

Project Monthly Report

October 2019

HILL

The Global Leader in Managing Construction Risk

Hill International







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1. Executive Summary

Executive Summary

This Project Manager's Report for the City of Newton's Lincoln Eliot-NECP (LE-NECP) Project submitted by **Hill International (Hill)**, covers activities for the month of October 2019.

During the month of October 2019, Hill provided the City with budget utilization updates for the project, updated budget and CIP FY 2020 funding report for NECP at 687 Watertown St, schedule and work plan updates, and LE-NECP Projects web page content management.

On October 1, 2019, Schematic Design Phase for NECP at 687 Watertown Street was completed based on reconciliation of scope to budget and Newton Public Schools acceptance of adjusted project work areas.

On October 10, 2019, Design Development Phase for NECP at 687 Watertown Street was started with submission of Arrowstreet Contract Amendment #03 and Hill Contract Amendment #02 to the City for approval and execution.

On October 16, 2019, Newton's Design Review Committee was provided a progress presentation for NECP at 687 Watertown St. The presentation included review of floor plans, renderings of the main lobby and stair, and work area adjustments implemented during schematic design phase to reconcile scope to budget without impacting the NECP program and needed operational adjacencies. The presentation also confirmed that the project scope continues to follow the scope and conditions of NECP 5-58 Site Plan Approval.

On October 17, 2019, a working group meeting was held to review and obtain input on floor plans, circulation within and between spaces in the building, building access and control, operational adjacencies, concepts for a learning stair in the main lobby, interior designs concepts for the main lobby conceived to engage children, and building exterior design features and assemblies at the new main entrance. The working group was also provided a report on the October 16, 2019 Design Review Committee meeting and presentation.

On October 24, 2019, a Lincoln Eliot-NECP School Building Committee (SBC) meeting was held to provide a report on the October 16, 2019 Design Review Committee meeting and review design development progress. The design development progress report included review of floor plans, circulation within and between spaces in the building, building access and control, operational adjacencies, concepts for a learning stair in the main lobby, interior designs concepts for the main lobby conceived to engage children, and building exterior design features and assemblies at the new main entrance. Additionally, the SBC was provided a project schedule and milestone progress report and total project budget report.





On October 28, 2019, representatives for Hill, Arrowstreet, Arrowstreet's design consultants and Newton Public Buildings met to review NECP project scope adjustments accepted during schematic design and confirm the extent and scope of building repairs required to meet the program, building code, new building spaces and new structural/mechanical/electrical systems.

Throughout the month, Arrowstreet and Hill worked with Public Buildings to refine the project work plan and forecast future funding needs for continued work on both the NECP at 687 Watertown St. project and the Lincoln Eliot project.

Hill Invoice #PBO-02339.00-00000012 and Arrowstreet Invoice 726046 were submitted and processed for payment.

Additional project updates, presentation materials, and documentation may be obtained at the project web page: http://lincolneliot-necp-projects.com/

Progress and Milestones Achieved

The following milestones was achieved during the month of October 2019:

Design Development Phase started.

Key Objectives

The key objectives and dates for the coming month are:

- Continue Design Development advancement for cost estimating process scheduled November 2019.
- Prepare documents and initiate Conservation Commission Storm Water and Riverfront Protection permit approval process.
- Meet with Newton Parks and Recreation to review Albemarle Park impacts and play structure adjustments needed for the NECP program at 687 Watertown St. property.
- City to execute OPM and Designer continued services amendments for design development phase of the NECP at 687 Watertown St. project.
- Initiate process for supplemental CIP funding for NECP phases Construction Documents, Bid, Construction and Closeout.

Financials

The LE-NECP budget includes multiple appropriations that total \$1,570,000. Contracts commitments include: Hill International for Owner Project Management services totaling of \$213,970, Other Feasibility Study Cost totaling \$2,000 for legal notices, etc., and Arrowstreet for Designer Services totaling \$1,217,560.80. Total commitments to date equal \$1,433,530.80. Based on the \$1,570,000 total appropriation and contract commitments and expenditures to date, the project is under budget.





The Total Project Budget established for NECP at 687 Watertown Street is \$13.0mil with funding for phases Construction Documents, Bid, Construction and Closeout pending City Council FY 2020 CIP appropriation approval.

