



W.T. RICH COMPANY, INC.

**Manchester Memorial
Elementary School
Manchester-by-the-Sea, MA**

MONTHLY CONSTRUCTION REPORT



Owner:
**Manchester Essex Regional School
District**
Manchester-by-the-Sea, MA

Owner's Project Manager:
Dore & Whittier Management Partners

Designer:
JCJ Architecture
Boston, MA

Construction Manager:
W. T. RICH COMPANY, INC.
29 Crafts Street, Suite 300
Newton, MA 02458
617-467-6010

October 2019

**Manchester Memorial Elementary School
Monthly Construction Report Summary – October 2019**

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**Manchester Memorial Elementary School
Monthly Construction Report Summary – October 2019**

SECTION 2 - PROJECT SCHEDULE UPDATE

Summary:

Our attached schedule update has a **data date of 10/31/19**, so is inclusive of all progress through this date. Below are several notes in summary of progress and anticipated schedule, shown in our schedule update.

Permitting:

- Building Permit has been received and is posted.

Phase 1 – Upcoming Critical Path Milestones (per Original P6 Baseline Schedule):

MILESTONE ACTIVITY	TARGET COMPLETION	ACTUAL COMPLETION DATE
Demolition & Abatement (Turnover to Site Contractor)	7/15/19	7/15/19
Grading complete for Ground Improvements (Turnover to GI Contractor)	8/5/19	8/5/19
Ground Improvements (Turnover for Excavation / Foundation Work)	8/26/19	8/26/19
Foundation System (Turnover for steel start)	10/28/19	10/28/19
Structural Steel Erection, Decking & Detailing Complete	12/17/19	
Slab-on Deck Pours Complete	12/26/19	
Slab-on Grade Pours Complete	1/27/20	

October Summary of Progress:

- Foundations Complete, Settlement Monitoring ongoing.
- Water Main Complete to Building.
- Sewer manholes and piping about 65% complete at phase 1.
- Steel Erection Start – Crane Mobilization and Steel Deliveries. Structural Steel Erection, Decking and Detailing Ongoing.
- Electrical & Telcom ductbanks have progressed into the site.

November October Look Ahead:

- Underground Utilities
 - Complete Sewer Manholes and drainage installation.
 - Complete Telcom and Primary Ductbanks, Verizon Streetwork to be scheduled.
- Complete Steel Erection, Detailing Ongoing through beginning of December.
- Building to be wrapped, Slab-on-Deck and Slab-on-Roof to be poured.
- Underground MEP installations to begin.
- Stair #1 to be erected, with concrete pan treads infilled.

**Manchester Memorial Elementary School
Monthly Construction Report Summary – October 2019**

SECTION 2 – PROGRESS PHOTOS



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Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
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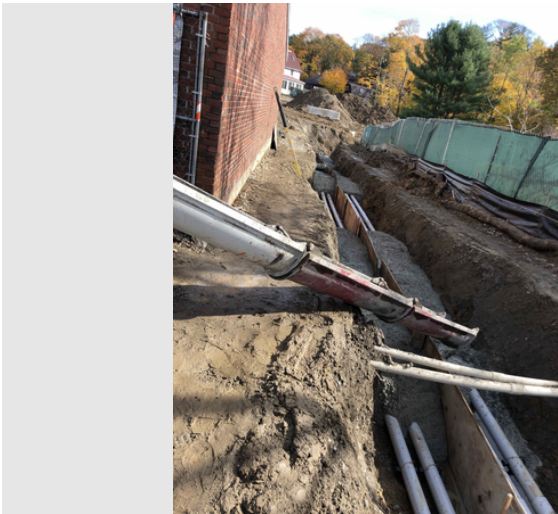
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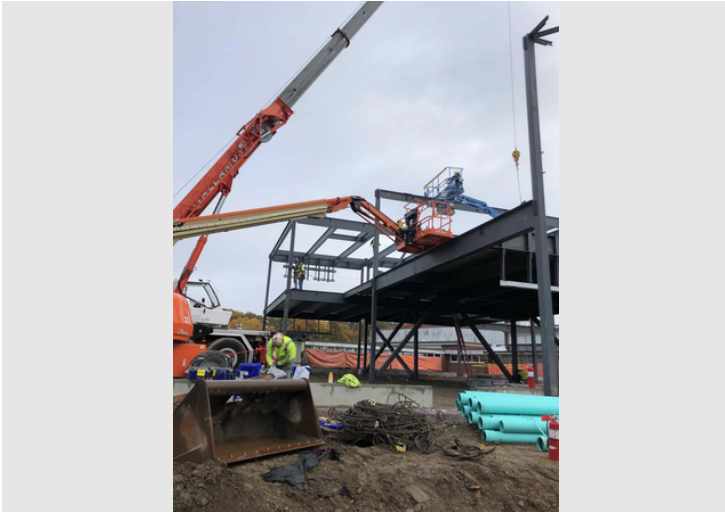
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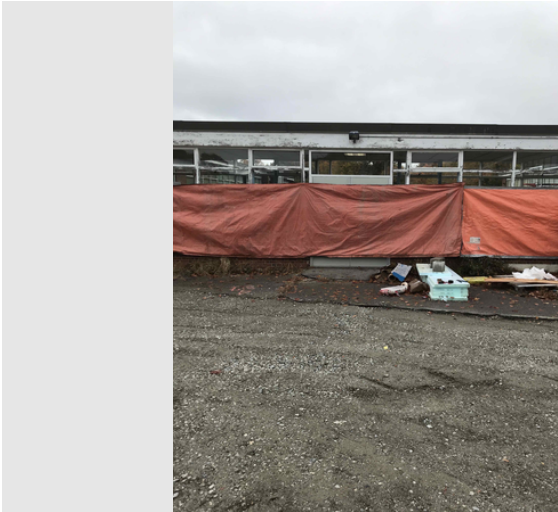
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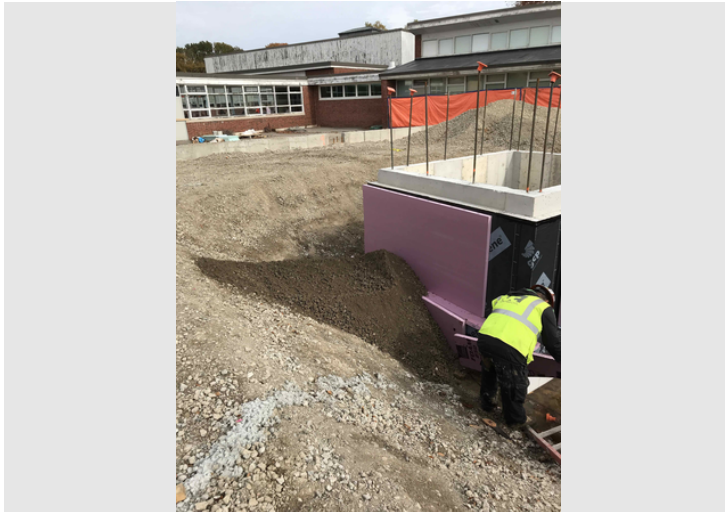
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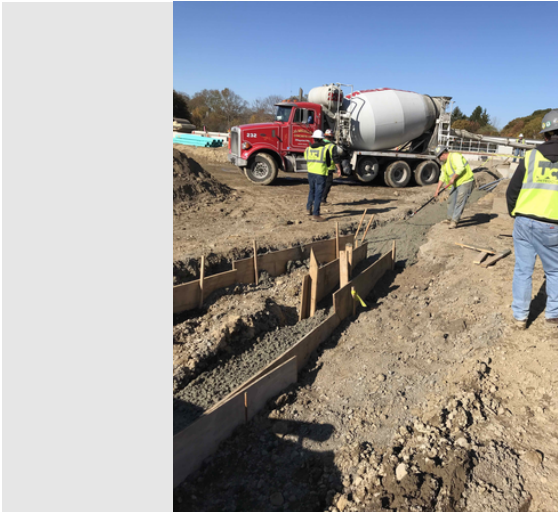
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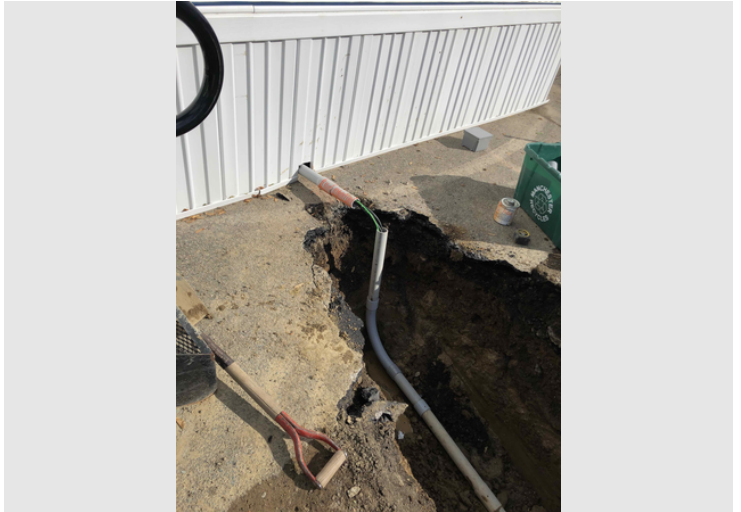
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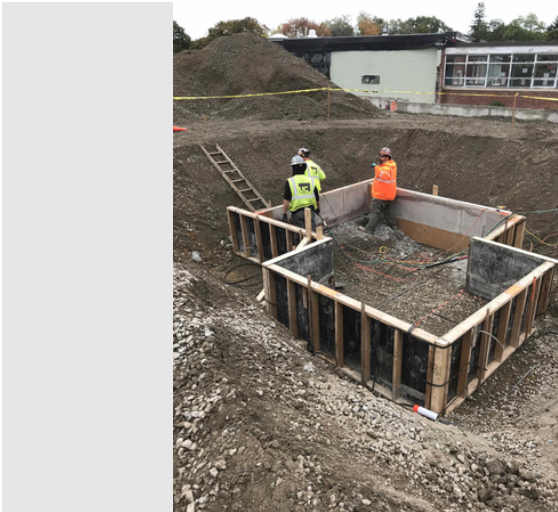
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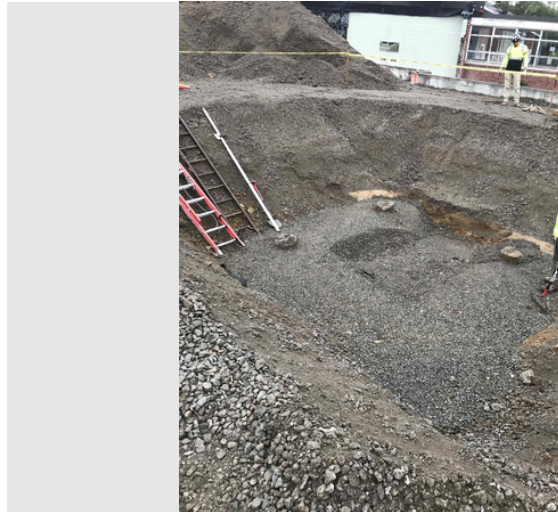
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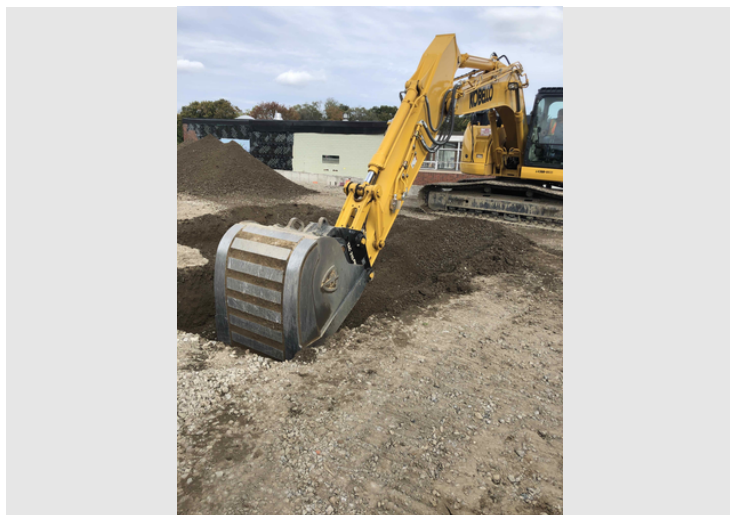
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[DSC02081.JPG](#)



