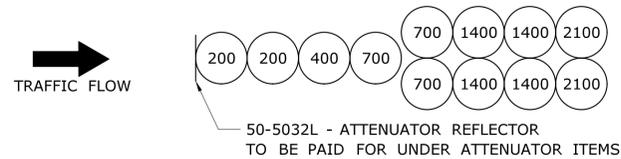




**MAINTENANCE AND PROTECTION OF TRAFFIC NOTES**

1. SEE SPECIAL PROVISION SECTION 1.08 - PROSECUTION & PROGRESS AND ITEM 971001A - MAINTENANCE & PROTECTION OF TRAFFIC FOR CONSTRUCTION STAGING REQUIREMENTS.
2. MAINTENANCE AND PROTECTION OF TRAFFIC PLANS ARE INTENDED TO SHOW ONLY MPT REQUIRED WORK AND ARE NOT TO BE UTILIZED TO ASSESS SITE CONDITIONS. VEHICLES SHOWN IN THE BACKGROUND IMAGE DO NOT REPRESENT EXPECTED TRAFFIC VOLUMES AND SHOULD BE IGNORED.
3. EXACT LOCATIONS OF SIGNS TO BE DETERMINED BY THE ENGINEER IN THE FIELD. SIGNS ARE TO BE INSTALLED SO THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
4. ANY EXISTING SIGNING DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
5. MPT SIGNS AND NEW SIGN POSTS ARE PAYABLE UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
6. ALL MPT SIGNS TO BE INSTALLED ON BREAKAWAY POSTS PER TRAFFIC STANDARD SHEETS TR-1208-01, TR-1208-02, AND TR-1220-02. SEE STANDARD SHEET TR-1205-01 FOR DELINEATOR APPLICATION.
7. BARRICADE WARNING LIGHTS - HIGH INTENSITY SHALL BE MOUNTED ON ALL DIAMOND SHAPED POST-MOUNTED CONSTRUCTION SIGNS AND ALL BARRICADE MOUNTED CONSTRUCTION SIGNS AND PAYABLE UNDER ITEM NO. 0976002.
8. CONTRACTOR TO NOTIFY THE CITY OF GROTON AND ALL EMERGENCY SERVICES AT LEAST 2 WEEKS PRIOR TO IMPLEMENTATION OF CONSTRUCTION STAGE.
9. SEE SHEET MPT-06 FOR TEMPORARY ILLUMINATION NOTES AND DETAILS.
10. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED WHEN THE BRIDGE REHABILITATION PROJECT IS IN EFFECT. REMOVAL/COVERING OF EXISTING SIGNS IS PAYABLE UNDER ITEM NO. 0971001A.
11. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE COVERED WITH BLACK AGGREGATE COVER-UP RESIN PAVEMENT MARKINGS.
12. SIGN NO. 31-0445 TO BE IN USE DURING THE NORTHBOUND BRIDGE MPT STAGES 1 AND 2 AS INDICATED ON THE PLANS. SIGNS ARE PAYABLE UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
13. THE SAND BARREL ARRAY SHOW BELOW IS DESIGNED FOR IMPACT VELOCITIES <= 55 MPH. NUMBERS INDICATE POUNDS OF SAND IN EACH BARREL.

