe, Patrick	**Batched:**	11:02 CST
Specimen Size:	4" X 8"	**Cast By:**	Wolfe, Patrick	**Sampled:**	11:30 CST
Specimens In Set:	5	**Date Cast:**	12/30/19	**Cast:**	11:35 CST
Truck / Ticket #:	27 / 53752	**Sampled From:**	Chute	**Truck Empty:**	11:45 CST
Contractor:	Wieser Brothers General Contractor, Inc.	**Placement Method:**	Chute	**Placement Time:**	43 (min)

Location

Placement Location: Building Exterior - Footing
Location Details: Exterior column footing in Area C, Gridline 15/E.
Sample Location / Notes: Exterior column footing in Area C, Gridline 15/E.

Batch Log

Supplier:	River City Ready Mix	**Mix Design:**	LH 3000 1S
Plant:	La Crosse WI		
On-Site Admixtures:	None		

Specifications

Strength:	3000 (psi)
Air:	Not Required - Not Required (%)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Snow	**Slump (in):**	3-3/4 (ASTM C143)	**Plastic Unit Weight:**	
Air Temperature (F):	34	**Concrete Temp (F):**	65 (ASTM C1064)	**Air Content:**	1.4 (ASTM C231)
				Load Volume:	9.5 (yd^3)

Lab Test Results

Testing Lab: La Crosse, 2309 Palace Street, La Crosse, WI

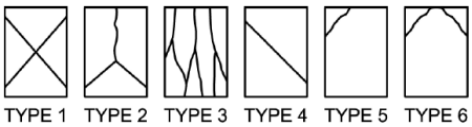
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in^2)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
3-1	7	01/06/20	1 / 6	4.00	12.57	45,760	3,640	2	1A	N
3-2	28	01/27/20	1 / 27							
3-3	28	01/27/20	1 / 27							
3-4	28	01/27/20	1 / 27							
3-5	35 H	02/03/20	1 / 34							

Test Age Average Strengths (psi): 7 Day - **3640**

1A: The test result is for informational purposes.
Tested By: Tim Kronebusch (1)
Checked In : 12/31/2019 (1,2,3,4,5)

Capping Methods

N: ASTM C1231, Unbonded Caps



Benjamin Sullivan
01/06/2020

BRAUN INTERTEC
The Science You Build On.

Letter of Transmittal

Transmittal #5
Transmittal Date 1/14/2020

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
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400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

If you have any questions, please contact Ben Sullivan.

Table of Contents

Distribution List

Name	Company
Mosher, Rhonda	

BRAUN INTERTEC
The Science You Build On.

Daily Field Notes

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Client:
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La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/06/2020
PM: Benjamin Sullivan
Report Number: 15
Temperature: 37
Technician: Wolfe, Patrick
Weather: Clear

Services Performed: Concrete Testing

Concrete Testing

Proposed total yardage: 47
Areas Tested: Footing/Column pad

Placement location: Exterior Area A, Column Pads at Gridlines 12/E, 10/D.3 and 10.4/F
Fresh concrete tests performed: Temperature / Slump / Air Content / Cast Cylinders
Contractor notified of test results: Yes
Name of person notified: Nate from Wieser

Test Data

Set #	Samp #	Sample Size	Air %	Slump / Spread	Temp (F)	Unit Wt (lbs)	Spec Stren	Mix	Supplier
6	289102	4 x 8"	2.7	5.25	62		3000	LH 3000 1S	River City RM

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Tested concrete for Exterior Area A, Column Pads at Gridlines 12/E, 10/D.3 and 10.4/F

Concrete appears as per plans and specs.

Cast 5-4x8 cylinders to test for compressive strength.

Hours on Site

Time Arrived: 12:30
Time Departed: 15:45
Total Hours: 5.50

Prep & Drive Time: 0.75
Time On Site Comments:

Patrick Wolfe

Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/07/2020
PM: Benjamin Sullivan
Report Number: 16
Temperature: 34
Technician: Wolfe, Patrick
Weather: Cloudy

Services Performed: Concrete Testing / Soil Density Testing / Cylinder Pickup

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Building Pad

Number of tests performed: 8
Number of tests that met density requirements: 8
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 0
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: JR from Strupp

Concrete Testing

Proposed total yardage: 5
Areas Tested: Footing/Column pad

Placement location: Tested concrete for partial Exterior columns in Area A, Gridline 12/E, 10/D.3 & 10.4/F
Fresh concrete tests performed: Temperature / Slump / Air Content / Cast Cylinders
Contractor notified of test results: Yes
Name of person notified: Nate from Wieser & Jon from KA

Test Data

Set #	Samp #	Sample Size	Air %	Slump / Spread	Temp (F)	Unit Wt (lbs)	Spec Stren	Mix	Supplier
7	29236	4 x 8"	5.9	4.50	56		4500	GR AFA 25	River City RM

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Tested concrete for partial Exterior columns in Area A, Gridline 12/E, 10/D.3 & 10.4/F

Concrete slump spec is 3”-4” and tested at 4-1/2”.
Temperature and air appear as per plans and specs.

