

GENERAL NOTES

SIGN PLACEMENT SPACING HAS BEEN MODIFIED ON "ON-RAMP FROM ROUTE 8 NB" TO ACCOMMODATE THE SHORTER RAMP LENGTH. SIGNS SHALL ALSO BE PLACED ALONG THE EXIT 19 ON-RAMP (FROM ROUTE 8 NB), EXIT 20 ON-RAMP (FROM ROUTE 8 SB), AND ON-RAMP FROM HIGHLAND AVENUE WITH SPACING SHOWN ON THE MAINLINE.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.

EXISTING SIGNS ARE TO BE TEMPORARILY RELOCATED AS NEEDED AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SO THAT THEY ARE IN THE APPROPRIATE LOCATION AND VISIBLE TO MOTORISTS. ANY EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED, REMOVED, OR REVISED TO MEET FIELD CONDITIONS. THIS WORK SHALL BE PAID FOR UNDER ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.

ALL CONSTRUCTION SIGNS SHALL BE MOUNTED ON TEMPORARY BREAKAWAY POSTS, IF FEASIBLE.

CONTACT "CALL BEFORE YOU DIG" AT 811 PRIOR TO THE INSTALLATION OF ANY NEW TEMPORARY SIGN POSTS.

ANY EXISTING SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.

ALL CONSTRUCTION SIGNS TO BE INSTALLED PER CTDOT STANDARD SHEETS:
TR_1220_01 - SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS.
TR_1220_02 - CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES.

THE LOCATIONS OF THE CONSTRUCTION SIGNS AND OTHER TRAFFIC CONTROL DEVICES, INCLUDING, BUT NOT LIMITED TO, TRAFFIC DRUMS AND CONSTRUCTION BARRICADES, SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS. MINIMUM SIGN SPACING SHALL BE IN ACCORDANCE WITH ITEM NO. 0971001A - TRAFFIC CONTROL PLANS AND TYPICAL MATERIALS.

ALL CONSTRUCTION SIGNS SHALL BE PAID FOR UNDER ITEM NO. 1220027A - CONSTRUCTION SIGNS.

APPLICABLE SERIES 16-E SIGNS (80-1605), 16-H (80-1608), AND 16-M (80-6103) SIGNS TO BE LOCATED IN ADVANCE OF THE PROJECT SUCH THAT A MOTORIST CAN AVOID THE CONSTRUCTION SITE. SERIES 16-S SIGN (80-1619) SHALL BE INSTALLED IN ADVANCE OF ALL SIDEWALK CLOSURES.

BARRICADE WARNING LIGHTS - HIGH INTENSITY, ITEM NO. 0976002, SHALL BE MOUNTED ON ALL DIAMOND SHAPED POST-MOUNTED CONSTRUCTION SIGNS. REFER TO CTDOT STANDARD SHEET TR_1220_02 FOR ADDITIONAL INFORMATION.

APPROPRIATE TYPE DE-7 DELINIATORS SHALL BE INSTALLED ON TEMPORARY TRAFFIC BARRIER AS SPECIFIED IN CTDOT GUIDE SHEET, TITLED "DELINEATION, DELINEATORS AND ATTENUATOR REFLECTOR DETAILS" AND IN SECTION 8.22 - TEMPORARY TRAFFIC BARRIER OF FORM 819.

TEMPORARY HOT-APPLIED PAVEMENT MARKINGS TO BE USED IN AREAS WHERE THE PAVEMENT WILL BE RECONSTRUCTED OR RESURFACED.

EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED, INCLUDING THOSE PAVEMENT MARKINGS OUTSIDE OF THE TRAVEL WAY OR BEYOND THE LIMITS OF CONSTRUCTION.

DURING THE WINTER SHUTDOWN PERIOD, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE EPOXY RESIN.

MPT SHOULDER CLOSURE NOTES

ALL PAVEMENT MARKINGS ARE EXISTING.

BARRIER NOTES

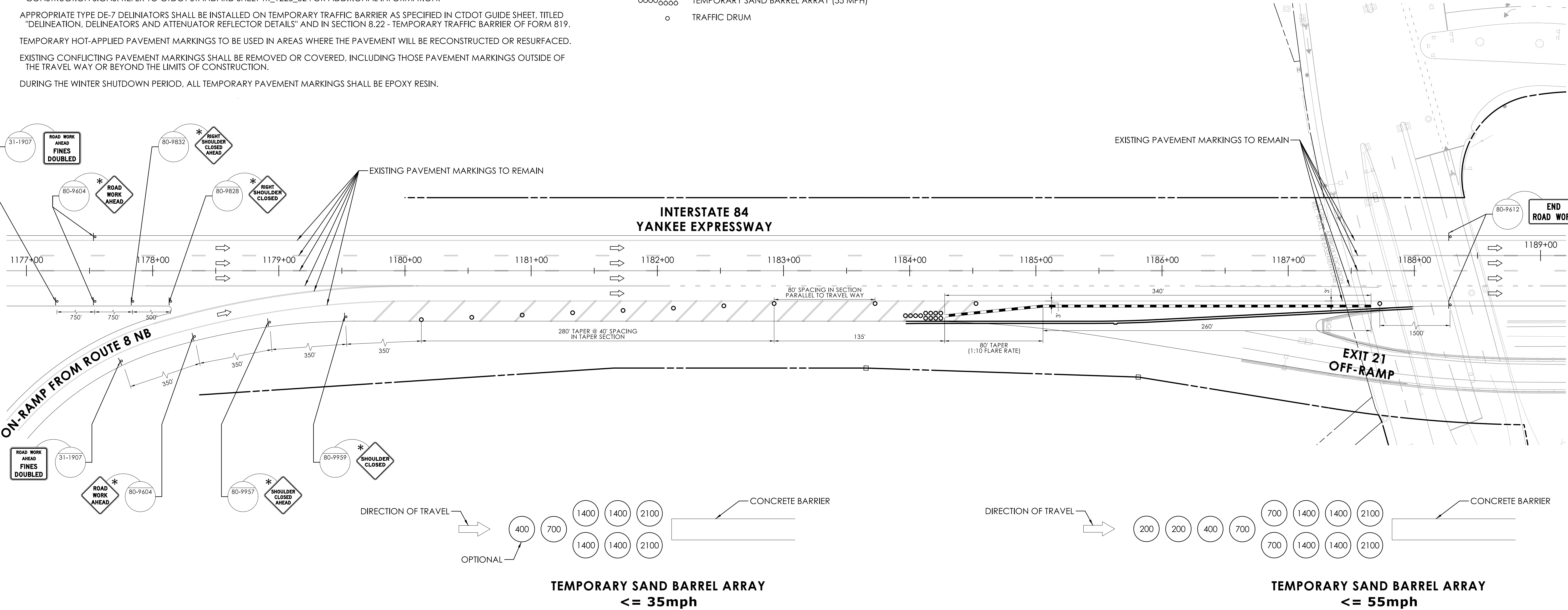
ALL TEMPORARY TRAFFIC BARRIER SHALL BE IN ACCORDANCE WITH THE FOLLOWING CTDOT STANDARD SHEETS:

- HW-822_01 - TEMPORARY PRECAST CONCRETE BARRIER CURB
- HW-822_02A - TEMPORARY TRAFFIC BARRIER-DETAILS
- HW-822_01 - TEMPORARY TRAFFIC BARRIER (BOLTED)
- HW-822_01 - TEMPORARY TRAFFIC BARRIER AND TEMPORARY TRAFFIC BARRIER (PINNED)



LEGEND

- WORK AREA
- SINGLE POST MOUNTED CONSTRUCTION SIGN
- DOUBLE POST MOUNTED CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY SAND BARREL ARRAY (55 MPH)
- TRAFFIC DRUM



REV	DATE	REVISION DESCRIPTION

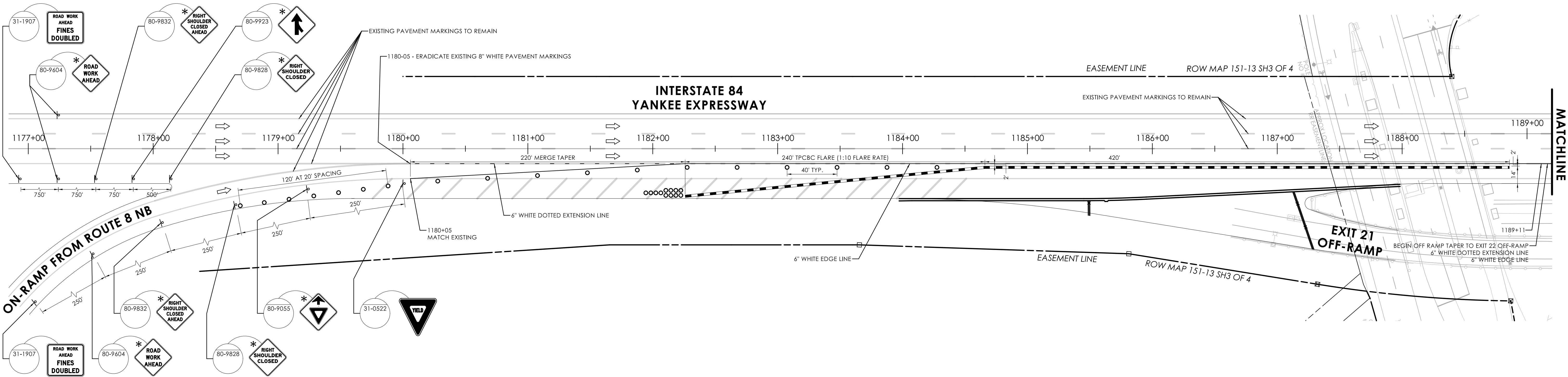
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SHEET NOTES

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.

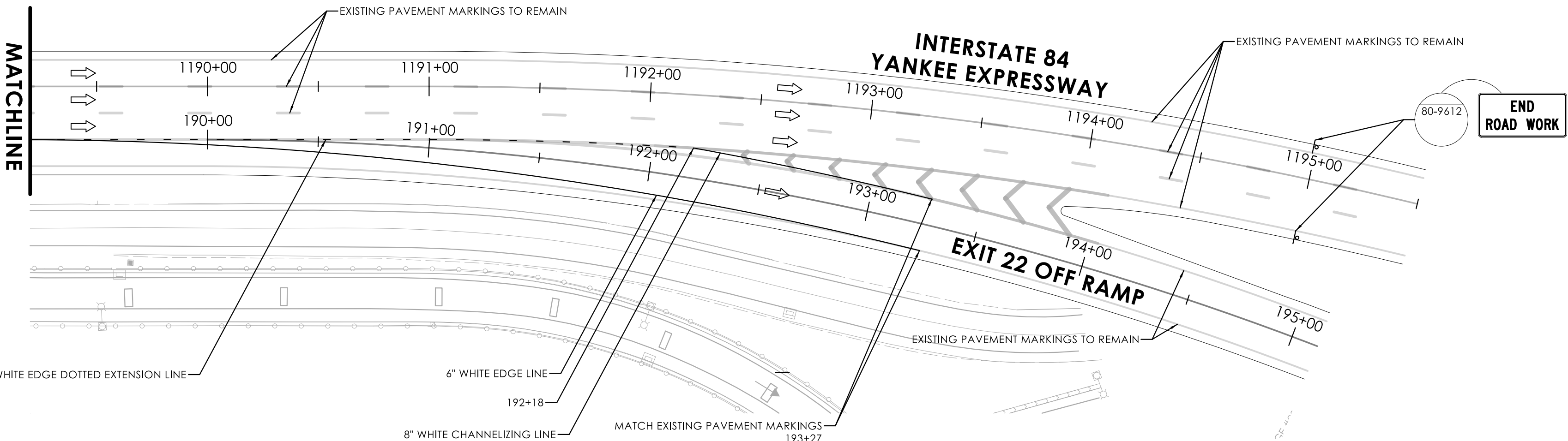
MPT LANE CLOSURE NOTES

ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.



LEGEND

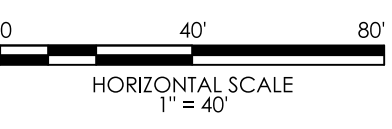
- WORK AREA
- SINGLE POST MOUNTED CONSTRUCTION SIGN
- DOUBLE POST MOUNTED CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY SAND BARREL ARRAY (55 MPH)
- TRAFFIC DRUM



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER


HORIZONTAL SCALE
1" = 40'


CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
**MAINTENANCE &
PROTECTION OF TRAFFIC -
I-84 EB - LANE CLOSURE**

PROJECT NO.:
0151-0340

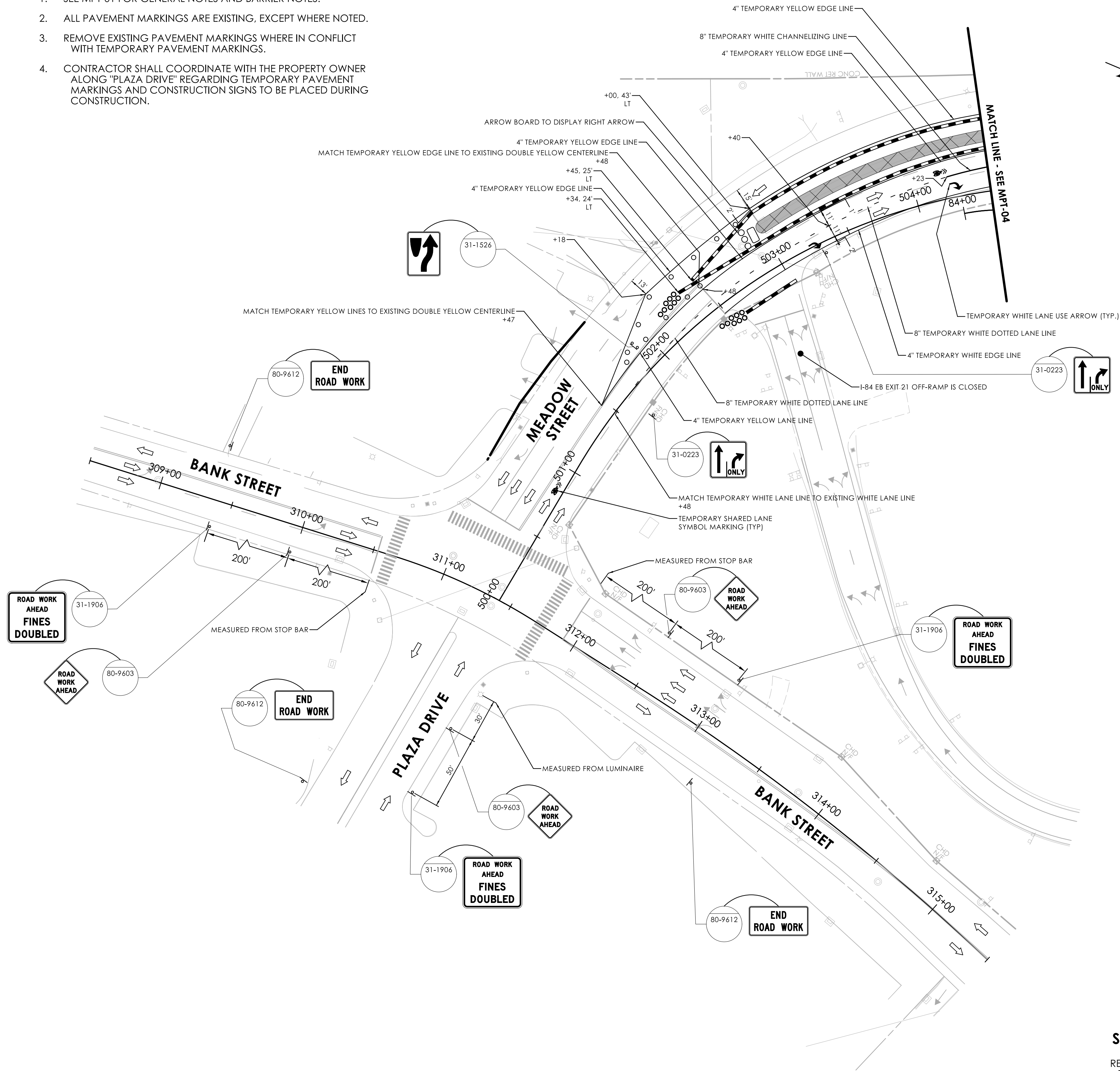
DRAWING NO.:
MPT-02
SHEET NO.:
07.03

LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- ARROW BOARD

MPT PLAN NOTES

- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
- ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
- REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
- CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.



SUGGESTED SEQUENCE OF CONSTRUCTION

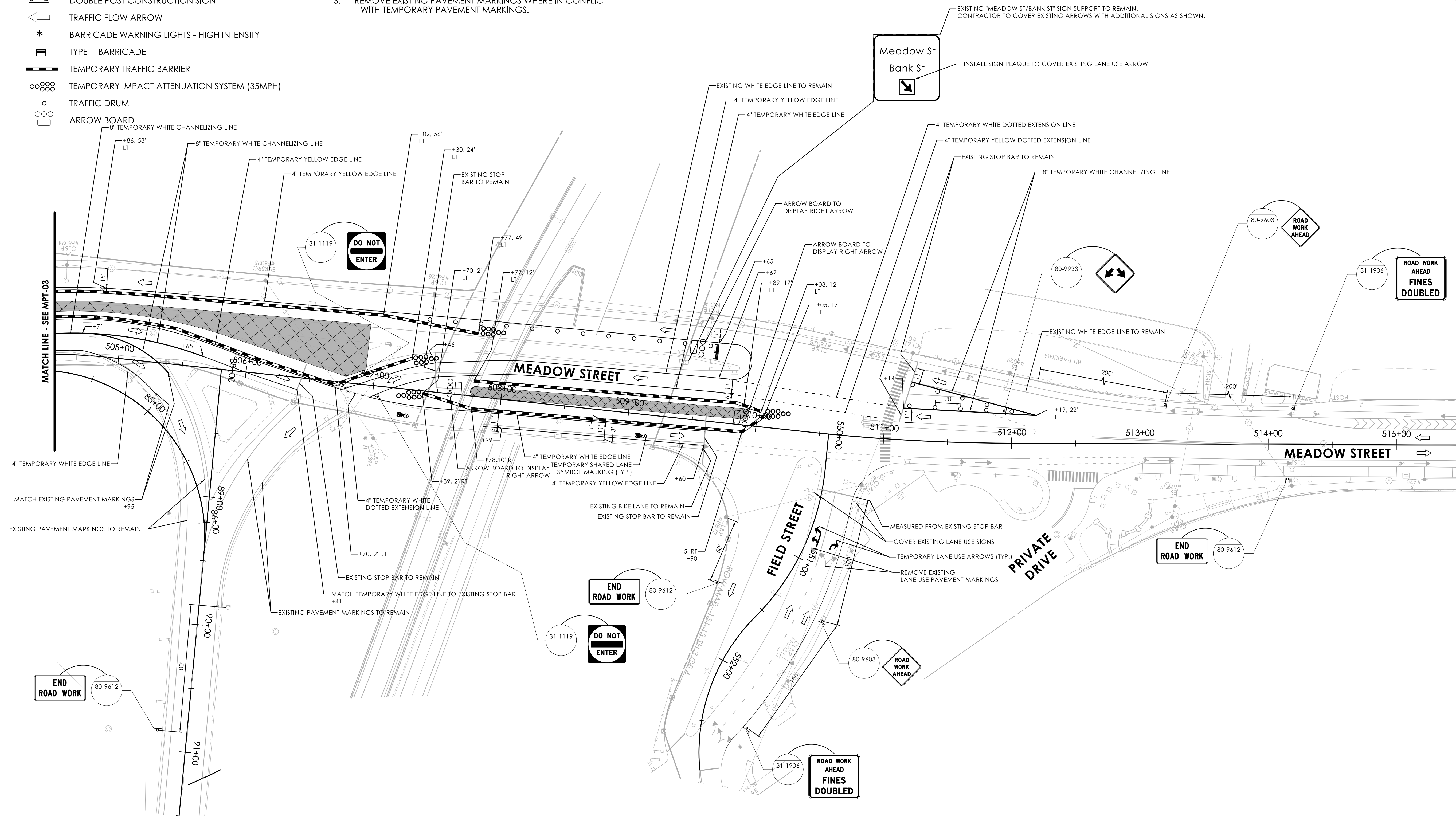
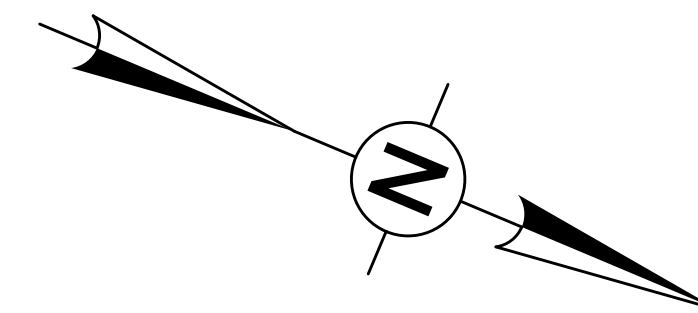
REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

MEADOW STREET - STAGE 1

REVISION DESCRIPTION				SIGNATURE BLOCK:				PROJECT TITLE:		TOWN(S):		DRAWING TITLE:		PROJECT NO.:		DRAWING NO.:	
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DESIGNER/DRAFTER: S. SEPERACK				CHECKED BY: M. KURKER												07.04	

	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM
	ARROW BOARD
	TEMPORARY WHITE CHANNELIZING LINE

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.



REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

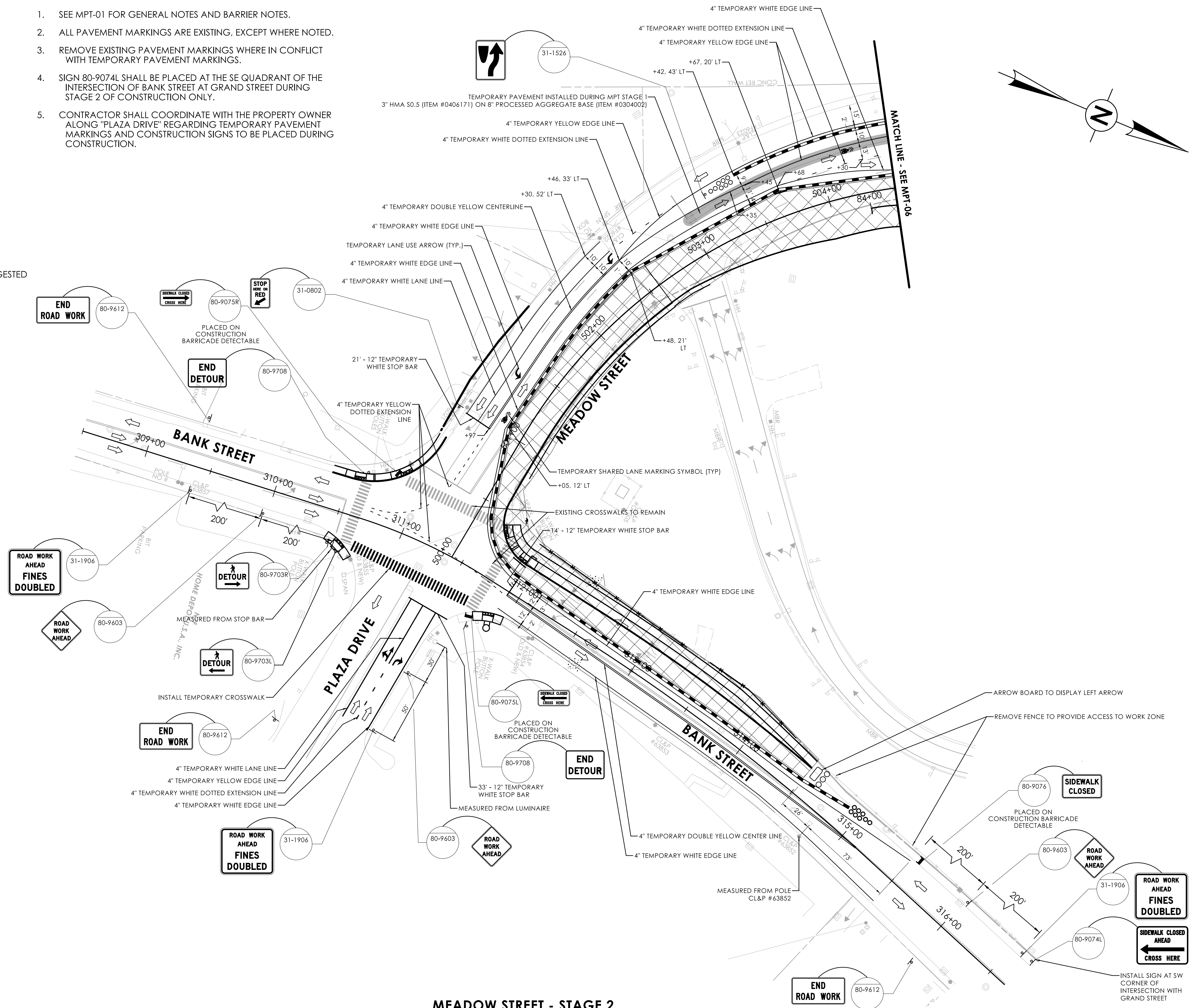
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DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER								

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PLOTTED DATE: 7/16/2025

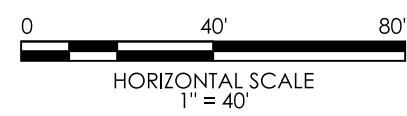
	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM
	TEMPORARY PAVEMENT
	ARROW BOARD

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
4. SIGN 80-9074L SHALL BE PLACED AT THE SE QUADRANT OF THE INTERSECTION OF BANK STREET AT GRAND STREET DURING STAGE 2 OF CONSTRUCTION ONLY.
5. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.

REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

[illegible]

SIGNATURE BLOCK: <i>Richard D. Fisher</i> 	No. Complete of Permitted Projects (none - 000000)
DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S): **WATERBURY**

DRAWING TITLE:

**MAINTENANCE &
PROTECTION OF TRAFFIC -
MEADOW STREET - STAGE 2**

PROJECT NO.:
0151-0340

DRAWING NO.:	MPT-05
SHEET NO.:	07.06

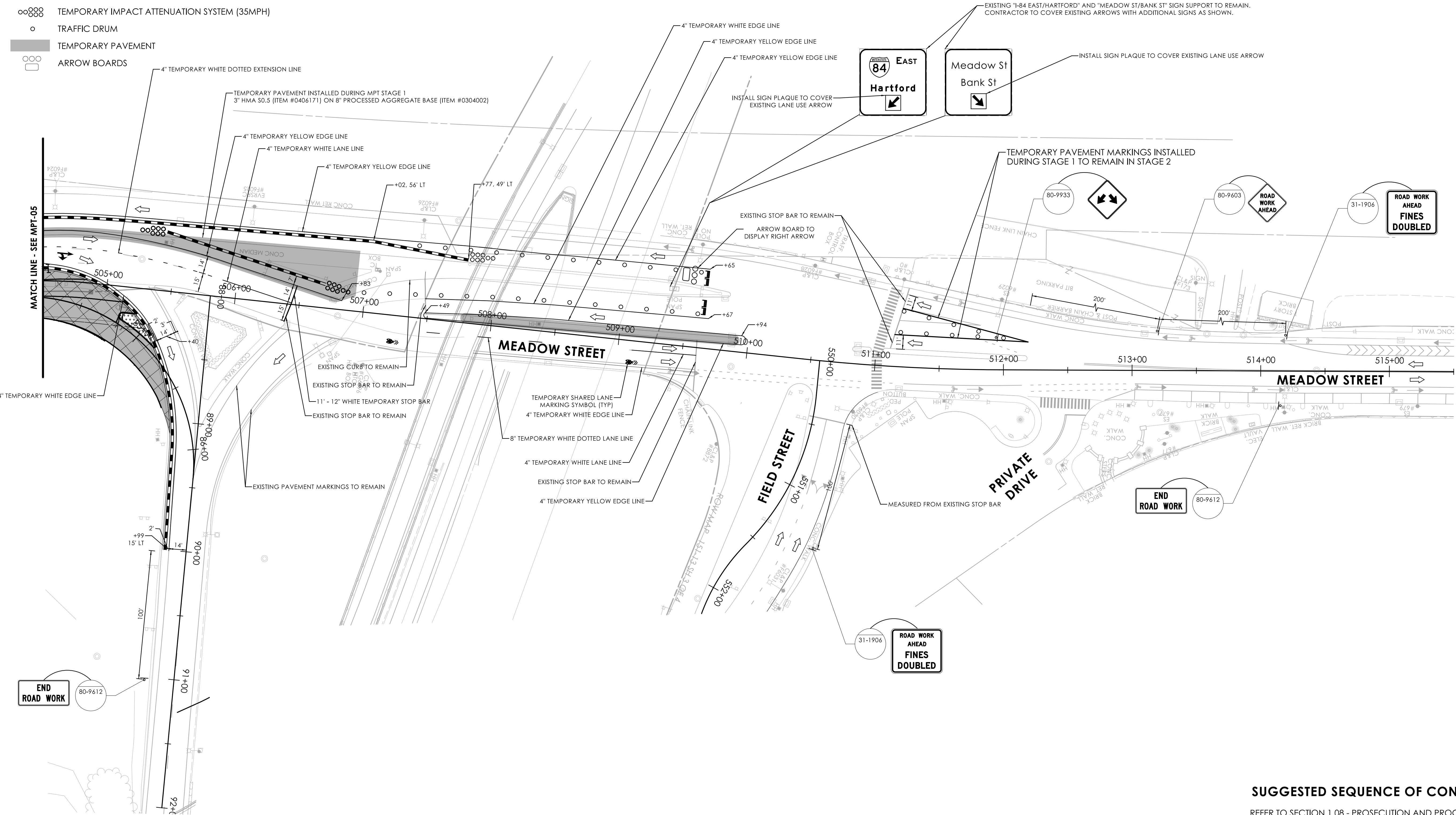
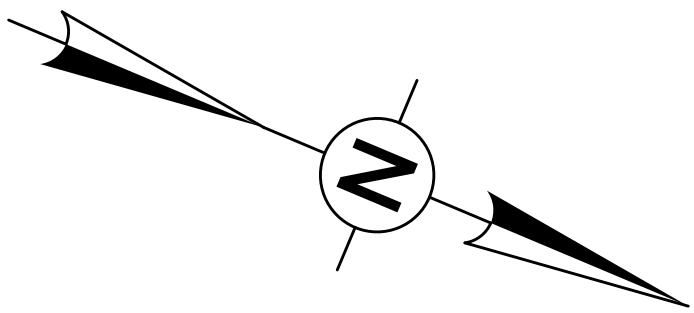
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PLOTTED DATE: 7/16/2025

LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- TEMPORARY PAVEMENT
- ARROW BOARDS

MPT PLAN NOTES

- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
- ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
- REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.



SUGGESTED SEQUENCE OF CONSTRUCTION

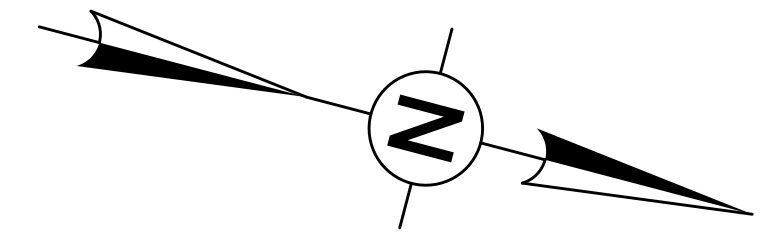
REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

MEADOW STREET - STAGE 2

			REVISION DESCRIPTION																
SUGGESTED SEQUENCE OF CONSTRUCTION REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.																			
MEADOW STREET - STAGE 2																			
REV. DATE		SIGNATURE BLOCK: DESIGNER/DRAFTER: S. SEPERACK			HORIZONTAL SCALE 1" = 40'			CONNECTICUT DEPARTMENT OF TRANSPORTATION		PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP				TOWN(S): WATERBURY		DRAWING TITLE: MAINTENANCE & PROTECTION OF TRAFFIC - MEADOW STREET - STAGE 2		PROJECT NO.: 0151-0340	DRAWING NO.: MPT-06
			CHECKED BY: M. KURKER			SHEET NO.: 07.07													

	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM
	ARROW BOARD

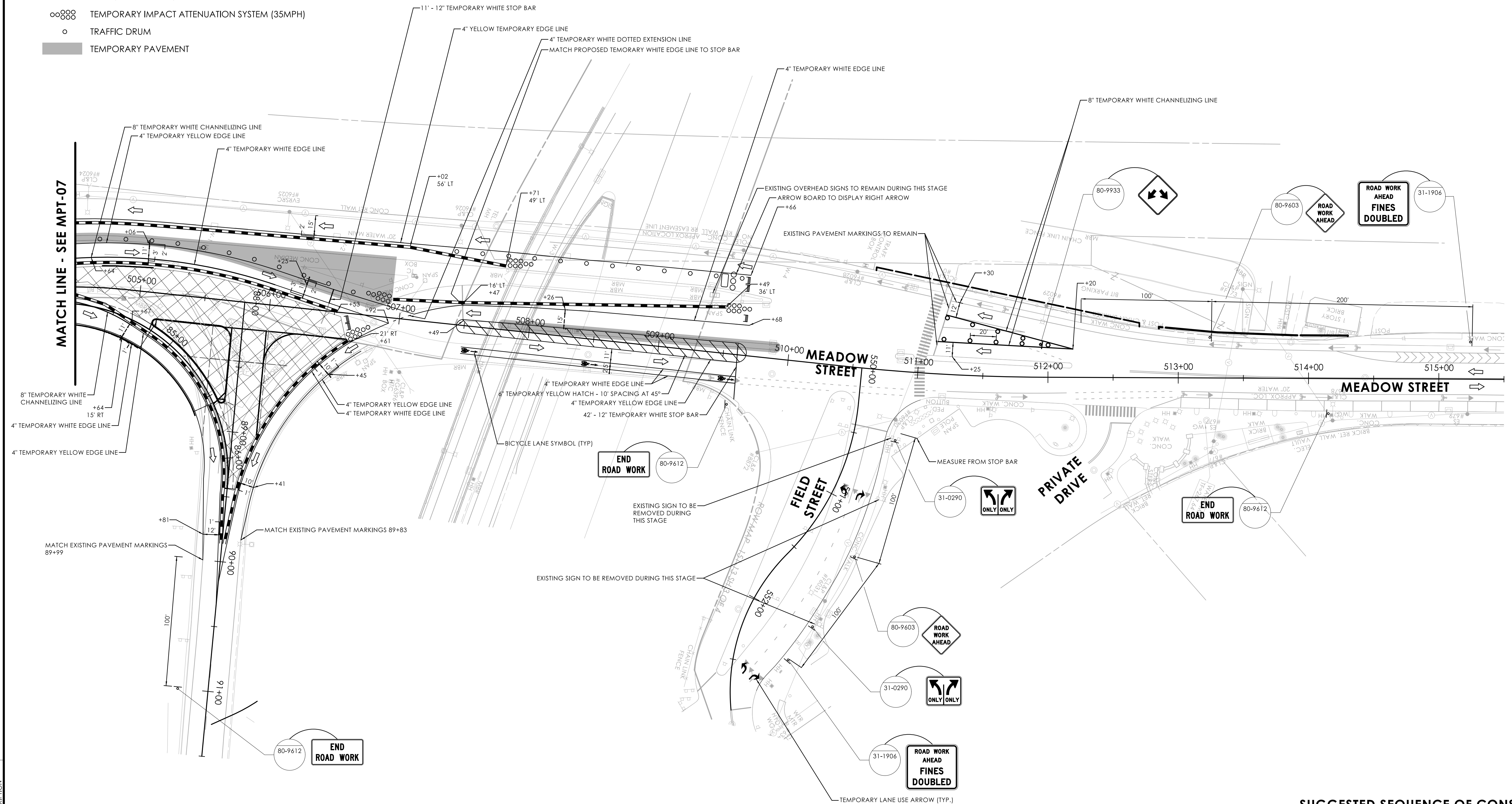
1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
4. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.



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PLOTTED DATE: 7/16/2025

	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM
	TEMPORARY PAVEMENT

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.



REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

SIGNATURE BLOCK:			CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: MAINTENANCE & PROTECTION OF TRAFFIC - MEADOW STREET - STAGE 3	PROJECT NO.: 0151-0340	DRAWING NO.: MP1-08
DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER								

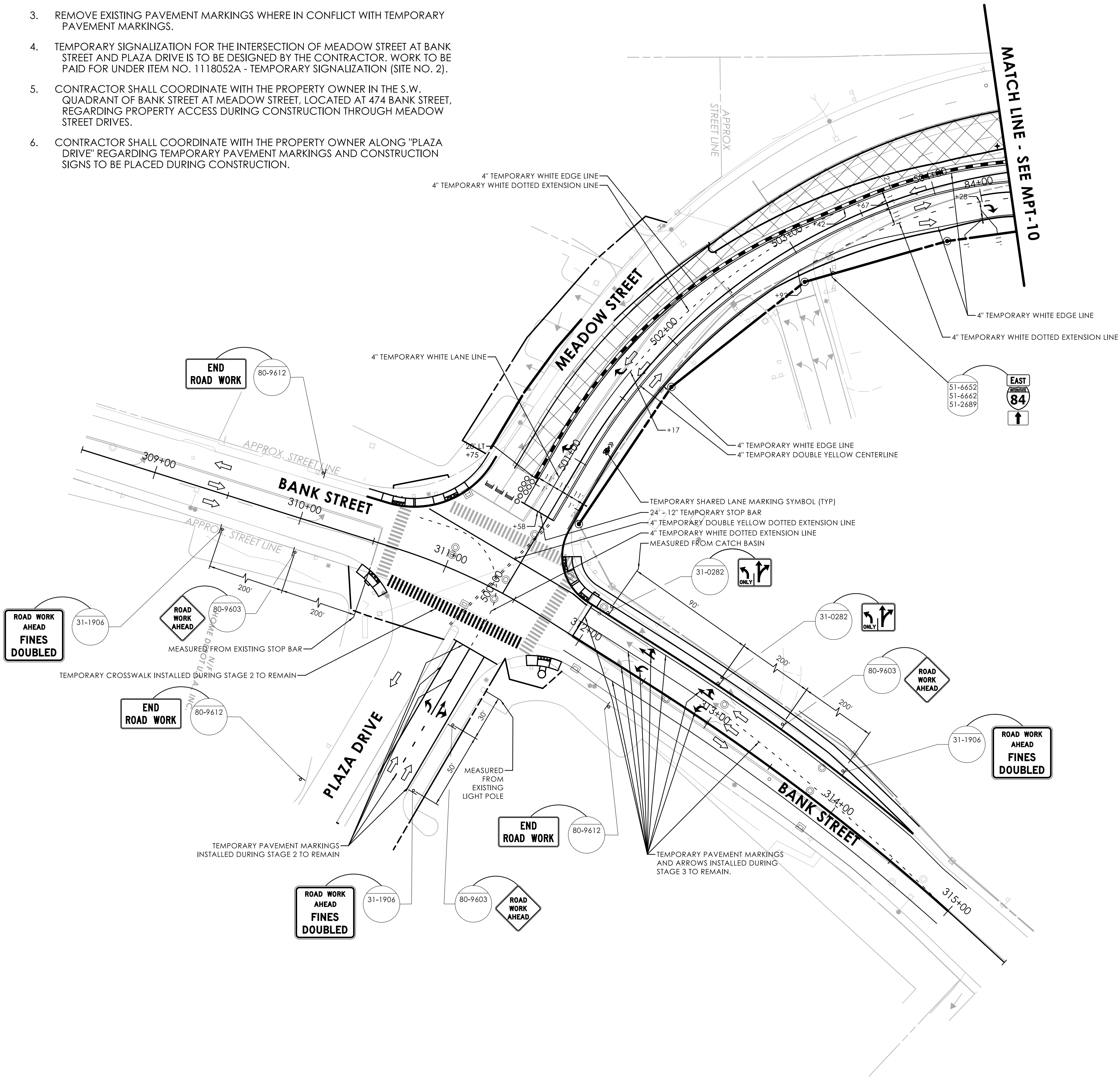
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PLOTTED DATE: 7/16/2025

LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- TEMPORARY PAVEMENT
- ARROW BOARD

MPT PLAN NOTES

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
4. TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT BANK STREET AND PLAZA DRIVE IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118052A - TEMPORARY SIGNALIZATION (SITE NO. 2).
5. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER IN THE S.W. QUADRANT OF BANK STREET AT MEADOW STREET, LOCATED AT 474 BANK STREET, REGARDING PROPERTY ACCESS DURING CONSTRUCTION THROUGH MEADOW STREET DRIVES.
6. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.



MEADOW STREET - STAGE 4

SUGGESTED SEQUENCE OF CONSTRUCTION

REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

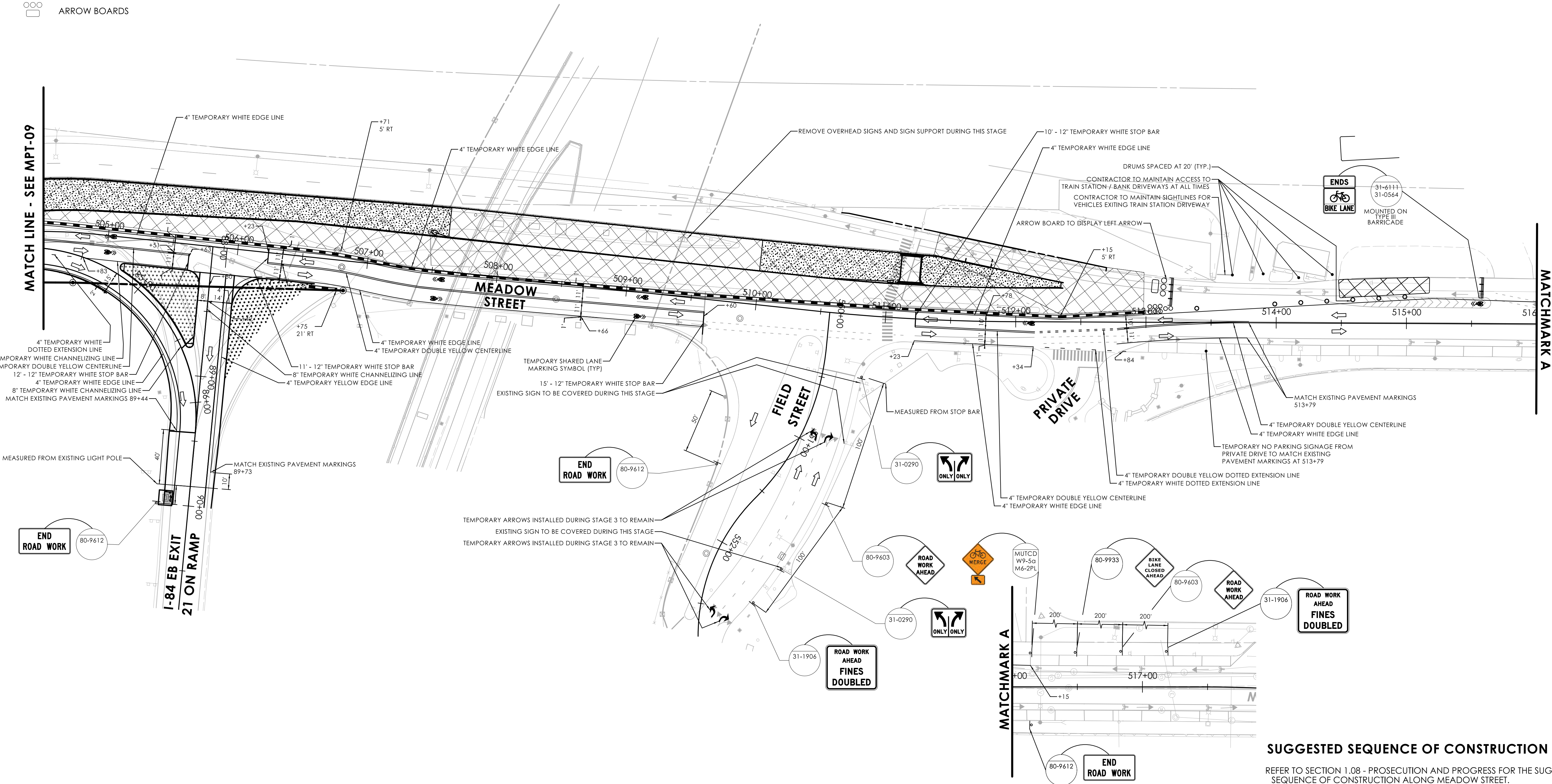
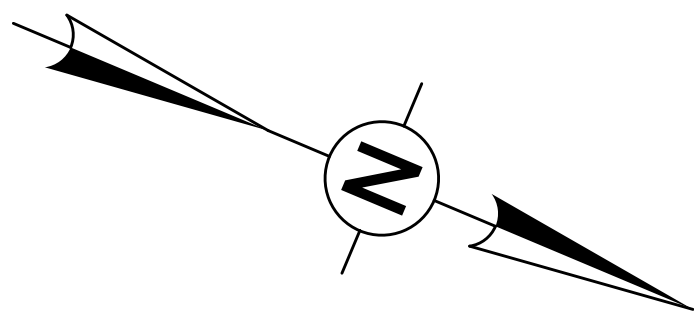
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LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- TEMPORARY PAVEMENT
- ARROW BOARDS

MPT PLAN NOTES

- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
- ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
- REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
- TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT I-84 EB EXIT 21 ON RAMP IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118053A - TEMPORARY SIGNALIZATION (SITE NO. 3).
- TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT FIELD STREET IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118054A - TEMPORARY SIGNALIZATION (SITE NO. 4).
- REFER TO DTR-05 FOR TRUCK DETOUR AROUND FIELD STREET.



