

# CITY OF MERIDEN

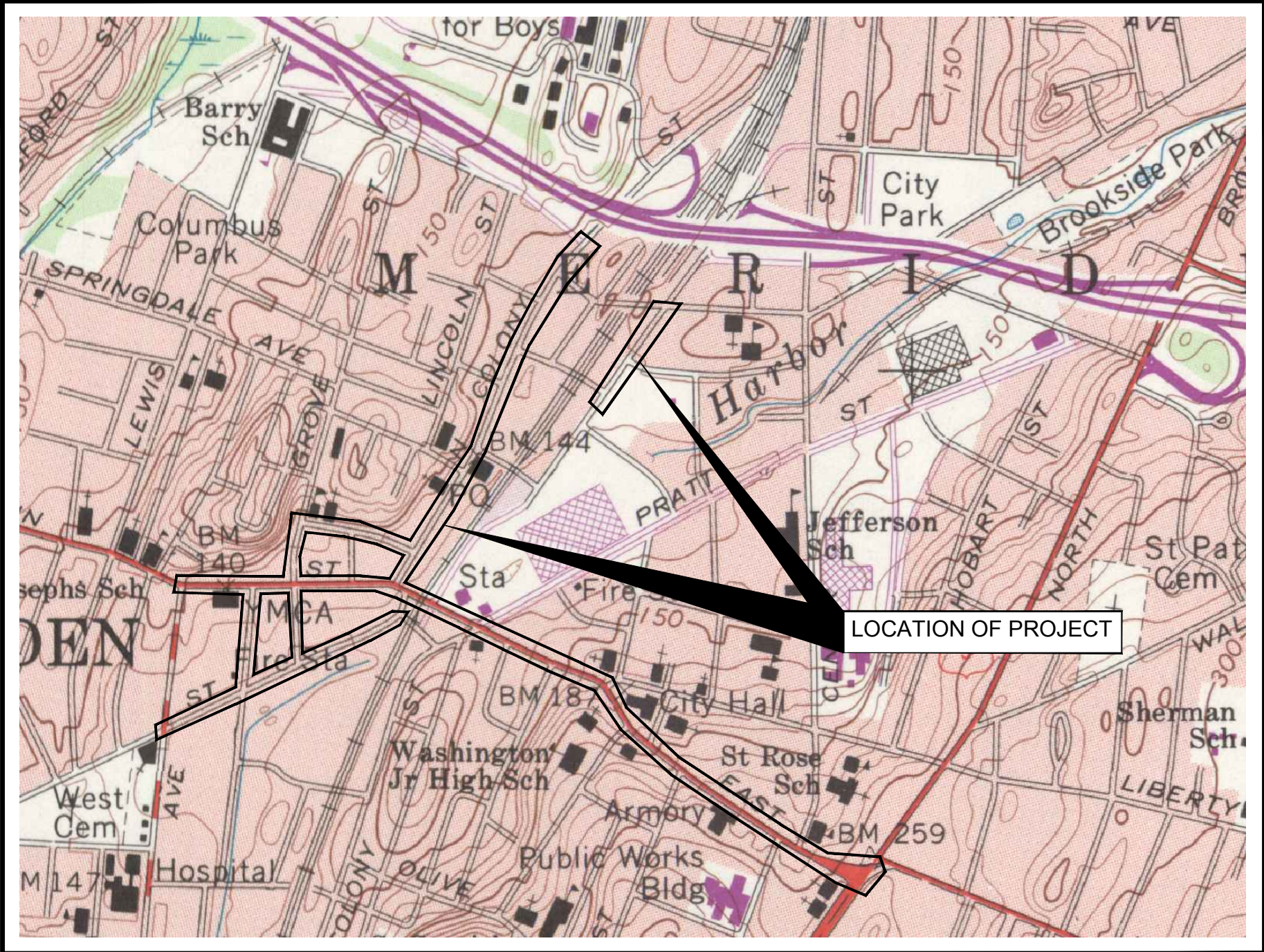
## 2019 LOTCIP

PAVEMENT REHABILITATION  
West Main Street, Grove Street, South Grove Street,  
East Main Street, Colony Street, State Street, Church  
Street, Butler Street and Hanover Street

Project No. L079-0002

Construction Documents  
December 2020

THE HONORABLE KEVIN SCARPATI, MAYOR



PROJECT VICINITY MAP  
NOT TO SCALE

LIST OF DRAWINGS		
SHEET NO.	TITLE	DRAWING
1	TITLE SHEET	TITLE
2	GENERAL NOTES AND TYPICAL ROADWAY SECTION	GEN-01
3	SHEET INDEX	IND-01
4-8	ROADWAY PLANS	HWY-01 TO HWY-05
9	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN	MPT-01
10	PROPOSED BUS PULL OFF AT #69 EAST MAIN STREET	
CITY OF MERIDEN STANDARD DRAWINGS		DATE
1 OF 1	PAVEMENT STANDARDS	02/13/2019
1 OF 1	SIDEWALK AND DRIVEWAY STANDARDS	02/20/2019
CTDOT STANDARD DRAWINGS		DATE
INDEX, 1-10	CONCRETE SIDEWALK RAMP(S) GUIDE SHEETS	2019
TR-1210-3	SPECIAL DETAILS & PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS	2014

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA.  
APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF  
THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

SUBMITTED BY: HOWARD WEISSBERG, P.E.

APPROVAL BY DIRECTOR OF PUBLIC WORKS: - HOWARD WEISSBERG, P.E.

