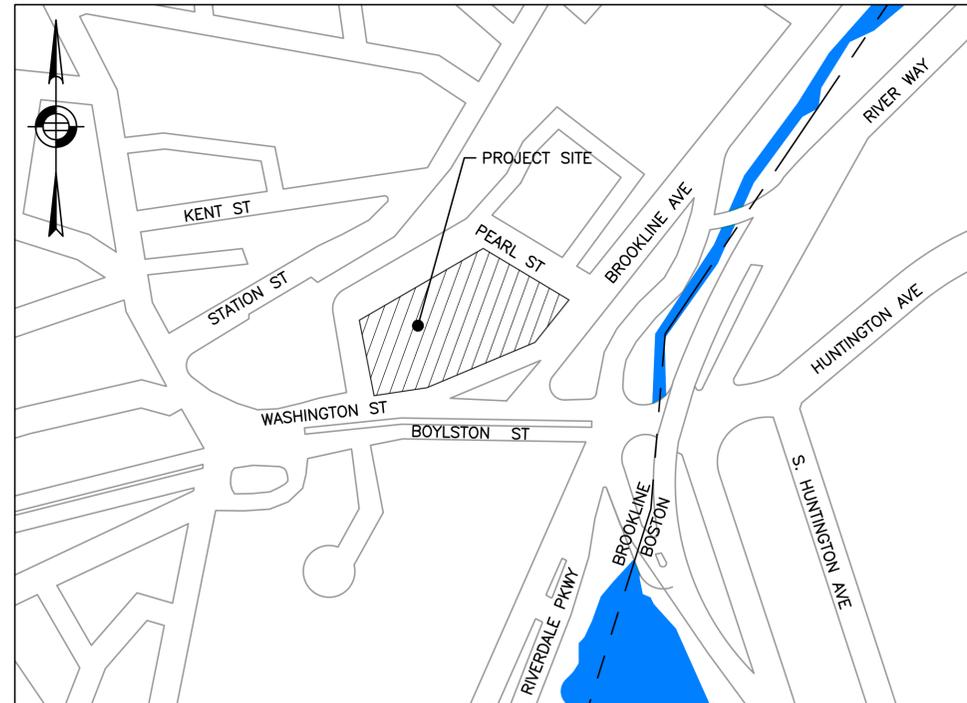


CONSTRUCTION MANAGEMENT PLAN FOR BROOKLINE PLACE REDEVELOPMENT BROOKLINE, MA



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LOCUS PLAN
SCALE: 1"=250' (N.T.S.)

ALL WORK SHALL CONFORM TO THESE PLANS, THE BROOKLINE TRANSPORTATION DIVISION STANDARDS AND SPECIFICATIONS, THE 1988 MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (ENGLISH EDITION); THE SUPPLEMENTAL SPECIFICATIONS (ENGLISH EDITION), DATED FEBRUARY 25, 2010; THE 2010 CONSTRUCTION STANDARDS; THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD) WITH LATEST REVISIONS; THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS; THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING; AND THE AMERICAN STANDARD FOR NURSERY STOCK CURRENT EDITION (ANSI Z-60.1-2004). WHERE CONFLICTS EXIST, THE BROOKLINE TRANSPORTATION DIVISION STANDARDS AND SPECIFICATIONS SHALL GOVERN.


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 APPROVED BY R.BURGESS

CONSTRUCTION MANAGEMENT PLAN
FOR

BROOKLINE PLACE REDEVELOPMENT
COVER SHEET

DATE: SEPT 2, 2015
 DRAWING NO. CMP-001
 SHEET 1 OF 19



GENERAL NOTES

1. THESE PLANS ARE NOT INTENDED TO LIMIT THE CONTRACTORS RIGHT TO SCHEDULE THE WORK BUT TO OUTLINE ONE WAY OF PROGRESSING. THE CONTRACTOR IS EXPECTED TO USE KNOWLEDGE AND EXPERIENCE TO PERFORM THE WORK IN THE MOST SAFE AND EFFICIENT MANNER IN COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS AND MEETING THE REQUIREMENTS OF THE TOWN OF BROOKLINE.
2. CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE TOWN, CONSTRUCTION MANAGEMENT PLANS FOR ANY WORK OUTSIDE OF THE WORK ZONES INDICATED IN THESE DRAWINGS.
3. ALTERNATIVE PHASING OR MODIFICATIONS TO ANY ASPECT OF THE CONSTRUCTION MANAGEMENT PLANS AND THE CONSTRUCTION STAGING PLANS WILL BE SUBJECT TO REVIEW FOR ACCEPTANCE BY THE TOWN PRIOR TO COMMENCEMENT OF WORK.
4. THE CONSTRUCTION MANAGEMENT PLANS REQUIRE THAT SPECIFIC SIDEWALK WIDTHS BE MAINTAINED DURING THE VARIOUS STAGES OF CONSTRUCTION TO FACILITATE ACCEPTABLE PEDESTRIAN LEVEL OF SERVICE (LOS) MOVEMENTS ALONG TRAVEL WAYS TO AND FROM ABUTTING BUILDING AND BUSINESSES WITHIN THE PROJECT LIMITS. THE MINIMUM SIDEWALK WIDTHS SHOWN ON THE TRAFFIC MANAGEMENT PLANS ARE BASED ON ENGINEERING ANALYSIS AND ARE LOCATED ON THE PLANS AROUND TEMPORARY FIXED BARRICADED WORK ZONES AT SITE SPECIFIC POINTS OF CONSTRUCTION. WHEN SPECIFIC DIMENSIONS ARE NOT SHOWN, THE CONTRACTOR SHALL MAINTAIN A MINIMUM 4-FOOT PASSAGE.
 - A. CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY PEDESTRIAN ROUTE ACCESSIBLE TO DISABLED PERSONS AROUND BLOCKAGES TO AN EXISTING PEDESTRIAN ROUTE (E.G., SIDEWALKS, CROSSWALKS, PEDESTRIAN CURB RAMPS, ETC.). BLOCKAGES INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION WORK, EXCAVATIONS, EQUIPMENT AND VEHICLES, TEMPORARY WATER AND UTILITY LINES.
 - B. SIDEWALK AREAS SHALL REMAIN OPEN AND FREE FROM SAFETY CONTROL DEVICES AND CONSTRUCTION DEBRIS THROUGHOUT THE DURATION OF THE CONSTRUCTION. PEDESTRIAN DETOURING SHALL NOT OCCUR UNLESS APPROVED BY THE TOWN.
5. CONTRACTOR SHALL SECURE WORK AREAS TO ENSURE PUBLIC SAFETY AND CONVENIENCE. THIS SHALL INCLUDE ENSURING THAT ALL EXCAVATIONS ARE PROTECTED AT ALL TIMES.
6. ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES AND OTHER DEVICES SHALL CONFORM WITH THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED AND BROOKLINE TRANSPORTATION DEPARTMENT SIGN STANDARDS.
7. CHANNELIZATION WILL BE ACCOMPLISHED THROUGH THE USE OF RELECTORIZED PLASTIC DRUMS OR APPROVED EQUAL IN ACCORDANCE WITH THE MUTCD.
8. CONTRACTOR SHALL COORDINATE WITH THE TOWN TO ACCOMMODATE ACCESS NEEDS OF ABUTTING PROPERTIES NOT SPECIFIED IN THE PLANS.
9. CONTRACTOR SHALL MAINTAIN EMERGENCY PASSAGE AT ALL TIMES TO BUILDINGS WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL MAINTAIN 24-HOUR EMERGENCY VEHICLE ACCESS TO AND THROUGH CONSTRUCTION AREAS.
10. CONTRACTOR SHALL PROVIDE POLICE DETAILS AS NECESSARY DURING WORK HOURS FOR TRAFFIC CONTROL.
11. SAFETY SIGNS PROPOSED FOR LOCATIONS OTHER THAN ERECTED ON TEMPORARY BARRICADES MAY BE ERECTED ON EXISTING LIGHTPOLES, SIGN POSTS, AND OTHER EXISTING FEATURES AS APPROVED BY THE TOWN.
12. LOCATIONS OF SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. THE CONTRACTOR SHALL ENSURE THAT SIGNS ARE PLACED SO MAXIMUM VISIBILITY IS OBTAINED.
13. EXISTING SIGNAGE WHICH CONFLICTS WITH PROPOSED SIGNING SHALL BE REMOVED AND STACKED OR COVERED AS DETERMINED BY THE TOWN. IF NECESSARY, AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE SIGNAGE TO ORIGINAL.
14. THE BROOKLINE POLICE, FIRE, AND TRANSPORTATION DEPARTMENTS SHALL BE ADVISED OF THE SCHEDULE OF CONSTRUCTION AS WELL AS OF ANY DETOURS OR ALTERNATE ROUTES.
15. CONTRACTOR SHALL NOT REMOVE PARKING METER HEADS AND SHALL COORDINATE WITH TOWN OF BROOKLINE FOR THEIR REMOVAL AS NECESSARY.
16. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE TOWN FOR RESOLUTION OF THE CONFLICT.
17. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF ELECTRIC, TELEPHONE, AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES AT NO ADDITIONAL COST TO THE TOWN. IF THE CONTRACTOR ADJUSTS UTILITY COVERS IT SHALL BE DEEMED PART OF THE WORK AND THERE WILL BE NO ADDITIONAL COMPENSATION.
18. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN, (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS) PRIOR TO EXCAVATING, BLASTING, INSTALLING, BACKFILLING GRADING, PAVEMENT RESTORATION, OR REPAVING.
19. THE ACCURACY AND COMPLETENESS OF UNDERGROUND UTILITIES ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE, TYPE, ETC. OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE WORK. AT LEAST 72 HOURS BEFORE DIGGING BEGINS, THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT (888)344-7233. ALL TOWN OWNED UTILITY STRUCTURES WITHIN AREAS AFFECTED BY THE WORK SHALL BE ADJUSTED TO NEW LINE AND GRADE AS DIRECTED BY THE ENGINEER. ANY UTILITY POLES AND/OR GUY POLES WITHIN AREAS AFFECTED BY THE WORK SHALL BE REMOVED AND RESET BY THE RESPECTIVE UTILITY COMPANY. ALTERATIONS TO UTILITIES NOT OWNED BY THE TOWN SHALL BE MADE BY THE RESPECTIVE UTILITY OWNERS.
20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR CONSTRUCTION MANAGEMENT EFFORTS OUTSIDE OF THE SITE PLANS AND TO COMPLY WITH CONDITIONS OUTLINED WITHIN THE PLANS AND SPECIFICATIONS USING APPROVED METHODS.
21. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS, INCLUDING STAGING AREAS, SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
22. THE CONTRACTOR IS HEREBY NOTIFIED THAT ADDITIONAL WORK WITHIN THE PROJECT LIMITS MAY BE PERFORMED BY OTHERS.
23. THE CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
24. THE CONTRACTOR SHALL VERIFY PROPERTY LIMITS PRIOR TO CONSTRUCTION AND PLACE ANY TEMPORARY OR NEW EQUIPMENT WITHIN THE PROJECT LIMITS OR THE TOWN OF BROOKLINE'S RIGHT OF WAY.
25. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT FOR REVIEW A DETAILED SCHEDULE OF OPERATIONS IN ADDITION TO OTHER CONTRACT REQUIREMENTS TO THE BROOKLINE TRANSPORTATION DIVISION AND DEPARTMENT OF PUBLIC WORKS.
26. ANY WORK ASSOCIATED WITH THIS CONSTRUCTION MANAGEMENT PLAN SHALL BE PERFORMED IN ACCORDANCE WITH THE BROOKLINE DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND DRAWINGS; THE PLANS AND THE SPECIAL PROVISIONS. WHERE CONFLICTS EXIST, THE AND BDPW SPECIFICATIONS SHALL GOVERN.
27. NO EXISTING PUBLIC UTILITY STRUCTURES SHALL BE ABANDONED AND/OR DISMANTLED WITHOUT AUTHORIZATION FROM THE TOWN.
28. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE MATERIAL IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS AT HIS OWN EXPENSE.

29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE STREET LIGHTING ADJACENT TO THE PROJECT, FOR THE DURATION OF THE PROJECT, AS APPROVED BY THE TOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND STOCKPILING ANY STREET LIGHTING WITHIN THE WORKZONE AS DIRECTED BY THE TOWN. CONTRACTOR SHALL ENSURE THAT STREET LIGHTING SERVICE WILL NOT BE INTERRUPTED AND THAT STREET LIGHTING WILL BE OPERATIONAL AT THE END OF EACH WORKDAY.
30. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, OR APPROVED EQUAL, AND MEET BDPW SPECIFICATIONS. IF NECESSARY, AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE PAVEMENT MARKINGS TO ORIGINAL.
31. THE CONTRACTOR SHALL ERADICATE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TRAFFIC SIGNAL EQUIPMENT, LOOP DETECTORS, PAVEMENT MARKINGS, AND SIGNAGE DAMAGED OR TEMPORARILY REMOVED DURING CONSTRUCTION.
33. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ANY WEIGHT RESTRICTIONS ON AREA BRIDGES AND TO INSURE THAT TRAFFIC DOES NOT EXCEED WEIGHT RESTRICTIONS IF BRIDGES ARE USED.
34. AT CROSSWALK LOCATIONS AND OTHER LOCATIONS WHERE PEDESTRIAN AND/OR VEHICLE SIGHT LINES MAY BE IMPACTED BY CONSTRUCTION FENCING, THE CONTRACTOR SHALL NOT INSTALL ANY SCREEN THAT MAY DIMINISH SIGHT LINES.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LIFE SAFETY SYSTEMS ON THE PROJECT SITE IN COORDINATION WITH AND APPROVAL OF THE TOWN OF BROOKLINE FIRE DEPARTMENT AND ANY ADDITIONAL RELEVANT INSPECTION SERVICES.
36. THIS PLAN DEPICTS IN SCHEMATIC FORM, THE ELEMENTS OF AN APPROACH TO THE LAYOUT AND PLANNING OF THE WORK DURING THE PROGRESS OF THE CONSTRUCTION OPERATIONS. THIS PLAN CONTAINS NO EXPRESS OR IMPLIED REPRESENTATIONS AS TO THE CONSTRUCTABILITY OF ANY ASPECT OF THE WORK. THE CONSTRUCTION CONTRACTOR REMAINS EXCLUSIVELY RESPONSIBLE FOR THE PLANNING, MEANS, METHODS, SEQUENCES, PROCEDURES AND EXECUTION OF THE WORK, AND FOR THE PROPER AND TIMELY IMPLEMENTATION OF ALL INCIDENTAL AND/OR REQUIRED SAFETY PRECAUTIONS AND PROGRAMS. NOTHING IN THIS PLAN SHALL RELIEVE, OR OTHERWISE DIMINISH THE RESPONSIBILITY OF THE CONTRACTOR FOR THIS EXCLUSIVE RESPONSIBILITY. THE PREPARER OF THIS PLAN HAS NO ROLE IN THE OVERSIGHT OR OTHERWISE IN THE IMPLEMENTATION OF THIS PLAN.

