

# NEWTON EARLY CHILDHOOD PROGRAM

DRC MEETING

NEWTON, MA

06 APRIL 2020

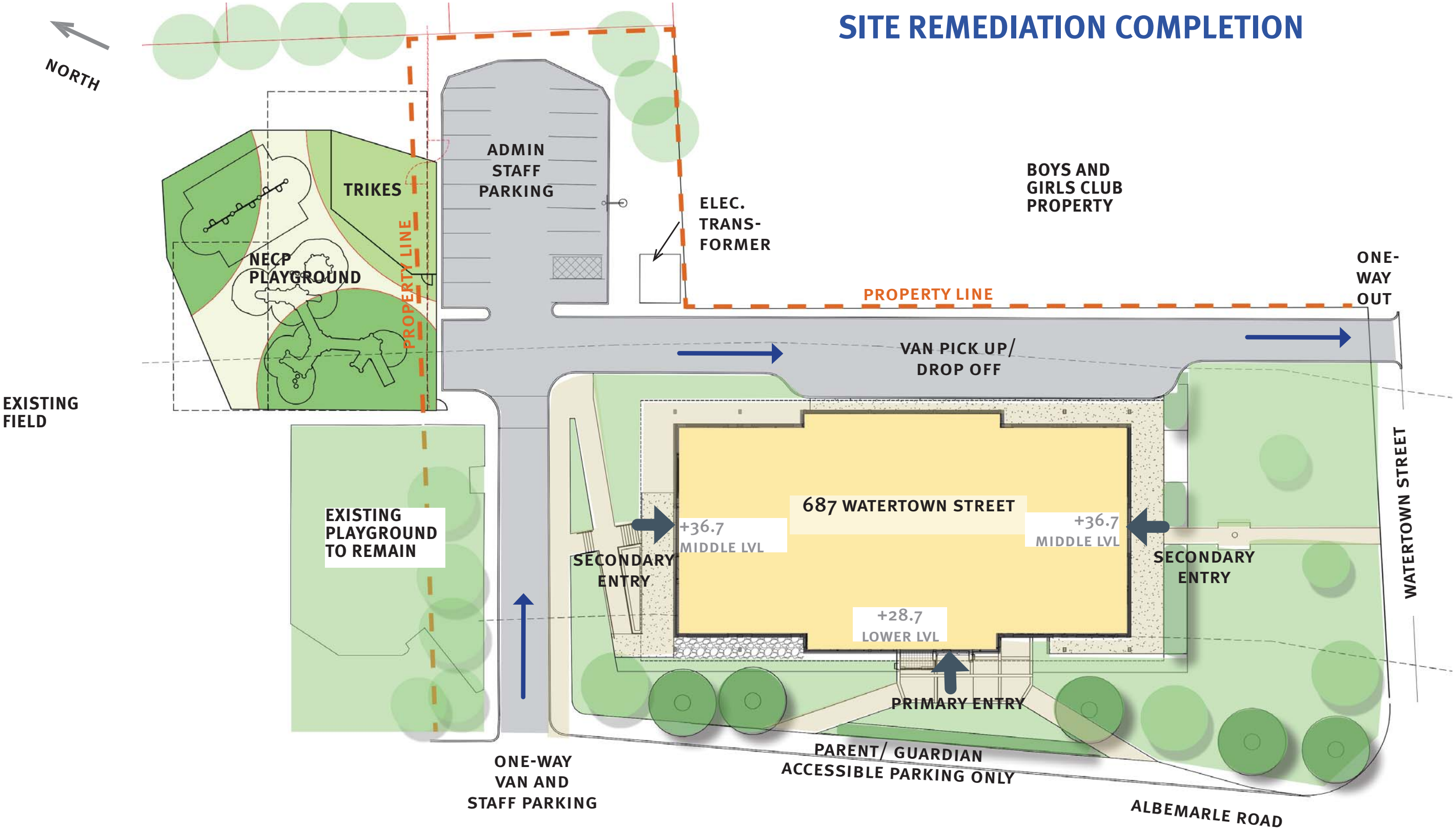
CONSTRUCTION DOCUMENT UPDATE  
SITE AND SOILS UPDATES  
DRC QUESTIONS  
COST ESTIMATE REVIEW  
SCHEDULE