Description



Description

Taken Date

2019/10/07 10:45:19

Uploaded By

Trishya Patel

Upload Date

2019/10/07 10:45:23

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Taken Date

2019/10/07 08:38:56

Uploaded By

Trishya Patel

Upload Date

2019/10/07 08:39:20

File Name

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W.T. Rich Company

Printed on Thu Nov 7, 2019 at 09:50 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2019/10/04 09:37:58

Uploaded By

Trishya Patel

Upload Date

2019/10/04 09:49:23

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Taken Date

2019/10/04 08:58:52

Uploaded By

Trishya Patel

Upload Date

2019/10/04 08:58:55

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Description

Taken Date

2019/10/04 08:57:33

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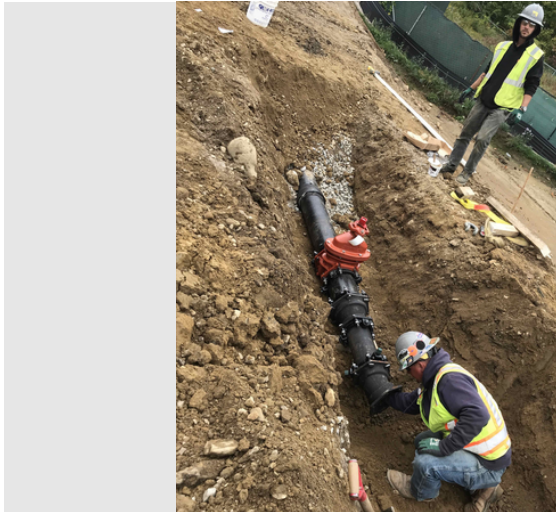
Trishya Patel

Upload Date

2019/10/04 08:57:39

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Description

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Trishya Patel

Upload Date

2019/10/03 13:39:15

File Name

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W.T. Rich Company

Printed on Thu Nov 7, 2019 at 09:50 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2019/10/03 07:53:26

Uploaded By

Rick Lawrence

Upload Date

2019/10/04 07:20:37

File Name

[DSC02049.JPG](#)



Description

Taken Date

2019/10/03 07:30:40

Uploaded By

Rick Lawrence

Upload Date

2019/10/04 07:20:38

File Name

[DSC02045.JPG](#)



Description

Taken Date

2019/10/03 07:28:27

Uploaded By

Rick Lawrence

Upload Date

2019/10/04 07:20:37

File Name

[DSC02043.JPG](#)



Description

Taken Date

2019/10/02 11:57:43

Uploaded By

Trishya Patel

Upload Date

2019/10/02 11:58:05

File Name

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W.T. Rich Company

Printed on Thu Nov 7, 2019 at 09:50 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2019/10/02 11:57:00

Uploaded By

Trishya Patel

Upload Date

2019/10/02 11:57:29

File Name

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Description

Taken Date

2019/10/01 12:29:12

Uploaded By

Rick Lawrence

Upload Date

2019/10/02 07:16:18

File Name

[DSC02029.JPG](#)



Description

Taken Date

2019/10/01 11:16:59

Uploaded By

Rick Lawrence

Upload Date

2019/10/02 07:16:18

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[DSC02026.JPG](#)



Description

Taken Date

2019/10/01 11:10:32

Uploaded By

Rick Lawrence

Upload Date

2019/10/02 07:16:18

File Name

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W.T. Rich Company

Printed on Thu Nov 7, 2019 at 09:50 pm EST

Job #: 201802 Manchester Memorial Elementary School
43 Lincoln Street
Manchester by the Sea, Massachusetts 01944



Description

Taken Date

2019/10/01 08:01:36

Uploaded By

Rick Lawrence

Upload Date

2019/10/02 07:16:19

File Name

[DSC02023.JPG](#)

**Manchester Memorial Elementary School
Monthly Construction Report Summary – October 2019**

SECTION 3 – ATTACHMENTS



W.T. Rich Company - Look Ahead Schedule

Updated: 11/7/2019

Manchester Memorial Elementary School Project - 43 Lincoln Street, Manchester-by-the Sea 01944

						MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN
						11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/1							
Milestone/Activity Description						Responsibility	First Delivery	Initial Inspection	Start Date	End Date		NK																												
													NW																											
Design / Owner Related Items																																								
Award Non Trade	SBC/All			Complete	Complete																																			
LOR - Priority Trade Award Authorization	SBC			Complete																																				
NGrid Easement Form signed by Town	Selectmen			11/04/19	11/05/19	X	X																																	
SBC Meeting - Full Approval of GMP	SBC/All			11/12/19	11/12/19									X																										
Site Enabling & Clearing																																								
Relocate Site Fence and Erosion Control for SMH's Near Brook	AEI			Complete	Complete																																			
Grading, Ground Improvements & Foundations																																								
Concrete As Builts	JLM/Norgate																																							
Settlement Monitoring	JLM/Norgate			09/06/19	11/15/19	X	X	X	X					X	X	X	X																							
Concrete Retaining Walls (Stairs & HC Ramp) PCO# 14	JL Marshall			TBD	TBD																																			
Phase 1 Construction - Exterior																																								
Mobilize for Steel Erection	Norgate Metal			10/28/19	10/28/19																																			
Steel Erection	Stellar			10/28/19	11/20/19	X	X	X						X	X	X	X				X	X	X																	
Decking & Detailing	Stellar			10/30/19	11/19/19	X	X	X	X					X	X	X	X				X	X																		
Stair #1 Steel Install	Stellar			11/07/19	11/12/19				X					X																										
Roof Screen & chiller dunnage	Stellar			11/08/19	11/10/19																																			
1st floor enclosure & temp heat	WTR			11/12/19	11/27/19									X	X	X	X				X	X	X	X	X			X	X	X										
Detailing after SOD and SOR	Stellar			12/02/19	12/06/19																																			
CMU stair #1 & Elevator	Marmelo			12/02/19	12/13/19																																			
Tie in RD North Elevations for temp RD's	UC/Amanti			TBC	TB																																			
Roof Edge LGMF	Manganaro			12/02/19	12/13/19																																			
First & Second Floor Framing & Sheathing	Manganaro			12/13/19	12/27/19																																			
Roofing	Stanley Roofing			12/16/19	12/27/19																																			
Phase 1 Construction - Interior																																								
Underground MEP Layout & Excavation Prep	MEP Sub			11/12/19	11/15/19									X	X	X	X																							
Underground MEP's	MEP Sub			11/25/19	12/22/19																						X	X	X						X					
Slab on Deck	JL Marshall			11/25/19	11/29/19																						X	X	X						X					
Slab on Roof	JL Marshall			11/25/19	11/29/19																						X	X	X						X					
Form & Pour concrete oolumn Caps (Detail 5/S.002	JL Marshall			11/25/19	11/29/19																						X	X	X						X					
Pour Stair #1	JL Marshall			11/25/19	11/29/19																						X	X	X						X					
Install & Inspect SOG VB	JL Marshall			11/25/19	11/29/19																						X	X	X						X					
Slab on Grade	JL Marshall			01/02/20	01/08/20																																			



W.T. Rich Company - Look Ahead Schedule

Updated: 11/7/2019

Manchester Memorial Elementary School Project - 43 Lincoln Street, Manchester-by-the Sea 01944

						MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	MON	TUES	WED	THUR	FRI	SAT	SUN	
						11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15	11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/1	
							NK						NW																					
Permits / Sign-offs / C of Os/ Inspections																																		
Foundation Permit	WTR			Complete	Complete																													
Building Permit	WTR			Complete	Complete																													
Holiday's - NO WORK - 11/11, 11/28, 12/25, 1/1																																		
No school - WORK but NO KIDS, 11/5, 11/28, 11/29, 12/23-1/3, 1/17																																		
1/2 day - WORK but HALF DAY FOR KIDS, 11/4, 11/27, 12/4																																		
Quality Control																																		
Preinstallation Meetings																																		
Steel	JTC			11/05/19	11/22/19		X	X	X					X	X	X	X				X	X	X	X	X									
Decking	JTC			11/05/19	11/22/19		X	X	X					X	X	X	X				X	X	X	X	X									
Welds	JTC			11/08/19	11/22/19									X	X	X	X				X	X	X	X	X									
Shear Studs	JTC			11/12/19	11/22/19									X	X	X	X				X	X	X	X	X									
Final inspection welds after SOD & SOR All SS	JTC			12/13/19	12/01/19																													
Shop Moment Welds	JTC			11/12/19	11/15/19									X	X	X	X																	
First Delivery Inspections																																		
Initial and Follow-Up Inspections (Review of Workmanship and Procedures)																																		
Concrete																																		
Rebar																																		
Subcontractor Meetings - Every Tuesday AM @ 7:30AM																																		
Safety																																		
Orientations - On Going as Needed with New Hires																																		
CORI Check- On Going as Needed with New Hires																																		
ConstructSecure Safety Inspections (min 1 per Week)																																		