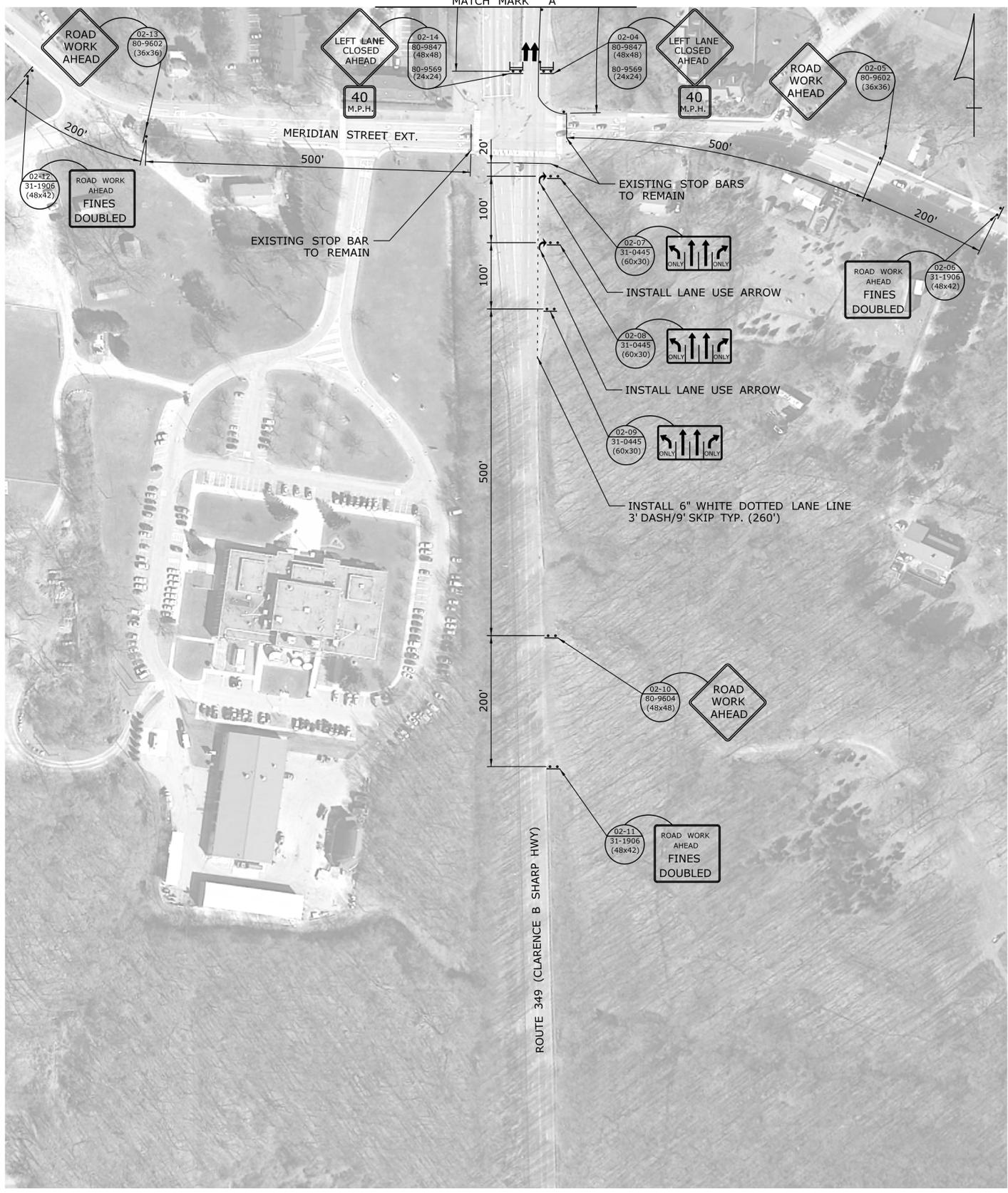
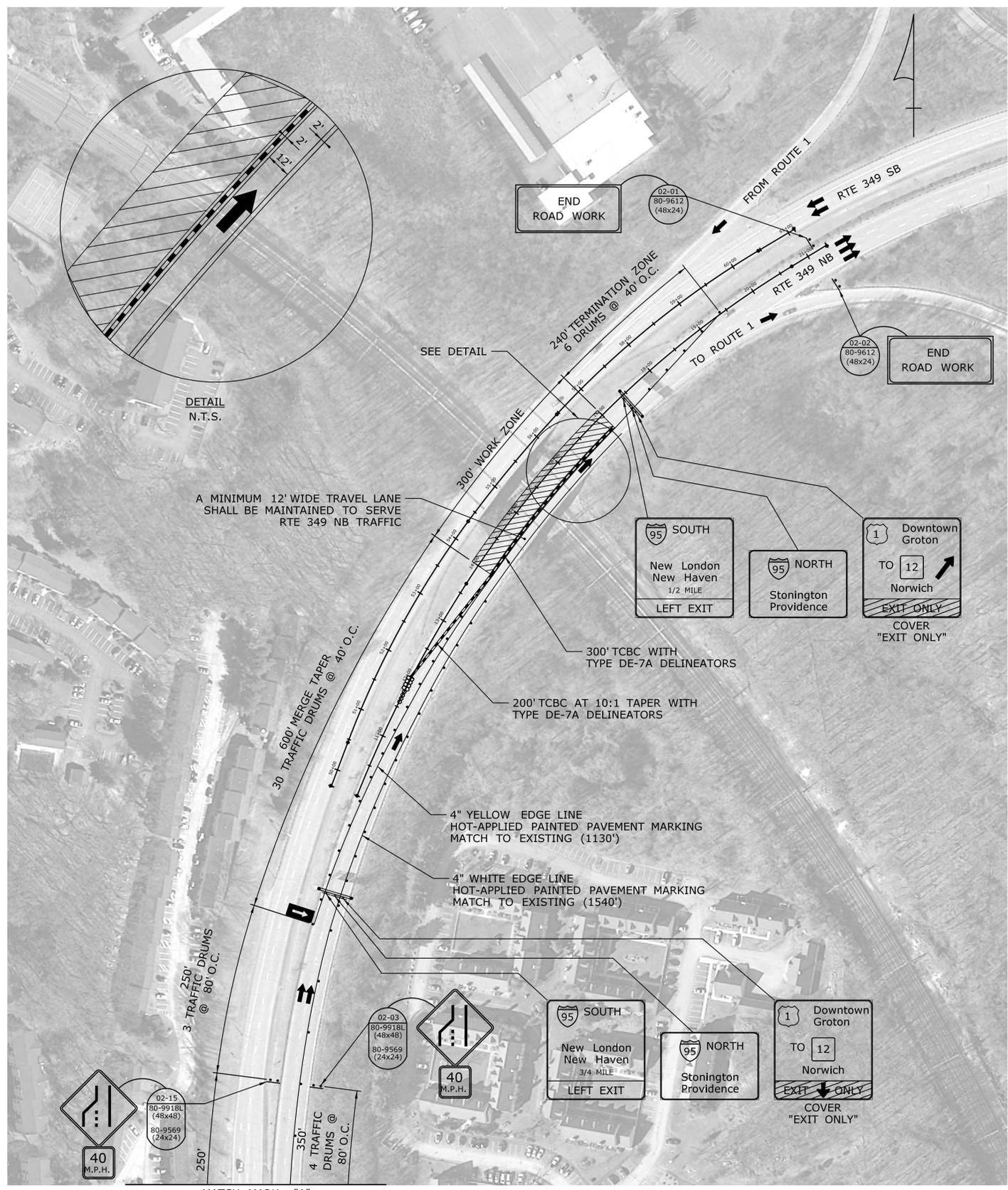