MEADOW STREET - STAGE 4

DETAIL "A"

SUGGESTED SEQUENCE OF CONSTRUCTION

REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

REV.	DATE	REVISION DESCRIPTION

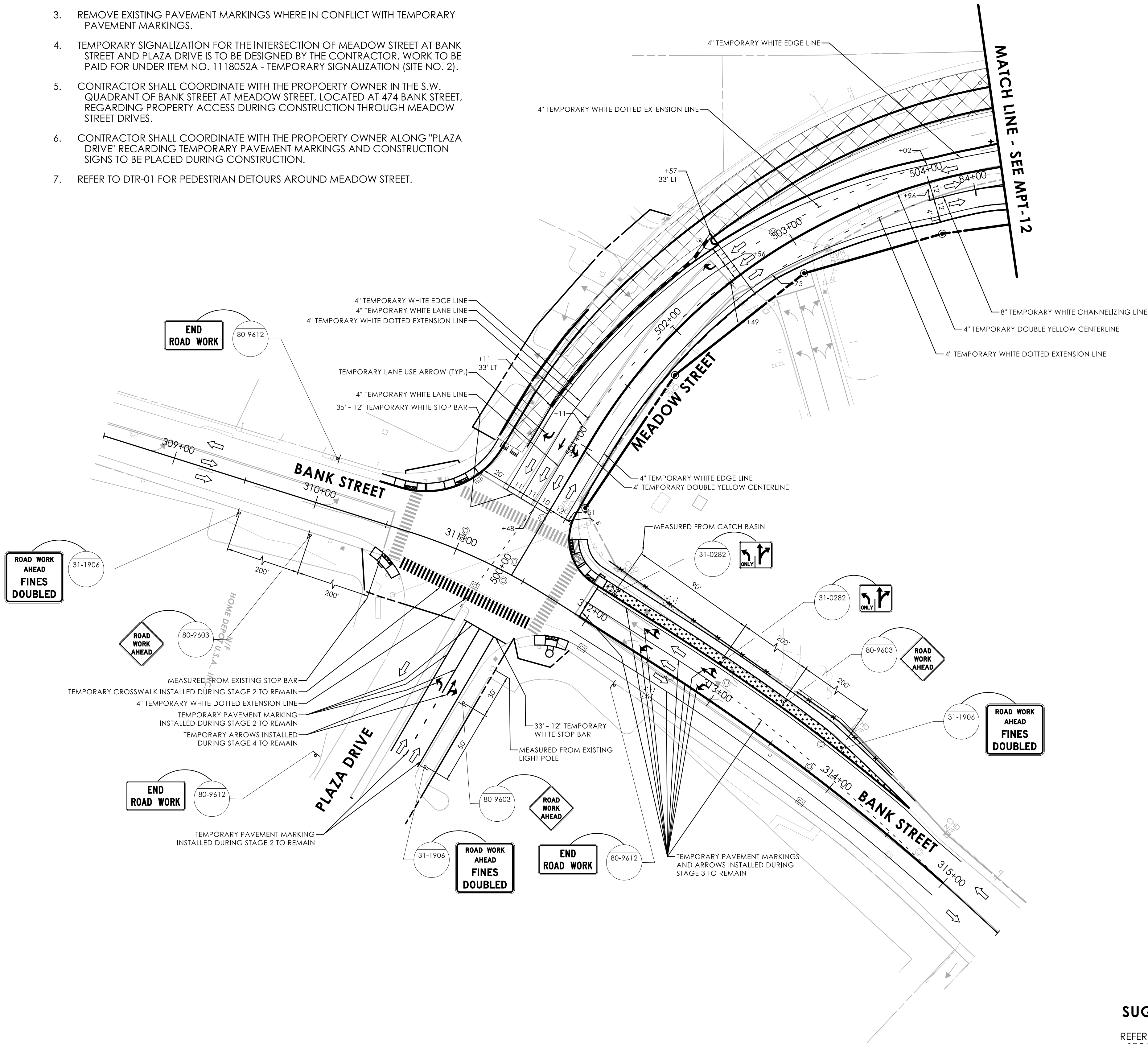
SIGNATURE BLOCK: DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER		PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP		TOWN(S): WATERBURY		DRAWING TITLE: MAINTENANCE & PROTECTION OF TRAFFIC - MEADOW STREET - STAGE 4		PROJECT NO.: 0151-0340		DRAWING NO.: MPT-10 SHEET NO.: 07.11	
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LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- ARROW BOARD

MPT PLAN NOTES

- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
- ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
- REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
- TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT BANK STREET AND PLAZA DRIVE IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118052A - TEMPORARY SIGNALIZATION (SITE NO. 2).
- CONTRACTOR SHALL COORDINATE WITH THE PROPOERTY OWNER IN THE S.W. QUADRANT OF BANK STREET AT MEADOW STREET, LOCATED AT 474 BANK STREET, REGARDING PROPERTY ACCESS DURING CONSTRUCTION THROUGH MEADOW STREET DRIVES.
- CONTRACTOR SHALL COORDINATE WITH THE PROPOERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.
- REFER TO DTR-01 FOR PEDESTRIAN DETOURS AROUND MEADOW STREET.



MEADOW STREET - STAGE 5

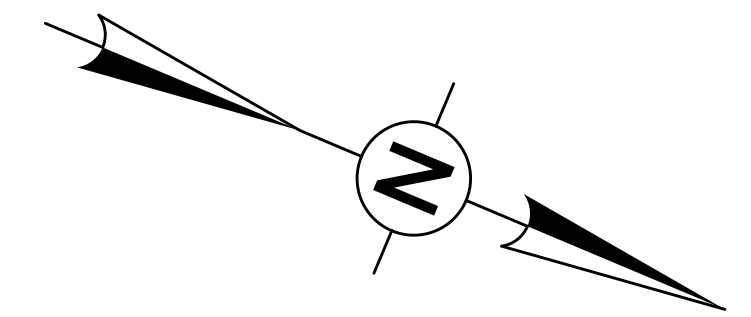
SUGGESTED SEQUENCE OF CONSTRUCTION

REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

REV.	DATE	REVISION DESCRIPTION	SUGGESTED SEQUENCE OF CONSTRUCTION REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.								
			MEADOW STREET - STAGE 5								
			SIGNATURE BLOCK: PLANNING DESIGNED BY: S. SEPERACK CHECKED BY: M. KURKER DATE: 07/16/2025 FILE NAME: G:\JOB522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Traffic\Contract_Plans\TR_CP_0151-0340_MPT-11_12.dgn 0 40' 80' HORIZONTAL SCALE 1" = 40' CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION		PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP		TOWN(S): WATERBURY		DRAWING TITLE: MAINTENANCE & PROTECTION OF TRAFFIC - MEADOW STREET - STAGE 5		PROJECT NO.: 0151-0340

	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM
	ARROW BOARD

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
4. TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT I-84 EB EXIT 21 ON RAMP IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118053A - TEMPORARY SIGNALIZATION (SITE NO. 3).
5. TEMPORARY SIGNALIZATION FOR THE INTERSECTION OF MEADOW STREET AT FIELD STREET IS TO BE DESIGNED BY THE CONTRACTOR. WORK TO BE PAID FOR UNDER ITEM NO. 1118054A - TEMPORARY SIGNALIZATION (SITE NO. 4).
6. REFER TO DTR-01 FOR PEDESTRIAN DETOURS AROUND MEADOW STREET.



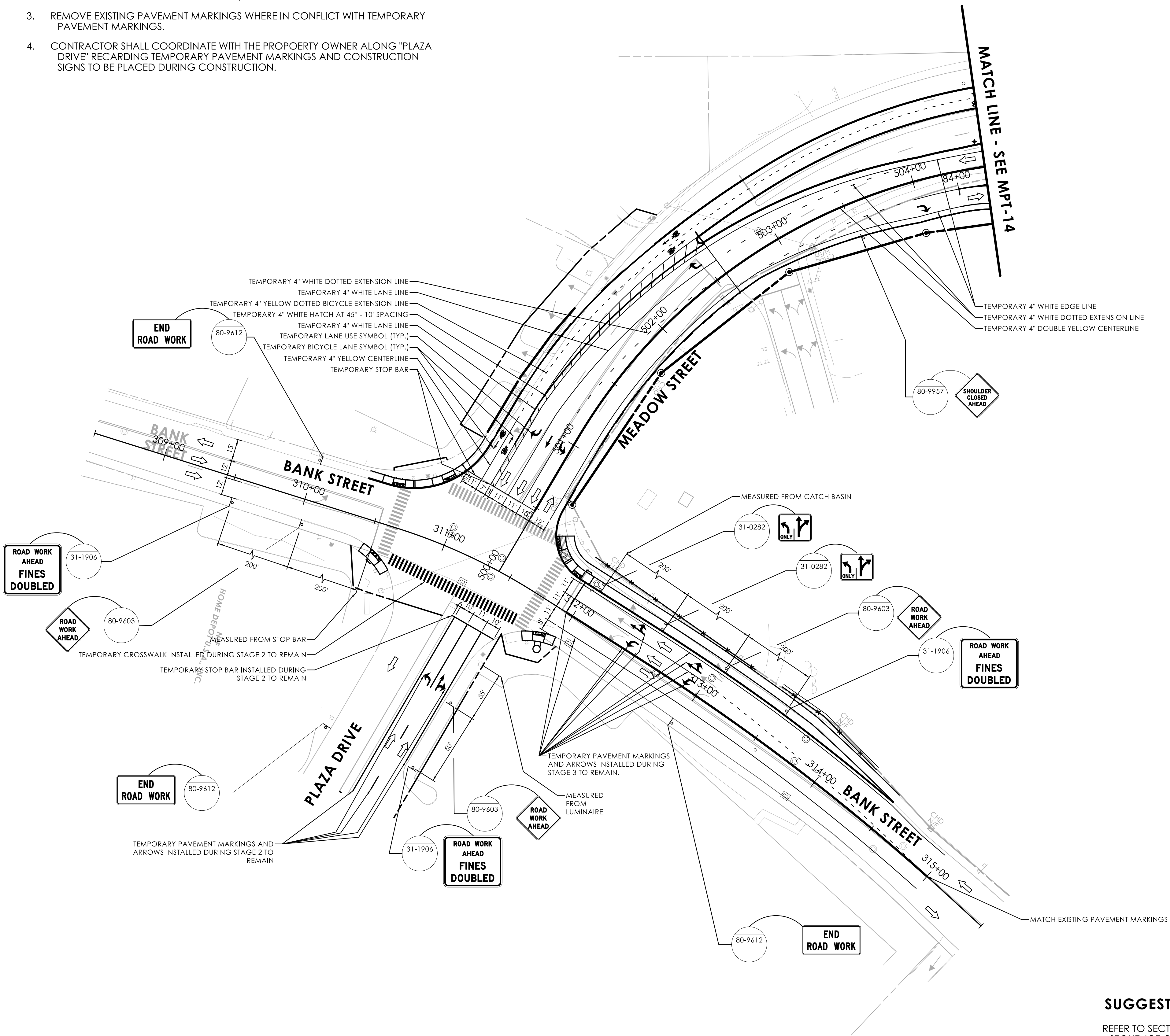
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PLOTTED DATE: 7/16/2025

LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM

MPT PLAN NOTES

- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
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- CONTRACTOR SHALL COORDINATE WITH THE PROPOERTY OWNER ALONG "PLAZA DRIVE" REGARDING TEMPORARY PAVEMENT MARKINGS AND CONSTRUCTION SIGNS TO BE PLACED DURING CONSTRUCTION.



SUGGESTED SEQUENCE OF CONSTRUCTION

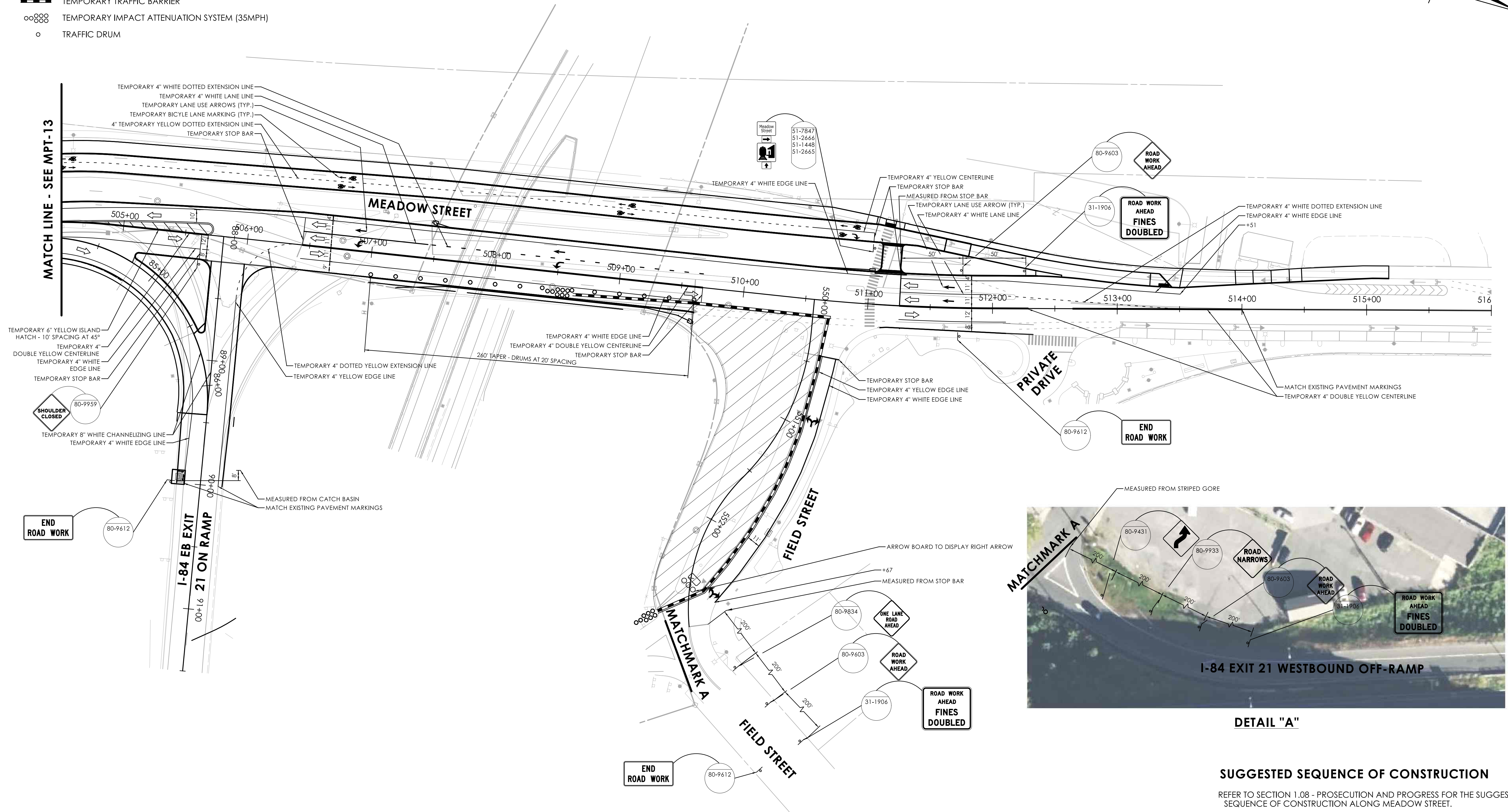
REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

MEADOW STREET - STAGE 6

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	WORK AREA
	SINGLE POST CONSTRUCTION SIGN
	DOUBLE POST CONSTRUCTION SIGN
	TRAFFIC FLOW ARROW
	BARRICADE WARNING LIGHTS - HIGH INTENSITY
	TYPE III BARRICADE
	TEMPORARY TRAFFIC BARRIER
	TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
	TRAFFIC DRUM

1. SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
2. ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
3. REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.
4. REFER TO DTR-01 FOR PEDESTRIAN DETOURS AROUND MEADOW STREET.
5. REFER TO DTR-04 FOR VEHICULAR DETOUR AROUND FIELD STREET AND REFER TO DTR-05 FOR TRUCK DETOUR AROUND FIELD STREET.



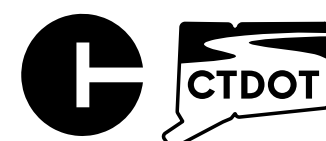
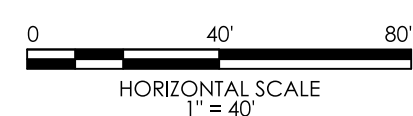
REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION ALONG MEADOW STREET.

[illegible]

SIGNATURE BLOCK: *Natalie S. Lake*

 BE COMPLETED
BY THE COMMISSIONER
OF REVENUE
DATE: 01/04/2012

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

**MAINTENANCE &
PROTECTION OF TRAFFIC -
MEADOW STREET - STAGE 6**

PROJECT NO.:	
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0151-0340	SHE
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DRAWING NO.:

DRAWING NO.:
MPT-14

SHEET NO.:
07.15

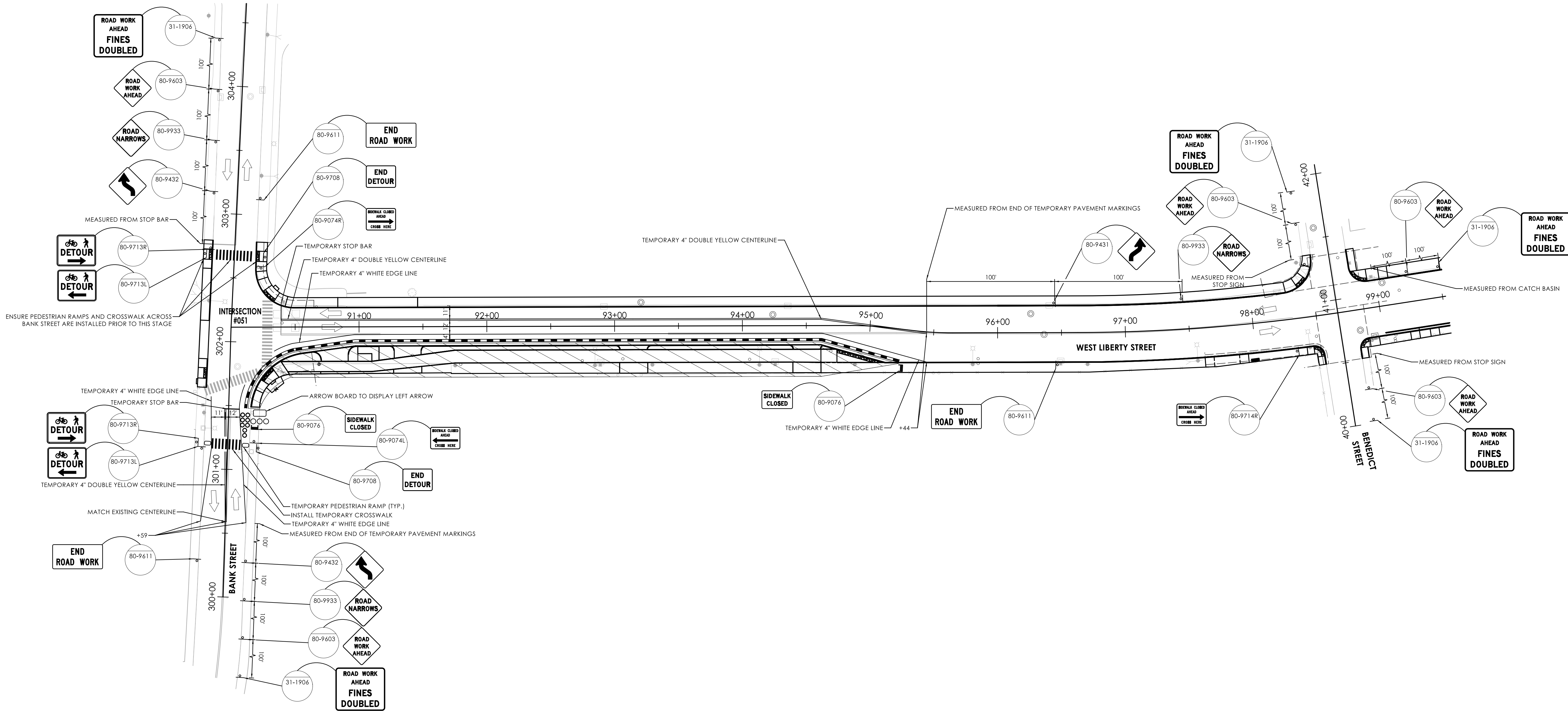
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PLOTTED DATE: 7/16/2025

LEGEND

- WORK AREA
- SINGLE POST CONSTRUCTION SIGN
- DOUBLE POST CONSTRUCTION SIGN
- TRAFFIC FLOW ARROW
- BARRICADE WARNING LIGHTS - HIGH INTENSITY
- TYPE III BARRICADE
- TEMPORARY TRAFFIC BARRIER
- TEMPORARY IMPACT ATTENUATION SYSTEM (35MPH)
- TRAFFIC DRUM
- TEMPORARY PEDESTRIAN RAMP
- ARROW BOARD

MPT PLAN NOTES

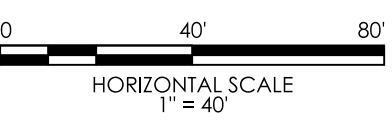
- SEE MPT-01 FOR GENERAL NOTES AND BARRIER NOTES.
- ALL PAVEMENT MARKINGS ARE EXISTING, EXCEPT WHERE NOTED.
- REMOVE EXISTING PAVEMENT MARKINGS WHERE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS.



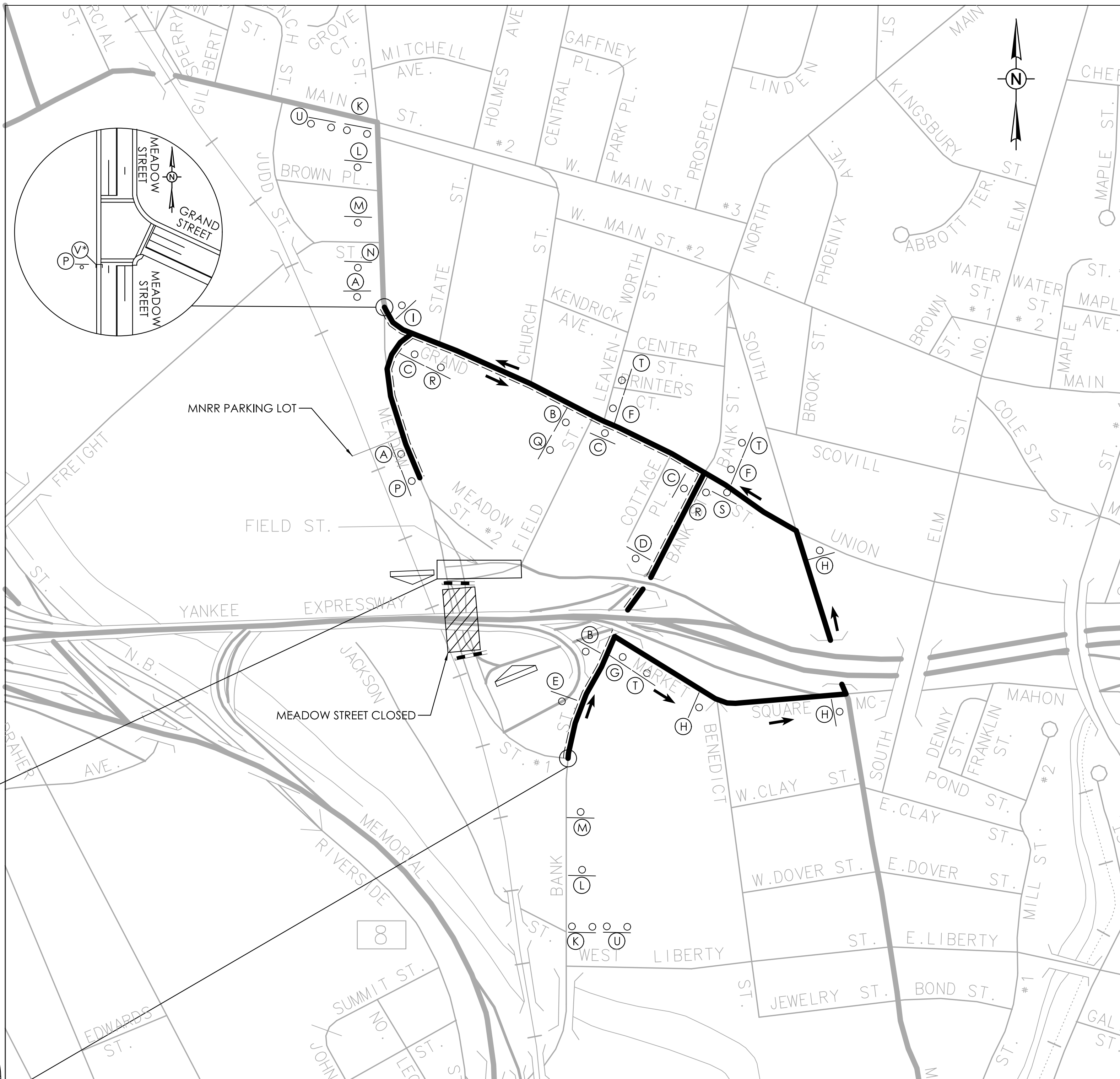
SUGGESTED SEQUENCE OF CONSTRUCTION

REFER TO SECTION 1.08 - PROSECUTION AND PROGRESS FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION.

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER	 HORIZONTAL SCALE 1" = 40'	 CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: MAINTENANCE & PROTECTION OF TRAFFIC - WEST LIBERTY STREET	PROJECT NO.: 0151-0340	DRAWING NO.: MPT-15 SHEET NO.: 07.16
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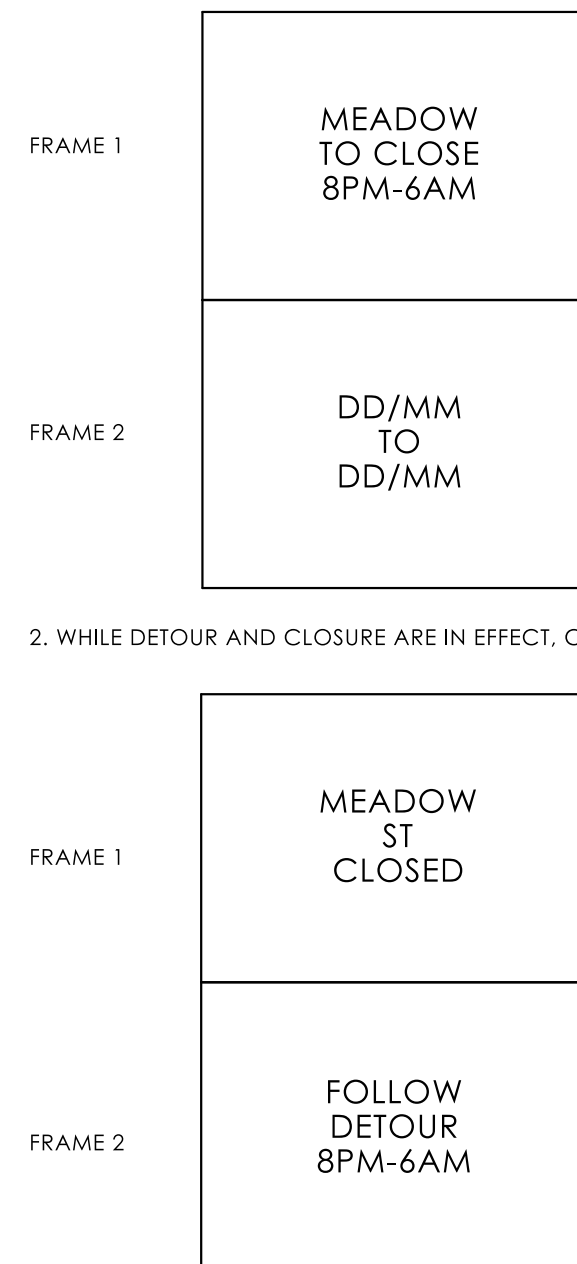
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	80-9710L	{ DETOUR ← }
(B)	80-9916	{ Meadow St SB }
	80-9710V	{ DETOUR ↑ }
(C)	80-9916	{ Meadow St SB }
	80-9710R	{ DETOUR → }
(D)	80-9916	{ Meadow St SB }
	80-9710VL	{ DETOUR ↖ }
(E)	80-9916	{ Meadow St SB }
	80-9708	{ END DETOUR }
(F)	80-9916	{ Meadow St NB }
	80-9710V	{ DETOUR ↑ }
(G)	80-9916	{ Meadow St NB }
	80-9710R	{ DETOUR → }
(H)	80-9916	{ Meadow St NB }
	80-9710L	{ DETOUR ← }
(I)	80-9916	{ Meadow St NB }
	80-9708	{ END DETOUR }
(J)	80-9080	{ ROAD CLOSED }
(K)	80-1608	{ CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED Pedestrians detouring left, right, rear, back-left, back-right }
(L)	31-1906	{ AHEAD FINES DOUBLED }
(M)	80-9603	{ ROAD WORK AHEAD }
(N)	80-9928	{ ROAD CLOSED 500 FEET AHEAD LOCAL TRAFFIC ONLY }
(O)	80-9702	{ ← DETOUR }
(P)	80-9916	{ Meadow St SB }
	80-9713L	{ 🚲 🚶 DETOUR ← }
(Q)	80-9916	{ Meadow St SB }
	80-9713V	{ 🚲 🚶 DETOUR ↑ }
(R)	80-9916	{ Meadow St SB }
	80-9713R	{ 🚲 🚶 DETOUR → }
(S)	80-9916	{ Meadow St NB }
	80-9713L	{ 🚲 🚶 DETOUR ← }
(T)	80-9916	{ Meadow St NB }
	80-9713V	{ 🚲 🚶 DETOUR ↑ }
(U)	80-1619	{ CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED Pedestrians detouring left, right, rear, back-left, back-right }
(V)	80-9076	{ SIDEWALK CLOSED }
(W)	31-1603	{ 🚫 }



1. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PRIOR TO THE IMPLEMENTATION OF THE DETOUR.
2. ALL EXISTING CONFLICTING SIGNS TO BE COVERED OR REMOVED WHILE DETOUR IS IN EFFECT.
3. DETOUR SIGNS ARE PAYABLE UNDER ITEM NO.1220027A - CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SUCH THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. DETOUR SIGNS ARE ONLY TO BE POSTED WHILE THE DETOUR IS IN EFFECT. THEY SHALL BE COVERED OR REMOVED WHILE DETOUR IS NOT OPERATIONAL.
6. ANY EXISTING SIGNS DAMAGED BY THE CONSTRUCTION SHALL BE REPLACED AT NO COST TO THE STATE.
7. ALL CONSTRUCTION / DETOUR SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS PER CTDOT STANDARD SHEETS TR-1208.01, TR-1208.02, AND TR-1220.02.
8. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
10. TWO WEEKS PRIOR TO INITIATING THE DETOUR: THE CONTRACTOR SHALL INSTALL 2 CMS (ITEM NO. 1131002 - REMOTE CONTROL CHANGEABLE MESSAGE SIGN):
-ONE AT THE INTERSECTION OF WEST MAIN STREET AT GRAND STREET AND MEADOW STREET
-ONE AT THE INTERSECTION OF BANK STREET AND MEADOW STREET
FINAL LOCATION FOR ALL CMS SHALL BE FIELD VERIFIED BY THE ENGINEER. ALL CMS SHALL REMAIN FOR THE DURATION OF THE DETOUR.
11. ALL DETOUR SIGNS TO BE INSTALLED PRIOR TO THE ROADWAY CLOSURE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO THE START OF THE ROADWAY CLOSURE. THE ENGINEER WILL THEN NOTIFY THE CITY OF WATERBURY AND ALL EMERGENCY SERVICES.
13. THE CONTRACTOR IS TO MAINTAIN ALL DETOUR SIGNS DURING THE ROADWAY CLOSURE.
14. THE LOCATIONS OF CONSTRUCTION BARRICADES TYPE III SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE INSTALLED FULLY ACROSS THE ROAD AND ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
15. INSTALL ITEM NO. 0979004A - CONSTRUCTION BARRICADE DETECTABLE TO FULLY CLOSE THE SIDEWALK TO PEDESTRIANS. INSTALL SIGN NO.80-9076 (SIDEWALK CLOSURE).
16. ADVANCE SIGNS TO BE ONLY INSTALLED IF THE ADVANCE SIGNS SHOWN ON THE MPT SUBSET ARE NOT IN PLACE WHEN THIS PLAN IS USED.

SIGN POST - MOUNTED SIGN	
TWO SIGN POSTS - MOUNTED SIGN	
BARRICADE MOUNTED SIGN	
CONSTRUCTION BARRICADE TYPE III	
CHANGEABLE MESSAGE SIGN	
PEDESTRIAN DETOUR ROUTE	
VEHICULAR DETOUR ROUTE	
TEMPORARY TRAFFIC BARRIER	
WORK AREA	

1. CMS SHALL DISPLAY THE FOLLOWING MESSAGES PRIOR TO MEADOW STREET CLOSURE:



3. CMS MESSAGE TO BE THREE (3) LINES MAX. WITH NO MORE THAN EIGHT (8) CHARACTERS PER LINE.

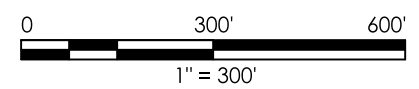
4. CMS BOARDS SHALL BE INSTALLED AT LOCATIONS SHOWN TWO WEEKS PRIOR TO THE RAMP CLOSURES AND DISPLAY RESPECTIVE MESSAGES SHOWN ABOVE.

[illegible]

SIGNATURE BLOCK: *Michael Stach*

 80 Colorado
200 Constitution Plaza
Denver, CO 80202

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

DETOUR PLAN - MEADOW STREET CLOSURE

PROJECT NO.:
0151-0340

DRAWING NO.:	DTR-01
SHEET NO.:	07.17

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PLOTTED DATE: 7/16/2025

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51-6652 ()
51-6662 ()
51-2685 ()

(B) 80-9707 ()
51-6652 ()
51-6662 ()
51-2686R ()

(C) 80-9707 ()
51-6652 ()
51-6662 ()
51-2686L ()

(D) 80-9708 ()

(E) 31-1119 ()

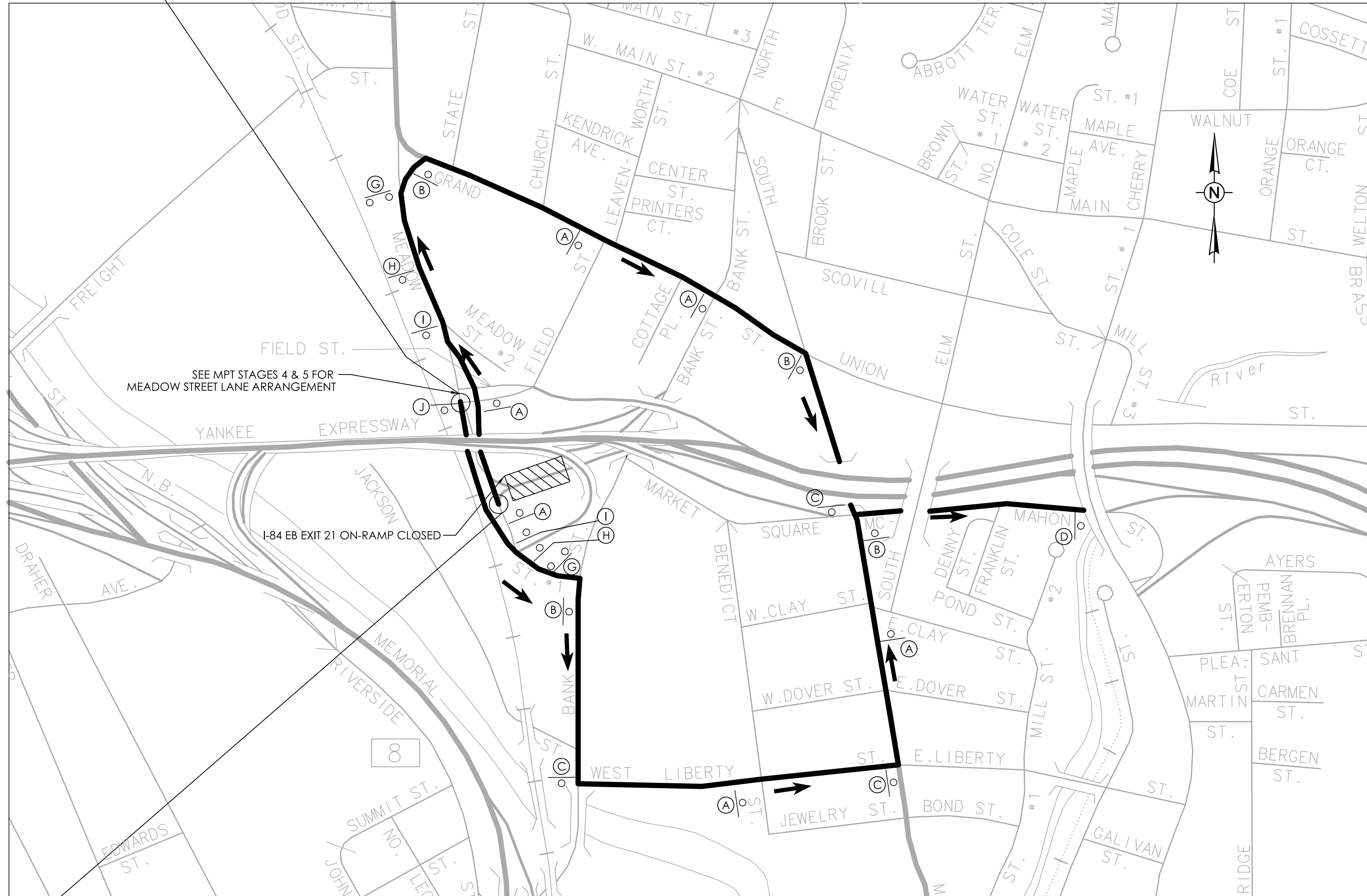
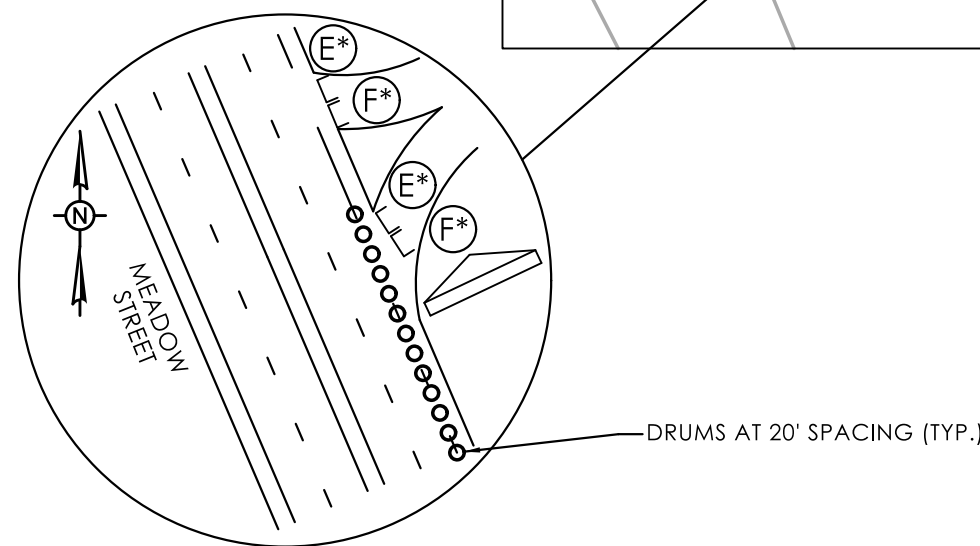
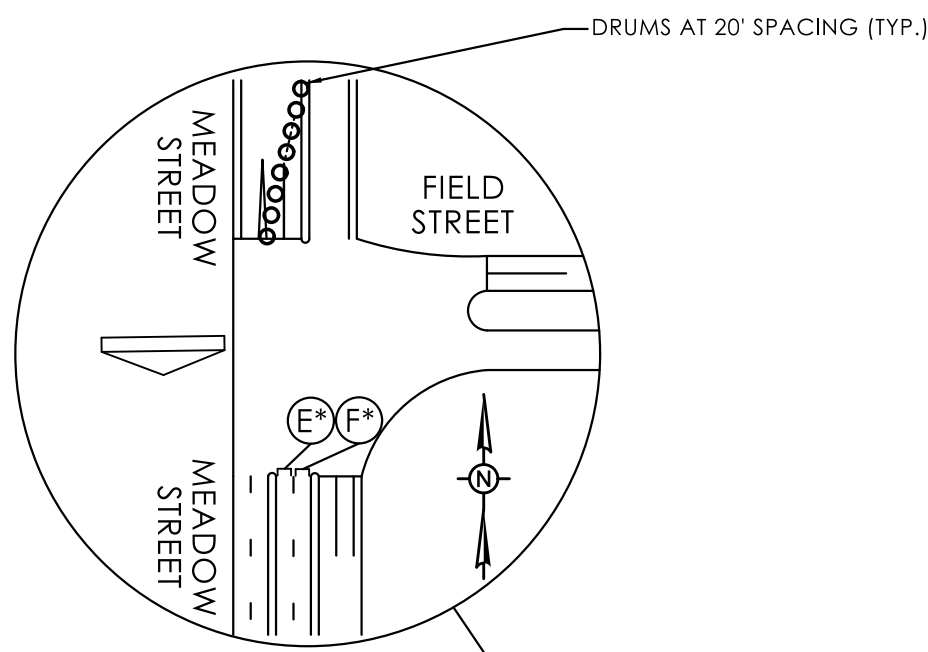
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(H) 31-1906 ()

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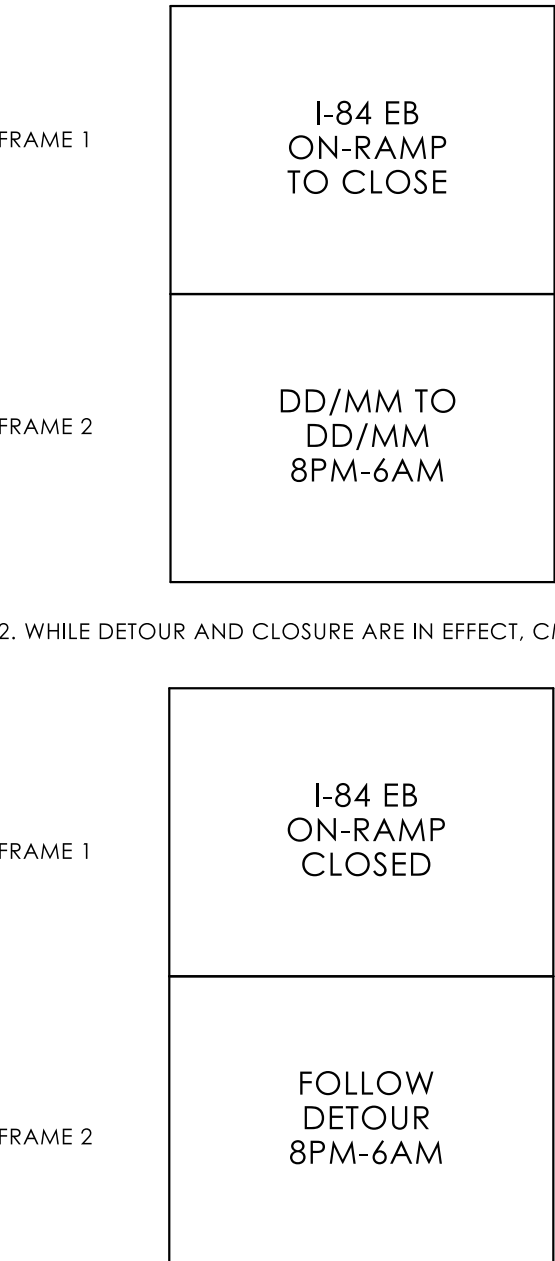
(J) 80-9707 ()
51-6652 ()
51-6652 ()
51-2689 ()



1. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PRIOR TO THE IMPLEMENTATION OF THE DETOUR.
2. ALL EXISTING CONFLICTING SIGNS TO BE COVERED OR REMOVED WHILE DETOUR IS IN EFFECT.
3. DETOUR SIGNS ARE PAYABLE UNDER ITEM NO. 1220027A - CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SUCH THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. DETOUR SIGNS ARE ONLY TO BE POSTED WHILE THE DETOUR IS IN EFFECT. THEY SHALL BE COVERED OR REMOVED WHILE DETOUR IS NOT OPERATIONAL.
6. ANY EXISTING SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
7. ALL CONSTRUCTION / DETOUR SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS PER CTDOT STANDARD SHEETS TR-1208_01, TR-1208_02, AND TR-1220_02.
8. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
10. TWO WEEKS PRIOR TO INITIATING THE DETOUR, THE CONTRACTOR SHALL INSTALL 2 CMS (ITEM NO. 1131002 - REMOTE CONTROL CHANGEABLE MESSAGE SIGN):
 - ONE AT THE INTERSECTION OF MEADOW STREET AND I-84 EB ON-RAMP
 - ONE AT THE INTERSECTION OF MEADOW STREET AT FIELD STREETFINAL LOCATION FOR ALL CMS SHALL BE FIELD VERIFIED BY THE ENGINEER. ALL CMS SHALL REMAIN FOR THE DURATION OF THE DETOUR.
11. ALL DETOUR SIGNS TO BE INSTALLED PRIOR TO THE ROADWAY CLOSURE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO THE START OF THE ROADWAY CLOSURE. THE ENGINEER WILL THEN NOTIFY THE CITY OF WATERBURY AND ALL EMERGENCY SERVICES.
13. THE CONTRACTOR IS TO MAINTAIN ALL DETOUR SIGNS DURING THE ROADWAY CLOSURE.
14. THE LOCATIONS OF CONSTRUCTION BARRICADES TYPE III SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE INSTALLED FULLY ACROSS THE ROAD AND ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
15. ADVANCE SIGNS TO BE ONLY INSTALLED IF THE ADVANCE SIGNS SHOWN ON THE MPT SUBSET ARE NOT IN PLACE WHEN THIS PLAN IS USED.

SIGN POST - MOUNTED SIGN	
TWO SIGN POSTS - MOUNTED SIGN	
BARRICADE MOUNTED SIGN	
CONSTRUCTION BARRICADE TYPE III	
CHANGEABLE MESSAGE SIGN	
WORK AREA	

1. CMS SHALL DISPLAY THE FOLLOWING MESSAGES PRIOR TO I-84 EB ON-RAMP CLOSURE:



3. CMS MESSAGE TO BE THREE (3) LINES MAX. WITH NO MORE THAN EIGHT (8) CHARACTERS PER LINE.

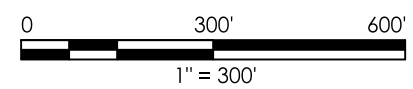
4. CMS BOARDS SHALL BE INSTALLED AT LOCATIONS SHOWN TWO WEEKS PRIOR TO THE RAMP CLOSURES AND DISPLAY RESPECTIVE MESSAGES SHOWN ABOVE.