Cast 5-4x8 cylinders to test for compressive strength.

Performed 8 nuclear density tests of backfill at gridline 18/B.8 under proposed column pad footing location.
Compacted soil correction appeared to meet the minimum 100% compaction.

Hours on Site

Time Arrived: 08:00
Time Departed: 15:15
Total Hours: 8.00
Prep & Drive Time: 0.75

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Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Time On Site Comments:

Patrick Wolfe

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Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/08/2020
PM: Benjamin Sullivan
Report Number: 17
Temperature: 8
Technician: Wolfe, Patrick
Weather: Clear

Services Performed: Soil Density Testing / Cylinder Pickup

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Building Pad

Number of tests performed: 8
Number of tests that met density requirements: 8
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 0
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: JR from Strupp

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments: Picked up 5-4x8 cylinders to test for compression strength.

Performed 8 nuclear density tests of backfill at gridline 18/B.8 under proposed column pad footing location. Compacted soil correction appeared to meet the minimum 100% compaction.

Hours on Site

Time Arrived: 08:00
Time Departed: 15:45
Total Hours: 8.50

Prep & Drive Time: 0.75
Time On Site Comments:

Patrick Wolfe

BRAUN INTERTEC
The Science You Build On.

Daily Field Notes

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/10/2020
PM: Benjamin Sullivan
Report Number: 19
Temperature: 30
Technician: Wolfe, Patrick
Weather: Cloudy

Services Performed: Soil Density Testing / Other
Describe Other: Performed pre construction survey on north skywalk and retaining wall

Density Testing

Method: Nuclear - ASTM D6938
Areas Tested: Building Pad

Number of tests performed: 6
Number of tests that met density requirements: 6
Number of tests that did not meet density requirements: 0
Number of tests with results pending: 0
Fill source: On-Site
Type and source of imported fill:
Contractor notified of test results: Yes
Name of person notified: JR from Strupp

Remarks / Comments

Were all scheduled activities completed: Yes
Were there any delays affecting our activities: No
Report emailed to client or contractor: No
General Comments:
Performed 2 nuclear density tests at final elevation of soil correction at column pad gridline 13/B.3
Compacted soil correction appeared to meet the minimum 100%.

Performed 4 nuclear density tests for soil correction at column pad gridline 12/B.2. Compacted soil correction appeared to meet the minimum 100%.

Performed a preconstruction survey on walkway and retaining wall between Radisson & Lax Ctr.

Hours on Site

Time Arrived: 10:00
Time Departed: 16:30
Total Hours: 7.25
Prep & Drive Time: 0.75
Time On Site Comments:

Patrick Wolfe

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/06/2020
Technician: Wolfe, Patrick

City of: LaCrosse, WI
Braun Intertec PM: Benjamin Sullivan

Report Number: 9
Weather: Clear 38

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Observed the steel reinforcements and the concrete placement in Area A, Exterior Column Pads at gridlines 12/E, 10.4/F and 10/D.3

Tests Performed:
Visual Observations

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/06/2020
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 10
Weather: Cloudy 37

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil and excavation observations for column footer in Area B, Gridline 18/B.8

Tests Performed:
Excavation observations revealed, that at approximately 6' below bottom of proposed column pad, clean native alluvial soils and groundwater were present.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/07/2020
Technician: Wolfe, Patrick

City of: LaCrosse, WI
Braun Intertec PM: Benjamin Sullivan

Report Number: 11
Weather: Cloudy 33

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:

Observed the steel reinforcements and the concrete placement in Area A, for partial Exterior Columns at gridlines 12/E, 10.4/F and 10/D.3

Tests Performed:

Visual Observations

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/07/2020
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 12
Weather: Cloudy 33