TMP LEGEND

-  SIGN
-  CONSTRUCTION GATE
-  ROLLING GATE
-  PERMANENT CHAIN LINK FENCE
-  SILT FENCE
-  MOVEABLE CHAIN LINK FENCE
-  CONSTRUCTION DRUM
-  TRAFFIC FLOW
-  PEDESTRIAN FLOW
-  POLICE DETAIL
-  SIGNALIZED INTERSECTION
-  MBTA STATION
-  PORTABLE PRECAST CONCRETE BARRIER
-  CHAIN LINK FENCE ON CONCRETE BARRIER
-  PORTABLE PRECAST CONCRETE BARRIER WITH HANDRAIL
-  TAPERED END BARRIER
-  IMPACT ATTENUATOR
-  WATER-FILLED TEMPORARY BARRIER
-  TEMPORARY WHEELCHAIR RAMP (SIDE APRONS)
-  TEMPORARY PARALLEL WHEELCHAIR RAMP
-  TEMPORARY PERPENDICULAR WHEELCHAIR RAMP
-  BUILDING ACCESS POINTS
-  PORTABLE SANITARY
-  DUMPSTER


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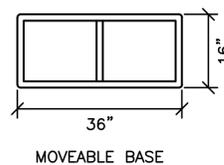
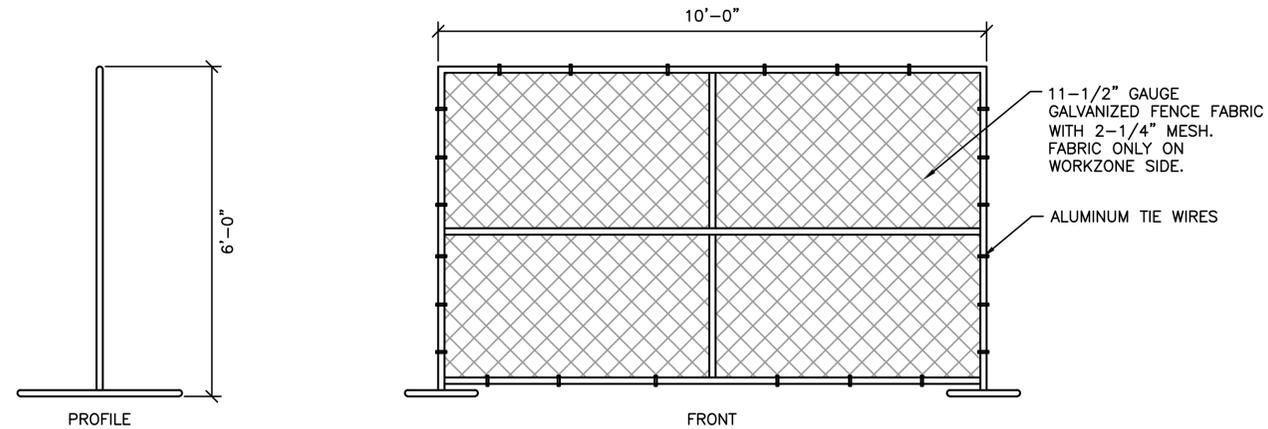
DESIGNED BY S.LEVIN
 DRAWN BY S.LEVIN
 CHECKED BY B.ZIMOLKA
 APPROVED BY R.BURGESS

CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 GENERAL NOTES, LEGEND, AND SCHEDULE

DATE: SEPT 2, 2015
 DRAWING NO. CMP-002
 SHEET 2 OF 19

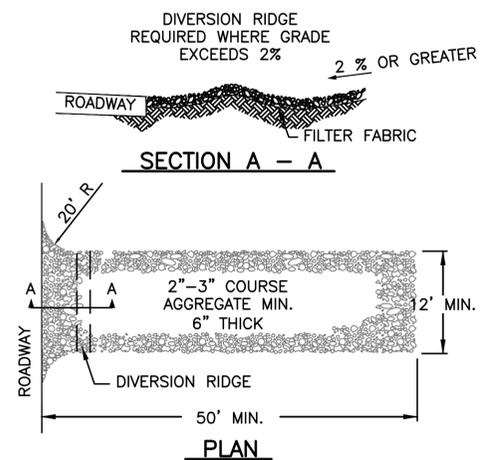


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NOTE:
A PERMANENT CHAIN LINK FENCE SHALL HAVE THE SAME SPECIFICATIONS AS SHOWN FOR A MOVEABLE CHAIN LINK FENCE, HOWEVER THE POSTS SHALL BE CORED INTO THE PAVEMENT.

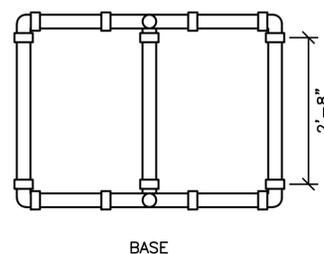
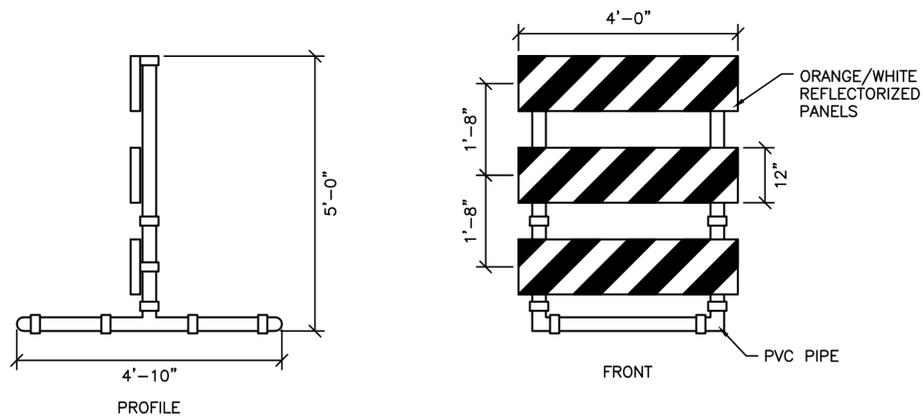
MOVEABLE CHAIN LINK FENCE



NOTES:

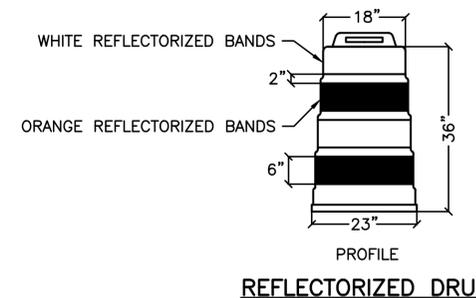
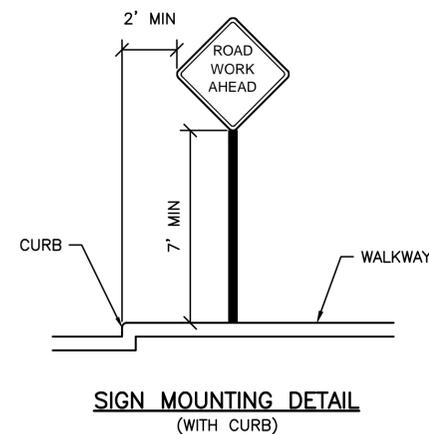
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.

TEMPORARY CONSTRUCTION WHEEL WASH
NOT TO SCALE



TYPE III BARRICADE

TYPE III BARRICADES SHALL MEET MUTCD REQUIREMENTS (CURRENT EDITION)



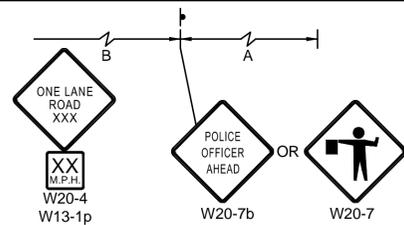
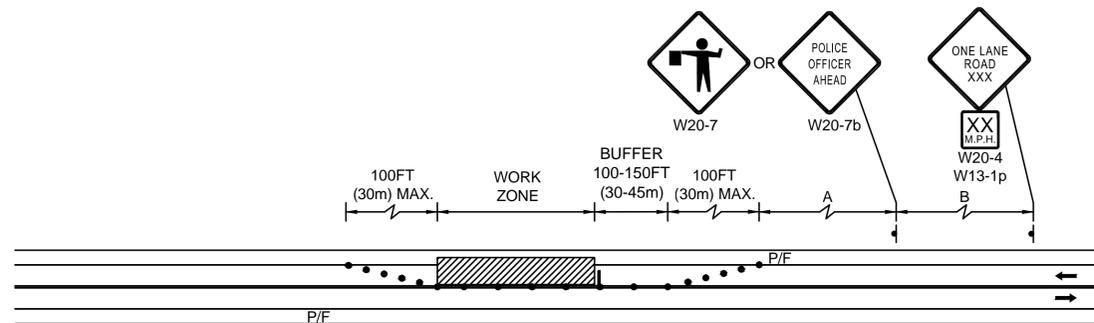
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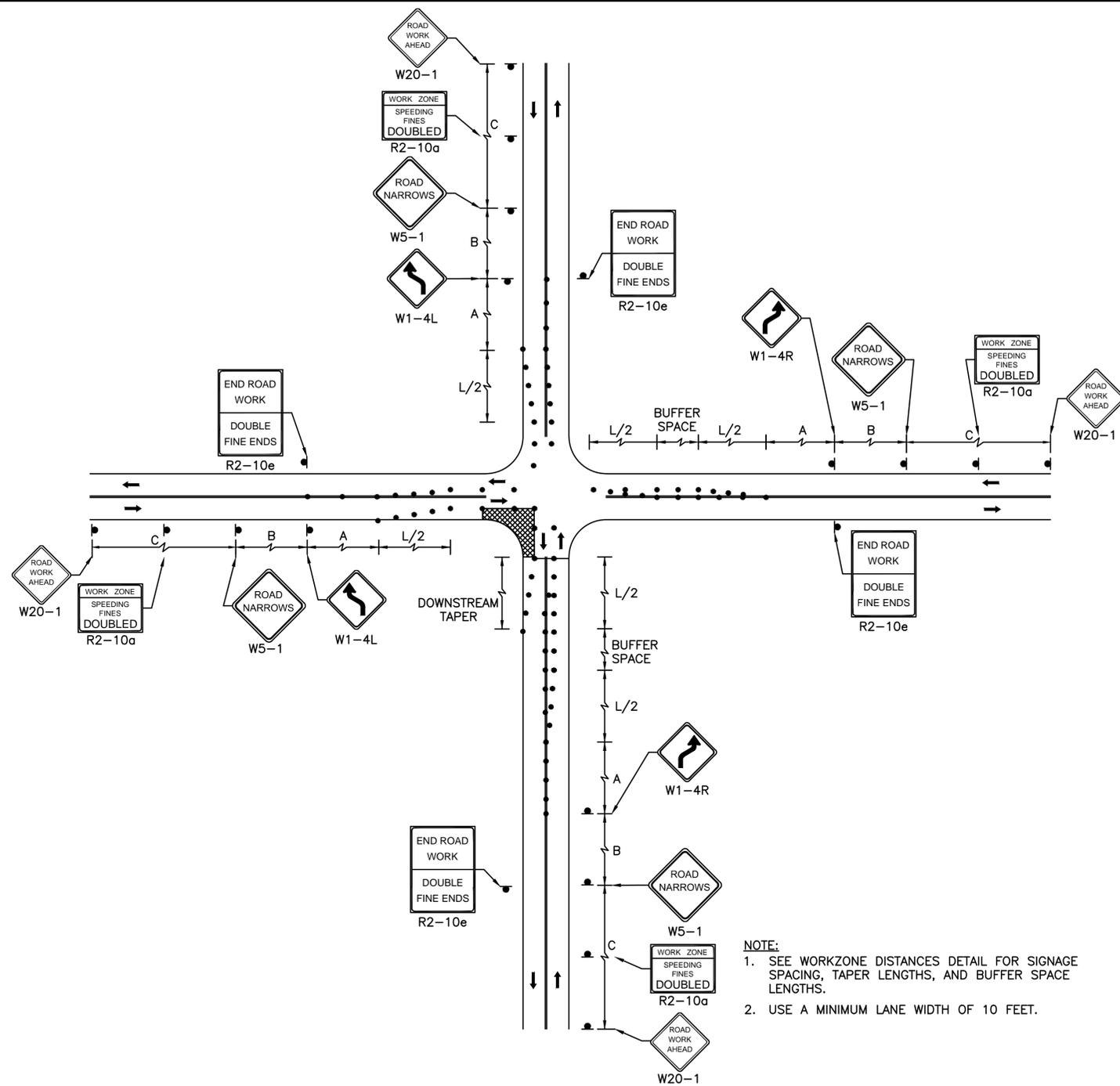
CONSTRUCTION MANAGEMENT PLAN
FOR

BROOKLINE PLACE REDEVELOPMENT
TEMPORARY TRAFFIC CONTROL DEVICES

DATE: SEPT 2, 2015
DRAWING NO. CMP-003
SHEET 3 OF 19



TWO LANE ROAD ONE LANE ALTERNATING TRAFFIC
NOT TO SCALE



TWO LANE APPROACH ONE QUADRANT CLOSURE (INTERSECTION-2)
NOT TO SCALE

- NOTE:**
- SEE WORKZONE DISTANCES DETAIL FOR SIGNAGE SPACING, TAPER LENGTHS, AND BUFFER SPACE LENGTHS.
 - USE A MINIMUM LANE WIDTH OF 10 FEET.