Project Schedule						Manchester Memorial Elementary School																		Attachment					
Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023				
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Manchester Memorial Elementary School		1007	08-Feb-18 A	31-Jan-22	-39																								
Design and Preconstruction		484	08-Feb-18 A	07-Jan-20	484																								
Schematic Design		153	26-Apr-18 A	04-Dec-18 A																									
MME 320	Proposals due for CM at Risk Bid	0	26-Apr-18 A			Proposals due for CM at Risk Bid																							
MME 330	Award CM at Risk	15	26-Apr-18 A	16-May-18 A		Award CM at Risk																							
MME 380	Schematic Design Issued for Estimating	5	17-May-18 A	23-May-18 A		Schematic Design Issued for Estimating																							
MME 280	Prepare SD Cost Estimate	10	24-May-18 A	07-Jun-18 A		Prepare SD Cost Estimate																							
MME 290	Conduct SD Design Review	17	24-May-18 A	18-Jun-18 A		Conduct SD Design Review																							
MME 300	SD Cost Estimate Reconciliation and Value Management	7	08-Jun-18 A	18-Jun-18 A		SD Cost Estimate Reconciliation and Value Management																							
MME 310	Obtain Local Approval	7	19-Jun-18 A	27-Jun-18 A		Obtain Local Approval																							
MME 360	Submit SD to MSBA	0	11-Jul-18 A	11-Jul-18 A		Submit SD to MSBA																							
MME 340	MSBA Approval of SD	0	29-Aug-18 A	29-Aug-18 A		MSBA Approval of SD																							
MME 390	Execute PS&B with MSBA	0	20-Sep-18 A	20-Sep-18 A		Execute PS&B with MSBA																							
MME 400	District Vote	0	06-Nov-18 A	06-Nov-18 A		District Vote																							
MME 410	District Borrowing	19	06-Nov-18 A	04-Dec-18 A		District Borrowing																							
Design Development		62	09-Nov-18 A	08-Feb-19 A																									
DD 100	Authorization to Proceed with DD	1	09-Nov-18 A	09-Nov-18 A		Authorization to Proceed with DD																							
DD 110	Develop Design Development Documents and Issue for Pricing	47	09-Nov-18 A	18-Jan-19 A		Develop Design Development Documents and Issue for Pricing																							
DD 120	Prepare Design Development Documents Cost Estimate	11	18-Jan-19 A	01-Feb-19 A		Prepare Design Development Documents Cost Estimate																							
DD 150	Conduct Design Development Documents Review	16	18-Jan-19 A	08-Feb-19 A		Conduct Design Development Documents Review																							
DD 130	Design Development Reconciliation/Value Engineering	6	01-Feb-19 A	08-Feb-19 A		Design Development Reconciliation/Value Engineering																							
DD 140	MSBA DD Submission	1	08-Feb-19 A	08-Feb-19 A		MSBA DD Submission																							
Local Approvals		17	15-Oct-18 A	06-Nov-18 A																									
APP 100	Town Meetings	2	15-Oct-18 A	16-Oct-18 A		Town Meetings																							
APP 110	Town Ballots	1	06-Nov-18 A	06-Nov-18 A		Town Ballots																							
Early Package #1 Abatement, Demo, Site Prep		93	08-Feb-19 A	21-Jun-19 A																									
EP1 100	Draft EP#1 Docs	1	08-Feb-19 A	08-Feb-19 A		Draft EP#1 Docs																							
EP1 110	EP#1 Review Comments	10	08-Feb-19 A	22-Feb-19 A		EP#1 Review Comments																							
EP1 120	EP#1 Bid Docs	11	22-Feb-19 A	08-Mar-19 A		EP#1 Bid Docs																							
EP1 130	EP#1 Bid & Desclope	21	08-Mar-19 A	21-Jun-19 A		EP#1 Bid & Desclope																							
EP1 150	EP #1 Approval For Full Award	0	30-May-19 A	30-May-19 A		EP #1 Approval For Full Award																							
EP1 140	EP#1 Approval to Release Submittals	0	21-Jun-19 A	21-Jun-19 A		EP#1 Approval to Release Submittals																							
School Building Committee Meetings		73	29-May-19 A	10-Sep-19 A																									
SBC 100	SBC MEETING #41 - Approve EP #1 (Proceed w.Submittals, Full Award	1	29-May-19 A	29-May-19 A		SBC MEETING #41 - Approve EP #1 (Proceed w.Submittals, Full Award Upon Planning Board Approval)																							
SBC 110	SBC MEETING #43 - Approve 60% CD's	1	29-May-19 A	29-May-19 A		SBC MEETING #43 - Approve 60% CD's																							
SBC 120	SBC MEETING #44 - Approve EP #2 (Proceed w. Submittals, Full Award	1	04-Jun-19 A	04-Jun-19 A		SBC MEETING #44 - Approve EP #2 (Proceed w. Submittals, Full Award Upon PB Approval) EP #1 Fully Approved to Proceed																							
SBC 130	SBC MEETING #46 - Approve 90% CD's and Fully Approve EP #2 Contr	1	16-Jul-19 A	16-Jul-19 A		SBC MEETING #46 - Approve 90% CD's and Fully Approve EP #2 Contracts to Proceed w. Construction																							
SBC 170	SBC MEETING #47 - Approve EP #3 Contracts	1	12-Aug-19 A	12-Aug-19 A		SBC MEETING #47 - Approve EP #3 Contracts																							
SBC 140	SBC MEETING #48 - Approve 100% Construction Documents (CD)	1	10-Sep-19 A	10-Sep-19 A		SBC MEETING #48 - Approve 100% Construction Documents (CD)																							
Conservation Commission Approval Process		66	04-Apr-19 A	11-Jul-19 A																									
CC 100	Con Com Submission #1A Material Submission by Samiotes	13	04-Apr-19 A	22-Apr-19 A		Con Com Submission #1A Material Submission by Samiotes																							
CC 110	Con Com Submission #1A Con Com Review	1	23-Apr-19 A	23-Apr-19 A		Con Com Submission #1A Con Com Review																							
CC 120	Con Com Submission #1B Material Submission to Linden	6	23-Apr-19 A	30-Apr-19 A		Con Com Submission #1B Material Submission to Linden																							
CC 130	Con Com Submission #1B Linden Review, Comment, Meeting	7	01-May-19 A	09-May-19 A		Con Com Submission #1B Linden Review, Comment, Meeting																							
CC 140	Con Com Submission #1B Update per Linden Comments	4	10-May-19 A	15-May-19 A		Con Com Submission #1B Update per Linden Comments																							
CC 150	Con Com Submission #1B Initial Material Submission to Con Com	1	16-May-19 A	16-May-19 A		Con Com Submission #1B Initial Material Submission to Con Com																							
CC 160	Con Com Submission #1A Approval (No Later than)	1	22-May-19 A	05-Jun-19 A		Con Com Submission #1A Approval (No Later than)																							
CC 170	Con Com Submission #1B Con Com Review	1	04-Jun-19 A	04-Jun-19 A		Con Com Submission #1B Con Com Review																							
CC 180	Con Com Submission #1B Updated Final Plans to develop OOC	1	06-Jun-19 A	06-Jun-19 A		Con Com Submission #1B Updated Final Plans to develop OOC																							
CC 190	Con Com Submission #1B - OOC plus Appeal Period to Start Const.	13	25-Jun-19 A	11-Jul-19 A		Con Com Submission #1B - OOC plus Appeal Period to Start Const.																							
Planning Board Approval Process		20	13-May-19 A	10-Jun-19 A																									
PB 110	Planning Board Meetings- Submission #1 Scope Review (potentially appr	1	13-May-19 A	13-May-19 A		Planning Board Meetings- Submission #1 Scope Review (potentially approve) Demolition																							
PB 140	Planning Board Meetings- Submission #1 Voting	1	28-May-19 A	28-May-19 A		Planning Board Meetings- Submission #1 Voting																							
PB 120	Planning Board Meetings- Submission #2 Voting	1	10-Jun-19 A	10-Jun-19 A		Planning Board Meetings- Submission #2 Voting																							
PB 130	Planning Board Meetings- Submission #2 Scope Review Full Project	1	10-Jun-19 A	10-Jun-19 A		Planning Board Meetings- Submission #2 Scope Review Full Project																							
60% Construction Documents		328	08-Feb-18 A	24-May-19 A																									
CD6 100	Approval to Proceed with CDs	1	08-Feb-18 A	08-Feb-18 A		Approval to Proceed with CDs																							
CD6 110	60% Construction Documents Pricing Set Issued	20	08-Feb-19 A	03-May-19 A		60% Construction Documents Pricing Set Issued																							
CD6 140	60% Construction Documents Reconciliation/Value Engineering	6	01-May-19 A	08-May-19 A		60% Construction Documents Reconciliation/Value Engineering																							

Summary

Remaining Work

Critical Remaining Work

Milestone

Critical Milestone

Manchester Memorial Elementary School

Page 1 of 28

W.T. RICH COMPANY, INC.

