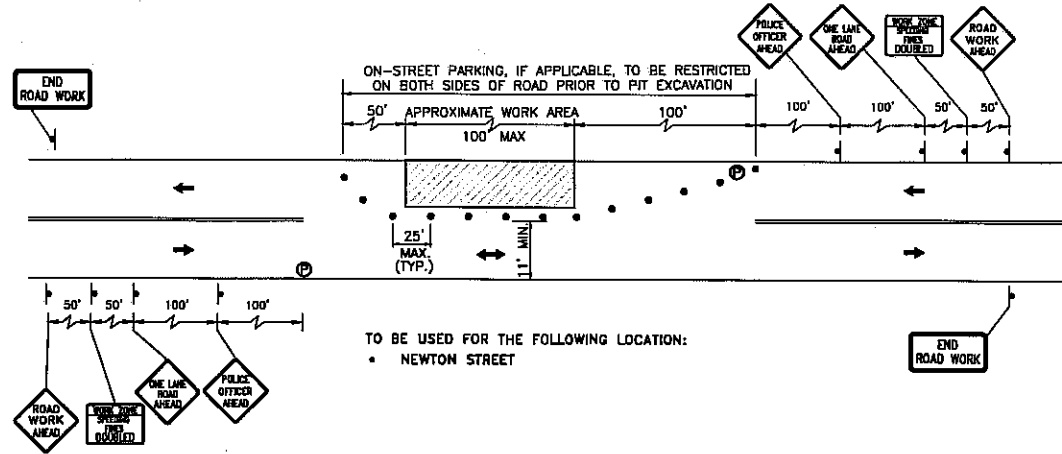
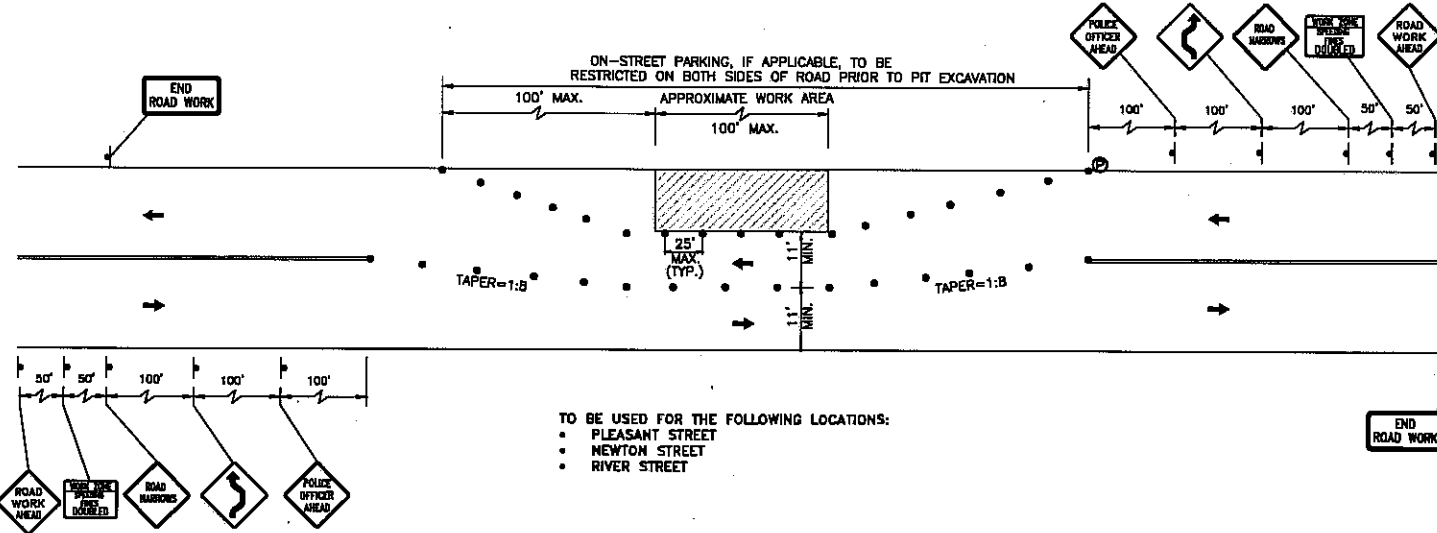


**CONSTRUCTION ZONE SAFETY PLAN GENERAL NOTES:**

1. THESE PLANS ARE NOT INTENDED TO LIMIT THE CONTRACTOR'S APPROACH 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 EFFICIENT AND SAFE MANNER IN COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS AND MEETING THE REQUIREMENTS OF THE ABUTTERS AND APPLICABLE STATE AND LOCAL AGENCIES AND SHALL CONFIRM WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS/EGRESS AT ALL CURB CUTS, BUSINESS ENTRANCES, RESIDENTIAL ENTRANCES LOCATED WITHIN THE WORK ZONES. CONTRACTOR SHALL MAINTAIN EMERGENCY PASSAGE AT ALL TIMES TO BUILDINGS WITHIN AND ADJACENT TO THE PROJECT LIMITS AS WELL AS A LARGER AREA IF AFFECTED BY CONSTRUCTION CONDITIONS. CONTRACTOR SHALL MAINTAIN 24 HOUR EMERGENCY VEHICLE ACCESS TO CONSTRUCTION AREAS.
3. 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 PLACED ON THE SURFACE, TRAFFIC DIVERTERS, ETC.
4. CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF THE WORK THAT WILL REQUIRE TEMPORARY CLOSURE OF ACCESS.
5. CONTRACTOR SHALL PROVIDE DETAILS FOR TRAFFIC CONTROL AS REQUIRED BY THE AUTHORITY AND APPLICABLE STATE AND LOCAL AGENCIES AND IN ACCORDANCE WITH THE PLANS. CONTRACTORS SHALL BE GUIDED BY TRAFFIC MANAGEMENT LAYOUTS WHERE PROVIDED FOR SPECIFIC LOCATIONS, AND BY TYPICAL LAYOUTS AT ALL OTHER LOCATIONS.
6. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC DEVICES SHALL BE IN PLACE PRIOR TO THE START OF THE WORK.
7. SAFETY SIGNS PROPOSED FOR LOCATIONS OTHER THAN ERECTED ON TEMPORARY BARRICADES SHALL BE ERECTED ON EXISTING LIGHT POLES, AND SIGN POSTS, AND OTHER EXISTING FEATURES AS APPROVED BY THE AUTHORITY AND APPLICABLE STATE AND LOCAL AGENCIES.
8. LOCATIONS OF SIGNS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. THE CONTRACTOR SHALL INSURE THAT SIGNS ARE PLACED SO THAT MAXIMUM VISIBILITY IS OBTAINED.
9. EXISTING SIGNING WHICH CONFLICTS WITH PROPOSED SIGNING SHALL BE REMOVED AND STACKED OR COVERED AND RESTORED AT THE END OF THE WORK.
10. TEMPORARY CONSTRUCTION SIGNING, BARRICADES AND ALL OTHER NECESSARY WORK ZONE TRAFFIC DEVICES SHALL BE REMOVED FROM THE ROADWAY WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
11. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKINGS, SIGNS AND OTHER TRAFFIC EQUIPMENT REMOVED OR DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN CONFORMANCE WITH THE STANDARDS OF APPLICABLE STATE AND LOCAL AGENCIES.
12. CONTRACTOR SHALL INSTALL, RENEW AND MAINTAIN ALL TRAFFIC CONTROL DEVICES AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS REQUIRED BY APPLICABLE STATE AND LOCAL AGENCIES.
13. ALL CONSTRUCTION SIGNING, DRUMS, BARRICADES, LANE TAPERS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM WITH MUTCD AND "STANDARD HIGHWAY SIGNS" CURRENT EDITION.
14. "FLASHING ARROW PANEL", IF USED, SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE TAPER AS FIELD CONDITIONS WILL ALLOW.
15. 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR PRECAST CONCRETE BARRIER FACING THE TRAVEL LANE.
16. ALL ROADWAY CLOSURE DETAILS SHALL BE SUBMITTED IN WRITING TO THE AUTHORITY 30 DAYS PRIOR TO IMPLEMENTATION AND SHALL BE PRE-APPROVED BY THE AUTHORITY AND APPLICABLE STATE AND LOCAL AGENCIES PRIOR TO IMPLEMENTATION. CHANGES SHALL NOT BE IMPLEMENTED WITHOUT THE APPROVAL OF THE AUTHORITY AND APPLICABLE STATE AND LOCAL AGENCIES.
17. FOR CLOSURES OF DEAD END STREETS, THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTERS AT ALL TIMES.
18. THE CONTRACTOR, THROUGH THE AUTHORITY SHALL NOTIFY APPLICABLE STATE AND LOCAL AGENCIES TWO (2) WEEKS IN ADVANCE OF PLACING TRAFFIC MANAGEMENT SIGNS.
19. CHANNELIZATION WILL BE ACCOMPLISHED THROUGH THE USE OF REFLECTORIZED PLASTIC DRUMS, CONES OR BARRIERS IN ACCORDANCE WITH THE MUTCD.
20. CONTRACTOR SHALL RECORD EXISTING PAVEMENT MARKINGS AND RESTORE ALL PAVEMENT MARKINGS TO EXISTING CONDITIONS AT THE CONCLUSION OF CONSTRUCTION AT EACH LOCATION.
21. THE CONTRACTOR SHALL LOCATE W20-1 SIGNS ALONG THE ROUTE IN ACCORDANCE WITH THE MUTCD DEPENDING ON THE RELATIVE LOCATION OF ADJACENT CONSTRUCTION WORK ZONES.
22. CONTRACTOR SHALL PROVIDE ANY NECESSARY CONSTRUCTION DETAILS FOR TEMPORARY WIDENING (IF USED) TO THE AUTHORITY FOR APPROVAL.
23. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AND EGRESS AT ALL POSTED MBTA BUS STOPS, WHICH MAY BE AFFECTED DURING CONSTRUCTION. THESE AREAS MUST REMAIN ACCESSIBLE TO HANDICAP PERSONS PER ADA REQUIREMENTS. CONTRACTOR MUST COORDINATE WITH THE MBTA BUS OPERATIONS DIVISION FOR ALL ACCESS/EGRESS, TEMPORARY BUS STOP RELOCATIONS.
24. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL SIGNAL EQUIPMENT, INCLUDING CONDUIT AND INDUCTIVE LOOPS, AND MAINTAIN THIS EQUIPMENT THROUGHOUT CONSTRUCTION. ANY DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
25. THE CONTRACTOR SHALL LOCATE ALL PRECAST CONCRETE BARRIERS (IF USED) SO THERE ARE NO EXPOSED BLUNT ENDS WHICH WILL CAUSE HAZARDOUS CONDITIONS TO APPROACHING TRAFFIC. IN SUCH CASES, THE CONTRACTOR SHALL PROVIDE AND LOCATE PRECAST CONCRETE BARRIER TAPERED END SECTIONS TO PROTECT VEHICULAR TRAFFIC AND THE WORK AREA.
26. ALL WORK AREAS SHALL BE SECURED DURING NON-WORK HOURS, AND TRAFFIC PASSAGE PROVIDED AS SPECIFIED BY THE USE OF PLATING OVER EXCAVATIONS, REMOVAL OF UNNECESSARY MATERIALS AND EQUIPMENT, AND BY RESTORATION OF TRAFFIC CONTROLS.
27. ALL TEMPORARY HANDICAP RAMPS SHALL MEET MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) AND AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS.
28. THE FIRST THREE PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH TYPE B WARNING LIGHTS.
29. APPROXIMATE WORK AREA SHALL NOT EXCEED 100' OF OPEN TRENCH AND BUFFER AREAS AT ANY ONE TIME DURING WORK HOURS.
30. IF APPLICABLE, THE CONTRACTOR SHALL COORDINATE WITH ANY ABUTTING PROJECTS.
31. CONTRACTOR SHALL COORDINATE WITH MBTA IF ANY RELOCATIONS OF BUS STOPS ARE REQUIRED.
32. TYPICAL WORK HOURS ARE FROM 9:00 AM TO 4:00 PM UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL RESTORE THE NORMAL TRAFFIC OPERATIONS AT THE END OF EACH WORK DAY.
33. ONE LANE ALTERNATING CAN ONLY BE DVERNIGHT WITH TYPICAL WORK HOURS ARE FROM 9:00 PM TO 4:00 AM UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL RESTORE THE NORMAL TRAFFIC OPERATIONS AT THE END OF EACH WORK DAY.