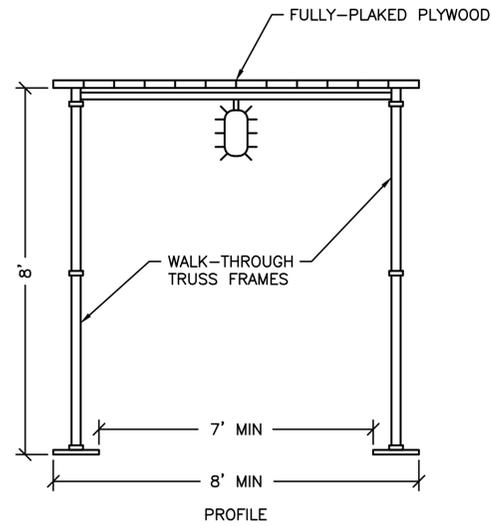
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CONSTRUCTION MANAGEMENT PLAN
FOR
BROOKLINE PLACE REDEVELOPMENT
TEMPORARY TRAFFIC CONTROL DEVICES II

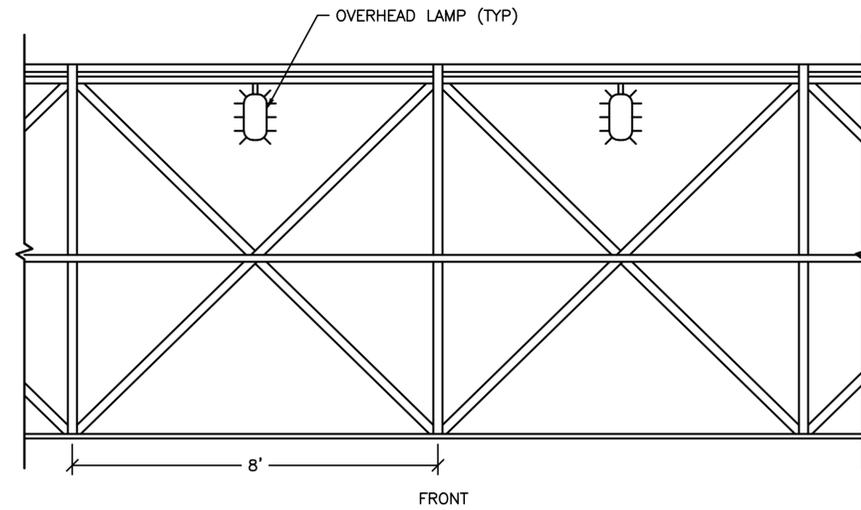


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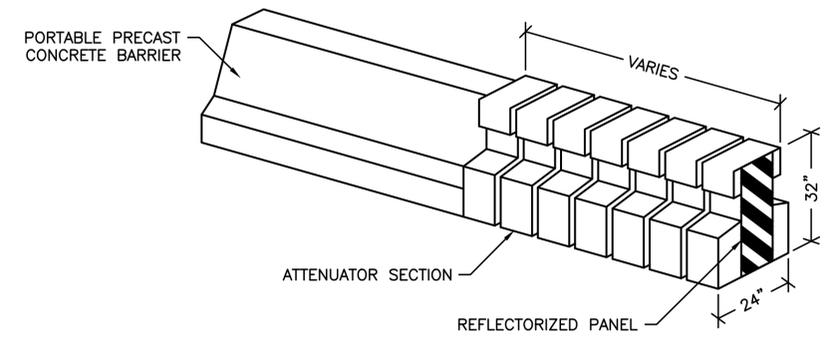
DATE: SEPT 2, 2015
DRAWING NO. CMP-004
SHEET 4 OF 19



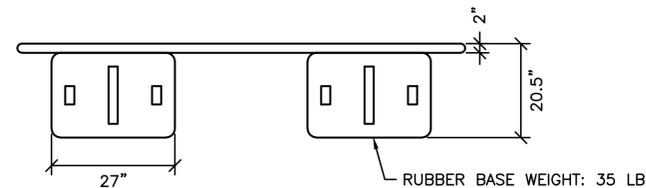
* FOR DEMONSTRATION ONLY. OVERHEAD PROTECTION TO BE DESIGNED BY FABRICATOR.



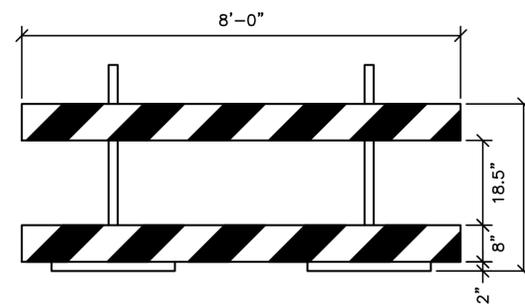
PEDESTRIAN OVERHEAD PROTECTION



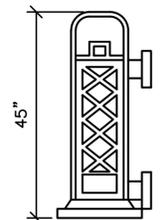
WATER-FILLED IMPACT ATTENUATOR
(NCHRP 350 TL-3 CERTIFIED)



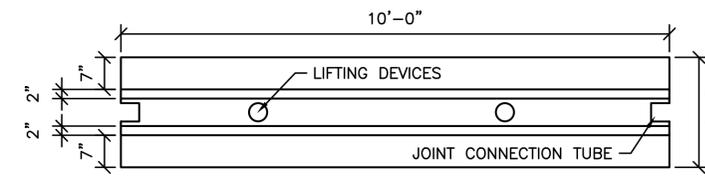
PLAN



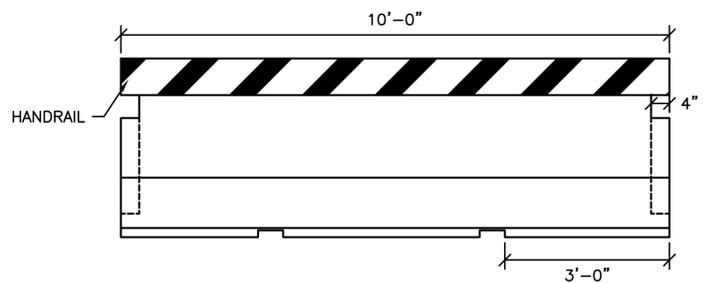
PEDESTRIAN MANAGEMENT GUIDANCE SYSTEM



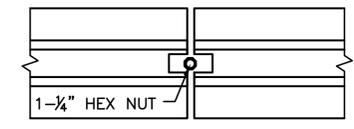
SECTION-UPRIGHTS



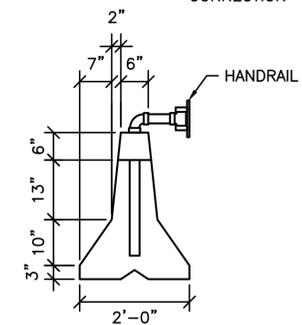
PLAN



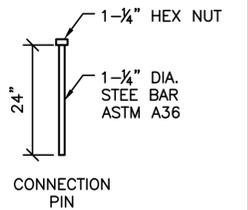
ELEVATION



CONNECTION

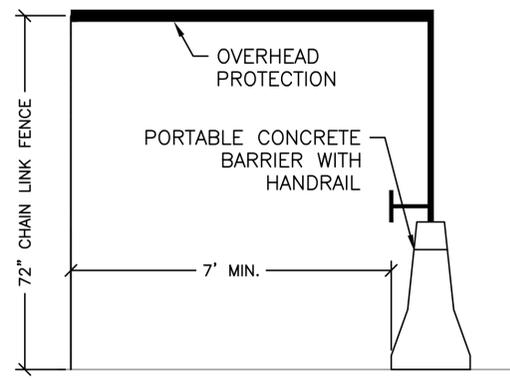


END VIEW



CONNECTION PIN

PORTABLE PRECAST CONCRETE BARRIER WITH PEDESTRIAN RAIL



TYPICAL PEDESTRIAN TEMPORARY PATH

* FOR DEMONSTRATION ONLY. OVERHEAD PROTECTION TO BE DESIGNED BY FABRICATOR.

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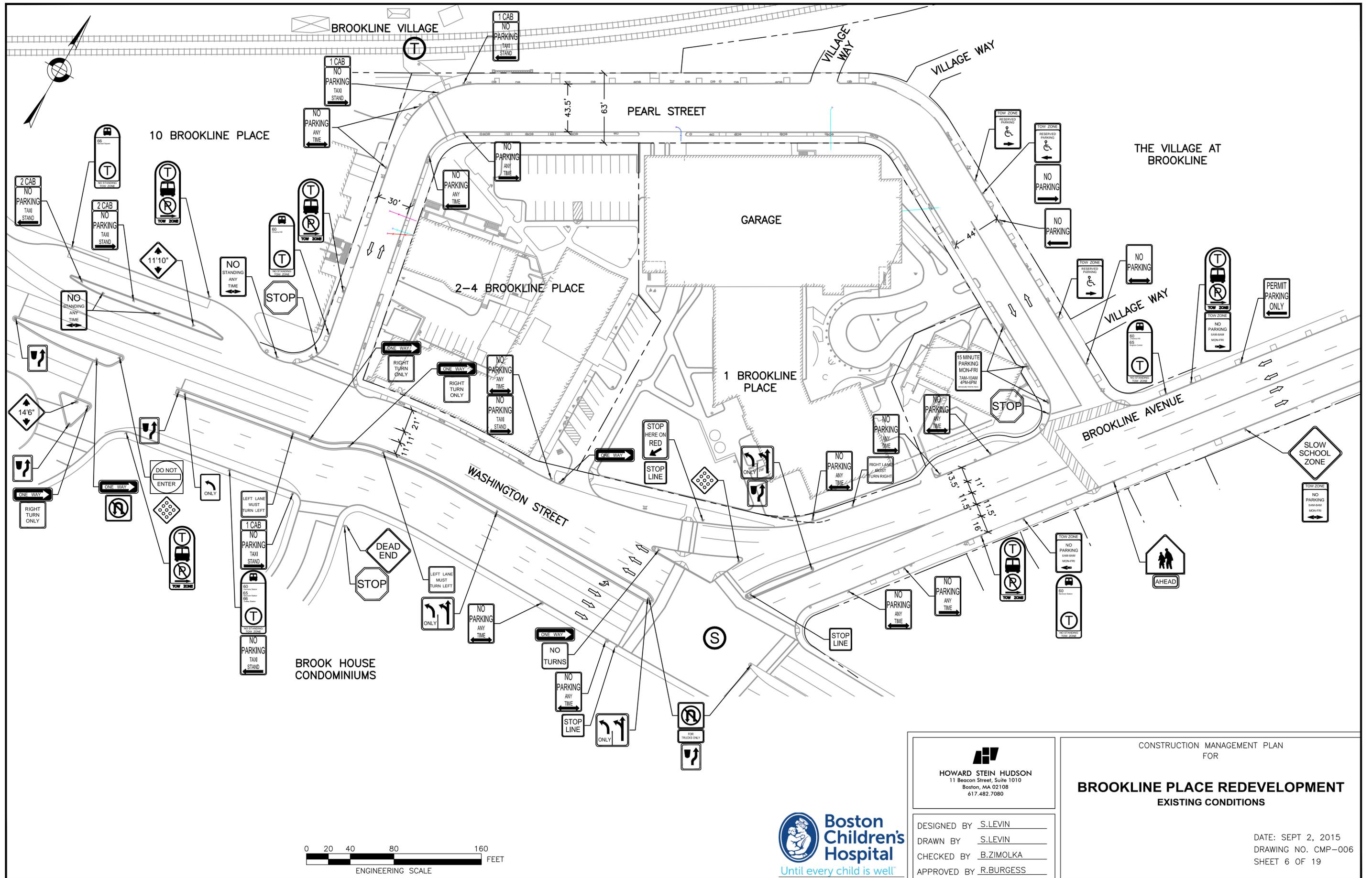
DESIGNED BY S.LEVIN
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APPROVED BY R.BURGESS



CONSTRUCTION MANAGEMENT PLAN
FOR
BROOKLINE PLACE REDEVELOPMENT
TEMPORARY TRAFFIC CONTROL DEVICES III

DATE: SEPT 2, 2015
DRAWING NO. CMP-005
SHEET 5 OF 19

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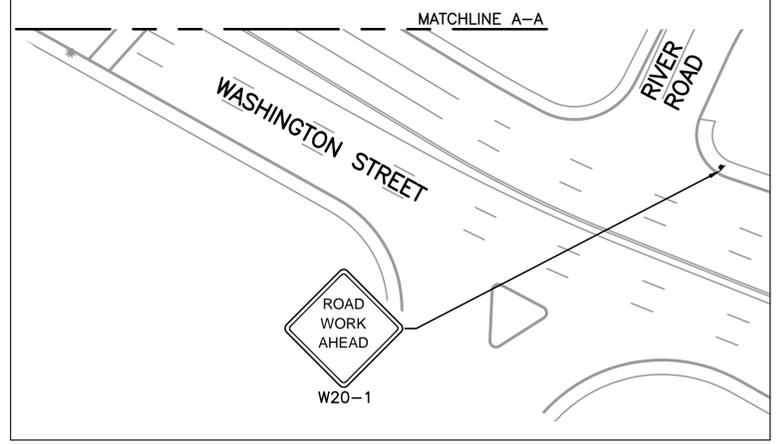
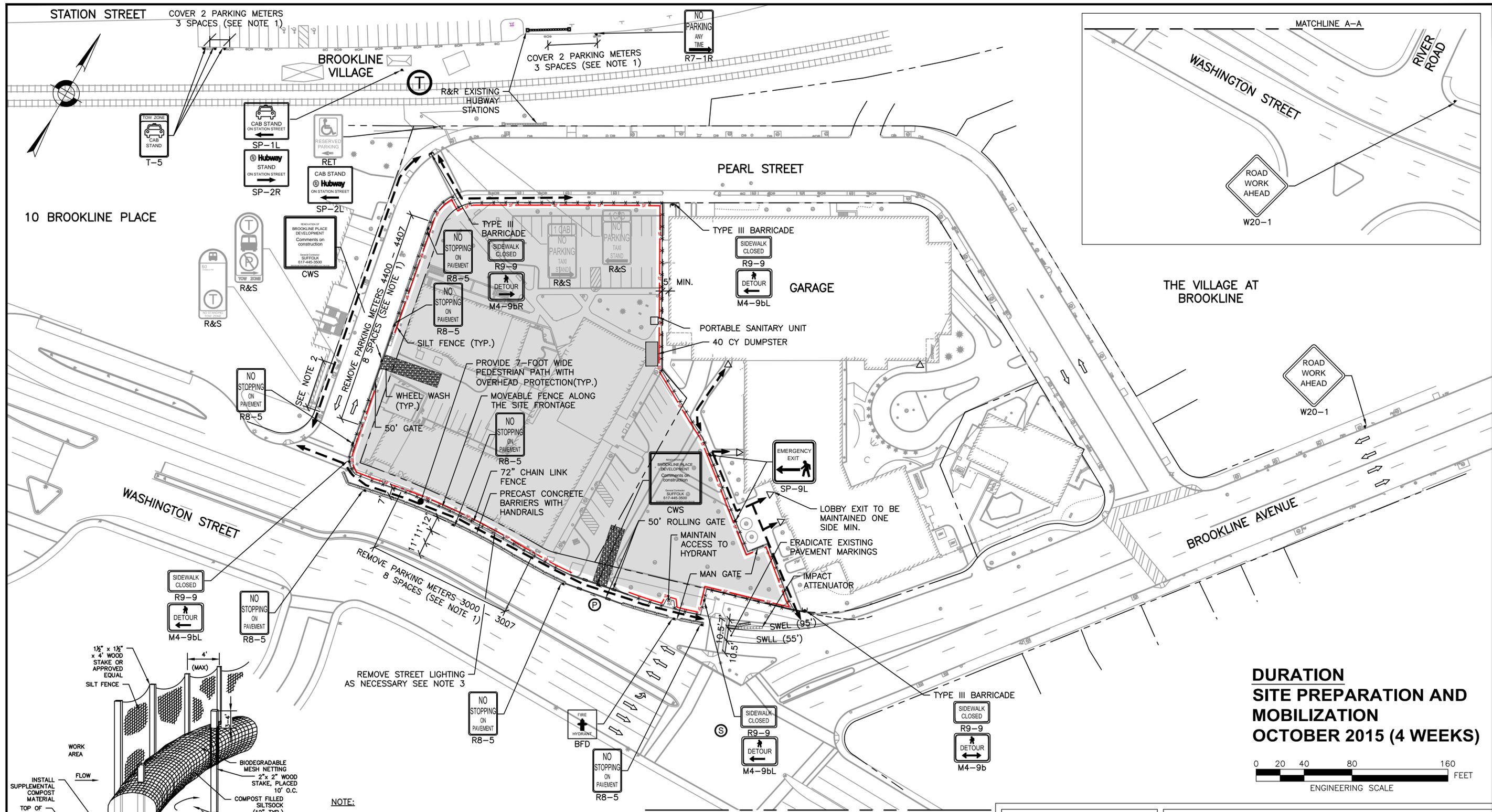


CONSTRUCTION MANAGEMENT PLAN
 FOR

BROOKLINE PLACE REDEVELOPMENT
 EXISTING CONDITIONS

DATE: SEPT 2, 2015
 DRAWING NO. CMP-006
 SHEET 6 OF 19

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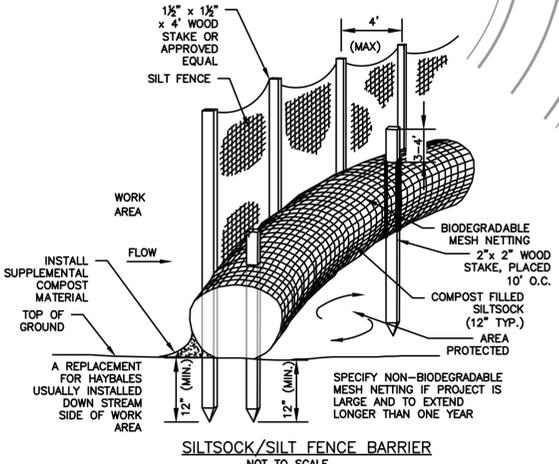
THE VILLAGE AT BROOKLINE



DURATION
SITE PREPARATION AND MOBILIZATION
OCTOBER 2015 (4 WEEKS)



- NOTE:**
1. REMOVE PARKING METER HEADS 3000-3007 AND 4400-4407 (16 SPACES). COVER PARKING METER HEADS 4209-4211 AND 4236-4238 (6 SPACES). CONTACT TOWN OF BROOKLINE PRIOR TO REMOVING AND COVERING METER HEADS. THE PARKING METER HEADS ALONG STATION STREET SHALL BE UNCOVERED UPON THE COMPLETION OF CONSTRUCTION.
 2. ALL SIGNAGE CALLED OUT TO BE REMOVED AND STACKED SHALL BE RETURNED TO ITS ORIGINAL LOCATION UPON THE COMPLETION OF CONSTRUCTION.
 3. CONTRACTOR SHALL REMOVE AND TRANSPORT TO THE TOWN, ANY STREET LIGHTS THAT ARE IMPACTED BY CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY REPLACEMENT STREET LIGHTING TO THE TOWN'S SATISFACTION.