Project Schedule						Manchester Memorial Elementary School																				Attachment						
Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023							
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Division 03 - Concrete & Reinforcement						143	18-Jun-19 A			08-Jan-20			157																			
033000 Phase 1 - Cast-In-Place Concrete						49	18-Jun-19 A			30-Aug-19 A																						
SM 3 1000	Prepare and Submit Concrete Package	15	18-Jun-19 A	22-Jul-19 A		Prepare and Submit Concrete Package																										
SM 3 1010	Review and Approve Concrete Package	15	18-Jul-19 A	02-Aug-19 A		Review and Approve Concrete Package																										
SM 3 1020	Fabricate & Deliver Steel Reinforcement	15	05-Aug-19 A	30-Aug-19 A		Fabricate & Deliver Steel Reinforcement																										
033000 Phase 2 - Cast-In-Place Concrete						45	04-Nov-19			08-Jan-20			157																			
SM 3 1030	Prepare and Submit Concrete Package	15	04-Nov-19*	22-Nov-19	157	Prepare and Submit Concrete Package																										
SM 3 1040	Review and Approve Concrete Package	15	25-Nov-19*	16-Dec-19	157	Review and Approve Concrete Package																										
SM 3 1050	Fabricate & Deliver Steel Reinforcement	15	17-Dec-19	08-Jan-20	157	Fabricate & Deliver Steel Reinforcement																										
Division 04 - Masonry						129	03-Sep-19 A			05-Mar-20			443																			
042613 - Phase 1 CMU (Stair & Elevator Shaft)						63	03-Sep-19 A			29-Nov-19			19																			
SM04 106	Prepare and Submit Package CMU	20	03-Sep-19 A	04-Nov-19 A		Prepare and Submit Package CMU																										
SM04 107	Review and Approve Package CMU	19	22-Oct-19 A	15-Nov-19	19	Review and Approve Package CMU																										
SM04 108	Fabricate and Deliver CMU and Reinforcement	9	18-Nov-19	29-Nov-19	19	Fabricate and Deliver CMU and Reinforcement																										
042613 - Phase 2 CMU (Stair & Elevator Shaft)						72	03-Sep-19 A			12-Dec-19			277																			
SM04 109	Prepare and Submit Package CMU	20	03-Sep-19 A	30-Sep-19 A		Prepare and Submit Package CMU																										
SM04 110	Review and Approve Package CMU	20	30-Sep-19 A	31-Oct-19	277	Review and Approve Package CMU																										
SM04 111	Fabricate and Deliver CMU and Reinforcement	30	31-Oct-19	12-Dec-19	277	Fabricate and Deliver CMU and Reinforcement																										
042613 - Masonry Veneer						88	16-Sep-19 A			20-Jan-20			17																			
SM04 100	Prepare and Submit Package Masonry Veneer	20	16-Sep-19 A	23-Sep-19 A		Prepare and Submit Package Masonry Veneer																										
SM04 101	Review and Approve Package Masonry Veneer	15	14-Oct-19 A	08-Nov-19 A		Review and Approve Package Masonry Veneer																										
SM04 102	Fabricate and Deliver Masonry Veneer	55	31-Oct-19	20-Jan-20	17	Fabricate and Deliver Masonry Veneer																										
042613 - Concrete Masonry Units						72	03-Sep-19 A			12-Dec-19			42																			
SM04 103	Prepare and Submit Package Decorative CMU	20	03-Sep-19 A	30-Sep-19 A		Prepare and Submit Package Decorative CMU																										
SM04 104	Review and Approve Package Decorative CMU	20	30-Sep-19 A	31-Oct-19	42	Review and Approve Package Decorative CMU																										
SM04 105	Fabricate and Deliver CMU and Reinforcement	30	31-Oct-19	12-Dec-19	42	Fabricate and Deliver CMU and Reinforcement																										
047200 - Cast Stone Masonry						110	30-Sep-19 A			05-Mar-20			443																			
SM 4 1000	Prepare and Submit Package Cast Stone Masonry	20	30-Sep-19 A	18-Oct-19 A		Prepare and Submit Package Cast Stone Masonry																										
SM 4 1020	Review and Approve Package Cast Stone Masonry	20	11-Nov-19*	09-Dec-19	443	Review and Approve Package Cast Stone Masonry																										
SM 4 1040	Fabricate and Deliver Unit Masonry Cast Stone Masonry	60	10-Dec-19	05-Mar-20	443	Fabricate and Deliver Unit Masonry Cast Stone Masonry																										
Division 05 - Metals						242	10-Jun-19 A			03-Feb-20			465																			
051200 - Phase 1 (Area A) Anchor Bolts						242	13-Jun-19 A			16-Aug-19 A																						
SM 5 1310	Prepare and Submit Package Anchor Bolts	9	13-Jun-19 A	28-Jun-19 A		Prepare and Submit Package Anchor Bolts																										
SM 5 1320	Review and Approve Package Anchor Bolts	15	01-Jul-19 A	22-Jul-19 A		Review and Approve Package Anchor Bolts																										
SM 5 1330	Fabricate and Deliver Structural Anchor Bolts	15	01-Aug-19 A	16-Aug-19 A		Fabricate and Deliver Structural Anchor Bolts																										
051200 - Phase 2 (Area B&C) Anchor Bolts						131	28-Oct-19 A			12-Dec-19			173																			
SM 5 1420	Prepare and Submit Package Anchor Bolts	9	28-Oct-19 A	31-Oct-19	173	Prepare and Submit Package Anchor Bolts																										
SM 5 1430	Review and Approve Package Anchor Bolts	15	31-Oct-19	20-Nov-19	173	Review and Approve Package Anchor Bolts																										
SM 5 1440	Fabricate and Deliver Structural Anchor Bolts	15	21-Nov-19	12-Dec-19	173	Fabricate and Deliver Structural Anchor Bolts																										
051200 - Phase 1 Structural Steel Framing						98	10-Jun-19 A			04-Nov-19			13																			
SM 5 1000	Prepare and Submit Package Structural Steel	30	10-Jun-19 A	01-Aug-19 A		Prepare and Submit Package Structural Steel																										
SM 5 1060	Review and Approve Package Structural Steel	24	01-Aug-19 A	30-Sep-19 A		Review and Approve Package Structural Steel																										
SM 5 1160	Fabricate and Deliver Structural Steel Framing	35	09-Sep-19 A	04-Nov-19	13	Fabricate and Deliver Structural Steel Framing																										
051200 - Phase 2 (Area B&C) Structural Steel Framing						98	10-Jun-19 A			04-Nov-19			236																			
SM 5 1450	Prepare and Submit Package Structural Steel	30	10-Jun-19 A	01-Aug-19 A		Prepare and Submit Package Structural Steel																										
SM 5 1460	Review and Approve Package Structural Steel	24	01-Aug-19 A	30-Sep-19 A		Review and Approve Package Structural Steel																										
SM 5 1470	Fabricate and Deliver Structural Steel Framing	35	09-Sep-19 A	04-Nov-19	236	Fabricate and Deliver Structural Steel Framing																										
051500 - Stud Shear Connectors						110	13-Jun-19 A			31-Oct-19 A																						
SM 5 1080	Review and Approve Package Steel Joists	20	13-Jun-19 A	06-Sep-19 A		Review and Approve Package Steel Joists																										
SM 5 1020	Prepare and Submit Package Steel Joists	20	01-Jul-19 A	19-Aug-19 A		Prepare and Submit Package Steel Joists																										
SM 5 1170	Fabricate and Deliver Stud Shear Connectors	50	09-Sep-19 A	31-Oct-19 A		Fabricate and Deliver Stud Shear Connectors																										
053100 - Phase 1 (Area A) Steel Decking						110	13-Jun-19 A			28-Oct-19 A																						
SM 5 1040	Prepare and Submit Package Steel Decking	20	13-Jun-19 A	09-Aug-19 A		Prepare and Submit Package Steel Decking																										
SM 5 1100	Review and Approve Package Steel Decking	20	12-Aug-19 A	09-Sep-19 A		Review and Approve Package Steel Decking																										
SM 5 1180	Fabricate and Deliver Steel Decking	49	10-Sep-19 A	28-Oct-19 A		Fabricate and Deliver Steel Decking																										
053100 - Phase 2 (Area B&C) Steel Decking						110	13-Jun-19 A			06-Nov-19			234																			
SM 5 1480	Prepare and Submit Package Steel Decking	20	13-Jun-19 A	09-Aug-19 A		Prepare and Submit Package Steel Decking																										
SM 5 1490	Review and Approve Package Steel Decking	20	12-Aug-19 A	09-Sep-19 A		Review and Approve Package Steel Decking																										
SM 5 1500	Fabricate and Deliver Steel Decking	49	10-Sep-19 A	06-Nov-19	234	Fabricate and Deliver Steel Decking																										
054100 - Cold Formed Metal Framing						35	22-Oct-19 A			10-Dec-19			2																			

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Remaining Work

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Project Schedule

Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018				2019				2020				2021				2022				2023			
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
	096519 Resilient Tile Flooring	92	22-Oct-19 A	03-Mar-20	74																								
	SM 9 1420 Prepare and Submit Package	25	22-Oct-19 A	08-Nov-19 A																									
	SM 9 1430 Review and Approve Package	25	31-Oct-19	05-Dec-19	74																								
	SM 9 1440 Fabricate and Deliver Resilient Flooring	60	06-Dec-19	03-Mar-20	74																								
	096566 Resilient Athletic Flooring	117	22-Oct-19 A	07-Apr-20	285																								
	SM9 1120 Prepare and Submit Resilient Athletic Floor Package	25	22-Oct-19 A	05-Dec-19	285																								
	SM9 1130 Review and Approve Resilient Athletic Package	25	06-Dec-19	13-Jan-20	285																								
	SM9 1140 Fabricate and Deliver Resilient Athletic	60	14-Jan-20	07-Apr-20	285																								
	096723 Resinous Flooring	117	22-Oct-19 A	07-Apr-20	49																								
	SM9 1030 Prepare and Submit Resinous Floor Package	25	22-Oct-19 A	05-Dec-19	49																								
	SM9 1040 Review and Approve Resinous Floor Package	25	06-Dec-19	13-Jan-20	49																								
	SM9 1050 Fabricate and Deliver Resinous Flooring	60	14-Jan-20	07-Apr-20	49																								
	096813 Tile Carpeting	110	31-Oct-19	07-Apr-20	36																								
	SM 9 1070 Prepare and Submit Package Carpeting	25	31-Oct-19	05-Dec-19	36																								
	SM 9 1210 Review and Approve Package Carpeting	25	06-Dec-19	13-Jan-20	36																								
	SM 9 1320 Fabricate and Deliver Carpeting	60	14-Jan-20	07-Apr-20	36																								
	097200 Wall Coverings	110	08-Jan-20	11-Jun-20	271																								
	SM 9 1450 Prepare and Submit Package Wall Coverings	25	08-Jan-20	11-Feb-20	271																								
	SM 9 1460 Review and Approve Package Wall Coverings	25	12-Feb-20	18-Mar-20	271																								
	SM 9 1470 Fabricate and Deliver Wall Coverings	60	19-Mar-20	11-Jun-20	271																								
	097723 Fabric Wrapped Panels	110	31-Oct-19	07-Apr-20	34																								
	SM 9 1480 Prepare and Submit Package Fabric Wrapped Panels	25	31-Oct-19	05-Dec-19	34																								
	SM 9 1490 Review and Approve Package Fabric Wrapped Panels	25	06-Dec-19	13-Jan-20	34																								
	SM 9 1500 Fabricate and Deliver Fabric Wrapped Panels	60	14-Jan-20	07-Apr-20	34																								
	098433 Sound Absorbing Wall Units	75	31-Oct-19	18-Feb-20	314																								
	SM9 1090 Prepare and Submit Package Sound Absorbing Panels	20	31-Oct-19	27-Nov-19	314																								
	SM9 1100 Review and Approve Package Sound Absorbing Panels	15	29-Nov-19	19-Dec-19	314																								
	SM9 1110 Fabricate and Deliver Sound Absorbing Panels	40	20-Dec-19	18-Feb-20	314																								
	098436 Sound Absorbing Ceiling Units	75	31-Oct-19	18-Feb-20	314																								
	SM9 1150 Prepare and Submit Package Sound Absorbing Panels	20	31-Oct-19	27-Nov-19	314																								
	SM9 1160 Review and Approve Package Sound Absorbing Panels	15	29-Nov-19	19-Dec-19	314																								
	SM9 1170 Fabricate and Deliver Sound Absorbing Panels	40	20-Dec-19	18-Feb-20	314																								
	099113 Exterior Painting	55	31-Oct-19	20-Jan-20	131																								
	SM 9 1090 Prepare and Submit Package Paint & Coating	20	31-Oct-19	27-Nov-19	131																								
	SM 9 1160 Review and Approve Package Paint & Coating	15	29-Nov-19	19-Dec-19	131																								
	SM 9 1260 Order and Deliver Paint & Coating	20	20-Dec-19	20-Jan-20	131																								
	099123 Interior Painting	55	31-Oct-19	20-Jan-20	54																								
	SM 9 1510 Prepare and Submit Package Paint & Coating	20	31-Oct-19	27-Nov-19	54																								
	SM 9 1520 Review and Approve Package Paint & Coating	15	29-Nov-19	19-Dec-19	54																								
	SM 9 1530 Order and Deliver Paint & Coating	20	20-Dec-19	20-Jan-20	54																								
	099300 Staining and Transparent Finishing	55	31-Oct-19	20-Jan-20	102																								
	SM 9 1540 Prepare and Submit Package Paint & Coating	20	31-Oct-19	27-Nov-19	102																								
	SM 9 1550 Review and Approve Package Paint & Coating	15	29-Nov-19	19-Dec-19	102																								
	SM 9 1560 Fabricate and Deliver Paint & Coating	20	20-Dec-19	20-Jan-20	102																								
	099600 High Performance Coating	55	31-Oct-19	20-Jan-20	54																								
	SM 9 1570 Prepare and Submit Package Paint & Coating	20	31-Oct-19	27-Nov-19	54																								
	SM 9 1580 Review and Approve Package Paint & Coating	15	29-Nov-19	19-Dec-19	54																								
	SM 9 1590 Fabricate and Deliver Paint & Coating	20	20-Dec-19	20-Jan-20	54																								
	Division 10 - Specialties	327	31-Oct-19	15-Feb-21	203																								
	101100 Visual Display Surfaces	110	31-Oct-19	07-Apr-20	34																								
	SM 10 100 Prepare and Submit Package Display Units	25	31-Oct-19	05-Dec-19	34																								
	SM 10 200 Review and Approve Package Display Units	25	06-Dec-19	13-Jan-20	34																								
	SM 10 280 Fabricate and Deliver Visual Display Unit	60	14-Jan-20	07-Apr-20	34																								
	101400 Signage	90	31-Oct-19	10-Mar-20	54																								
	SM 10 110 Prepare and Submit Package Signage	20	31-Oct-19	27-Nov-19	54																								
	SM 10 190 Review and Approve Package Signage	20	29-Nov-19	27-Dec-19	54																								
	SM 10 270 Fabricate and Deliver Signage	50	30-Dec-19	10-Mar-20	54																								
	101453 Traffic Signage	90	08-Jan-20	13-May-20	394																								
	SM10 10 Prepare and Submit Package Traffic Signage	20	08-Jan-20	04-Feb-20	394																								
	SM10 10 Review and Approve Package Traffic Signage	20	05-Feb-20	04-Mar-20	394																								