Schedule

The next milestones for the project are:

- Process and execute design services amendment and OPM services amendment for NECP at 687 Watertown St. design development phase and conservation commission project permit process.
- Complete Design Development documentation and forward for independent cost estimate.
- Secure funding for NECP phases Construction Documents, Bid, Construction and Closeout.



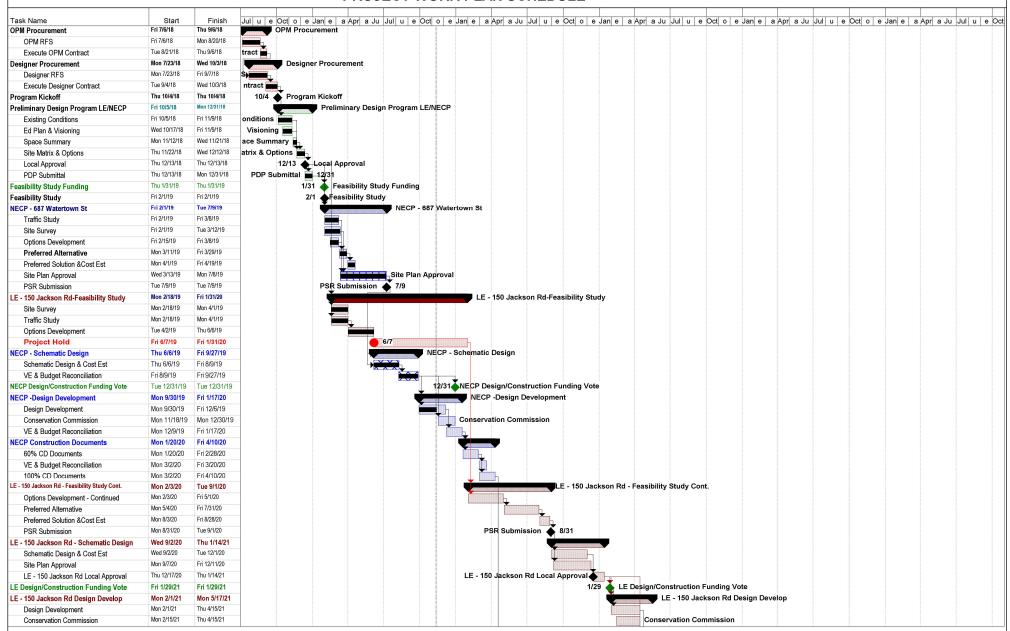


2. Schedule

City of Newton LE-NECP Schools Project



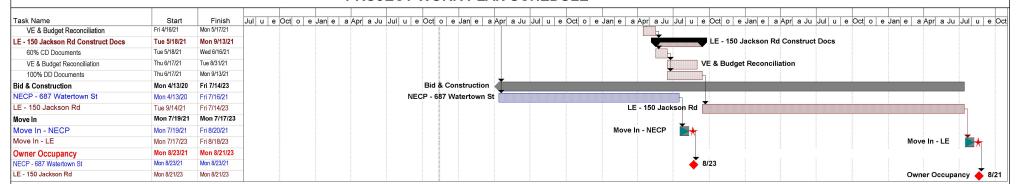
PROJECT WORK PLAN SCHEDULE



City of Newton LE-NECP Schools Project



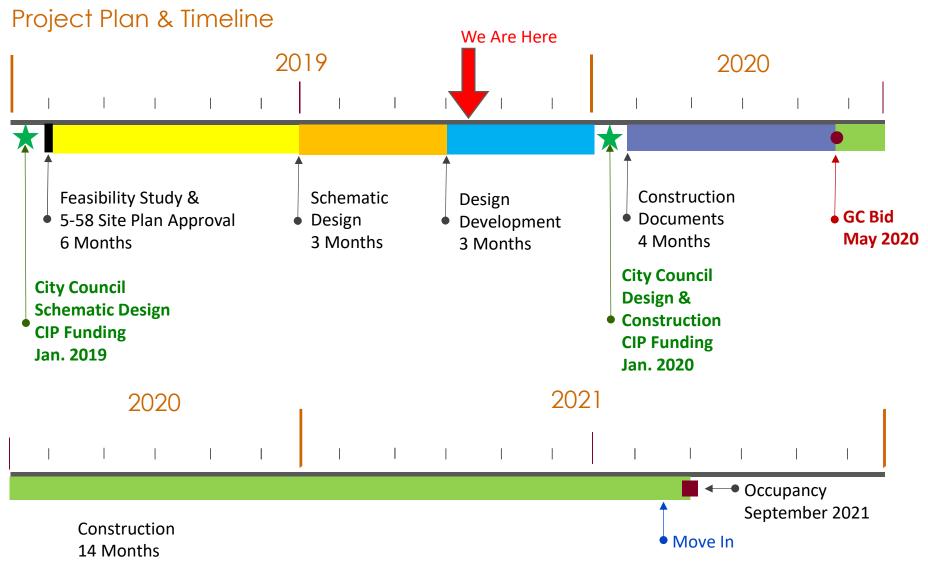
PROJECT WORK PLAN SCHEDULE



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CITY OF NEWTON | NECP PROJECT







3. Financials



Project Budget and Cost Summary

Description	Total	Deselles	BUDGET Authorized	Command	Committee	COST Uncommit	Takal	CASH	
Description	Total Budget	Baseline Budget	Changes	Current Budget	d Costs	ted Costs	Total Project	Expenditure s to Date	Spend
20 Construction									
PreConstruction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Escalation Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Estimating Contingency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Alternates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
30 Architectural & Engineering									
Designer - Ed. Program Services	\$64,200	\$64,200	\$0	\$64,200	\$64,200	\$0	\$64,200	\$64,200	Ş
Designer - Ex. Conditions	\$96,000	\$96,000	\$0	\$96,000	\$96,000	\$0 \$0	\$96,000	\$96,000	¢ca ri
A&E Feasibility Study 5-58 Site Plan Approval	\$264,900 \$121,320	\$264,900 \$121,320	\$0 \$0	\$264,900 \$121,320	\$264,900 \$121,320	\$0 \$0	\$264,900 \$121,320	\$202,350 \$56,440	\$62,55 \$64,88
Schematic Design	\$535,900	\$535,900	-\$286,641	\$249,259	\$249,259	\$0	\$249,259	\$243,160	\$6,09
Design Development	\$0	\$0	\$261,641	\$261,641	\$261,641	\$0	\$261,641	\$117,738	\$143,90
Construction Documents Bidding / Negotiations	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	Ç
Construction Administration/Closeout	\$0	\$0	\$0 \$0	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0) ,
Geotechnical Engineering	\$21,010	\$21,010	\$11,722	\$32,732	\$32,732	\$0	\$32,732	\$22,227	\$10,50
Geoenvironmental Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ç
Site Survey Site Approval	\$37,950 \$0	\$37,950 \$0	\$7,909 \$0	\$45,859 \$0	\$45,859 \$0	\$0 \$0	\$45,859 \$0	\$45,859 \$0	,
Hazardous Materials Sampling	\$8,960	\$8,960			\$3,960	\$5,000	\$8,960	\$3,960	\$5,00