- NOTE:**
1. SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.
 2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
 3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
 4. IF NON BIODEGRADABLE NETTING IS USED THE MATING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

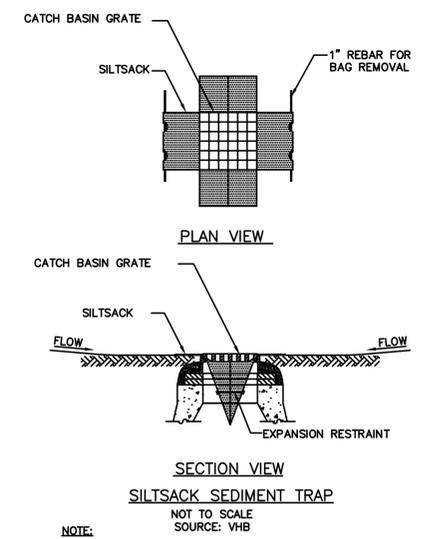
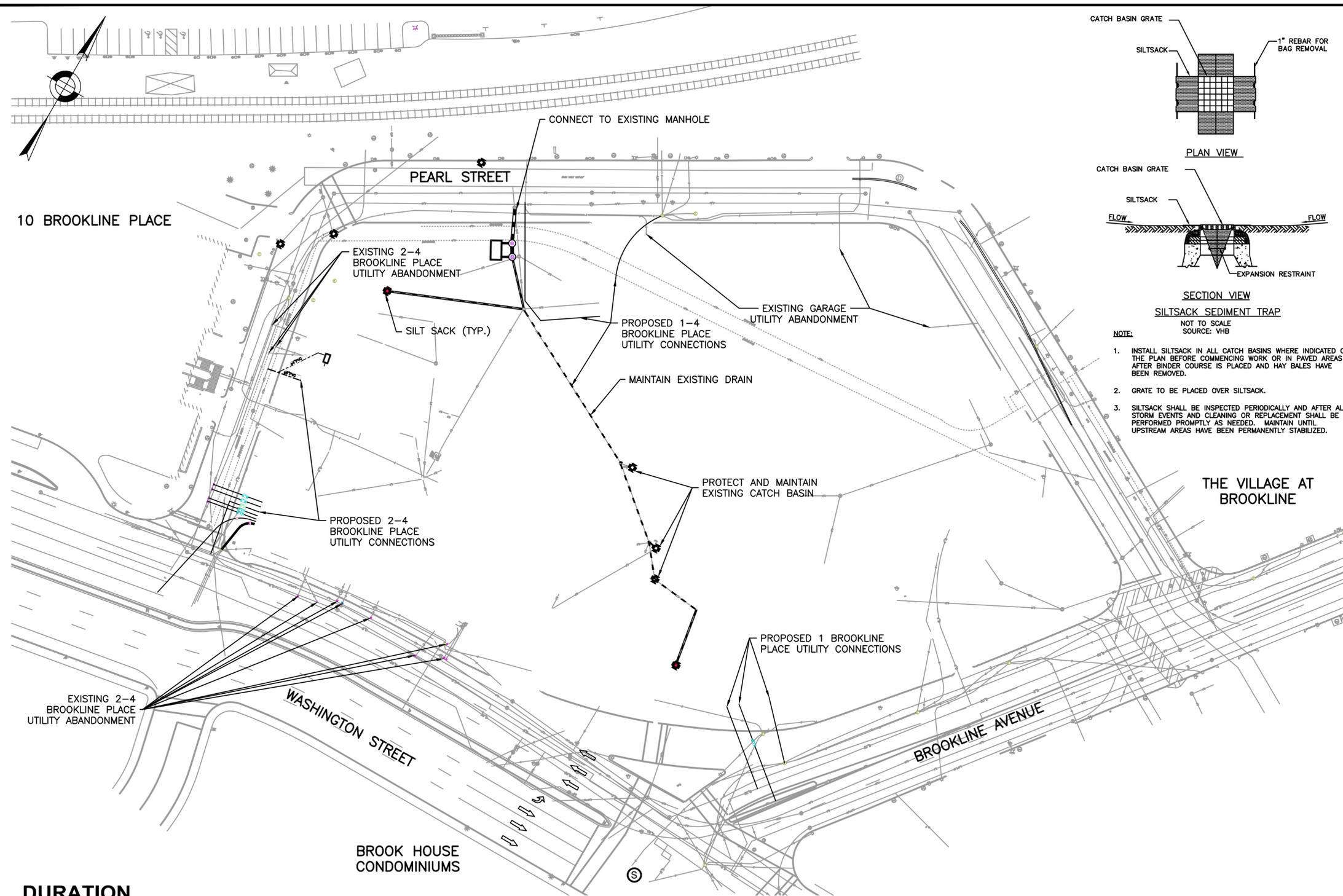
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DESIGNED BY S.LEVIN
 DRAWN BY S.LEVIN
 CHECKED BY B.ZIMOLKA
 APPROVED BY R.BURGESS

CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 SITE PREPARATION AND MOBILIZATION

DATE: SEPT 2, 2015
 DRAWING NO. CMP-007
 SHEET 7 OF 19



- NOTE:**
1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
 2. GRATE TO BE PLACED OVER SILTSACK.
 3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

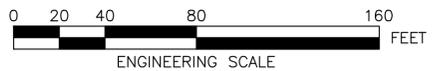
- NOTES**
1. ALL WATER, SEWER, AND DRAIN CONSTRUCTION TO CONFORM TO THE TOWN OF BROOKLINE DEPARTMENT OF PUBLIC WORKS REQUIREMENTS.
 2. NO WORK TO PROCEED PRIOR TO BROOKLINE DPW APPROVAL.
 3. EXISTING WATER SERVICES TO BE ABANDONED ARE TO BE CUT AND CAPPED AT THE MAIN. THE GATE AND VALVE BOX ARE TO BE REMOVED BY THE CONTRACTOR. THE REMAINING TEE AND BLIND FLANGE SHALL BE POSITIVELY RESTRAINED TO THE MAIN WITH TIE RODS AND COLLAR. PLUG AND ABANDON EXISTING PIPES IN PLACE.
 4. EXISTING SEWER AND DRAIN SERVICES TO BE ABANDONED SHALL BE PLUGGED AT THE EXISTING WYE FITTINGS, AS DIRECTED BY THE BROOKLINE DPW. PIPE SECTIONS TO BE ABANDONED AND LEFT IN PLACE SHALL HAVE BOTH ENDS PLUGGED. ALL WORK MUST BE PERFORMED BY A BROOKLINE LICENSED DRAIN LAYER.
 5. THE CONTRACTOR SHALL NOTIFY BROOKLINE DPW A MINIMUM OF 48 HOURS BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THEIR WATER SYSTEM SO THAT THE WATER MAIN CAN BE SHUT OFF.
 6. ALL NEW DI PIPE TO BE EPOXY COATED AND CEMENT LINED, CLASS 56 FOR ALL PIPE DIAMETERS 16 INCHES OR LESS UNLESS OTHERWISE NOTED ON THE PLANS. ALL FITTINGS SHALL BE RESTRAINED BY MECHANICAL MEANS OR BY CONCRETE THRUST BLOCK, WITH PARTICULAR INSTALLATION DETAILS BASED ON ACTUAL FIELD CONDITIONS. ALL THRUST RESTRAINTS SHALL BE IN ACCORDANCE WITH BROOKLINE DPW STANDARDS.
 7. ALL DRAIN SERVICE PIPE TO BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.
 8. ALL SEWER SERVICE PIPE TO BE MADE WITH PVC ASTM D3034 WITH A STANDARD DIMENSION RATIO OF 35.
 9. ALL TAPPING SLEEVES AND VALVES ARE TO BE MUELLER H-615 OR APPROVED EQUAL.
 10. THE LOCATION OF EXISTING SANITARY SEWER, DRAIN LINES, AND WATER PIPES ARE TO BE DETERMINED AT ALL CROSSINGS. THE WATER LINE SHOULD BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER/DRAIN IS AT LEAST 18" BELOW THE UNDERSIDE OF THE WATER LINE. WHEN THE ELEVATION OF THE WATER CANNOT BE VARIED TO MEET THIS REQUIREMENT, BOTH THE SEWER/DRAIN AND THE WATER LINE SHOULD BE ENCASED IN FLOWABLE FILL (LEAN CONCRETE, 100 PSI) FOR 10' ON EITHER SIDE OF THE CROSSING. IF THE PROPOSED WATER LINE IS IN DIRECT CONFLICT WITH AN EXISTING SEWER/DRAIN PIPE, THE WATER LINE SHALL BE INSTALLED ABOVE THE SEWER/DRAIN WITH 18" MINIMUM SEPARATION FOR A DISTANCE OF 10' ON EACH SIDE OF THE SEWER/DRAIN. ONE FULL PIPE LENGTH OF THE WATER LINE SHOULD BE CENTERED OVER THE SEWER/DRAIN SO THAT JOINTS WILL BE AS FAR FROM THE SEWER/DRAIN AS POSSIBLE. ALL PROPOSED WATER LINES THAT ARE LESS THAN 5'-6" BELOW FINISHED GRADE SHALL BE INSULATED.
 11. EXISTING STREET LIGHTS WITHIN THE WORK LIMITS ARE TO BE REMOVED AND STACKED AT THE BROOKLINE DPW YARD. PROVIDE TEMPORARY LIGHTS FOR ALL PUBLIC STREETS AS REQUIRED.
 12. CONTRACTOR SHALL INSTALL UP TO TEN STREET LIGHTS ALONG PEARL STREET AND WASHINGTON STREET, INCLUDING HANDHOLES AND CONDUIT.

DURATION
STORM DRAIN AT PEARL STREET
OCTOBER 2015 (4 WEEKS)

CUT AND CAP EXISTING UTILITIES
OCTOBER 2015 - NOVEMBER 2015 (8 WEEKS)

GARAGE UTILITIES
MAY 2016 - AUGUST 2016
(16 WEEKS)

- NOTE:**
1. SEE VHB'S SCHEMATIC DESIGN C-1 THROUGH C-8 FROM MAY 8, 2015 FOR CUT AND CAP AND UTILITY INSTALLATION PLANS.
 2. CONTRACTOR TO USE TYPICAL WORKZONE SET UPS FOR TRAFFIC MANAGEMENT SEE SHEET 4



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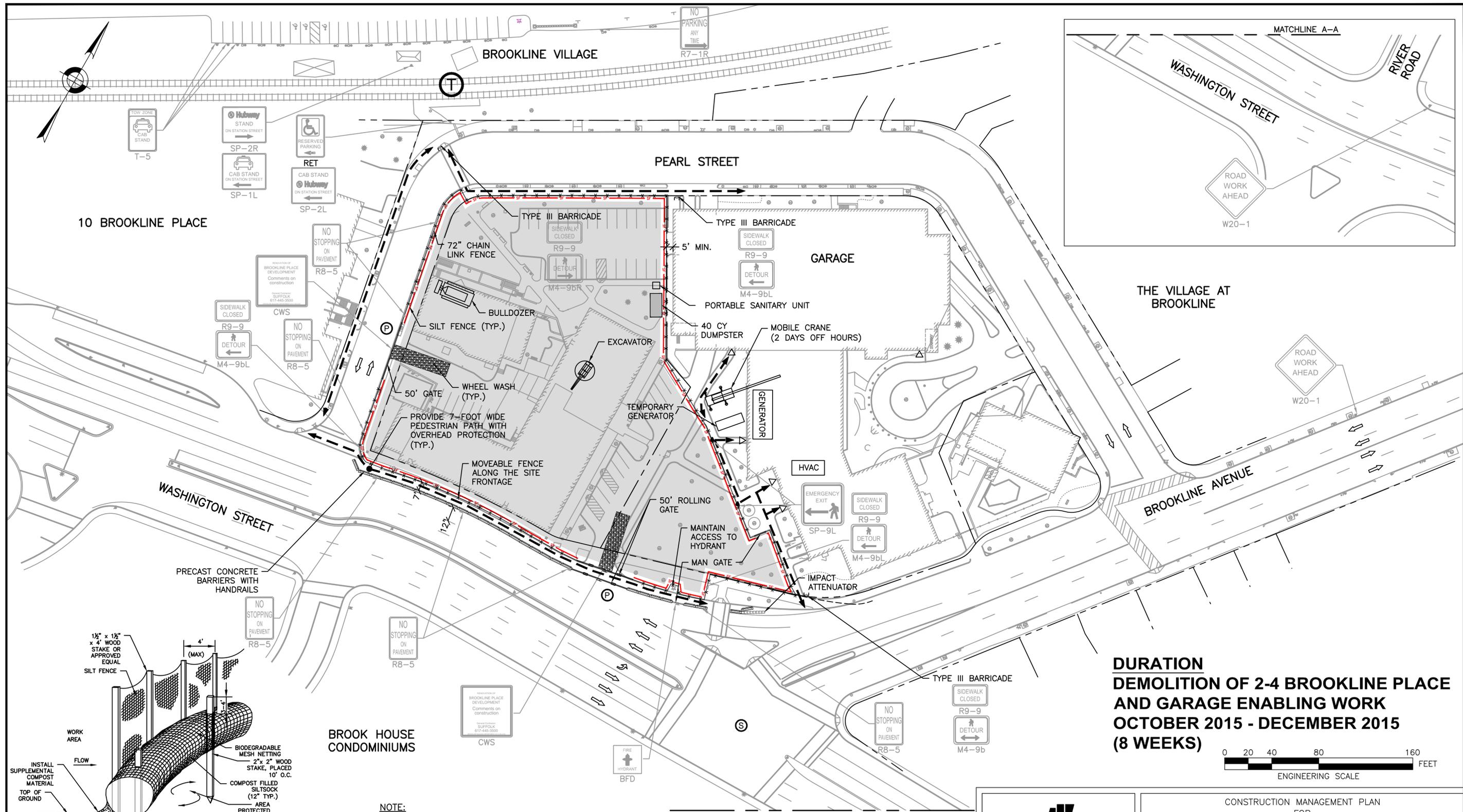
DESIGNED BY S.LEVIN
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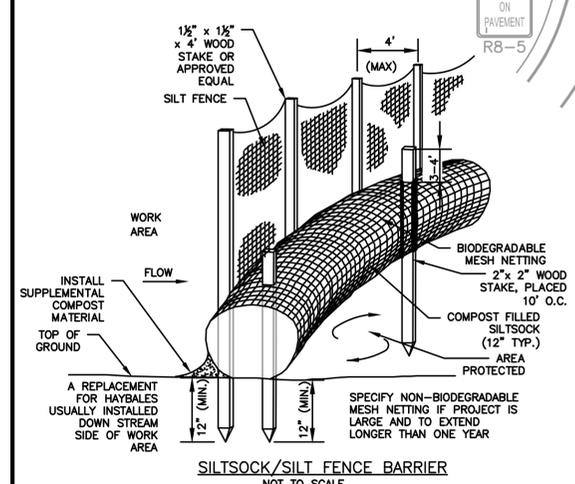
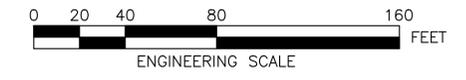
CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 UTILITY PLAN