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Project Schedule						Manchester Memorial Elementary School																								Attachment .
Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023					
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
	SM 21 210 Prepare and Submit Package Sprinkler Heads	10	22-Oct-19 A	13-Nov-19	32																									
	SM 21 250 Review and Approve Sprinkler Heads	10	14-Nov-19	27-Nov-19	32																									
	SM 21 280 Fab & Deliver Sprinkler Heads	25	29-Nov-19	06-Jan-20	32																									
	Fire Dept Connections	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 100 Prepare and Submit Package Fire Dept Connections	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 100 Review and Approve Fire Dept Connections	10	14-Nov-19	27-Nov-19	32																									
	SM21 100 Fab & Deliver Fire Dept Connections	25	29-Nov-19	06-Jan-20	32																									
	Fire Standpipe Equipment	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 100 Prepare and Submit Package Fire Standpipe Equip	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 100 Review and Approve Fire Standpipe Equip	10	14-Nov-19	27-Nov-19	32																									
	SM21 100 Fab & Deliver Fire Standpipe Equip	25	29-Nov-19	06-Jan-20	32																									
	Roof Manifold	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 100 Prepare and Submit Package Roof Manifold	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 110 Review and Approve Roof Manifold	10	14-Nov-19	27-Nov-19	32																									
	SM21 111 Fab & Deliver Roof Manifold	25	29-Nov-19	06-Jan-20	32																									
	Fire Dept Hydrant Connection	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 112 Prepare and Submit Package Fire Dept Hydrant Connection	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 113 Review and Approve Fire Dept Hydrant Connection	10	14-Nov-19	27-Nov-19	32																									
	SM21 114 Fab & Deliver Fire Dept Hydrant Connection	25	29-Nov-19	06-Jan-20	32																									
	Supplementary Steel Channels & Supports	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 115 Prepare and Submit Package Steel Channels & Supports	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 116 Review and Approve Steel Channels & Supports	10	14-Nov-19	27-Nov-19	32																									
	SM21 117 Fab & Deliver Steel Channels & Supports	25	29-Nov-19	06-Jan-20	32																									
	Hangers & Seismic Restraints	42	22-Oct-19 A	19-Dec-19	42																									
	SM 21 110 Prepare and Submit Package Hangers	10	22-Oct-19 A	13-Nov-19	42																									
	SM 21 190 Review and Approve Package Hangers	10	14-Nov-19	27-Nov-19	42																									
	SM 21 260 Fabricate and Deliver Fire Protection Hangers & Seismic Restraints	15	29-Nov-19	19-Dec-19	42																									
	Alarm Devices	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 118 Prepare and Submit Package Alarm Devices	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 118 Review and Approve Alarm Devices	10	14-Nov-19	27-Nov-19	32																									
	SM21 120 Fab & Deliver Alarm Devices	25	29-Nov-19	06-Jan-20	32																									
	Double Check Valve	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 121 Prepare and Submit Package Double Check Valves	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 122 Review and Approve Double Check Valves	10	14-Nov-19	27-Nov-19	32																									
	SM21 120 Fab & Deliver Double Check Valves	25	29-Nov-19	06-Jan-20	32																									
	Access Panels	52	22-Oct-19 A	06-Jan-20	32																									
	SM 21 100 Prepare and Submit Package Access Panels	15	22-Oct-19 A	20-Nov-19	32																									
	SM 21 170 Review and Approve Access Panels	15	21-Nov-19	12-Dec-19	32																									
	SM 21 230 Fab & Deliver Access Panels	15	13-Dec-19	06-Jan-20	32																									
	Air Compressor	52	22-Oct-19 A	06-Jan-20	32																									
	SM21 120 Prepare and Submit Package Air Compressor	10	22-Oct-19 A	13-Nov-19	32																									
	SM21 120 Review and Approve Air Compressor	10	14-Nov-19	27-Nov-19	32																									
	SM21 120 Fab & Deliver Air Compressor	25	29-Nov-19	06-Jan-20	32																									
	Division 22 - Plumbing	92	22-Oct-19 A	03-Mar-20	54																									
	Pipe,Fittings	52	22-Oct-19 A	06-Jan-20	10																									
	SM 22 10 Prepare and Submit Package Pipe	10	22-Oct-19 A	13-Nov-19	10																									
	SM 22 26 Review and Approve Package Pipe	10	14-Nov-19	27-Nov-19	10																									
	SM 22 40 Fabricate and Deliver Plumbing Pipe	25	29-Nov-19	06-Jan-20	10																									
	Joints	52	22-Oct-19 A	06-Jan-20	10																									
	SM22 100 Prepare and Submit Package Joints	10	22-Oct-19 A	13-Nov-19	10																									
	SM22 101 Review and Approve Package Joints	10	14-Nov-19	27-Nov-19	10																									
	SM22 102 Fabricate and Deliver Plumbing Joints	25	29-Nov-19	06-Jan-20	10																									
	Valves	52	22-Oct-19 A	06-Jan-20	10																									
	SM22 103 Prepare and Submit Package Valves	10	22-Oct-19 A	13-Nov-19	10																									
	SM22 104 Review and Approve Package Valves	10	14-Nov-19	27-Nov-19	10																									
	SM22 105 Fabricate and Deliver Plumbing Valves	25	29-Nov-19	06-Jan-20	10																									
	Insulation	47	22-Oct-19 A	27-Dec-19	15																									
	SM 22 13 Prepare and Submit Package Insulation	15	22-Oct-19 A	20-Nov-19	15																									
	SM 22 37 Review and Approve Package Insulation	15	21-Nov-19	12-Dec-19	15															</										

