Rehabilitation of North Main Street Bridge At Trout Brook – West Hartford CT

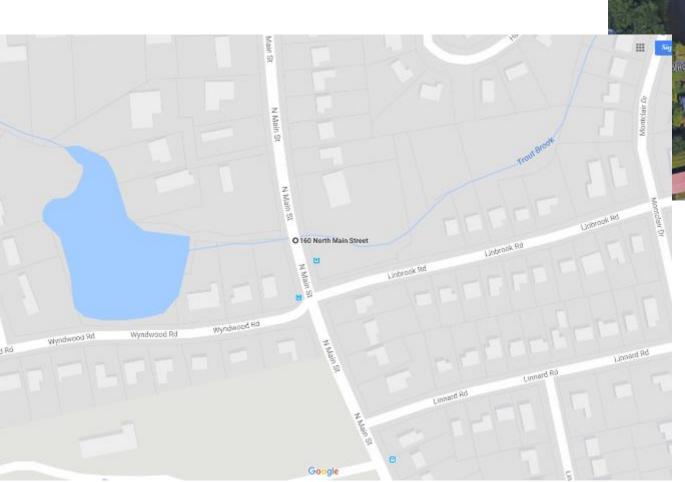
Duane Martin, PE Town Engineer Jeff Scala, PE Tectonic Engineering

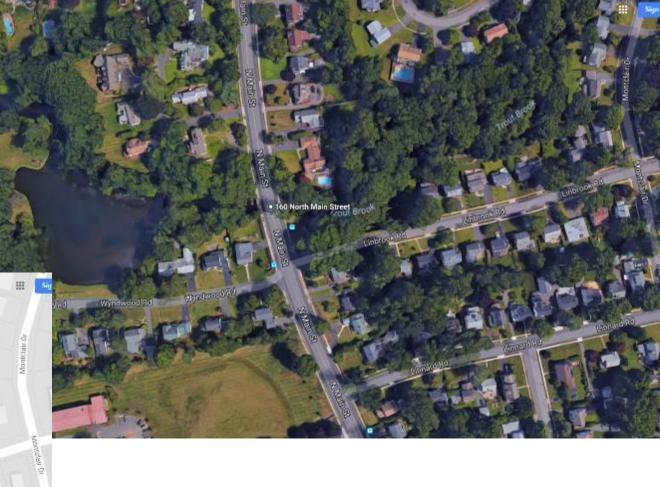
Tectonic PN: 6550.01

Introduction

- Town of West Hartford: Duane Martin PE
- Contractor: McNamee Construction, Cody McManama
- Design and Inspection: Tectonic Engineering, Jeff Scala, PE