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

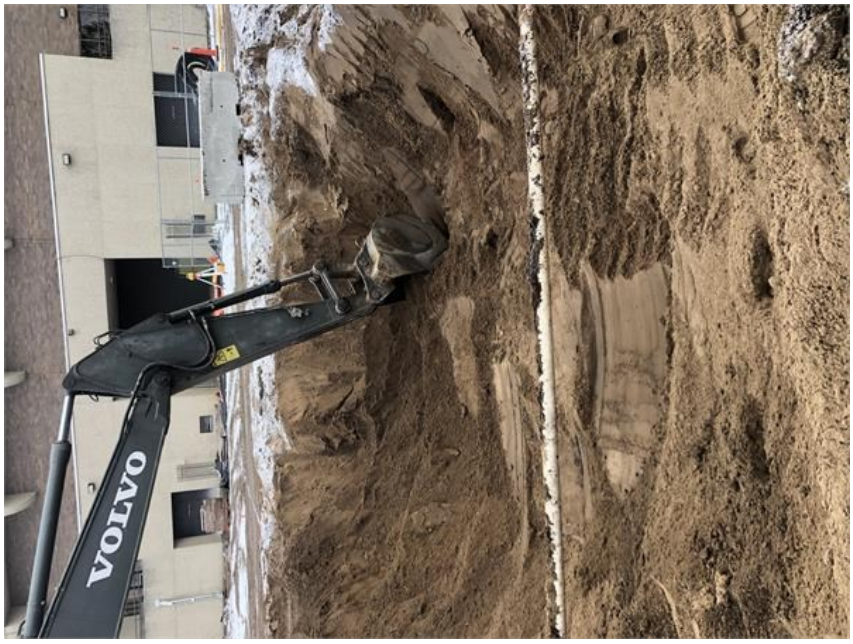
Work Completed Description:
Performed soil and excavation observations for column footer in Area B, Gridline 15/B.6

Tests Performed:
Excavation observations revealed that an over dig was necessary to get to clean native alluvial soils.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

Attachments



2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Looking east

Looking west

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/08/2020
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 13
Weather: Clear 8

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil and excavation observations for soil corrections under column footer in Area B, Gridline 15/B.6

Tests Performed:
Excavation observations revealed that fill was present to a depth of 15.5’ where groundwater was also encountered. At this over dig elevation approximately 2’ of clear rock was added before backfill began.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

Attachments

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/09/2020
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 14
Weather: Cloudy 37

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil and excavation observations for soil corrections under column footer in Area A/B at Gridline 13/B.3

Tests Performed:
Excavation observations revealed that unacceptable fill was present to a depth of 9.45’ below proposed column pad, where groundwater was also encountered. At this over dig elevation all saturated soils were removed and approximately 2’ of clear rock was added before backfill began.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

Attachments

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:

City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:

B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Final depth of excavation

Clear rock being placed before soil backfill begins

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Special Inspection Daily Report

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Activity Date: 01/10/2020
Technician: Wolfe, Patrick
City of: La Crosse, WI
Braun Intertec PM: Benjamin Sullivan
Report Number: 15
Weather: Cloudy 30

Coverage	Frequency	Notes
Soils	Periodic	

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed soil and excavation observations for soil corrections under column footer in Area A at Gridline 12/B.2

Tests Performed:
Excavation observations revealed that unacceptable fill was present to a depth of approximately 10’ below proposed column pad, where groundwater was also encountered. At this over dig elevation all saturated soils were removed and approximately 2’ (30 cy) of clear rock was added before backfill began.

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: Yes

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

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Compressive Strength of Concrete

Test Method: ASTM C39

Report Date: 1/10/2020
Sample: 288635

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Sample Details

Set #:	4	**Technician:**	Wolfe, Patrick	**Batched:**	13:04 CST
Specimen Size:	4" X 8"	**Cast By:**	Wolfe, Patrick	**Sampled:**	13:20 CST
Specimens In Set:	5	**Date Cast:**	12/31/19	**Cast:**	13:25 CST
Truck / Ticket #:	27 / 53781	**Sampled From:**	Chute	**Truck Empty:**	13:50 CST
Contractor:	Wieser Brothers General Contractor, Inc.	**Placement Method:**	Chute	**Placement Time:**	46 (min)

Location

Placement Location: Building Exterior - Column
Location Details: Exterior column (partial) in Area C, Gridline 15/E & 14/E
Sample Location / Notes: Exterior column (partial) in Area C, Gridline 15/E

Batch Log

Supplier:	River City Ready Mix	**Mix Design:**	GR AFA 25
Plant:	La Crosse WI		
On-Site Admixtures:	None		

Specifications

Strength:	4500 (psi)
Air:	4.5 - 7.5 (%)
Slump:	2 - 4 (in)

Field Measurements

Weather:	Cloudy	**Slump (in):**	4 (ASTM C143)	**Plastic Unit Weight:**	
Air Temperature (F):	30	**Concrete Temp (F):**	56 (ASTM C1064)	**Air Content:**	4.0 (ASTM C231)
				Load Volume:	1.5 (yd^3)