[illegible]

SIGNATURE BLOCK: *Robert H. Kiefer*

 By: _____
 Title: _____
 Date: _____

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

DETOUR PLAN - I-84 EB EXIT 21 ON-RAMP CLOSURE

PROJECT NO.:

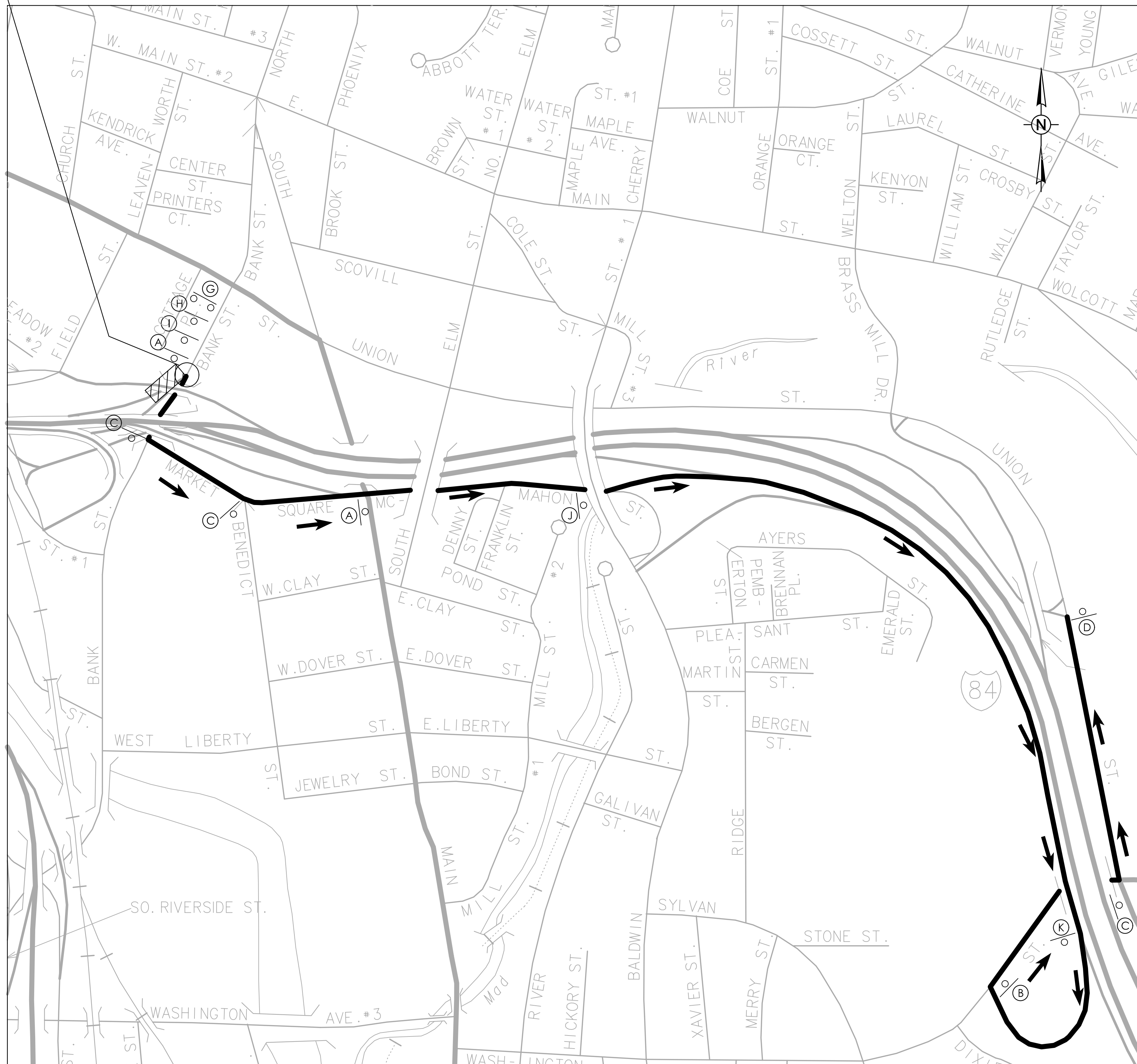
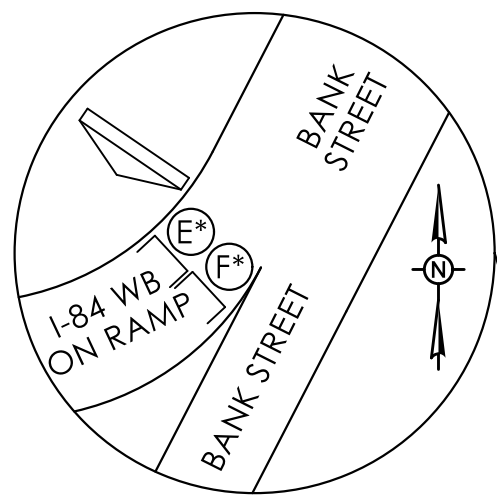
0151-0340

DRAWING NO.:

DRAWING NO.: **DTR-02**
SHEET NO.: **07.18**

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PLOTTED DATE: 7/16/2025

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 (I) 80-9603 { }
 (J) 80-9707 { }
 51-6654 { }
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 51-2688 { }
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 51-6658 { }
 51-6666 { }
 51-2614 { }



1. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PRIOR TO THE IMPLEMENTATION OF THE DETOUR.
2. ALL EXISTING CONFLICTING SIGNS TO BE COVERED OR REMOVED WHILE DETOUR IS IN EFFECT.
3. DETOUR SIGNS ARE PAYABLE UNDER ITEM NO. 1.220027A - CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SUCH THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. DETOUR SIGNS ARE ONLY TO BE POSTED WHILE THE DETOUR IS IN EFFECT. THEY SHALL BE COVERED OR REMOVED WHILE DETOUR IS NOT OPERATIONAL.
6. ANY EXISTING SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
7. ALL CONSTRUCTION / DETOUR SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS PER CTDOT STANDARD SHEETS TR-1208_01, TR-1208_02, AND TR-1220_02.
8. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
10. TWO WEEKS PRIOR TO INITIATING THE DETOUR: THE CONTRACTOR SHALL INSTALL ONE CMS (ITEM NO. 1.131002 - REMOTE CONTROL CHANGEABLE MESSAGE SIGN) AT THE INTERSECTION OF -BANK STREET AT I-84 WB ON-RAMP.
-FINAL LOCATION FOR ALL CMS SHALL BE FIELD VERIFIED BY THE ENGINEER. ALL CMS SHALL REMAIN FOR THE DURATION OF THE DETOUR.
11. ALL DETOUR SIGNS TO BE INSTALLED PRIOR TO THE ROADWAY CLOSURE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO THE START OF THE ROADWAY CLOSURE. THE ENGINEER WILL THEN NOTIFY THE CITY OF WATERBURY AND ALL EMERGENCY SERVICES.
13. THE CONTRACTOR IS TO MAINTAIN ALL DETOUR SIGNS DURING THE ROADWAY CLOSURE.
14. THE LOCATIONS OF CONSTRUCTION BARRICADES TYPE III SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE INSTALLED FULLY ACROSS THE ROAD AND ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
15. ADVANCE SIGNS TO BE ONLY INSTALLED IF THE ADVANCE SIGNS SHOWN ON THE MPT SUBSET ARE NOT IN PLACE WHEN THIS PLAN IS USED.

SIGN POST - MOUNTED SIGN	
TWO SIGN POSTS - MOUNTED SIGN	
BARRICADE MOUNTED SIGN	
CONSTRUCTION BARRICADE TYPE III	
CHANGEABLE MESSAGE SIGN	
WORK AREA	

1. CMS SHALL DISPLAY THE FOLLOWING MESSAGES PRIOR TO I-84 WB ON-RAMP CLOSURE:

FRAME 1	I-84 WB ON-RAMP TO CLOSE
FRAME 2	DD/MM TO DD/MM 8PM-6AM

2. WHILE DETOUR AND CLOSURE ARE IN EFFECT,

FRAME 1	I-84 WB ON-RAMP CLOSED
FRAME 2	FOLLOW DETOUR 8PM-6AM

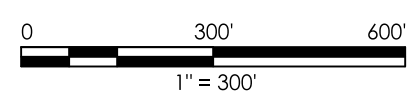
3. CMS MESSAGE TO BE THREE (3) LINES MAX. WITH NO MORE THAN EIGHT (8) CHARACTERS PER LINE.

4. CMS BOARDS SHALL BE INSTALLED AT LOCATIONS SHOWN TWO WEEKS PRIOR TO THE RAMP CLOSURES AND DISPLAY RESPECTIVE MESSAGES SHOWN ABOVE.

[illegible]

SIGNATURE BLOCK:  *Richard A. Fisher*
R. A. FISHER
COUNTY CLERK/CLERK OF SUPERIOR COURT
COUNTY OF CONTRA COSTA
CONTRA COSTA, CALIFORNIA

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE: **REMOVAL OF I-84 EASTBOUND
EXIT 21 OFF-RAMP**

TOWN(S):

WATERBURY

DRAWING TITLE:

**DETOUR PLAN - I-84 WB
ON-RAMP CLOSURE**

PROJECT NO.:	DRAWING NO.:
0151-0340	DTR-03
	SHEET NO.:
	07 19

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PLOTTED DATE: 7/16/2025

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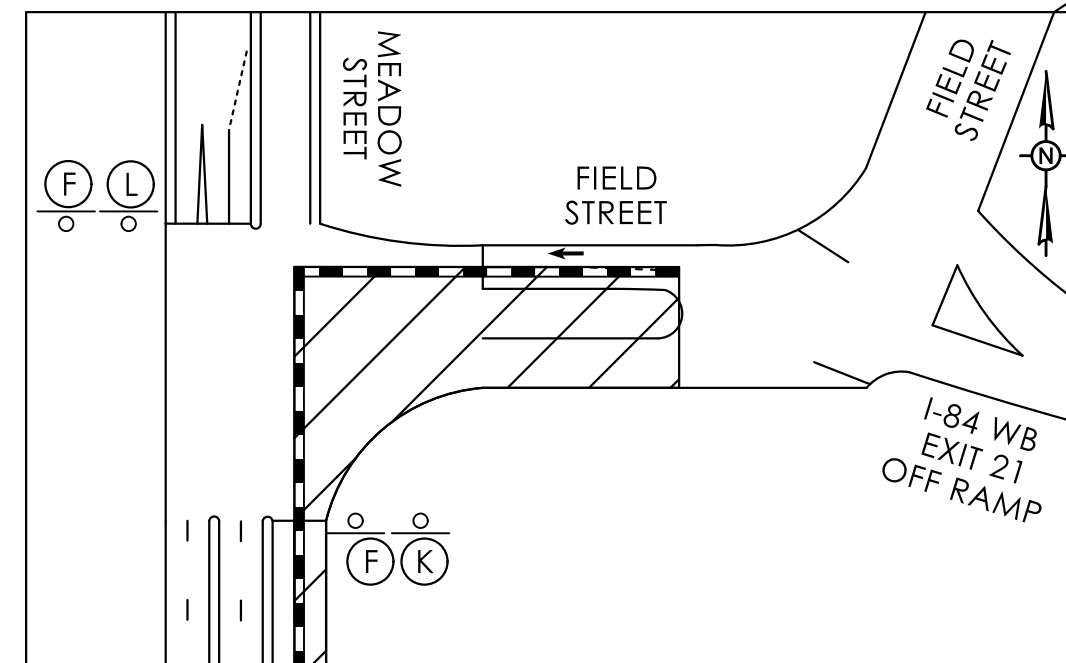
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(K) 31-1627 { }

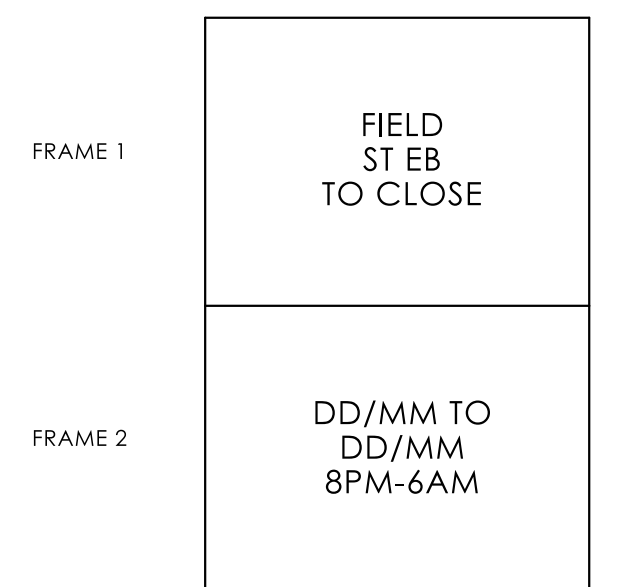
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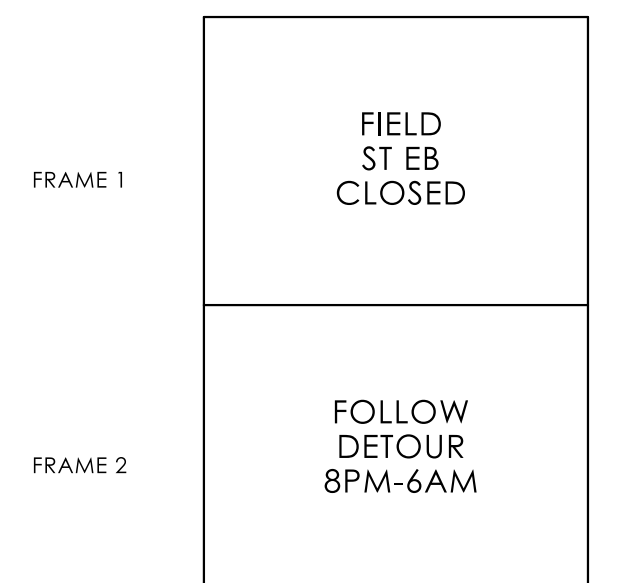
1. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PRIOR TO THE IMPLEMENTATION OF THE DETOUR.
2. ALL EXISTING CONFLICTING SIGNS TO BE COVERED OR REMOVED WHILE DETOUR IS IN EFFECT.
3. DETOUR SIGNS ARE PAYABLE UNDER ITEM NO. 1220027A - CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SUCH THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. DETOUR SIGNS ARE ONLY TO BE POSTED WHILE THE DETOUR IS IN EFFECT. THEY SHALL BE COVERED OR REMOVED WHILE DETOUR IS NOT OPERATIONAL.
6. ANY EXISTING SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
7. ALL CONSTRUCTION / DETOUR SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS PER CTDOT STANDARD SHEETS TR-1208_01, TR-1208_02, AND TR-1220_02.
8. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
10. TWO WEEKS PRIOR TO INITIATING THE DETOUR: THE CONTRACTOR SHALL INSTALL TWO CMS (ITEM NO. 1131002 - REMOTE CONTROL CHANGEABLE MESSAGE SIGN):
 - ONE AT THE INTERSECTION OF MEADOW STREET AT FIELD STREET.
 - ONE AT THE INTERSECTION OF MEADOW STREET AT I-84 EB ON-RAMP.FINAL LOCATION FOR ALL CMS SHALL BE FIELD VERIFIED BY THE ENGINEER. ALL CMS SHALL REMAIN FOR THE DURATION OF THE DETOUR.
11. ALL DETOUR SIGNS TO BE INSTALLED PRIOR TO THE ROADWAY CLOSURE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO THE START OF THE ROADWAY CLOSURE. THE ENGINEER WILL THEN NOTIFY THE CITY OF WATERBURY AND ALL EMERGENCY SERVICES.
13. THE CONTRACTOR IS TO MAINTAIN ALL DETOUR SIGNS DURING THE ROADWAY CLOSURE.
14. THE LOCATIONS OF CONSTRUCTION BARRICADES TYPE III SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE INSTALLED FULLY ACROSS THE ROAD AND ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
15. ADVANCE SIGNS ARE TO BE ONLY INSTALLED IF THE ADVANCE SIGNS SHOWN ON THE MPT SUBSET ARE NOT IN PLACE WHEN THIS PLAN IS USED.

SIGN POST - MOUNTED SIGN	
TWO SIGN POSTS - MOUNTED SIGN	
BARRICADE MOUNTED SIGN	
CONSTRUCTION BARRICADE TYPE III	
CHANGEABLE MESSAGE SIGN	
WORK AREA	

1. CMS SHALL DISPLAY THE FOLLOWING MESSAGES PRIOR TO THE FIELD STREET CLOSURE:



2. WHILE DETOUR AND CLOSURE ARE IN EFFECT, CMS SHALL DISPLAY THE FOLLOWING MESSAGE:



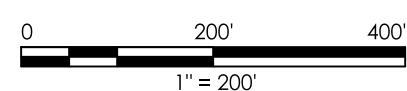
3. CMS MESSAGE TO BE THREE (3) LINES MAX. WITH NO MORE THAN EIGHT (8) CHARACTERS PER LINE.

4. CMS BOARDS SHALL BE INSTALLED AT LOCATIONS SHOWN TWO WEEKS PRIOR TO THE RAMP CLOSURES AND DISPLAY RESPECTIVE MESSAGES SHOWN ABOVE.

[illegible]

SIGNATURE BLOCK:  *Richard A. Fisher*
R. A. FISHER
City Engineer
City of Concord
Concord, CA 94520

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

DETOUR PLAN - FIELD STREET EB CLOSURE

PROJECT NO.:	
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0151-0340	SH
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DRAWING NO.:

DRAWING NO.:
DTR-04

SHEET NO.:
07 20

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PLOTTED DATE: 7/16/2025

SIGN LEGEND

- (A)

80-1608

CONSTRUCTION
AHEAD

ROAD USE RESTRICTED
STATE LIABILITY LIMITED
ORIGINAL: 8/20/11 (11-10-11) - 111
CONSTRUCTION OF ROADWAY
- (B)

31-1906

ROAD WORK
AHEAD

FINES
DOUBLED
- (C)

80-9603

ROAD
WORK
AHEAD
- (D)

51-6670

Field St
- 80-9916

DETOUR
→
- (E)

51-6670

Field St
- 80-9916

DETOUR
←
- (F)

51-6670

Field St
- 80-9916

DETOUR
↑
- (G)

51-6670

Field St
- 80-9916

END
DETOUR
- (H)

80-9852

ONE LANE
ROAD
AHEAD
- (I)

80-9922

ROAD
NARROWS
- (J)

80-9413

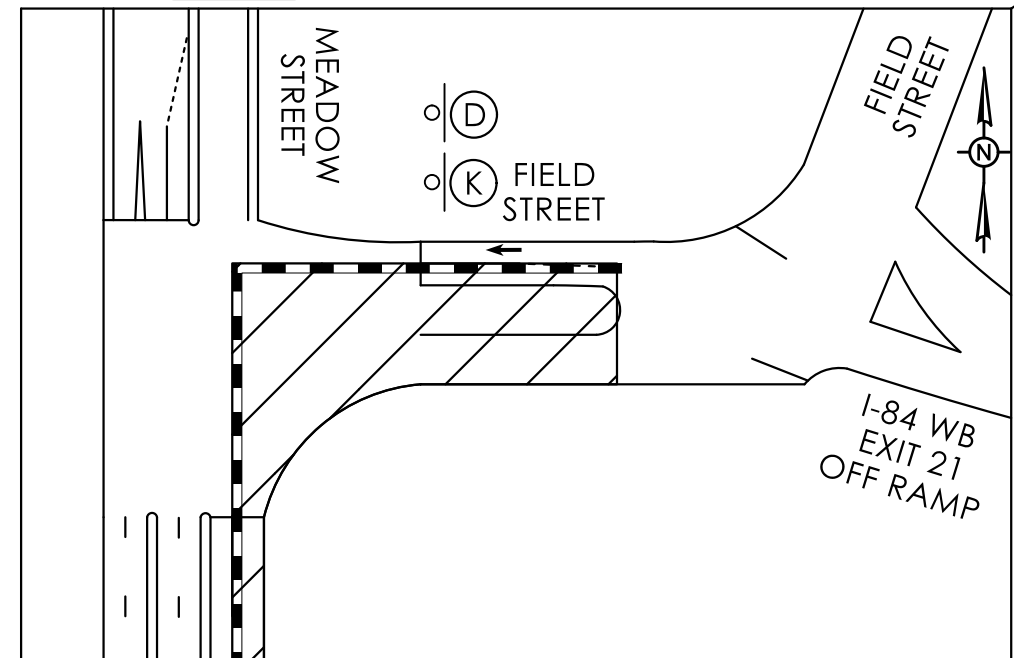
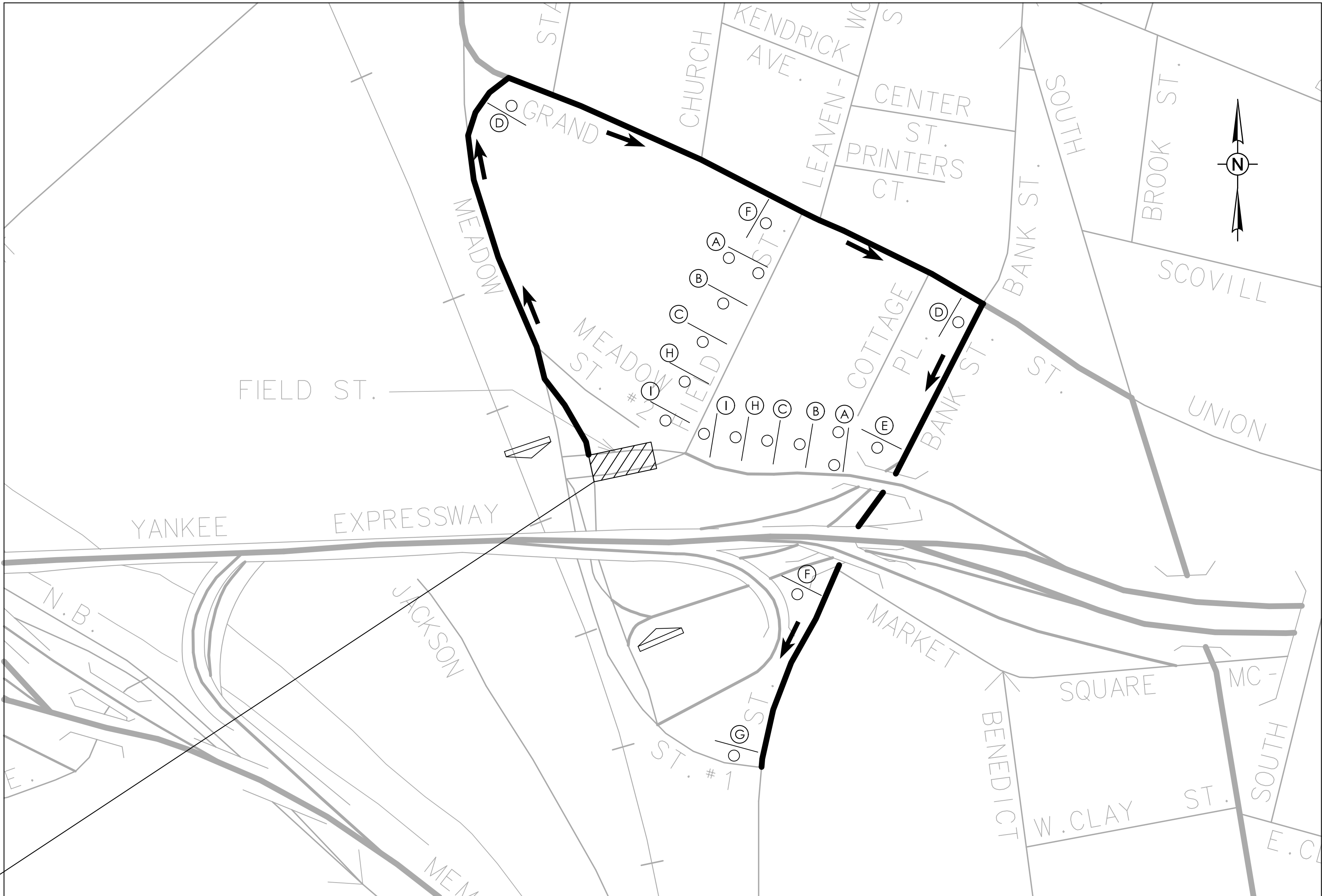
→
- (K)

51-6670

Field St
- 31-1629

TRUCK

→



NOTES

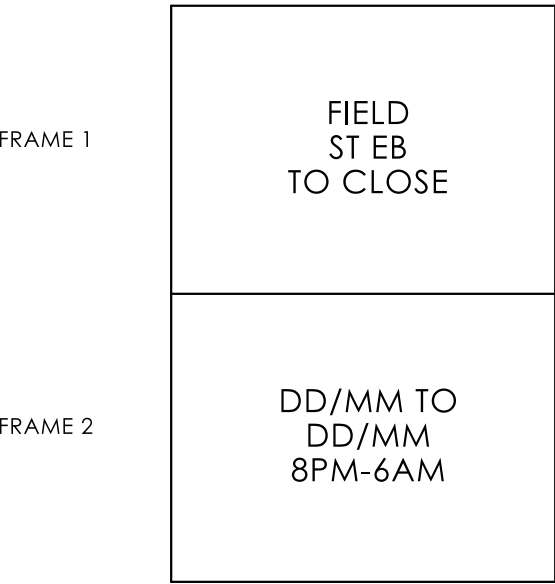
1. THE LOCATIONS OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED TO MEET FIELD CONDITIONS PRIOR TO THE IMPLEMENTATION OF THE DETOUR.
2. ALL EXISTING CONFLICTING SIGNS TO BE COVERED OR REMOVED WHILE DETOUR IS IN EFFECT.
3. DETOUR SIGNS ARE PAYABLE UNDER ITEM NO. 1220027A - CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SUCH THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. DETOUR SIGNS ARE ONLY TO BE POSTED WHILE THE DETOUR IS IN EFFECT. THEY SHALL BE COVERED OR REMOVED WHILE DETOUR IS NOT OPERATIONAL.
6. ANY EXISTING SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE STATE.
7. ALL CONSTRUCTION / DETOUR SIGNS SHALL BE INSTALLED ON BREAKAWAY POSTS PER CTDOT STANDARD SHEETS TR-1208_01, TR-1208_02, AND TR-1220_02.
8. ACCESS AND EGRESS TO ALL STREETS AND DRIVES MUST BE MAINTAINED AT ALL TIMES.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
10. TWO WEEKS PRIOR TO INITIATING THE DETOUR, THE CONTRACTOR SHALL INSTALL TWO CMS (ITEM NO. 1131002 - REMOTE CONTROL CHANGEABLE MESSAGE SIGN):
 - ONE AT THE INTERSECTION OF MEADOW STREET AT FIELD STREET.
 - ONE AT THE INTERSECTION OF MEADOW STREET AT I-84 EB ON-RAMP.-FINAL LOCATION FOR ALL CMS SHALL BE FIELD VERIFIED BY THE ENGINEER. ALL CMS SHALL REMAIN FOR THE DURATION OF THE DETOUR.
11. ALL DETOUR SIGNS TO BE INSTALLED PRIOR TO THE ROADWAY CLOSURE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST TWO WEEKS PRIOR TO THE START OF THE ROADWAY CLOSURE. THE ENGINEER WILL THEN NOTIFY THE CITY OF WATERBURY AND ALL EMERGENCY SERVICES.
13. THE CONTRACTOR IS TO MAINTAIN ALL DETOUR SIGNS DURING THE ROADWAY CLOSURE.
14. THE LOCATIONS OF CONSTRUCTION BARRICADES TYPE III SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE INSTALLED FULLY ACROSS THE ROAD AND ADJUSTED BY THE CONTRACTOR TO MEET FIELD CONDITIONS.
15. ADVANCE SIGNS TO BE ONLY INSTALLED IF THE ADVANCE SIGNS SHOWN ON THE MPT SUBSET ARE NOT IN PLACE WHEN THIS PLAN IS USED.

LEGEND

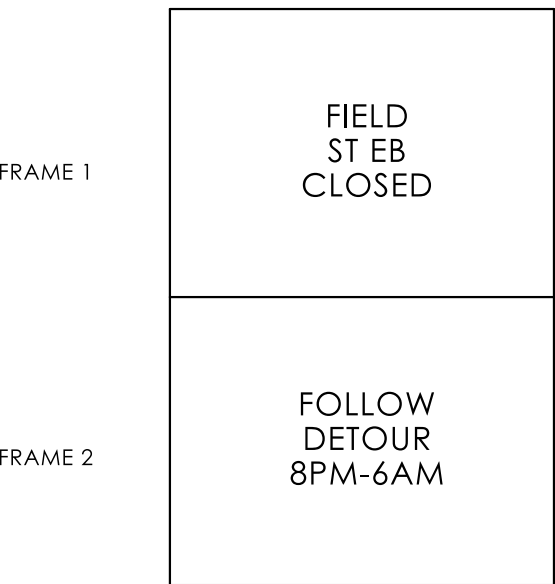
- SIGN POST - MOUNTED SIGN
- TWO SIGN POSTS - MOUNTED SIGN
- BARRICADE MOUNTED SIGN
- CONSTRUCTION BARRICADE TYPE III
- CHANGEABLE MESSAGE SIGN
- WORK AREA

CHANGEABLE MESSAGE SIGN (CMS) NOTES

1. CMS SHALL DISPLAY THE FOLLOWING MESSAGES PRIOR TO THE FIELD STREET CLOSURE:



2. WHILE DETOUR AND CLOSURE ARE IN EFFECT, CMS SHALL DISPLAY THE FOLLOWING MESSAGE:



3. CMS MESSAGE TO BE THREE (3) LINES MAX. WITH NO MORE THAN EIGHT (8) CHARACTERS PER LINE.
4. CMS BOARDS SHALL BE INSTALLED AT LOCATIONS SHOWN TWO WEEKS PRIOR TO THE RAMP CLOSURES AND DISPLAY RESPECTIVE MESSAGES SHOWN ABOVE.

REV	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK: DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER		0200"400" 1"= 200' CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: DETOUR PLAN - FIELD STREET EB CLOSURE - TRUCK DETOUR	PROJECT NO.: 0151-0340	DRAWING NO.: DTR-05 SHEET NO.: 07.21
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PAVEMENT MARKING NOTES

- 1. FINAL PAVEMENT MARKINGS ALONG I-84 EASTBOUND, ON RAMP FROM ROUTE 8 NB, AND EXIT 22 OFF-RAMP SHALL BE PAID FOR UNDER ITEM NO. 121011x - XX" (WHITE/YELLOW) TYPE I EPOXY RESIN PAVEMENT MARKINGS.
- 2. FINAL PAVEMENT MARKINGS ALONG ALL OTHER ROADWAYS SHALL BE PAID FOR UNDER ITEM NO. 121010x - XX" WHITE/YELLOW EPOXY RESIN PAVEMENT MARKINGS.
- 3. INSTALL PAVEMENT MARKINGS THROUGHOUT PROJECT AREA TO LIMITS OF PAVEMENT MARKINGS AS INDICATED ON PLAN OR AS DIRECTED BY THE ENGINEER. ALL CONFLICTING PAVEMENT MARKINGS WITHIN THE LIMITS SHALL BE REMOVED. THE REMOVAL OF PAVEMENT MARKINGS IS PAYABLE UNDER ITEM NO. 1211001 "REMOVAL OF PAVEMENT MARKINGS".
- 4. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SHEETS:
TR-1210_05 AND TR-1210_06 - PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS
TR-1210_07 - PAVEMENT MARKINGS FOR EXIT RAMP
TR-1210_08 - PAVEMENT MARKINGS FOR NON FREEWAYS
- 5. ALL PERMANENT PAVEMENT MARKINGS ALONG STATE MAINTAINED ROADWAYS (I-84 EASTBOUND, ON-RAMP FROM ROUTE 8 NB, AND EXIT 22 OFF-RAMP) SHALL BE INSTALLED WITH 80 MIL PAVEMENT MARKING GROOVE (ITEM NOS. 0406315A, 0406316A, AND 0406317A) DEPENDING ON THE MARKING WIDTH. ALL NON-STATE MAINTAINED ROADWAYS, AND SR 847 (SOUTH MAIN STREET), SHALL NOT BE INSTALLED IN 80 MIL PAVEMENT MARKING GROOVES.
- 6. SHARED LANE SYMBOL PAVEMENT MARKINGS AND ROADSIDE PARKING LANE MARKINGS ALONG SR 847 (SOUTH MAIN STREET) SHALL BE MAINTAINED BY THE CITY OF WATERBURY.
- 7. CROSSWALKS LOCATED ON THE FOLLOWING STREETS ARE MAINTAINED BY THE CITY OF WATERBURY: BANK STREET, BENEDICT STREET, EAST CLAY STREET, WEST CLAY STREET, WEST DOVER STREET, EAST DOVER STREET, SOUTH ELM STREET, FREIGHT STREET, WEST LIBERTY STREET, EAST LIBERTY STREET, MARKET SQUARE, MCMAHON STREET, MEADOW STREET.
- 8. CROSSWALKS LOCATED ON THE FOLLOWING STREETS ARE MAINTAINED BY THE STATE OF CONNECTICUT: SR 847 (SOUTH MAIN STREET), SR 847 (GRAND STREET), SR 847 (MEADOW STREET).
- 9. ALL OTHER CROSSWALKS ARE TO BE MAINTAINED BY THE PROPERTY OWNERS.

SIGNING NOTES

- 1. REMOVE ALL EXISTING SHEET ALUMINUM SIGNS WITHIN THE LIMITS OF SIGNING UNLESS OTHERWISE NOTED.
- 2. ALL PROPOSED SHEET ALUMINUM SIGNS AND POSTS SHALL BE PAID FOR UNDER ITEM NO. 1208931A - SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING) AND ITEM NO. 1208937A - SIGN FACE - SHEET ALUMINUM (TYPE XI RETROREFLECTIVE SHEETING).
- 3. ALL PROPOSED OVERHEAD AND SIDE MOUNTED EXTRUDED ALUMINUM SIGNS SHALL BE PAID FOR UNDER ITEM NO. 1207041A - SIGN FACE - EXTRUDED ALUMINUM (TYPE XI RETROREFLECTIVE SHEETING).
- 4. REMOVAL OF EXISTING (SHEET ALUMINUM SIGNS, SIDE MOUNTED EXTRUDED ALUMINUM SIGNS, SIGN SUPPORTS, AND FOUNDATIONS) SHALL BE PAID FOR UNDER ITEM NO. 1206023A - REMOVAL AND RELOCATION OF EXISTING SIGNS AND ITEM NO. 1206025A - REMOVAL AND RELOCATION OF EXISTING OVERHEAD SIGNS.
- 5. SIGNS SHALL NOT BE PLACED WITHIN 10 FEET OF ANY UTILITY POLE.
- 6. CONTACT "CALL BEFORE YOU DIG" AT 811 PRIOR TO THE INSTALLATION OF ANY NEW SIGNS
- 7. "NIC" DENOTES "NOT IN CONTRACT." SIGN IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXISTING SIGN TO REMAIN.
- 8. ALL "NO PARKING " SIGNS TO BE ERECTED AT AN ANGLE OF 30 DEGREES TO 45 DEGREES TO ADJACENT TRAVEL WAY.
- 9. INSTALL DELINEATORS WITHIN THE LIMITS OF SIGNING ON I-84 RAMP AND SHALL BE PAID FOR UNDER ITEM NO. 1205XXX - TYPE DE-XX DELINEATOR. REMOVE EXISTING DELINEATORS IN AREAS WHERE NEW ONES ARE INSTALLED. INSTALL DELINEATORS IN ACCORDANCE WITH CTDOT GUIDE SHEET TR-GS_06.
- 10. SEE SHEET TXCS-09 FOR REVISION TO SIGN PANEL C ON SIGN SUPPORT NO. 20416.

SIGNING STANDARD CONVENTIONS

000X-000-00.00

0

00-0000

OVERHEAD INSTALLATION

SIDE MOUNTED INSTALLATION

SINGLE POST MOUNTING (SHEET ALUMINUM SIGN ASSEMBLY)

DOUBLE POST MOUNTING (SHEET ALUMINUM SIGN ASSEMBLY)

000X = ROUTE WITH CARDINAL DIRECTION

000 = TOWN NUMBER

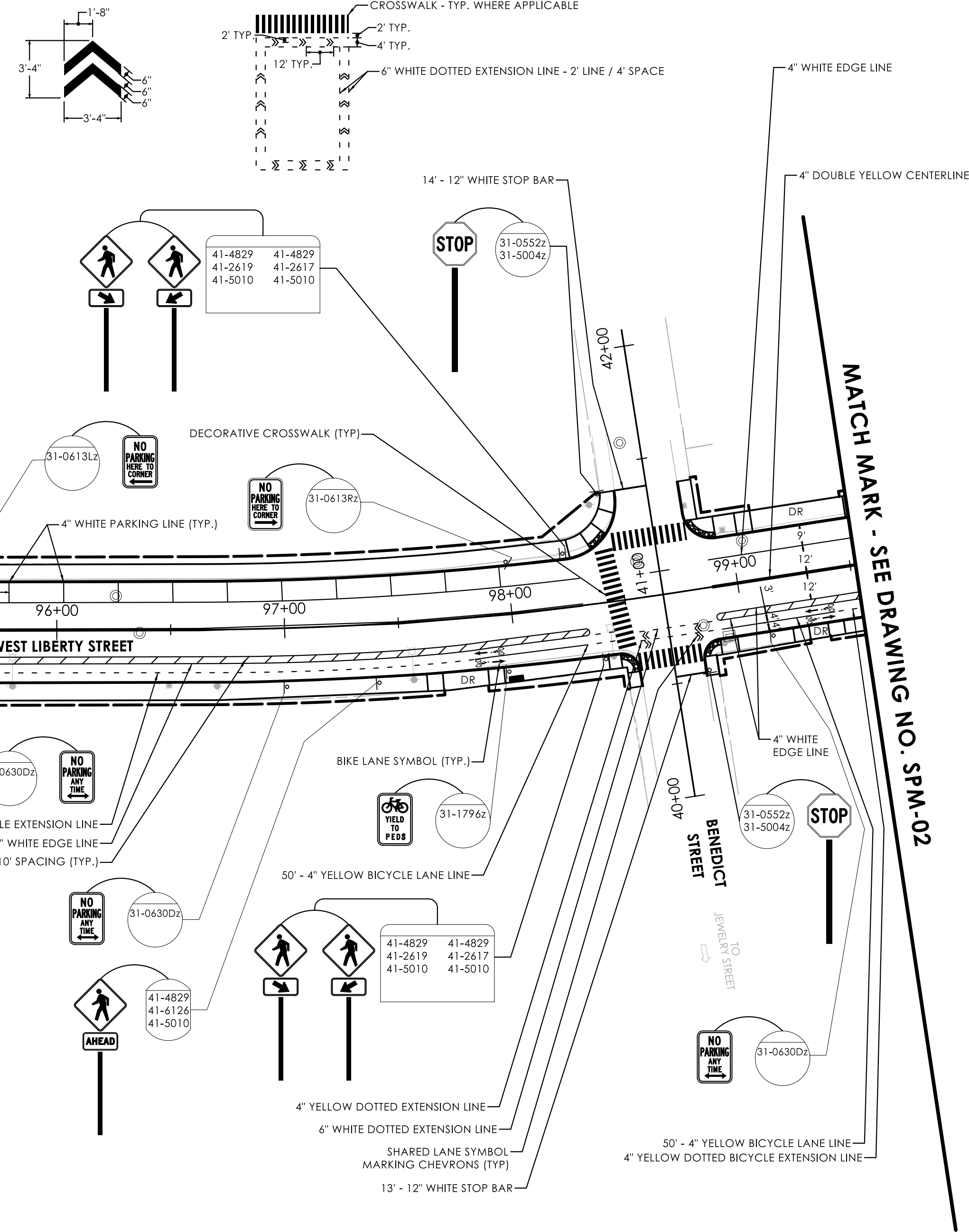
00.00 = APPROXIMATE MILEPOST

X = SIGN LETTER PER LOCATION

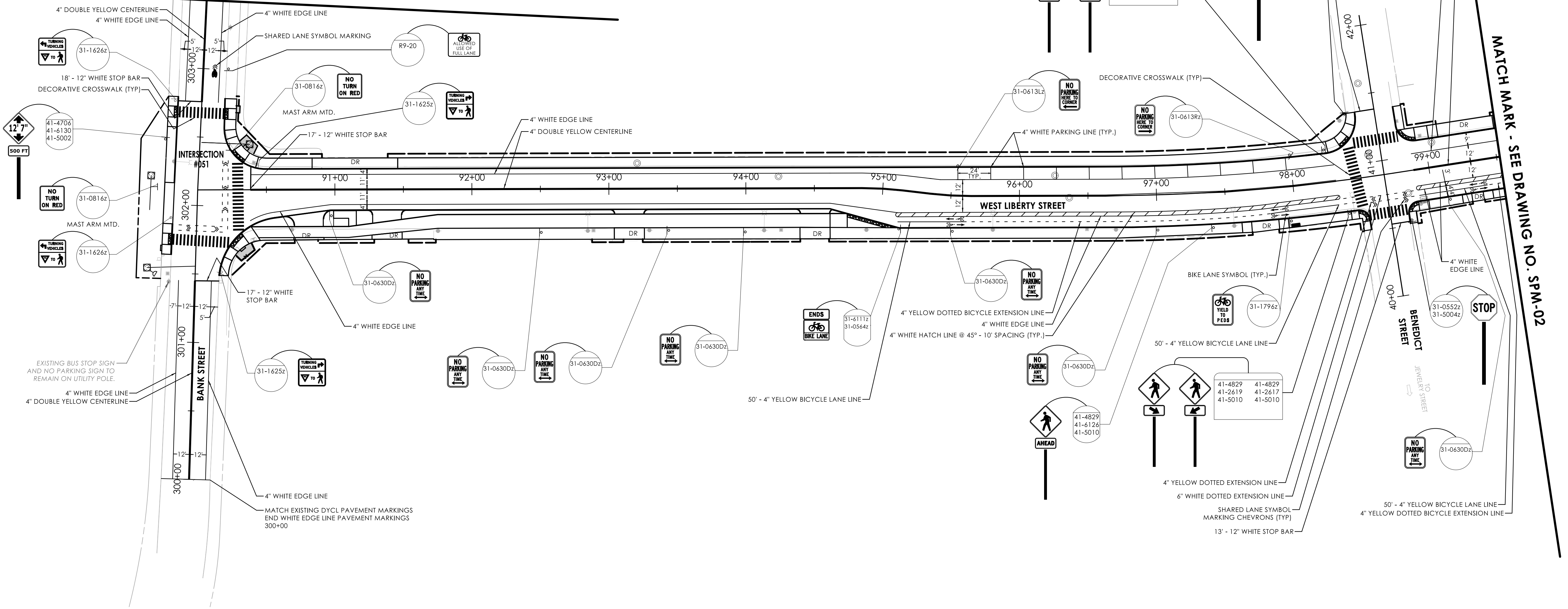
LOCATION NO.

SIGN NO.