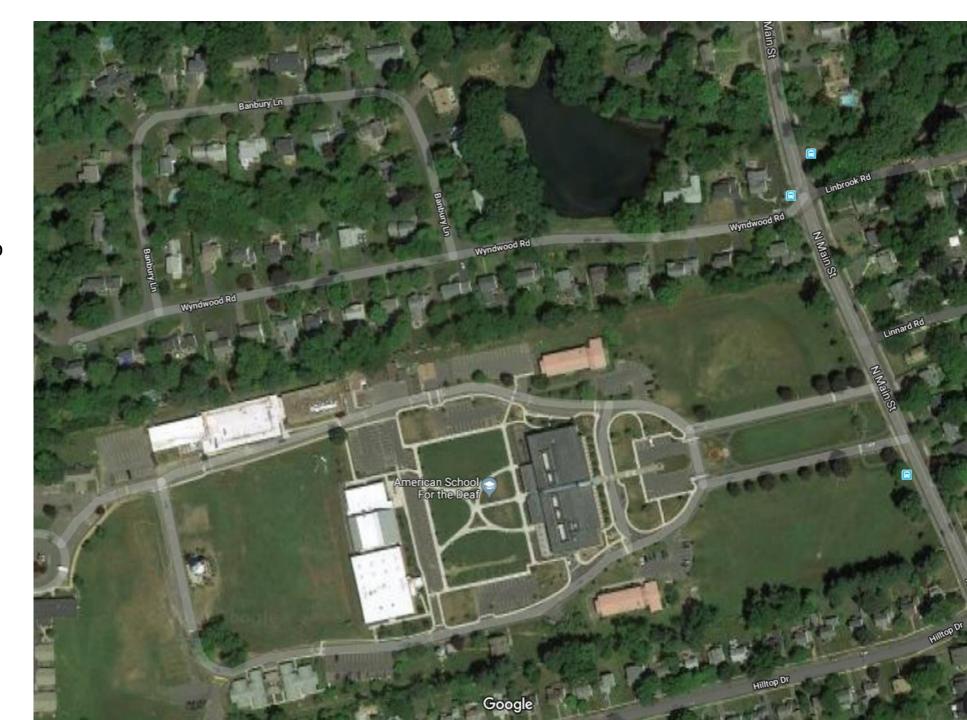
Where





ASD Location

- Approximately 500 feet to closest driveway



Why the Project - Rehabilitation

- Deterioration
- Scour

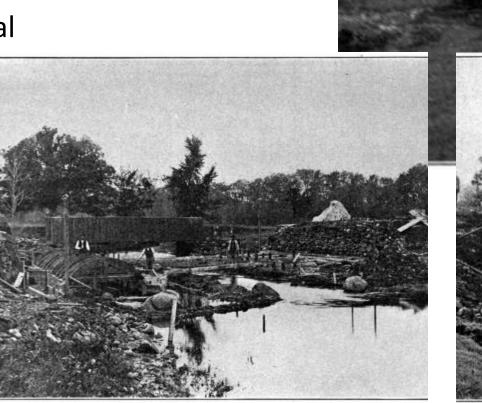


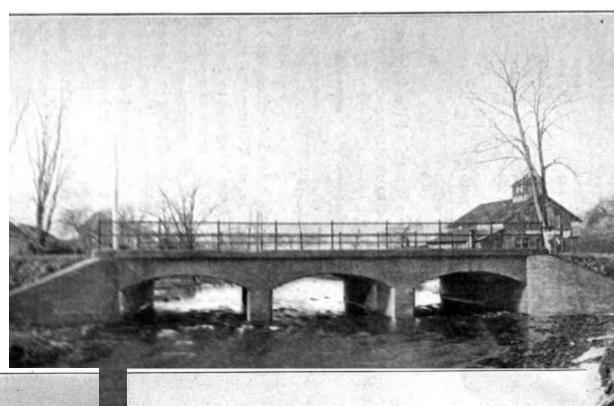
What – Long Term Improvements

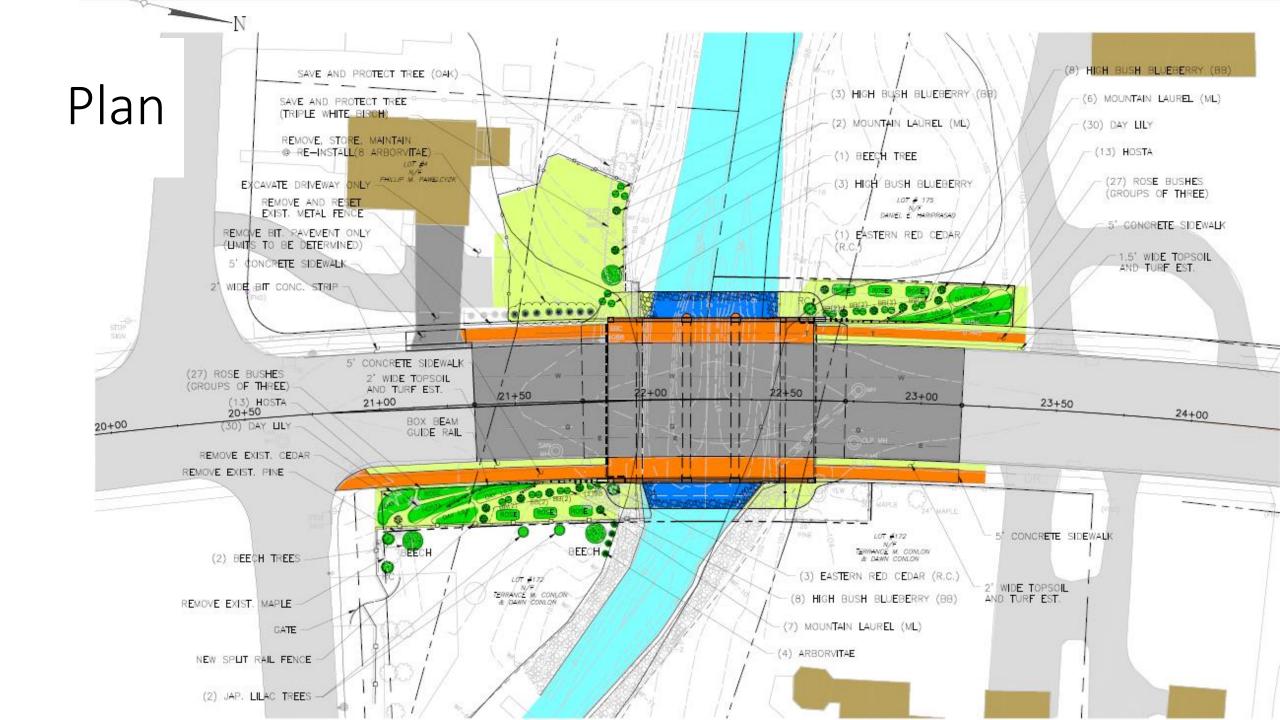
- Concrete repairs
 - Repair construction joints
 - Spalling along abutments and pier
 - Spandrel wall and wingwall replacement
 - Parapet replacement
- Scour countermeasure
 - Shoreblock revetment
 - 12" native material
- Bridge Upgrades
 - Adding concrete roadway
 - Waterproof membrane
- Replace water main
- Aesthetic treatments