**MPT LEGEND**

- TEMPORARY PRECAST CONCRETE BARRIER CURB (TCBC)
- SINGLE POST MOUNTED SIGN
- DOUBLE POST MOUNTED SIGN
- CONSTRUCTION BARRICADE TYPE III
- TRAFFIC DRUM OR 42" TRAFFIC CONE PLACEMENT
- HIGH MOUNTED INTERNALLY ILLUMINATED ARROW BOARD
- TRAFFIC FLOW
- WORK ZONE
- IMPACT ATTENUATION SYSTEM (SAND BARRELS)

**90% SUBMISSION 03/09/2016**

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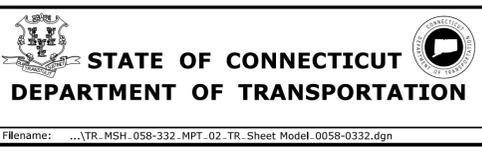
NOTES:  
SEE MPT-01 FOR GENERAL NOTES AND LEGEND

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SIGNATURE/BLOCK:  
**VN ENGINEERS INC.**  
Traffic • Infrastructure • Planning  
115 WASHINGTON AVENUE | NORTH HAVEN, CT 06473 | 203.234.2862

PROJECT TITLE:  
**RECONSTRUCTION OF ROUTE 349  
NB AND SB OVER  
AMTRAK RAILROAD**

TOWN:  
**GROTON**  
DRAWING TITLE:  
**NORTHBOUND BRIDGE  
MPT PLAN STAGE 1**

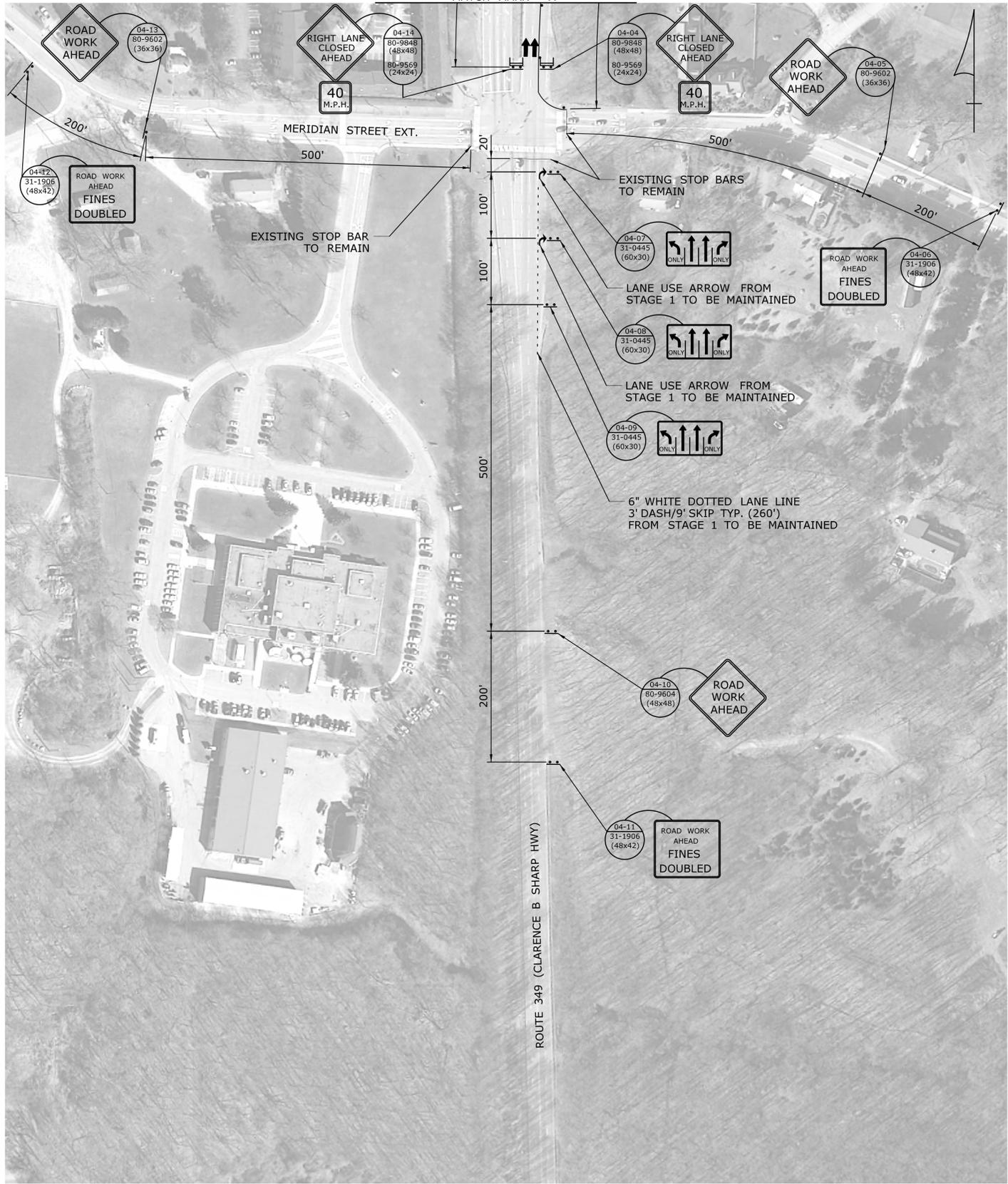
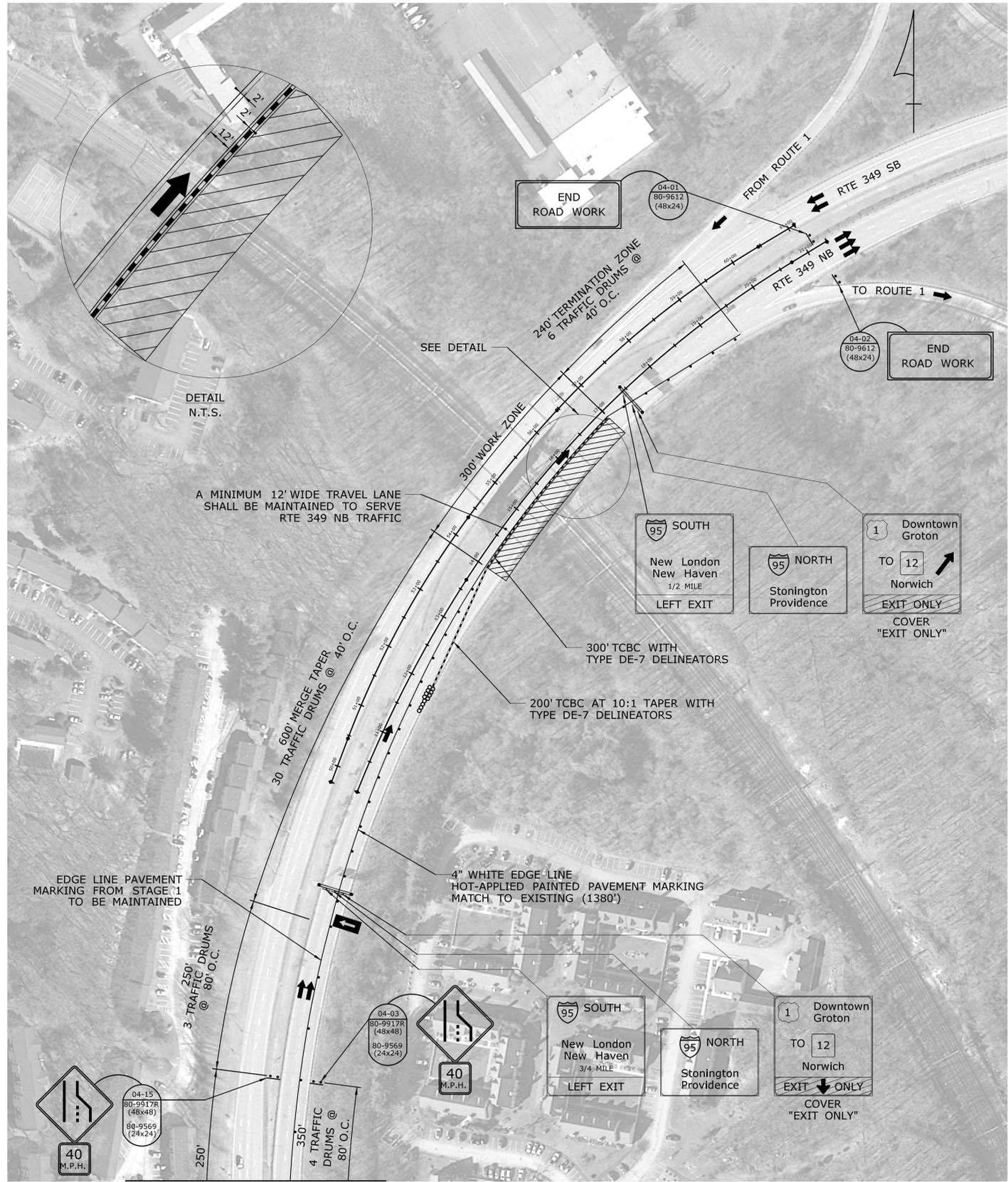
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**58-332**  
DRAWING NO.  
**MPT-02**  
SHEET NO.