DATE: SEPT 2, 2015
 DRAWING NO. CMP-008
 SHEET 8 OF 19

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DURATION
DEMOLITION OF 2-4 BROOKLINE PLACE
AND GARAGE ENABLING WORK
OCTOBER 2015 - DECEMBER 2015
(8 WEEKS)



NOTE:
 1. FOR TRUCK TURNING MANEUVERS, SEE SHEET 15 - 17

NOTE:
 1. SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.
 2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
 3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
 4. IF NON BIODEGRADABLE NETTING IS USED THE MATING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

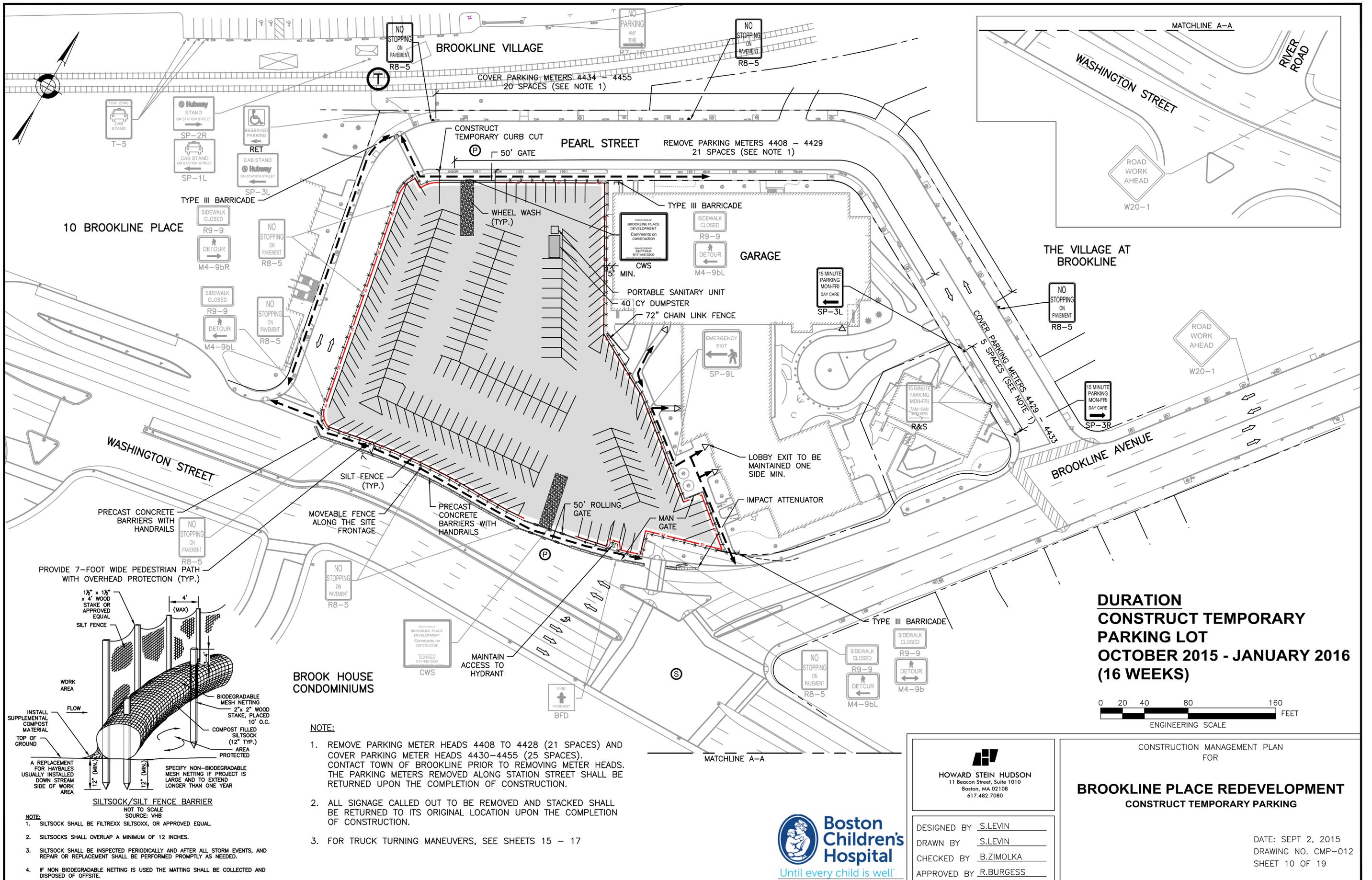


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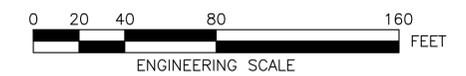
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CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
DEMOLITION OF 2-4 BROOKLINE PLACE AND GARAGE
ENABLING WORK

DATE: SEPT 2, 2015
 DRAWING NO. CMP-009
 SHEET 9 OF 19

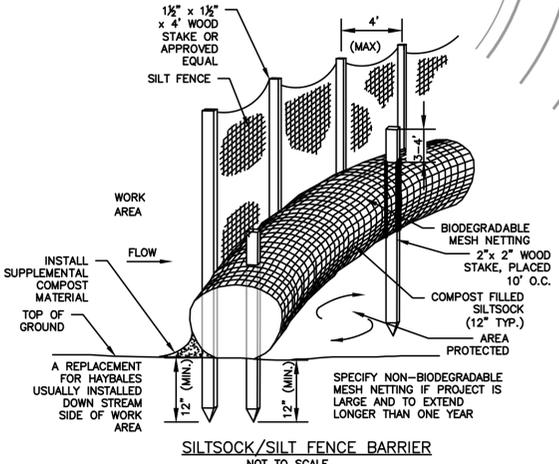


DURATION
CONSTRUCT TEMPORARY
PARKING LOT
OCTOBER 2015 - JANUARY 2016
(16 WEEKS)



BROOK HOUSE CONDOMINIUMS

- NOTE:**
1. REMOVE PARKING METER HEADS 4408 TO 4428 (21 SPACES) AND COVER PARKING METER HEADS 4430-4455 (25 SPACES). CONTACT TOWN OF BROOKLINE PRIOR TO REMOVING METER HEADS. THE PARKING METERS REMOVED ALONG STATION STREET SHALL BE RETURNED UPON THE COMPLETION OF CONSTRUCTION.
 2. ALL SIGNAGE CALLED OUT TO BE REMOVED AND STACKED SHALL BE RETURNED TO ITS ORIGINAL LOCATION UPON THE COMPLETION OF CONSTRUCTION.
 3. FOR TRUCK TURNING MANEUVERS, SEE SHEETS 15 - 17



- NOTE:**
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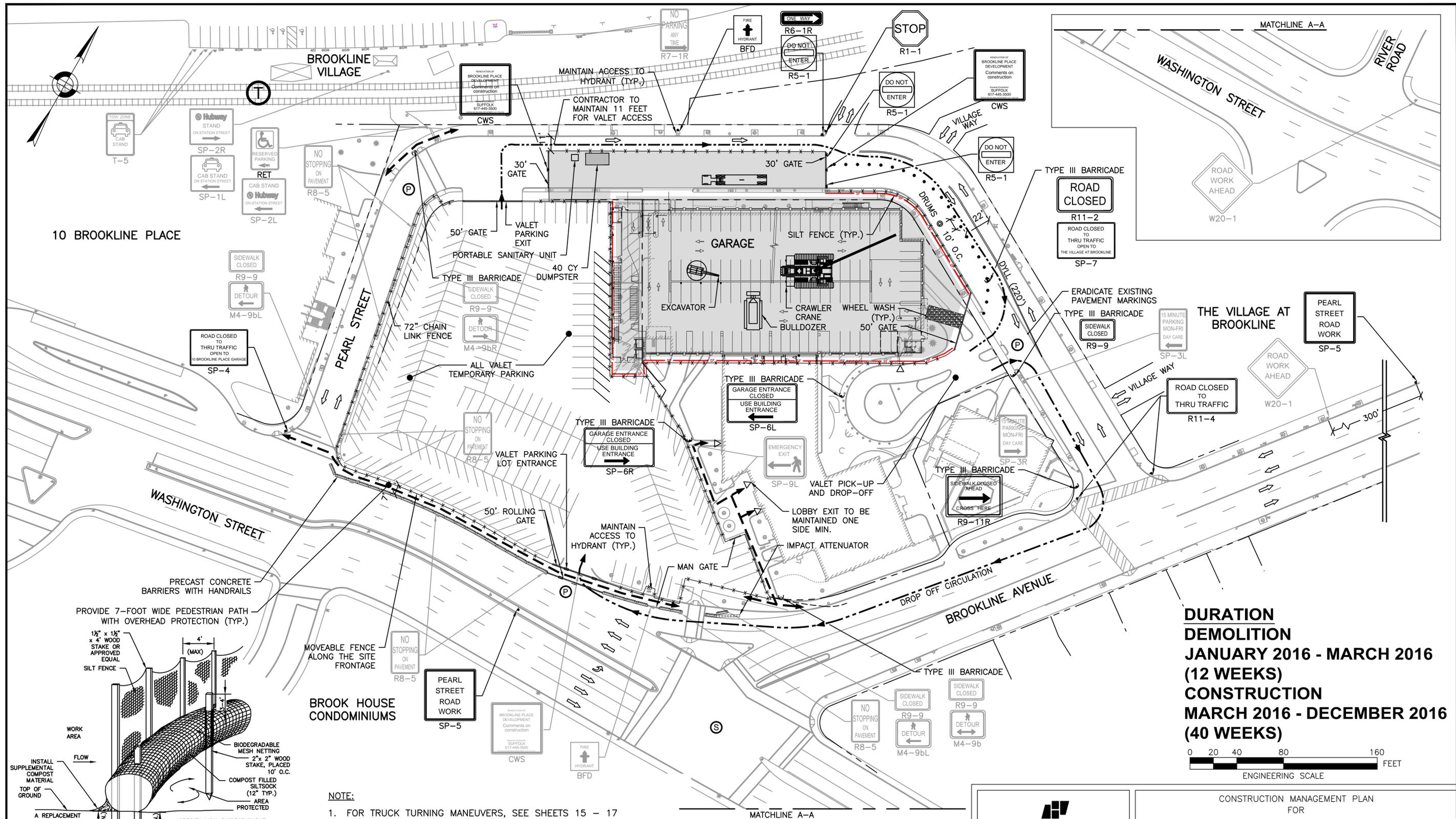
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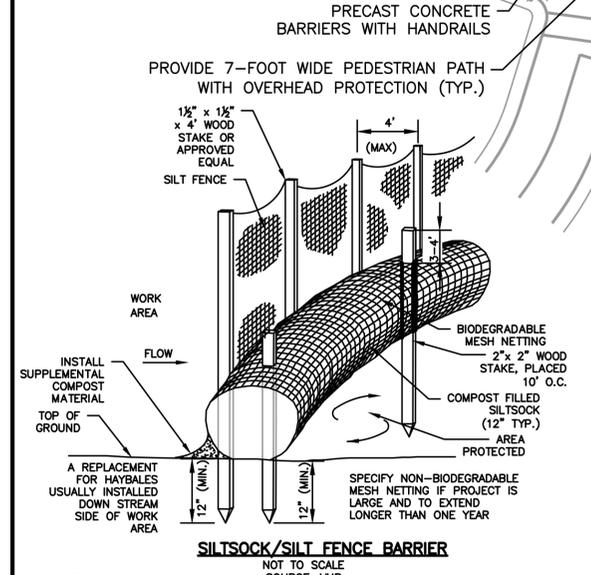
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CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 CONSTRUCT TEMPORARY PARKING

DATE: SEPT 2, 2015
 DRAWING NO. CMP-012
 SHEET 10 OF 19



DURATION
DEMOLITION
JANUARY 2016 - MARCH 2016
(12 WEEKS)
CONSTRUCTION
MARCH 2016 - DECEMBER 2016
(40 WEEKS)