Project Schedule						Manchester Memorial Elementary School																				Attachment									
Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023										
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4							
	Sump Pump Systems	67	22-Oct-19 A	27-Jan-20	51																														
SM22 133	Prepare and Submit Package Sump Pump System	20	22-Oct-19 A	27-Nov-19	51																														
SM22 134	Review and Approve Package Sump Pump System	20	29-Nov-19	27-Dec-19	51																														
SM22 135	Fabricate and Deliver Plumbing Sump Pump System	20	30-Dec-19	27-Jan-20	51																														
	Tempering Valves	67	22-Oct-19 A	27-Jan-20	51																														
SM22 136	Prepare and Submit Package Tempering Valves	20	22-Oct-19 A	27-Nov-19	51																														
SM22 137	Review and Approve Package Tempering Valves	20	29-Nov-19	27-Dec-19	51																														
SM22 138	Fabricate and Deliver Plumbing Tempering Valves	20	30-Dec-19	27-Jan-20	51																														
	Recirculating Hot Water Pumps	92	22-Oct-19 A	03-Mar-20	26																														
SM22 139	Prepare and Submit Package Recirculating Hot Water Pumps	20	22-Oct-19 A	27-Nov-19	26																														
SM22 140	Review and Approve Package Recirculating Hot Water Pumps	20	29-Nov-19	27-Dec-19	26																														
SM22 141	Fabricate and Deliver Plumbing Recirculating Hot Water Pumps	45	30-Dec-19	03-Mar-20	26																														
	Air Intake & Exhaust Breeching - Chimney, Stacks	77	22-Oct-19 A	10-Feb-20	41																														
SM22 142	Prepare and Submit Package Air Intake & Exhaust Breeching	20	22-Oct-19 A	27-Nov-19	41																														
SM22 143	Review and Approve Package Air Intake & Exhaust Breeching	20	29-Nov-19	27-Dec-19	41																														
SM22 144	Fabricate and Deliver Plumbing Air Intake & Exhaust Breeching	30	30-Dec-19	10-Feb-20	41																														
	Condensate Neutralizing Tubes	67	22-Oct-19 A	27-Jan-20	51																														
SM22 145	Prepare and Submit Package Condensate Neutralizing Tubes	20	22-Oct-19 A	27-Nov-19	51																														
SM22 146	Review and Approve Package Condensate Neutralizing Tubes	20	29-Nov-19	27-Dec-19	51																														
SM22 147	Fabricate and Deliver Plumbing Condensate Neutralizing Tubes	20	30-Dec-19	27-Jan-20	51																														
	Natural Gas Booster	67	22-Oct-19 A	27-Jan-20	51																														
SM22 148	Prepare and Submit Package Natural Gas Booster	20	22-Oct-19 A	27-Nov-19	51																														
SM22 149	Review and Approve Package Natural Gas Booster	20	29-Nov-19	27-Dec-19	51																														
SM22 150	Fabricate and Deliver Plumbing Natural Gas Booster	20	30-Dec-19	27-Jan-20	51																														
	Natural Gas Sub Meter	67	22-Oct-19 A	27-Jan-20	51																														
SM22 151	Prepare and Submit Package Natural Gas Sub-Meter	20	22-Oct-19 A	27-Nov-19	51																														
SM22 152	Review and Approve Package Natural Gas Sub-Meter	20	29-Nov-19	27-Dec-19	51																														
SM22 153	Fabricate and Deliver Plumbing Natural Gas Sub-Meter	20	30-Dec-19	27-Jan-20	51																														
	Water Meter	67	22-Oct-19 A	27-Jan-20	51																														
SM22 154	Prepare and Submit Package Water Meter	20	22-Oct-19 A	27-Nov-19	51																														
SM22 155	Review and Approve Package Water Meter	20	29-Nov-19	27-Dec-19	51																														
SM22 156	Fabricate and Deliver Plumbing Water Meter	20	30-Dec-19	27-Jan-20	51																														
	Domestic Water Sub-Meter	67	22-Oct-19 A	27-Jan-20	51																														
SM22 157	Prepare and Submit Package Domestic Water Sub-Meter	20	22-Oct-19 A	27-Nov-19	51																														
SM22 158	Review and Approve Package Domestic Water Sub-Meter	20	29-Nov-19	27-Dec-19	51																														
SM22 159	Fabricate and Deliver Plumbing Domestic Water Sub-Meter	20	30-Dec-19	27-Jan-20	51																														
	Emergency Gas Solenoid Valve	67	22-Oct-19 A	27-Jan-20	51																														
SM22 160	Prepare and Submit Package Emergency Gas Solenoid Valve	20	22-Oct-19 A	27-Nov-19	51																														
SM22 161	Review and Approve Package Emergency Gas Solenoid Valve	20	29-Nov-19	27-Dec-19	51																														
SM22 162	Fabricate and Deliver Plumbing Emergency Gas Solenoid Valve	20	30-Dec-19	27-Jan-20	51																														
	Firestop Systems	67	22-Oct-19 A	27-Jan-20	30																														
SM22 163	Prepare and Submit Package Firestop Systems	20	22-Oct-19 A	27-Nov-19	30																														
SM22 164	Review and Approve Package Firestop Systems	20	29-Nov-19	27-Dec-19	30																														
SM22 165	Fabricate and Deliver Plumbing Firestop Systems	20	30-Dec-19	27-Jan-20	30																														
	Division 23 - HVAC	155	28-Aug-19 A	07-Apr-20	191																														
	Valves	42	22-Oct-19 A	19-Dec-19	30																														
SM 23 15	Prepare and Submit Package - Valves	15	22-Oct-19 A	08-Nov-19 A																															
SM 23 39	Review and Approve Package - Valves	15	31-Oct-19	20-Nov-19	30																														
SM 23 58	Fabricate and Deliver HVAC Valves	20	21-Nov-19	19-Dec-19	30																														
	Meters & Gages	42	22-Oct-19 A	19-Dec-19	30																														
SM 23 12	Prepare and Submit Package - Meters & Gauges	15	22-Oct-19 A	08-Nov-19 A																															
SM 23 37	Review and Approve Package - Meters & Gauges	15	31-Oct-19	20-Nov-19	30																														
SM 23 56	Fabricate and Deliver HVAC Meters & Gauges	20	21-Nov-19	19-Dec-19	30																														
	Hangers and Attachments	42	22-Oct-19 A	19-Dec-19	30																														
SM 23 23	Prepare and Submit Package - Pipe Hangers, Sleeves	15	22-Oct-19 A	04-Nov-19 A																															
SM 23 32	Review and Approve Package - Pipe Hangers, Sleeves	15	07-Nov-19 A	20-Nov-19	30																														
SM 23 51	Fabricate and Deliver HVAC Pipe Hangers, Sleeves	20	21-Nov-19	19-Dec-19	30																														
	Mechanical Identification	42	22-Oct-19 A	19-Dec-19	30																														
SM 23 28	Prepare and Submit Package - Tagging	15	22-Oct-19 A	07-Nov-19 A																															
SM 23 45	Review and Approve Package - Tagging	15	31-Oct-19	20-Nov-19	30																														
<div><div></div> Summary</div> <div><div></div> Remaining Work</div> <div><div></div> Critical Remaining Work</div>						<div><div></div> Milestone</div> <div><div></div> Critical Milestone</div>										Manchester Memorial Elementary School Page 13 of 28										W.T. RICH COMPANY, INC.									

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Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023			
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	SM 32 29 Fabricate & Deliver Fencing	30	27-Feb-20	08-Apr-20	288																							
	323129 Wood Fences & Gates	65	08-Jan-20	08-Apr-20	288																							
	SM 32 48 Prepare and Submit Package Fence	20	08-Jan-20	04-Feb-20	288																							
	SM 32 49 Review and Approve Package Fence	15	05-Feb-20	26-Feb-20	288																							
	SM 32 50 Fabricate & Deliver Fencing	30	27-Feb-20	08-Apr-20	288																							
	324510 Guardrails	65	08-Jan-20	08-Apr-20	306																							
	SM 32 51 Prepare and Submit Package Guardrails	20	08-Jan-20	04-Feb-20	306																							
	SM 32 52 Review and Approve Package Guardrails	15	05-Feb-20	26-Feb-20	306																							
	SM 32 53 Fabricate & Deliver Guardrails	30	27-Feb-20	08-Apr-20	306																							
	329200 Turfs & grasses	35	08-Jan-20	26-Feb-20	318																							
	SM 23211 Prepare and Submit Package Turfs & Grasses	20	08-Jan-20	04-Feb-20	318																							
	SM 23212 Review and Approve Package Turfs & Grasses	15	05-Feb-20	26-Feb-20	318																							
	329300 Plants	70	08-Jan-20	15-Apr-20	283																							
	SM 23217 Prepare and Submit Package Plants	15	08-Jan-20	28-Jan-20	283																							
	SM 23218 Review and Approve Package Plants	25	29-Jan-20	04-Mar-20	283																							
	SM 23219 Select and Deliver Plantings	30	05-Mar-20	15-Apr-20	283																							
	Division 33 - Utilities	139	01-Jul-19 A	18-Nov-19	520																							
	331000 Water Systems	48	01-Jul-19 A	30-Sep-19 A																								
	SM33 100 Prepare and Submit Package Water Systems	20	01-Jul-19 A	26-Jul-19 A																								
	SM33 101 Review and Approve Package Water Systems	20	01-Aug-19 A	28-Aug-19 A																								
	SM33 102 Fabricate and Deliver Sanitary Water Systems	20	29-Aug-19 A	30-Sep-19 A																								
	333000 Sanitary Sewer Utilities (Piping for temp)	21	01-Jul-19 A	30-Jul-19 A																								
	SM33 103 Prepare and Submit Package Sanitary Sewer Piping	5	01-Jul-19 A	08-Jul-19 A																								
	SM33 104 Review and Approve Package Sanitary Sewer Piping	6	09-Jul-19 A	16-Jul-19 A																								
	SM33 105 Fabricate and Deliver Sanitary Sewer Utilities Piping	10	17-Jul-19 A	30-Jul-19 A																								
	333000 Sanitary Sewer Utilities	59	01-Jul-19 A	23-Sep-19 A																								
	SM33 106 Prepare and Submit Package Sanitary Sewer	20	01-Jul-19 A	29-Jul-19 A																								
	SM33 107 Review and Approve Package Sanitary Sewer	20	01-Aug-19 A	28-Aug-19 A																								
	SM33 108 Fabricate and Deliver Sanitary Sewer Utilities	15	03-Sep-19 A	23-Sep-19 A																								
	334000 Storm Drainage Utilities	99	01-Jul-19 A	18-Nov-19	80																							
	SM 33 12 Prepare and Submit Package Storm Drainage	20	01-Jul-19 A	29-Jul-19 A																								
	SM 33 15 Review and Approve Package Storm Drainage	20	01-Aug-19 A	31-Oct-19	80																							
	SM 33 18 Fabricate and Deliver Storm Drainage Utilities	20	22-Oct-19 A	18-Nov-19 A																								
	334000 Storm Drainage Utilities (Structures)	139	01-Jul-19 A	31-Oct-19 A																								
	SM 33 19 Prepare and Submit Package Storm Drainage	20	01-Jul-19 A	29-Jul-19 A																								
	SM 33 20 Review and Approve Package Storm Drainage	35	01-Aug-19 A	13-Sep-19 A																								
	SM 33 21 Fabricate and Deliver Storm Drainage Utilities	60	22-Oct-19 A	31-Oct-19 A																								
	MEP Coordination	47	15-Oct-19 A	08-Jan-20	28																							
	MEP 140 MEP Coordination Kick Off Meeting	1	15-Oct-19 A	15-Oct-19 A																								
	MEP 100 MEP Coordination - Underslab and Verticals	6	01-Nov-19 A	08-Nov-19 A																								
	MEP 130 MEP Coordination Roof	15	15-Nov-19 A	15-Nov-19	23																							
	MEP 110 MEP Coordination 2nd Floor	20	15-Nov-19	16-Dec-19	23																							
	MEP 120 MEP Coordination 1st Floor	20	09-Dec-19	08-Jan-20	28																							
	Construction	0			0																							
	Phase 1 - New Classroom Wing	426	01-Mar-19 A	30-Oct-20	275																							
	Mobilization	49	17-Jun-19 A	04-Sep-19 A																								
	MOB 100 Mobilization	0	17-Jun-19 A																									
	MOB 150 Install Access Roads, Erosions Controls, Fencing	15	19-Jun-19 A	12-Jul-19 A																								
	MOB 180 Strip Top Soil (Test & Haul Off Site) & Clear / Grub Site	30	12-Jul-19 A	26-Jul-19 A																								
	MOB 110 Temporary Work for Admin Offices at Pre-K & Install Temp Signage	5	05-Aug-19 A	30-Aug-19 A																								
	MOB 170 Building & Fire Dept Inspections	3	12-Aug-19 A	14-Aug-19 A																								
	MOB 120 Temporary Certificate of Occupancy for Existing Building (Sign-off by AHJ)	5	15-Aug-19 A	21-Aug-19 A																								
	MOB 130 Relocate Furniture, Students	5	15-Aug-19 A	21-Aug-19 A																								
	MOB 160 Install Trailers, Temporary Utilities, Laydown Areas	5	19-Aug-19 A	04-Sep-19 A																								
	MOB 190 New ADA Compliant Access to Pre-K & Asphalt Playground / Fencing / R	8	22-Aug-19 A	30-Aug-19 A																								
	MOB 140 Ready for School Year 2019/2020 (PD days)	0		22-Aug-19 A																								
	Site Utilities	256	01-Mar-19 A	03-Mar-20	445																							
	1SU 150 N-Grid Work Order/Design - gas	120	01-Mar-19 A	19-Dec-19	71																							
	1SU 160 N-Grid Work Order/Design - electric	120	01-Mar-19 A	10-Feb-20	34																							