APPROVAL BY CITY MANAGER, CITY OF MERIDEN - TIMOTHY COON

### GENERAL NOTE:

FOR CONSTRUCTION SPECIFICATIONS REFER TO CONNECTICUT DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS FOR ROADS, BRIDGES , FACILITIES AND INCIDENTAL CONSTRUCTION FORM 818  
(2020) AND SPECIAL PROVISIONS.

### DISCLAIMER:

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING  
RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE CITY OF MERIDEN.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS  
ARE NOT AUTHORIZED BY THE CITY TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM  
DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION

TITLE

1



**CARDINAL**  
ENGINEERING ASSOCIATES

3 Colony Street | Meriden, CT 06451 | 203-238-1969



1. THE INFORMATION SHOWN ON DRAWINGS/SKETCHES SUPPLIED BY THE CITY OF MERIDEN PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION REPRESENTS THE LOCATION OF UNDERGROUND UTILITIES OWNED BY THE CITY OF MERIDEN, TO THE BEST OF ITS KNOWLEDGE. THE USERS OF THESE DOCUMENTS ARE RESPONSIBLE FOR THE INTERPRETATION OF THIS INFORMATION AND SHALL DESIGN THEIR WORK ACCORDINGLY. THE ACTUAL LOCATION OF THE MUNICIPAL UTILITIES MUST BE VERIFIED BY THE CONTRACTOR. THE CITY OF MERIDEN SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGES OR CLAIMS THAT ARISE FROM THE USE OF THESE DRAWINGS/SKETCHES.
2. THE CONTRACTOR MUST CONTACT "CALL BEFORE YOU DIG", 1-800-922-4455 FOR LOCATION AND MARKING OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. PERMITS WILL NOT BE ISSUED UNTIL THE CONTRACTOR HAS A VALID "CALL BEFORE YOU DIG" NUMBER.
3. ALL PROPERTY OWNERS AFFECTED BY THE WORK MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. PERMITTEE MUST CONTACT THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION AT (203) 37-3202 OR (203) 630-4019 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION. FAILURE TO DO SO MAY RESULT IN SHUT DOWN OF ACTIVITIES. PUBLIC WORKS CONSTRUCTION INSPECTION MUST INSPECT AND APPROVE ALL PERMITTED WORK. WORK WILL NOT BE ACCEPTED NOR WILL ANY BONDS BE RELEASED WITHOUT INSPECTION AND APPROVAL.
5. CONTRACTOR IS RESPONSIBLE TO PROTECT THE CITY'S INFRASTRUCTURE. CLAIMS OF DAMAGE REMAIN WITH CONTRACTOR FOR REPAIR.
6. ANY EXCAVATION WITHIN THE DRIP LINE OF TREES WITHIN THE CITY'S RIGHT OF WAY MUST RECEIVE CITY TREE WARDEN APPROVAL PRIOR TO BEGINNING WORK. CONTACT THE CITY PARKS DEPARTMENT – 460 LIBERTY STREET, TELEPHONE NUMBER (203) 630-4259. NO TREES SHALL BE REMOVED WITHIN CITY ROW WITHOUT PERMISSION OF THE CITY TREE WARDEN. TREE APPLICATIONS MUST BE FILED WITH THE CITY PARKS DEPARTMENT. 21 DAYS' ADVANCE NOTICE REQUIRED.

1. UNIFORMED CITY OF MERIDEN POLICE OFFICER(S) TO PROVIDE TRAFFIC CONTROL WHEN REQUIRED. POLICE SCHEDULING CAN BE REACHED AT 203-630-6305.
2. CONTRACTOR MUST RESTORE PAVEMENT MARKINGS DISTURBED BY THE CONSTRUCTION IMMEDIATELY UPON COMPLETION OF THE WORK IN MATERIALS SUITABLE TO DPW – TRAFFIC DIVISION. TEMPORARY TAPE, IF USED, MUST BE MAINTAINED IN GOOD CONDITION UNTIL THE PERMANENT MARKINGS ARE PLACED. ALL TEMPORARY TRAFFIC CONTROL DEVICES MUST CONFORM TO THE STANDARDS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND THE CITY OF MERIDEN.

1. ALL WORK MUST CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAILS. CONDOT FORM 818 SPECIFICATIONS AND DETAILS ARE TO BE USED IF CITY DETAILS AND SPECIFICATIONS ARE NOT AVAILABLE. THIS INCLUDES, BUT IS NOT LIMITED TO: TRENCH BACKFILL MATERIALS; PAVEMENT REPAIR; CURB REPLACEMENTS; AND CITY SIDEWALKS.
2. EXISTING CURBING, SIDEWALKS, PAVEMENT AND RELATED INFRASTRUCTURE SHALL BE REPAIRED, IN-KIND, AT NO COST TO THE CITY SHOULD THESE BE DAMAGED DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCHES PENDING PERMANENT PAVEMENT REPAIR. FAILURE TO DO SO MAY RESULT IN FORFEITURE OF RIGHT-OF-WAY LICENSE FEE.
4. PAVEMENT REPAIR IS CONSIDERED TEMPORARY UNTIL A PERMANENT PATCH IS INSTALLED PER ENGINEERING STANDARD DETAILS. ONE WINTER IS REQUIRED BEFORE THE PERMANENT PATCH CAN BE INSTALLED. PERMANENT PATCH MUST BE IN PLACE FOR AT LEAST ONE YEAR PRIOR TO BOND RELEASE.
5. SIDEWALK REPAIR AND REPLACEMENT MUST BE IN PLACE FOR ONE YEAR PRIOR TO BOND RELEASE.
6. SIDEWALK CONTRACTORS MUST BE APPROVED BY THE CITY PRIOR TO PLACING SIDEWALK WITHIN RIGHT OF WAY. SAMPLES OF PAST WORK ARE REQUIRED.
7. FINAL ASPHALT REPAIR AND/OR REPLACEMENT MUST BE COORDINATED AND APPROVED BY ENGINEERING.
8. PRIOR TO PLACEMENT OF CONCRETE, PERMITTEE MUST CONTACT PUBLIC WORKS CONSTRUCTION INSPECTION AT (203) 537-3202 OR (203) 630-4019 FOR FORM INSPECTION.
9. EROSION AND SEDIMENT CONTROLS MUST COMPLY WITH THE LATEST SEDIMENT AND EROSION CONTROL MANUAL PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.

1. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AS-BUILTS ON ALL WORK, INCLUDING TIES TO ALL NEW OR MODIFIED UTILITIES. BONDS WILL NOT BE RELEASED UNTIL AS-BUILT INFORMATION IS SUBMITTED AND APPROVED BY ENGINEER.
2. ALL SURVEY MONUMENTS TO BE LEFT UNDISTURBED. IF DISTURBANCE IS NECESSARY, CITY OF MERIDEN ENGINEERING SURVEY PARTY TO BE CONTACTED PRIOR TO WORK. RESETTling OF SURVEY MONUMENTS MUST BE PERFORMED BY CT LICENSED SURVEYOR.
3. CONTRACTOR MAY NOT BEGIN WORK UNTIL EXISTING MONUMENTATION IS DOCUMENTED BY CITY OF MERIDEN ENGINEERING SURVEY PARTY.

1. EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE BASED ON THE CITY OF MERIDEN GIS MAPPING. NO FIELD SURVEY WAS PERFORMED AS PART OF THIS PROJECT. CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BIDDING AND NOTIFY THE CITY OF MERIDEN DPW OF ANY VARIANCES OR DISCREPANCIES..

1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE UTILITY COMPANIES (CITY OF MERIDEN, EVERSOURCE - GAS, EVERSOURCE - ELECTRIC, FRONTIER, COX CABLE, ETC.). THE CITY OF MERIDEN WILL ADJUST SANITARY SEWER AND STORM DRAINAGE STRUCTURES AS REQUIRED. CONTRACTOR SHALL ADJUST WATER VALVE COVERS AS REQUIRED.
2. CONTRACT CALL-BEFORE-YOU-DIG (800-922-4455) AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION AND AS EACH UTILITY IS TO BE INSTALLED.
3. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY UTILITY LOCATION, DEPTH, SIZE AND CONDITION PRIOR TO THE START OF WORK. TEST PITS MAY BE REQUIRED AND ARE TO BE INCLUDED IN THE BASE BID.
4. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF FIELD CONDITIONS DIFFER THAN AS SHOWN ON THESE PLANS.

- A. ALL PROPOSED CONSTRUCTION IS TO BE COMPLETED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. NO CHANGES TO THE PROPOSED CONSTRUCTION SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.
- B. EXISTING BITUMINOUS CONCRETE OR CONCRETE SIDEWALK TO BE REMOVED SHALL BE SAW CUT AS REQUIRED IN THE LOCATIONS SHOWN ON THE DRAWINGS AND NEW WORK SHALL MATCH THE EXISTING GRADES AND SLOPES.
- C. ALL DISTURBED AREAS WITHIN THE CONTRACT LIMITS OTHER THAN PAVED AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL AND BE SEEDED UNLESS OTHERWISE NOTED ON THE LANDSCAPING PLANS.
- D. THE CONTRACTOR SHALL INSTALL, REPAIR AND REPLACE (AT HIS OWN EXPENSE) ANY SEDIMENTATION AND EROSION CONTROLS AS ORDERED BY THE ENGINEER IN ADDITION TO THOSE SHOWN ON THE PLANS.
- E. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANING OF CITY OF MERIDEN AND STATE ROADS AS ORDERED BY THE ENGINEER OF ANY DEBRIS FROM HIS CONSTRUCTION ACTIVITIES. WATER FOR DUST CONTROL SHALL BE CONTINUOUSLY AVAILABLE AND SHALL BE APPLIED FOR DUST CONTROL AS ORDERED BY THE ENGINEER. ANY REQUIRED CLEANING OF ROADS OR DUST CONTROL SHALL BE AT THE CONTRACTORS EXPENSE.
- F. ALL PROPOSED CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THESE DRAWINGS, THE CITY OF MERIDEN STANDARDS, THE PROJECT MANUAL AND CONNECTICUT DOT FORM 818. NO CHANGES IN THE PROPOSED CONSTRUCTION SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. NO UNAUTHORIZED CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT.
- G. ALL ITEMS TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY, STATE AND FEDERAL REGULATIONS.
- H. ALL EXISTING LOOP DETECTORS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AS PART OF THE MILLING OPERATION. COST OF REMOVAL OF THE LOOP DETECTORS SHALL BE INCLUDED IN THE COST OF MILLING. THE INSTALLATION OF VIDEO DETECTION SYSTEMS SHALL BE BY OTHERS.