**TYPICAL CONSTRUCTION ZONE SAFETY PLAN  
ONE LANE ALTERNATING TRAFFIC  
NOT TO SCALE**



**TYPICAL CONSTRUCTION ZONE SAFETY PLAN  
LANE SHIFT ON TWO LANE ROAD  
NOT TO SCALE**

**TRAFFIC CONTROL SETUP PROCEDURES**

THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING POLICE DETAILS. FLAGGERS SHALL NOT BE USED IN PLACE OF POLICE DETAILS.

- THE CONTRACTOR SHALL FOLLOW THE FOLLOWING PROCEDURES FOR THE SETUP OF TRAFFIC CONTROL:
1. USE A MOBILE TRUCK WITH A FLASHING ARROW PANEL SET TO CAUTION MODE AS A SHADOW VEHICLE BEHIND WORKERS OR WORK VEHICLES.
  2. INSTALL TRAFFIC CONTROL SIGNS ON THE SIDE OF THE ROADWAY.
  3. USE TRAFFIC CONTROLLER AT BEGINNING OF LOCATION FOR TRAFFIC CONTROL DEVICES.
  4. SETUP TRAFFIC CONTROL DEVICES IN ROADWAY INCLUDING BUT NOT LIMITED TO TRAFFIC CONES, DRUMS, ARROW PANELS, ETC.

**TRAFFIC DEVICE LEGEND**

- ▭ WORK AREA
- REFLECTORIZED DRUM
- ➔ PROPOSED VEHICULAR TRAFFIC FLOW
- ➔ EXISTING VEHICULAR TRAFFIC FLOW
- ⊕ SIGN
- Ⓟ POLICE OFFICER
- Ⓡ FLAGGER
- EXISTING PAVEMENT MARKINGS
- ▭ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- TYPE III BARRICADE
- ➔ DETOUR ROUTE

NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-1,2 - Typical
ACCESSION NO. : 523,265	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: WW/AA
SCALE: AS NOTED	DRAWN BY: EAV
	CHECKED BY: SMS
	APPROVED BY: PAR

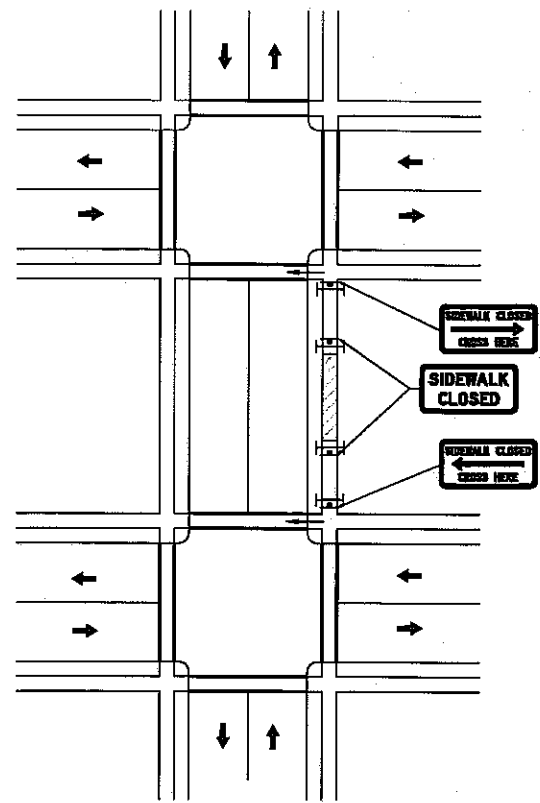


**MASSACHUSETTS WATER RESOURCES AUTHORITY**

PREPARED BY: **GREEN INTERNATIONAL AFFILIATES, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 239 LITTLETON ROAD, SUITE 3  
 WESTFORD, MASSACHUSETTS

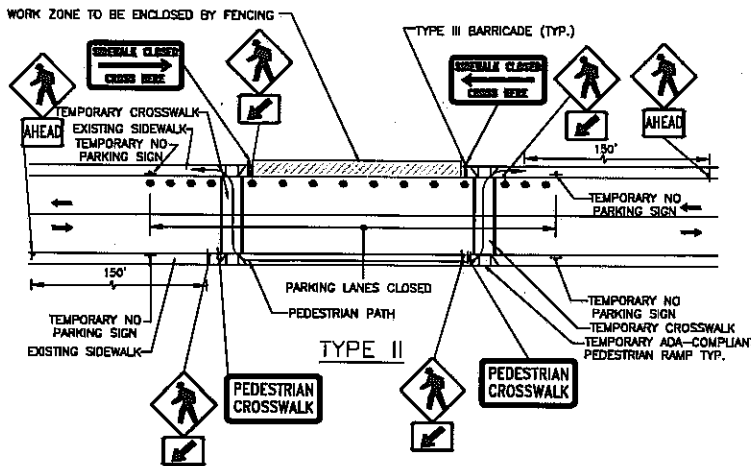
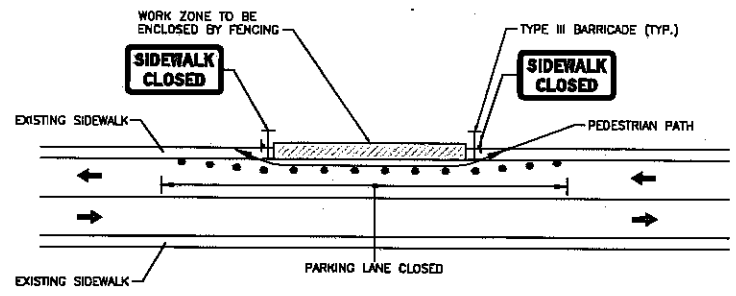
**WATERTOWN SECTION REHABILITATION**

**CONSTRUCTION ZONE SAFETY PLAN  
TYPICAL DETAILS 1**



NOTE:  
 1. CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN. VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE.  
 2. FOR GENERAL NOTES AND LEGENDS, SEE SHEET CZSP-1.