Project Schedule							Manchester Memorial Elementary School																				Attachment .													
Activity ID		Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023														
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4											
	2F2 250	Install Sprinklers drops and heads	8	24-Mar-21	02-Apr-21	29									<div>█ Install Sprinklers drops and heads</div>																									
	2F2 170	Install Floor & Wall Tile	10	24-Mar-21	06-Apr-21	32									<div>█ Install Floor & Wall Tile</div>																									
	2F2 260	Pull ATC/Teledata Wiring	10	02-Apr-21	15-Apr-21	42									<div>█ Pull ATC/Teledata Wiring</div>																									
	2F2 150	Install Acoustical Ceiling Tile & Wood Ceiling Panels	5	05-Apr-21	09-Apr-21	29									<div>▮ Install Acoustical Ceiling Tile & Wood Ceiling Panels</div>																									
	2F2 180	Paint Finish Coat	5	05-Apr-21	09-Apr-21	29									<div>▮ Paint Finish Coat</div>																									
	2F2 210	Install Millwork & Casework	15	05-Apr-21	23-Apr-21	41									<div>█ Install Millwork & Casework</div>																									
	2F2 240	Install Division 10,11,12	5	12-Apr-21	16-Apr-21	36									<div>▮ Install Division 10,11,12</div>																									
	2F2 220	Prep & Install Flooring	12	12-Apr-21	27-Apr-21	29									<div>█ Prep & Install Flooring</div>																									
	2F2 190	Install MEP & Fire Alarm Finishes	5	16-Apr-21	22-Apr-21	42									<div>▮ Install MEP & Fire Alarm Finishes</div>																									
	2F2 230	Complete Finishes 2nd Floor	0		27-Apr-21	29									<div>◆ Complete Finishes 2nd Floor</div>																									
1st Floor Finishes - Admin & Pre-K							66	18-Mar-21	18-Jun-21	2																														
	2F1 100	Start Finishes 1st Floor	0	18-Mar-21		4	<div>◆ Start Finishes 1st Floor</div>																																	
	2F1 110	Hang Drywall/Tape & Finish	12	24-Mar-21	08-Apr-21	0	<div>█ Hang Drywall/Tape & Finish</div>																																	
	2F1 120	Paint - Prime & First Coat	5	02-Apr-21	08-Apr-21	2	<div>▮ Paint - Prime & First Coat</div>																																	
	2F1 130	Install Ceiling Grids and Frames	5	09-Apr-21	15-Apr-21	2	<div>▮ Install Ceiling Grids and Frames</div>																																	
	2F1 250	Install Sprinklers drops and heads	5	09-Apr-21	15-Apr-21	12	<div>▮ Install Sprinklers drops and heads</div>																																	
	2F1 360	Install Doors, HW, Interior SF & Interior Glazing	5	09-Apr-21	15-Apr-21	9	<div>▮ Install Doors, HW, Interior SF & Interior Glazing</div>																																	
	2F1 260	Pull ATC/Teledata Wiring	10	13-Apr-21	26-Apr-21	20	<div>█ Pull ATC/Teledata Wiring</div>																																	
	2F1 140	Install Light Fixtures	10	16-Apr-21	29-Apr-21	2	<div>█ Install Light Fixtures</div>																																	
	2F1 160	Install HVAC Radiant Panels & RGDs	10	16-Apr-21	29-Apr-21	37	<div>█ Install HVAC Radiant Panels & RGDs</div>																																	
	2F1 170	Install Floor & Wall Tile	10	16-Apr-21	29-Apr-21	22	<div>█ Install Floor & Wall Tile</div>																																	
	2F1 150	Install Acoustical Ceiling Tile & Acoustical Panels	15	16-Apr-21	06-May-21	19	<div>█ Install Acoustical Ceiling Tile & Acoustical Panels</div>																																	
	2F1 180	Paint Finish Coat	5	30-Apr-21	06-May-21	2	<div>▮ Paint Finish Coat</div>																																	
	2F1 190	Install MEP & Fire Alarm Finishes	5	30-Apr-21	06-May-21	17	<div>▮ Install MEP & Fire Alarm Finishes</div>																																	
	2F1 200	Install Bathroom Plumbing Fixtures	5	30-Apr-21	06-May-21	22	<div>▮ Install Bathroom Plumbing Fixtures</div>																																	
	2F1 240	Install Division 10,11,12	10	07-May-21	20-May-21	22	<div>█ Install Division 10,11,12</div>																																	
	2F1 210	Install Millwork & Casework	15	07-May-21	27-May-21	2	<div>█ Install Millwork & Casework</div>																																	
	2F1 270	Install Classroom Bathroom Fixtures	8	28-May-21	09-Jun-21	9	<div>█ Install Classroom Bathroom Fixtures</div>																																	
	2F1 220	Prep & Install Flooring	15	28-May-21	18-Jun-21	2	<div>█ Prep & Install Flooring</div>																																	
	2F1 230	Complete Finishes 1st Floor	0		18-Jun-21	2	<div>◆ Complete Finishes 1st Floor</div>																																	
Gymnasium/Cafeteria/Stage Finishes							68	18-Mar-21	22-Jun-21	0																														
	2FG 100	Start Finishes Gymnasium/Caf/Stage	0	18-Mar-21		9	<div>◆ Start Finishes Gymnasium/Caf/Stage</div>																																	
	2FG 110	Hang Drywall/Tape & Finish	12	31-Mar-21	15-Apr-21	0	<div>█ Hang Drywall/Tape & Finish</div>																																	
	2FG 120	Paint - Prime & First Coat	7	09-Apr-21	19-Apr-21	0	<div>▮ Paint - Prime & First Coat</div>																																	
	2FG 370	Install Doors, HW, Interior SF & Interior Glazing	5	20-Apr-21	26-Apr-21	7	<div>▮ Install Doors, HW, Interior SF & Interior Glazing</div>																																	
	2FG 130	Install Ceiling Grids and Frames	10	20-Apr-21	03-May-21	0	<div>█ Install Ceiling Grids and Frames</div>																																	
	2FG 250	Install Sprinkler drops and heads	8	27-Apr-21	06-May-21	2	<div>▮ Install Sprinkler drops and heads</div>																																	
	2FG 140	Install Light Fixtures	10	27-Apr-21	10-May-21	0	<div>█ Install Light Fixtures</div>																																	
	2FG 160	Install HVAC Radiant Panels & RGDs	10	04-May-21	17-May-21	25	<div>█ Install HVAC Radiant Panels & RGDs</div>																																	
	2FG 170	Install Floor & Wall Tile	15	04-May-21	24-May-21	8	<div>█ Install Floor & Wall Tile</div>																																	
	2FG 260	Construct Stage Platform	15	04-May-21	24-May-21	5	<div>█ Construct Stage Platform</div>																																	
	2FG 150	Install Acoustical Ceiling Tile and Wood Ceiling Panels	8	07-May-21	18-May-21	14	<div>▮ Install Acoustical Ceiling Tile and Wood Ceiling Panels</div>																																	
	2FG 180	Paint Finish Coat	7	11-May-21	19-May-21	0	<div>▮ Paint Finish Coat</div>																																	
	2FG 190	Install MEP & Fire Alarm Finishes	15	13-May-21	03-Jun-21	13	<div>█ Install MEP & Fire Alarm Finishes</div>																																	
	2FG 210	Install Millwork & Casework	15	13-May-21	03-Jun-21	13	<div>█ Install Millwork & Casework</div>																																	
	2FG 310	Install Gymnasium Equipment & Telescoping Bleachers	8	20-May-21	01-Jun-21	0	<div>█ Install Gymnasium Equipment & Telescoping Bleachers</div>																																	
	2FG 240	Install Division 10,11,12	10	20-May-21	03-Jun-21	13	<div>▮ Install Division 10,11,12</div>																																	
	2FG 200	Install Bathroom Plumbing Fixtures	5	25-May-21	01-Jun-21	15	<div>▮ Install Bathroom Plumbing Fixtures</div>																																	
	2FG 300	Install Stage Rigging	5	25-May-21	01-Jun-21	10	<div>▮ Install Stage Rigging</div>																																	
	2FG 220	Prep & Install Resilient Flooring	12	25-May-21	10-Jun-21	8	<div>█ Prep & Install Resilient Flooring</div>																																	
	2FG 290	Install Gymnasium Flooring	10	02-Jun-21	15-Jun-21	0	<div>█ Install Gymnasium Flooring</div>																																	
	2FG 280	Install Stage Flooring	5	16-Jun-21	22-Jun-21	0	<div>▮ Install Stage Flooring</div>																																	
	2FG 230	Complete Finishes Gym/Caf/Stage	0		22-Jun-21	0	<div>◆ Complete Finishes Gym/Caf/Stage</div>																																	
Kitchen Finishes							57	02-Apr-21	22-Jun-21	0																														
	2FK 100	Start Finishes Kitchen	0	02-Apr-21		0	<div>◆ Start Finishes Kitchen</div>																																	
	2FK 110	Hang Drywall/Tape & Finish	5	02-Apr-21	08-Apr-21	0	<div>▮ Hang Drywall/Tape & Finish</div>																																	
	2FK 120	Paint - Prime & First Coat	5	09-Apr-21	15-Apr-21	0	<div>▮ Paint - Prime & First Coat</div>																																	
	2FK 130	Install Ceiling Grids and Frames	5	16-Apr-21	22-Apr-21	0	<div>▮ Install Ceiling Grids and Frames</div>																																	
<div>█ Summary</div> <div>█ Remaining Work</div> <div>█ Critical Remaining Work</div>							◆ Milestone							◆ Critical Milestone							Manchester Memorial Elementary School Page 25 of 28										W.T. RICH COMPANY, INC.									