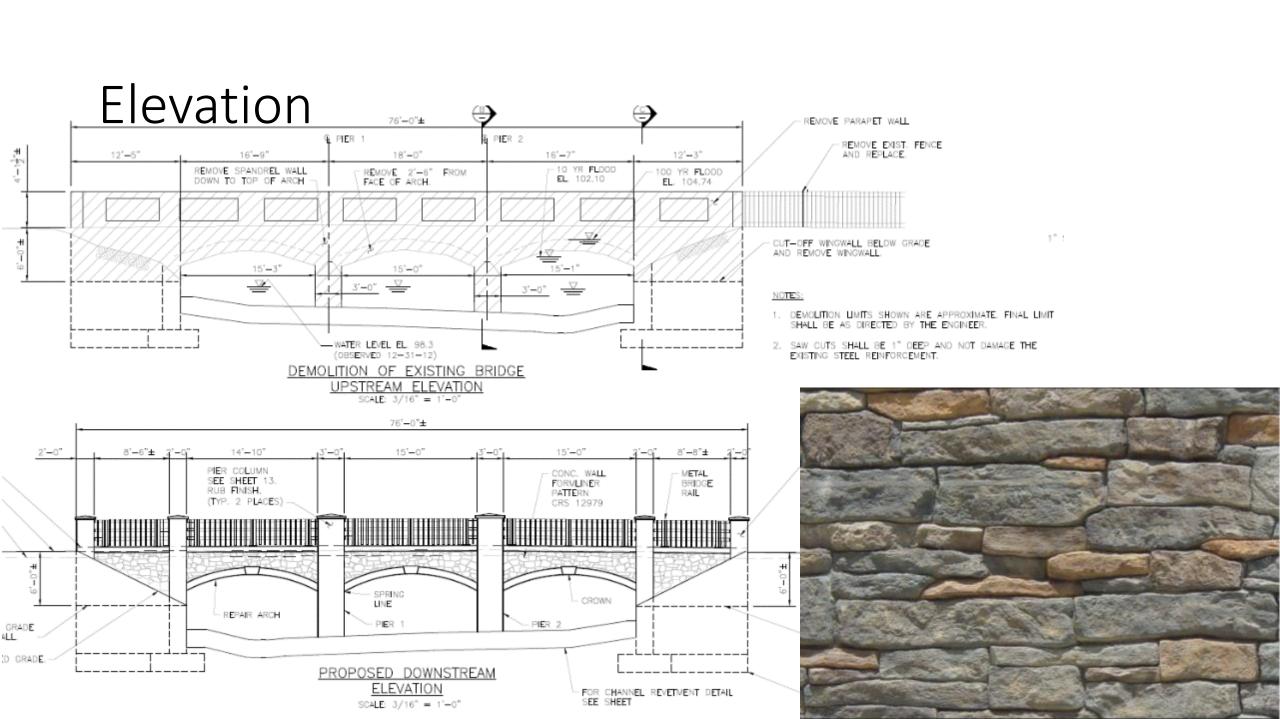
Historic

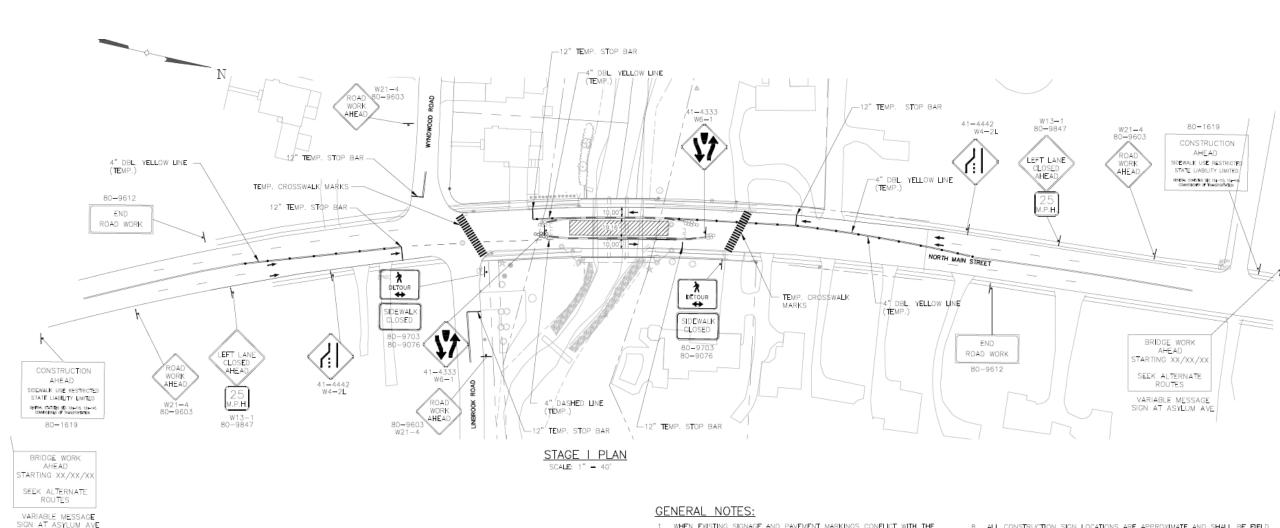
- Built 1901
- One of the first reinforced concrete arches
- SHPO Approval