NOTE:
 1. FOR TRUCK TURNING MANEUVERS, SEE SHEETS 15 - 17

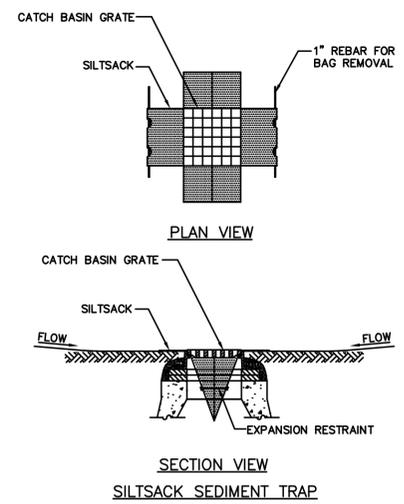
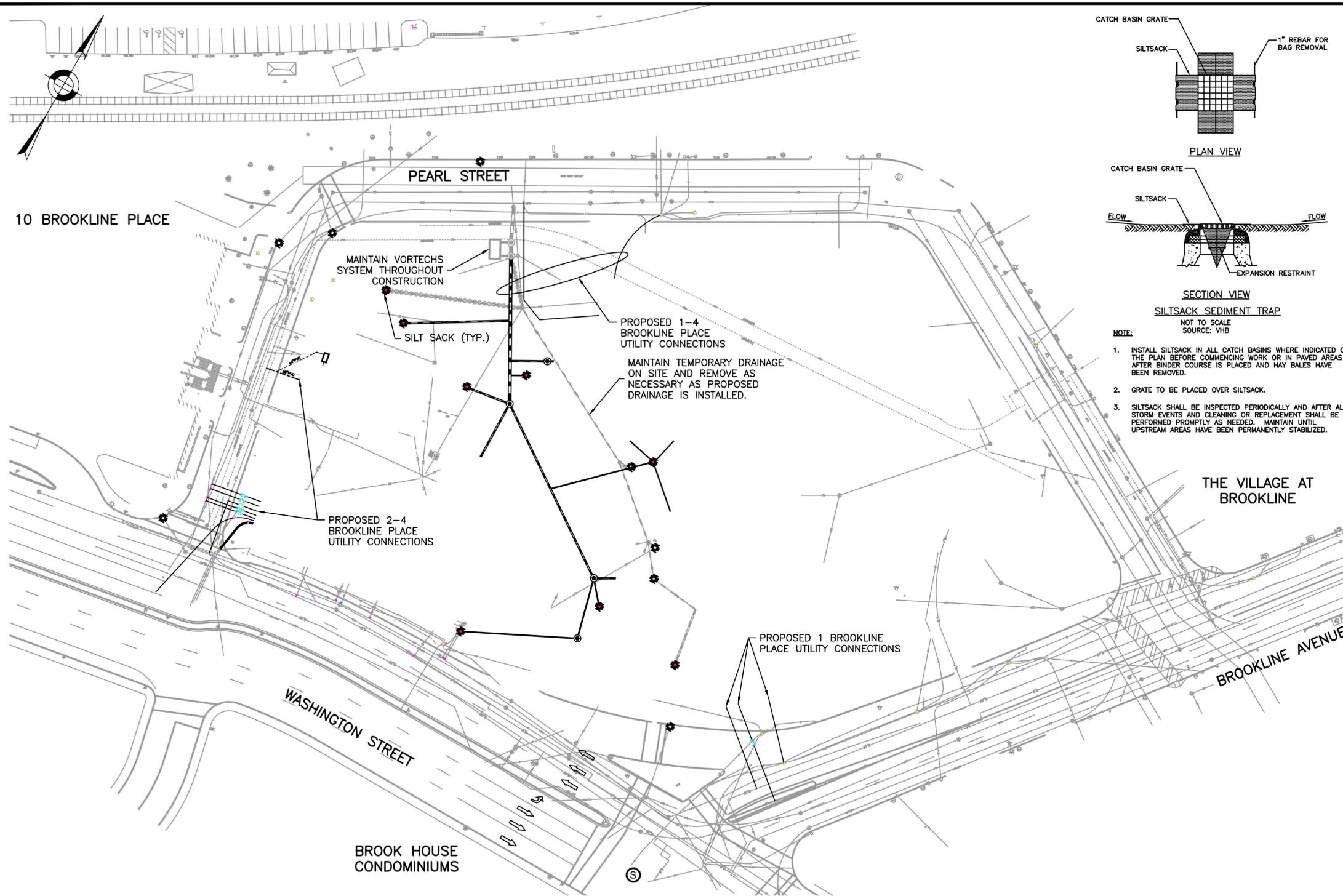
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CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
GARAGE DEMOLITION AND CONSTRUCTION

DATE: SEPT 2, 2015
 DRAWING NO. CMP-013
 SHEET 11 OF 19

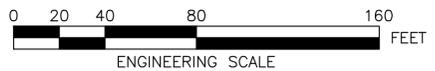


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 12. CONTRACTOR SHALL INSTALL UP TO TEN STREET LIGHTS ALONG PEARL STREET AND WASHINGTON STREET, INCLUDING HANDHOLES AND CONDUIT.

DURATION
1 AND 2 BROOKLINE PLACE UTILITIES
MAY 2017 - AUGUST 2017
(16 WEEKS)

- NOTE:**
1. SEE VHB'S SCHEMATIC DESIGN C-1 THROUGH C-8 FROM MAY 8, 2015 FOR CUT AND CAP AND UTILITY INSTALLATION PLANS.
 2. CONTRACTOR TO USE TYPICAL WORKZONE SET UPS FOR TRAFFIC MANAGEMENT SEE SHEET 4



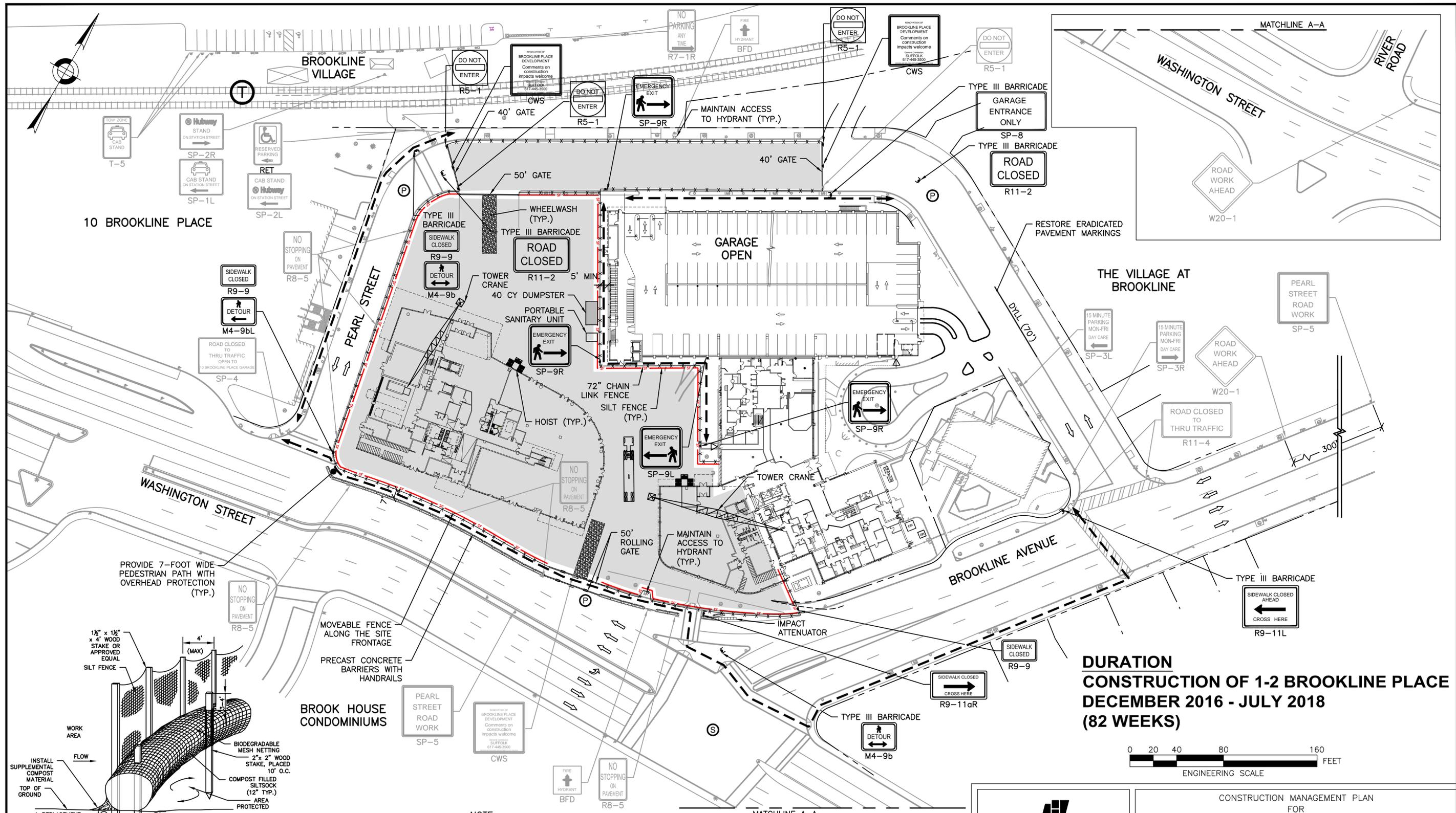
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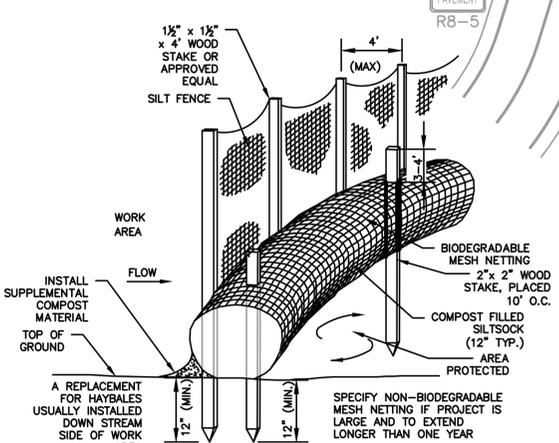
CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
1-2 BROOKLINE PLACE UTILITY PLAN

DATE: SEPT 2, 2015
 DRAWING NO. CMP-012
 SHEET 12 OF 19

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DURATION
CONSTRUCTION OF 1-2 BROOKLINE PLACE
DECEMBER 2016 - JULY 2018
(82 WEEKS)



NOTE:
 1. FOR TRUCK TURNING MANEUVERS, SEE SHEETS 15 - 17

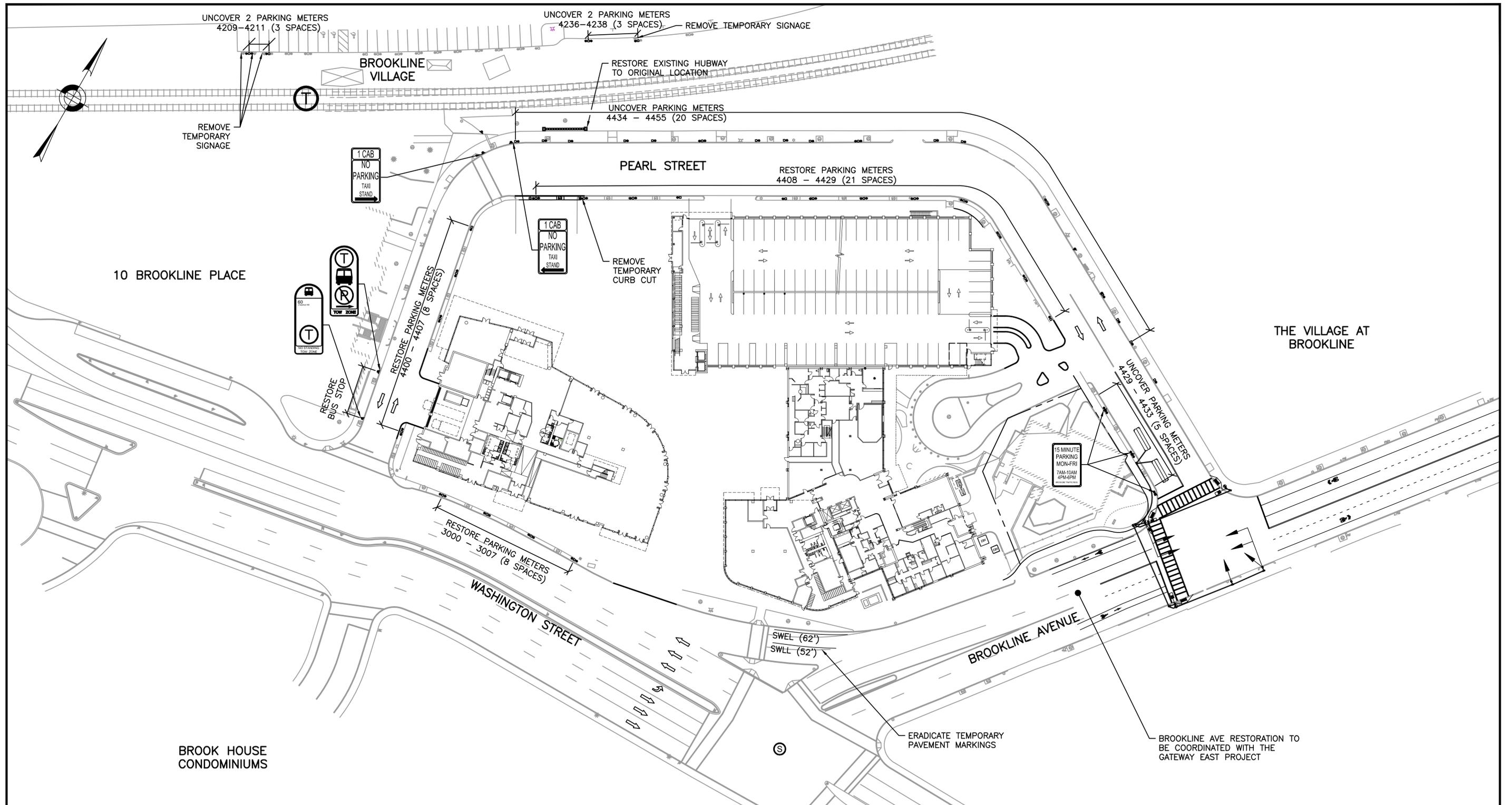
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CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 CONSTRUCTION OF 1-2 BROOKLINE PLACE

DATE: SEPT 2, 2015
 DRAWING NO. CMP-014
 SHEET 13 OF 19



NOTE:

1. ALL STREET RESTORATION SHALL BE COORDINATED WITH FINAL CONSTRUCTION PLANS FOR "GATEWAY EAST" AND PEARL STREET AS APPROVED BY TOWN OF BROOKLINE.