LSP Services	\$57,500	\$57,500	-\$19,631	\$37,869	\$16,264	\$21,605	\$37,869	\$0	\$37,86
Traffic Studies	\$67,690	\$67,690	\$0	\$67,690	\$52,690	\$15,000	\$67,690	\$33,866	\$33,82
Other Services	\$28,500	\$25,000	\$25,000	\$50,000	\$25,000	\$25,000	\$50,000	\$2,250	\$47,75
Printing (Over the Minimum)	\$0	\$0		\$0	\$0	\$0	\$0	\$0	Ç
Testing & Inspections Reimbursable Expenses	\$0 \$0	\$0 \$0		\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$ \$
Subtotal	\$1,303,930	\$1,300,430			\$1,233,825	\$66,605	\$1,300,430	\$888,051	\$412,38
40 Administrative Costs									
OPM -Ed. Program Services	\$43,140	\$43,140	\$0	\$43,140	\$43,140	\$0	\$43,140	\$43,140	\$
OPM Feasibility Study/Schematic Design	\$155,830	\$155,830	-\$30,000	\$125,830	\$125,830	\$0	\$125,830	\$33,088	\$92,74
OPM Design Development	\$0	\$0	\$30,000	\$30,000	\$30,000	\$0	\$30,000	\$2,030	\$27,97
OPM Construction Documents	\$0	\$0 \$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0	\$
OPM Bidding OPM Construction Adm/Closeout	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$
OPM: Construction Admy closedut OPM: Cost Estimates	\$15,000	\$15,000	\$0 \$0	\$15,000	\$0	\$15,000	\$15,000	\$0	\$15,00
OPM Reimbursables & Site Approval Services	\$13,000	\$13,000		\$13,000	\$0	\$13,000	\$13,000	\$0	\$13,00
Commissioning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$
Other Admin Costs	\$2,000	\$2,000	\$0	\$2,000	\$757	\$1,243	\$2,000	\$757	\$1,24
Utility Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	ç
Legal	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	4
Construction Testing & Inspections Subtotal	\$215,970	\$215,970		\$215,970	\$199,727	\$16,243	\$0 \$215,970	\$79,014	\$136,95
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50 Furniture, Fixtures and Equipment Furniture, Fixtures and Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Ş
Technology	\$0	\$0			\$0	\$0 \$0	\$0 \$0	\$0	
Subtotal	\$0	\$0			\$0	\$0 \$0	\$0 \$0	\$0	
Project Sub-Total	\$1,519,900	\$1,516,400	\$0		\$1,433,552	\$82,848	\$1,516,400	\$967,065	\$549,33
·	71,313,300	71,310,400	30	71,310,400	71,433,332	702,040		\$307,003	,J-J,JJ
70 Project Contingency							Remaining		
Construct Contingency (Hard Cost) (5%)	\$0	\$0		\$0		\$0	\$0		450.50
Owner's Contingency (Soft Cost) (5%)	\$50,100	\$53,600				\$53,600	\$53,600		\$53,60
Subtotal	\$50,100	\$53,600	\$0	\$53,600		\$53,600	\$53,600		\$53,60
Project Total	\$1,570,000	\$1,570,000	\$0	\$1,570,000	\$1,433,552	\$136,448	\$1,570,000	\$967,065	\$602,93
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4. Supplemental Documentation