STANDARD DETAIL - BIKEWAY DESIGN



MATCH MARK - SEE DRAWING NO. SPM-04



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER

HORIZONTAL SCALE
1" = 40'

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
**SIGNING AND PAVEMENT
MARKING PLAN**

PROJECT NO.:
0151-0340

DRAWING NO.:
SPM-01
SHEET NO.:
07.22



1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



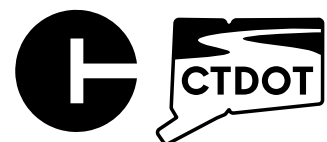
SIGNATURE BLOCK:

Nabil Fekri

Seal of the State of Colorado
OFFICE OF THE ATTORNEY GENERAL
STATE OF COLORADO
CREATED 1876

By Commission Expires 09/01/2017
Notary Public for the State of Colorado

DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: S. SEPERACK



PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

SIGNING AND PAVEMENT MARKING PLAN

PROJECT NO.:	DRAWING NO.:
0151-0340	SPM-02
	SHEET NO.:
	03 33

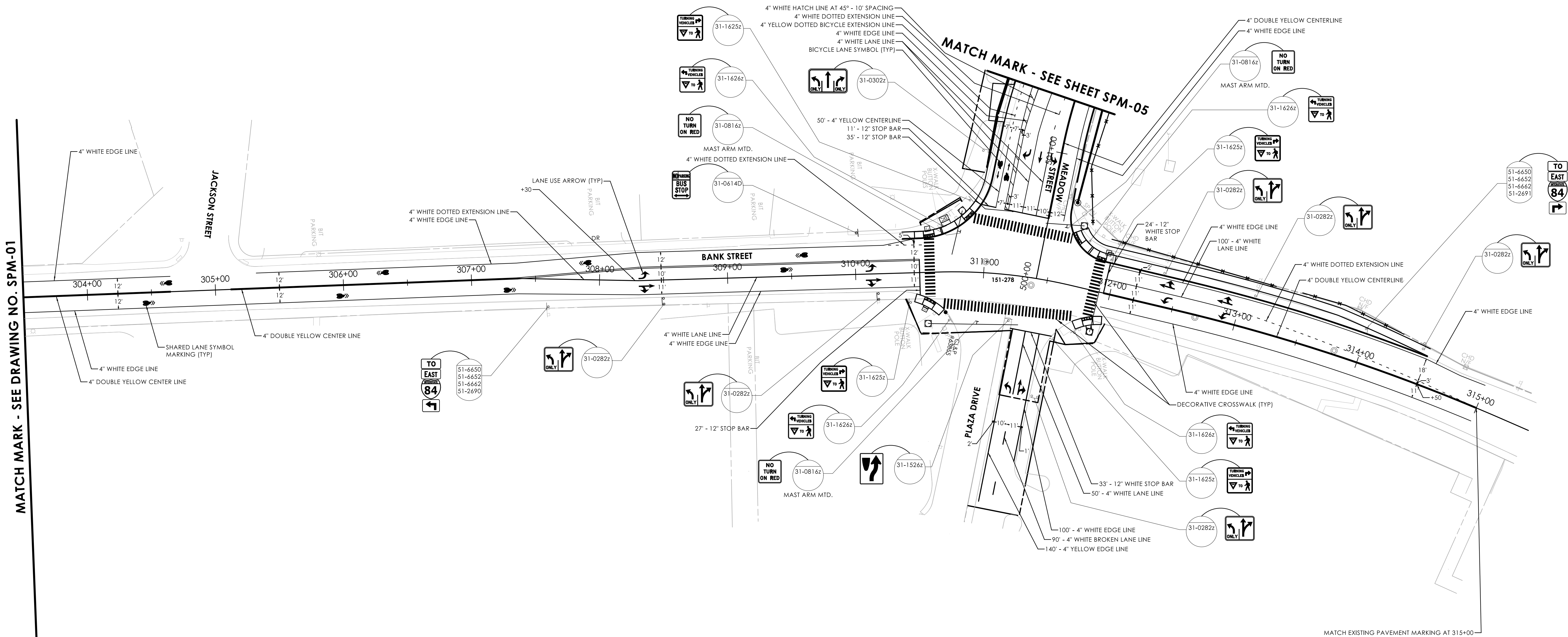
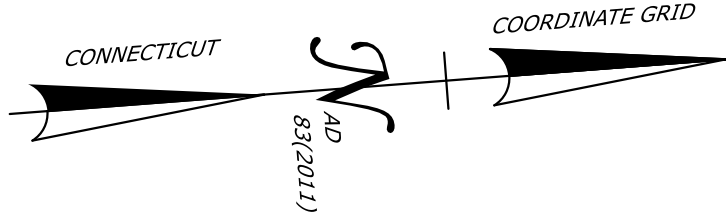
1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



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PLOTTED DATE: 7/16/2025

GENERAL NOTES

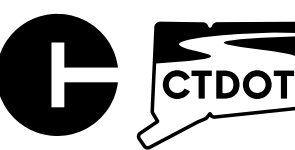
1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
**SIGNING AND PAVEMENT
MARKING PLAN**

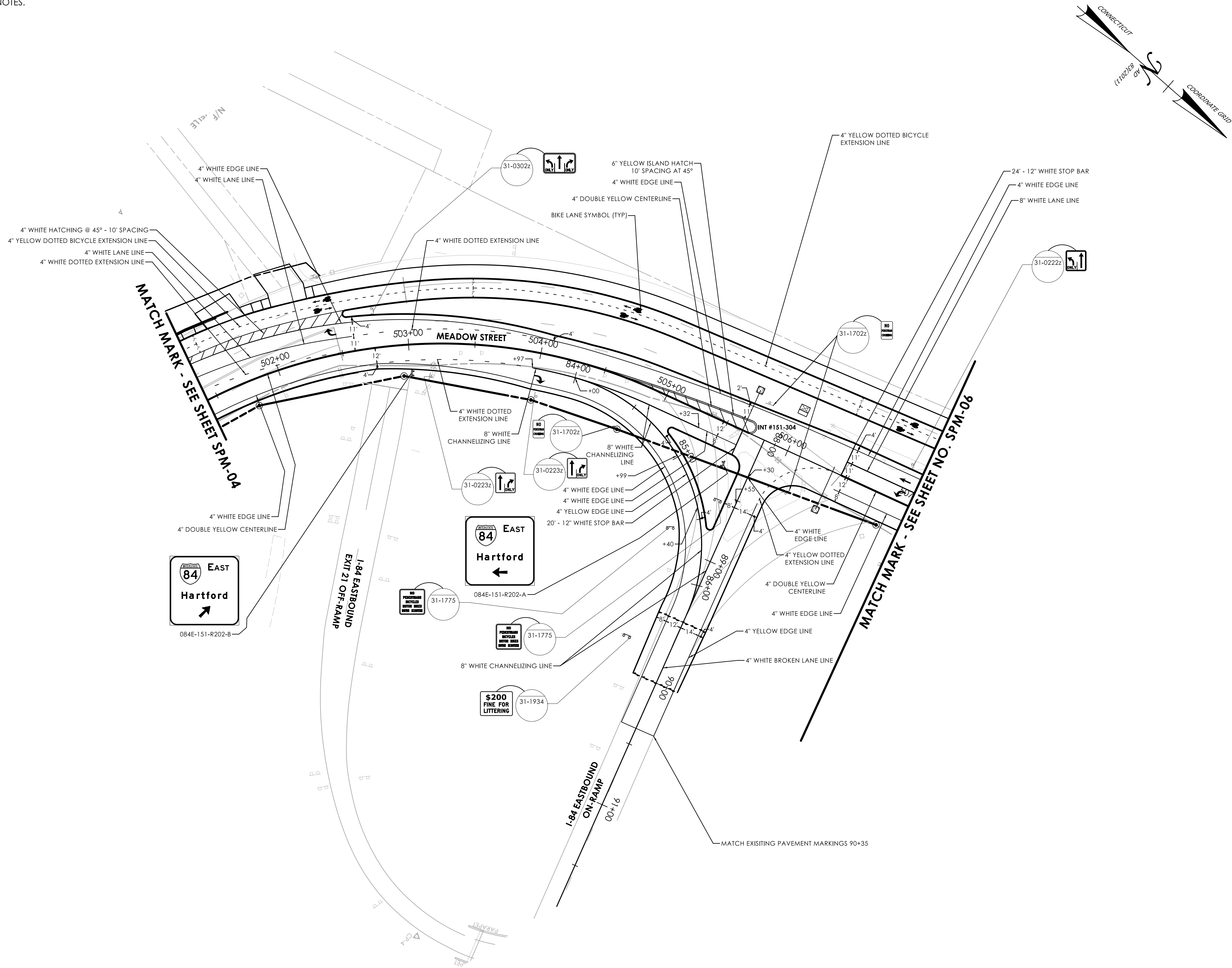
PROJECT NO.:
0151-0340

DRAWING NO.:
SPM-04
SHEET NO.:
07.25

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PLOTTED DATE: 7/16/2025

GENERAL NOTES

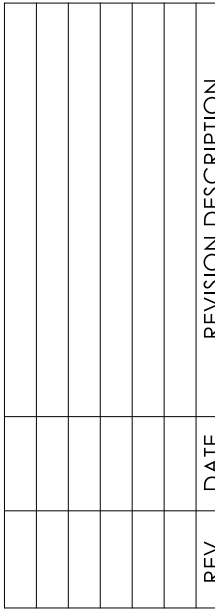
1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK: DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER	0 40' 80' HORIZONTAL SCALE 1" = 40'	CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN	PROJECT NO.: 0151-0340	DRAWING NO.: SPM-05 SHEET NO.: 07.26
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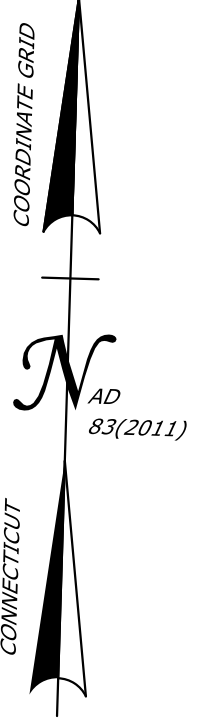
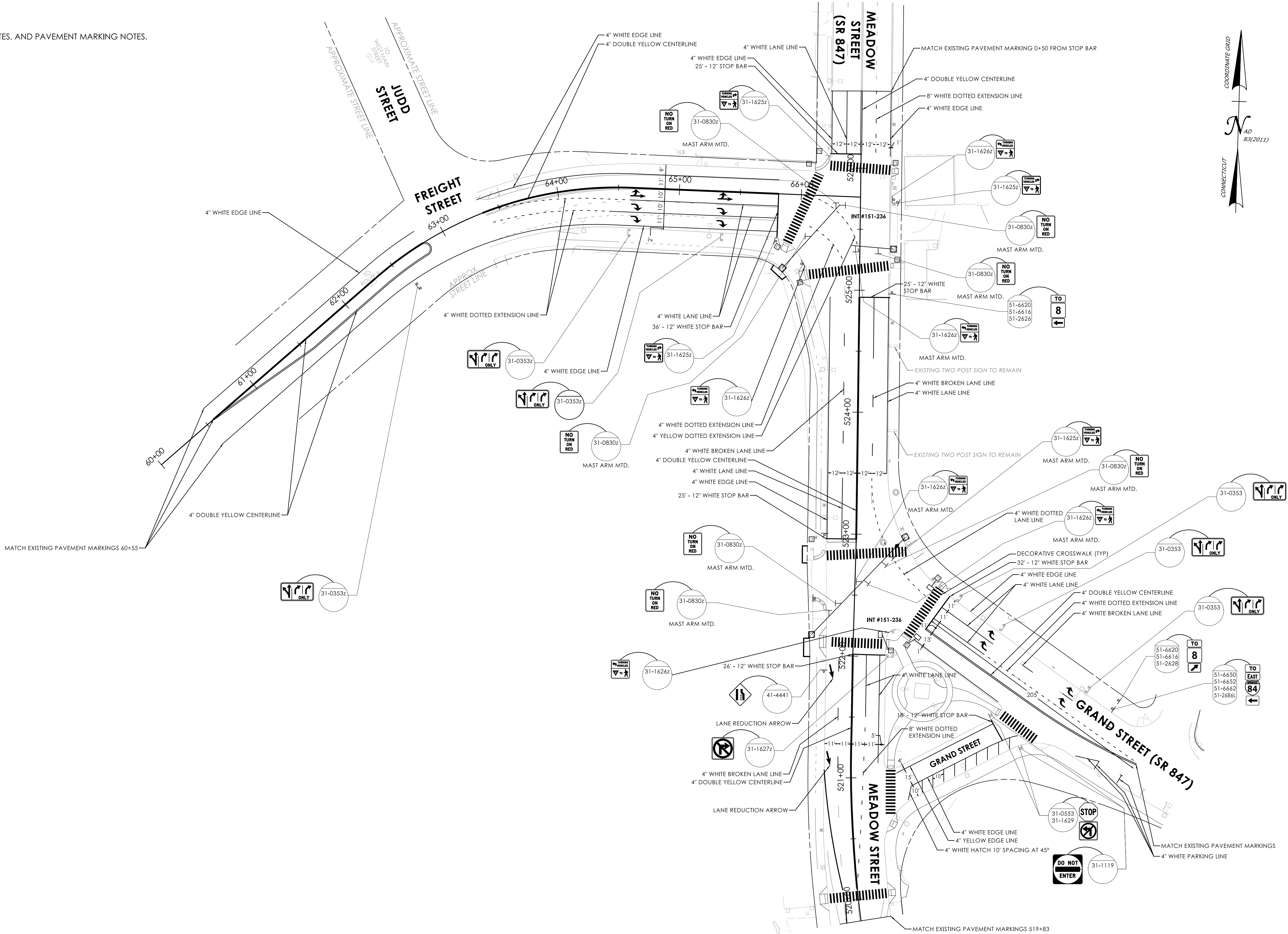
1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



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PLOTTED DATE: 7/16/2025

GENERAL NOTES

1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

SIGNING AND PAVEMENT
MARKING PLAN

PROJECT NO.:

0151-0340

DRAWING NO.:

SPM-07

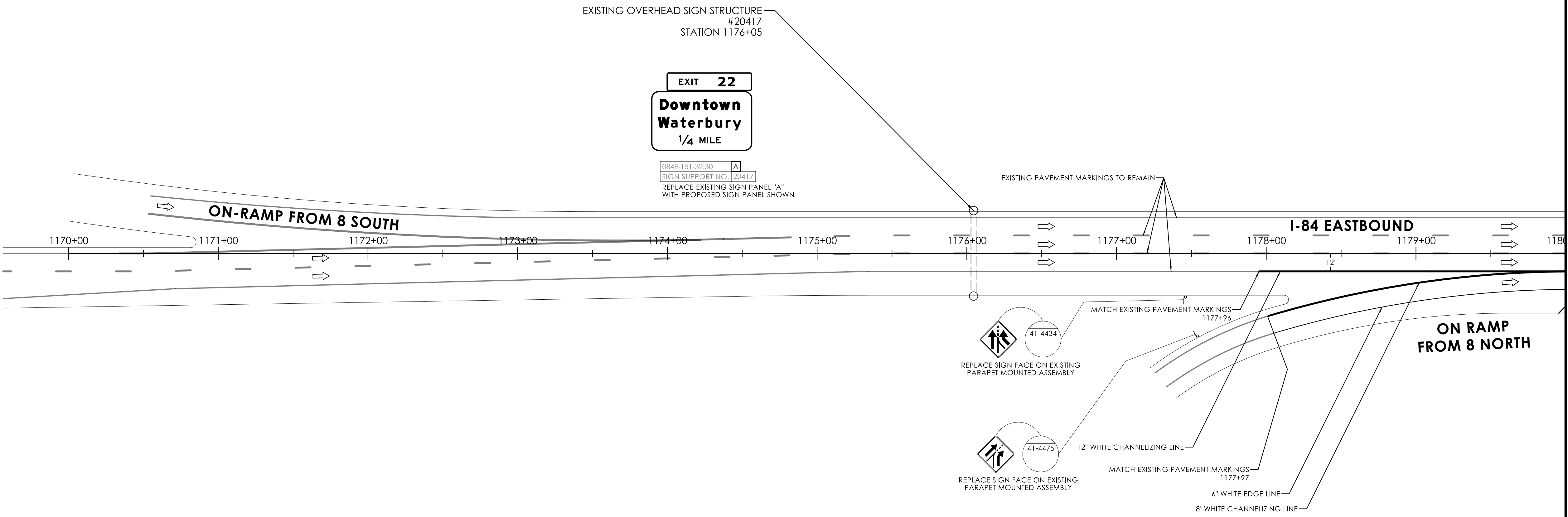
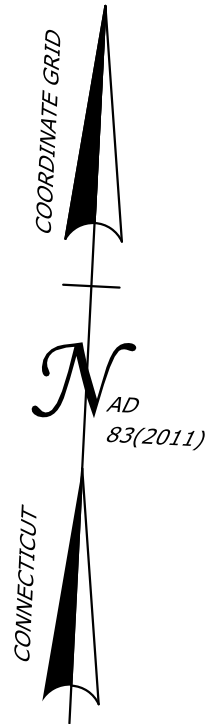
SHEET NO.:

07.28

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PLOTTED DATE: 7/16/2025

GENERAL NOTES

1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.

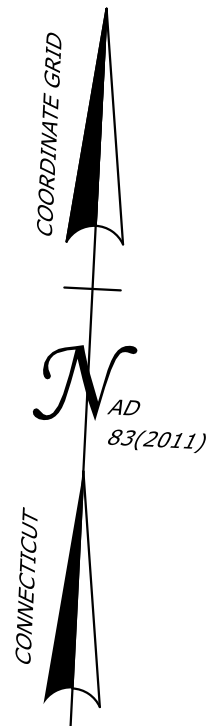


REV.	DATE	REVISION DESCRIPTION

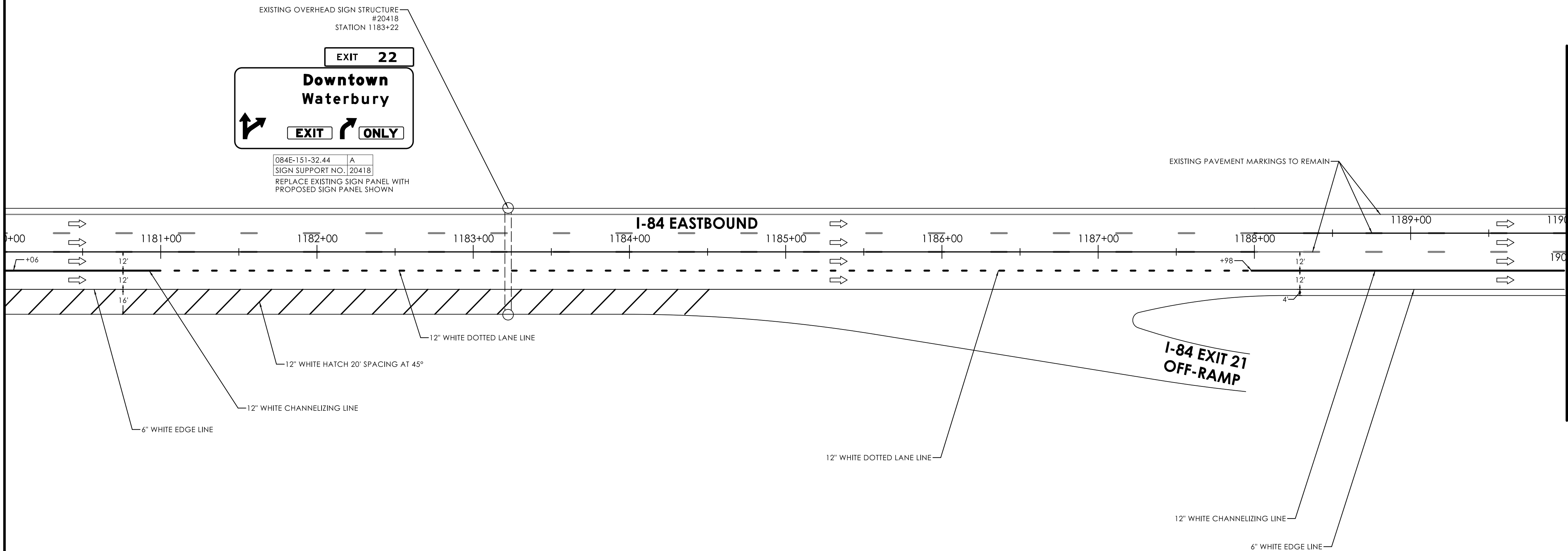
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			REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	WATERBURY	SIGNING AND PAVEMENT MARKING PLAN	0151-0340	SPM-08
						SHEET NO.: 07.29	

GENERAL NOTES

1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.

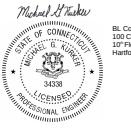
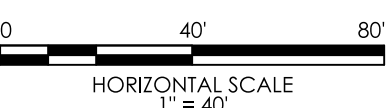


MATCH MARK - SEE DRAWING NO. SPM-08



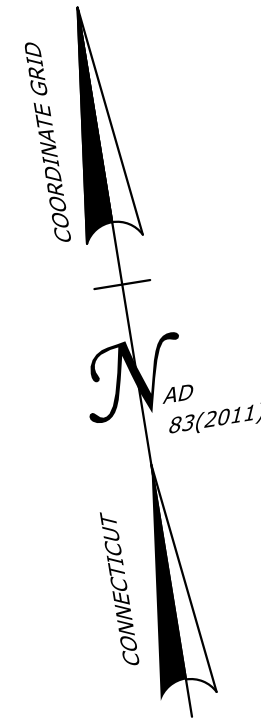
MATCH MARK - SEE DRAWING NO. SPM-10

REV.	DATE	REVISION DESCRIPTION

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GENERAL NOTES

1. REFERENCE SPM-01 FOR GENERAL NOTES, SIGNING NOTES, AND PAVEMENT MARKING NOTES.



EXIT 23

69

Wolcott Prospect

1/2 MILE

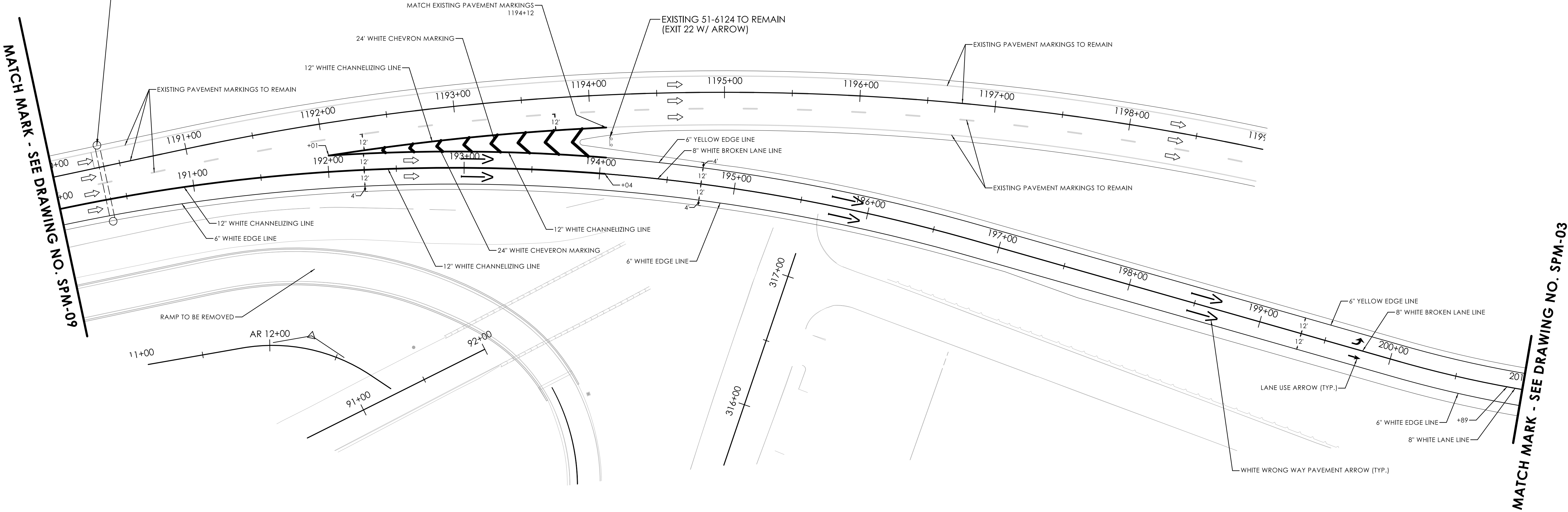
EXIT 22

Downtown Waterbury

EXIT ONLY

084E-151-32.58 A B
SIGN SUPPORT NO. 20419
REPLACE EXISTING SIGN PANEL "B"
WITH PROPOSED SIGN PANEL SHOWN

EXISTING OVERHEAD SIGN STRUCTURE #20419
STATION 1190+36



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER

CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
**SIGNING AND PAVEMENT
MARKING PLAN**

PROJECT NO.:
0151-0340

DRAWING NO.:
SPM-10
SHEET NO.:
07.31

MOVEMENT DIAGRAM																																			
NTOR			PHASE 1 PRE-EMPT 1			PHASE 2			PHASE 3			PHASE 4 PRE-EMPT 3			PHASE 5			PHASE 6			PHASE 7			PHASE 8 PRE-EMPT 2			PHASE 9								
FLASH		GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL					
F A C E #	1	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R					
	2	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	3	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	4	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	6	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R				
	7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	9	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
	P2	OFF																																	
P4	OFF																																		
P6	OFF																																		
P8	OFF																																		

DETECTORS				SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP										PHASE SPLITS SEC / %							
IDENT	SIZE (WXI)	TYPE	MODE	MASTER	PROGRAM			DAYS	CYCLE	OFFSET		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8			
					FUNCTION	TIME				SEC	%											
D2	6' X 40'	VIDEO-360	PRESENCE		FLASH	NONE						/	/	/	/	/	/	/	/			
D3	6' X 40'	VIDEO-360	PRESENCE		MAX 1	ALL OTHER TIMES						/	/	/	/	/	/	/	/			
D4	6' X 40'	VIDEO-360	PRESENCE		MAX 2	FUTURE						/	/	/	/	/	/	/	/			
D6	6' X 40'	VIDEO-360	PRESENCE		PATTERN 1	0600-0900	M-F	100"	80"	80%		32/32	35/35	33/33		/	9/9	59/59				
D6A	8' X 40'	VIDEO-360	PRESENCE		PATTERN 2	1500-1900	M-F	100"	58"	58%		36/36	26/26	38/38		/	9/9	55/55				
D6B	8' X 40'	VIDEO-360	PRESENCE									/	/	/	/	/	/	/	/			
D7	6' X 40'	VIDEO-360	PRESENCE									/	/	/	/	/	/	/	/			
D8	6' X 40'	VIDEO-360	PRESENCE									/	/	/	/	/	/	/	/			

SIGN LEGEND

- (A) INSTALL 31-0282z ()
- (E) INSTALL 31-1625z ()
- (B) INSTALL 31-0816z ()
- (C) INSTALL 31-0302z ()
- (D) INSTALL 31-1626z ()

PAVEMENT MARKING NOTES

SEE SEPARATE PLANS FOR PAVEMENT MARKING INFORMATION.

FUTURE INTERCONNECT NOTES

2" RMC FOR FUTURE INTERCONNECT FOR CITY OF WATERBURY USE. INSTALL 20" RMC RISER ON UTILITY POLE CL&P #63855 FOR CITY OF WATERBURY FUTURE USE.

NOTES

CITY OF WATERBURY TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON BANK STREET AND MEADOW STREET AND ALL STOP BARS.

PAVEMENT MARKINGS AND SIGNS ON PLAZA DRIVE TO BE MAINTAINED BY PROPERTY OWNER.

CITY OF WATERBURY TO OWN AND MAINTAIN EMERGENCY PRE-EMPTION EQUIPMENT.

ALL CROSSWALKS ARE BAR TYPE.

(W) 30" x 30" HANDHOLE. ALL OTHERS TYPE II.

(X) CAST IRON HANDHOLE COVER.

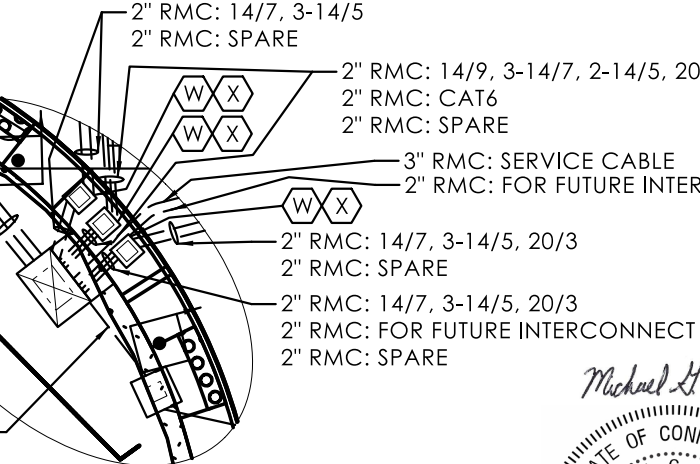
MAST ARM INFORMATION

ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	VERTICAL RISER FOR 360 DEGREE CAMERA	YEAR INSTALLED	EASTING, NORTHING	BEARING
151-278-A	*	35'	10'	20XX	919666.278850', 761246.861600'	S72°19'10.0"E
151-278-B	*	30'	N/A	20XX	919670.394564', 761344.573640'	S08°23'18.2"W
151-278-C	*	35'	10'	20XX	919753.118176', 761342.269358'	N72°07'43.0"W
151-278-D	*	70'	N/A	20XX	919737.111041', 761217.181546'	N05°13'44.3"E

* TO BE CALCULATED BY THE CONRACTOR BASED ON FIELD CONDITIONS.

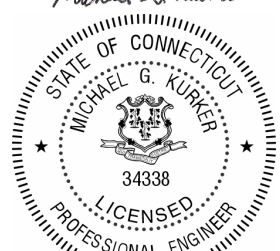
ADDITIONAL APPURTENANCE INFORMATION

QUADRANT	ITEM	EASTING, NORTHING
SW	CONTROLLER	919656.476986', 761235.788527"



CONTROLLER DETAIL

1"=20'



FINAL DESIGN
NOT FOR CONSTRUCTION
JULY 2025

SCALE: 1" = 40'

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY.

PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.

TIMINGS SHOWN ARE FOR FREE OPERATION. ACTUAL TIMING TO BE DETERMINED BY THE CLOSED LOOP DETERMINATION UNIT.

① PERCUSSIVE TONE ONLY DURING LPI AND PEDESTRIAN WALK INTERVAL.

② PERCUSSIVE TONE ONLY DURING CONCURRENT PEDESTRIAN WALK INTERVAL.

③ LPI AND CONCURRENT PEDESTRIAN PHASE ONLY COMES IN WHEN ACTUATED BY PUSH BUTTON.

④ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.

THIS INTERSECTION WIRELESSLY CONNECTED BY RADIO TO BANK STREET AT WEST LIBERTY STREET (CITY INT #051).

OFFICE RECORD

REV # TIR # SM # SIGNAL REVISED:

I-84 EB EXIT 21 OFF RAMP REMOVED. NEW TRAFFIC SIGNAL EQUIPMENT INSTALLED UNDER CTDR PROJECT #0151-0340.

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS NEW, EXCEPT WHERE NOTED.

STAKE ALL R.O.W. PRIOR TO EXCAVATION.

ALL PEDESTRIAN PUSH BUTTONS TO BE "ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)". INSTALL SIGN NO. 31-0845 WITH APPROPRIATE ARROW AT PEDESTRIAN BUTTON LOCATIONS.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF WATERBURY PRIOR TO INSTALL

MOVEMENT DIAGRAM																													
NTOR			PHASE 1			PHASE 2			PHASE 3 PRE-EMPT 1			PHASE 4			PHASE 5			PHASE 6 PRE-EMPT 2			PHASE 7 PRE-EMPT 3			PHASE 8 PRE-EMPT 4			PHASE 9		
F A C E #	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
	1	Y	←	G	←	G	G	G	Y	R	R	R	R	R	←	G	←	G	←	G	←	G	←	G	←	G	←	G	
	2	Y	←	G	←	G	G	G	Y	R	R	R	R	R	←	G	←	G	←	G	←	G	←	G	←	G	←	G	
	3	←	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→		
	4	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
	5	Y	←	G	←	G	G	G	Y	R	←	G	←	G	G	R	←	G	←	G	←	G	←	G	←	G	←	G	
	6	Y	←	G	←	G	G	G	Y	R	←	G	←	G	G	R	←	G	←	G	←	G	←	G	←	G	←	G	
	7	←	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→		
	8	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
	9	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
	10	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
	11	Y	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
	12	Y	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	←	R	
P1/P1A	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
P2/P2A	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
P3/P3A	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
P4	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
P5	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
P6/P6A	OFF	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW	←	DW		
MIN		5.0	3.0	1.0	GRN	WØ	PC	5	7	19	3.0	1.0	10.0	3.0	1.0	GRN	WØ	PC	5	7	20	3.0	1.0	5.0	3.0	1.0			
MAX		45.0	5.0	3.0	45	10	25	5.0	3.0	3.0	45.0	5.0	3.0	45	10	25	5.0	3.0	45.0	5.0	3.0	45.0	5.0	3.0	45.0	5.0	3.0		
I N T E R V A L S	MIN GRN	5			5			5			10			5			5			5			5						
	WALK				7			7			7			7			7			7			7						
	PED CLR				19			19			20			20			20			20			20						
	VEH EXT	3			3			3			3			3			3			3			3						
	MAX 1	16			16			16			16			16			16			16			16						
	MAX 2	16			16			16			16			16			16			16			16						
	YELLOW		3.0				3.4				3.0				3.2			3.0				3.0							
	RED			2.5			1.1				2.0				1.0				1.0				1.0						
	ADD INIT																												
	MAX INIT																												
	TBR																												
	TTR																												
	MIN GAP																												
	MODE		NON-LOCK			MIN RECALL			ON/OMIT			NON-LOCK			NON-LOCK			ON/OMIT			ON/OMIT			ON/OMIT			OFF		
	INIT START		THIS PHASE																										

DETECTORS				SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP								OFFSET		PHASE SPLITS SEC / %							
IDENT	SIZE (WXI)	TYPE	MODE																			
D1	6' x 40'	360° VIDEO	PRESENCE		MASTER	PROGRAM			CYCLE	SEC	%	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8			
D2	6' x 40'	360° VIDEO	PRESENCE			FUNCTION	TIME	DAYS														
D2A	6' x 40'	360° VIDEO	PRESENCE	FLASH		NONE					/	/	/	/	/	/	/	/				
D2B	6' x 40'	360° VIDEO	PRESENCE	MAX 1		ALL OTHER TIMES					/	/	/	/	/	/	/	/				
D2C	6' x 40'	360° VIDEO	PRESENCE	MAX 2		FUTURE					/	/	/	/	/	/	/	/				
D2D	6' x 40'	360° VIDEO	PRESENCE	PATTERN 1		0600-0900	M-F	100	52	52	26/26	37/37	/	31/31	9/9	/	/	/				
D2E	6' x 40'	360° VIDEO	PRESENCE	PATTERN 2		1500-1900	M-F	100	57	57	16/16	41/41	/	31/31	11/11	/	/	/				
D2F	6' x 40'	360° VIDEO	PRESENCE																			
D2G	6' x 40'	360° VIDEO	PRESENCE																			
D4	6' x 40'	360° VIDEO	PRESENCE																			
D4A	6' x 40'	360° VIDEO	PRESENCE																			
D4B	6' x 40'	360° VIDEO	PRESENCE																			
D4C	6' x 40'	360° VIDEO	PRESENCE																			
D4D	6' x 40'	360° VIDEO	PRESENCE																			
D4E	6' x 40'	360° VIDEO	PRESENCE																			
D5	6' x 40'	360° VIDEO	PRESENCE																			

ADDITIONAL APPURTENANCE INFORMATION			
QUADRANT	ITEM	EASTING, NORTHING	
SE	CONTROLLER	918875.762984', 763337.657906'	

SIGN LEGEND	
(A) INSTALL 31-0816z MOUNTED ON MAST ARM	(G) INSTALL 31-0552 MOUNTED ON MAST ARM/SPAN
(B) INSTALL 31-0353z	(H) INSTALL 31-1119
(C) INSTALL 31-0353z	(I) INSTALL 31-1625z
(D) INSTALL 31-1627z	(J) INSTALL 31-1626
(E) INSTALL 31-1626z MOUNTED ON MAST ARM/SPAN	
(F) INSTALL 31-1625z MOUNTED ON MAST ARM/SPAN	

NOTES:

STATE TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON S.R. 847 (GRAND STREET/MEADOW STREET).

CITY OF WATERBURY TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON FREIGHT STREET AND MEADOW STREET.

ALL CROSSWALKS ARE BAR TYPE.

(W) 30" X 30" HANDHOLE. ALL OTHERS TYPE II.

(X) CAST IRON HANDHOLE COVER.

FUTURE INTERCONNECT NOTES:

2" RMC FOR FUTURE INTERCONNECT FOR CITY OF WATERBURY USE. INSTALL 2" RMC CONDUIT BETWEEN CONTROLLER CABINET AND ADJACENT COMMUNICATIONS MANHOLE.

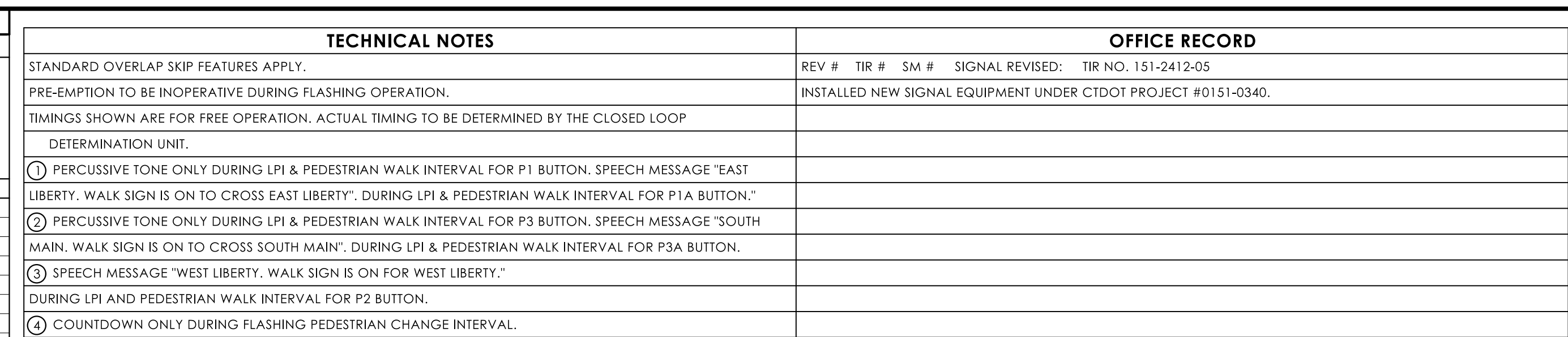
PAVEMENT MARKING NOTES:

SEE SEPARATE PLAN FOR PAVEMENT MARKING INFORMATION.

MAST ARM/SPAN POLE INFORMATION						
ID #	TYPE	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED	EXT. BRACKET/ELBOW FOR 360 DEGREE CAMERA	EASTING, NORTHING BEARING
151-236-A	SPAN POLE	30' POLE	N/A	20XX	N/A	918810.138872', 763233.308553' N/A
151-236-B	MAST ARM	*	70'	20XX	N/A	918804.477938', 763629.653865' N40°29'44.6"E
151-236-C	MAST ARM	*	35'	20XX	10'	918867.725607', 763551.160774' N86°45'21.7"W
151-236-D	SPAN POLE	30' POLE	N/A	20XX	20' BRACKET/3' ELBOW	918884.586116', 763315.393523' N/A

*TO BE CALCULATED BY THE CONTRACTOR BASED ON FIELD CONDITIONS

LEGEND:		FL. FLASHING		-- DET. LEADS IN SAW CUT		PROPOSED SUPPORT STRUCTURE		PEDESTAL MOUNTING		PROPOSED HANDHOLE		IP VIDEO DETECTOR		LRC LONG RANGE ZONE	
R RED	←-←- RED ARROW	-- PROPOSED RMC		PROPOSED STEEL SPAN POLE		PEDESTAL MOUNTING		EXISTING HANDHOLE		RADAR DETECTOR		RADIO DETECTOR		DIRECTION ZONE	
Y YELLOW	←-←- YELLOW ARROW	● EXISTING RMC		PROPOSED UTILITY POLE		PEDESTRIAN PUSH BUTTON & SIGN		PROPOSED CONTROLLER		THERMAL DETECTOR		AUDIO DETECTOR		LOOP DETECTOR	
G GREEN	←-←- GREEN ARROW	● EXISTING RMC		EXISTING UTILITY POLE		DIRECTIONAL ARW. FOR PUSH BUTTON		EXISTING CONTROLLER		AUDIO DETECTOR		360° CAMERA ASSEMBLY		POLE ANTENNA	
	W/WALK/ PED. CLR	VC VIDEO CAMERA CABLE		EXISTING WOOD SPAN POLE		PEDESTRIAN SIGNAL FACE		AUXILIARY EQUIPMENT CABINET		VIDEO THERMAL DETECTOR					
	D.W. DON'T WALK	RC RADAR CABLE				TRAFFIC SIGNAL FACE		OPTICAL DETECTOR							



THIS INTERSECTION WIRELESSLY CONNECTED BY RADIO TO S.R. 847 [SOUTH MAIN STREET] AT SOUTH ELM STREET, EAST CLAY STREET, AND WEST CLAY STREET (STATE INT #151-212).

SIGNAL FACES

PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	PARENT	PARENT
HOLD GREEN	15	15
HOLD YELLOW	3.0	3.9
HOLD RED	2.0	1.9
HOLD PHASE	6	4
EXIT PHASE	4	6
EXIT CALL	NONE	NONE

SIGNAL FACES

12"

9"

P1, P2, P3, P1A, P3A

SOLID - OVERLAP HAND/PERSON

1,2,3,4

ALL SIGNAL INDICATIONS HAVE LED LAMPS.
ALL VEHICULAR SIGNAL FACES TO HAVE BACK PLATES WITH YELLOW RETROREFLECTIVE BORDERS.

151-229-A

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS NEW, EXCEPT WHERE NOTED.

STAKE AL R.O.W. PRIOR TO EXCAVATION.

ALL PEDESTRIAN PUSH BUTTONS TO BE "ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR [TYPE A]".
INSTALL SIGN NO. 31-0845 WITH APPROPRIATE ARROW AT PEDESTRIAN BUTTON LOCATIONS.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

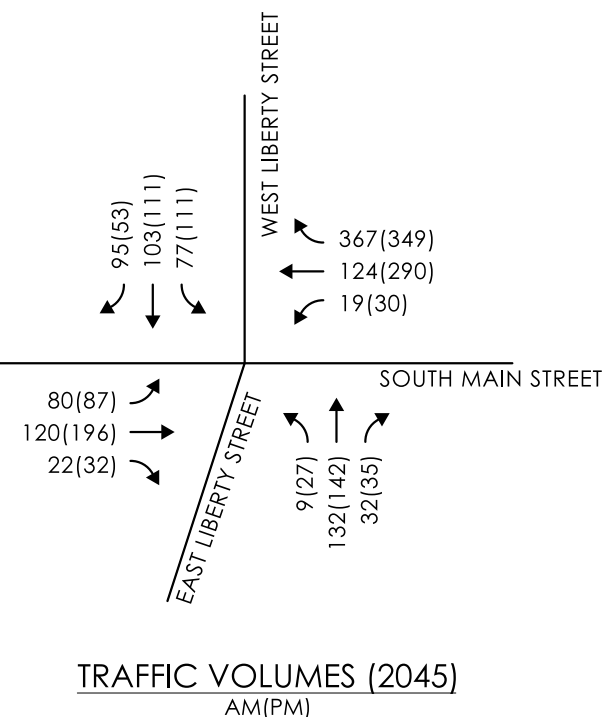
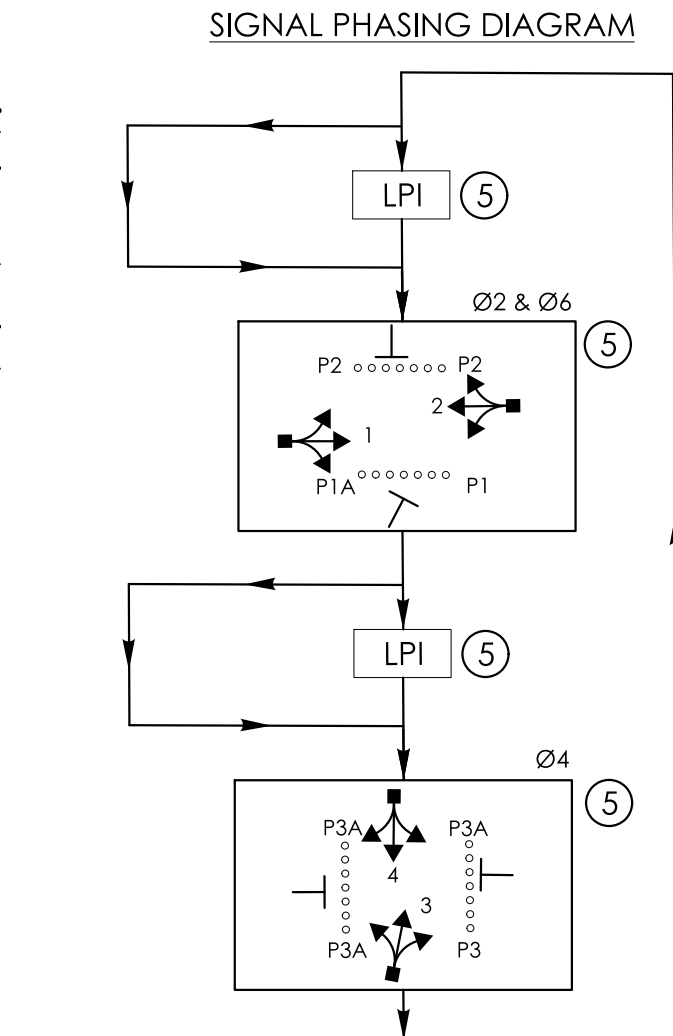
ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF WATERBURY PRIOR TO INSTALLATION.

THE LOCATION OF TRAFFIC SIGNAL EQUIPMENT WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH NOT LESS THAN 4 FEET. IF A MINIMUM OF 4 FEET FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE CITY OF WATERBURY.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

ALL TRAFFIC APPURTENANCE LOCATIONS SHALL BE VERIFIED TO MAINTAIN A CLEAR PATH OF NOT LESS THAN 4 FEET ON ADJACENT SIDEWALK. IF A MINIMUM 4 FOOT PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE CITY OF WATERBURY.

TEMPORARILY RELOCATE EXISTING CONTROLLER TO FACILITATE INSTALLATION OF NEW CONTROLLER CABINET AND FOUNDATION UNTIL NEW CONTROLLER IS IN OPERATION.



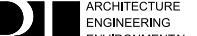
EMERGENCY PRE-EMPTION NOTES

ALL EMERGENCY PRE-EMPTION EQUIPMENT IS EXISTING. TEST PRE-EMPTION EQUIPMENT SYSTEM AFTER RELOCATION IN ACCORDANCE WITH SPECIFICATIONS. EXISTING EQUIPMENT SHALL BE FULLY COMPATIBLE WITH THE CITY OF WATERBURY INSTALLED EMERGENCY PRE-EMPTION SYSTEM.

PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE TRAFFIC SIGNAL CONTROLLER CABINET.

MAST ARM INFORMATION						
ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED	VERTICAL RISER FOR 360 CAMERA	EASTING, NORTHING	BEARING
151-229-A	*	55'	20XX	10'	921079.184288', 760457.120298'	N39°41'00.2"E
* TO BE CALCULATED BY THE CONTRACTOR BASED ON FIELD CONDITIONS.						

**FINAL DESIGN
NOT FOR CONSTRUCTION
JULY 2025**

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	STATE INTERSECTION # 151-229	CITY INTERSECTION # 020
ENGINEER				07/2025			
DRAWN BY							
CHECKED BY					ENERGY BY: CITY	ADDRESS #:	
SUBMITTED BY					MAINT LEVEL: CITY	SERVICE POLE: ES #7550	
APPROVED BY						METERED SERVICE	
APPROVED DATE							



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

SOUTH MAIN STREET (SR 847) AT WEST LIBERTY STREET AND EAST LIBERTY STREET

TOWN(S): **WATERBURY**

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0151-0340	DRAWING NO.: TCS-06
		SHEET NO.: 07.37

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV #	TIR # SM # SIGNAL REVISED: TIR NO. 151-2412-06
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.		INSTALLED NEW SIGNAL EQUIPMENT UNDER CTDOT PROJECT #0151-0340.	
TIMINGS SHOWN ARE FOR FREE OPERATION. ACTUAL TIMING TO BE DETERMINED BY THE CLOSED LOOP DETERMINATION UNIT.			
① PERCUSSIVE TONE ONLY DURING LPI & PEDESTRIAN WALK INTERVAL FOR P1 BUTTON. SPEECH MESSAGE "WEST CLAY. WALK SIGN IS ON TO CROSS WEST CLAY" DURING LPI & PEDESTRIAN WALK INTERVAL FOR P1A BUTTON.			
② PERCUSSIVE TONE ONLY DURING LPI & PEDESTRIAN WALK INTERVAL FOR P2D BUTTON. SPEECH MESSAGE "SOUTH ELM. WALK SIGN IS ON TO CROSS SOUTH ELM" DURING LPI & PEDESTRIAN WALK INTERVAL FOR P2E BUTTON.			
③ PERCUSSIVE TONE ONLY DURING LPI & PEDESTRIAN WALK INTERVAL FOR P2 & P2B BUTTONS. SPEECH MESSAGE "SOUTH MAIN. WALK SIGN IS ON TO CROSS SOUTH MAIN" DURING LPI & PEDESTRIAN WALK INTERVAL FOR P2A & P2C BUTTONS.			
④ PERCUSSIVE TONE ONLY DURING LPI & PEDESTRIAN WALK INTERVAL FOR P3 BUTTON. SPEECH MESSAGE "EAST CLAY. WALK SIGN IS ON TO CROSS EAST CLAY" DURING LPI & PEDESTRIAN WALK INTERVAL FOR P3A BUTTON.			
⑤ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			
⑥ LPI AND CONCURRENT PEDESTRIAN PHASE ONLY COMES IN WHEN ACTUATED BY PUSH BUTTON.			
⑦ TO BE "G" IF PHASE 3 IS NEXT.			
⑧ PERCUSSIVE TONE ONLY DURING LPI AND PEDESTRIAN WALK INTERVAL FOR P1B BUTTON. SPEECH MESSAGE "EAST CLAY. WALK SIGN IS ON TO CROSS EAST CLAY" DURING LPI & PEDESTRIAN WALK INTERVAL FOR P1C BUTTON.			
THIS INTERSECTION WIRELESSLY CONNECTED BY RADIO TO SOUTH MAIN STREET AT WEST LIBERTY STREET AND EAST LIBERTY STREET (STATE INT #151-229) AND S.R. 847 (SOUTH MAIN STREET) AT I-84 EB EXIT 22 OFF-RAMP, MARKET SQUARE, AND MCMAHON STREET (STATE INT #151-256).			

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS NEW, EXCEPT WHERE NOTED.

TAKE ALL R.O.W. PRIOR TO EXCAVATION.