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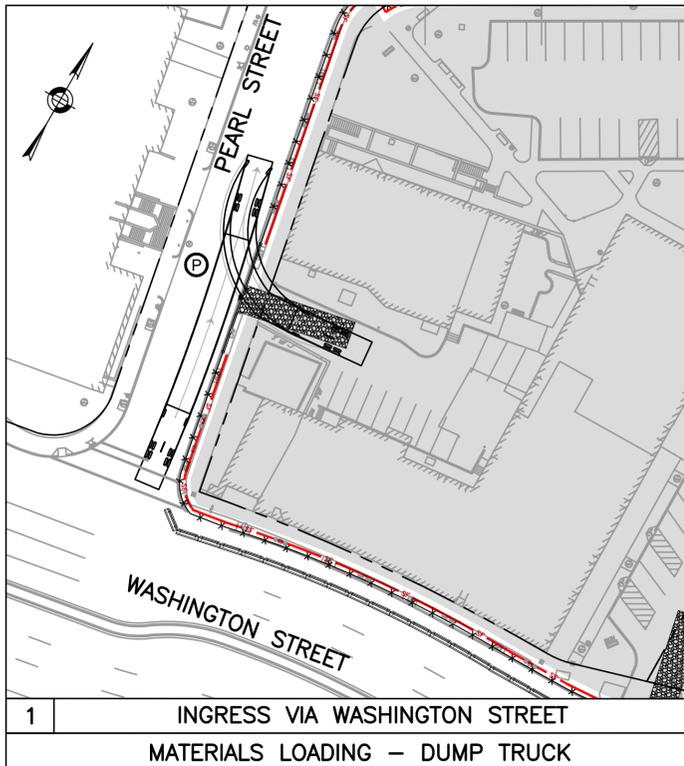
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CONSTRUCTION MANAGEMENT PLAN
FOR
**BROOKLINE PLACE REDEVELOPMENT
RESTORATION PLAN**

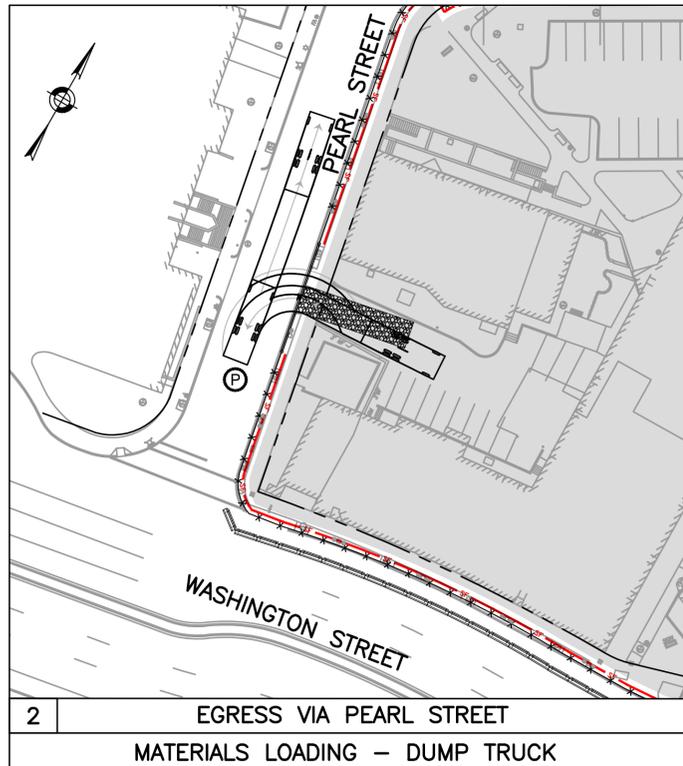
DATE: SEPT 2, 2015
DRAWING NO. CMP-015
SHEET 14 OF 19



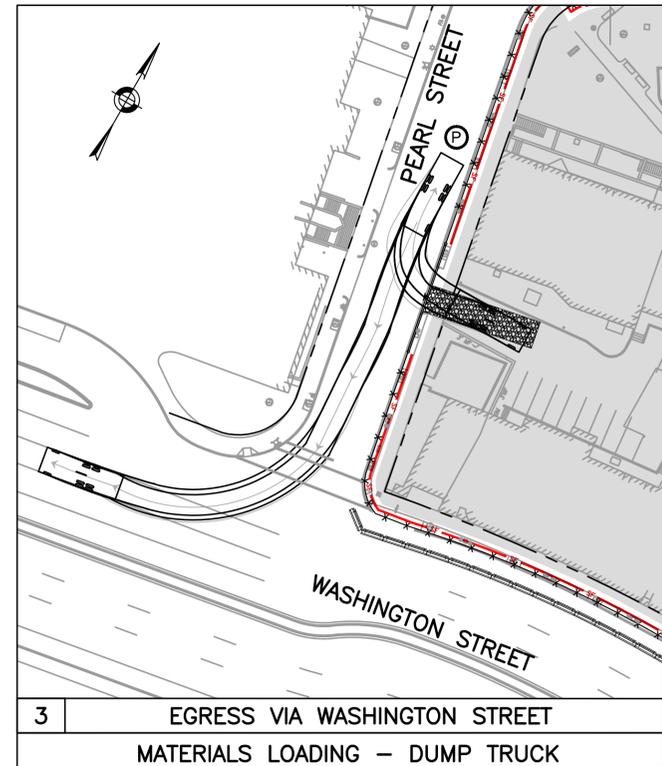
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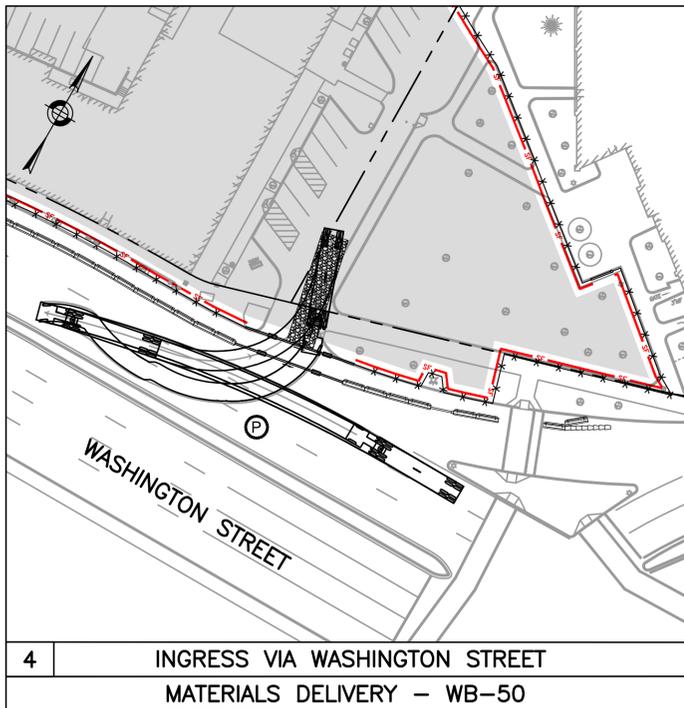
1 INGRESS VIA WASHINGTON STREET
MATERIALS LOADING – DUMP TRUCK



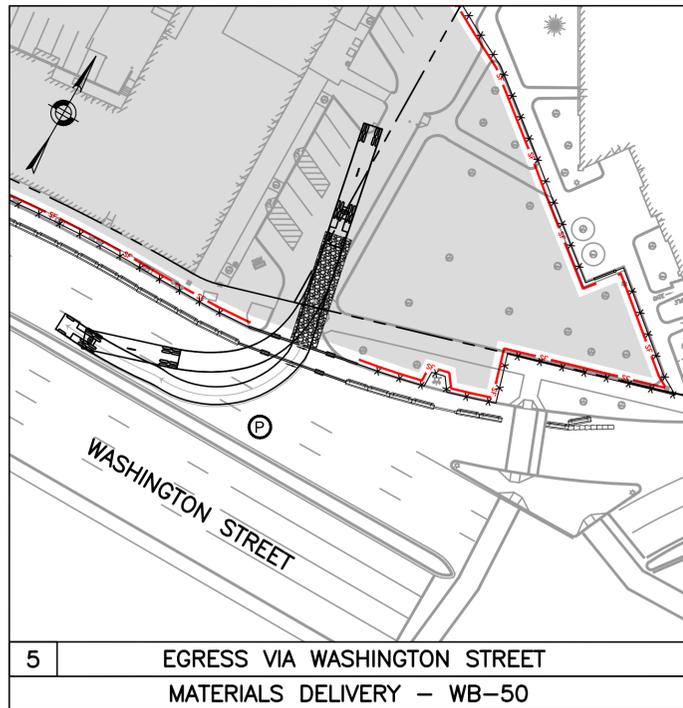
2 EGRESS VIA PEARL STREET
MATERIALS LOADING – DUMP TRUCK



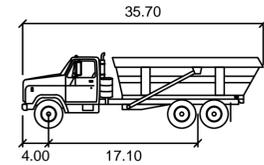
3 EGRESS VIA WASHINGTON STREET
MATERIALS LOADING – DUMP TRUCK



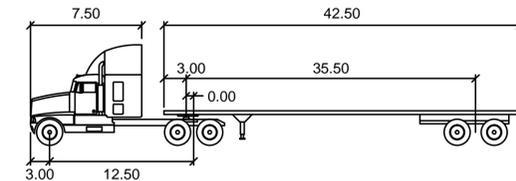
4 INGRESS VIA WASHINGTON STREET
MATERIALS DELIVERY – WB-50



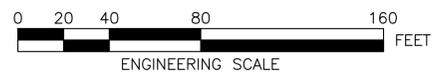
5 EGRESS VIA WASHINGTON STREET
MATERIALS DELIVERY – WB-50



DUMP TRUCK		Feet
Width	:	11.30
Track	:	11.30
Lock to Lock Time	:	6.00
Steering Angle	:	31.80



WB-50		feet
Tractor Width	:	8.00
Tractor Track	:	8.00
Tractor Overhang	:	3.00
Trailer Width	:	8.50
Trailer Track	:	8.50
Lock to Lock Time	:	6.00
Steering Angle	:	17.70
Articulating Angle	:	70.00



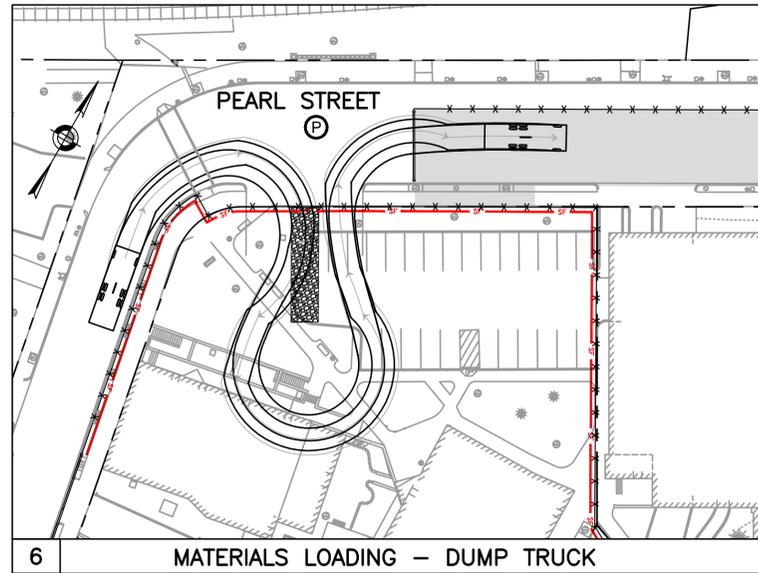
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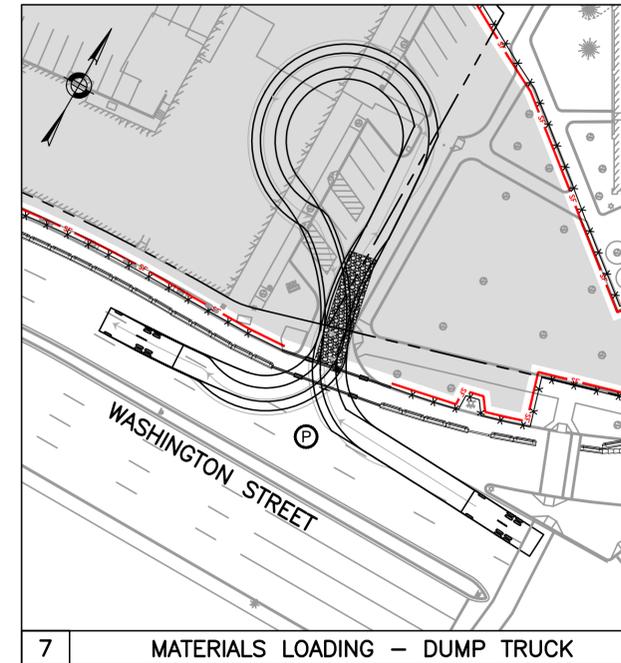
CONSTRUCTION MANAGEMENT PLAN
FOR

BROOKLINE PLACE REDEVELOPMENT
TRUCK TURNING MANEUVERS I

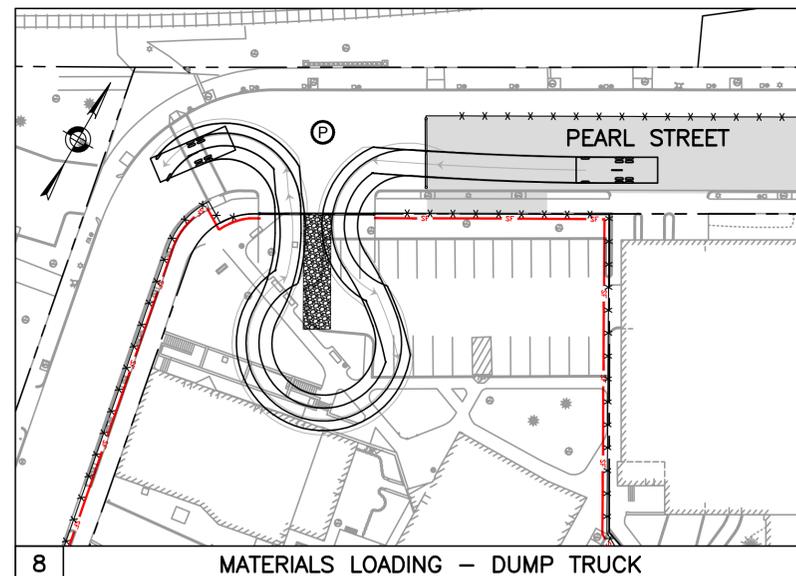
DATE: SEPT 2, 2015
DRAWING NO. CMP-016
SHEET 15 OF 19



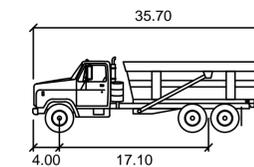
6 MATERIALS LOADING - DUMP TRUCK



7 MATERIALS LOADING - DUMP TRUCK



8 MATERIALS LOADING - DUMP TRUCK



DUMP TRUCK	Feet
Width	: 11.30
Track	: 11.30
Lock to Lock Time	: 6.00
Steering Angle	: 31.80