**NOTES:**  
SEE MPT-01 FOR GENERAL NOTES AND LEGEND.

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REV.	DATE	REVISION DESCRIPTION	SHEET NO.				



NOTES:  
SEE MPT-01 FOR GENERAL NOTES AND LEGEND

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PROJECT TITLE:  
**RECONSTRUCTION OF ROUTE 349  
NB AND SB OVER  
AMTRAK RAILROAD**

TOWN:  
**GROTON**  
DRAWING TITLE:  
**NORTHBOUND BRIDGE  
MPT PLAN STAGE 2**

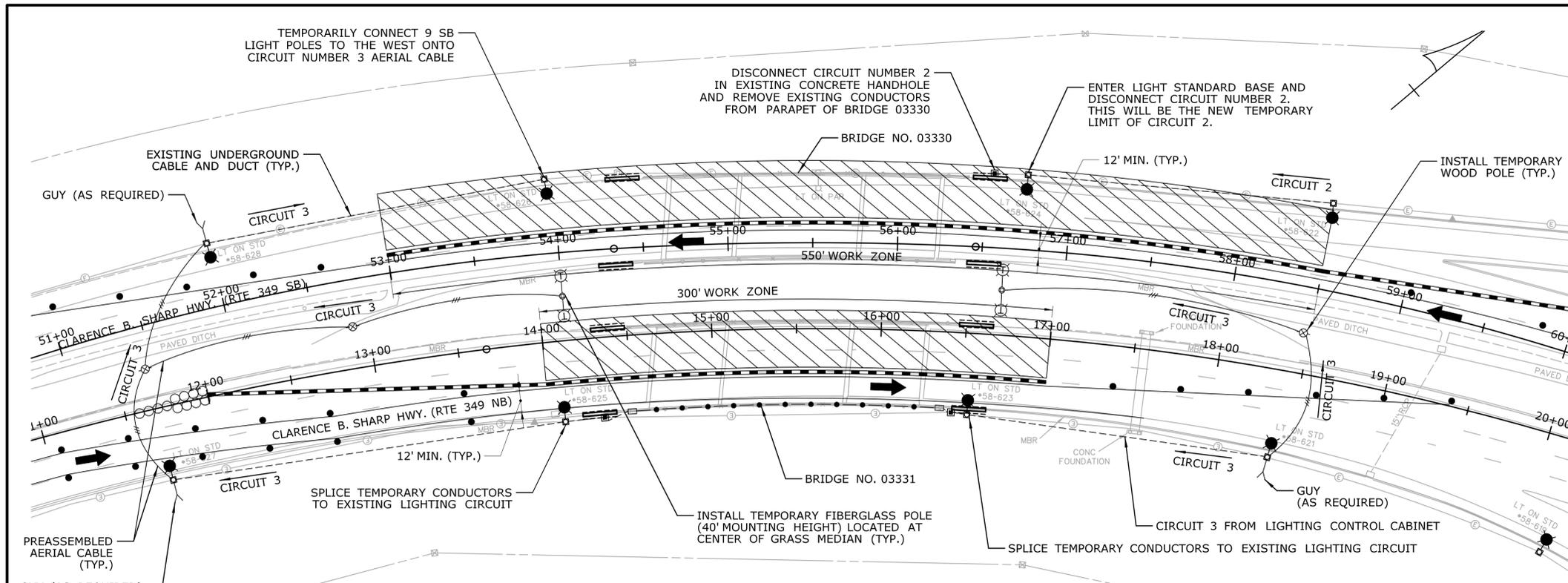
PROJECT NO.  
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DRAWING NO.  
**MPT-04**  
SHEET NO.