NOT TO SCALE



2	GEN-01	<p>DOWNTOWN PAVEMENT REHABILITATION MERIDEN, CONNECTICUT GENERAL NOTES AND TYPICAL SECTIONS</p>	<p><b>CARDINAL</b> ENGINEERING ASSOCIATES</p> <p>3 Colony Street   Meriden, CT 06451   203-238-1969</p>	<p>DATE: December 2020</p> <p>SCALE: AS NOTED</p> <p>DESIGNED BY: RCS</p> <p>DRAWN BY: RCS</p> <p>CHECKED BY:</p> <p>APPROVED BY: JAC</p>	<p>NO.</p> <p>REVISION</p> <p>DATE</p> <p>BY</p>
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**SHEET INDEX**  
SCALE: 1 IN. = 300 FT.

DOWNTOWN  
PAVEMENT REHABILITATION  
MERIDEN, CONNECTICUT  
SHEET INDEX

**CARDINAL**  
ENGINEERING ASSOCIATES  
3 Colony Street | Meriden, CT 06451 | 203-238-1969

DATE: December 2020  
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APPROVED BY: JAC

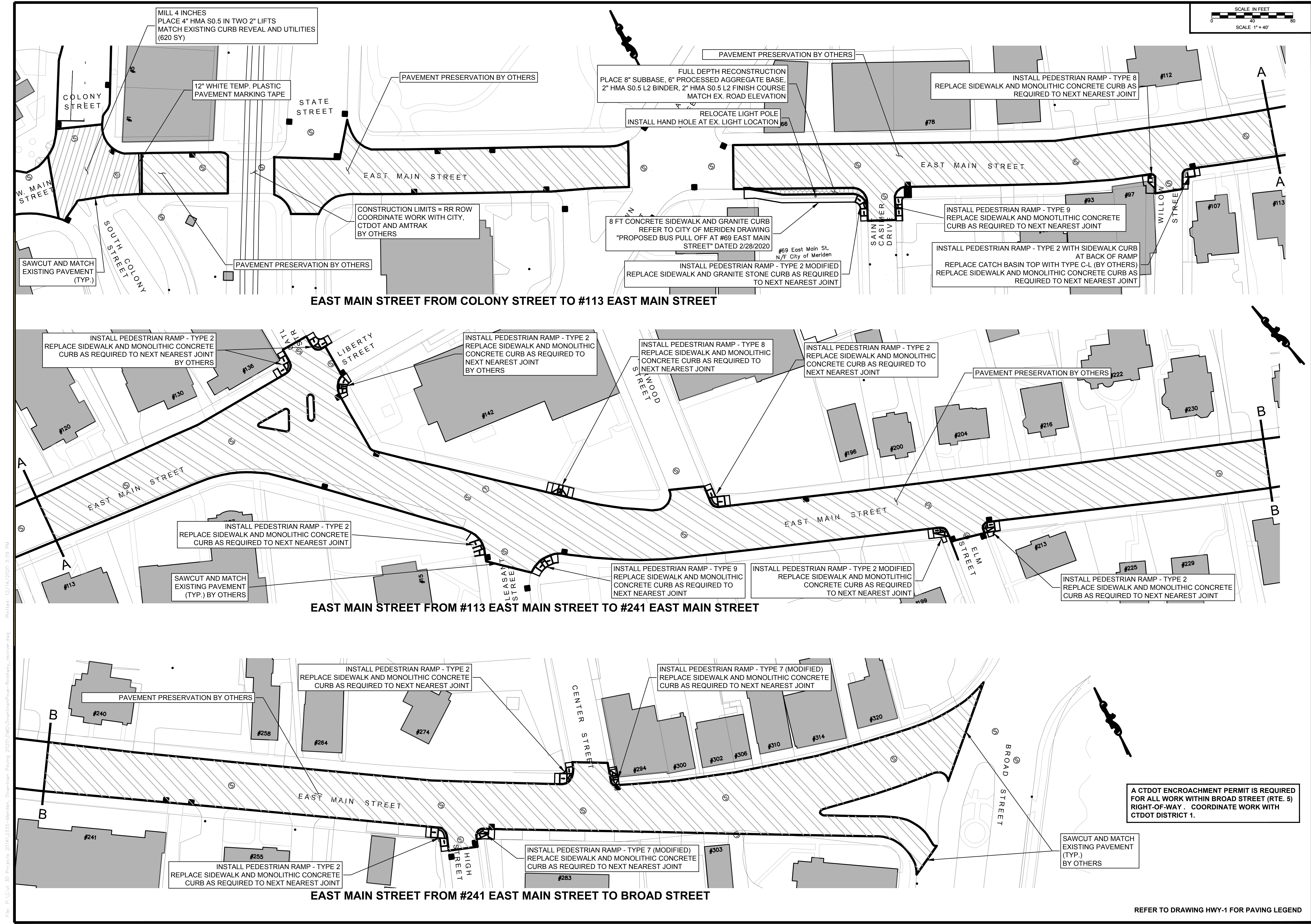
NO.	REVISION	DATE	BY



## BUTLER STREET FROM HANOVER STREET TO WEST MAIN STREET







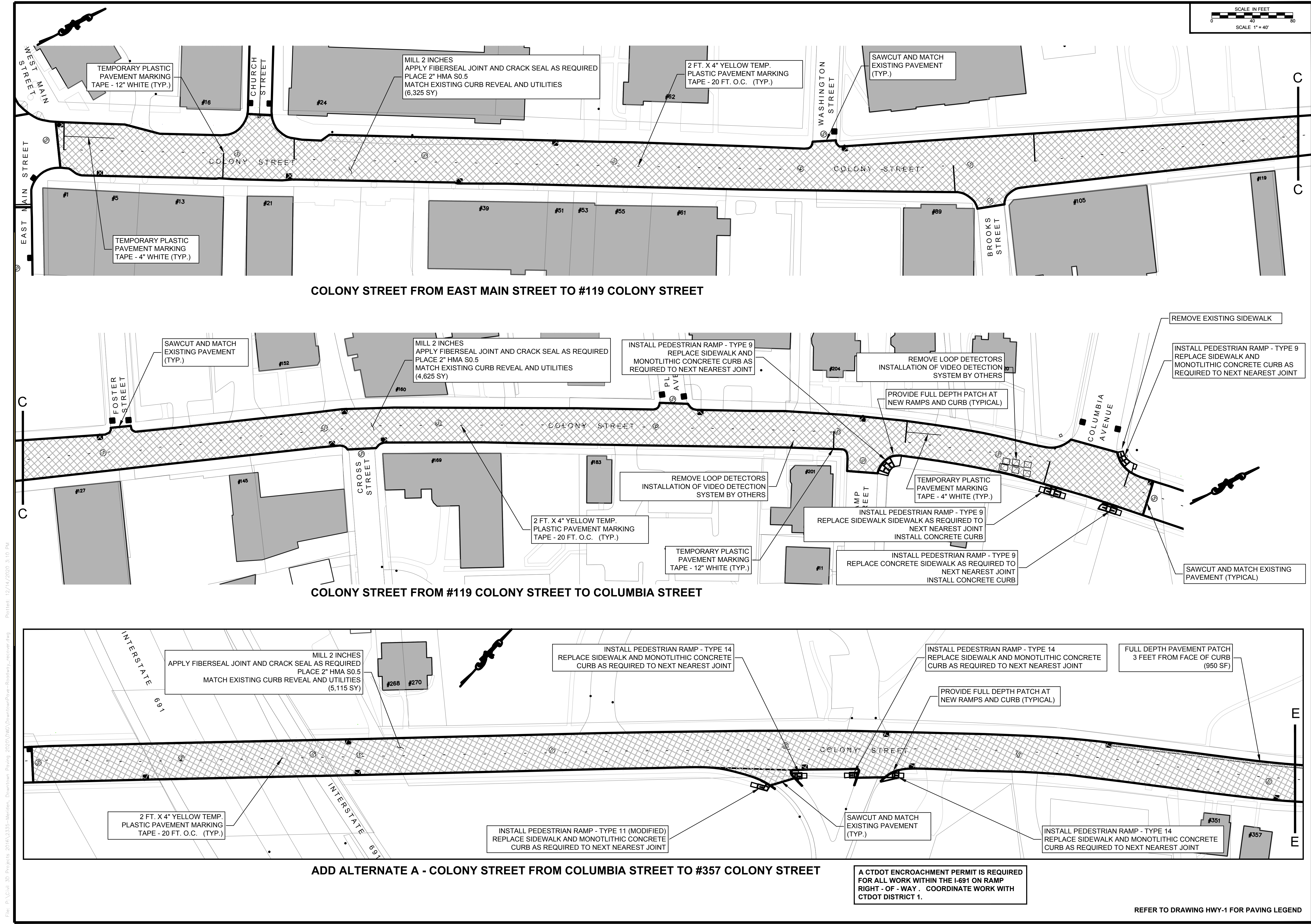
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Printed: 12/14/2020 3:09 PM

DOWNTOWN PAVEMENT REHABILITATION MERIDEN, CONNECTICUT ROADWAY PLAN	
HWY-02	
5	
DATE: December 2020 SCALE: AS NOTED DESIGNED BY: RCS DRAWN BY: RCS CHECKED BY: APPROVED BY: JAC	NO. REVISION DATE BY

ENGINEERING ASSOCIATES

3 Colony Street | Meriden, CT 06451 | 203-238-1969





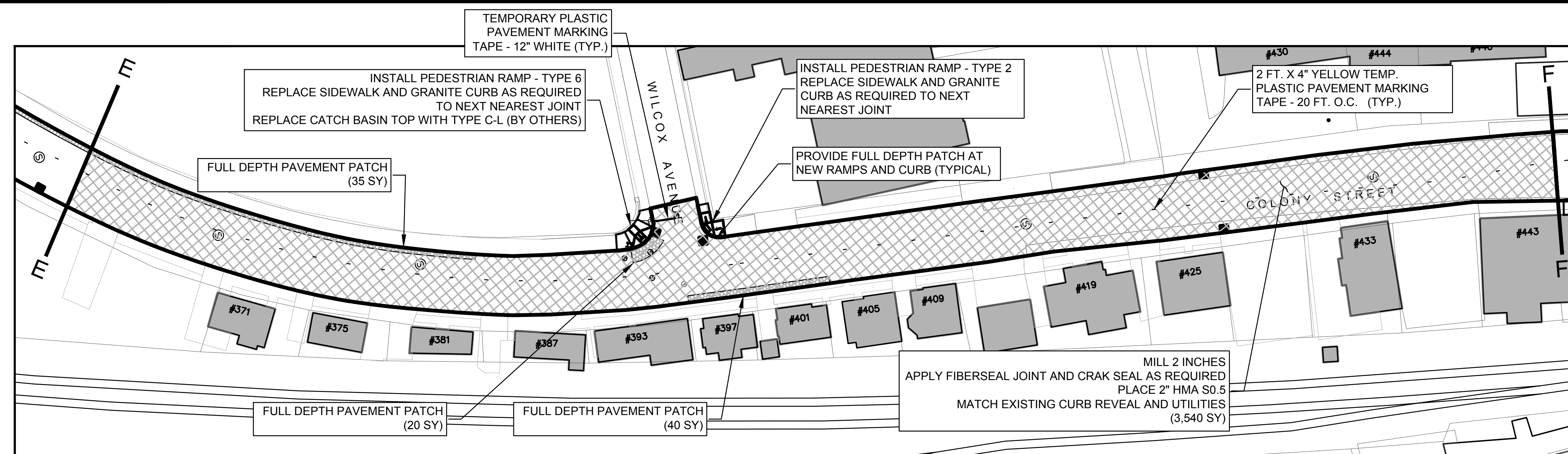
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A CTDOT ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK WITHIN THE I-691 ON RAMP RIGHT - OF - WAY . COORDINATE WORK WITH CTDOT DISTRICT 1.