**TYPICAL CONSTRUCTION PATTERN AND CONSTRUCTION SIGNING FOR PEDESTRIAN SIDEWALK CLOSURE**  
 NOT TO SCALE

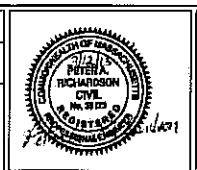


NOTE:  
 1. CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN. VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE.  
 2. FOR GENERAL NOTES AND LEGENDS, SEE SHEET CZSP-1.

**TYPICAL CONSTRUCTION PATTERN AND CONSTRUCTION SIGNING FOR SIDEWALK CLOSURE AND BYPASS**  
 NOT TO SCALE

NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-1,2 - Typical
ACCESSION NO. : 523,267	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: WW/AA
SCALE: AS NOTED	DRAWN BY: EAY
	CHECKED BY: SMS
	APPROVED BY: PAR



MASSACHUSETTS WATER RESOURCES AUTHORITY

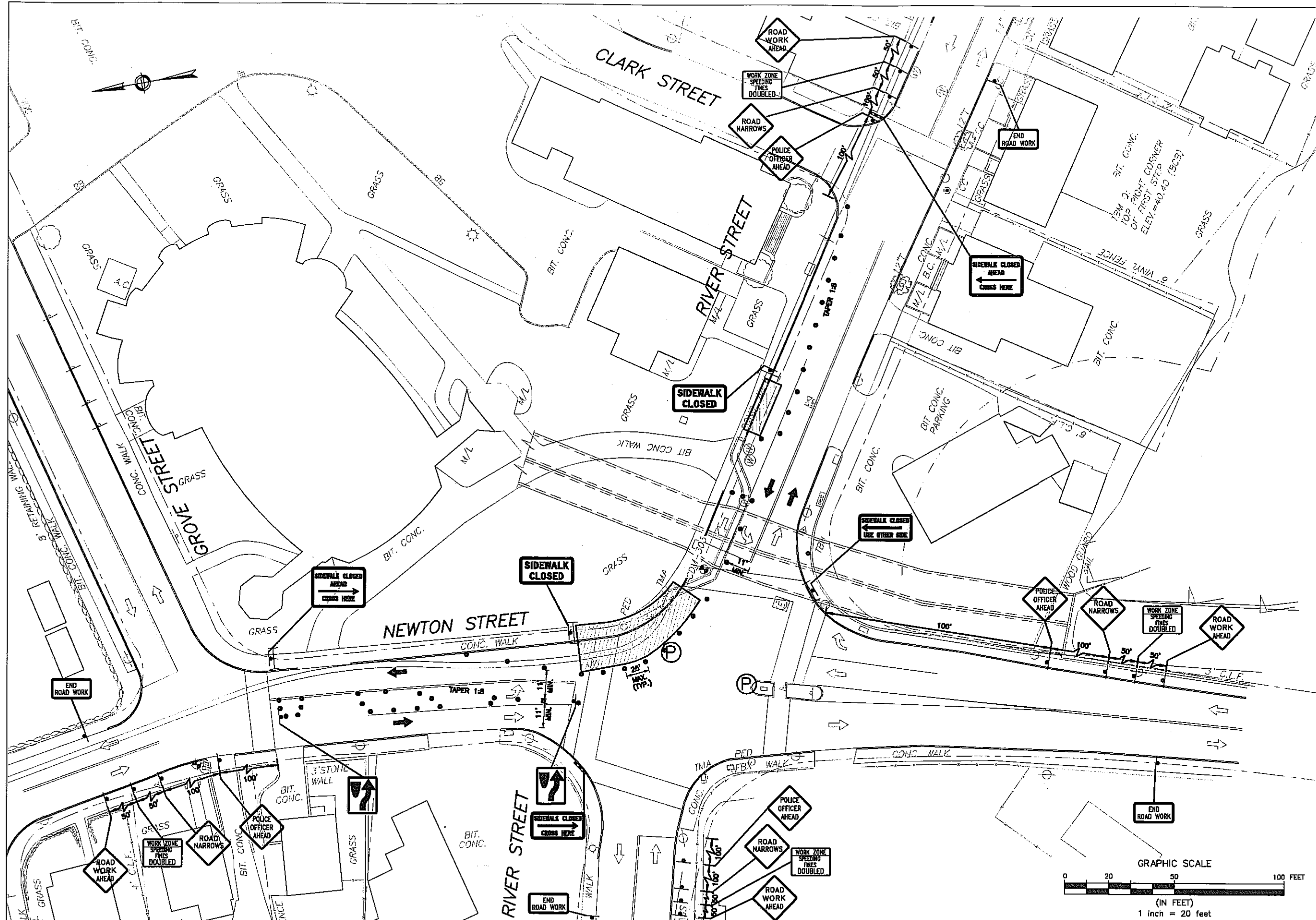
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WATERTOWN SECTION REHABILITATION

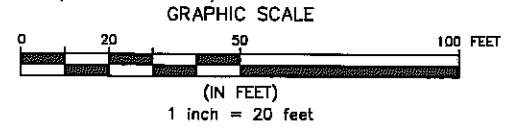
CONSTRUCTION ZONE SAFETY PLAN  
 TYPICAL DETAILS 2

DRAWING NO. CZSP-2

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- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 9:00 AM TO 4:00 PM.
  3. TRAFFIC SIGNALS SHALL BE SET TO FLASHING OPERATION DURING WORK HOURS.
  4. TRAFFIC SIGNALS SHALL BE RESTORED TO NORMAL OPERATION DURING NON-WORK HOURS.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-3
ACCESSION NO. : 523,288	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: KK
SCALE: AS NOTED	DRAWN BY: KK
	CHECKED BY: WCW
	APPROVED BY: PAR