Lab Test Results

Testing Lab: La Crosse, 2309 Palace Street, La Crosse, WI

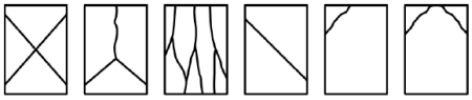
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in^2)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
4-1	7	01/07/20	2 / 5	4.01	12.63	65,410	5,180	5	1A	N
4-2	28	01/28/20	2 / 26							
4-3	28	01/28/20	2 / 26							
4-4	28	01/28/20	2 / 26							
4-5	35 H	02/04/20	2 / 33							

Test Age Average Strengths (psi): 7 Day - **5180**

1A: The test result is for informational purposes.
Tested By: Tim Kronebusch (1)
Checked In : 01/02/2020 (1,2,3,4,5)

Capping Methods

N: ASTM C1231, Unbonded Caps



Benjamin Sullivan
01/10/2020

BRAUN INTERTEC
The Science You Build On.

Compressive Strength of Concrete

Test Method: ASTM C39

Report Date: 1/10/2020
Sample: 288700

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Sample Details

Set #:	5	**Technician:**	Miller, Mark	**Batched:**	07:59 CST
Specimen Size:	4" X 8"	**Cast By:**	Miller, Mark	**Sampled:**	08:25 CST
Specimens In Set:	5	**Date Cast:**	01/02/20	**Cast:**	08:30 CST
Truck / Ticket #:	30 / 53790	**Sampled From:**	Chute	**Truck Empty:**	08:45 CST
Contractor:	Wieser Brothers General Contractor, Inc.	**Placement Method:**	Chute	**Placement Time:**	46 (min)

Location

Placement Location: Building Interior - Slab on Grade
Location Details: Area B between grids 7 to EX-4b to EX-A to GG.8.
Sample Location / Notes: Area B between grids 7 to EX-4b to EX-A to GG.8.

Batch Log

Supplier:	River City Ready Mix	**Mix Design:**	CI3500Int
Plant:	La Crosse WI		
On-Site Admixtures:	None		

Specifications

Strength:	3500 (psi)
Air:	Not Required - Not Required (%)
Slump:	3 - 4 (in)

Field Measurements

Weather:	Mostly Cloudy	**Slump (in):**	3-1/2 (ASTM C143)	**Plastic Unit Weight:**	
Air Temperature (F):	37	**Concrete Temp (F):**	62 (ASTM C1064)	**Air Content:**	1.4 (ASTM C231)
				Load Volume:	4 (yd^3)

Lab Test Results

Testing Lab: La Crosse, 2309 Palace Street, La Crosse, WI

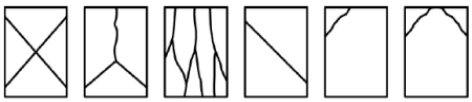
Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in^2)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
5-1	7	01/09/20	1 / 6	4.00	12.57	52,060	4,140	2	1A	N
5-2	28	01/30/20	1 / 27							
5-3	28	01/30/20	1 / 27							
5-4	28	01/30/20	1 / 27							
5-5	35 H	02/06/20	1 / 34							

Test Age Average Strengths (psi): 7 Day - **4140**

1A: The test result is for informational purposes.
Tested By: Patrick Wolfe (1)
Checked In : 01/03/2020 (1,2,3,4,5)

Capping Methods

N: ASTM C1231, Unbonded Caps



Benjamin Sullivan
01/10/2020

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/10/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
41		1/7/20	P-03	A	SP	9.2	114.8	4.3	117.5	12	102	100	A
42		1/7/20	P-03	A	SP	9.2	114.8	5.0	115.1	12	100	100	A
43		1/7/20	P-03	A	SP	9.2	114.8	5.2	115.1	12	100	100	A
44		1/7/20	P-03	A	SP	9.2	114.8	5.2	115.5	12	101	100	A
45		1/7/20	P-01	A	SP	12.0	110.0	5.8	111.6	12	101	100	A
46		1/7/20	P-01	A	SP	12.0	110.0	5.2	113.0	12	103	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
41	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
42	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
43	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	98.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
44	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	98.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
45	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	99.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
46	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area B, gridline 18/B.8	99.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/10/2020