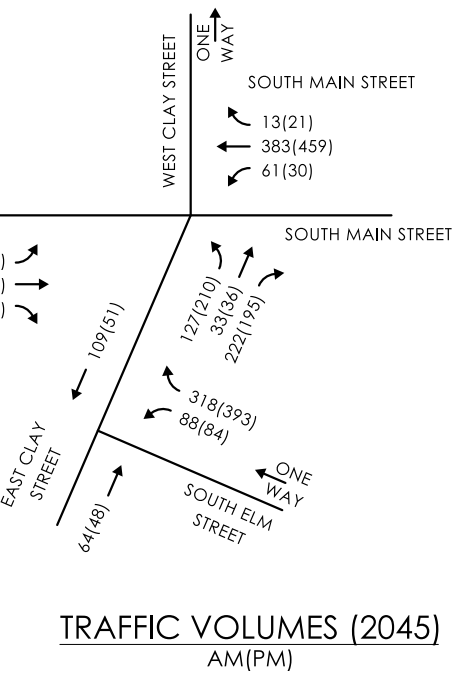
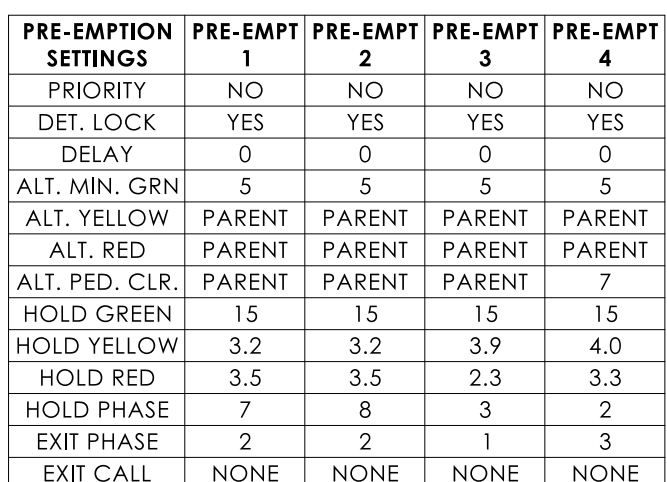
ALL PEDESTRIAN PUSH BUTTONS TO BE "ACCESSIBLE PEDESTRIAN SIGNAL AND DETECTOR (TYPE A)".
INSTALL SIGN NO. 31-0845 WITH APPROPRIATE ARROW AT PEDESTRIAN BUTTON LOCATIONS.

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

ALL TRAFFIC APPURTENANCE LOCATIONS SHALL BE VERIFIED TO MAINTAIN A CLEAR PATH OF NOT LESS THAN 4 FEET ON ADJACENT SIDEWALK. IF A MINIMUM 4 FOOT PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE CITY OF WATERBURY.

14/25, 2-20/3
 14/9, 4-14/5, 2-20/3
 14/9, 4-14/5, 20/3
 14/9, 3-14/5, 20/3
 14/9, 2-14/5, 20/3
 14/9, 14/5, 20/3
 14/5, 20/3
 14/5
 ID #151-212-A

SPANWIDE ELECTRICAL DETAIL



- SERVICE CONDUIT INSTALLED UNDER THE ROADWAY SHALL BE 3" RMC. A PVC FEMALE ADAPTER SHALL BE USED TO CONNECT TO THE 3" PVC IN TRENCH.

PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE TRAFFIC SIGNAL CONTROLLER CABINET

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	STATE INTERSECTION # 151-212	CITY INTERSECTION # 019
ENGINEER	 BUELL COMPANIES ARCHITECTURE ENGINEERING ENVIRONMENTAL AND SURVEYING	07/2025					
DRAWN BY							
CHECKED BY							
SUBMITTED BY							
APPROVED BY							
APPROVED DATE							

 CAST IRON HANDHOLE COVER.

SEE SEPARATE PLANS FOR PAVEMENT MARKING INFORMATION.

2" RMC FOR FUTURE INTERCONNECT FOR CITY OF WATERBURY USE. UNSTALL 20' RMC RISER ON UTILITY POLE CL&P #3783 FOR CITY OF WATERBURY FUTURE USE

ID #	TYPE	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	BOLT CIRCLE	EXT. BRACKET/ELBOW FOR 360 DEGREE CAMERA	YEAR INSTALLED	EASTING, NORTHING	BEARING
151-212-A	SPAN POLE	30' POLE	N/A	24"	20' BRACKET / 3' ELBOW	20XX	920948.920375', 761178.748979'	N/A
151-212-B	MAST ARM	*	55'	N/A	N/A	20XX	921041.588302', 761158.943156'	S26°23'07.6"E
151-212-C	SPAN POLE	30' POLE	N/A	24"	20' BRACKET / 3' ELBOW	20XX	921037.707039', 761093.872044'	N/A

LEGEND:	FL. FLASHING	~ DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING	PROPOSED HANDHOLE	IP VIDEO DETECTOR
R RED	RD. RED ARROW	~ PROPOSED RMC	EXISTING STEEL SPAN POLE	PEDESTAL MOUNTED RFB	EXISTING HANDHOLE	RADAR DETECTOR
Y YELLOW	Y. YELLOW ARROW	~ EXISTING RMC	PROPOSED UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN	PROPOSED CONTROLLER	THERMAL DETECTOR
G GREEN	G. GREEN ARROW	~ CABLE CLOSURE	EXISTING UTILITY POLE	DIRECTIONAL ARW. FOR PUSH BUTTON	EXISTING CONTROLLER	AUDIO DETECTOR
	W/D WALK / PED. CLR	VC VIDEO CAMERA CABLE	EXISTING WOOD SPAN POLE	PEDESTRIAN SIGNAL FACE	AUXILIARY EQUIPMENT CABINET	360° CAMERA ASSEMBLY
	D.W. DON'T WALK	RC RADAR CABLE		TRAFFIC SIGNAL FACE	OPTICAL DETECTOR	VIDEO THERMAL DETECTOR
						DETECTION ZONE
						LOOP DETECTOR
						POLE ANTENNA
						POLE ANCHOR



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

**FINAL DESIGN
FOR CONSTRUCTION
JULY 2025**

SCALE: 1"=40'

S.R. 847 (SOUTH MAIN STREET) AT SOUTH ELM STREET, EAST CLAY STREET, AND WEST CLAY STREET

TOWN(S): **WATERBURY**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0151-0340

DRAWING NO.:

ICS-07
SHEET NO.: **07.38**

[illegible]

DETECTORS			SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP																
ID	SIZE (WXI)	TYPE	MODE	MASTER	PROGRAM			CYCLE	OFFSET		PHASE SPLITS SEC / %									
QD1, QD1A	6' x 20'	LOOP (4 TURNS)	10" DELAY		FUNCTION	TIME	DAYS		SEC	%	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	
D1	6' x 50'	VIDEO - 360	PRESENCE		FLASH	NONE				/	/	/	/	/	/	/	/	/		
D2A, D2B, D2C	6' x 50'	VIDEO - 360	PRESENCE		MAX 1	ALL OTHER TIMES				/	/	/	/	/	/	/	/	/		
D3A, D3B, D3C	6' x 50'	VIDEO - 360	PRESENCE		MAX 2	FUTURE				/	/	/	/	/	/	/	/	/		
D4A, D4B	6' x 50'	VIDEO - 360	PRESENCE		PATTERN 1	0600-0900	M-F	100"	40"	77%	10/10	20/20	/	23/23	12/12	10/10	/	25/25		
D7A, D7B	6' x 50'	VIDEO - 360	PRESENCE		PATTERN 2	1500-1900	M-F	100"	23"	23%	10/10	23/23	/	17/17	15/15	10/10	/	25/25		
SD1	6' x 6'	VIDEO - 360	PRESENCE								/	/	/	/	/	/	/	/		
											/	/	/	/	/	/	/	/		

SIGN LEGEND

- A INSTALL 31-1629Z MOUNTED ON MAST ARM 
- B INSTALL 31-1629Z MOUNTED ON MAST ARM 
- C INSTALL 31-0816Z MOUNTED ON MAST ARM 
- D INSTALL 31-1447Z MOUNTED ON MAST ARM 
- E INSTALL 31-0223 
- F EXISTING 31-0222 
- G EXISTING 31-1604 
- H EXISTING 31-1178 31-1189  
- I EXISTING 31-1121 
- J EXISTING 31-0307 
- K EXISTING 31-1178 

WRONG WAY DETECTION NOTES:

PAVEMENT MARKING NOTES:
SEE SEPARATE PLAN FOR PAVEMENT MARKING INFORMATION.

FUTURE INTERCONNECT NOTES:
2" RMC FOR FUTURE INTERCONNECT FOR CITY OF WATERBURY USE. INSTALL 20' RMC RISER ON UTILITY POLE CL&P 8272 FOR CITY OF WATERBURY FUTURE USE

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON SR 847 (SOUTH MAIN STREET), I-84 EB EXIT 22 OFF RAMP, AND ALL STOP BARS.

CITY OF WATERBURY TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON MARKET SQUARE AND McMAHON STREET.

CITY OF WATERBURY TO OWN AND MAINTAIN EMERGENCY PRE-EMPTION EQUIPMENT.

ALL CROSSWALKS ARE BAR TYPE.

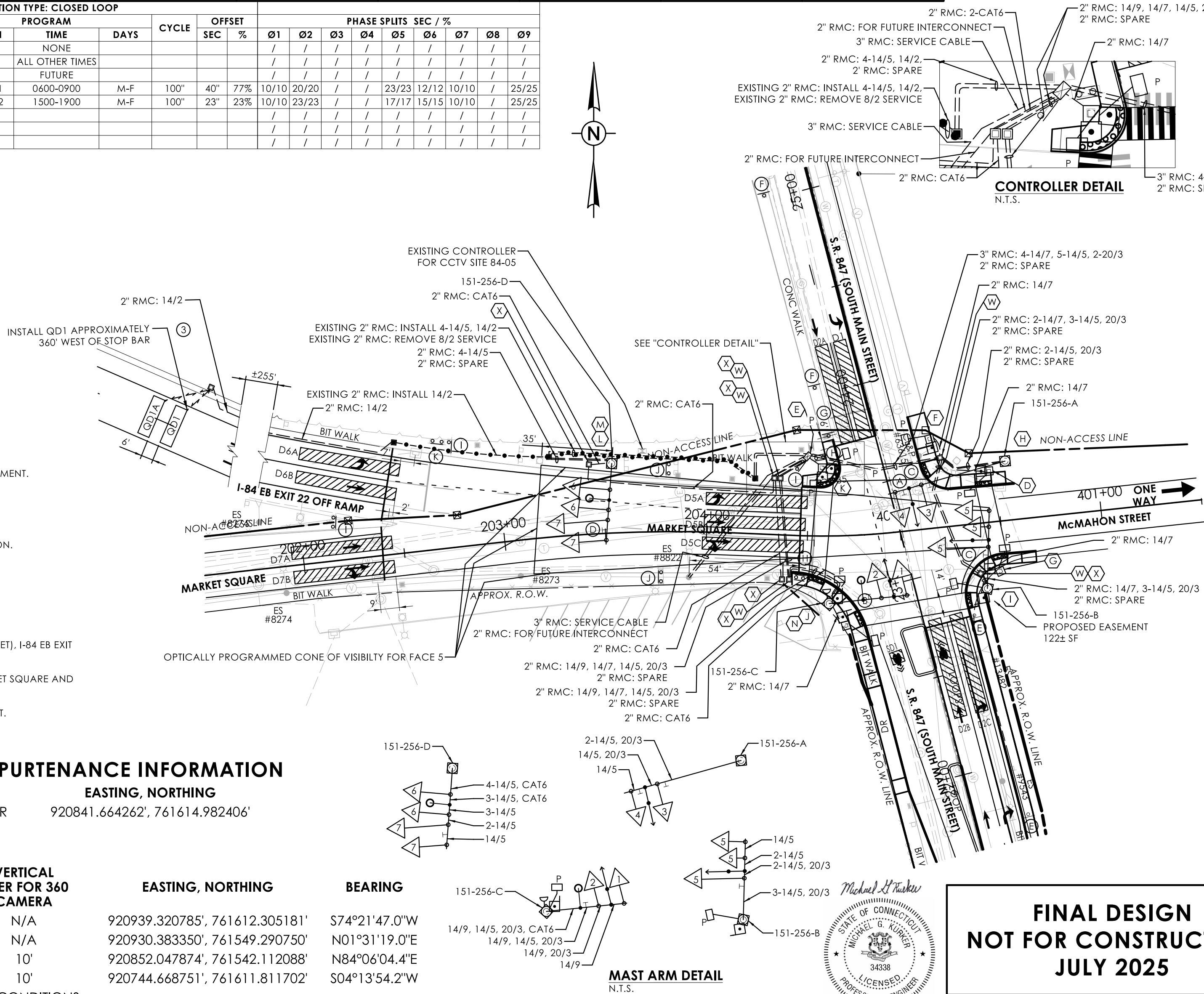
ADDITIONAL APPURTENANCE INFORMATION

QUADRANT	ITEM	EASTING, NORTHING
NW	CONTROLLER	920841.664262', 761614.982406'

MAST ARM INFORMATION

ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED	VERTICAL RISER FOR 360 CAMERA	EASTING, NORTHING	BEARING
151-256-A	*	60'	20XX	N/A	920939.320785', 761612.305181'	S74°21'47.0"W
151-256-B	*	40'	20XX	N/A	920930.383350', 761549.290750'	N01°31'19.0"E
151-256-C	*	40'	20XX	10'	920852.047874', 761542.112088'	N84°06'04.4"E
151-256-D	*	40'	20XX	10'	920744.668751', 761611.811702'	S04°13'54.2"W

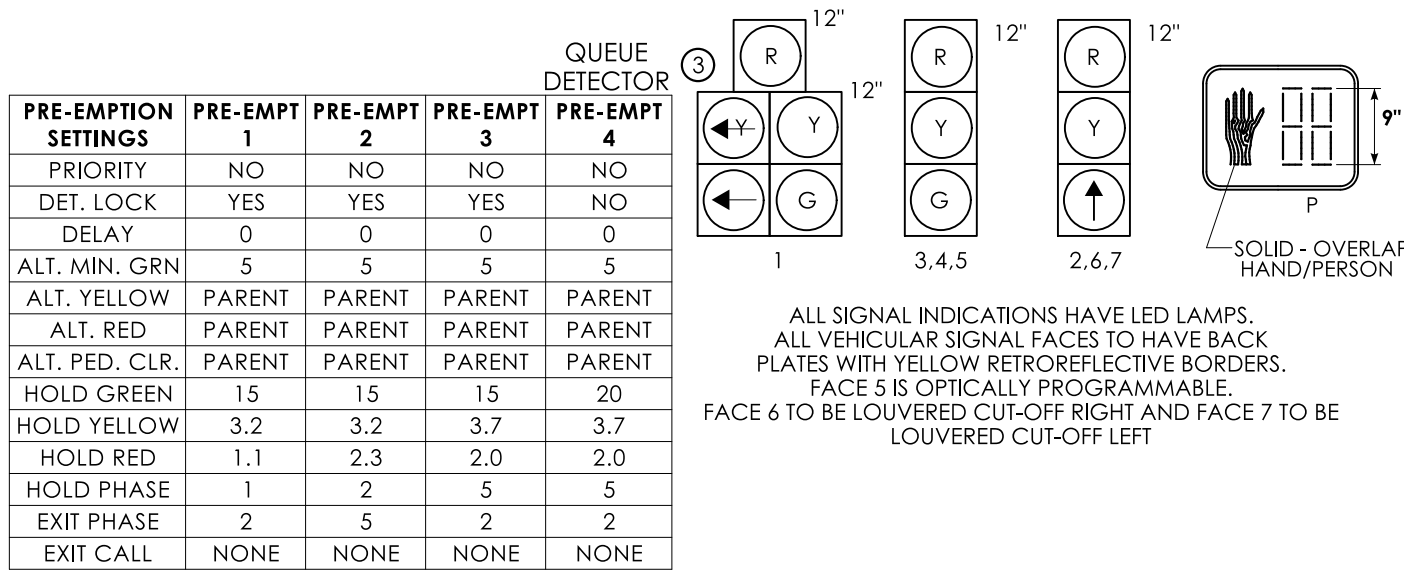
* TO BE CALCULATED BY THE CONTRACTOR BASED ON FIELD CONDITIONS.



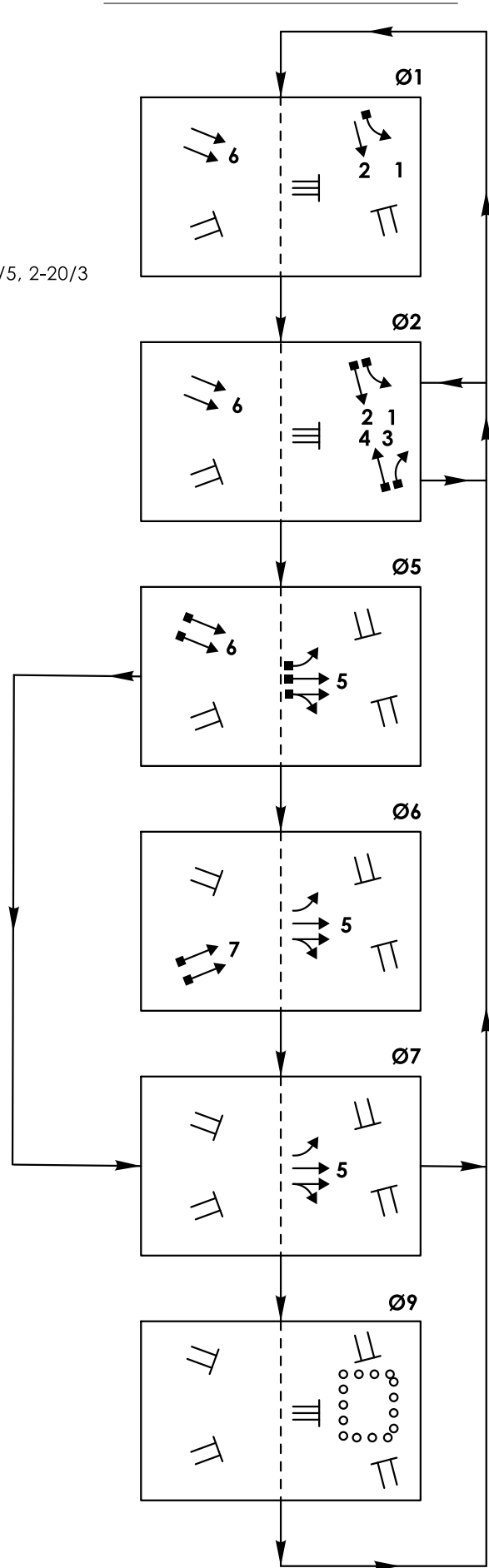
TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY.
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.
TIMINGS SHOWN ARE FOR FREE OPERATION. ACTUAL TIMING TO BE DETERMINED BY THE CLOSED LOOP DETERMINATION UNIT
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
③ WHEN QUEUE DETECTOR IS OCCUPIED FOR MORE THAN 10 SECONDS. PRE-EMPT TO PHASE #5 (PRE-EMPT #4).
④ SET QUEUE DETECTOR DURATION TIME TO 60 SECONDS.
⑤ REPLACED BY G IF PHASE 1 IS NEXT.
⑥ REPLACED BY ↑ IF PHASE 1 IS NEXT.
PRE-EMPTION LOCKOUT TIME TO RESTRICT MULTIPLE PRE-EMPTIONS WITHIN 60 SECONDS.
D7A, D7B, AND D7C TO CALL PHASE 5 AND 7.
THIS INTERSECTION WIRELESSLY CONNECTED BY RADIO TO S.R. 847 (SOUTH MAIN STREET) AT SOUTH ELM STREET, EAST CLAY STREET, AND WEST CLAY STREET (STATE INT #151-212).

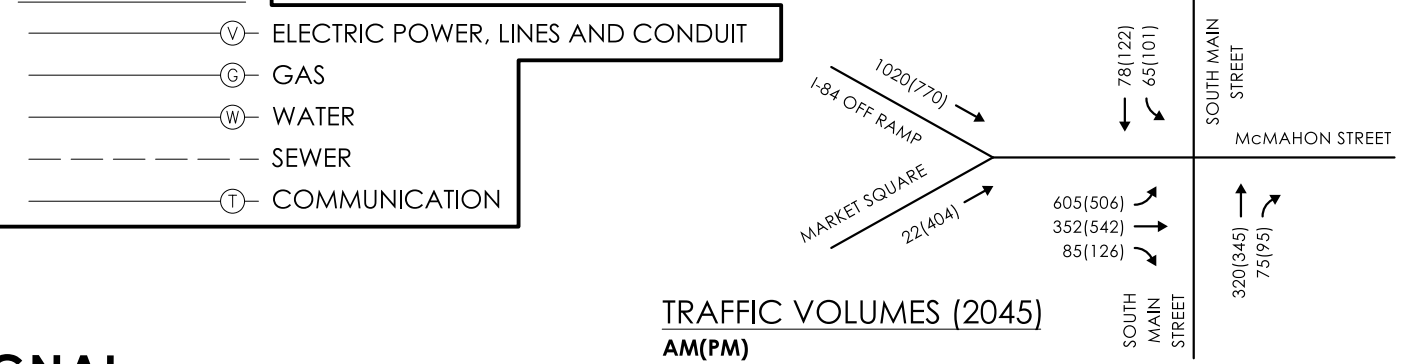
SIGNAL FACES



SIGNAL PHASING DIAGRAM



UTILITY LEGEND



CITY SIGNAL

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	STATE INTERSECTION # 151-256	CITY INTERSECTION # 023
ENGINEER				07/2025		ENERGY BY: CITY	ADDRESS #:
DRAWN BY							
CHECKED BY							
SUBMITTED BY							
APPROVED BY						MAINT LEVEL: CITY	SERVICE POLE: CL&P 8272
APPROVED DATE							METERED SERVICE

**FINAL DESIGN
NOT FOR CONSTRUCTION
JULY 2025**

SCALE: 1"=40'



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

S.R. 847 (SOUTH MAIN STREET) AT I-84 EB EXIT 22 OFF-RAMP, MARKET SQUARE, AND McMAHON STREET

TOWN(S): **WATERBURY**

DRAWING TITLE:

**TRAFFIC CONTROL
SIGNAL PLAN**

PROJECT NO.: 0151-0010

DRAWING NO.:
TCS-08

SHEET NO.:
07.39

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PLOTTED DATE: 7/16/2025

REV.	DATE	REVISION DESCRIPTION

SIGNS:

Ⓐ

EXISTING 31-1121 (

DO NOT ENTER

) TO REMAIN

EXISTING 31-5003 (

) TO REMAIN

Ⓑ

REMOVE 31-1123 (

WRONG WAY

)

REMOVE 31-5003 (

)

Ⓒ

REMOVE 31-1121 (

DO NOT ENTER

)

REMOVE 31-5003 (

)

Ⓓ

INSTALL 31-1121 (

DO NOT ENTER

)

INSTALL 31-5003 (

)

CONSTRUCTION NOTES:

ALL EQUIPMENT IS NEW, EXCEPT AS NOTED.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN SPECIAL PROVISIONS, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

COORDINATE AND SCHEDULE THE FOLLOWING WORK BY EVERSOURCE:

-SERVICE CONNECTION ON POLE ES #8274.

Ⓓ INSTALL 4'-4" ALUMINUM PEDESTAL AND MOUNT CABINET. INSTALL METER SOCKET ON THE CABINET. EVERSOURCE TO MOUNT METER TO PEDESTAL. WORK TO BE PAID FOR UNDER ITEM #1105503A - FLASHER CABINET AND ITEM #1017032A - SERVICE (METERED).

Ⓔ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD: MOUNT 2 FLR, 2 CCTV, 2 ILLUMINATORS, CABINET, AND LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID FOR UNDER ITEM #1117104A - WRONG WAY DETECTION AND WARNING SYSTEM - AC POWERED.

Ⓕ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD: MOUNT SOLAR PANELS, CABINET, AND LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID UNDER ITEM #1117107A.

Ⓖ AC POWER FOR WRONG WAY DETECTOR POLE "U" TO BE SUPPLIED BY UTILITY POLE ES #8274.

Ⓗ INSTALL TYPE II HANDHOLE.

Ⓙ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD: MOUNT LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID FOR UNDER ITEM #1117104A - WRONG WAY DETECTION AND WARNING SYSTEM - AC POWERED.

LOCATIONS ARE FOR ILLUSTRATIONS ONLY. EXACT LOCATIONS AND ORIENTATION SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE.

ENSURE THAT ALUMINUM PEDESTALS DO NOT BLOCK VIEW OF EXISTING LANE USE OR GUIDE SIGNS.

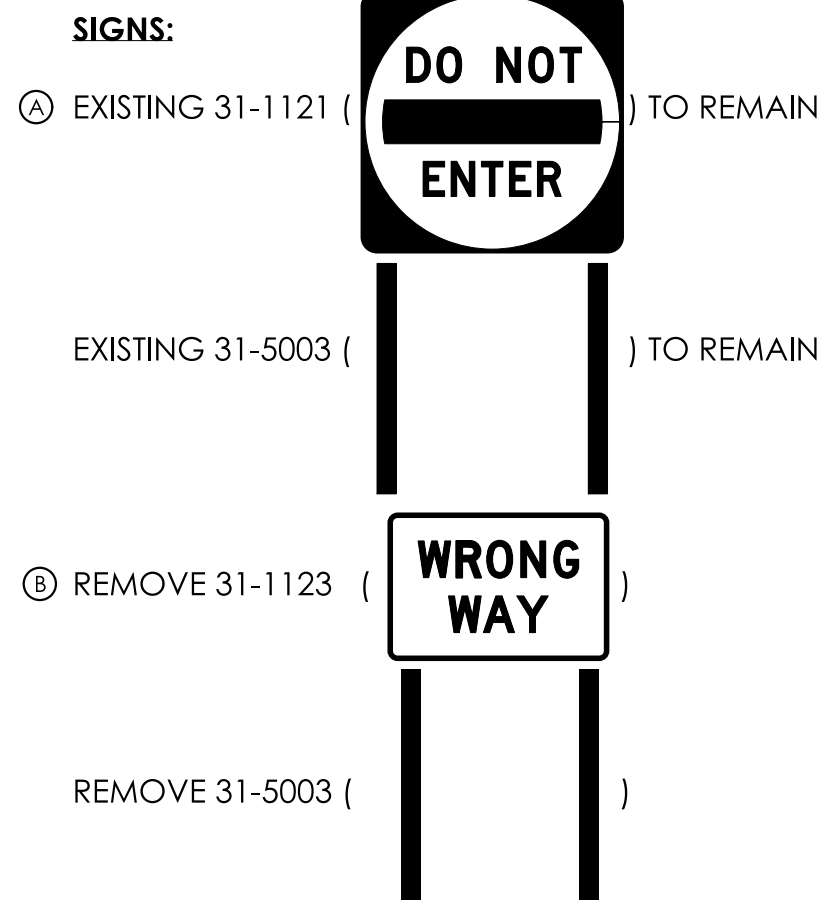
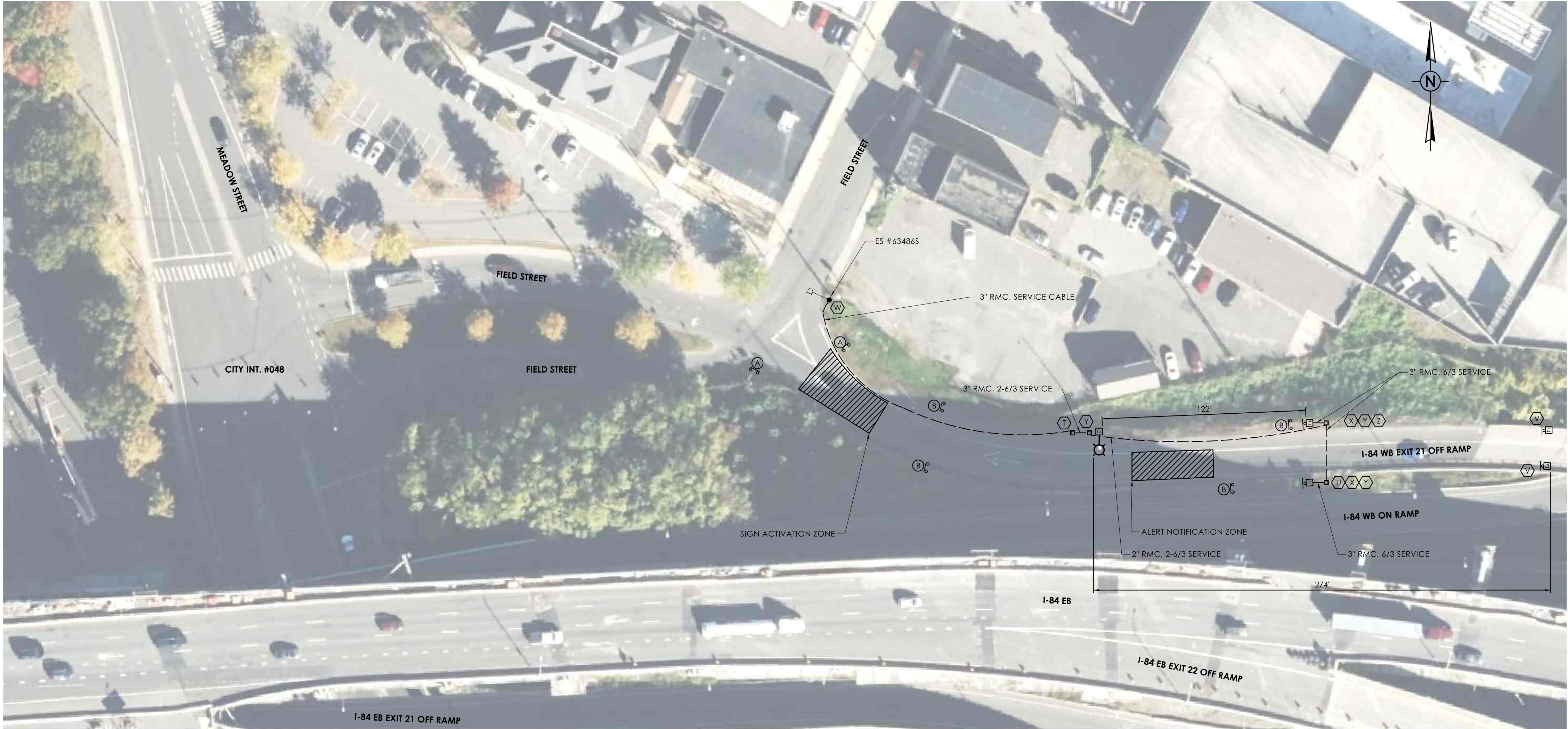
INSTALL A 3" RMC SWEEP AT ES #8274 AND ATTACH TO THE SERVICE CONDUIT WITH A PVC FEMALE ADAPTER. TO BE PAID FOR UNDER ITEM NO. 1017032A SERVICE (METERED). BOND AND GROUND RMC SWEEP PER EVERSOURCE REQUIREMENTS. EVERSOURCE TO FURNISH AND INSTALL THE SERVICE RISER AND LINE-SIDE CONDUCTORS.

SERVICE CONDUIT INSTALLED UNDER THE ROADWAY SHALL BE 3" RMC. A PVC FEMALE ADAPTER SHALL BE USED TO CONNECT THE 3" PVC IN TRENCH.

REFER TO TCS-08 FOR MORE INFORMATION.

SIGNATURE BLOCK:			CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: WRONG WAY SIGNS WITH FLASHERS - S MAIN STREET AT I-84 EB EXIT 22 OFF-RAMP, MARKET SQUARE, MCMAHON STREET	PROJECT NO.: 0151-0340	DRAWING NO.: WWS-01 SHEET NO.: 07.40
DESIGNER/DRAFTER: S. SEPERACK	CHECKED BY: M. KURKER							

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PLOTTED DATE: 7/16/2025



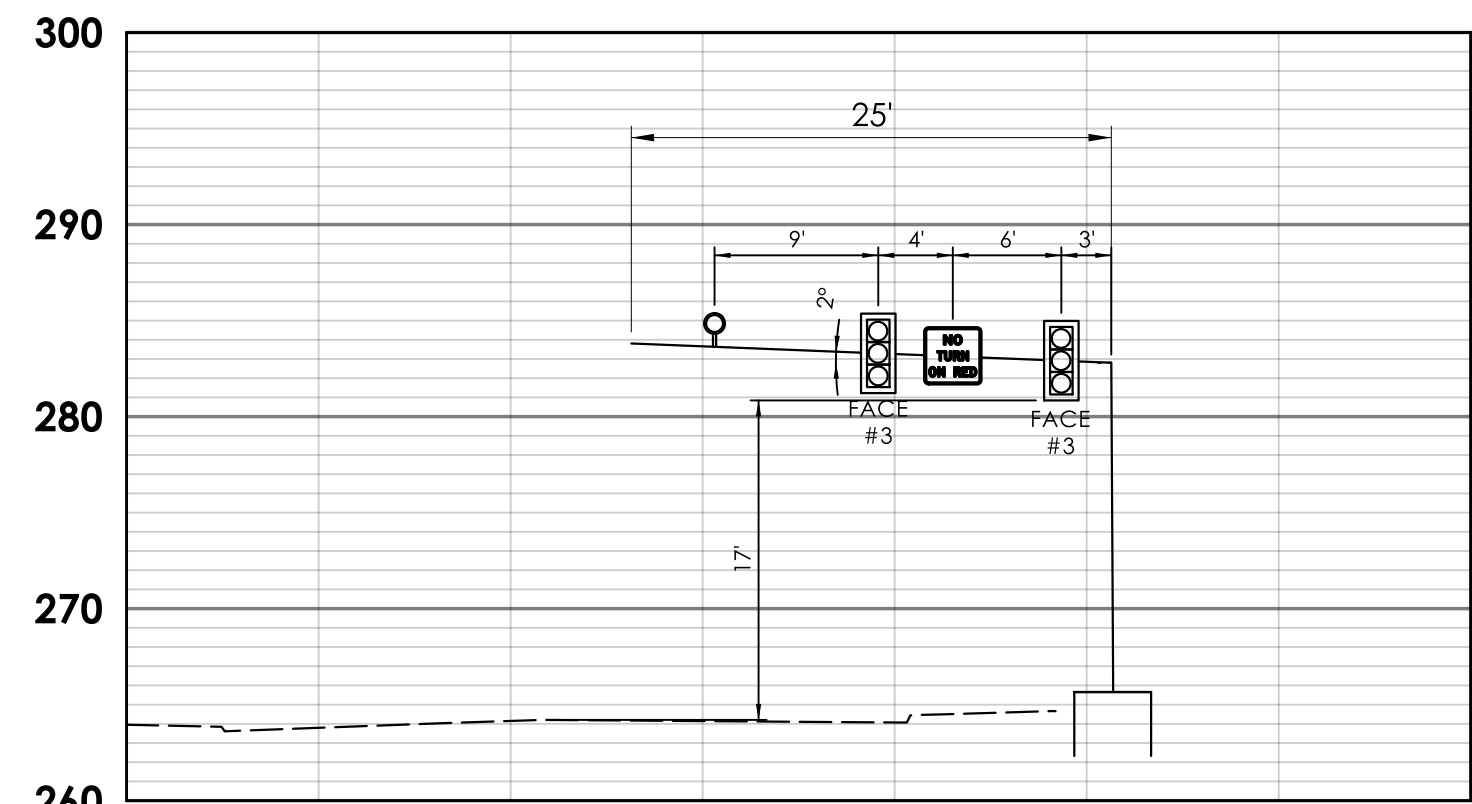
CONSTRUCTION NOTES:

- ALL EQUIPMENT IS NEW, EXCEPT AS NOTED.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN SPECIAL PROVISIONS, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.
- COORDINATE AND SCHEDULE THE FOLLOWING WORK BY EVERSOURCE:
- SERVICE CONNECTION ON POLE ES #634865.
- Ⓙ INSTALL 4'-4" ALUMINUM PEDESTAL AND MOUNT CABINET. INSTALL METER SOCKET ON THE CABINET. EVERSOURCE TO MOUNT METER TO PEDESTAL. WORK TO BE PAID FOR UNDER ITEM #1105503A - FLASHER CABINET AND ITEM #1017032A - SERVICE (METERED).
- Ⓚ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD; MOUNT 2 FLIR, 2 CCTV, 2 ILLUMINATORS, CABINET, AND LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID FOR UNDER ITEM #1117104A - WRONG WAY DETECTION AND WARNING SYSTEM - AC POWERED.
- Ⓛ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD; MOUNT SOLAR PANELS, CABINET, AND LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID UNDER ITEM #1117107A.
- Ⓜ AC POWER FOR WRONG WAY DETECTOR POLE "U" TO BE SUPPLIED BY UTILITY POLE ES #634865.
- Ⓝ TRIM TREE BRANCHES/VEGETATION. WORK TO BE PAID FOR UNDER ITEM #0952001A - SELECTIVE CLEARING AND THINNING.
- Ⓞ INSTALL TYPE II HANDHOLE.
- Ⓟ INSTALL 20' ALUMINUM PEDESTAL 10' OFF EDGE OF ROAD; MOUNT LEGENDVIZ "WRONG WAY" SIGN. TO BE PAID FOR UNDER ITEM #1117104A - WRONG WAY DETECTION AND WARNING SYSTEM - AC POWERED.
- LOCATIONS ARE FOR ILLUSTRATIONS ONLY. EXACT LOCATIONS AND ORIENTATION SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE.
- ENSURE THAT ALUMINUM PEDESTALS DO NOT BLOCK VIEW OF EXISTING LANE USE OR GUIDE SIGNS.
- INSTALL A 3" RMC SWEEP AT THE SERVICE POLE AND ATTACH TO THE SERVICE CONDUIT WITH A PVC FEMALE ADAPTER. TO BE PAID FOR UNDER ITEM NO. 1017032A - SERVICE (METERED). BOND AND GROUND RMC SWEEP PER EVERSOURCE REQUIREMENTS. EVERSOURCE TO FURNISH AND INSTALL THE SERVICE RISER AND LINE-SIDE CONDUCTORS.
- SERVICE CONDUIT INSTALLED UNDER THE ROADWAY SHALL BE 3" RMC. A PVC FEMALE ADAPTER SHALL BE USED TO CONNECT TO THE 3" PVC IN TRENCH.
- REFER TO TCS-04 FOR MORE INFORMATION.

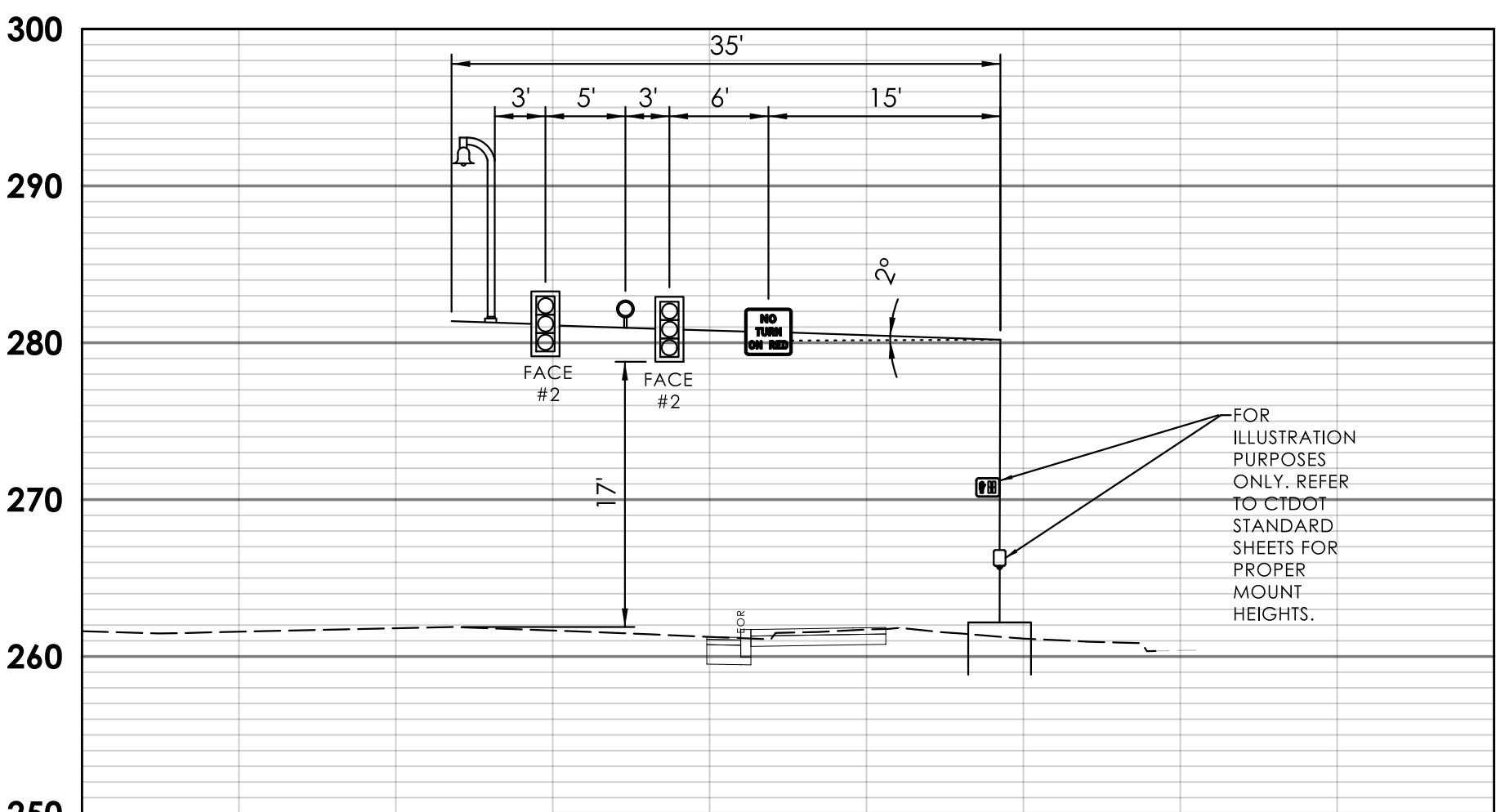
REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  DESIGNER/DRAFTER: S. SEPERACK CHECKED BY: M. KURKER		 CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: WRONG WAY SIGNS WITH FLASHERS - FIELD STREET AT I-84 WB EXIT 21 OFF-RAMP	PROJECT NO.: 0151-0340	DRAWING NO.: WWS-02 SHEET NO.: 07.41
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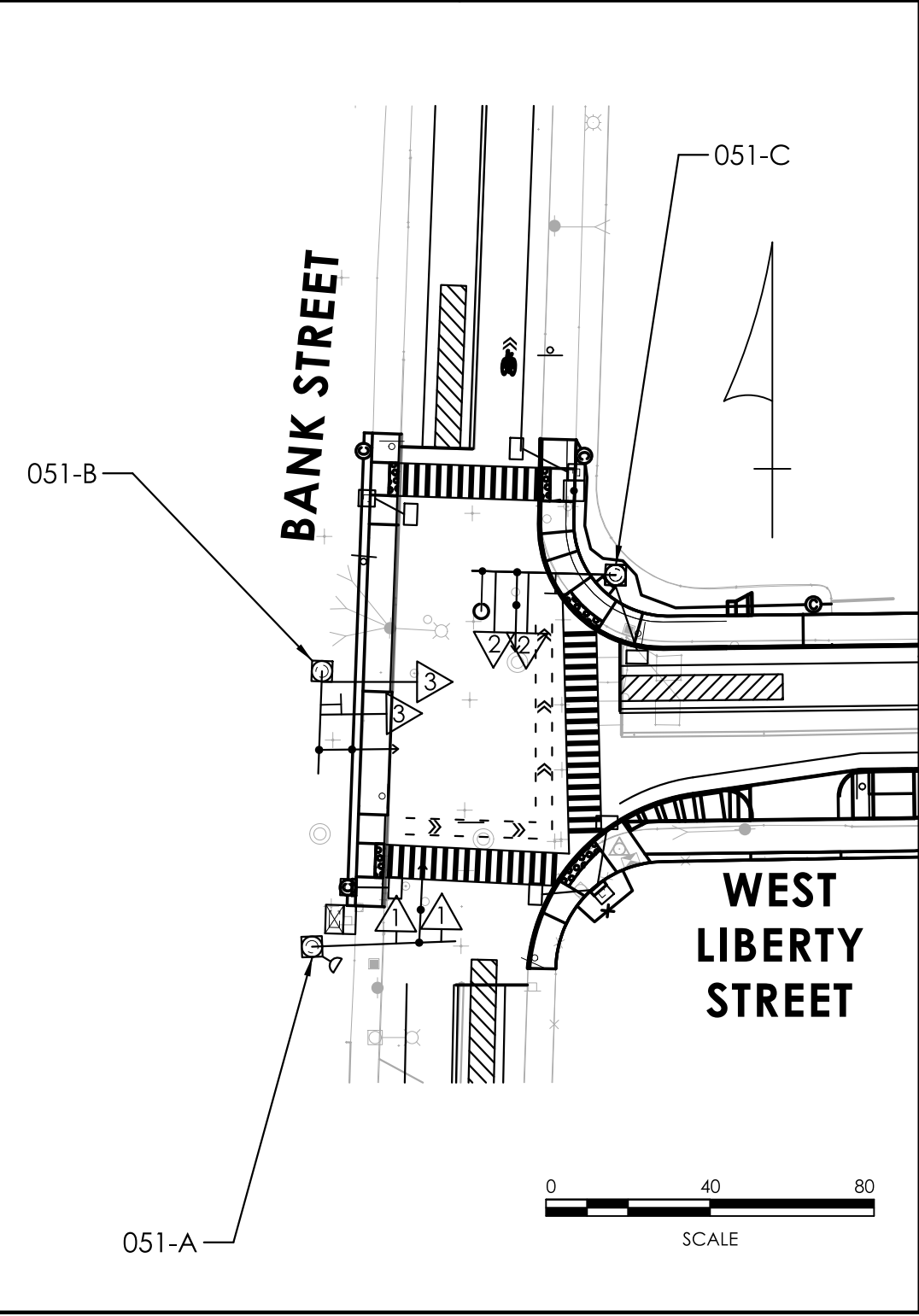
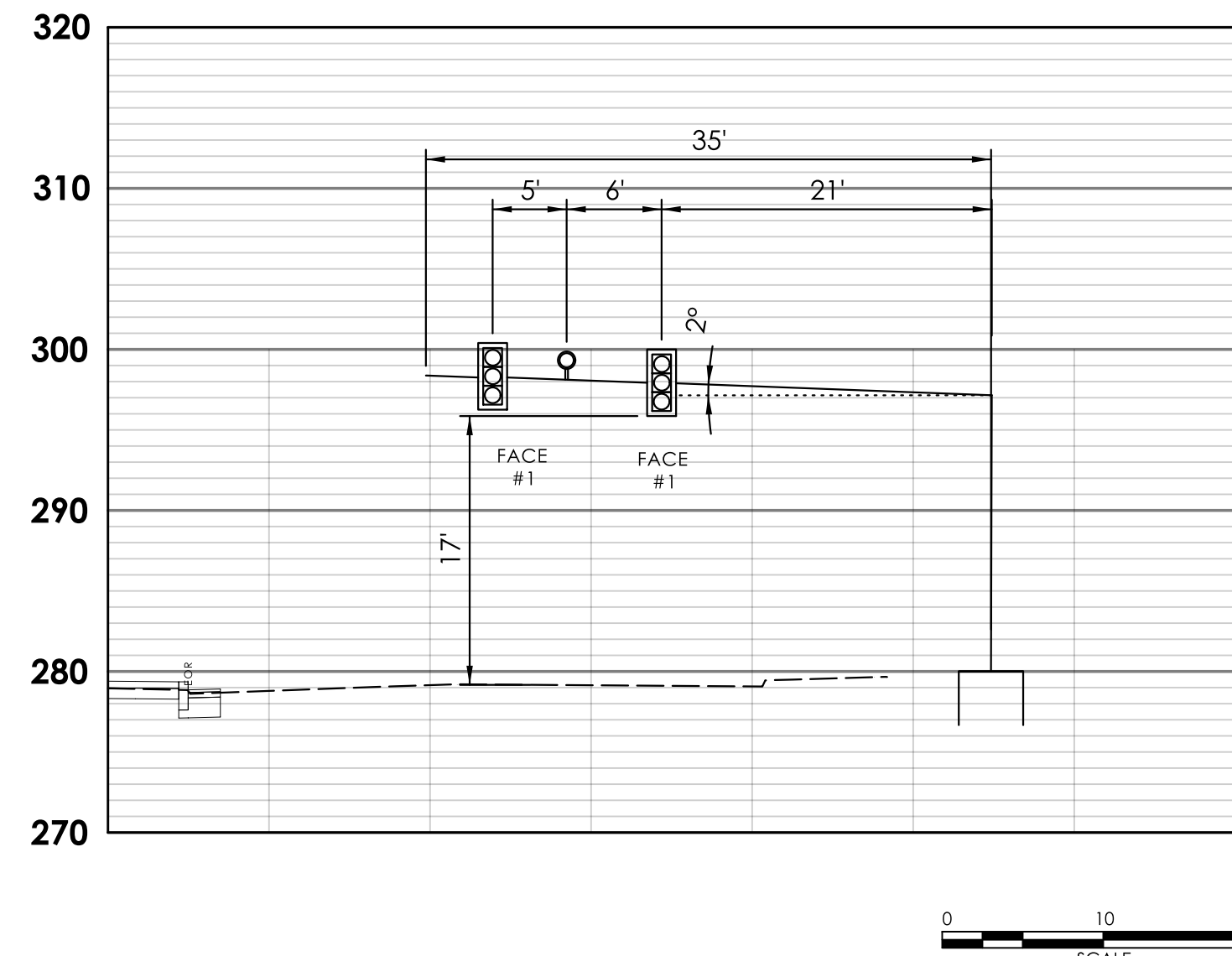
CITY INTERSECTION #051-B MAST ARM PROFILE



CITY INTERSECTION #051-C MAST ARM PROFILE



CITY INTERSECTION #051-A MAST ARM PROFILE



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

SEE TCS-01 FOR ADDITIONAL LEGEND INFORMATION.