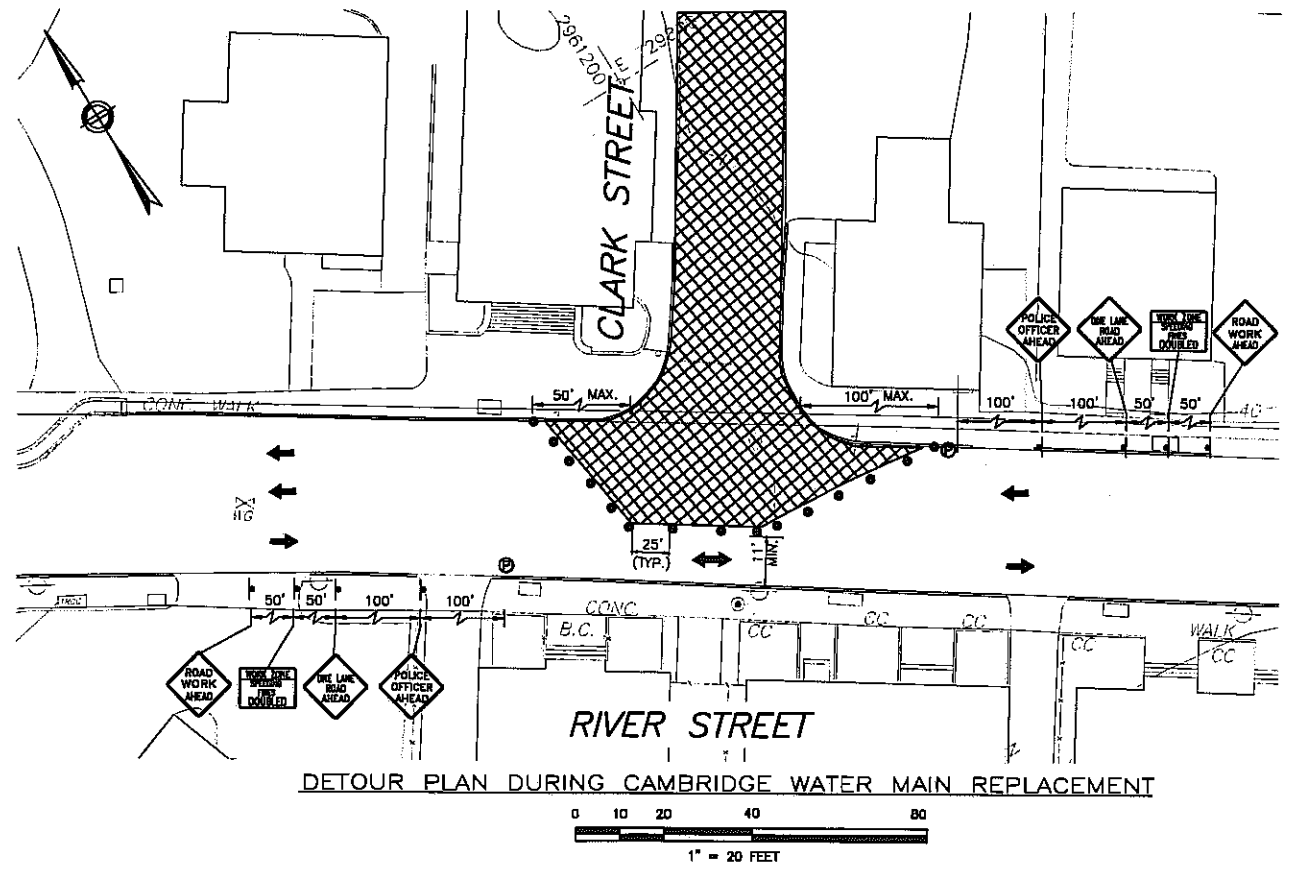
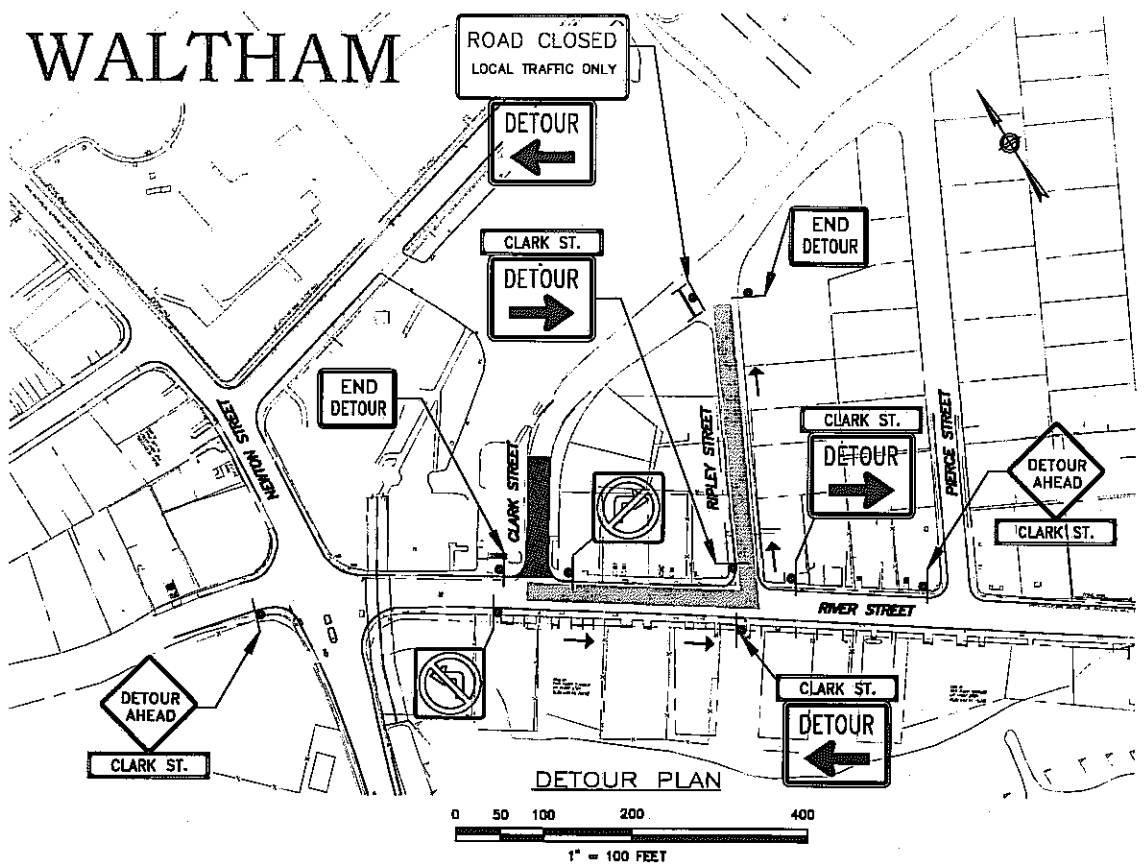
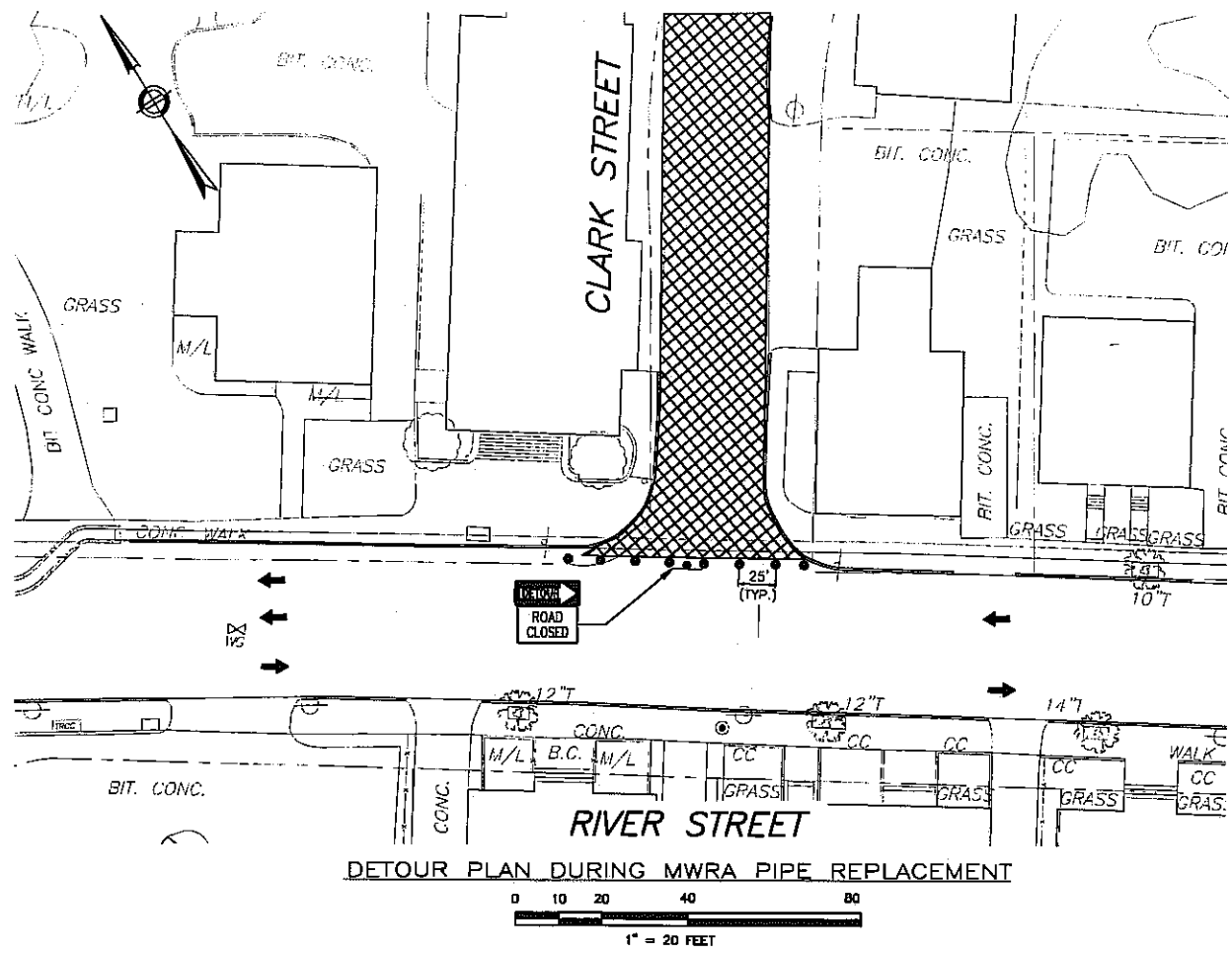


MASSACHUSETTS WATER RESOURCES AUTHORITY

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WATERTOWN SECTION REHABILITATION

CONSTRUCTION ZONE SAFETY PLAN  
 NEWTON STREET AND RIVER STREET



**NOTES:**

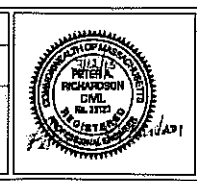
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
2. FOR TYPICAL CZSP DETAILS, SEE SHEET CZSP-1 AND CZSP-2.
3. FOR DETOUR AND ADDITIONAL SIGNAGE REQUIREMENTS SEE DETOUR PLAN ON THIS SHEET.
4. SCHEDULE THE CONSTRUCTION WORK TO PROVIDE PHASED WORK ZONES SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED ALONG AT LEAST ONE SIDE OF RIVER STREET DURING WORK HOURS. REFER TO SHEET CZSP-2 FOR TYPICAL PEDESTRIAN DETOUR DETAILS.
5. ALL SIDEWALK ADJACENT TO EXCAVATION SHALL BE PROTECTED BY SAFETY FENCE FOR THE ENTIRE LENGTH OF WORK ZONE.
6. ACCESS TO ABUTTERS WITHIN THE WORK ZONE SHALL BE MAINTAINED AT ALL TIMES.
7. RESTORE NORMAL TRAFFIC PASSAGE, ON STREET PARKING, PEDESTRIAN ACCESS, AND TRAFFIC CONTROL AT THE END OF EACH WORK DAY. PROVIDE STEEL PLATING OVER EXCAVATION FLUSH WITH EXISTING GRADE.
8. CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS FROM THE ROADWAY AT THE END OF EACH WORK DAY.