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/10/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
47		1/8/20	P-01	A	SP	12.0	110.0	4.3	112.0	12	102	100	A
48		1/8/20	P-01	A	SP	12.0	110.0	5.6	113.1	12	103	100	A
49		1/8/20	P-03	A	SP	9.2	114.8	5.0	117.4	12	102	100	A
50		1/8/20	P-03	A	SP	9.2	114.8	4.7	114.5	12	100	100	A
51		1/8/20	P-03	A	SP	9.2	114.8	5.7	118.1	12	103	100	A
52		1/8/20	P-03	A	SP	9.2	114.8	6.7	115.9	12	101	100	A
53		1/8/20	P-03	A	SP	9.2	114.8	6.8	117.2	12	102	100	A
54		1/8/20	P-03	A	SP	9.2	114.8	6.8	117.5	12	102	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
47	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
48	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
49	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	98.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
50	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	98.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
51	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	99.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
52	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	99.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
53	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	100.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
54	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area C, gridline 15/B.6	100.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/10/2020

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/10/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
55		1/9/20	P-03	A	SP	9.2	114.8	6.3	109.5	12	95	95	A
56		1/9/20	P-03	A	SP	9.2	114.8	5.5	113.6	12	99	95	A
57		1/9/20	P-03	A	SP	9.2	114.8	11.1	110.5	12	96	95	A
58		1/9/20	P-03	A	SP	9.2	114.8	7.2	110.8	12	97	95	A
59		1/9/20	P-03	A	SP	9.2	114.8	7.3	113.6	12	99	95	A
60		1/9/20	P-03	A	SP	9.2	114.8	5.5	112.1	12	98	95	A
61		1/9/20	P-03	A	SP	9.2	114.8	5.8	113.0	12	98	95	A
62		1/9/20	P-03	A	SP	9.2	114.8	4.2	110.0	12	96	95	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
55	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	96.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
56	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	97.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
57	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	99.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
58	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	99.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
59	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	96.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
60	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	98.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
61	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	99.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
62	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 7-12.5/D-G.2	100.0	Top of Pedestal = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

BRAUN INTERTEC
The Science You Build On.

2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/10/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
63		1/9/20	P-03	A	SP	9.2	114.8	4.3	114.4	12	100	100	A
64		1/9/20	P-03	A	SP	9.2	114.8	4.4	114.6	12	100	100	A
65		1/9/20	P-01	A	SP	12.0	110.0	5.0	113.5	12	103	100	A
66		1/9/20	P-01	A	SP	12.0	110.0	5.0	110.9	12	101	100	A
67		1/9/20	P-01	A	SP	12.0	110.0	3.2	111.0	12	101	100	A
68		1/9/20	P-01	A	SP	12.0	110.0	3.8	112.7	12	102	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
63	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	96.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
64	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	96.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
65	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
66	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	97.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
67	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	98.5	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
68	Structural Fill : Footing Backfill: Structural Fill for Column Pad footing in Area A, gridline 13/C.4	98.5	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/10/2020

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2309 Palace Street
La Crosse, WI 54603
Phone: 608-781-7277

Field Compaction Report

Report Date: 1/13/2020
Test Method: ASTM D6938

Client:
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Project:
B1913016
La Crosse Center Expansion & Renovations
300 Harborview Plaza
La Crosse, WI 54601

Test Results

Test #	Retest Of	Test Date	Proctor ID	Method	Soil Classification	Optimum Moisture (%)	Maximum Dry Density (pcf)	In Place Moisture (%)	In Place Dry Density (pcf)	Probe Depth (in)	Percent Compaction	Min Comp. (%)	Remark
69		1/10/20	P-01	A	SP	12.0	110.0	3.4	112.7	12	102	100	A
70		1/10/20	P-01	A	SP	12.0	110.0	3.6	113.2	12	103	100	A
71		1/10/20	P-01	A	SP	12.0	110.0	4.4	112.9	12	103	100	A
72		1/10/20	P-01	A	SP	12.0	110.0	4.4	112.9	12	103	100	A
73		1/10/20	P-01	A	SP	12.0	110.0	8.6	110.5	12	100	100	A
74		1/10/20	P-01	A	SP	12.0	110.0	6.7	112.6	12	102	100	A

Test Information

Test #	Test Location	Elevation	Reference	Gauge Make / Model / SN / Calibrated	Field Technician
69	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 13/C.4	100.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
70	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 13/C.4	100.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
71	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 12/B.2	95.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
72	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 12/B.2	95.0	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
73	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 12/B.2	96.5	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick
74	Structural Fill : Footing Backfill: Backfill for soil correction under column pad at gridline 12/B.2	96.5	Bottom of Footing = 100'	Troxler / 3430 Plus / 73868 / 5/22/2018	Wolfe, Patrick

Remarks	Comments
A: Test results comply with specifications	Tests are "Direct Transmission" (Method A) unless probe depth is noted as "Backscatter". Gauge calibration data on file with the testing agency.

Benjamin Sullivan
01/13/2020