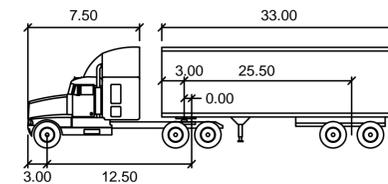
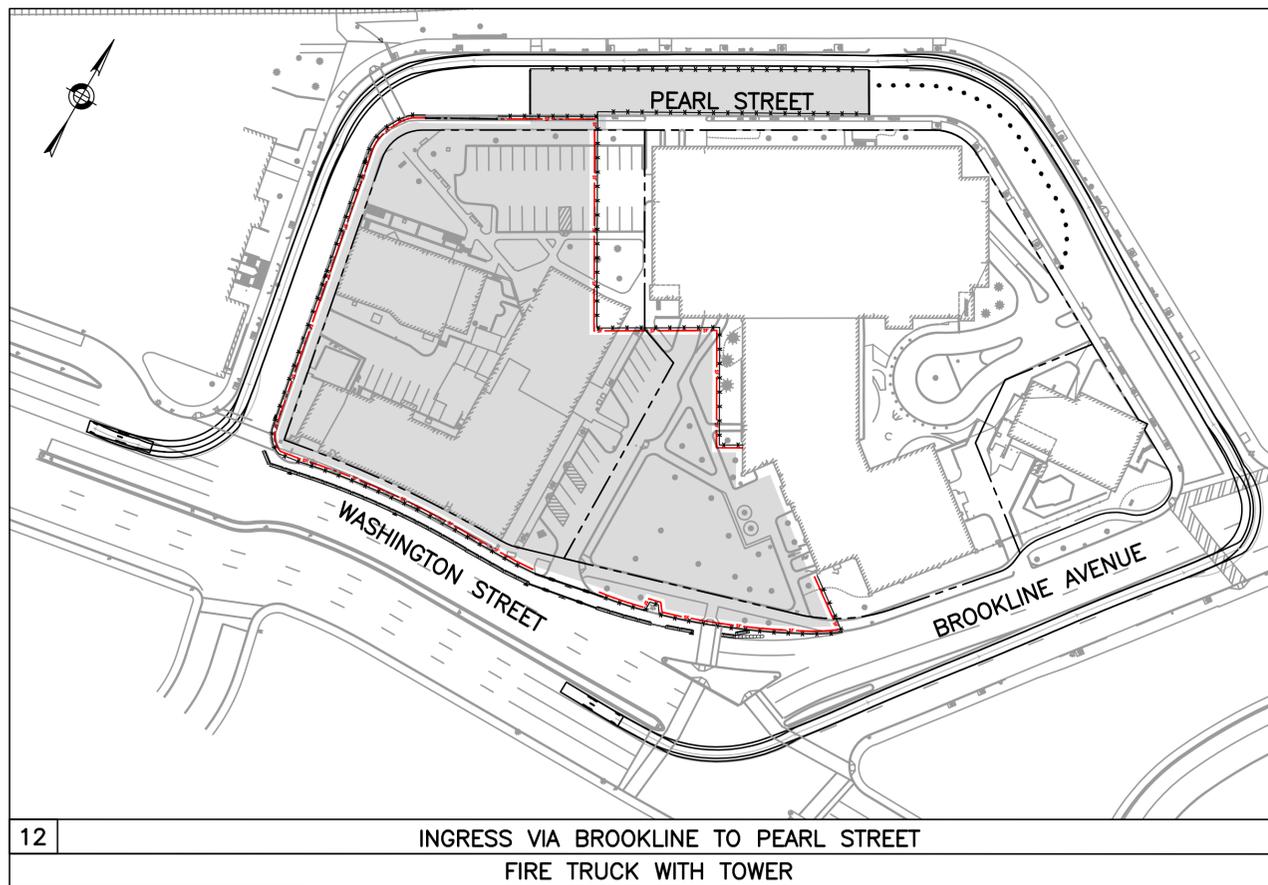
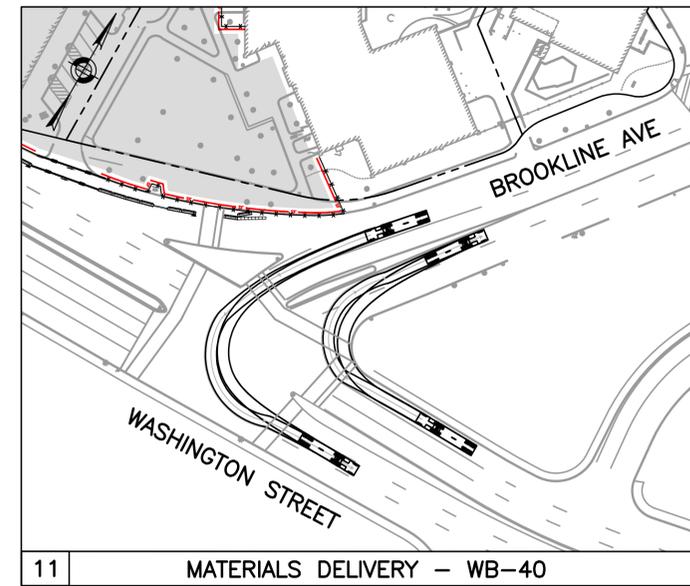
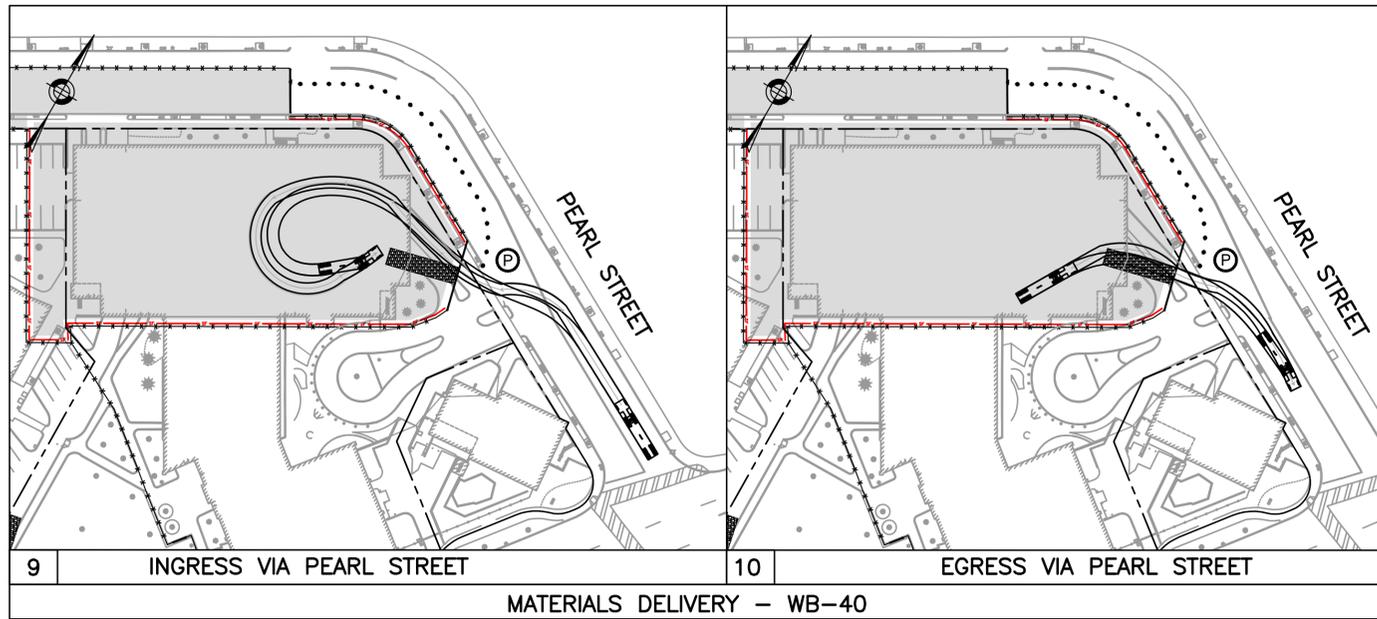
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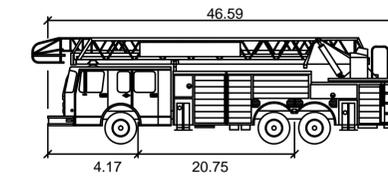
CONSTRUCTION MANAGEMENT PLAN
 FOR

BROOKLINE PLACE REDEVELOPMENT
TRUCK TURNING MANEUVERS II

DATE: SEPT 2, 2015
 DRAWING NO. CMP-017
 SHEET 16 OF 19



WB-40	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.00
Trailer Width	: 8.00	Steering Angle	: 20.30
Tractor Track	: 8.00	Articulating Angle	: 70.00
Trailer Track	: 8.00		



Fire Truck w/Tower	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.00
Steering Angle	: 31.60



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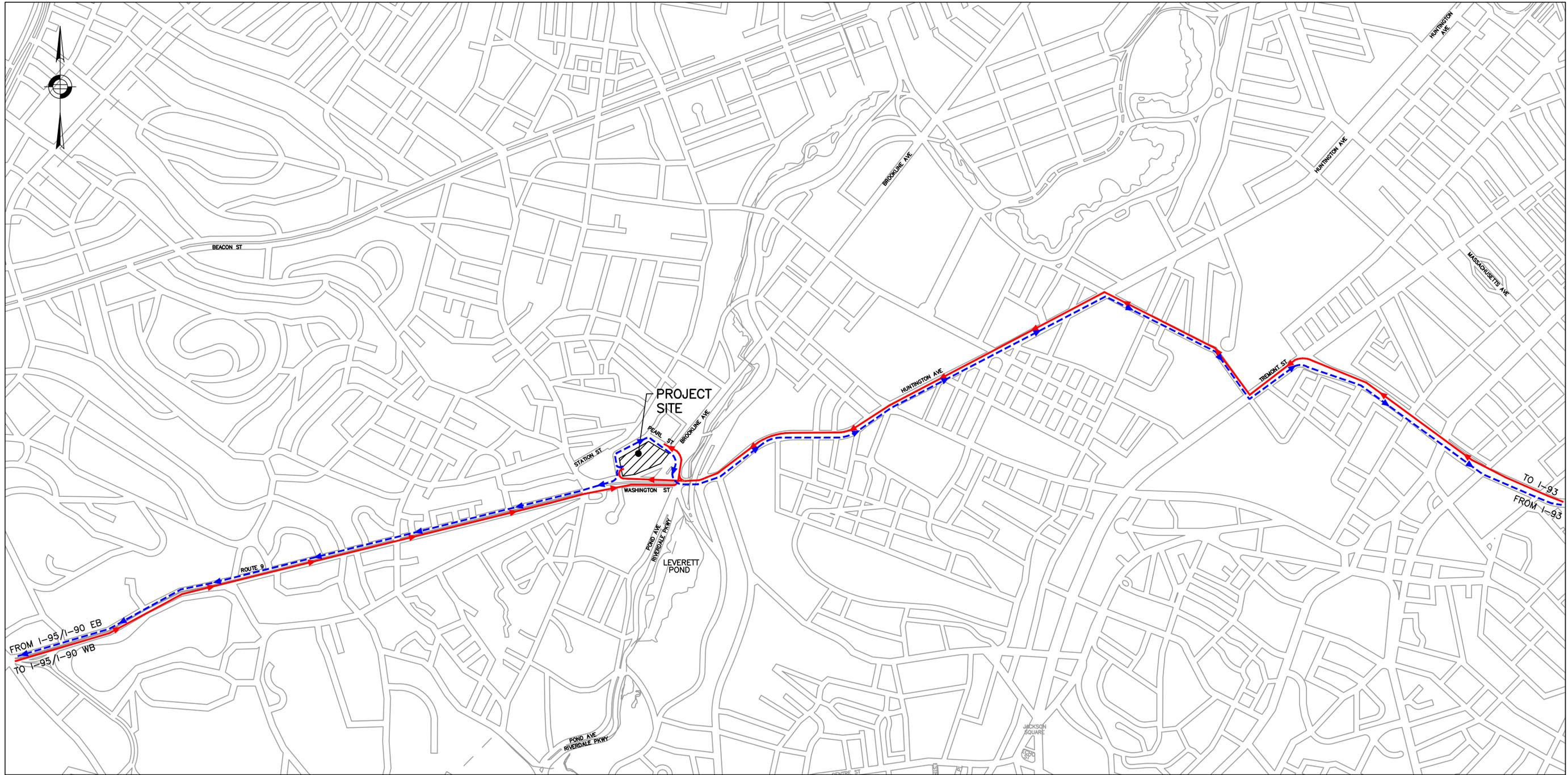
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CONSTRUCTION MANAGEMENT PLAN
FOR
BROOKLINE PLACE REDEVELOPMENT
TRUCK TURNING MANEUVERS III

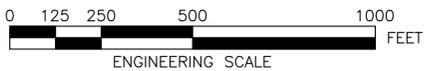
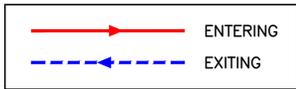
DATE: SEPT 2, 2015
DRAWING NO. CMP-018
SHEET 17 OF 19



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LEGEND



HOWARD STEIN HUDSON
 11 Beacon Street, Suite 1010
 Boston, MA 02108
 617.482.7080

DESIGNED BY S.LEVIN
 DRAWN BY S.LEVIN
 CHECKED BY B.ZIMOLKA
 APPROVED BY R.BURGESS

CONSTRUCTION MANAGEMENT PLAN
 FOR

**BROOKLINE PLACE REDEVELOPMENT
 TRUCK ROUTING PLAN**

DATE: SEPT 2, 2015
 DRAWING NO. CMP-019
 SHEET 18 OF 19

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IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES)		UNIT AREA SF	TEXT	TEXT DIMENSIONS	NUMBER OF SIGNS REQUIRED	COLOR	POST SIZE AND NUMBER REQUIRED PER SIGN	AREA IN SQUARE FEET
	WIDTH	HEIGHT							
CWS	18"	18"	2.25		SEE TOWN OF BROOKLINE	3	SEE TOWN OF BROOKLINE	MOUNT ON MAST ARM/POST	6.75
BFD	TBD	TBD	TBD			2			TBD
M4-9b	30"	24"	5.00		SEE THE MUTCD STANDARD DETAIL	2	SEE MUTCD STANDARD DETAIL	MUTCD SPEC. MOUNT ON MAST ARM/POST	5.00
M4-9bL	30"	24"	5.00			3			15.00
M4-9bR	30"	24"	5.00			1			5.00
R-1	30"	30"	5.00			1			5.00
R5-1	30"	30"	5.00			4			20.00
R6-1R	36"	12"	3.00			1			3.00
R8-5	12"	18"	1.50			11			16.50
R9-9	30"	18"	3.75			5			18.75
R9-11L	24"	18"	3.00			1			3.00
R9-11aR	24"	12"	2.00			1			2.00
R11-2	48"	30"	10.00			2			20.00
R11-4	60"	30"	12.50			1			12.50
T-5	12"	18"	1.50			3			4.50
W20-1	36"	36"	9.00			2			18.00

IDENTIFICATION NUMBER	SIZE OF SIGN (INCHES)		UNIT AREA SF	TEXT	TEXT DIMENSIONS	NUMBER OF SIGNS REQUIRED	COLOR	POST SIZE AND NUMBER REQUIRED PER SIGN	AREA IN SQUARE FEET
	WIDTH	HEIGHT							
SP-1L	TBD	TBD	TBD		SEE TOWN OF BROOKLINE	1	SEE TOWN OF BROOKLINE	MOUNT ON MAST ARM/POST	TBD
SP-2L	TBD	TBD	TBD			1			TBD
SP-2R	TBD	TBD	TBD			1			TBD
SP-3L	TBD	TBD	TBD			1			TBD
SP-3R	TBD	TBD	TBD			1			TBD
SP-4	TBD	TBD	TBD			1			TBD
SP-5	TBD	TBD	TBD			2			TBD
SP-6R	TBD	TBD	TBD			1			TBD
SP-6L	TBD	TBD	TBD			1			TBD
SP-7	TBD	TBD	TBD			1			TBD
SP-8	TBD	TBD	TBD			1			TBD
SP-9L	TBD	TBD	TBD			2			TBD
SP-9R	TBD	TBD	TBD			2			TBD


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CONSTRUCTION MANAGEMENT PLAN
 FOR
BROOKLINE PLACE REDEVELOPMENT
 SIGN SUMMARY SHEET

DATE: SEPT 2, 2015
 DRAWING NO. CMP-020
 SHEET 19 OF 19



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