**LEGEND:**

- DETOUR ROUTE
- ROAD CLOSURE

NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-4
ACCESSION NO. : 523,269	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: EAV
SCALE: AS NOTED	DRAWN BY: EAV
	CHECKED BY: AA
	APPROVED BY: PAR



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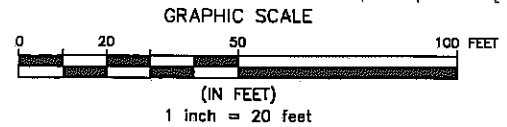
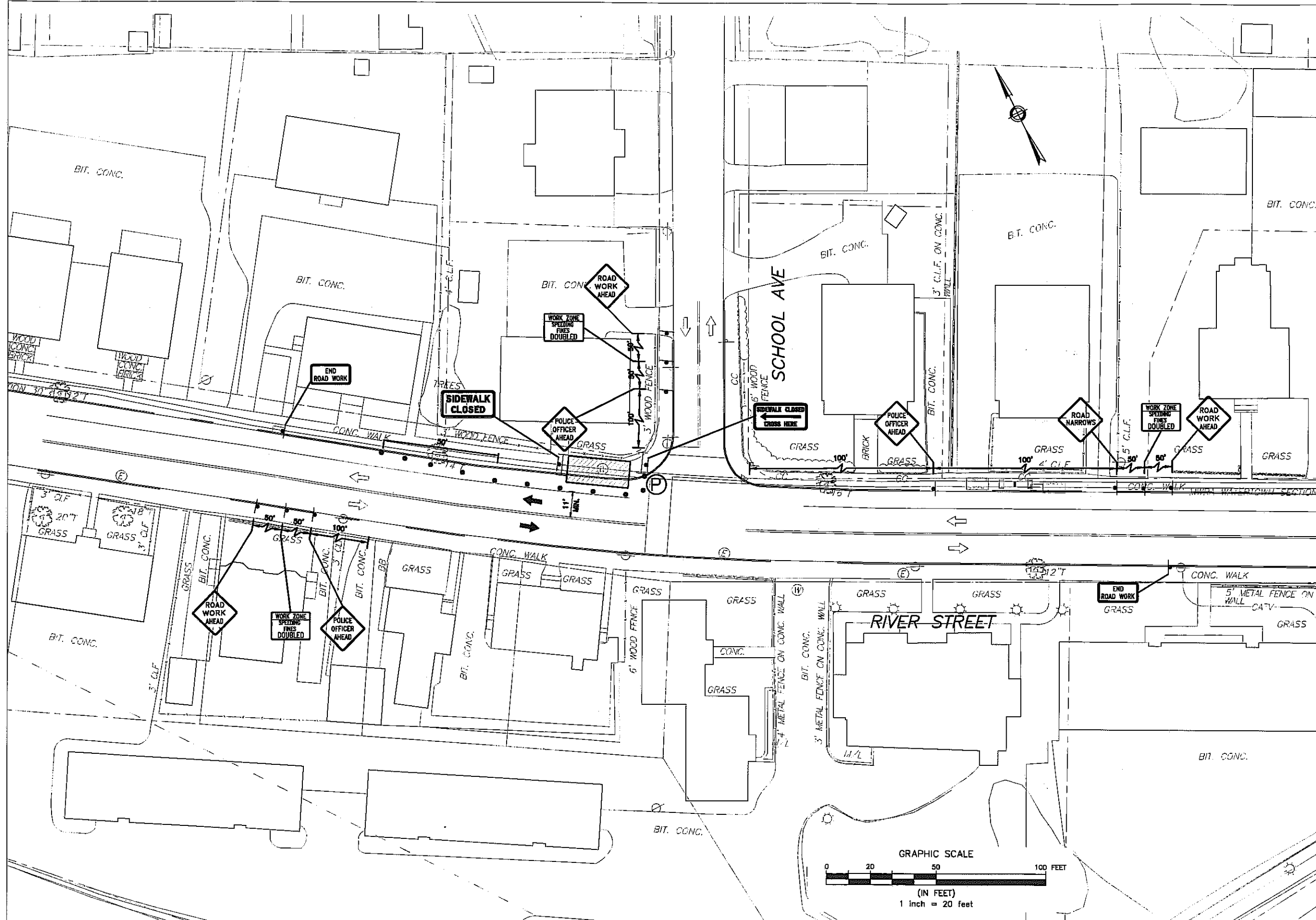
WATERTOWN SECTION REHABILITATION

CONSTRUCTION ZONE SAFETY PLAN  
RIVER STREET AND CLARK STREET

DRAWING NO. CZSP-4

23 of 29

- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. PROVIDE PEDESTRIAN DETOUR AS SHOWN ON THE PEDESTRIAN DETOUR DETAIL ON SHEET CZSP-2.
  3. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 9:00 AM TO 4:00 PM.
  4. TRAFFIC SIGNALS SHALL BE SET TO FLASHING OPERATION DURING WORK HOURS.
  5. TRAFFIC SIGNALS SHALL BE RESTORED TO NORMAL OPERATION DURING NON-WORK HOURS.
  6. ALL SIDEWALK ADJACENT TO EXCAVATION SHALL BE PROTECTED BY SAFETY FENCE FOR THE ENTIRE LENGTH OF WORK ZONE.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-5
ACCESSION NO. : 523,270	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: KK
SCALE: AS NOTED	DRAWN BY: KK
	CHECKED BY: WCW
	APPROVED BY: PAR