- a. Design Review Committee Meeting Minutes
 draft for October 16, 2019
- b. Arrowstreet Updated NECP Work Plan





Newton Lincoln Eliot School - NECP Project

Design Review Committee (DRC) – NECP at 687 Watertown Street
October 16, 2019, 6:00pm, Newton Public Library, 1st floor Conference Room

Attendees: Carol Schein*, Amy MacKrell*, Jonathan Kantar*, Marc Resnick*, Peter

Barrer*, Ellen Light*, Stephanie Gilman*, Andrea Kelley, Steven Siegel, Anne Cedrone, David Gilespie, Maria Leo, Robert Hnasko, and John

Mulligan

* - Denotes Voting Member

Professional Team: Meryl Nistler, Jessica Bessette - Arrowstreet (AST)

Mary Mahoney - Hill International, Inc.

(Hill)

Guests: Alejandro Valcarce, City of Newton, Public Buildings

Action Items are denoted in bold/italic font.

Meeting opened at 6:10pm.

Items Discussed:

- 1. Introduction of attendees.
- 2. AST reported that NECP at 687 Watertown St Schematic Design Phase is complete. Work on the project since the last Design Review Committee (DRC) meeting focused on reconciling the schematic design cost estimate to the project construction budget. The reconciliation process included traditional value engineering exercises then, working with NECP's Director, adjustment to building floor plans to create better efficiencies in space layout and reduce the area and extent of building renovations. The adjusted floor plans meet the NECP program.
- 3. AST reviewed space arrangement concepts applied to the lower level floor plan that create three zones within the project work area/grouping including: Public/Parent Area, Staff/Admin. Area, and Student/Teacher areas.
- 4. Lower Level adjusted floor plan was reviewed:
 - a. The revised layout reduces corridor space while maintaining adjacencies and needed access points.
 - b. Existing storage spaces to the northwest and southeast will be existing to remain no work to be performed.
 - c. Left (north) of the new stair are (2) large meeting rooms.
 - d. Right (south) of the new stair is the Main Office with service counter and interior admin area that connects to the Director and Asst. Director Offices. A smaller meeting room is located behind the Director and Asst. Director Offices. Main office space is open concept with furniture used to delineate admin stations.