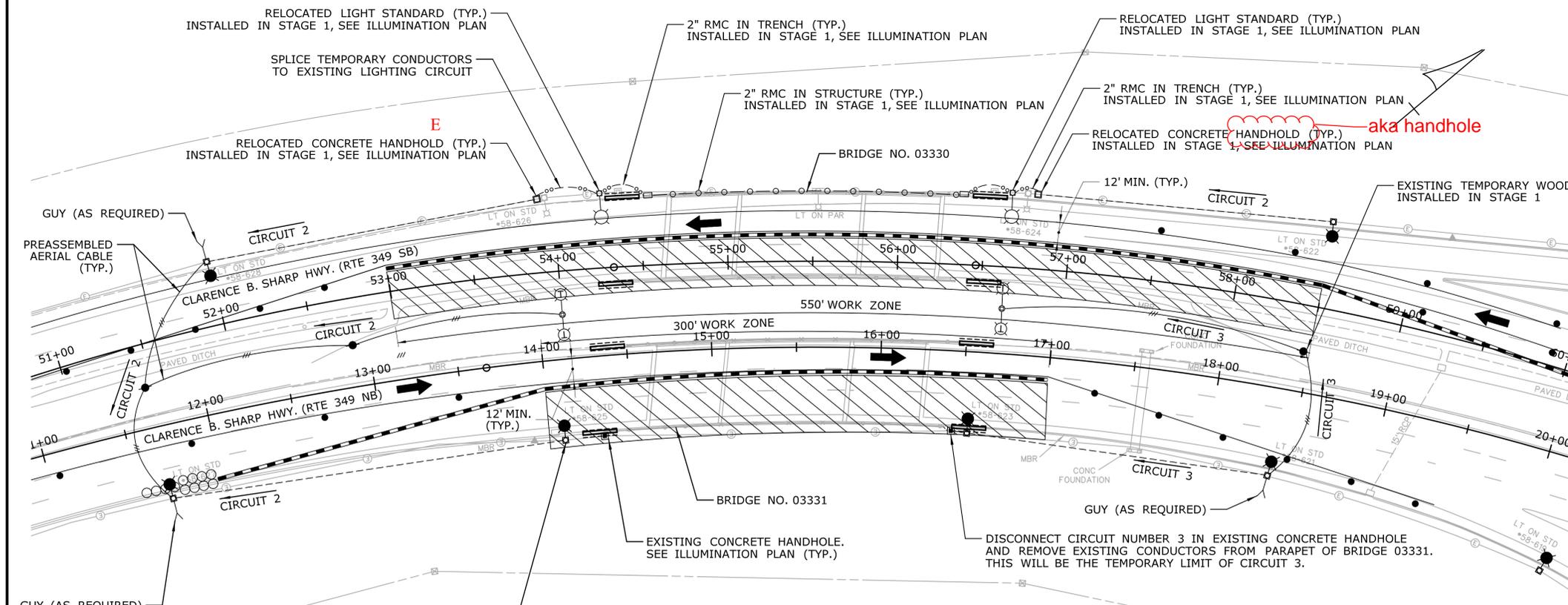
**NOTES:**  
SEE MPT-01 FOR GENERAL NOTES AND LEGEND.

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REV. DATE REVISION DESCRIPTION SHEET NO.	Plotted Date: 3/2/2016	Filename: ...TR_MSH_058-332_MPT_05_TR_Sheet Model_0058-0332.dgn		<b>SOUTHBOUND BRIDGE MPT PLAN STAGE 2</b>			