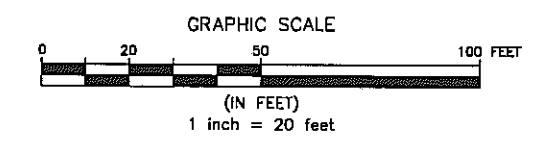
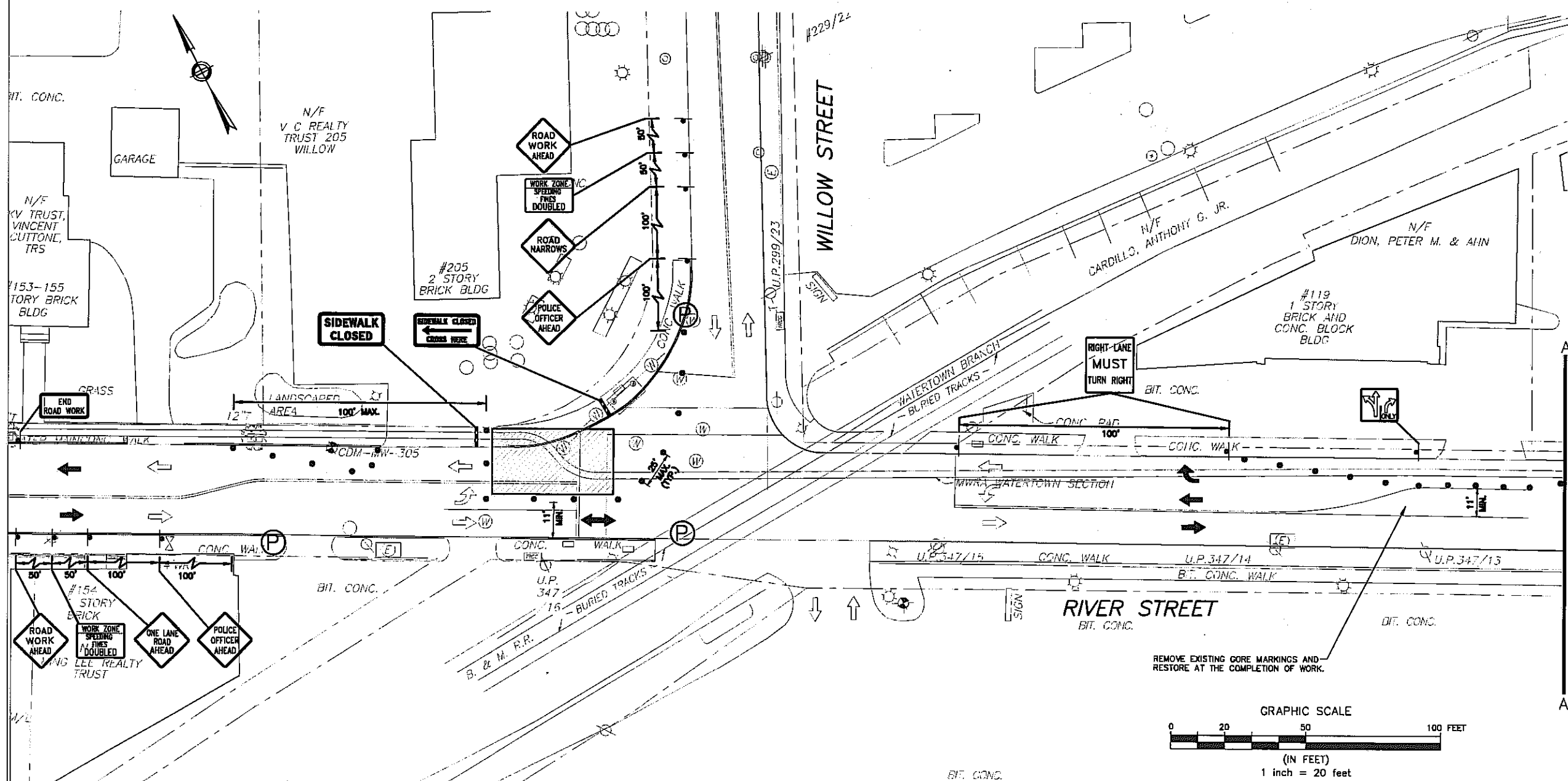
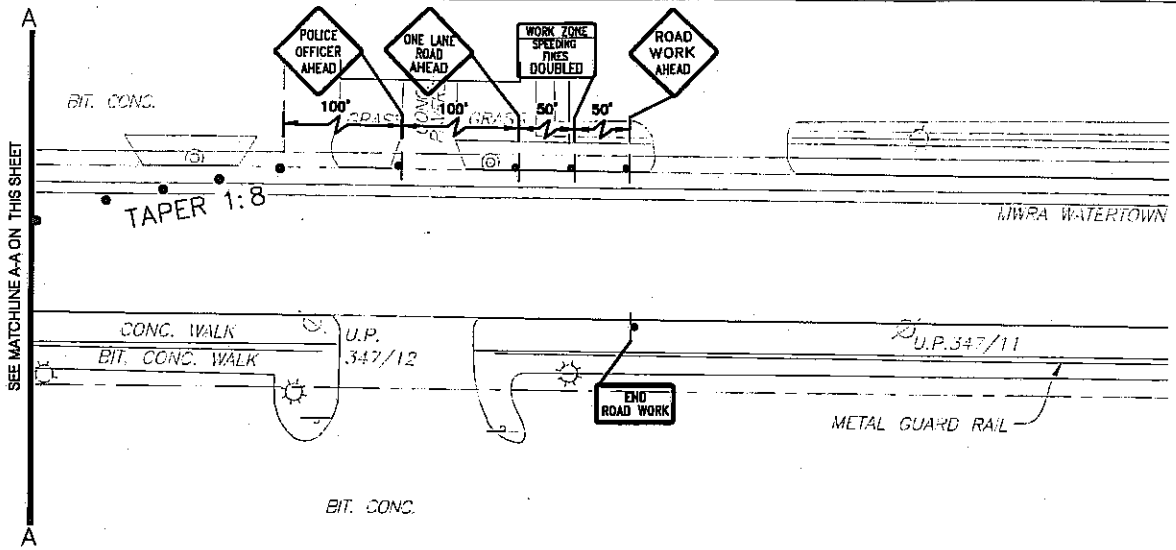
MASSACHUSETTS WATER RESOURCES AUTHORITY

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 WESTFORD, MASSACHUSETTS

WATERTOWN SECTION REHABILITATION

CONSTRUCTION ZONE SAFETY PLAN  
 RIVER STREET AND SCHOOL AVENUE

- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. PROVIDE PEDESTRIAN DETOUR AS SHOWN ON THE PEDESTRIAN DETOUR DETAIL ON SHEET CZSP-2.
  3. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 9:00 PM TO 5:00 AM.
  4. TRAFFIC SIGNALS SHALL BE SET TO FLASHING OPERATION DURING WORK HOURS.
  5. TRAFFIC SIGNALS SHALL BE RESTORED TO NORMAL OPERATION DURING NON-WORK HOURS.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-6
ACCESSION NO. : 523,271	SECTION NO. : WATER TOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: KK
SCALE: AS NOTED	DRAWN BY: KK
	CHECKED BY: WCW
	APPROVED BY: PAR



MASSACHUSETTS WATER RESOURCES AUTHORITY

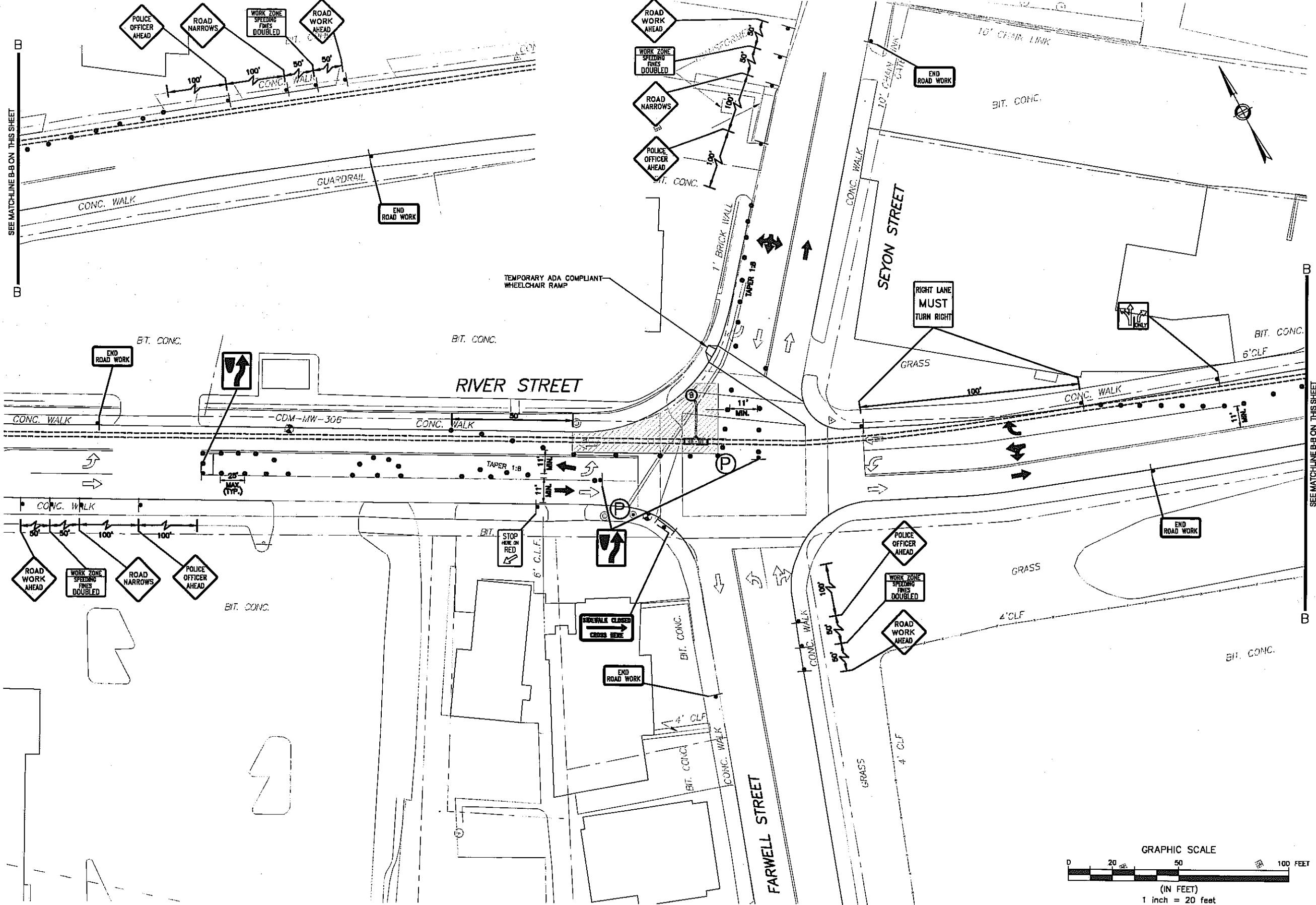
PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC.  
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239 LITTLETON ROAD, SUITE 3  
WESTFORD, MASSACHUSETTS