# SITE PLAN UPDATES

# SITE PLAN

# PARKS & RECREATION APROVAL CONSERVATION COMMISSION APPROVAL SITE REMEDIATION COMPLETION



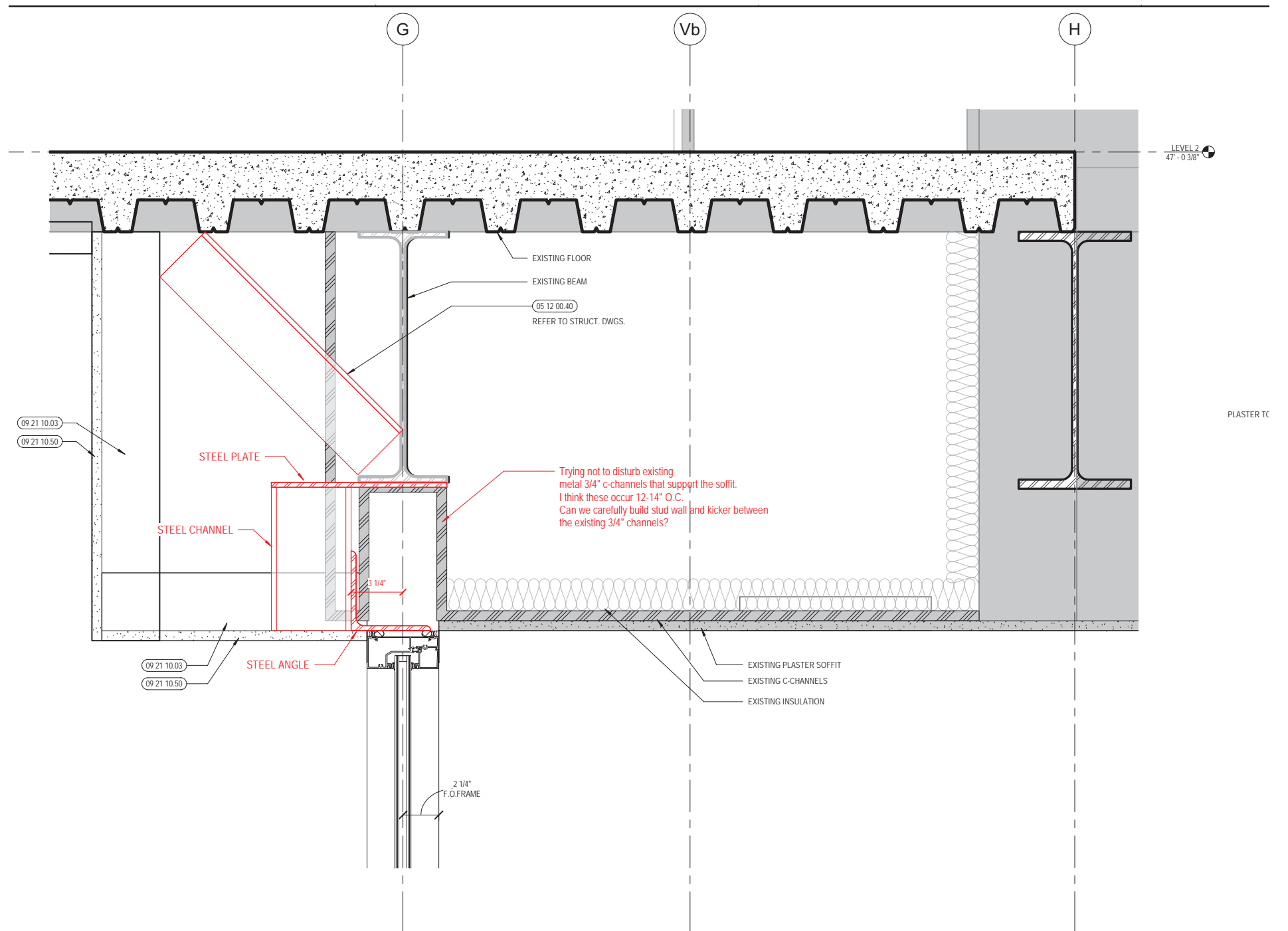
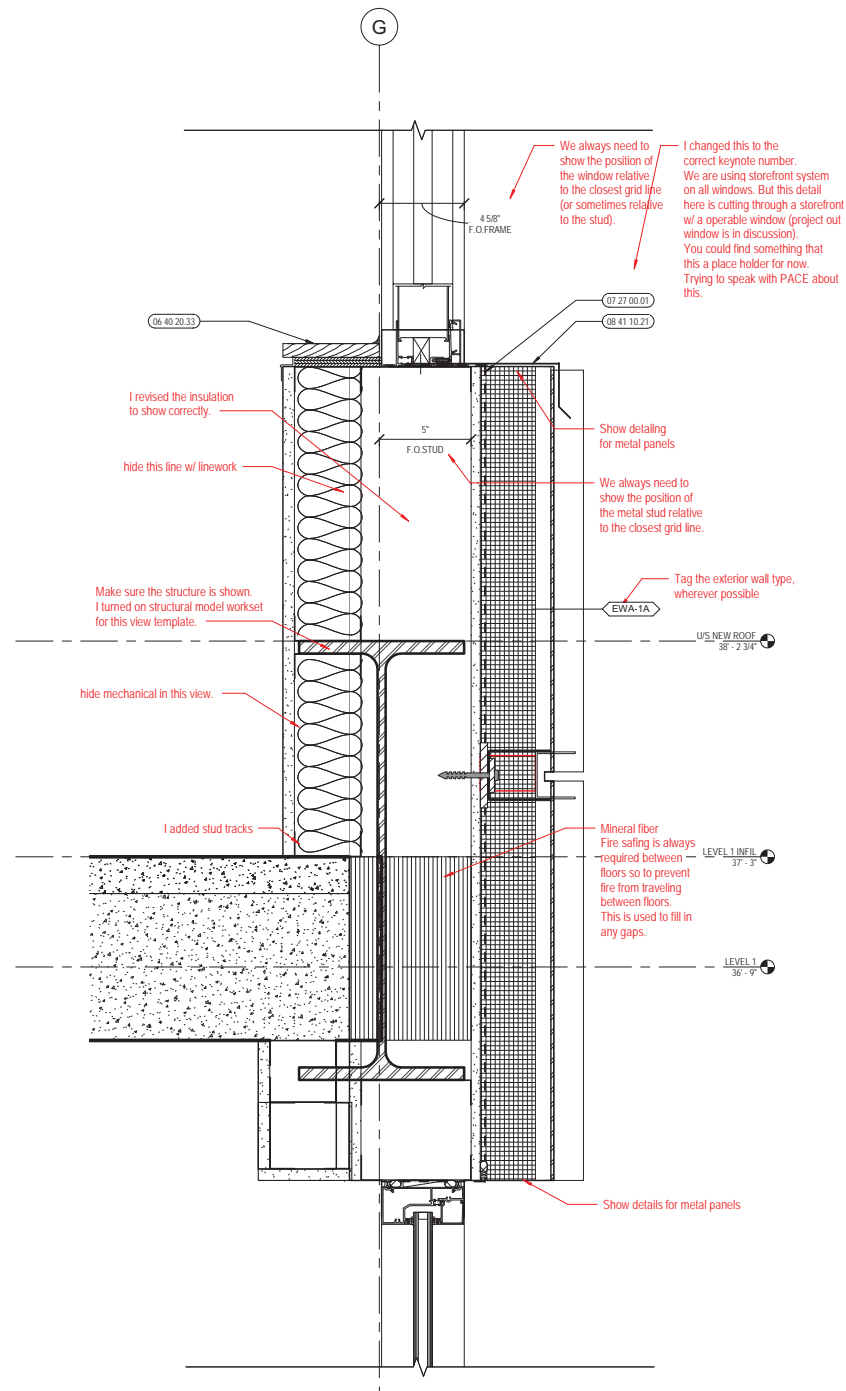
# RESPONSES TO DRC QUESTIONS