STAGE 1 - TEMPORARY ILLUMINATION



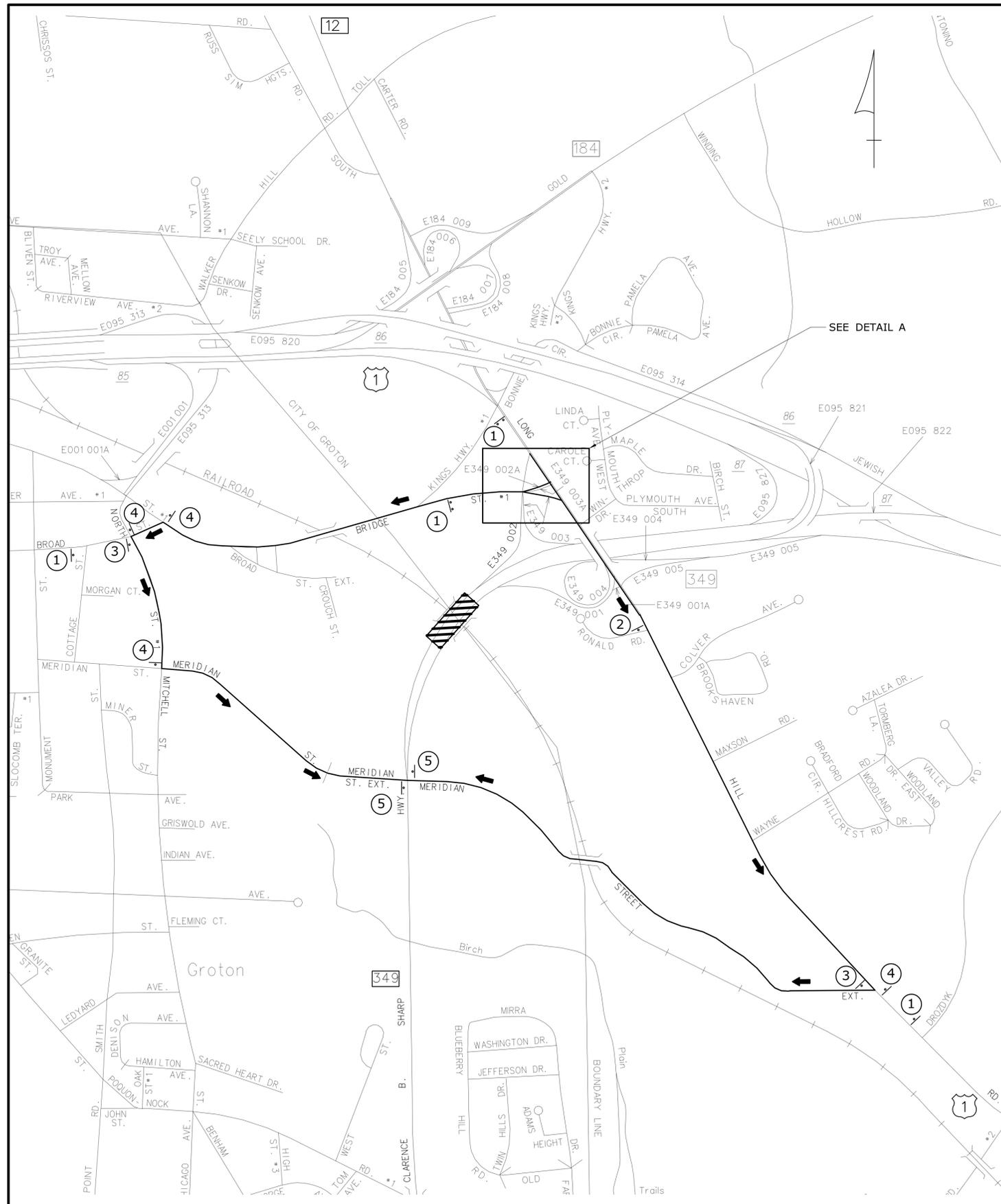
STAGE 2 - TEMPORARY ILLUMINATION

- TEMPORARY ILLUMINATION NOTES:**
1. THE CONTRACTOR SHALL ORGANIZE HIS WORK SO THAT ANY PORTION OF THE ROADWAY WHICH HAS EXISTING ILLUMINATION AND IS OPEN FOR USE REMAINS LIGHTED. THE LIGHTING MAY CONSIST OF: 1) EXISTING LIGHTING, 2) NEW LIGHTING, 3) TEMPORARY LIGHTING, OR ANY COMBINATION OF THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STAGE THE INSTALLATION OF NEW LIGHTING AND SERVICE CABINETS SO THAT ALL ROADWAYS WITH EXISTING ILLUMINATION ARE CONTINUOUSLY LIGHTED. IF IT IS NECESSARY TO INSTALL TEMPORARY POLES, LIGHTS, OR CIRCUITRY, THAT WORK SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO INSTALLATION, AND WILL BE PAID FOR AT THE BID UNIT PRICE FOR THESE ITEMS. WHERE INSTALLED, TEMPORARY LIGHTING SHALL BE SPACED SO AS TO MAINTAIN EXISTING ROADWAY LIGHTING AND UNIFORMITY LEVELS. THE CONTRACTOR SHALL MAINTAIN ALL LIGHTING THROUGHOUT THE DURATION OF THE PROJECT. SEE SECTION 10.00 "GENERAL CLAUSES FOR HIGHWAY ILLUMINATION AND TRAFFIC SIGNAL PROJECTS".
  2. THE CONTRACTOR SHALL CONTACT THE DISTRICT 2 ELECTRICAL SUPERVISOR AT TELEPHONE (860) 537-8942 WHEN ACCESS TO A CIRCUIT IS REQUIRED AND FOLLOW ALL STATE LOCKOUT/TAGOUT PROCEDURES.
  3. ALL TEMPORARY OVERHEAD WIRING SHALL BE 3 #6 AND 1 #6 GND RATED FOR 600 VOLTS.
  4. THE MOUNTING HEIGHT OF ALL TEMPORARY ILLUMINATION UNITS (FIBERGLASS) SHALL BE 40 FEET.
  5. SEE PERMANENT ILLUMINATION PLANS FOR LOCATIONS OF PERMANENT CONDUIT, HANDHOLES AND LIGHT STANDARDS (EXISTING OR RELOCATED).

- TEMPORARY ILLUMINATION LEGEND**
- ▬ TEMPORARY PRECAST CONCRETE BARRIER CURB (TCBC)
  - • TRAFFIC DRUM OR 42" TRAFFIC CONE PLACEMENT
  - ➔ TRAFFIC FLOW
  - ▨ WORK ZONE
  - ⊙⊙⊙⊙ IMPACT ATTENUATION SYSTEM (SAND BARRELS)
  - ⊙ EXISTING LIGHT STANDARD
  - ⊙ RELOCATED LIGHT STANDARD
  - ⊙ TEMPORARY LUMINAIRE
  - ⊙ TEMPORARY 40' FIBERGLASS POLE
  - ▬ PREASSEMBLED AERIAL CABLE
  - EXISTING 2" RMC IN STRUCTURE WITH 3#2, 1#8 GND
  - PROPOSED 2" RMC IN STRUCTURE WITH 3#2, 1#8 GND
  - EXISTING CONDUIT AND CONDUCTORS IN TRENCH
  - PROPOSED 2" RMC IN TRENCH (WITH 3#2, 1#8 GND)
  - ⊗ TEMPORARY WOOD POLE
  - EXISTING TEMPORARY WOOD POLE INSTALLED IN STAGE 1

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CHECKED BY: <b>MWD</b>	SCALE IN FEET 0 40 80 SCALE 1" = 40'	FILENAME: ...TR_MSH_058-332_MPT_06_TR_Sheet Model_0058-0332.dgn		DRAWING TITLE: <b>TEMPORARY ILLUMINATION PLAN</b>	DRAWING NO. <b>MPT-06</b>	SHEET NO.	