WATER TOWN SECTION REHABILITATION

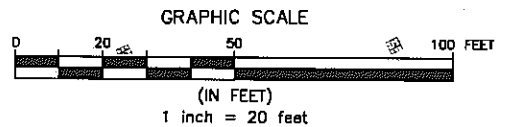
CONSTRUCTION ZONE SAFETY PLAN  
RIVER STREET AND WILLOW STREET

DRAWING NO. CZSP-6

25 OF 29



- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. PROVIDE PEDESTRIAN DETOUR AS SHOWN ON THE PEDESTRIAN DETOUR DETAIL ON SHEET CZSP-2.
  3. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 8:00 PM TO 5:00 AM.
  4. TRAFFIC SIGNALS SHALL BE SET TO FLASHING OPERATION DURING WORK HOURS.
  5. TRAFFIC SIGNALS SHALL BE RESTORED TO NORMAL OPERATION DURING NON-WORK HOURS.
  6. ALL SIDEWALK ADJACENT TO EXCAVATION SHALL BE PROTECTED BY SAFETY FENCE FOR THE ENTIRE LENGTH OF WORK ZONE.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222  
 CAD FILE NO. : CZSP-7  
 ACCESSION NO. : 523,272  
 SECTION NO. : WATERTOWN SECTION  
 DATE: MARCH, 2013  
 DESIGNED BY: AA  
 DRAWN BY: EAV  
 CHECKED BY: WCV/AA  
 APPROVED BY: PAR  
 SCALE: AS NOTED

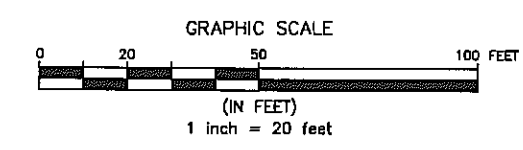
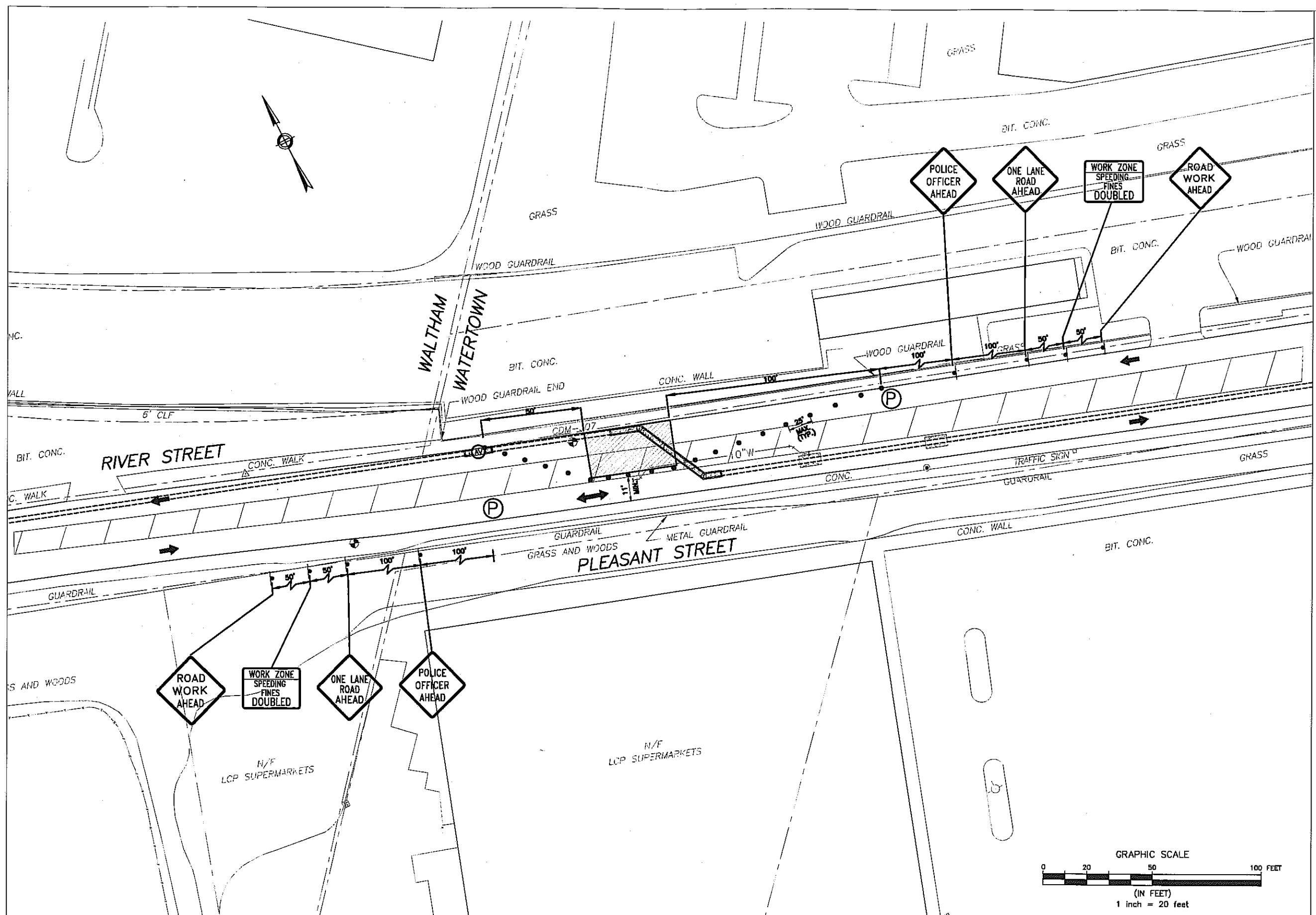


MASSACHUSETTS WATER RESOURCES AUTHORITY  
 PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC.  
 CIVIL & STRUCTURAL ENGINEERS  
 239 LITTLETON ROAD, SUITE 3  
 WESTFORD, MASSACHUSETTS

WATERTOWN SECTION REHABILITATION  
 CONSTRUCTION ZONE SAFETY PLAN  
 RIVER STREET AND SEYON STREET

DRAWING NO.  
 CZSP-7  
 26 of 29

- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. PROVIDE PEDESTRIAN DETOUR AS SHOWN ON THE PEDESTRIAN DETOUR DETAIL ON SHEET CZSP-2.
  3. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 9:00 PM TO 5:00 AM.
  4. ALL SIDEWALK ADJACENT TO EXCAVATION SHALL BE PROTECTED BY SAFETY FENCE FOR THE ENTIRE LENGTH OF WORK ZONE.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-8.2
ACCESSION NO. : 523,273	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: AA
SCALE: AS NOTED	DRAWN BY: EAV
	CHECKED BY: WCV/AA
	APPROVED BY: PAN



MASSACHUSETTS WATER RESOURCES AUTHORITY

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 CIVIL & STRUCTURAL ENGINEERS  
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 WESTFORD, MASSACHUSETTS