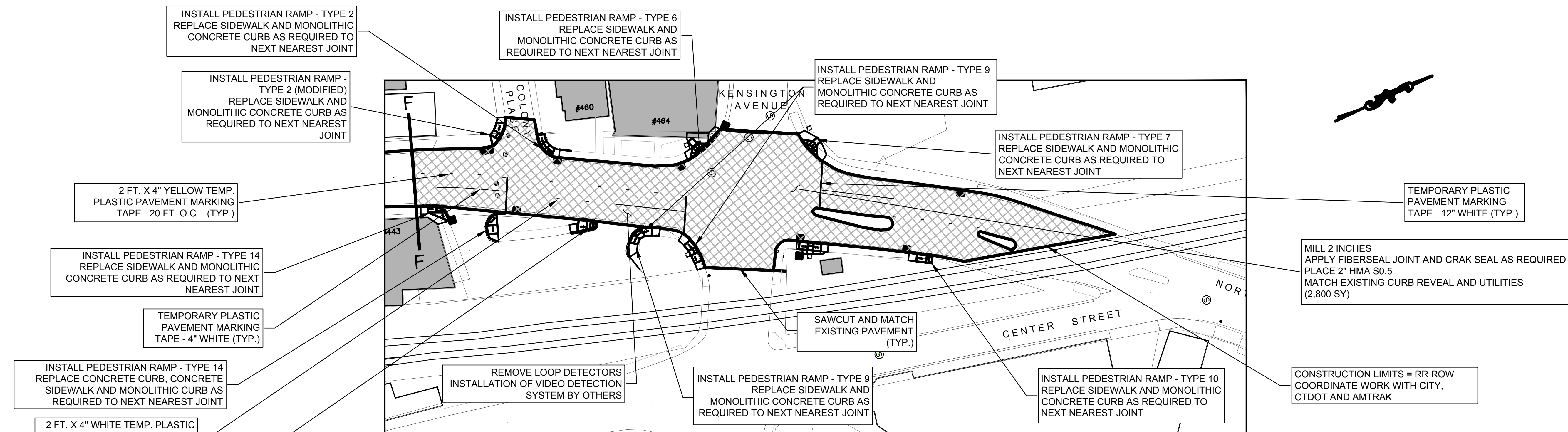
REFER TO DRAWING HWY-1 FOR PAVING LEGEND

DOWNTOWN PAVEMENT REHABILITATION MERIDEN, CONNECTICUT ROADWAY PLAN		HWY-03	
DATE: December 2020 SCALE: AS NOTED DESIGNED BY: RCS DRAWN BY: RCS CHECKED BY: APPROVED BY: JAC		NO. _____ REVISION _____ DATE _____ BY _____	
CARDINAL ENGINEERING ASSOCIATES 3 Colony Street   Meriden, CT 06451   203-238-1969		6	