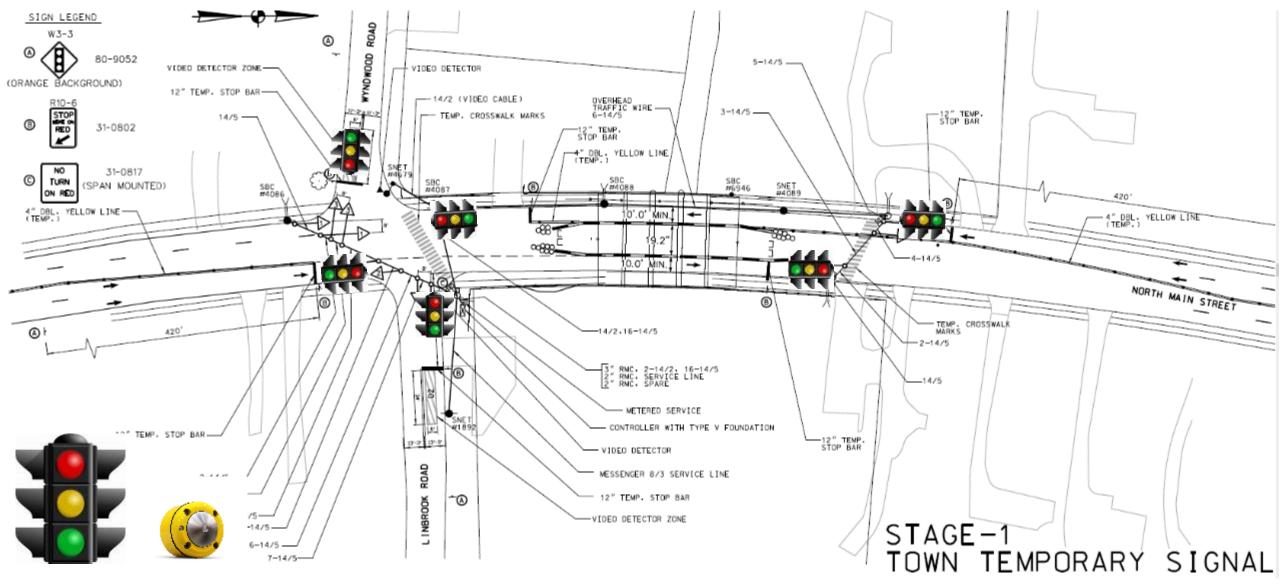


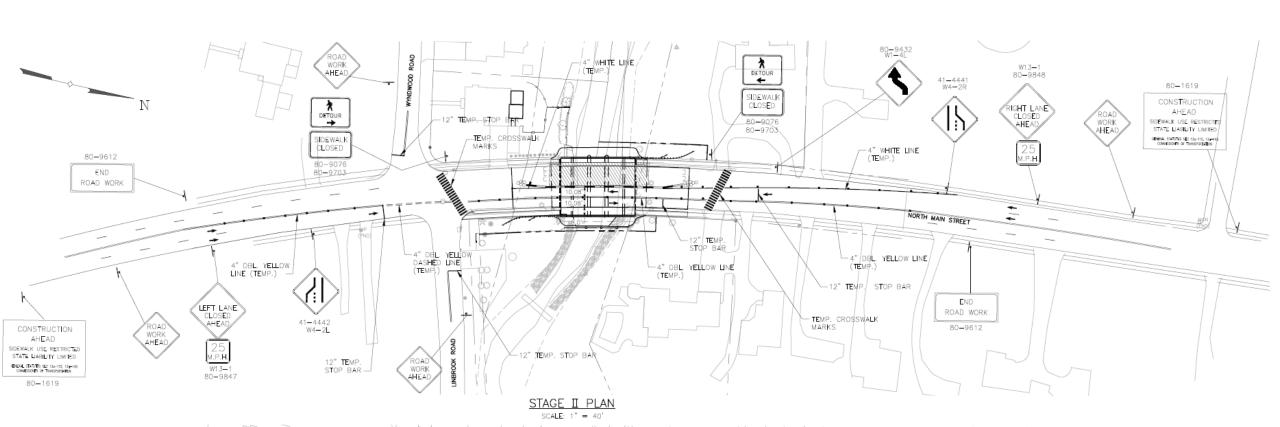


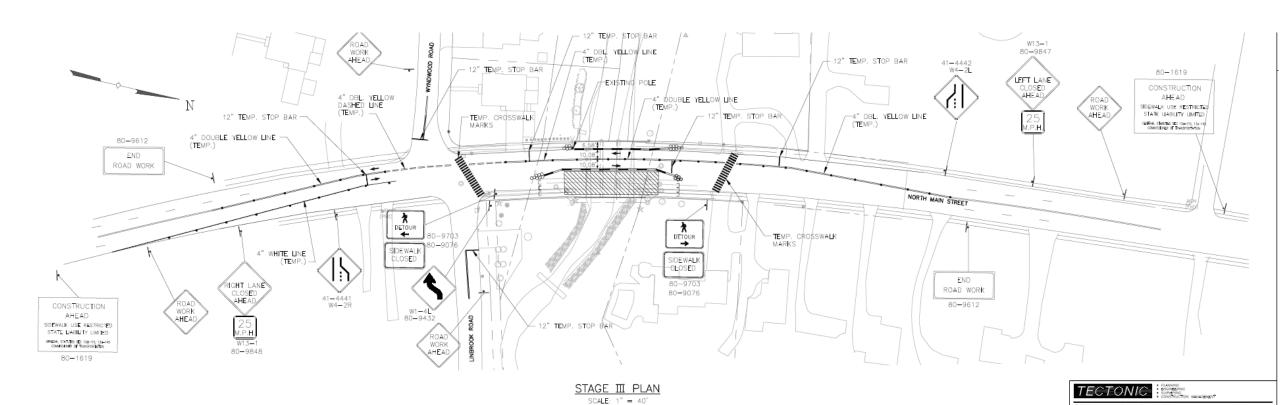


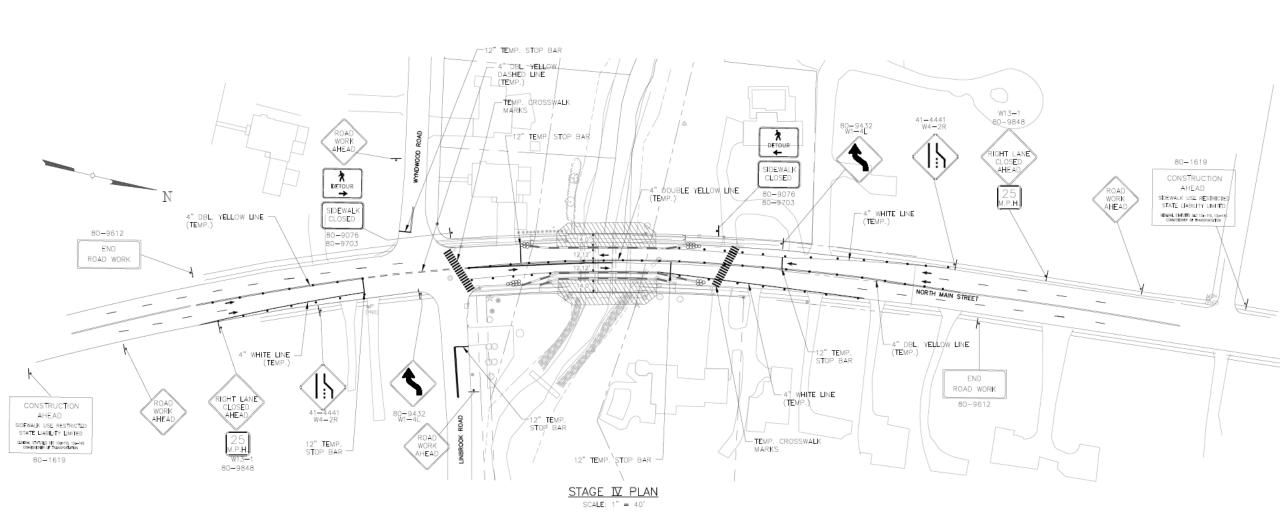












Construction Schedule

- Recently bid
- Awarded
- Construction Starting this winter
- Completion: June 2021

			Actual		2019		Half 1, 2	020			Half 2,	2020			На	If 1, 20	21
Task Name ■ North Main Street - West Hartford CT Notice to Proceed Kickoff meeting	→ Duration →	Start 🗸	Finish - Finish	→ Predecessors →	OND	JF	M	A M ,	J J	Α	S	0 1	N D	J	F	МА	
North Main Street - West Hartford CT	225 days	Mon 11/18/19	Tue 7/6/21 NA		_												
Notice to Proceed	16 days	Mon 11/18/19	Wed 12/11/19 Wed 12/11/1	9	1 <u> </u>												
Kickoff meeting	9 days	Tue 11/19/19	Tue 12/3/19 Tue 12/3/19	2	—												
shop drawings / working drawings	4 wks	Wed 12/4/19	Tue 12/31/19 NA	3		₽											
shop drawing / working drawing reviews	2 wks	Wed 1/1/20	Tue 1/14/20 NA	4		L)									
Field Trailer Set Up	0 wks	Wed 12/11/19	Wed 12/11/19 NA	2	∄	12/11											