**SIGN LEGEND**

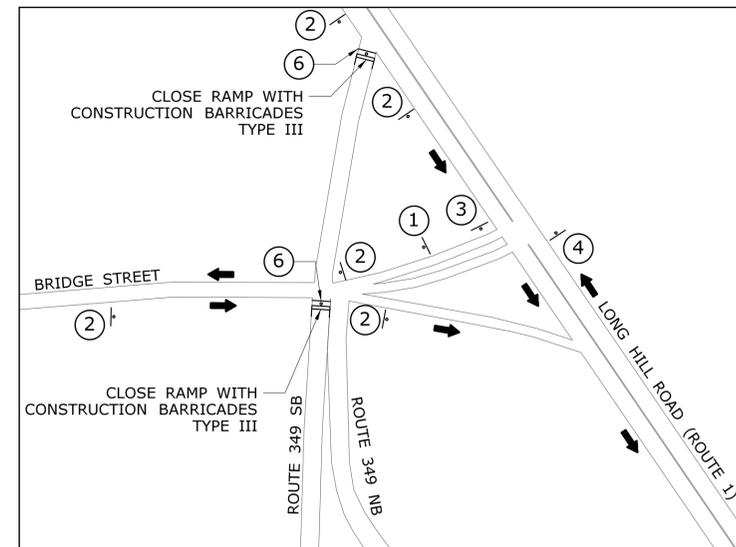
①	RAMP FOR RT 349 SB CLOSED AHEAD FOLLOW DETOUR	80-9928 (60 x 30)
②	ROUTE 349 SB DETOUR ↑	80-9919 (30 x 10) 80-9710 (30 x 24)
③	ROUTE 349 SB DETOUR →	80-9919 (30 x 10) 80-9710R (30 x 24)
④	ROUTE 349 SB DETOUR ←	80-9919 (30 x 10) 80-9710L (30 x 24)
⑤	END DETOUR	80-9708 (24 x 18)
⑥	ROAD CLOSED	80-9080 (48 x 30)

**DETOUR LEGEND**

- ⇄ SINGLE POST MOUNTED SIGN
- ⇄⇄ DOUBLE POST MOUNTED SIGN
- ▬ CONSTRUCTION BARRICADE TYPE III WITH SIGN
- TRAFFIC DRUM OR 42" TRAFFIC CONE
- ➔ DETOURED TRAFFIC FLOW
- ▨ WORK ZONE

**DETOUR NOTES**

1. CONTRACTOR MAY ONLY CLOSE ROAD AND IMPLEMENT DETOUR DURING THE ALLOWABLE TIME PERIOD AS SPECIFIED IN SECTION 1.08 - PROSECUTION & PROGRESS AND ITEM 971001A - MAINTENANCE & PROTECTION OF TRAFFIC SPECIAL PROVISIONS.
2. ALL SIGNING IS TO BE INSTALLED/REVISED PRIOR TO ROADWAY CLOSURE. ANY DETOUR SIGNS INSTALLED PRIOR TO INITIATION OF DETOUR SHALL BE COVERED. ALL EXISTING SIGNS IN CONFLICT WITH DETOUR SIGNAGE SHALL BE COVERED DURING THE CLOSURE. ONCE ROADWAY IS REOPENED TO TRAFFIC ALL DETOUR SIGNING IS TO BE REMOVED AND ALL EXISTING SIGNING IS TO BE RESTORED TO PRE-DETOUR ARRANGEMENT. REMOVAL AND COVERING OF EXISTING SIGNS IS PAYABLE UNDER ITEM NO. 0971001A.
3. EXACT LOCATIONS OF SIGNS TO BE DETERMINED BY THE ENGINEER IN THE FIELD. DETOUR SIGNS ARE TO BE INSTALLED SO THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
4. ANY EXISTING SIGNING DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
5. DETOUR SIGNS AND NEW SIGN POSTS ARE PAYABLE UNDER ITEM 1220027 - CONSTRUCTION SIGNS.
6. ALL DETOUR SIGNS TO BE INSTALLED ON BREAKAWAY POSTS PER TRAFFIC STANDARD SHEETS TR-1208-01, TR-1208-2, AND TR-1220-2.
7. BARRICADE WARNING LIGHTS - HIGH INTENSITY SHALL BE MOUNTED ON ALL DIAMOND SHAPED POST-MOUNTED CONSTRUCTION SIGNS AND ALL BARRICADE MOUNTED CONSTRUCTION SIGNS AND PAYABLE UNDER ITEM NO. 0976002.
8. CONTRACTOR TO NOTIFY THE CITY OF GROTON AND ALL EMERGENCY SERVICES AT LEAST 2 WEEKS PRIOR TO ROADWAY CLOSURE.



**DETAIL A**  
(NOT TO SCALE)

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