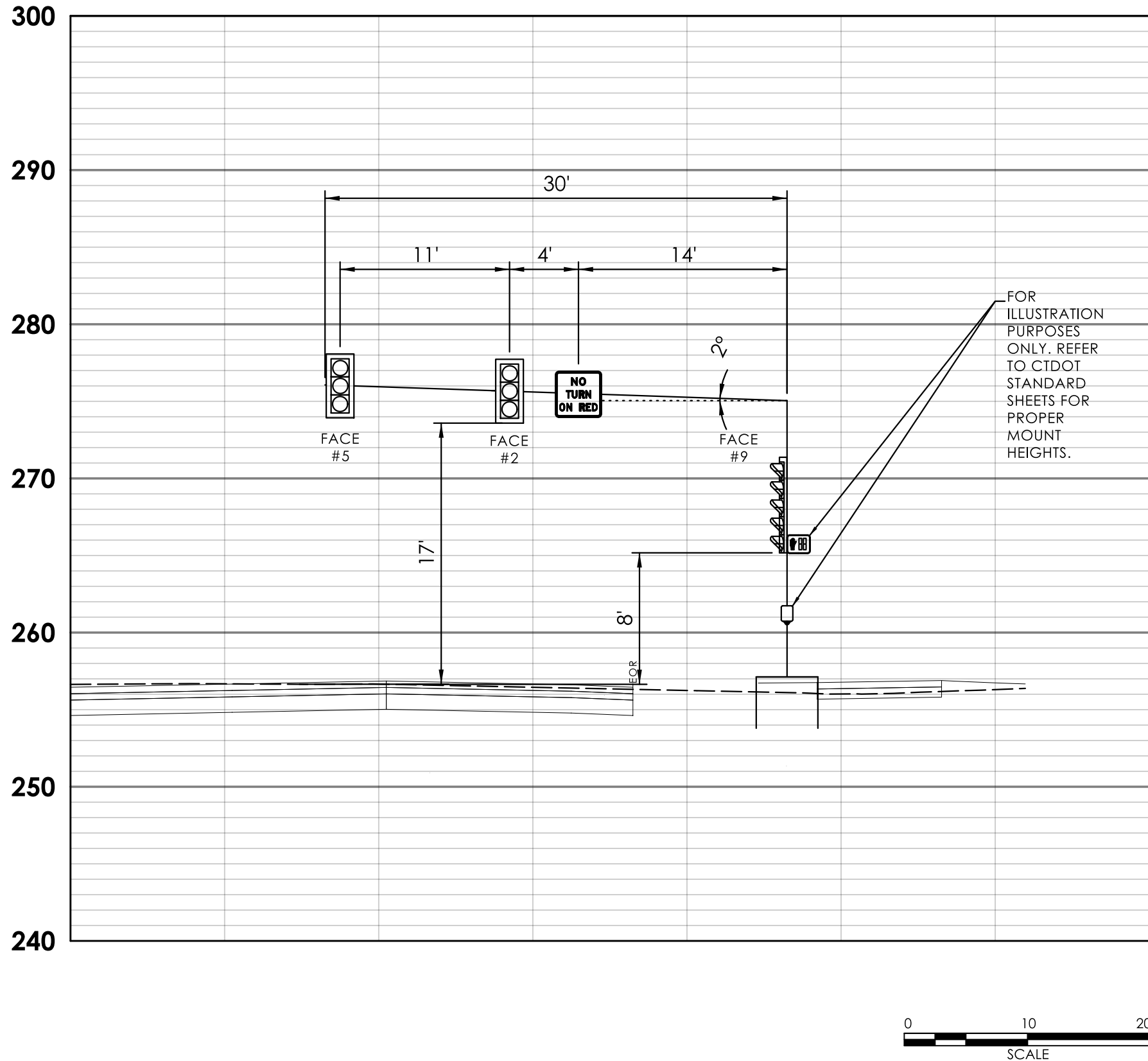
MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

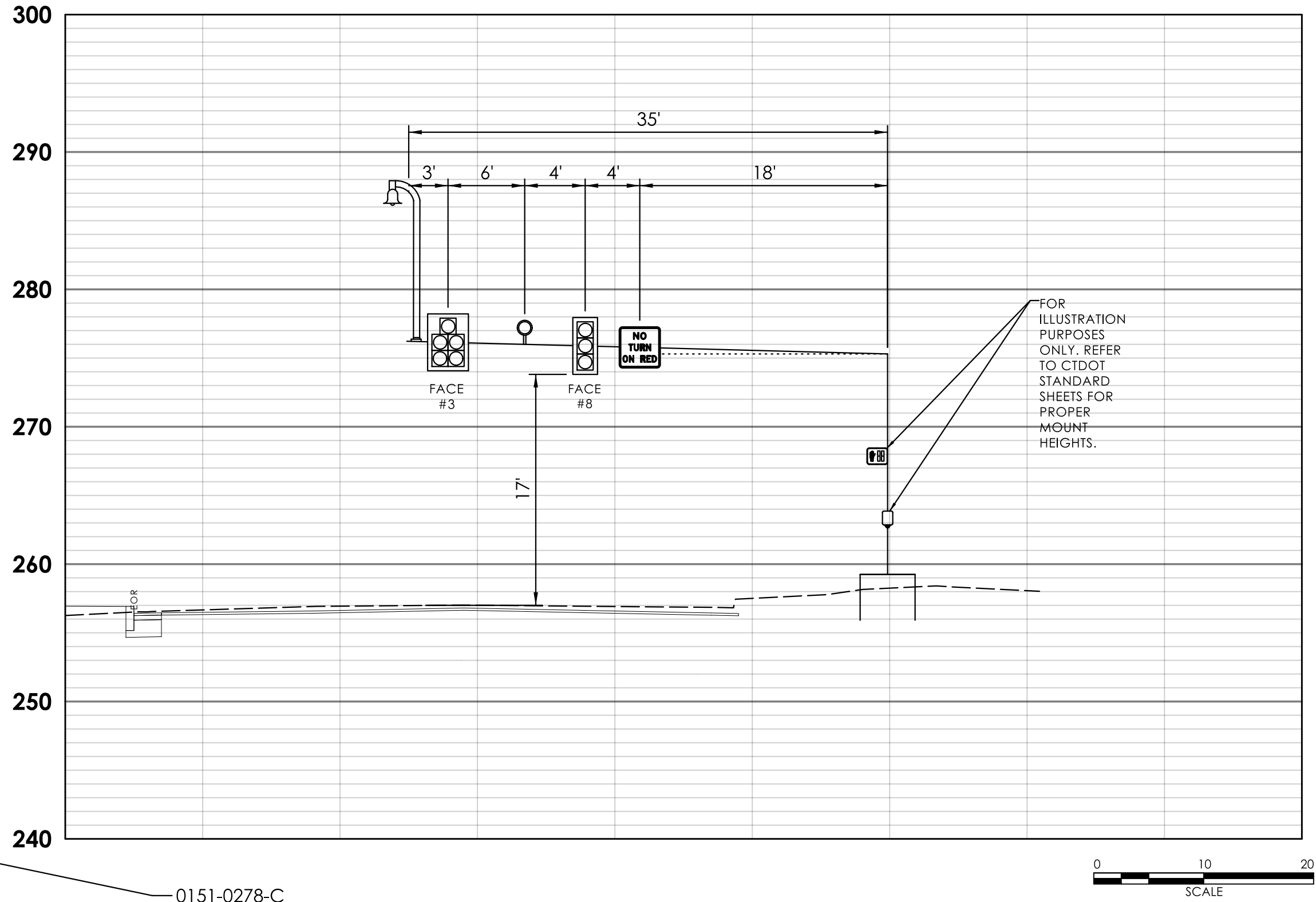
- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

REV.	DATE	REVISION DESCRIPTION

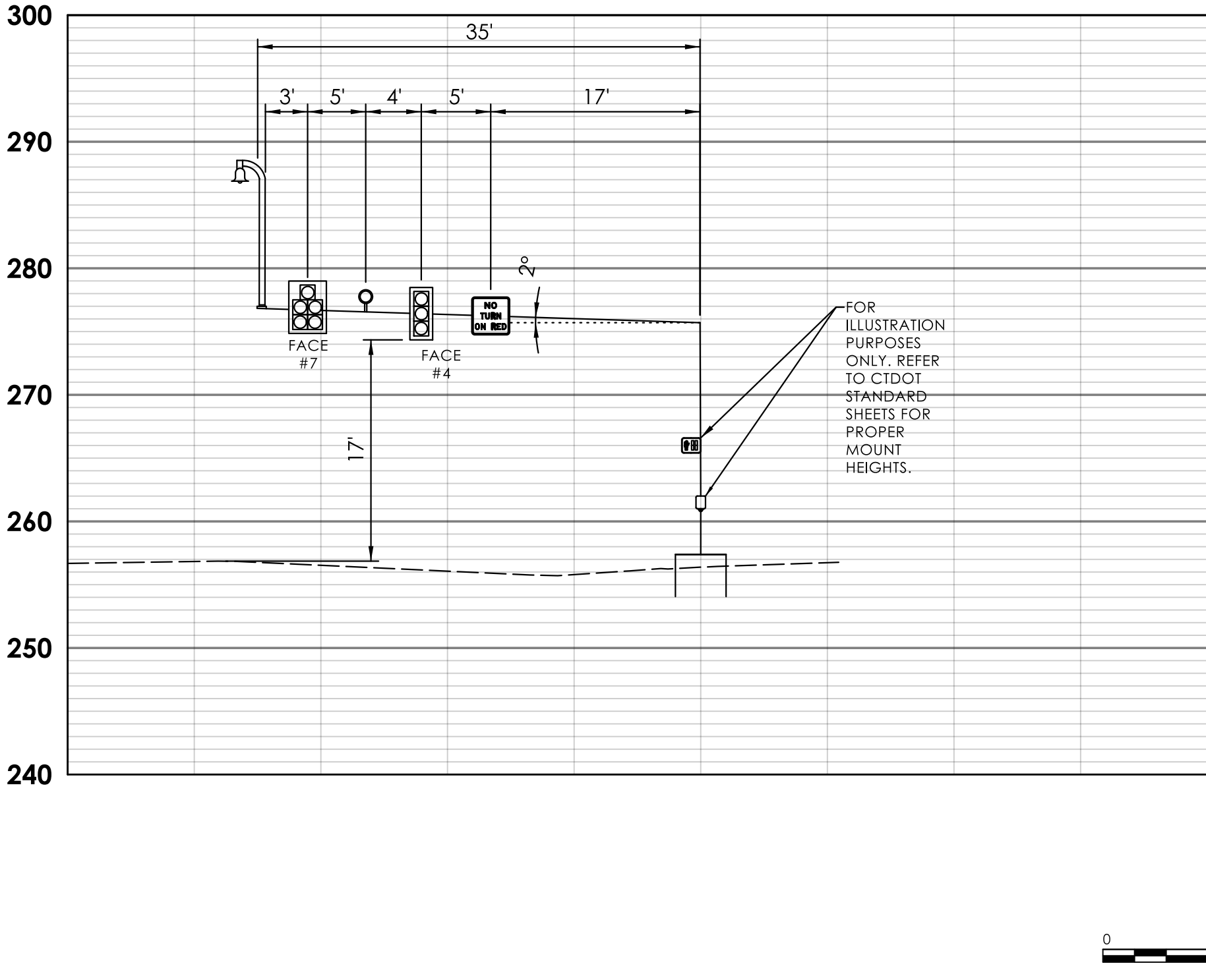
MAST ARM 0151-0278-B PROFILE



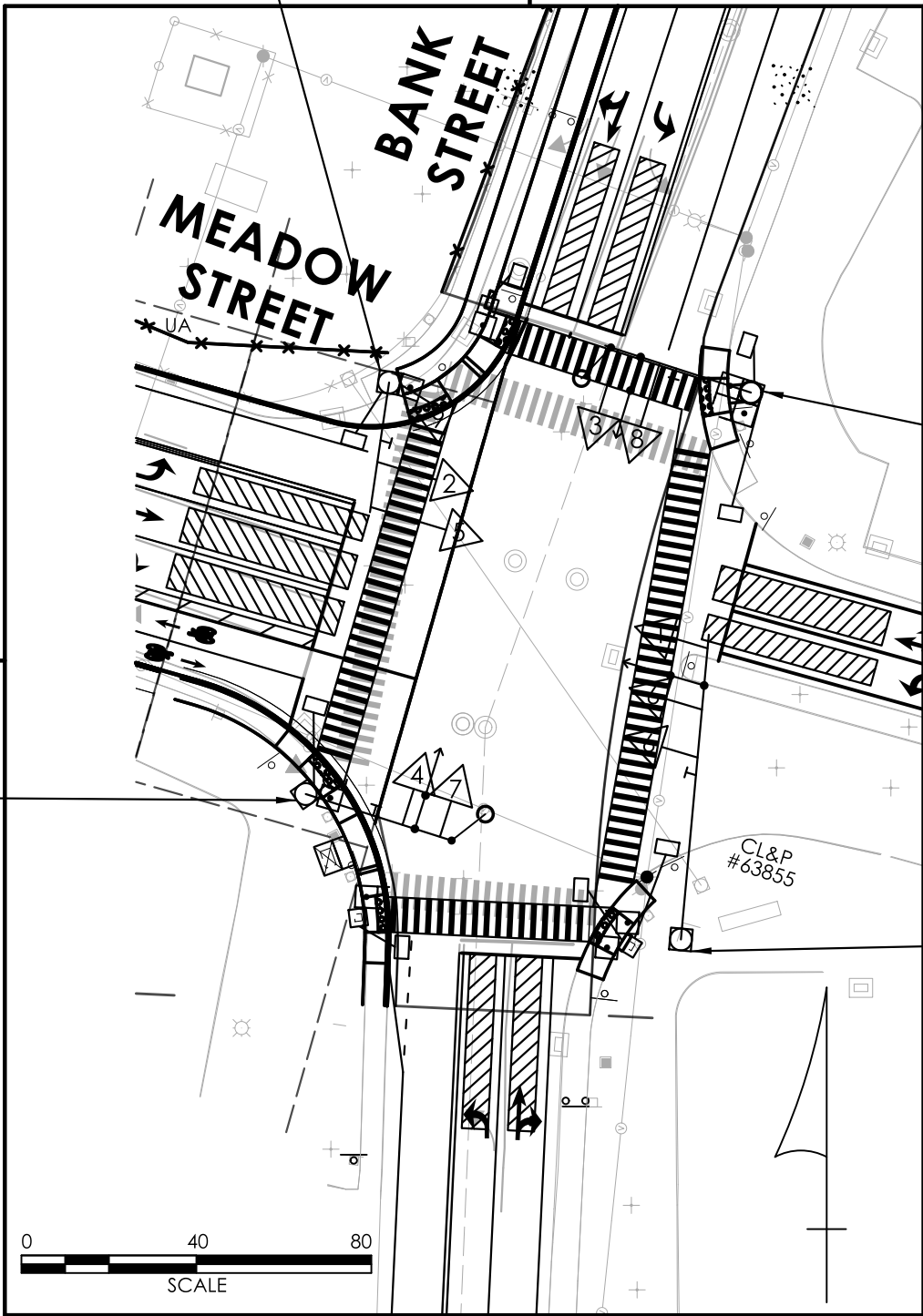
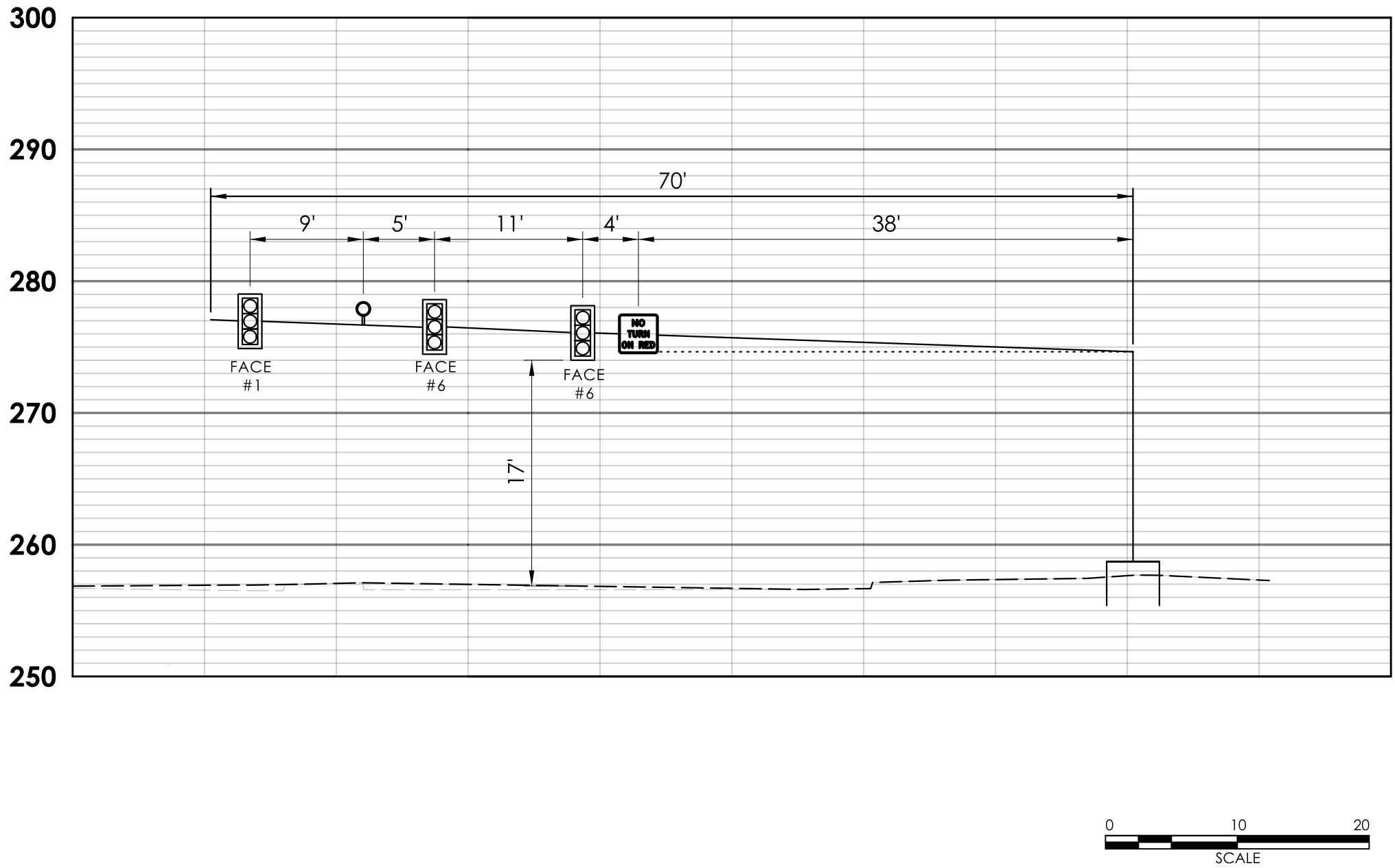
MAST ARM 0151-0278-C PROFILE



MAST ARM 0151-0278-A PROFILE



MAST ARM 0151-0278-D PROFILE



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

SEE TCS-02 FOR ADDITIONAL LEGEND INFORMATION.
MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

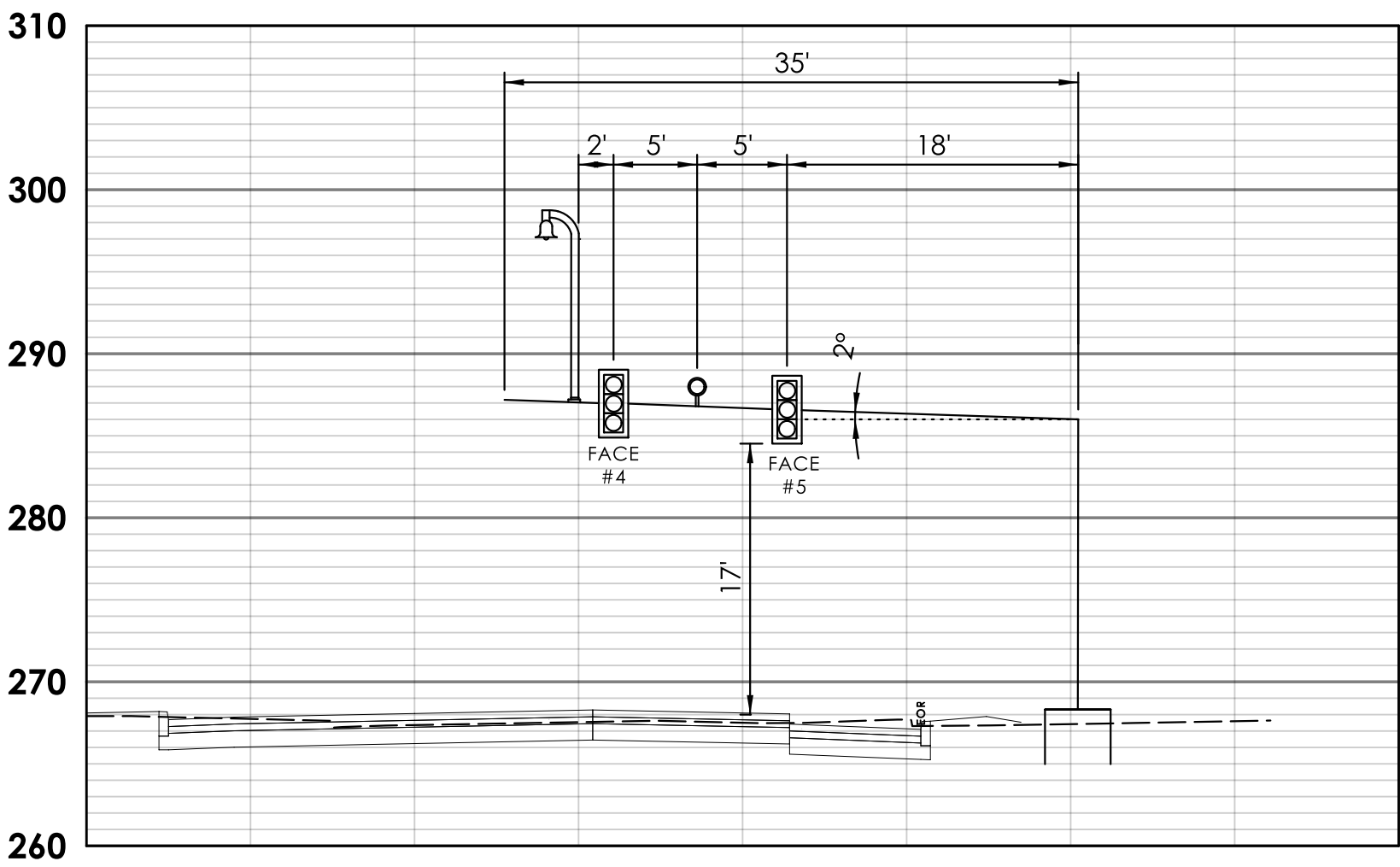
TOWN(S):
WATERBURY

DRAWING TITLE:
MAST ARM CROSS SECTIONS -
MEADOW STREET AT BANK
STREET AND PLAZA DRIVE

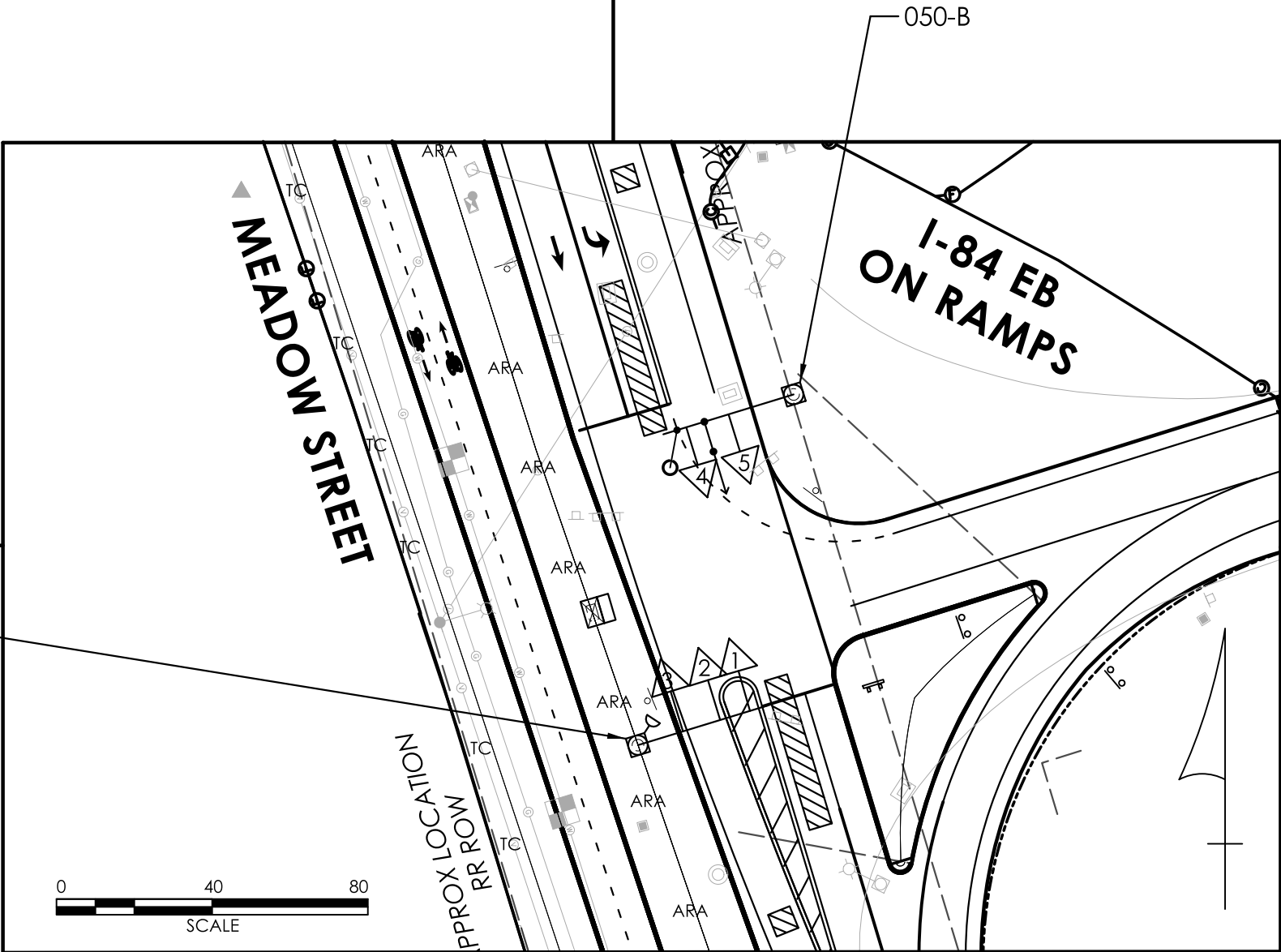
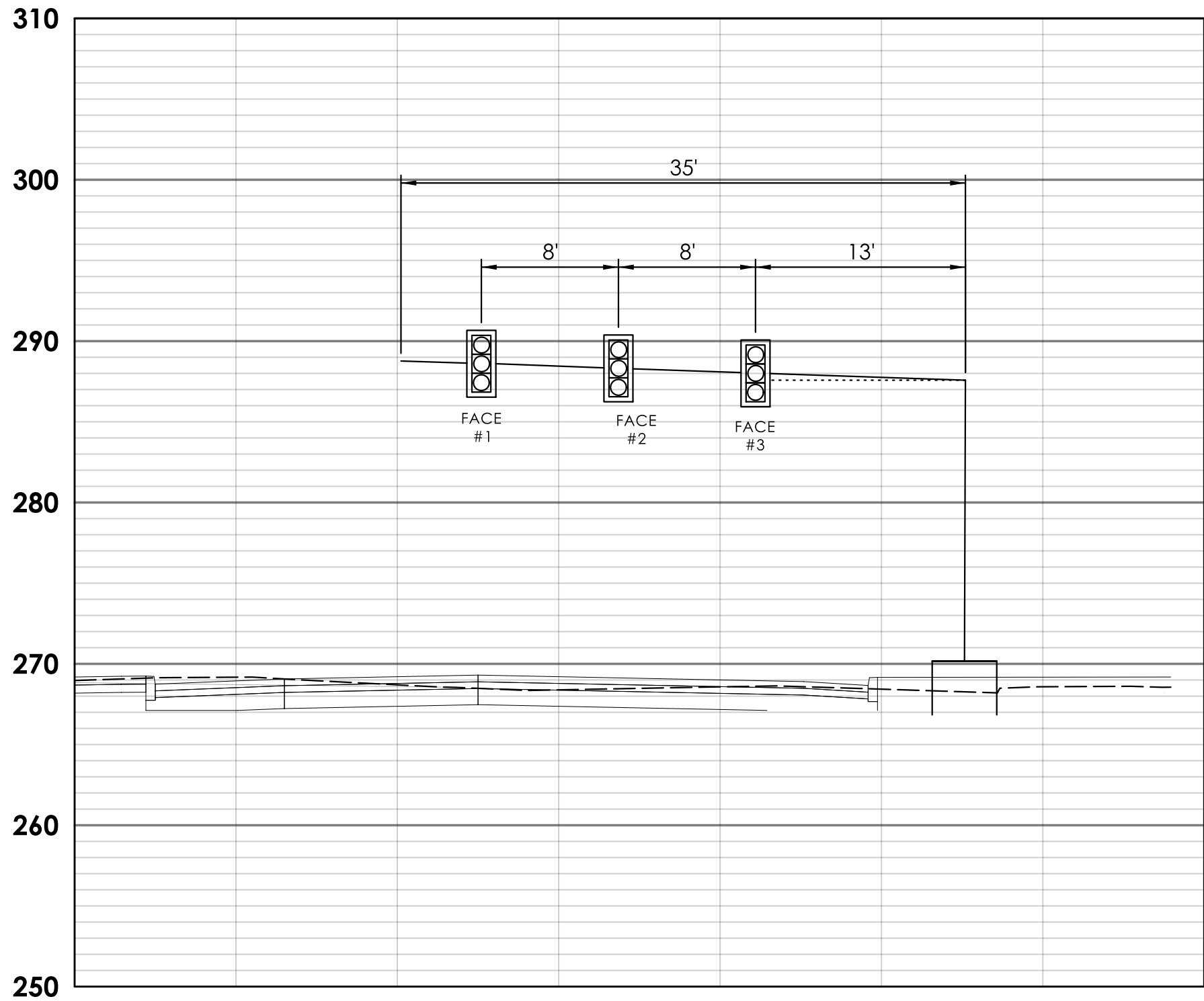
PROJECT NO.:
0151-0340

DRAWING NO.:
TXCS-02
SHEET NO.:
07.43

CITY INTERSECTION #050-B MAST ARM PROFILE



CITY INTERSECTION #050-A MAST ARM PROFILE



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

SEE TCS-03 FOR ADDITIONAL LEGEND INFORMATION.

MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

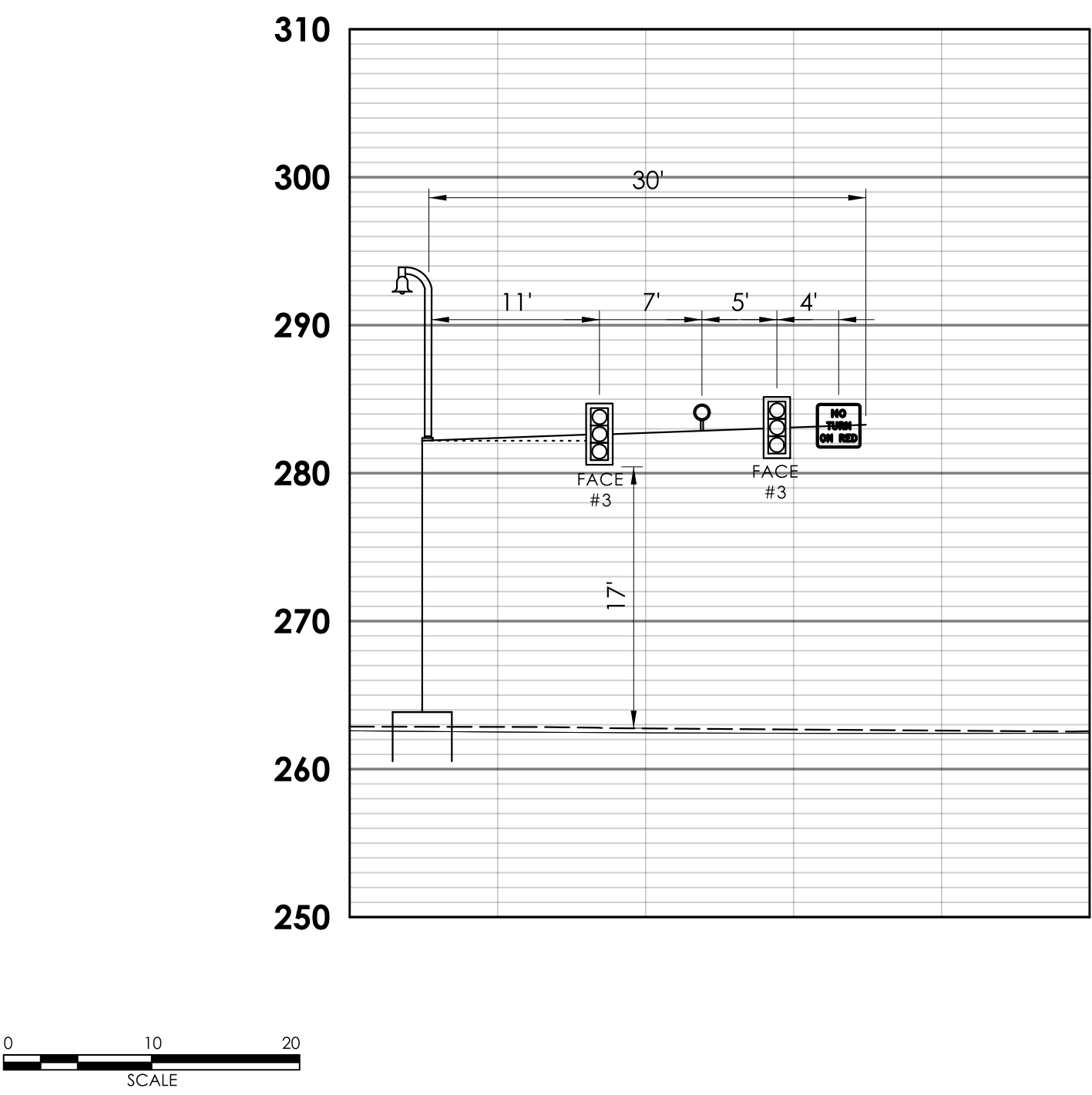
TOWN(S):
WATERBURY

DRAWING TITLE:
MAST ARM CROSS SECTIONS -
MEADOW STREET AT I-84
EASTBOUND ON-RAMPS

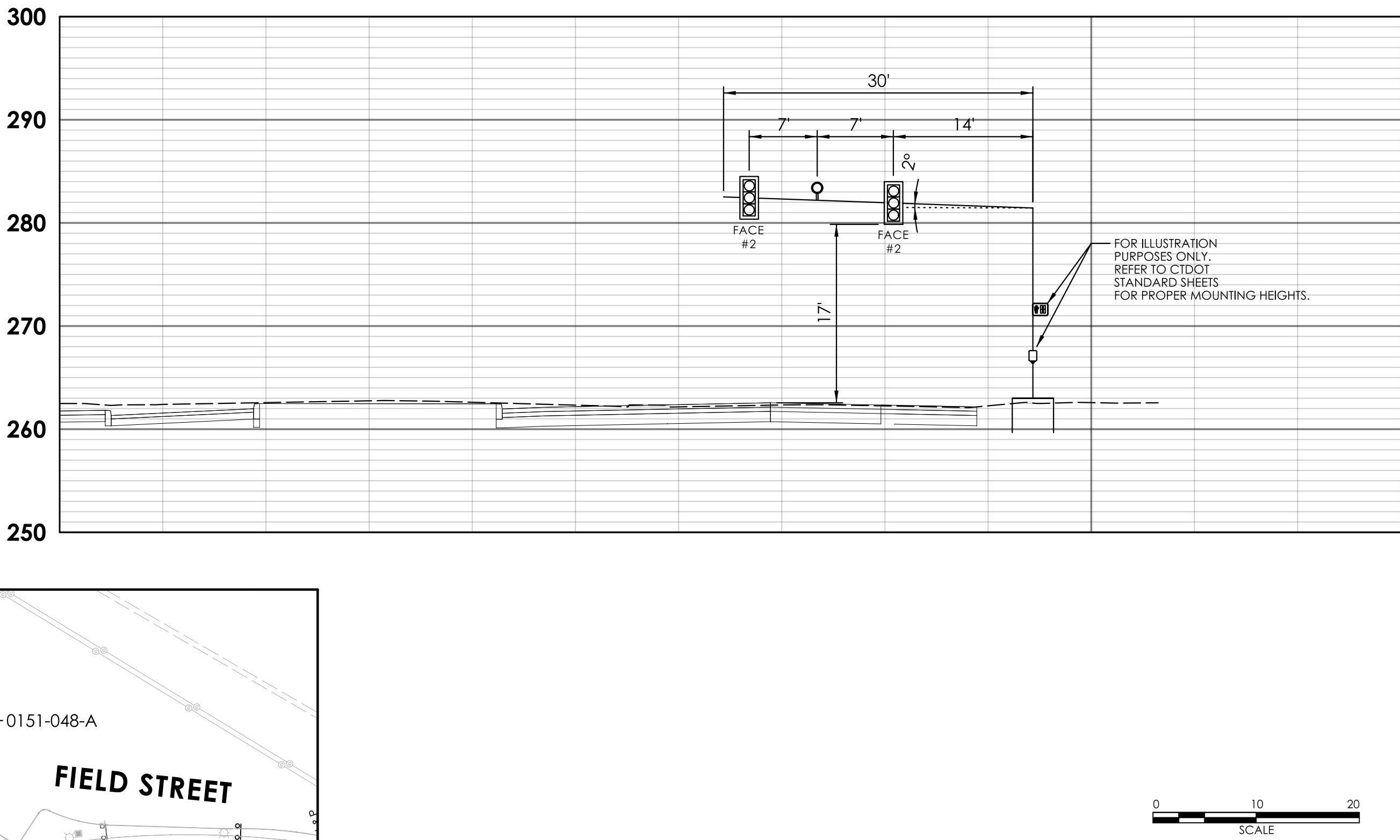
PROJECT NO.:
0151-0340

DRAWING NO.:
TXCS-03
SHEET NO.:
07.44

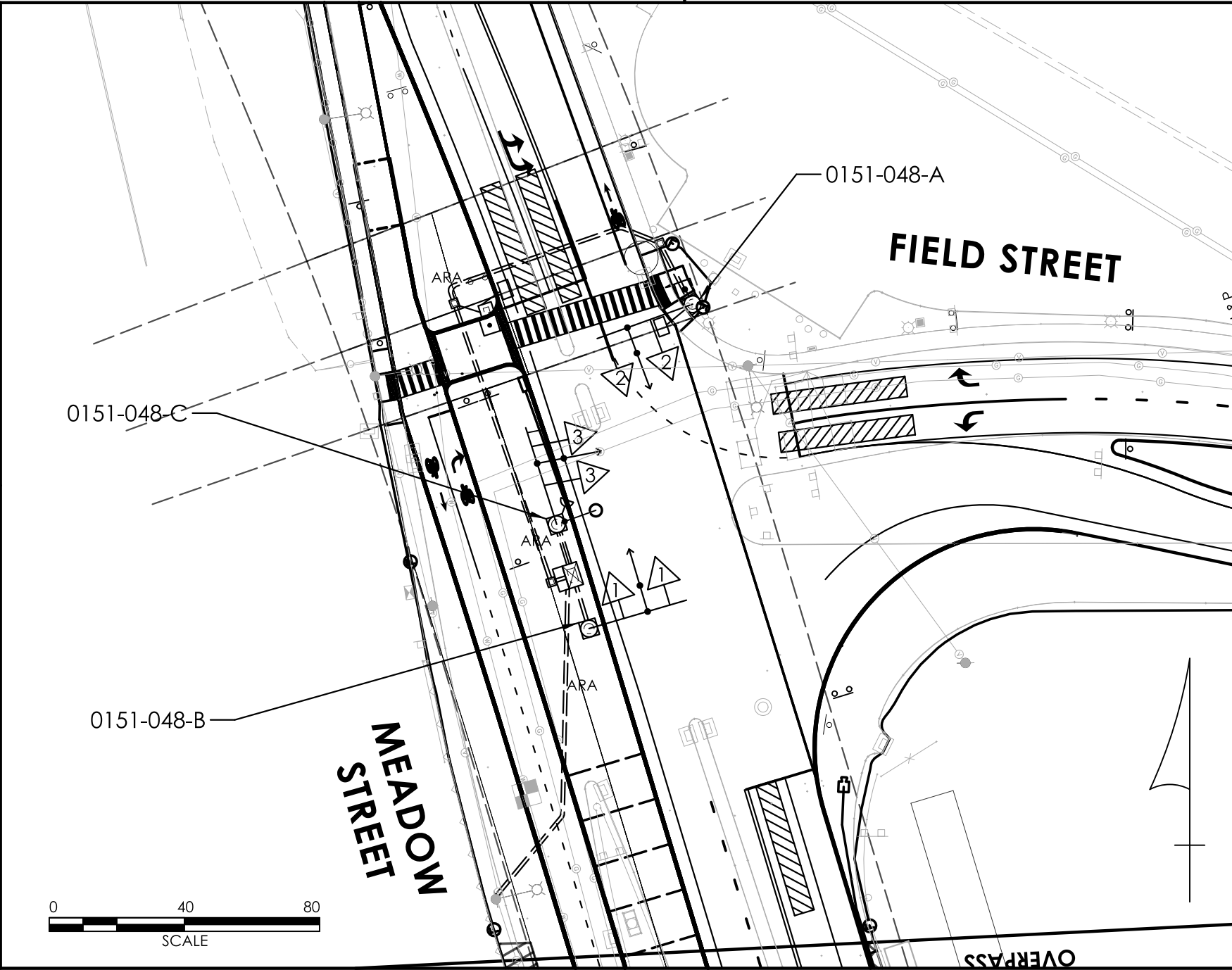
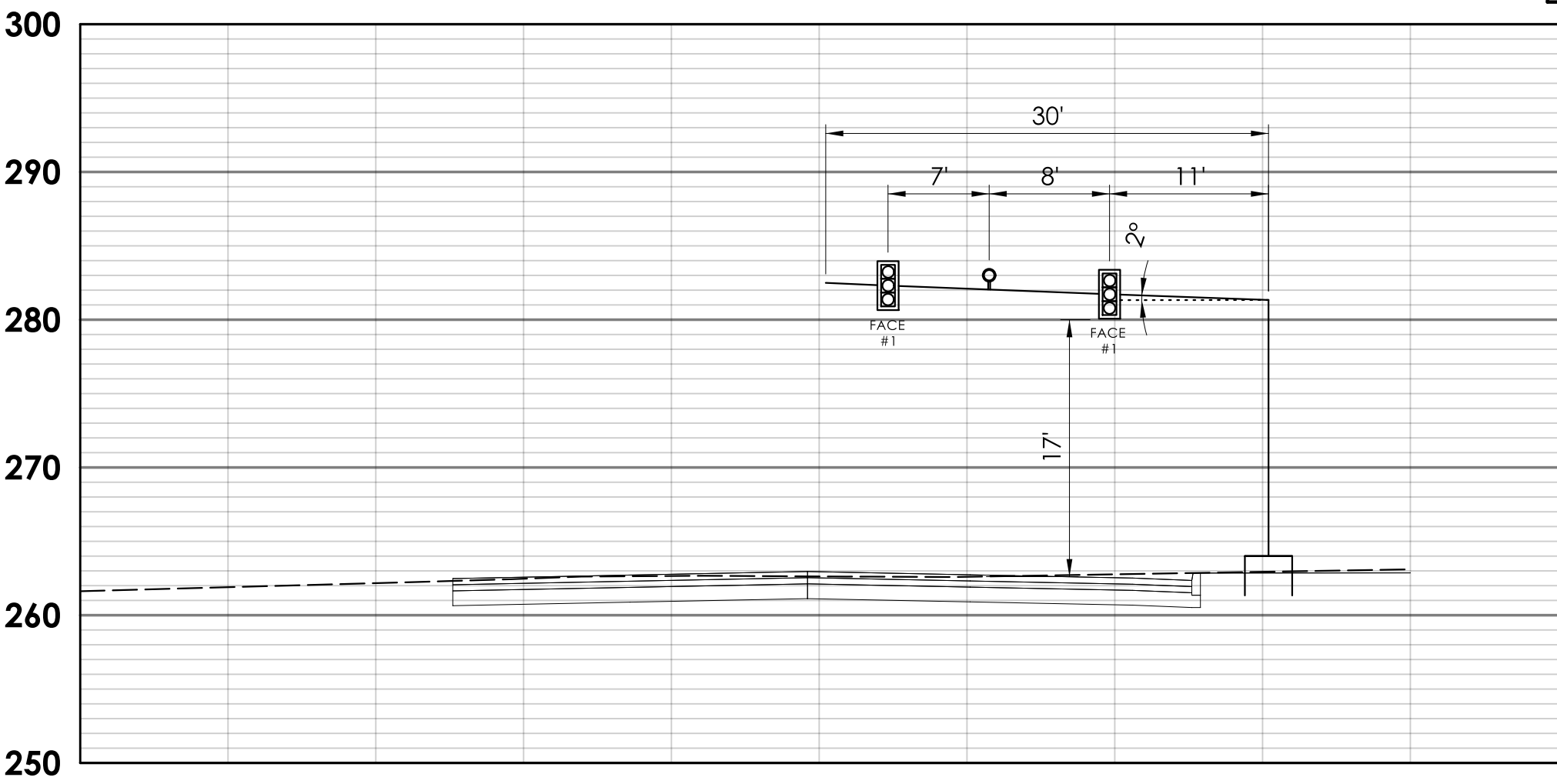
CITY INTERSECTION #048-C MAST ARM PROFILE



CITY INTERSECTION #048-A MAST ARM PROFILE



CITY INTERSECTION #048-B MAST ARM PROFILE



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS. BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

SEE TCS-04 FOR ADDITIONAL LEGEND INFORMATION.

MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	
DESIGNER/DRAFTER: S. SEPERACK	CHECKED BY: M. KURKER

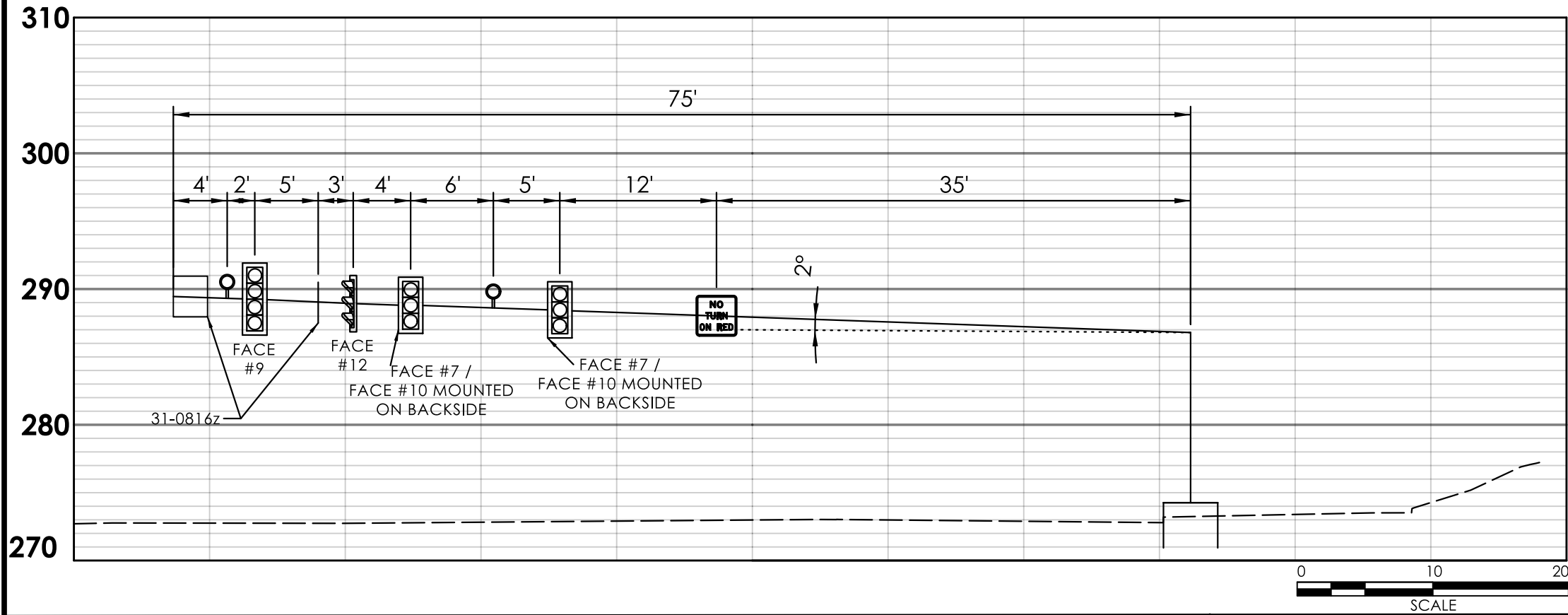


CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

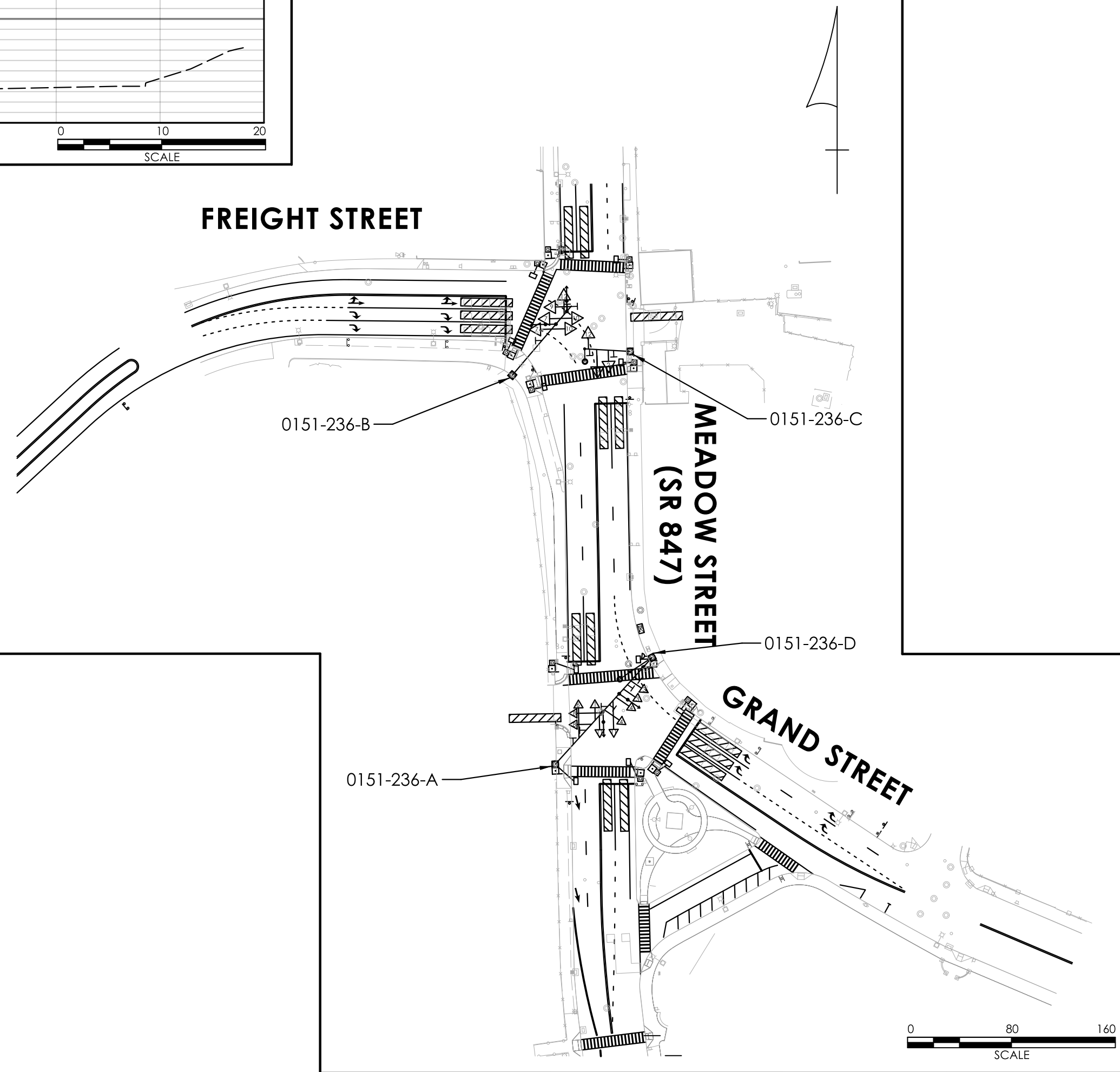
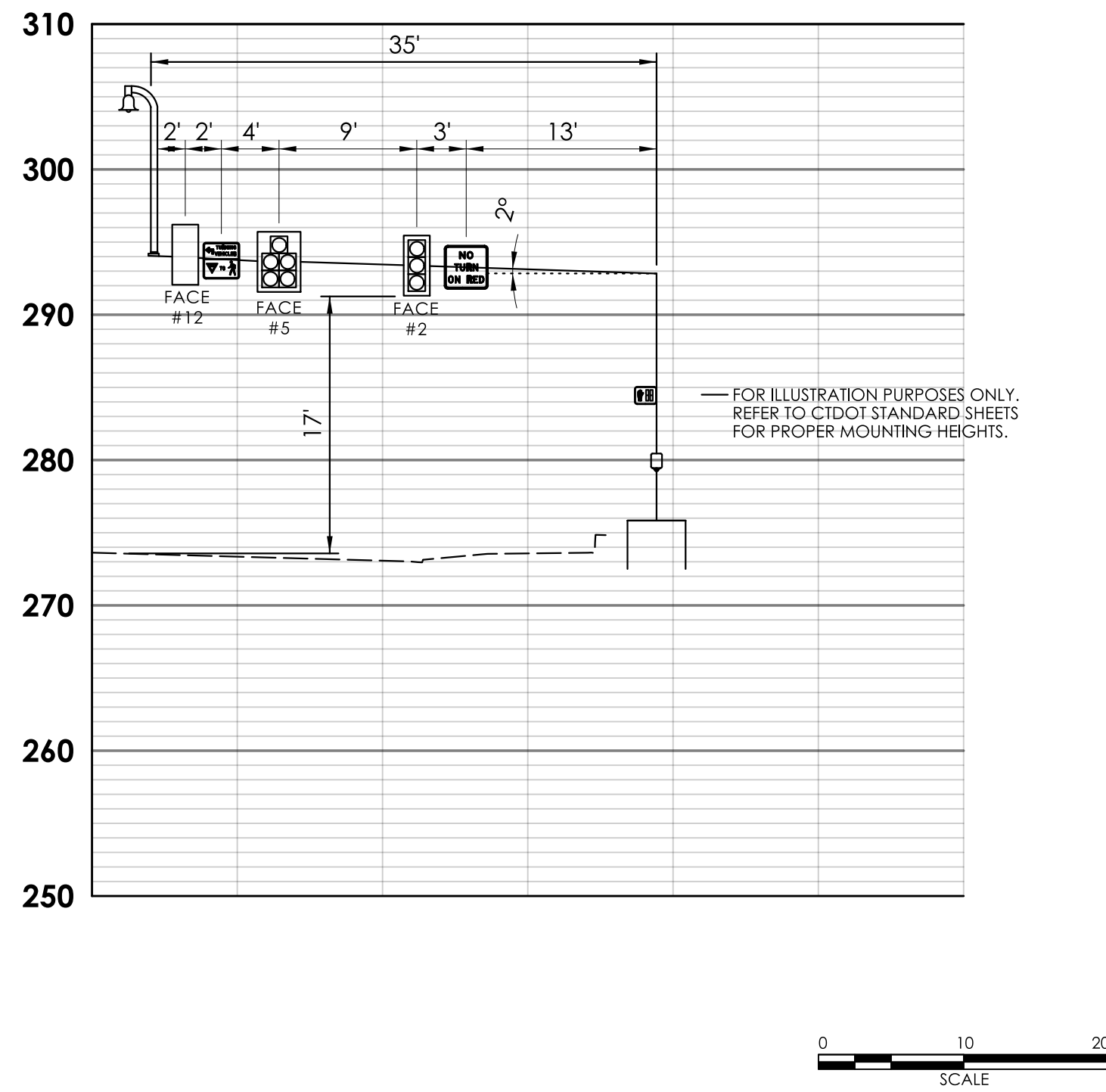
PROJECT TITLE:	TOWN(S):
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	WATERBURY

DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
MAST ARM CROSS SECTIONS - MEADOW STREET AT FIELD STREET	0151-0340	TXCS-04
		SHEET NO. 07.45

MAST ARM 0151-0236-B PROFILE VIEW



MAST ARM 0151-0236-C PROFILE VIEW



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

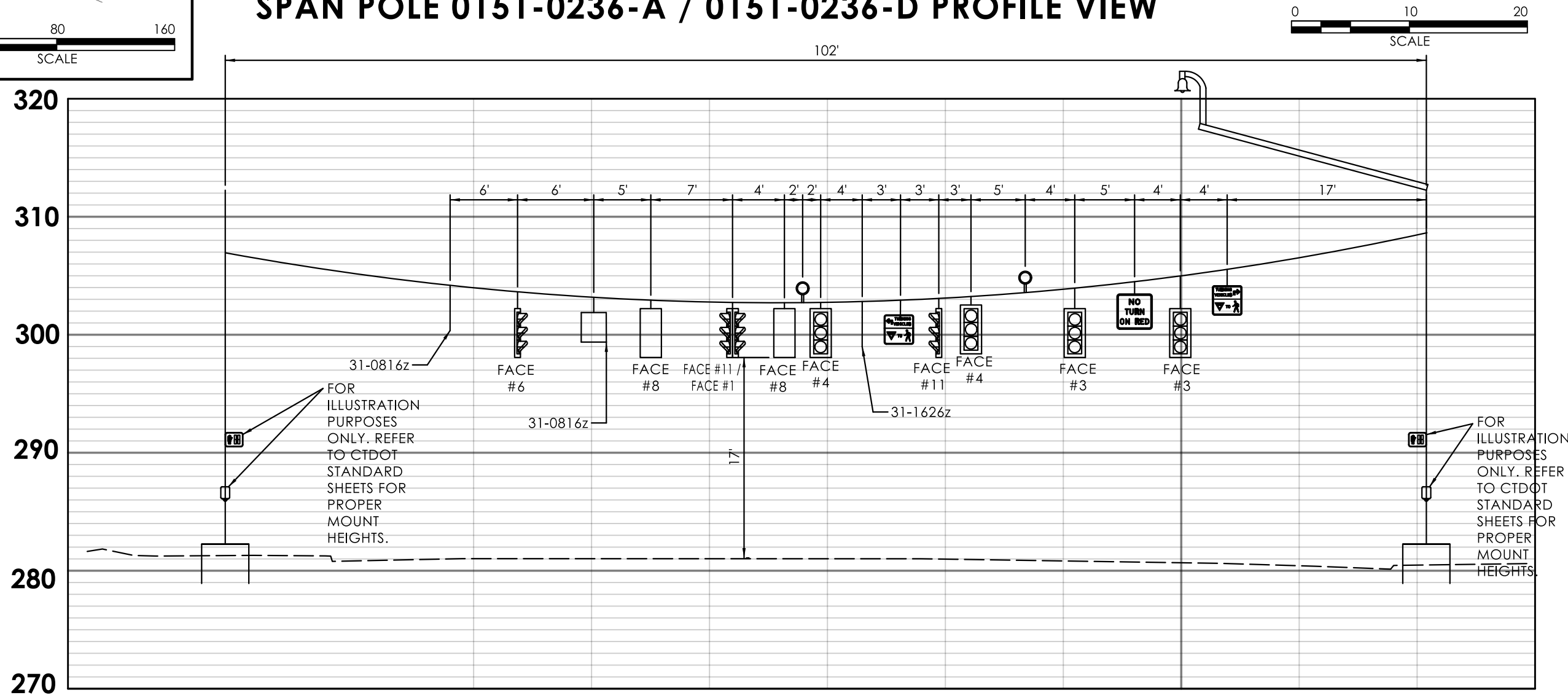
SEE TCS-05 FOR ADDITIONAL LEGEND INFORMATION.

MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

SPAN POLE 0151-0236-A / 0151-0236-D PROFILE VIEW



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

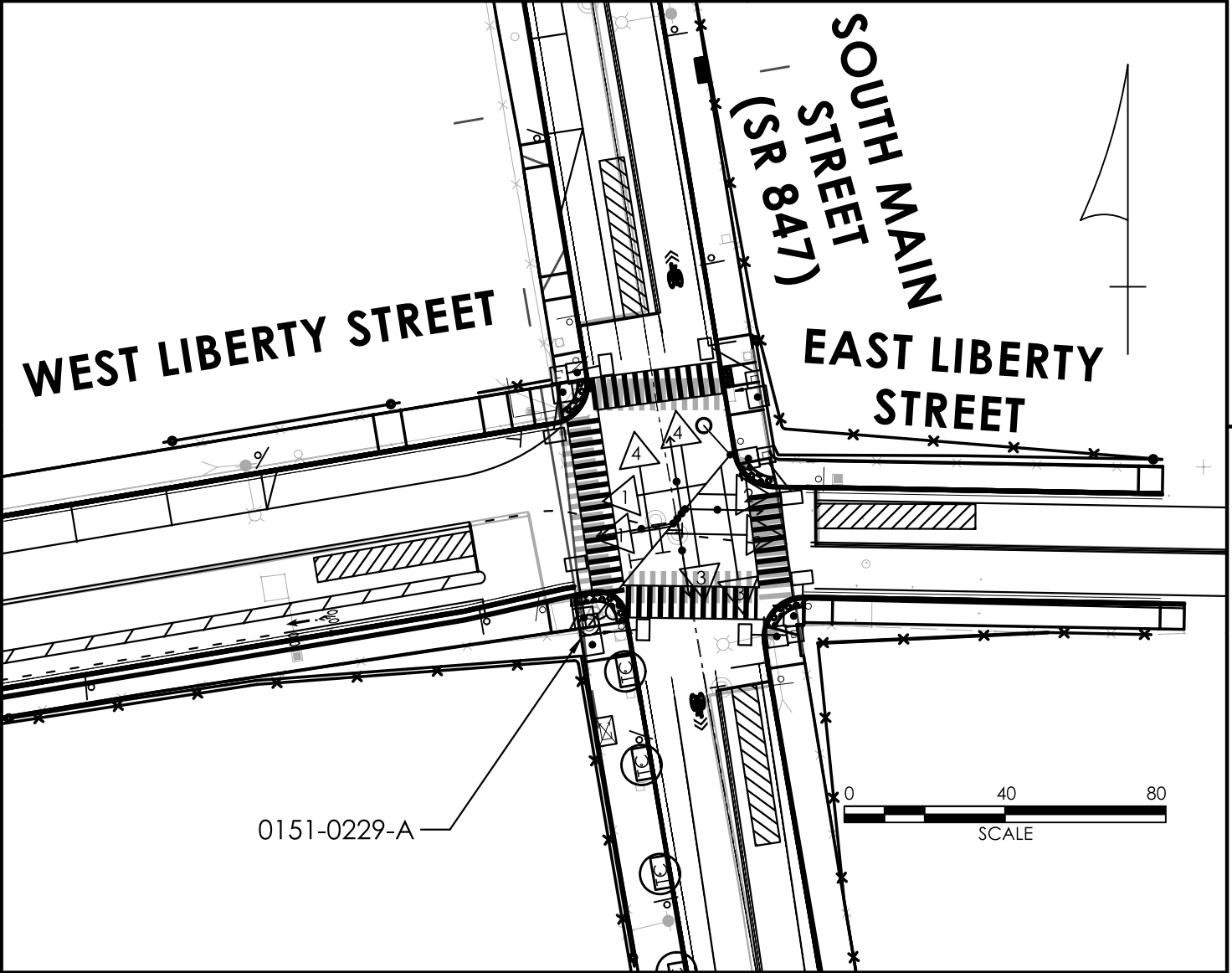
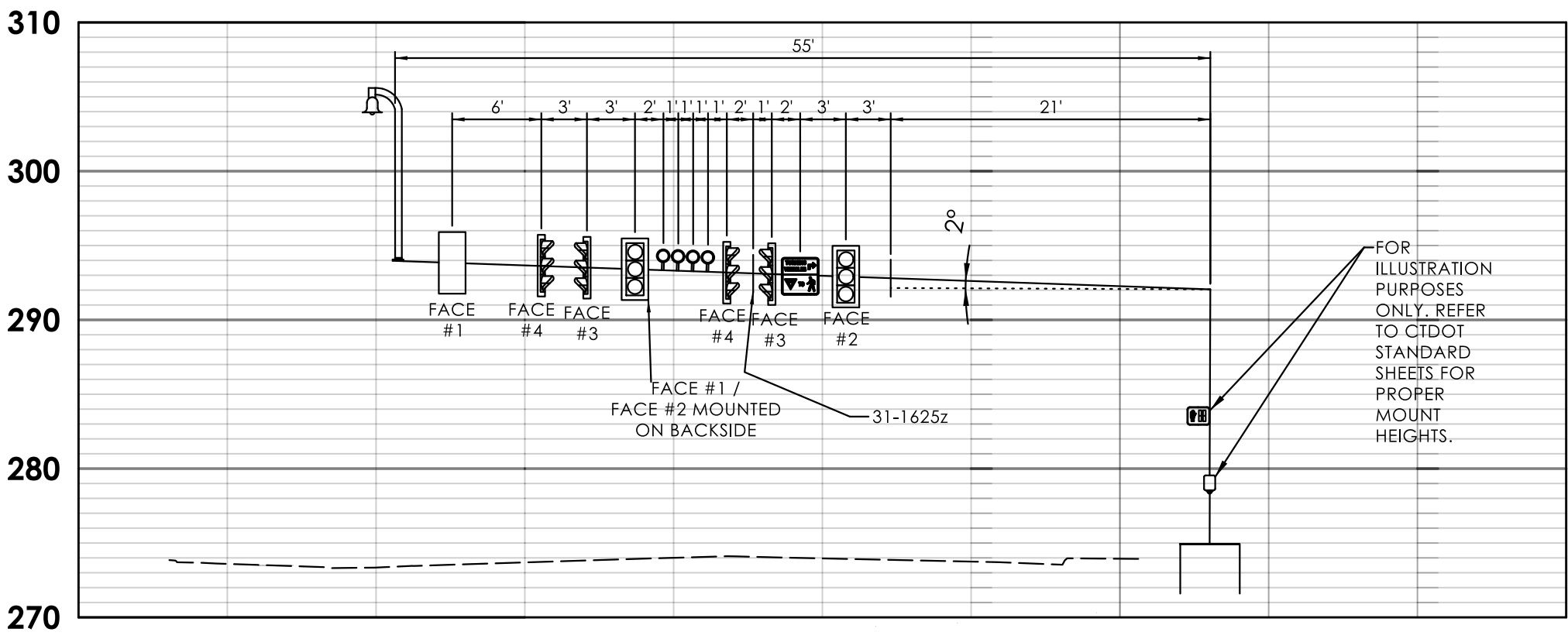
TOWN(S):
WATERBURY

DRAWING TITLE:
**MAST ARM CROSS SECTIONS - S.R. 847
(GRAND STREET/MEADOW STREET) AT
MEADOW STREET, FREIGHT STREET, AND
PRIVATE DRIVE**

PROJECT NO.:
0151-0340

DRAWING NO.:
TXCS-05
SHEET NO.:
07.46

MAST ARM 0151-0229-A PROFILE VIEW



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

NOTES

SEE TCS-06 FOR ADDITIONAL LEGEND INFORMATION.

MAST ARM PROFILE IS PERPENDICULAR TO ARM.

VIEW OF MAST ARM IS FROM SOUTHBOUND PERSPECTIVE

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT

REVISION DESCRIPTION			
REV.	DATE	DESIGNER/DRAFTER	CHECKED BY

SIGNATURE BLOCK:

DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
**MAST ARM CROSS SECTIONS - SOUTH
MAIN STREET AT WEST LIBERTY STREET
AND EAST LIBERTY STREET**

PROJECT NO.:
0151-0340

DRAWING NO.:
TXCS-06
SHEET NO.:
07.47

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	
DESIGNER/DRAFTER: S. SEPERACK	CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
MAST ARM CROSS SECTIONS - S.R. 847 (SOUTH MAIN STREET) AT SOUTH ELM STREET, EAST CLAY STREET, AND WEST CLAY STREET

PROJECT NO.:
0151-0340
DRAWING NO.:
TXCS-07
SHEET NO.:
07.48

MAST ARM /SPAN POLE NOTES

CONTRACTOR TO VERIFY ALL MAST ARM AND SPAN
POLE INFORMATION INCLUDING CROSS SECTIONS AND
DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO
SUBMISSION OF WORKING DRAWINGS

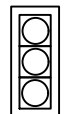
NOTES

SEE TCS-07 FOR ADDITIONAL LEGEND INFORMATION.

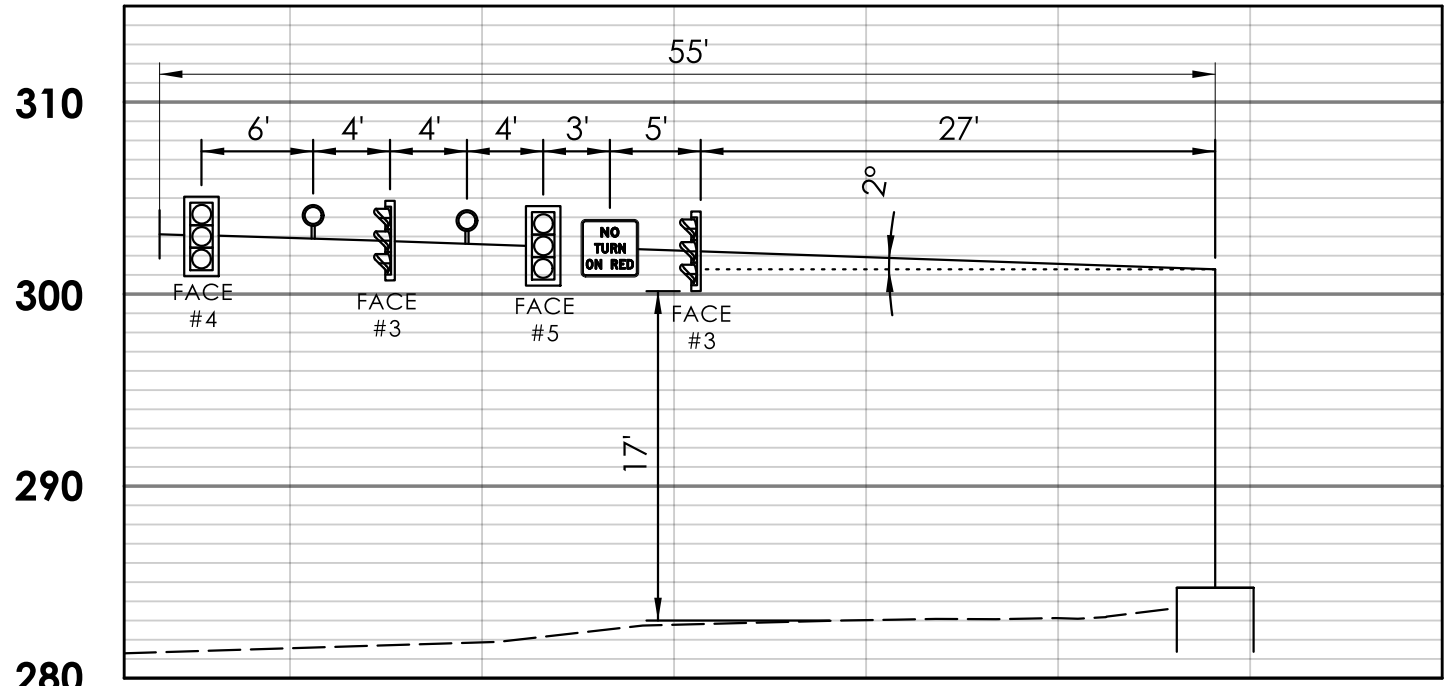
MAST ARM PROFILE IS PERPENDICULAR TO ARM.

MAST ARM 0151-0212-B PROFILE VIEW FROM SOUTH ELM
STREET SOUTHBOUND PERSPECTIVE.

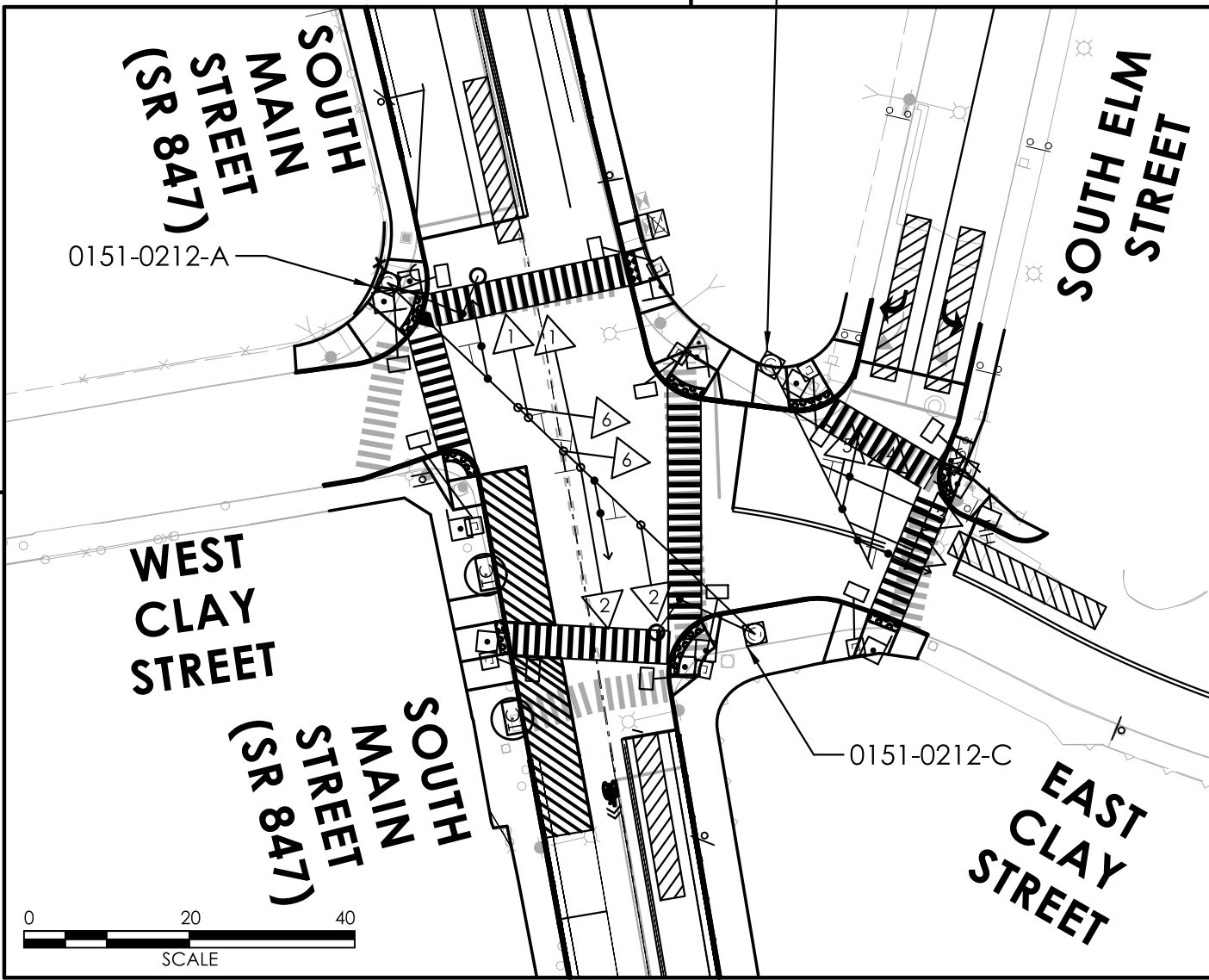
LEGEND

-  TRAFFIC SIGNAL FACE
-  360 VIDEO DETECTOR
-  EMERGENCY PRE-EMPTION DETECTOR
-  PEDESTRIAN SIGNAL EQUIPMENT

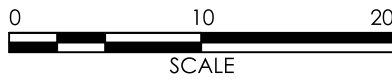
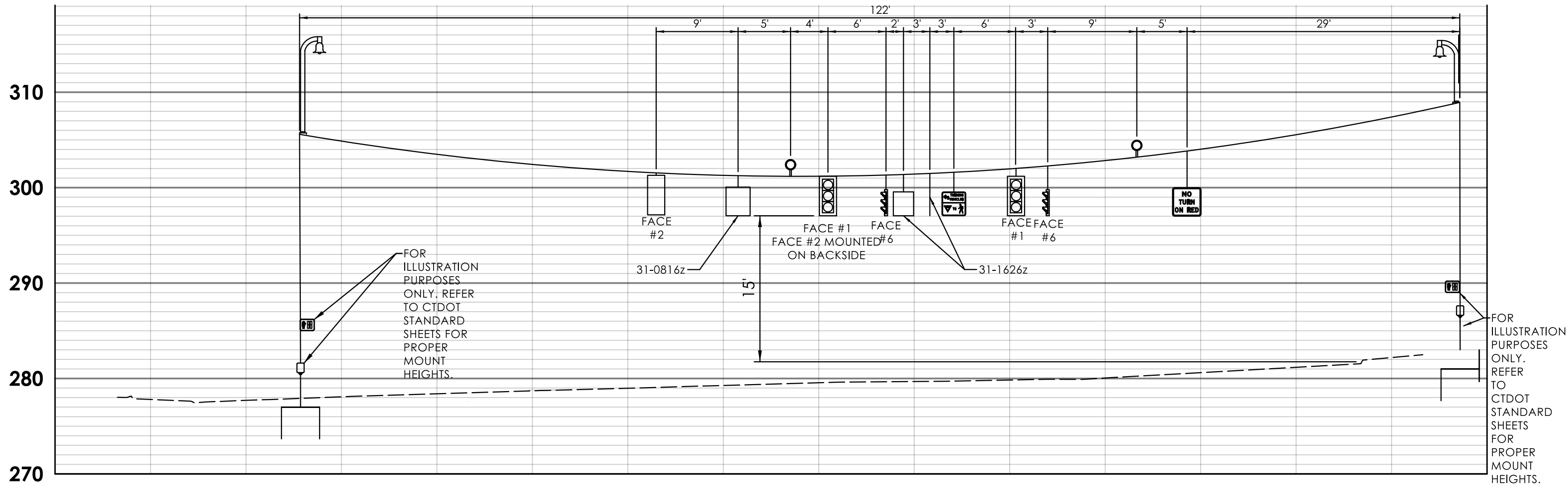
MAST ARM 0151-0212-B PROFILE VIEW



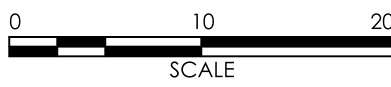
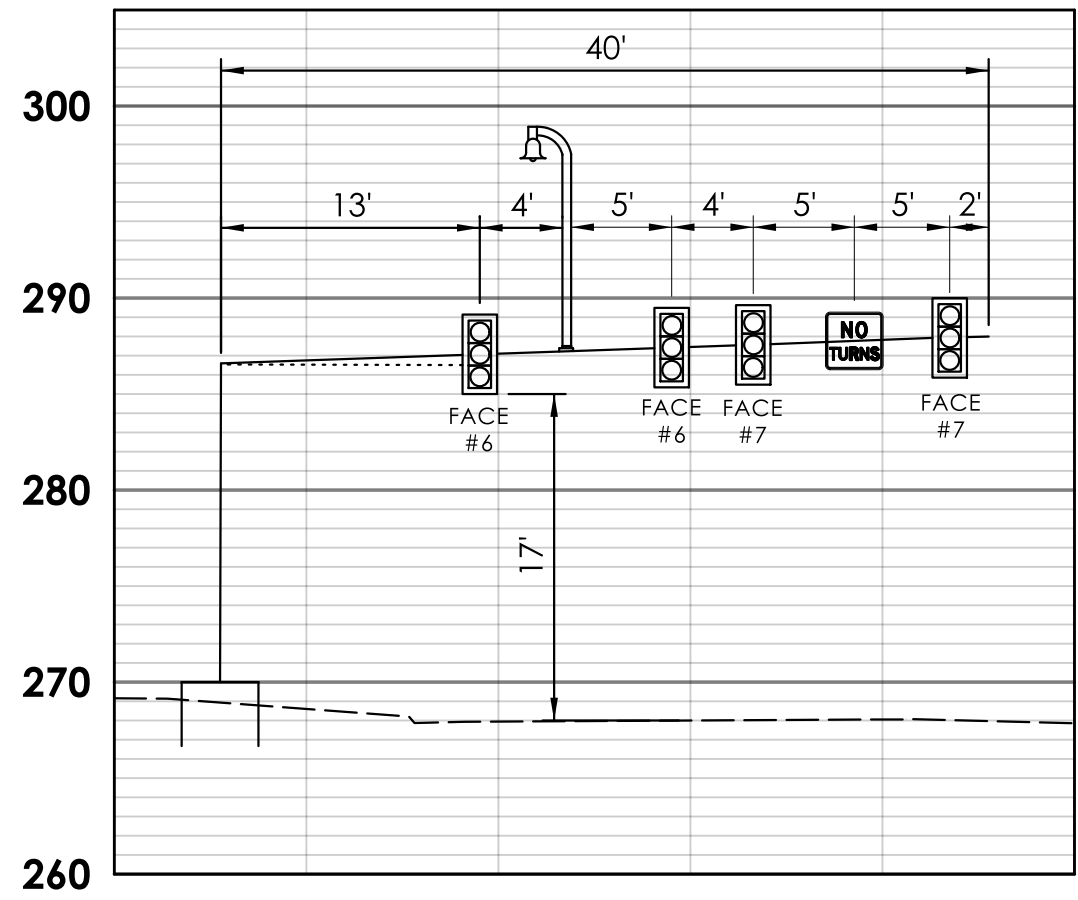
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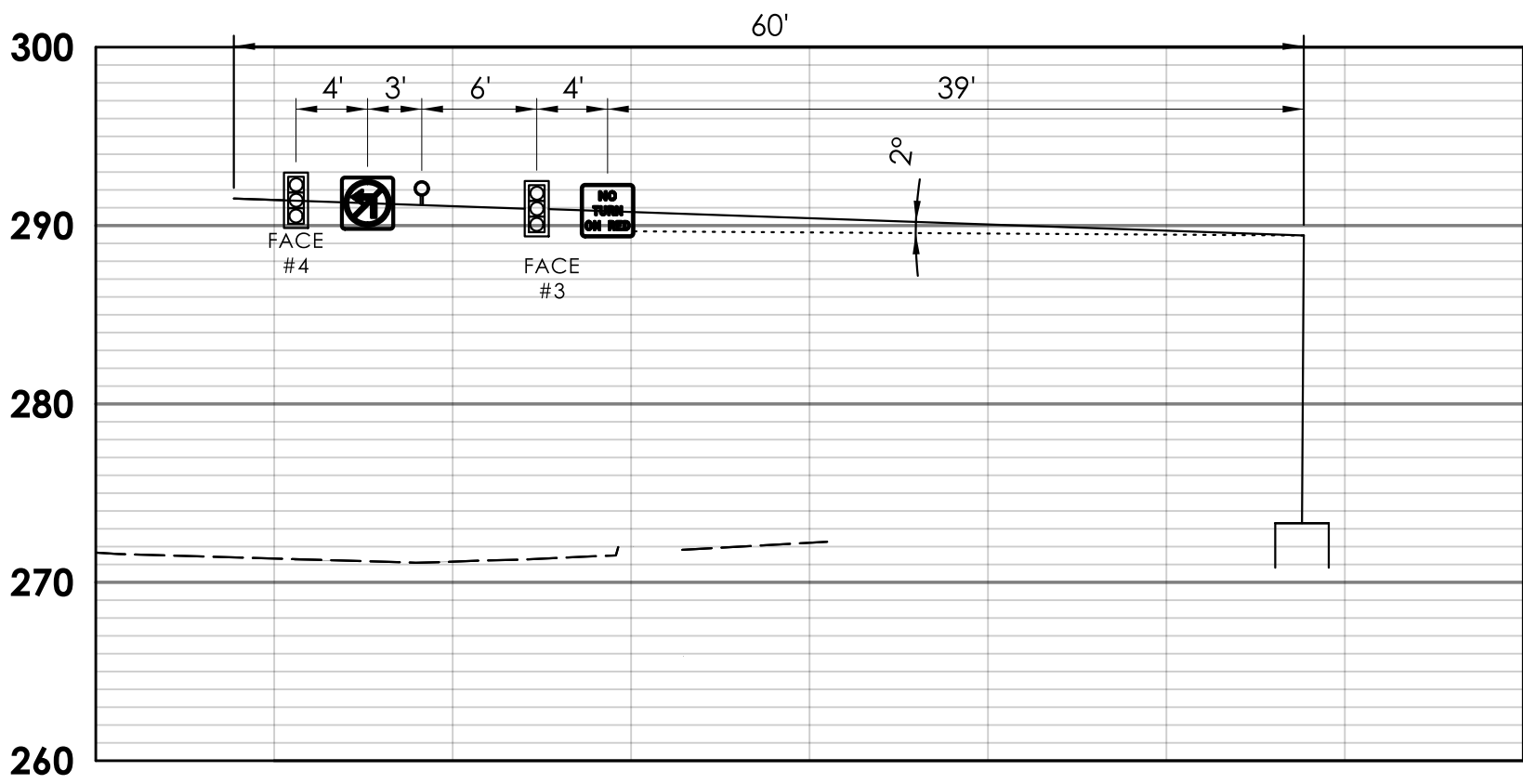
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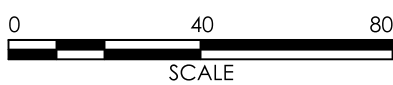
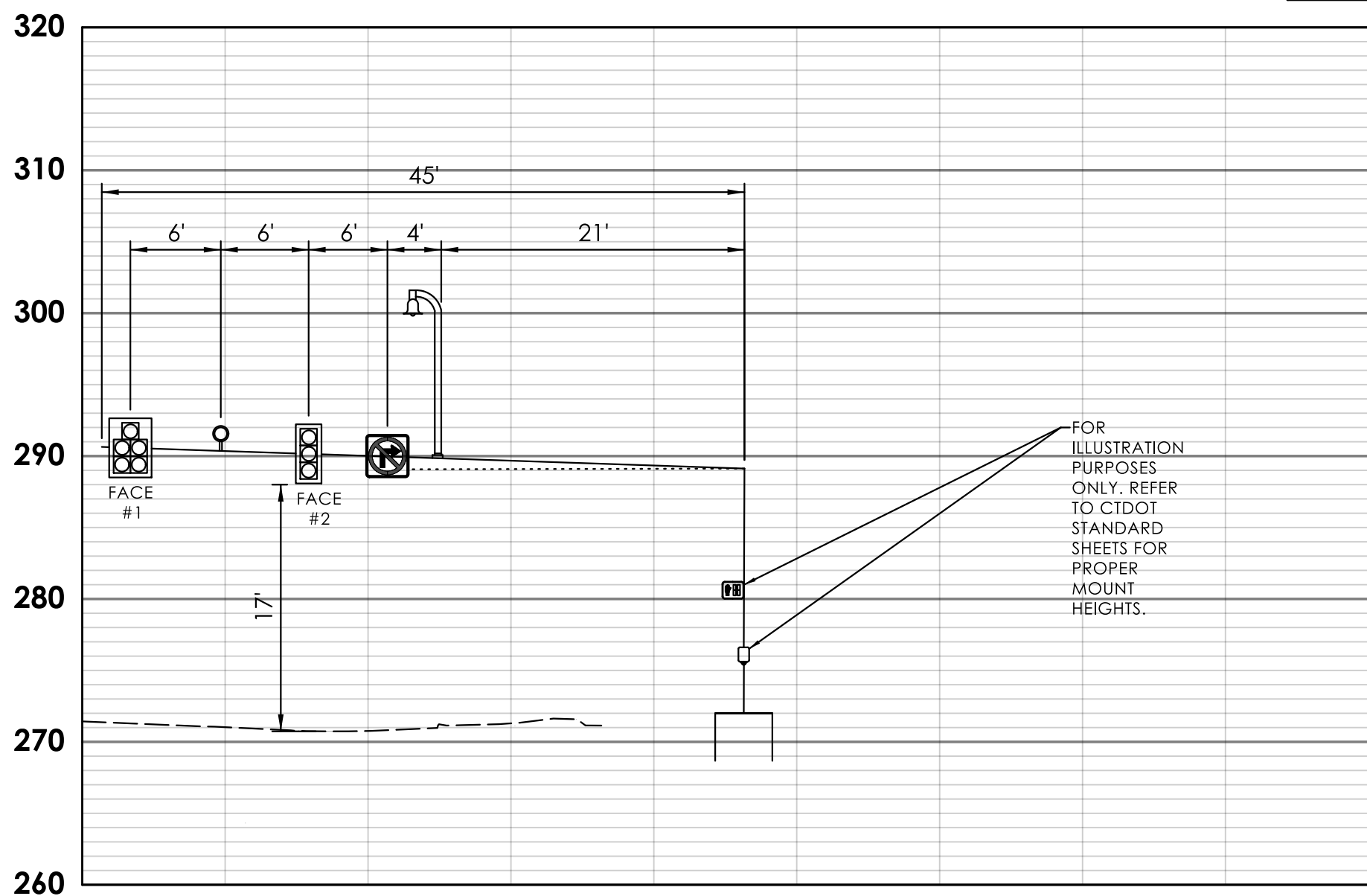
MAST ARM 0151-0256-D PROFILE VIEW



MAST ARM 0151-0256-A PROFILE VIEW



MAST ARM 0151-0256-C PROFILE VIEW



MAST ARM NOTES

CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS

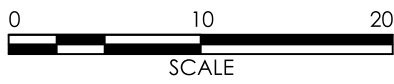
NOTES

SEE TCS-08 FOR ADDITIONAL LEGEND INFORMATION.