## **CLEAR RESULT AIR BLOWER TEST RECOMMENDATIONS**

**The Qualitative Air Leakage Testing Report was received from the City of Newton on Feb 18, 2020. The 60% Construction Documents Set was issued on Feb 28, 2020. The Design Team has reviewed the recommendations of the Report with PBD and will incorporate the following recommendations:**

- sealing of all de-commissioned unit ventilator openings in the soffit;**
- existing roof curbs will be replaced with new roofing;**
- existing exhaust shafts are being eliminated;**
- air ceiling around the perimeter walls and roof will be performed under separate contract by the City of Newton**

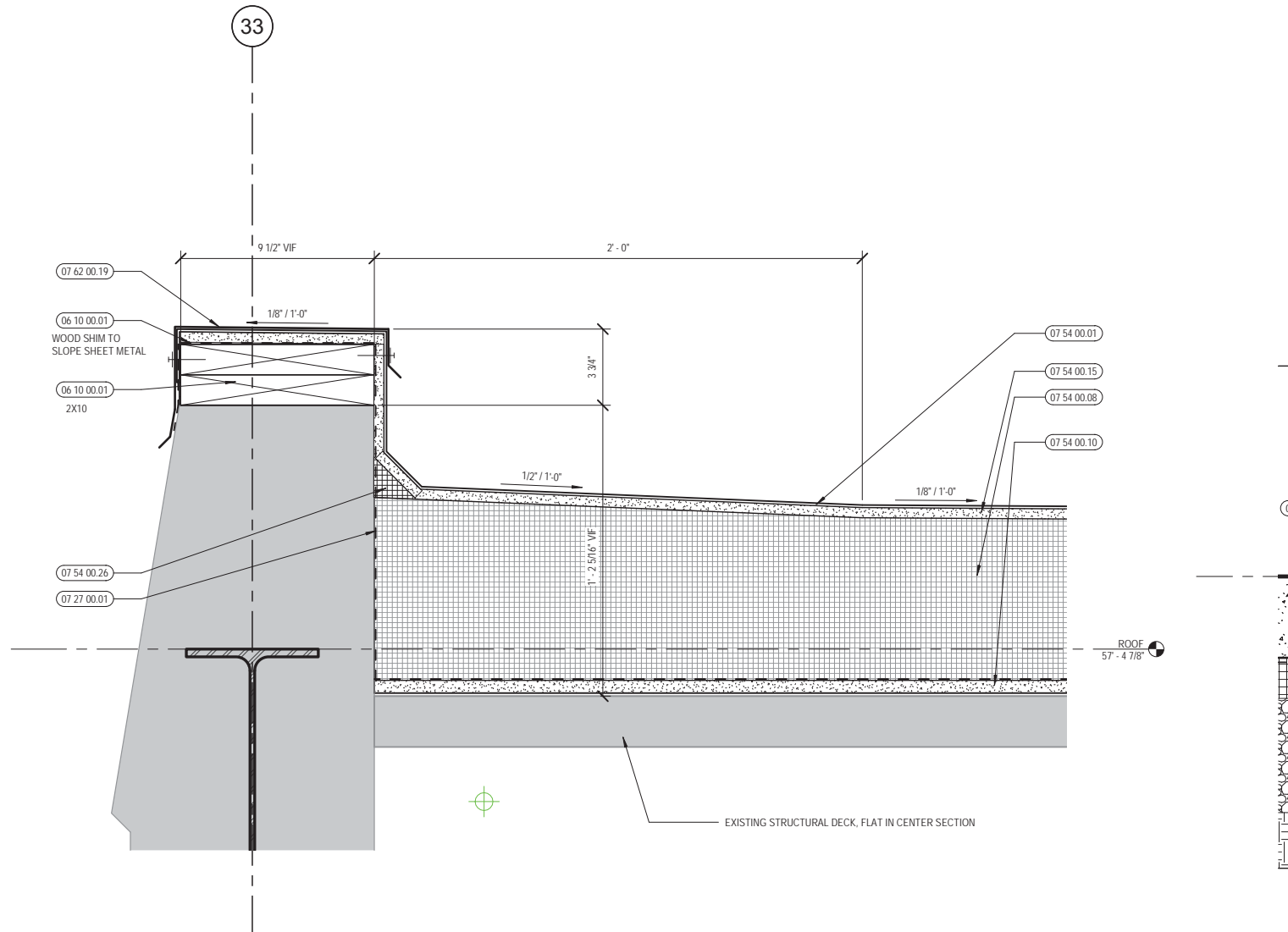
# WALL SECTIONS & DETAILS



2 OVERHANG @ LEVEL 2 DETAIL  
3" = 1'-0"

# WALL SECTIONS & DETAILS

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6 TYPICAL CURB DETAIL - PERPENDICULAR TO STRUCTURE  
3" = 1'-0"

5 SI  
3"