- e. Through the Main Lobby to the west side of the building is the staff student area with spaces for OT, PT, and the Multipurpose Room.
- f. South of the Main Office is the Therapist Area. The area has limited access to natural light so the space is designed in an open concept with furniture used to delineate work area/stations.
- 5. Mid-Level adjusted floor plan was reviewed:
 - a. The existing Main Office suite will retain much of the existing layout and include office space for the Team Specialist, Psychologist, and Social Worker with a shared vestibule also serving the adjacent Medical area.
 - b. Two infill classrooms are separated to the north and south of the vaulted space from the lower level.
 - c. The toilet rooms at the north end of the corridor (Park access) area provide facilities access for adjoining classrooms and from the corridor for students at the outdoor play area.
- 6. Upper-Level adjusted floor plan was reviewed:
 - a. Special Small Group spaces are created within an existing classroom with the three learning spaces to be delineated with furnishing. The proposed layout provides flexibility for classroom future use and saves costs by not building out walls and installing doors/hardware etc.
- 7. AST presented preliminary design concept renderings of the lower level Lobby and Stair.
- 8. AST presented a space summary report that compared the program following Ed Visioning Nov. 2018 to the program provided with the adjusted plans. The current program meets the original program.
- 9. Hill reviewed the NECP design and construction schedule that was adjusted to a Summer 2021 opening due to CIP funding schedule.

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a.	. What accommodations are there for baby stroller parking? –					
b.	Concern was raised regar for small group spaces ind	•	•		ssroom	
	Did any of the accepted v efficiency of the proposed			act the en	ergy	
	Will the building be fully a	ir conditioned? -	_			
	Has the site plan changed	d? –				
	Where will the chiller be lo	ocated? - 🛚				





What are the ceiling heights in the newly created spaces? –

Next meeting was scheduled December 11, 2019, 6pm, Media Center at the Cabot School. DRC requested meeting presentation materials two days before the meeting.

DRC requested a copy of the NECP Design Development documents once complete.

Next meeting of the Working Group December 11, 2019, 6pm, Media Center, Cabot Elementary School.

To the best of my knowledge, these notes are a fair representation of the items discussed at the meeting. Additional items or corrections should be brought to the attention of the writer. Submitted by: Mary Mahoney 10/17/19