Project Schedule						Manchester Memorial Elementary School																Attachment .							
Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023				
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
3DEM 10	Mobilize Phase 3 - Close of School 2021	1	28-Jun-21*	28-Jun-21	0									Mobilize Phase 3 - Close of School 2021															
3DEM 11	Conduct Abatement of Remaining Building (Boiler Room, Gym, Auditorium	10	28-Jun-21	12-Jul-21	0									Conduct Abatement of Remaining Building (Boiler Room, Gym, Auditorium, Cafeteria, Northwest Classroom, etc.)															
3DEM 12	Demolish and Remove Building & Foundation .	20	06-Jul-21	02-Aug-21	0									Demolish and Remove Building & Foundation .															
Site Finishes		141	12-Apr-21	28-Oct-21	23																								
Site Utilities		30	03-Aug-21	14-Sep-21	0																								
3SIT 300	Site Drainage (North Side of Site)	20	03-Aug-21	30-Aug-21	5									Site Drainage (North Side of Site)															
3SIT 650	Infiltration System	20	03-Aug-21	30-Aug-21	0									Infiltration System															
3SIT 310	Site lighting and light pole bases	10	31-Aug-21	14-Sep-21	0									Site lighting and light pole bases															
Priority Walkways for School Opening		81	12-Apr-21	04-Aug-21	0																								
A1000	Utilites (drainage/site lighting) at South Side of Site (K-1 and Pre-K Areas)	30	12-Apr-21	21-May-21	0									Utilites (drainage/site lighting) at South Side of Site (K-1 and Pre-K Areas)															
A1010	Grade and prepare sub-base	3	23-Jun-21	25-Jun-21	0									Grade and prepare sub-base															
A1020	Form and prep for concrete walkways	5	28-Jun-21	02-Jul-21	0									Form and prep for concrete walkways															
A1030	Place and finish concrete walks	10	09-Jul-21	22-Jul-21	7									Place and finish concrete walks															
A1040	Accessible for school access	2	03-Aug-21	04-Aug-21*	0									Accessible for school access															
Play Areas		134	19-Apr-21	26-Oct-21	25																								
Playground Outside K thru 1 - Southside of School		64	19-Apr-21	19-Jul-21	52																								
3SIT 67	Form & Pour Concrete Retaining Walls	5	19-Apr-21*	23-Apr-21	0									Form & Pour Concrete Retaining Walls															
3SIT 40	Rough Grading	3	24-May-21	26-May-21	0									Rough Grading															
3SIT 42	Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencir	5	27-May-21	03-Jun-21	0									Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencing															
3SIT 45	Set Curb, Raised Planters, and Finish Grade	3	04-Jun-21	08-Jun-21	0									Set Curb, Raised Planters, and Finish Grade															
3SIT 43	Pour Concrete Sidewalks and Pads	10	09-Jun-21	22-Jun-21	0									Pour Concrete Sidewalks and Pads															
3SIT 62	Install Sub Base and Asphalt Binder Course	3	23-Jun-21	25-Jun-21	0									Install Sub Base and Asphalt Binder Course															
3SIT 61	Install Safety Play Surfacing	5	23-Jun-21	29-Jun-21	10									Install Safety Play Surfacing															
3SIT 41	Install Playground Equipment / Above Ground / Surface Mount Furnishings	10	23-Jun-21	07-Jul-21	60									Install Playground Equipment / Above Ground / Surface Mount Furnishings / Fencing															
3SIT 55	Install Plantings & Lawns	10	30-Jun-21	14-Jul-21	10									Install Plantings & Lawns															
3SIT 52	Asphalt Paved Walkways	3	15-Jul-21	19-Jul-21	10									Asphalt Paved Walkways															
Playground at Pre-K - Eastside		57	27-May-21	17-Aug-21	41																								
3SIT 50	Rough Grading	3	27-May-21	01-Jun-21	23									Rough Grading															
3SIT 30	Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencir	5	02-Jun-21	08-Jun-21	23									Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencing															
3SIT 30	Set Curb, Raised Planters, and Finish Grading	3	06-Jul-21	08-Jul-21	0									Set Curb, Raised Planters, and Finish Grading															
3SIT 30	Pour Concrete Pavement and Pads	10	09-Jul-21	22-Jul-21	0									Pour Concrete Pavement and Pads															
3SIT 60	Install Sub Base and Asphalt Binder Course	3	23-Jul-21	27-Jul-21	4									Install Sub Base and Asphalt Binder Course															
3SIT 50	Install Plantings and Lawns	5	23-Jul-21	29-Jul-21	0									Install Plantings and Lawns															
3SIT 60	Install Safety Play Surfacing	5	28-Jul-21	03-Aug-21	41									Install Safety Play Surfacing															
3SIT 51	Asphalt Paved Walkways	2	30-Jul-21	02-Aug-21	0									Asphalt Paved Walkways															
3SIT 37	Install Play Equipment / Above Ground / Surface Mount Furnishings / Fencir	10	04-Aug-21	17-Aug-21	41									Install Play Equipment / Above Ground / Surface Mount Furnishings / Fencing															
Basketball Court		40	31-Aug-21	26-Oct-21	25																								
3SIT 42	Rough Grading	3	31-Aug-21	02-Sep-21	6									Rough Grading															
3SIT 40	Set Footings / Posts for Inground Mount BBA Goals, Benches, Fencing,	5	08-Sep-21	14-Sep-21	0									Set Footings / Posts for Inground Mount BBA Goals, Benches, Fencing, Lighting etc.															
3SIT 40	Fine Grade for Surfacing	3	15-Sep-21	17-Sep-21	0									Fine Grade for Surfacing															
3SIT 57	Install Bituminous Binder course	5	20-Sep-21	24-Sep-21	0									Install Bituminous Binder course															
3SIT 47	Install Bituminous Court Surface & markings	10	27-Sep-21	08-Oct-21	0									Install Bituminous Court Surface & markings															
3SIT 62	Install Plantings & Lawns	10	08-Oct-21	21-Oct-21	0									Install Plantings & Lawns															
3SIT 45	Install Hoops & Above Ground Furnishings - Benches & Furnishings	5	11-Oct-21	15-Oct-21	9									Install Hoops & Above Ground Furnishings - Benches & Furnishings															
3SIT 50	Install Asphalt Walkways	3	22-Oct-21	26-Oct-21	25									Install Asphalt Walkways															
Playground for Grades 2-5 / Plinkoball Court - NorthWest		27	03-Sep-21	12-Oct-21	12																								
3SIT 52	Rough Grading	2	03-Sep-21	07-Sep-21	6									Rough Grading															
3SIT 32	Set Flush Curb & Finish Grading	3	08-Sep-21	10-Sep-21	6									Set Flush Curb & Finish Grading															
3SIT 32	Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencir	5	08-Sep-21	14-Sep-21	6									Set Footings / Posts / Bollards for Inground Mount Furnishings and Fencing															
3SIT 30	Install Sub Base and Asphalt Binder Course	2	13-Sep-21	14-Sep-21	16									Install Sub Base and Asphalt Binder Course															
3SIT 60	Install Plantings & Lawns	1	15-Sep-21	15-Sep-21	16									Install Plantings & Lawns															
3SIT 30	Install Safety Play Surfacing	5	15-Sep-21	21-Sep-21	17									Install Safety Play Surfacing															
3SIT 70	Install Play Equipment / Above Ground / Surface Mount Furnishings / Fencir	10	22-Sep-21	05-Oct-21	17									Install Play Equipment / Above Ground / Surface Mount Furnishings / Fencing															
3SIT 50	Install Bituminous Court Surfacing and Markings	1	11-Oct-21	11-Oct-21	12									Install Bituminous Court Surfacing and Markings															
3SIT 50	Aphalt Paved Walkways	1	12-Oct-21	12-Oct-21	12									Aphalt Paved Walkways															
Parking Lot & Asphalt Paving (at Demolished Bldg)		23	15-Sep-21	15-Oct-21	9																								
3SIT 180	Final Prep for Sub-base	5	15-Sep-21	21-Sep-21	16									Final Prep for Sub-base															
3SIT 190	Lay 8" Gravel Sub-base	5	22-Sep-21	28-Sep-21	16									Lay 8" Gravel Sub-base															
3SIT 200	Install Curbs/Berns	5	22-Sep-21	28-Sep-21	16									Install Curbs/Berns															

Summary

Remaining Work

Critical Remaining Work

Milestone

Critical Milestone

Manchester Memorial Elementary School

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W.T. RICH COMPANY, INC.

Activity ID	Activity Name	Orig Dur	Start	Finish	Tot Float	2018			2019				2020				2021				2022				2023			
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
3SIT	210	Install Binder Course	5	23-Sep-21	29-Sep-21	16																						
	220	Install Top Course	5	11-Oct-21	15-Oct-21	9																						
	Main Entrance Plaza		28	13-Sep-21	20-Oct-21	29																						
	100	Grading Prep & Install Remaining Bases	5	13-Sep-21	17-Sep-21	6																						
	110	Prep & Form Sidewalks	15	20-Sep-21	08-Oct-21	6																						
	120	Pour Concrete Sidewalks	10	23-Sep-21	06-Oct-21	6																						
	130	Install Plantings & Lawn	10	27-Sep-21	08-Oct-21	9																						
	240	Install Bike Racks, Flag Poles, Planters, Site Furnishings	5	30-Sep-21	06-Oct-21	39																						
	690	Finish Exterior Canopy & Main Entrance Tie-ins	10	07-Oct-21	20-Oct-21	6																						
	General Site Finishes		29	20-Sep-21	28-Oct-21	0																						
	230	Install Traffic Signage	1	20-Sep-21	20-Sep-21	23																						
	170	Landscape Work-to- Complete	5	22-Oct-21	28-Oct-21	0																						
	Completion and Closeout - Phase 3		77	08-Oct-21	31-Jan-22	-39																						
	3CO 100	Final Site As-BUILts & Warrantees	20	08-Oct-21	04-Nov-21	18																						
	3CO 110	Completion of site contract work	0		28-Oct-21	0																						
	3CO 120	Landscape Architect's Punch List	5	29-Oct-21	04-Nov-21	0																						
	3CO 130	Design / Owner Affidavits / Final insp, Cert. of Occupancy	5	04-Nov-21	10-Nov-21	12																						
	3CO 180	Correction of all remaining punch list items	15	05-Nov-21	29-Nov-21	0																						
	3CO 140	PROJECTED Substantial Completion - Phase 3	0		29-Nov-21	0																						
3CO 150	REQUIRED Substantial Completion - Phase 3	0		30-Nov-21*	0																							
3CO 190	Project Closeout documentation	40	30-Nov-21	26-Jan-22	-37																							
3CO 160	PROJECTED Final Project Completion	0		26-Jan-22	-37																							
3CO 170	REQUIRED Project Final Completion	0		31-Jan-22*	-39																							

Install Binder Course

Install Top Course

Grading Prep & Install Remaining Bases

Prep & Form Sidewalks

Pour Concrete Sidewalks

Install Plantings & Lawn

Install Bike Racks, Flag Poles, Planters, Site Furnishings

Finish Exterior Canopy & Main Entrance Tie-ins

Install Traffic Signage

Landscape Work-to- Complete

Final Site As-BUILts & Warrantees

Completion of site contract work

Landscape Architect's Punch List

Design / Owner Affidavits / Final insp, Cert. of Occupancy

Correction of all remaining punch list items

PROJECTED Substantial Completion - Phase 3

REQUIRED Substantial Completion - Phase 3

Project Closeout documentation

PROJECTED Final Project Completion

REQUIRED Project Final Completion