## BUILDING MANAGEMENT SYSTEM & CONTROLS

- VRF TO INCLUDE SYSTEM BASED CONTROL WITH SCHEDULING CAPABILITIES AND SPACE SETPOINT LIMITING CAPABILITIES.
- VRF SYSTEM SHALL CONTROL THE ASSOCIATED SUPPLEMENTAL ELECTRIC HEAT BY RELAY; AN ADJUSTABLE TEMPERATURE SETPOINT SHALL ACTIVATE THE SUPPLEMENTAL ELECTRIC HEAT, WITH A TIME DELAY
- DEMAND VENTILATION CONTROL IS NOT DESIRED, NEWTON PUBLIC SCHOOL'S PREFERS CONSTANT VOLUME SYSTEM BASED ON NECP PROGRAM AND POPULATION. DELETE ALL VAV'S,
- RTU'S TO BE CONSTANT VOLUME WITH ADJUSTABLE DISCHARGE SETPOINT RESET BASED ON OUTDOOR AIR TEMP.
- BMS SHALL MONITOR/ CONTROL THE RTU'S AND EF'S ONLY.
- AIR CURTAINS & ISOLATED TERMINAL HEATERS SHALL BE STAND-ALONE CONTROL



# COST ESTIMATE REVIEW

## COST ESTIMATE REVIEW

CONSTRUCTION BUDGET	<b>\$10,465,631</b>
SCHEMATIC DESIGN ESTIMATE INCL. PLAYGROUND(8/7/2019)	\$11,465,296
DESIGN DEVELOPMENT ESTIMATE INCL. PLAYGROUND (12/9/19)	\$9,950,256
60% CONSTRUCTION DOCUMENTS (2/28/2020)	\$9,824,764
DIFFERENCE:	<b>\$640,867</b>