WATERTOWN SECTION REHABILITATION

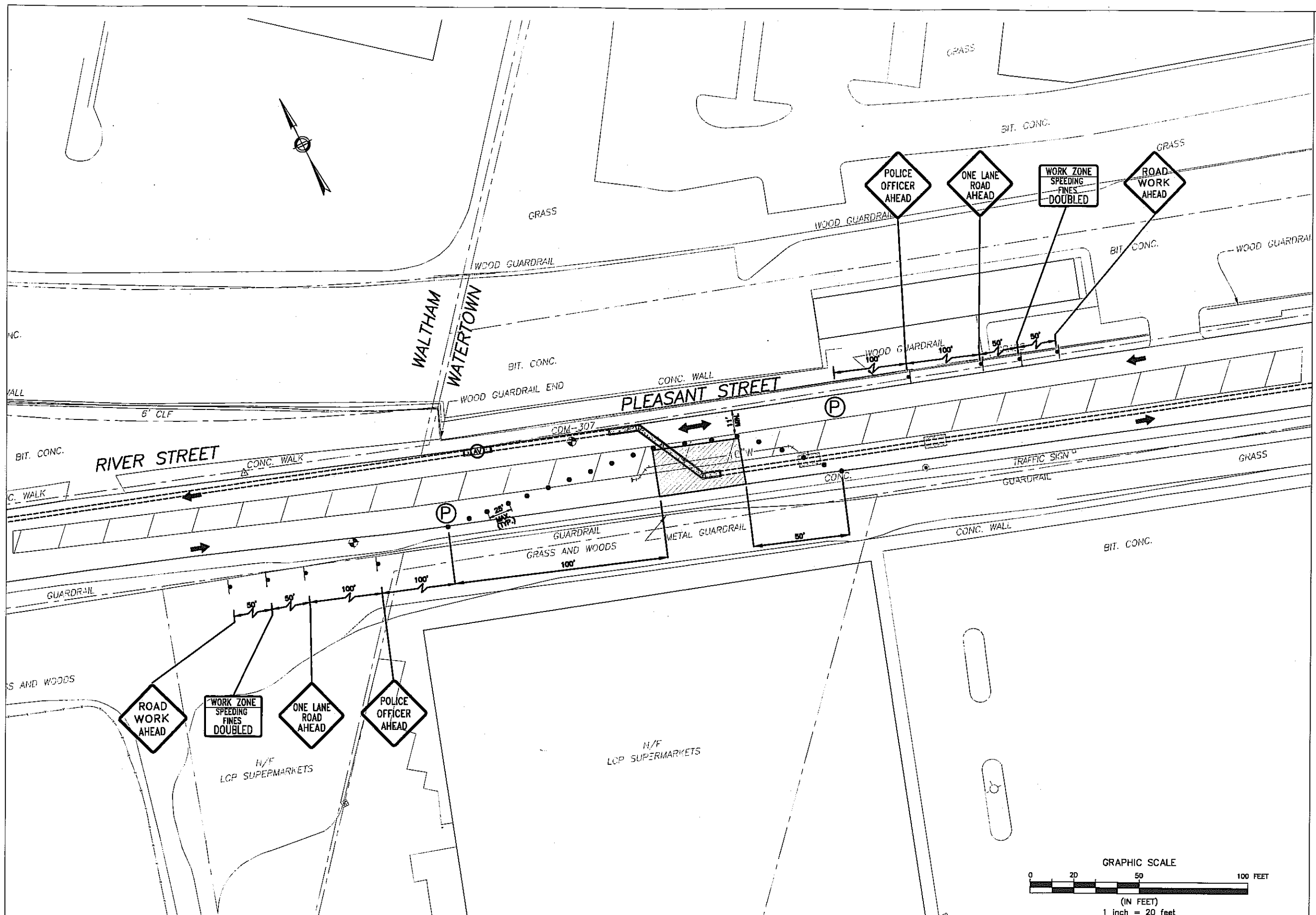
CONSTRUCTION ZONE SAFETY PLAN  
 PLEASANT STREET NEAR WALTHAM CITY LINE  
 PHASE 1

DRAWING NO. CZSP-8

27 of 29



- NOTES:
1. FOR GENERAL CZSP NOTES AND LEGEND, SEE SHEET CZSP-1.
  2. PROVIDE PEDESTRIAN DETOUR AS SHOWN ON THE PEDESTRIAN DETOUR DETAIL ON SHEET CZSP-2.
  3. WORK SHOWN ON THIS PLAN SHALL BE PERFORMED FROM 9:00 PM TO 5:00 AM.
  4. ALL SIDEWALK ADJACENT TO EXCAVATION SHALL BE PROTECTED BY SAFETY FENCE FOR THE ENTIRE LENGTH OF WORK ZONE.



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-6.9
ACCESSION NO. : 523,274	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: AA
SCALE: AS NOTED	DRAWN BY: EAV
	CHECKED BY: WCV/AA
	APPROVED BY: PAR



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY: GREEN INTERNATIONAL AFFILIATES, INC.  
 CIVIL & STRUCTURAL ENGINEERS  
 239 LITTLETON ROAD, SUITE 3  
 WESTFORD, MASSACHUSETTS

WATERTOWN SECTION REHABILITATION

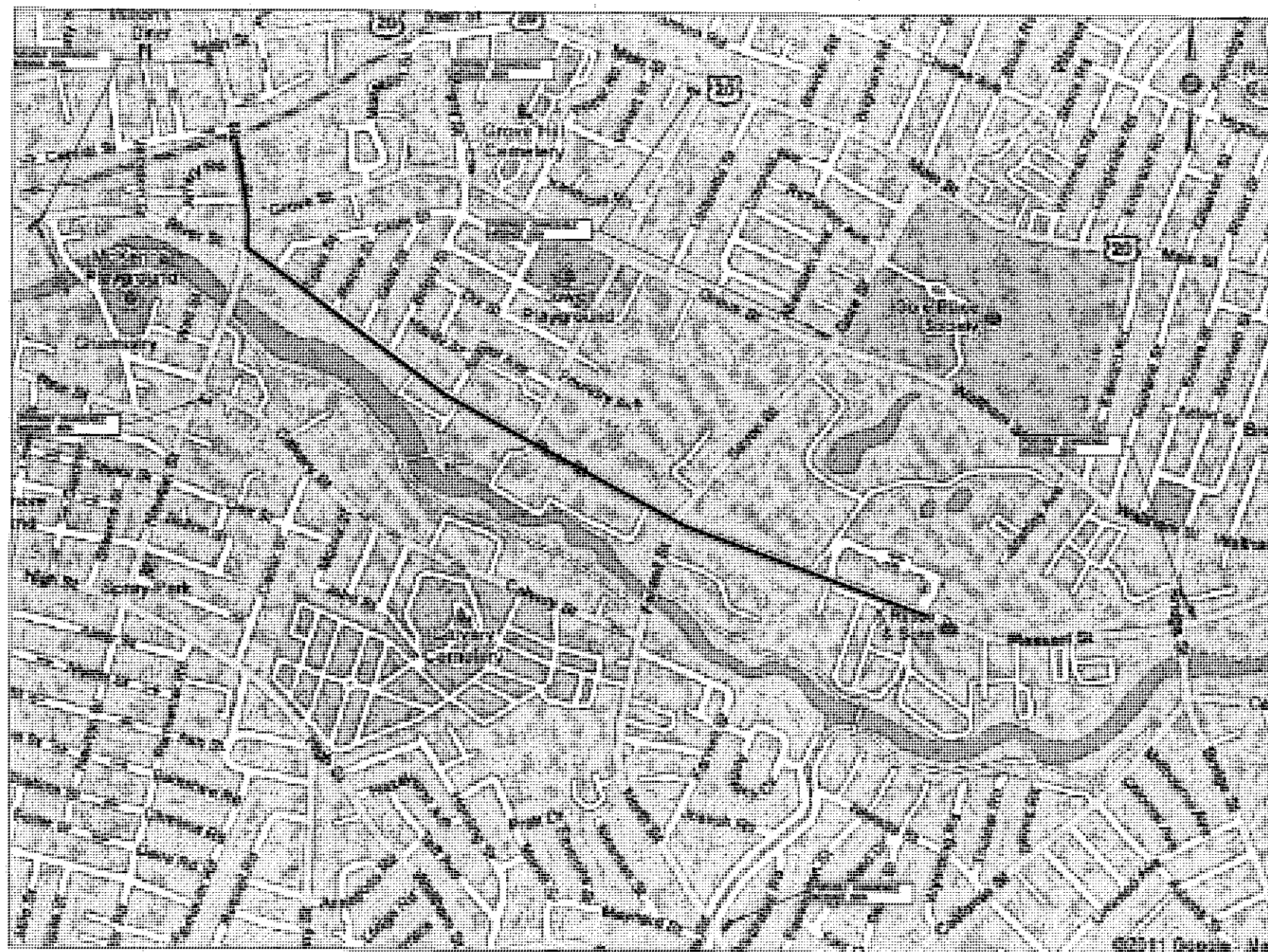
CONSTRUCTION ZONE SAFETY PLAN  
 PLEASANT STREET NEAR WALTHAM CITY LINE  
 PHASE 2

DRAWING NO. CZSP-9

28 OF 29

NOTES:

1. CONTRACTOR TO PROVIDE THREE (3) ADDITIONAL PORTABLE CHANGEABLE MESSAGE SIGNS TO BE UTILIZED AS DIRECTED BY THE AUTHORITY IN ACCORDANCE WITH SECTION 01620. THESE ARE IN ADDITION TO THOSE SHOWN ON THIS SHEET.



PORTABLE CHANGEABLE MESSAGE SIGN LOCATION DURING CONSTRUCTION

NOTE:  
PORTABLE CHANGEABLE MESSAGE SIGNS SHALL READ:

PHASE I                      PHASE II

UTILITY  
WORK AT  
RIVER ST

SEEK  
ALTERNATE  
ROUTES

— LIMIT OF WORK

NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 7222	CAD FILE NO. : CZSP-10
ACCESSION NO. : 523,275	SECTION NO. : WATERTOWN SECTION
DATE: MARCH, 2013	DESIGNED BY: TJR/EAV
SCALE: NOT TO SCALE	DRAWN BY: TJR/EAV
	CHECKED BY: SMS
	APPROVED BY: PAR



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CONSTRUCTION ZONE SAFETY PLAN  
ALTERNATIVE ROUTE SIGNS

DRAWING NO.

CZSP-10

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