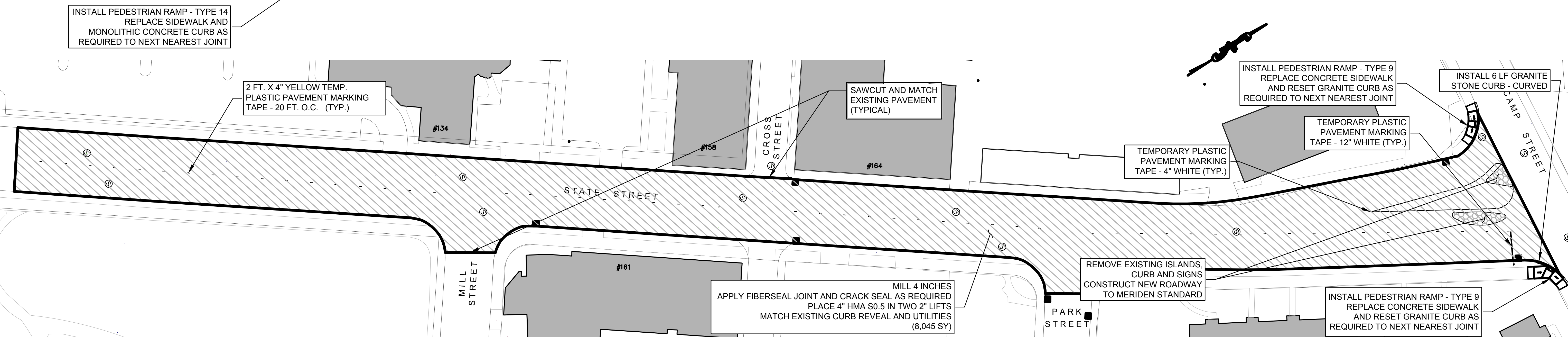




**ADD ALTERNATE A - COLONY STREET FROM #357 COLONY STREET TO #443 COLONY STREET**



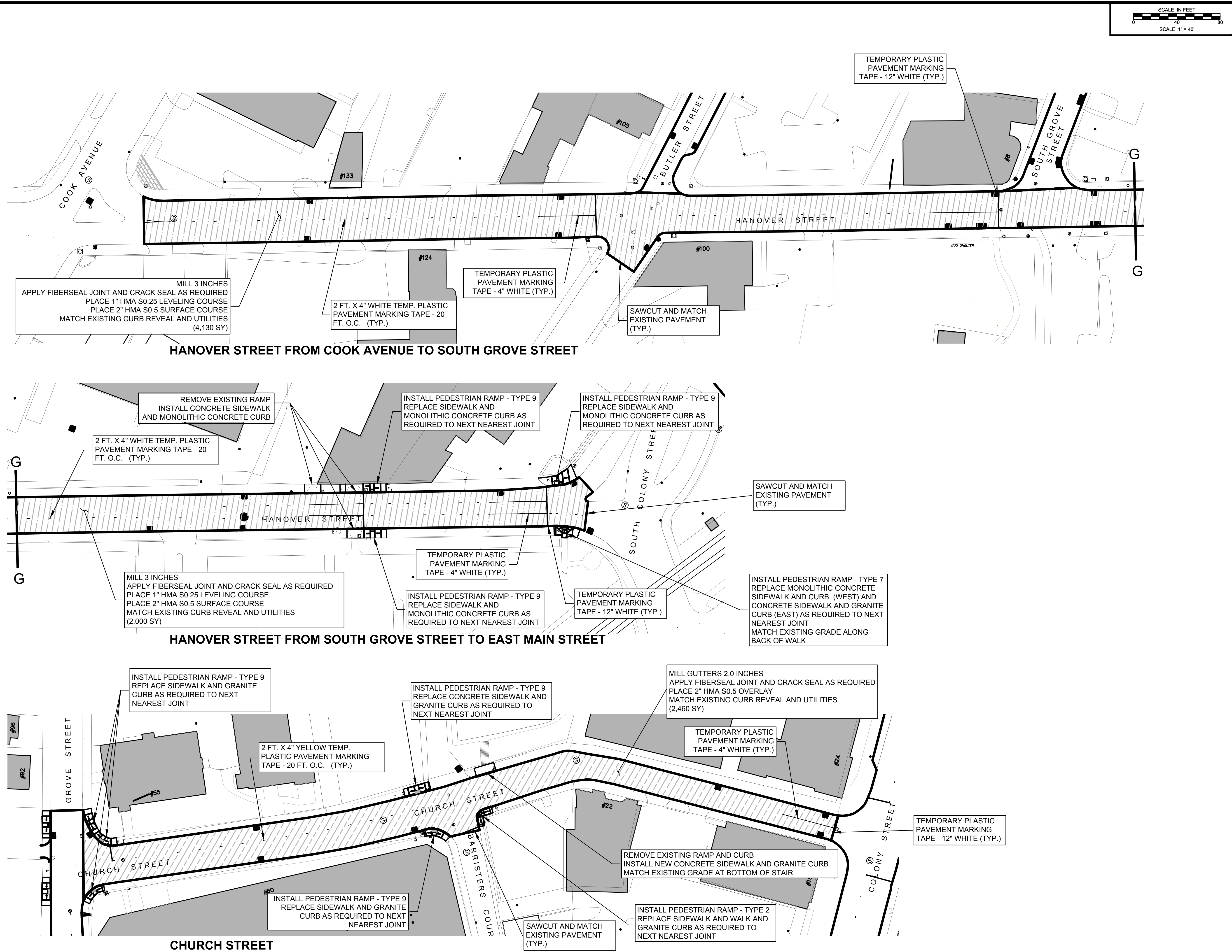
**ADD ALTERNATE A - COLONY STREET FROM #443 COLONY STREET TO CENTER STREET**



REFER TO DRAWING HWY-1 FOR PAVING LEGEND



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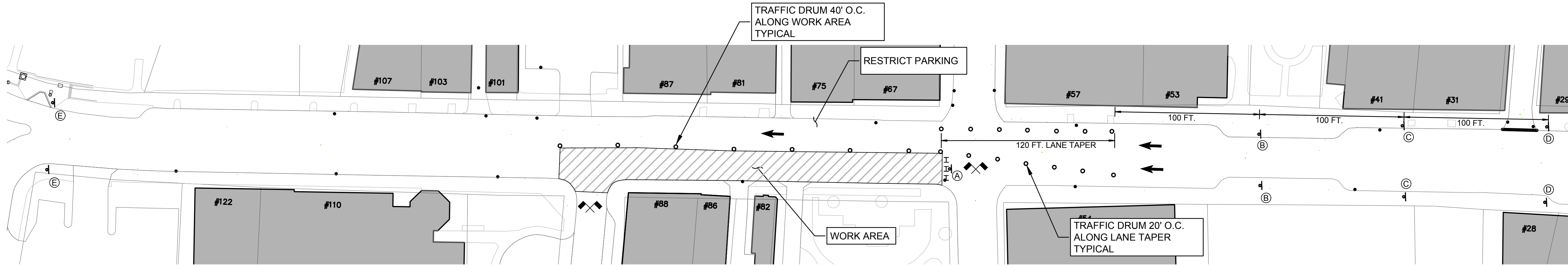