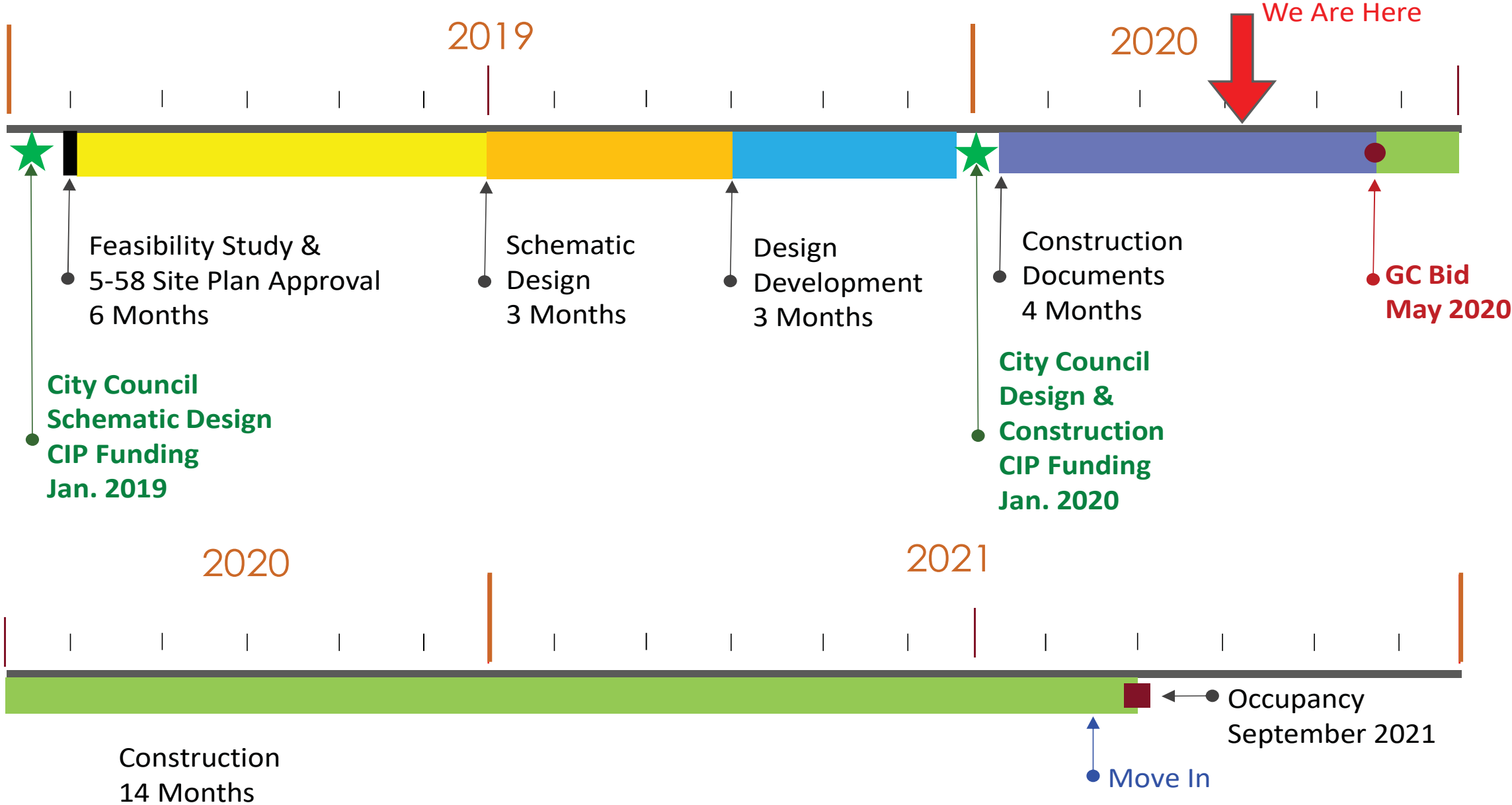
CONSTRUCTION COST SUMMARY		TRADE COSTS
1.	FOUNDATIONS	<b>\$180,387</b>
2.	STRUCTURE	<b>\$547,964</b>
3.	EXTERIOR CLOSURE	<b>\$290,474</b>
4.	ROOFING	<b>\$465,207</b>
5.	INTERIOR CONSTRUCTION	<b>\$1,175,213</b>
6.	STAIRCASES	<b>\$105,260</b>
7.	INTERIOR FINISHES	<b>\$436,598</b>
8.	CONVEYING SYSTEM	<b>\$165,000</b>
9.	SPECIAL CONSTRUCTION	<b>\$0</b>
10.	PLUMBING	<b>\$347,530</b>
11.	HVAC	<b>\$1,679,153</b>
12.	FIRE PROTECTION	<b>\$121,400</b>
13.	ELECTRICAL	<b>\$785,093</b>
14.	EQUIPMENT	<b>\$38,640</b>
15.	FURNISHINGS	<b>\$151,806</b>
16.	HAZMAT REMOVALS	<b>\$303,559</b>
	TOTAL:	<b>\$6,793,284</b>

# PROJECT PLAN AND TIMELINE



## CITY OF NEWTON | NECP PROJECT

### Project Plan & Timeline



NECP DRC Meeting – April 6, 2020



# BID SCHEDULE

**BID DOCUMENTS AVAILABLE**

**APRIL 16, 2020**

**PRE-BID WALKTHROUGH**

**TBD (BY APPOINTMENT)**

**FILED SUB TRADE BID OPENING**

**MAY 7, 2020**

**GENERAL BID OPENING**

**MAY 21, 2020**