687 WATERTOWN STREET/ NECP

NEWTON MA Job Number: 19001

Updated: 10/8/19 Holiday Closed Week 1 Week 2 Week 3 Week 4 Week 5 Week 6 Week 7 Week 7 10/14 10/15 10/16 10/17 10/18 10/21 10/22 10/30 11/6 11/13 11/20 11/25 11/26 11/27 12/3 12/5 10/23 12/4 SBC * Receive estimate WG WG WG **DESIGN DEVELOPMENT (5 WEEKS)** PRICING and CON COMM (3 WEEKS) KICK OFF/ ORGANIZE DESIGN DEVELOPMENT DESIGN DEVELOPMENT DESIGN DEVELOPMENT DESIGN DEVELOPMENT DD PRICING PRICING PRICING PM&C: DD estimate
ARROWSTREET TASKS PM&C: DD estimate
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ARROWSTREET TASKS ARROWSTREET TASKS ARROWSTREET TASKS ARROWSTREET TASKS ARROWSTREET TASKS ARROWSTREET TASKS Cartoon DD drawing set Provide updated BIM for consultants develop interior finishes/ color schemes Develop building sections Tag all Walls Dimensions and annotation Develop exterior design adjustments Develop enlarged stair/ elevator plans Develop building elevations- as needed Develop site plan layout Building Program adjustments Site Program Confirmation Develop exterior design Develop lobby design develop front entry desk develop reflected ceiling plans Develop demolition scope plans Populate all classrooms with furniture Window/ curtainwall schedule Finish plans and schedule Implement VE revisions Engage graphics Finalize classroom layouts Develop demolition Plans and elevations Develop code plans Tag all doors and windows 3D views of entry set up standard partition/ legend sheets Issue DD document locate shaft locations Develop Exterior details Provide exterior envelope U values to HVAC Door schedule Develop toilet plans EDG- STRUCTURAL ENGINEER Confirm structural approach to upgrades coordinate column locations coordinate roof dunnage Model footings sizes/ locations provide foundation/ steel framing details provide revit model Coordinate
Provide DD specs and drawings to AST confirm structural appraoch to infill Provide updated revit model implement VE revisions Located all shear walls develop elevator needs/ requirements begin structural details GGD - M/E GGD - M/E GGD - M/E GGD - M/E provide revit model coordinate reflected ceiling plans Provide DD specs and drawings to AST Coordinate IT room needs Identify transformer needs Identify Shaft sizes/locations Verify systems approach Implement VE revisions review updates/ changes needed in MEP room Review duct sizing and head heights Prepare Electrical load letter provide revit model coordinate electrified hardware requirements Condinate condeser locations review shaft locations Generate light fixture cut sheets cooridnate all new service elevations/ inverts Provide roof top unit weights ΔKΔI - P/FP ΔKΔI - P/FP AKAI - P/FP ΔΚΔΙ - P/FP ΔΚΔΙ - P/FP AKAL - P/FP AKAL - P/FP AKAL - P/FP Prepare water/sewer/ gas load letter Coordinate FP upgrades Implement VE revisions Confirm Plumbing fixture counts cooridnate all new service elevations/ inverts Provide DD specs and drawings to AST coordinate fixture/ floor drains provide revit model Cooridnate rainwater leader locations provide revit model Provide plumbing fixture cut sheets NITSCH - CIVIL Develop grading plans Implement VE revisions coordinate grading with landscape Coordinate with Landsape plan Develop utilities plan cooridnate underslab drainage and store mana Provide DD specs and drawings to AST Coordinate with Landscape coordinate spot grades at all exterior doors Conservation Commission Submission 11/19 Conservation Commision Hearing 12/5 review con com needs BFA - CODE BFA - CODE review updated floor plans BFA - CODE BFA - CODE BFA - CODE Update code report BFA - CODE BFA - CODE BFA - CODE Advise on building code implications comment on code plans Review current plans & comment TERRAINK - LANDSCAPE Review revised site plan from AST develop plan/ plaza, playground, ramp, walks Coord Site plan with nitsch Develop plans and details Provide DD specs and drawings to AST Reivew playground scope Develop plans and details implement VE revisions Develop retaining walls KALIN- SPECIFICATIONS KALIN- SPECIFICATIONS KALIN- SPECIFICATIONS KALIN- SPECIFICATIONS KALIN- SPECIFICATIONS KALIN-SPECIFICATIONS KALIN- SPECIFICATIONS KALIN- SPECIFICATIONS Review Spec requirements review DD spec draft distribute templates for DD spec development Provide spec draft to AST MEETING AGENDA MEETING AGENDA IEETING AGENDA IEETING AGENDA MEETING AGENDA IEETING AGENDA IEETING AGENDA MEETING AGENDA Landscape Plan review Review finishes/ colors Review project schedule Set up kick off meeting with City/ Consults/Hill/AST Set up meeting with Fire and Police dept IT review with GGD Meeting with Fire/ Police to review OPM ACTIVITIES OPM ACTIVITIES PM ACTIVITIES OPM ACTIVITIES PM ACTIVITIES OPM ACTIVITIES OPM ACTIVITIES PM ACTIVITIES HILL INT'L Advise on IT/AV/Security Requirements Confirm FFE approach Distribute updated project schedule Confirm tel/com provide Confirm E-rate goals OWNER ACTIVITIES OWNER ACTIVITIES WNER ACTIVITIES WNER ACTIVITIES WNER ACTIVITIES WNER ACTIVITIES WNER ACTIVITIES WNER ACTIVITIES NPS/CITY OF NEWTON Advise on meeting dates and vacations Exploratory Demo at 687 Watertown Stree Provide feedback on landscape plan Advise on existing furniture to be moved to 687 Wate Begin sub slab mitigation system Begin Site mitigation/ remediation work CM ACTIVITIES **CM ACTIVITIES** M ACTIVITIES M ACTIVITIES M ACTIVITIES M ACTIVITIES CM ACTIVITIES CM ACTIVITIES