REFER TO DRAWING HWY-1 FOR PAVING LEGEND

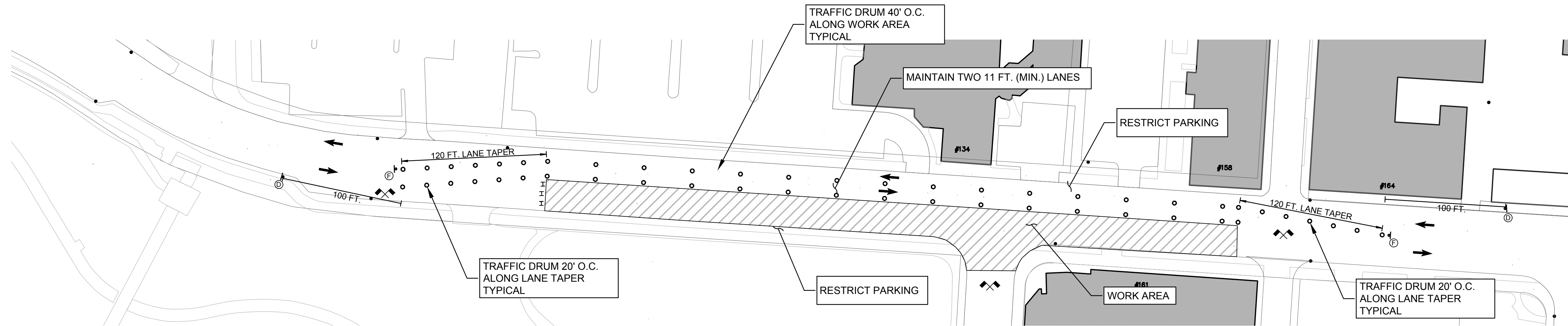
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DOWNTOWN		PAVEMENT REHABILITATION		MERIDEN, CONNECTICUT		ROADWAY PLAN		HWY-05		8



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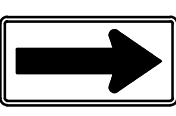



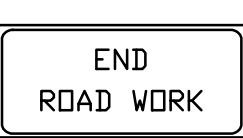


**TYPICAL ONE-WAY, MULTI-LANE  
NTS**



**TYPICAL TWO WAY LANE CLOSURE  
NTS**

**MAINTENANCE AND PROTECTION OF TRAFFIC NOTES**

1. WHEN EXISTING SIGNAGE AND PAVEMENT MARKINGS CONFLICT WITH THE PROPOSED TRAFFIC PATTERN SHOWN ON THE MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) PLANS, THE CONTRACTOR SHALL COVER THOSE CONFLICTING SIGNS AND PAVEMENT MARKINGS. SIGNS MAY ALSO BE TEMPORARILY RELOCATED IF APPROPRIATE FROM THE VIEW OF THE MOTORISTS.
2. FOR ADDITIONAL INFORMATION REFER TO SPECIAL PROVISION - PROSECUTION AND PROGRESS - LIMITATIONS OF OPERATIONS AND SPECIAL PROVISIONS MAINTENANCE AND PROTECTION OF TRAFFIC.
3. LOCATION OF ROAD WORK AHEAD SIGNING SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER THEN INSTALLED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. MULTIPLE SIGNS MAY BE REQUIRED BASED ON THE CONTRACTOR'S PROPOSED STAGING / PHASING OF THE WORK.
4. THE LOCATION OF TRAFFIC DRUMS AND/OR CONES SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS AND TO CLEARLY DEFINE ACCESS TO AND EGRESS FROM ALL ROADWAYS AND DRIVEWAYS.
5. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN WALKWAYS AT ALL TIMES THROUGH OR AROUND THE WORK AREA DURING CONSTRUCTION. WHEN THE CONTRACTOR MAINTAINS A TEMPORARY OR EXISTING WALKWAY IN PROXIMITY TO A WORK AREA, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A WORKING PLAN AND DETAILS SHOWING HOW THE CONTRACTOR PLANS TO PROTECT THE PEDESTRIANS.
6. ALL CONSTRUCTION SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION. SIGN HEIGHTS AND LATERAL CLEARANCES SHALL ALSO BE FIELD VERIFIED BY THE ENGINEER. ALL PORTABLE SIGN SUPPORTS SHALL CONFORM TO NCHRP REPORT 350.
7. SIGNS SHOWN ON THESE PLANS SHALL BE INSTALLED PRIOR TO SHIFTING TRAFFIC.
8. PRIOR TO CLOSURE OF ANY LOCAL STREET, THE CONTRACTOR MUST CONTACT THE CITY OF MERIDEN FOR ALLOWABLE CLOSURE PERIODS IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND CITY ORDINANCES.
9. CONTRACTOR SHALL NOTIFY THE CITY OF MERIDEN EMERGENCY SERVICES A MINIMUM OF 24 HOURS PRIOR TO ANY ROAD CLOSURES.
10. THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES UNLESS COORDINATED WITH THE ENGINEER AND AFFECTED PROPERTY OWNERS AND BUSINESSES. INSTALLATION OF TEMPORARY RAMPS AT DRIVEWAYS MAY BE REQUIRED.

A		80-9424
B		80-9921 (R) 80-9922 (L)
C		80-9851 (R) 80-9850 (L)
D		80-9603
E		80-9612
F		31-1526
		POLICE OFFICER WITH VEHICLE
	I	TYPE III BARRICADE WITH FLASHING LIGHT

**SIGN LEGEND**

DATE: December 2020  
SCALE: AS NOTED  
DESIGNED BY: RCS  
DRAWN BY: RCS  
CHECKED BY:  
APPROVED BY: JAC

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DOWNTOWN  
PAVEMENT REHABILITATION  
MERIDEN, CONNECTICUT  
TYPICAL MAINTENANCE AND PROTECTION OF TRAFFIC

MPT-01