Order Materials	4 wks	Wed 1/15/20	Tue 2/11/20 NA	5													
⊳ Stage I- Bridge	30 days	Tue 4/21/20	Mon 6/1/20 NA	5			,	—									
⊳ Stage II- Bridge	25 days	Tue 6/2/20	Mon 7/6/20 NA	8				Ť	-								
⊳ Stage III- Bridge	23 days	Tue 7/7/20	Thu 8/6/20 NA	17					*	•							
⊳ Stage IV- Bridge	23 days	Fri 8/7/20	Tue 9/8/20 NA	29						Ť	_						_
⊳ Stage I - Reventment	40 days	Fri 8/14/20	Thu 10/8/20 NA	43						-		•					
⊳ Stage II - Reventment	40 days	Fri 10/9/20	Fri 4/23/21 NA	58							,	_					Ţ
⊳ Stage III - Reventment	40 days	Mon 4/26/21	Fri 6/18/21 NA														•
Final overlay	2 days	Mon 6/21/21	Tue 6/22/21 NA	76,40,68													
Punch List and Clean up	2 wks	Wed 6/23/21	Tue 7/6/21 NA	40,49,77													

Thank You!



Duane J. Martin, P.E.

Town Engineer

Department of Community Development • Engineering Division

50 South Main Street | Room 204 | West Hartford CT 06107 | *t* 860.561.7539

Town of West Hartford | www.westhartfordct.gov

Questions?