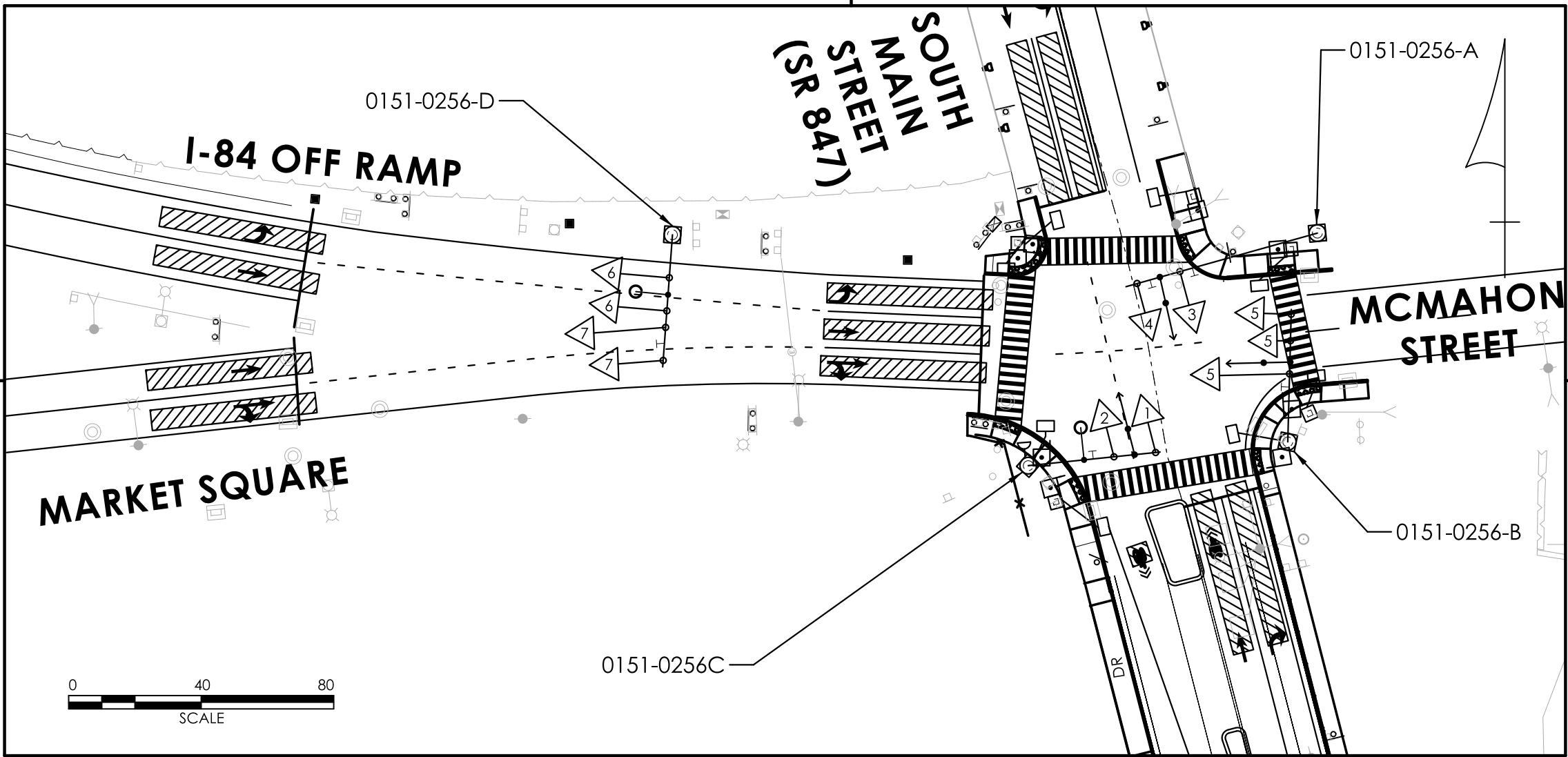
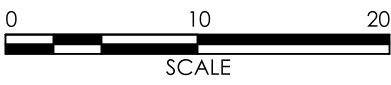
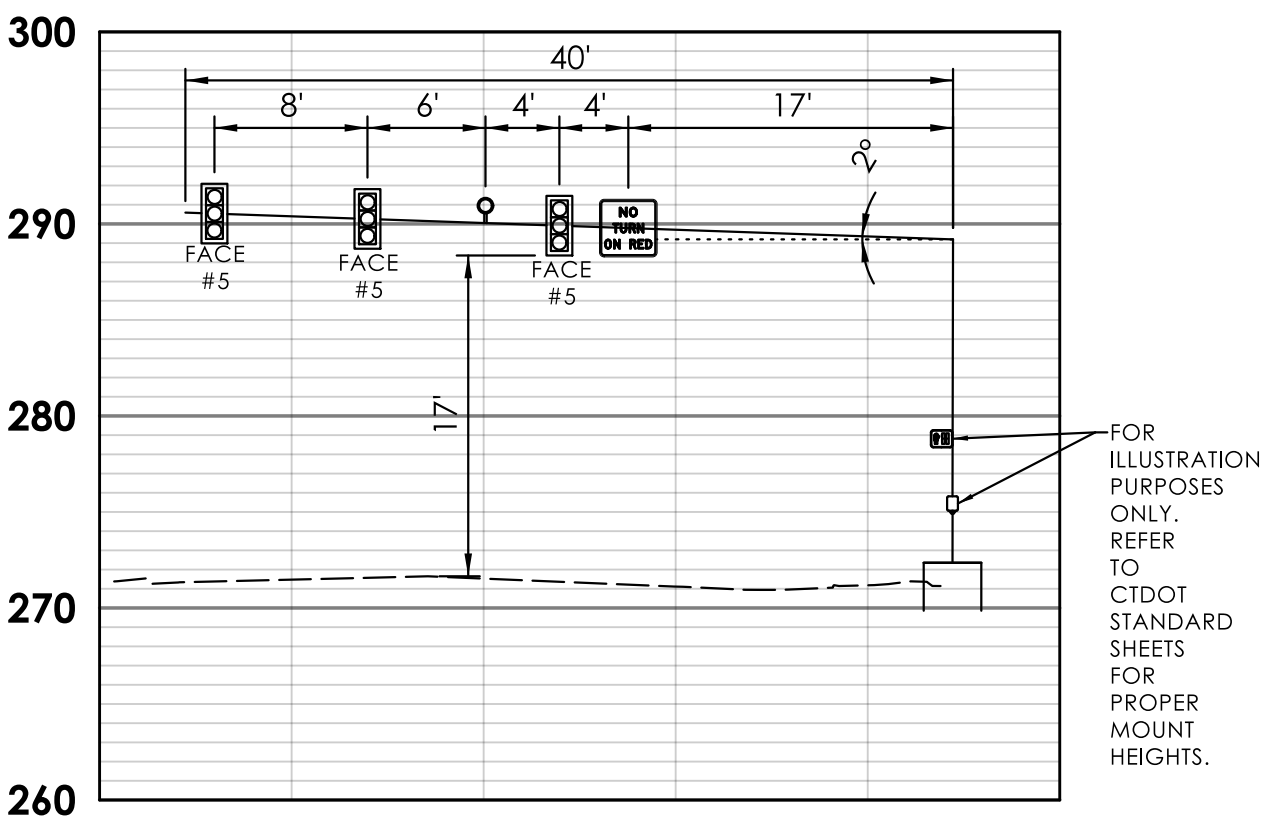
MAST ARM PROFILE IS PERPENDICULAR TO ARM.

LEGEND

- TRAFFIC SIGNAL FACE
- 360 VIDEO DETECTOR
- EMERGENCY PRE-EMPTION DETECTOR
- PEDESTRIAN SIGNAL EQUIPMENT



MAST ARM 0151-256-B PROFILE VIEW



REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:
DESIGNER/DRAFTER: S. SEPERACK
CHECKED BY: M. KURKER



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

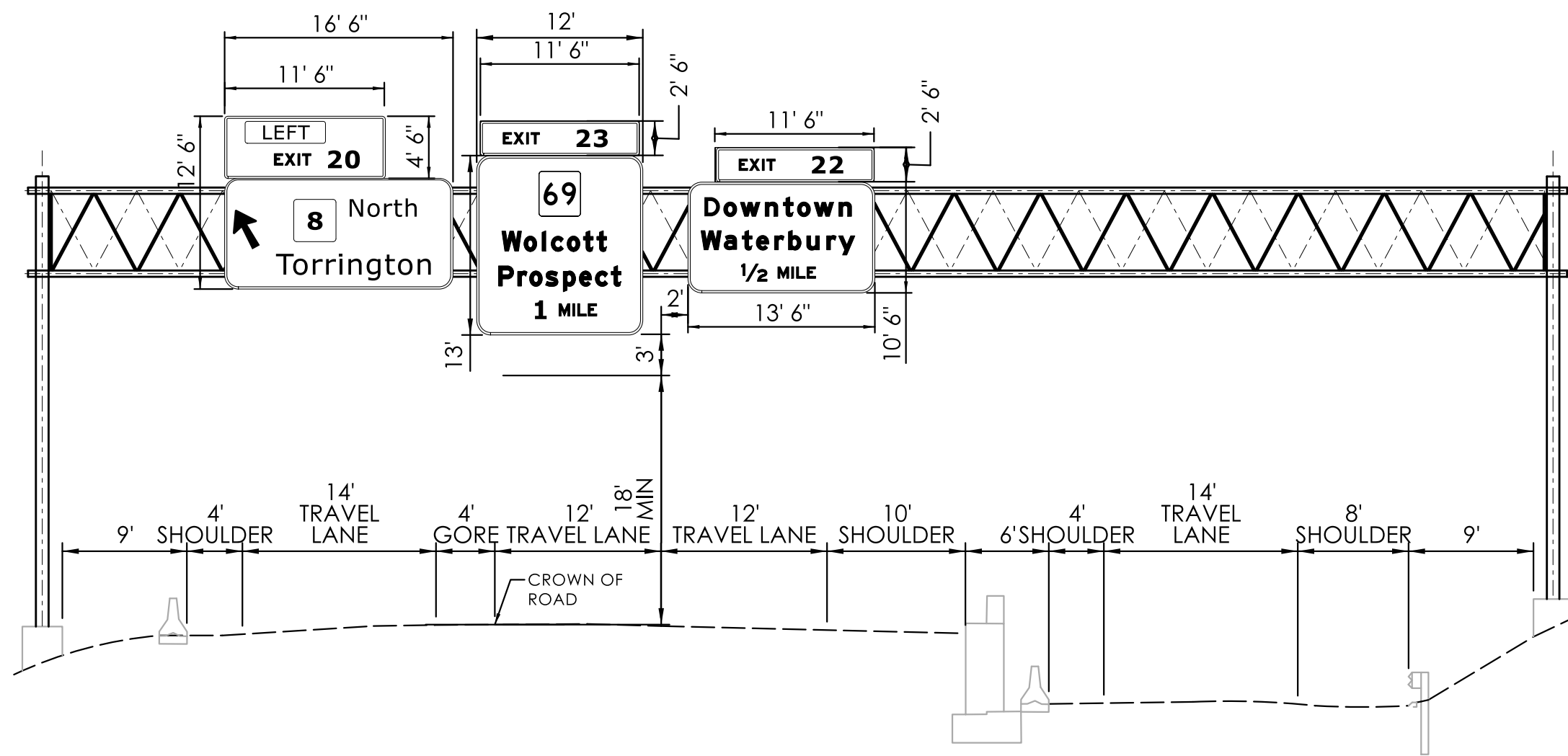
PROJECT TITLE:
REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):
WATERBURY

DRAWING TITLE:
MAST ARM CROSS SECTIONS - SOUTH MAIN STREET AT I-84 EB EXIT 22 OFF-RAMP, MARKET SQUARE, AND MCMAHON STREET

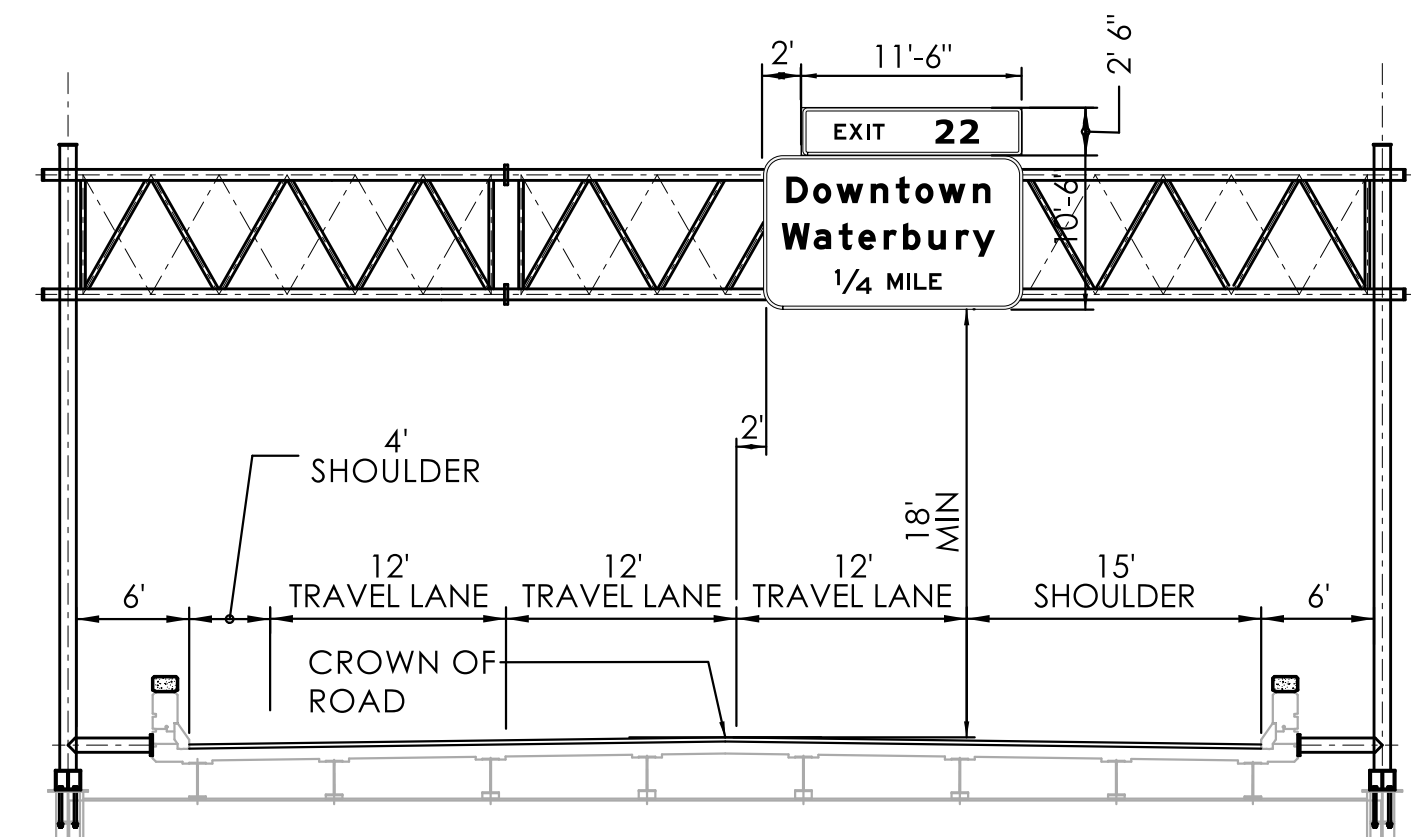
PROJECT NO.:
0151-0340

DRAWING NO.:
TXCS-08
SHEET NO.:
07.49



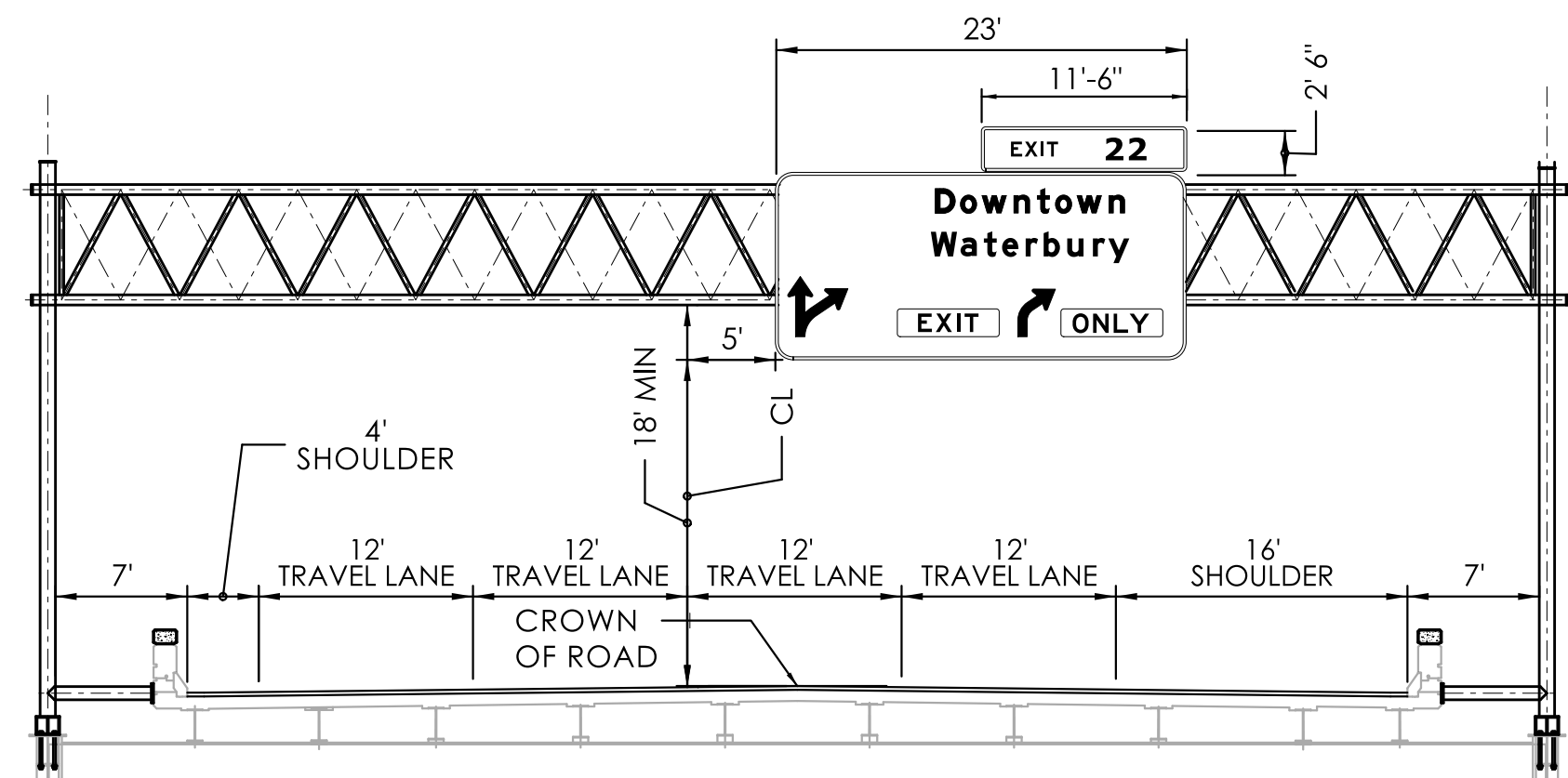
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SIGN SUPPORT NO.	20416		

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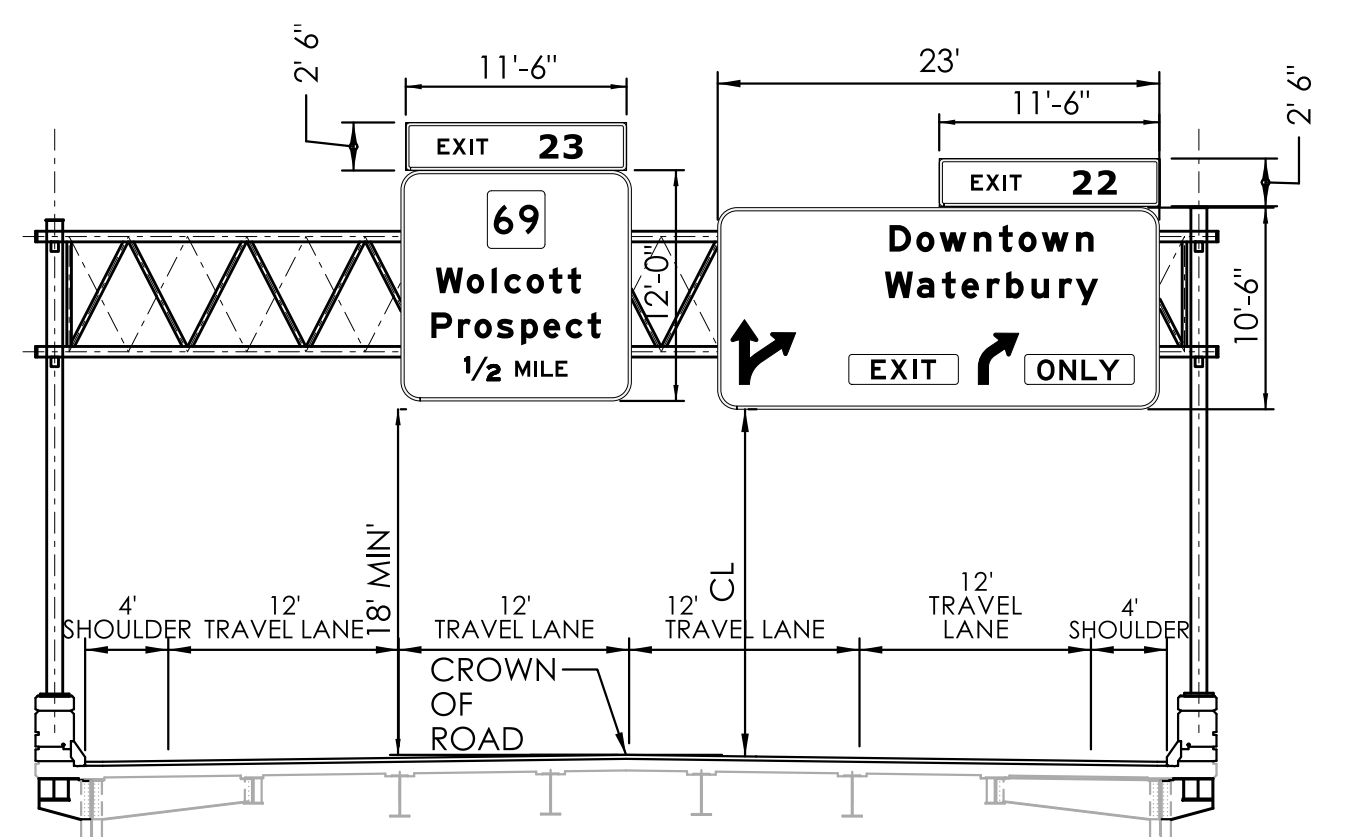
084E-151-32.30	A
SIGN SUPPORT NO.	20417

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STATION 1176+05



084E-151-32.44	A
SIGN SUPPORT NO.	20418

REPLACE EXISTING SIGN PANEL "A"
WITH PROPOSED SIGN PANEL SHOWN.
STATION 1183+22



084E-151-32.58	A	B
SIGN SUPPORT NO.	20419	

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STATION 1190+36

GENERAL NOTES:

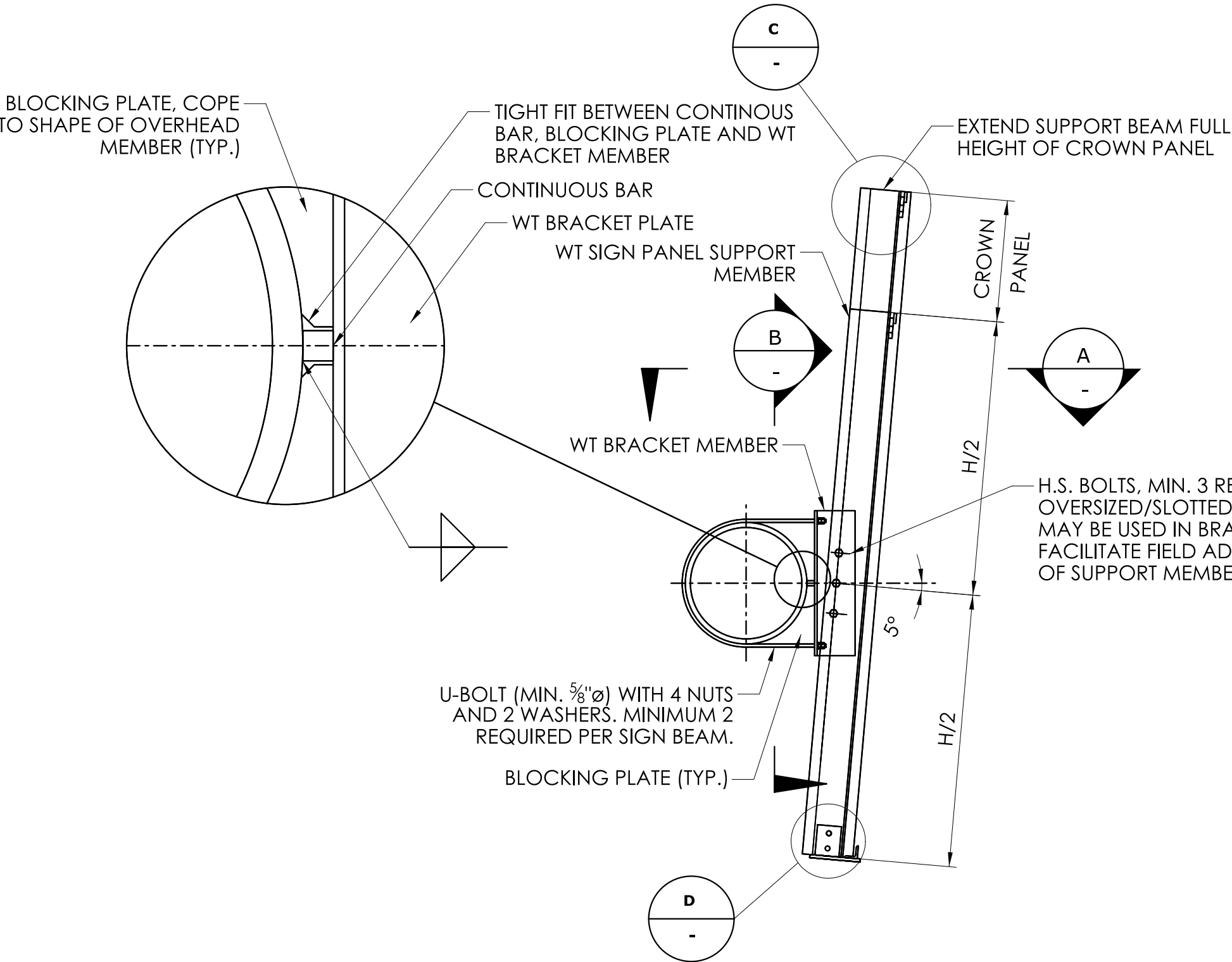
- SEE SPM-01 TO SPM-10 SIGNING AND PAVEMENT MARKING PLANS.
- THIS SHEET IS USED TO SHOW THE LOCATION OF SIGN SUPPORT FOUNDATIONS RELATIVE TO THE EDGE OF THE ROAD AND THE LOCATION OF SIGNS RELATIVE TO THE ROADWAY LANES AND CROSS SLOPE.
- ALL INFORMATION ON THIS SHEET IS APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL INFORMATION PRIOR TO ORDERING SIGN SUPPORT STRUCTURES
- BOTTOM OF SIGN TO BE A MIN. OF 18'-0" FROM HIGH POINT OF ROADWAY.
- REFER TO SPECIAL PROVISION FOR ITEM #1207041A - EXTRUDED ALUMINUM (TYPE XI RETROREFLECTIVE SHEETING) FOR SIGN DETAILS AND DIMENSIONS.

REV.	DATE	REVISION DESCRIPTION

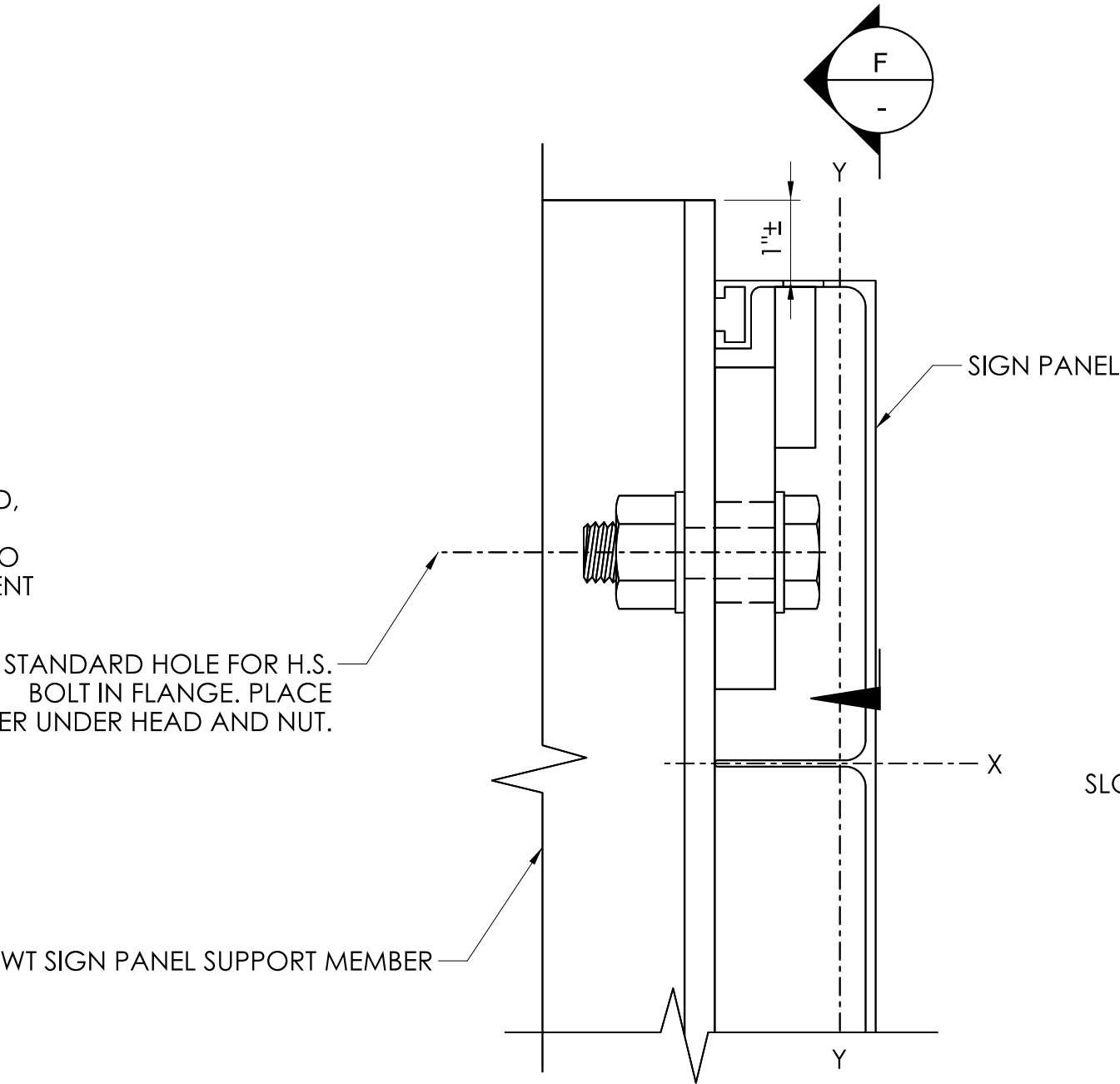
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VERTICAL ATTACHMENT MEMBER NOTE

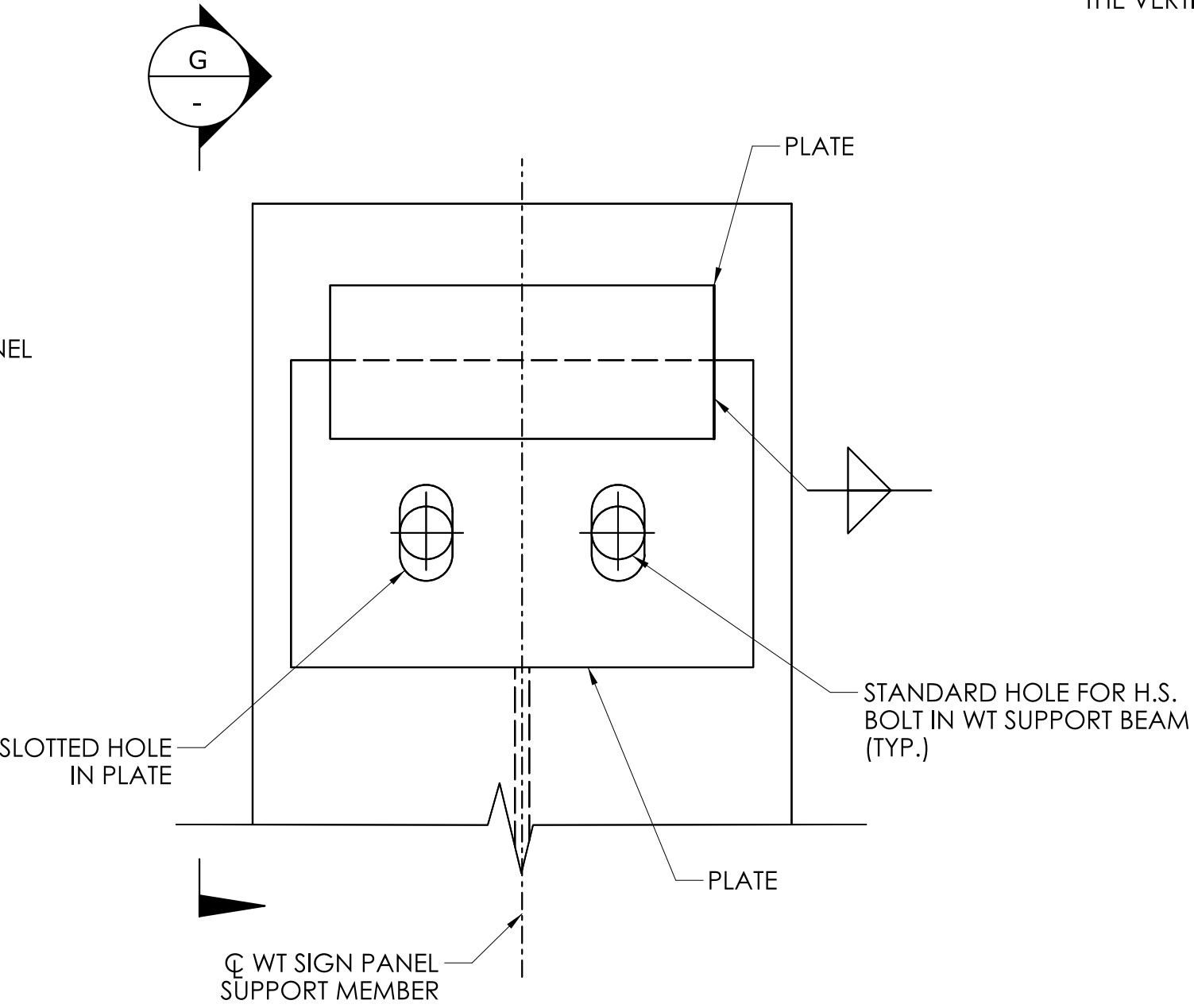
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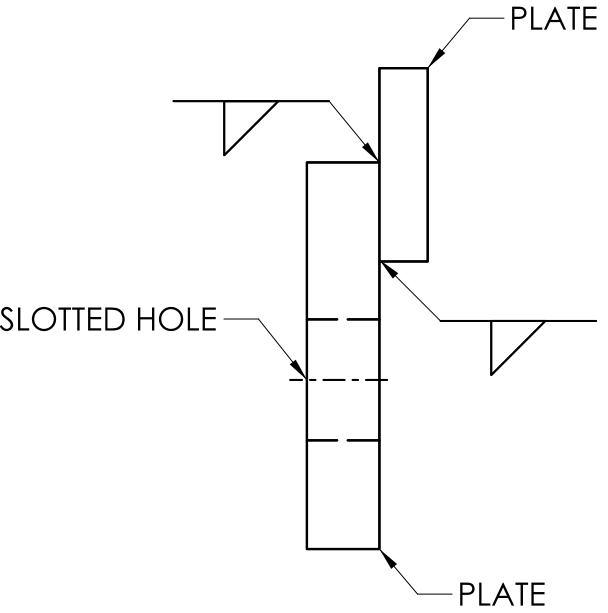
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SCALE: NOT TO SCALE



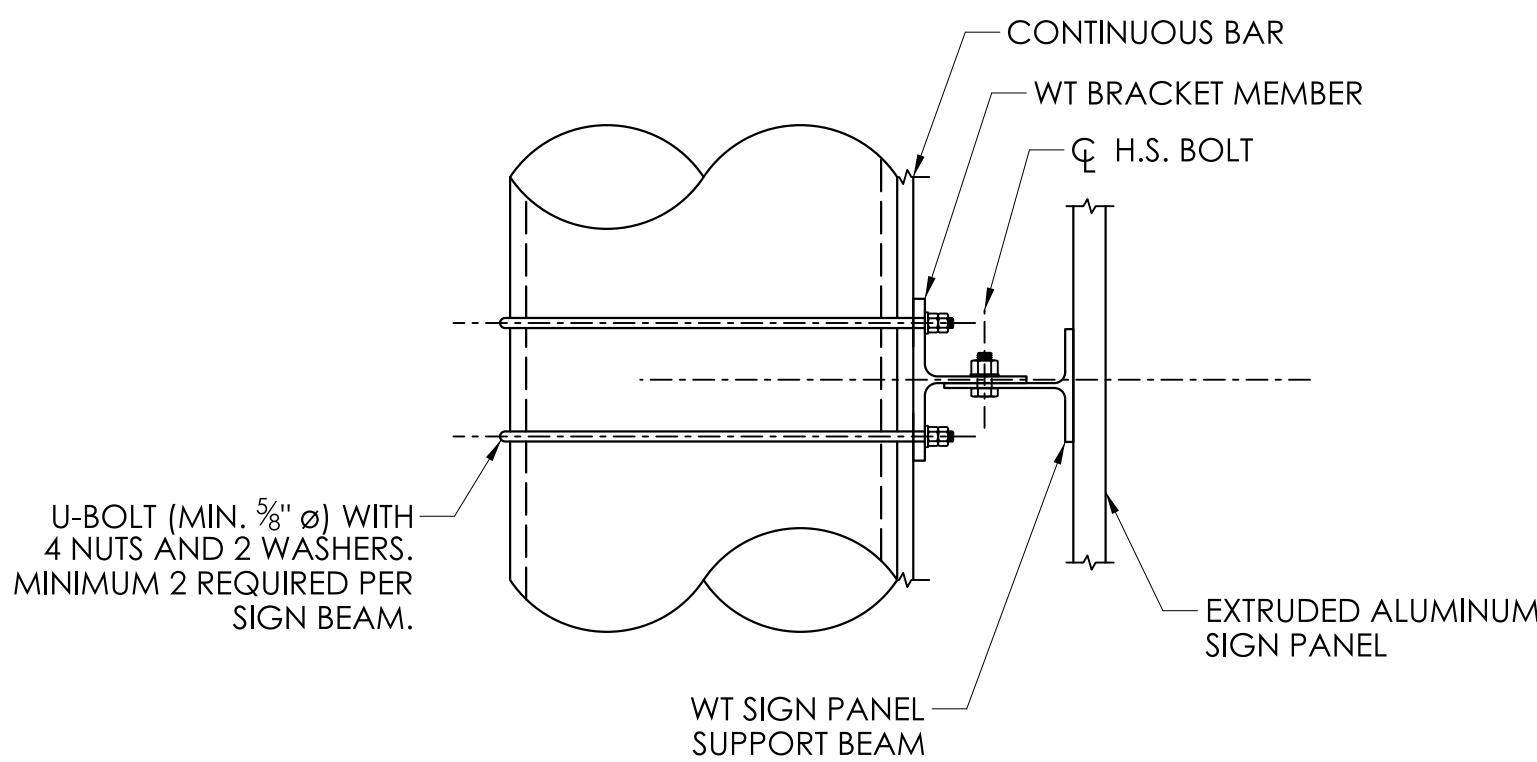
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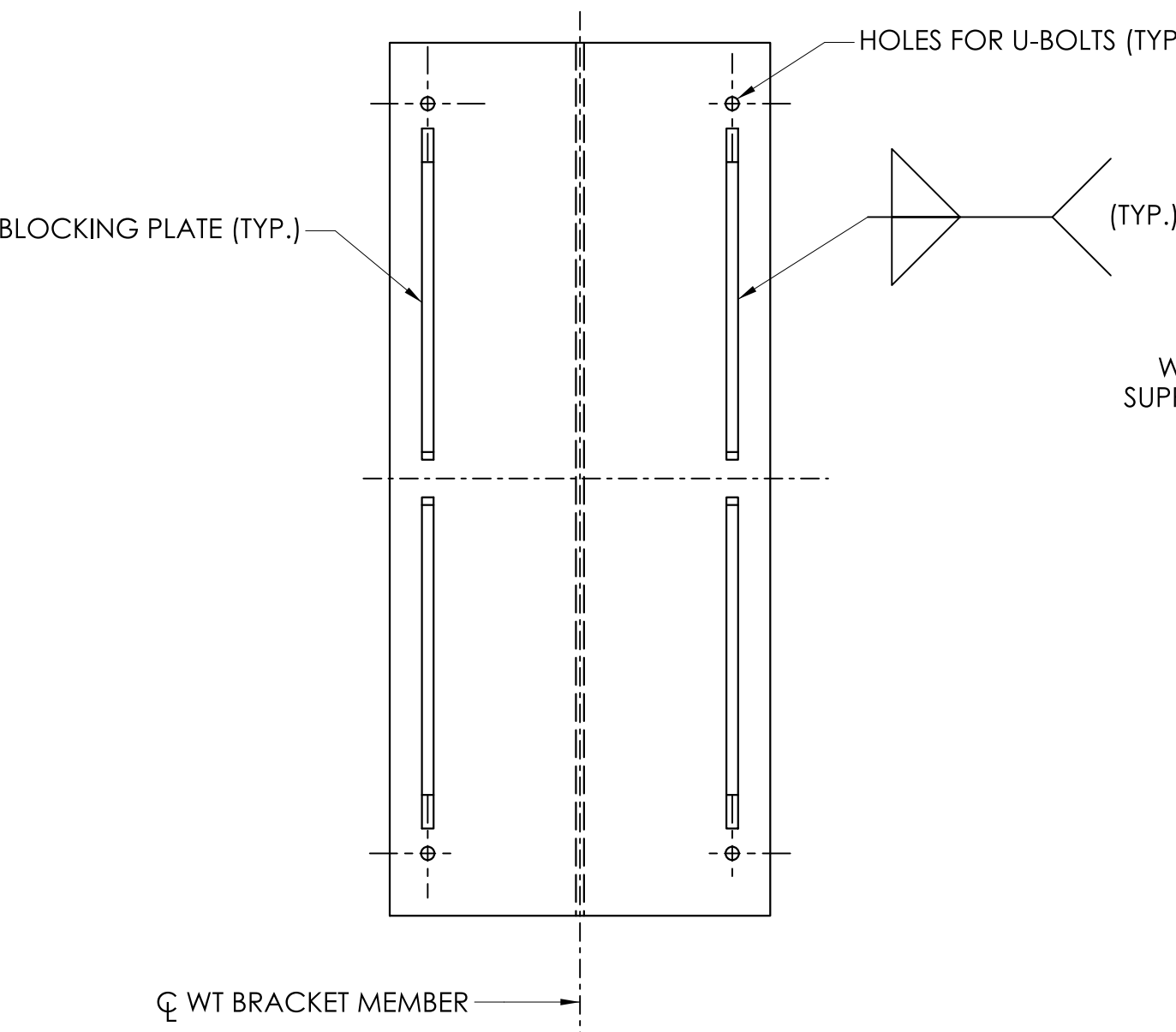
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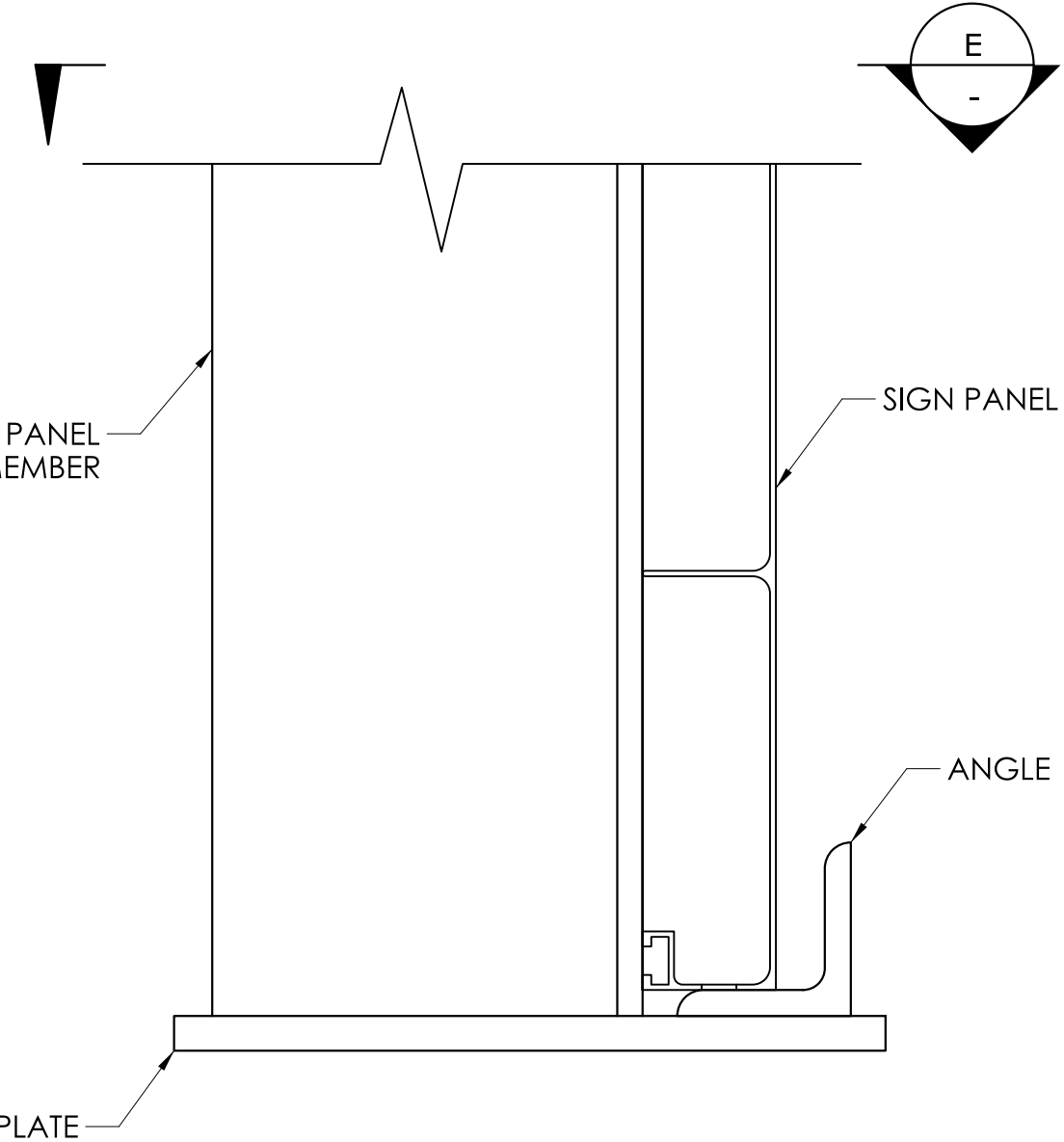
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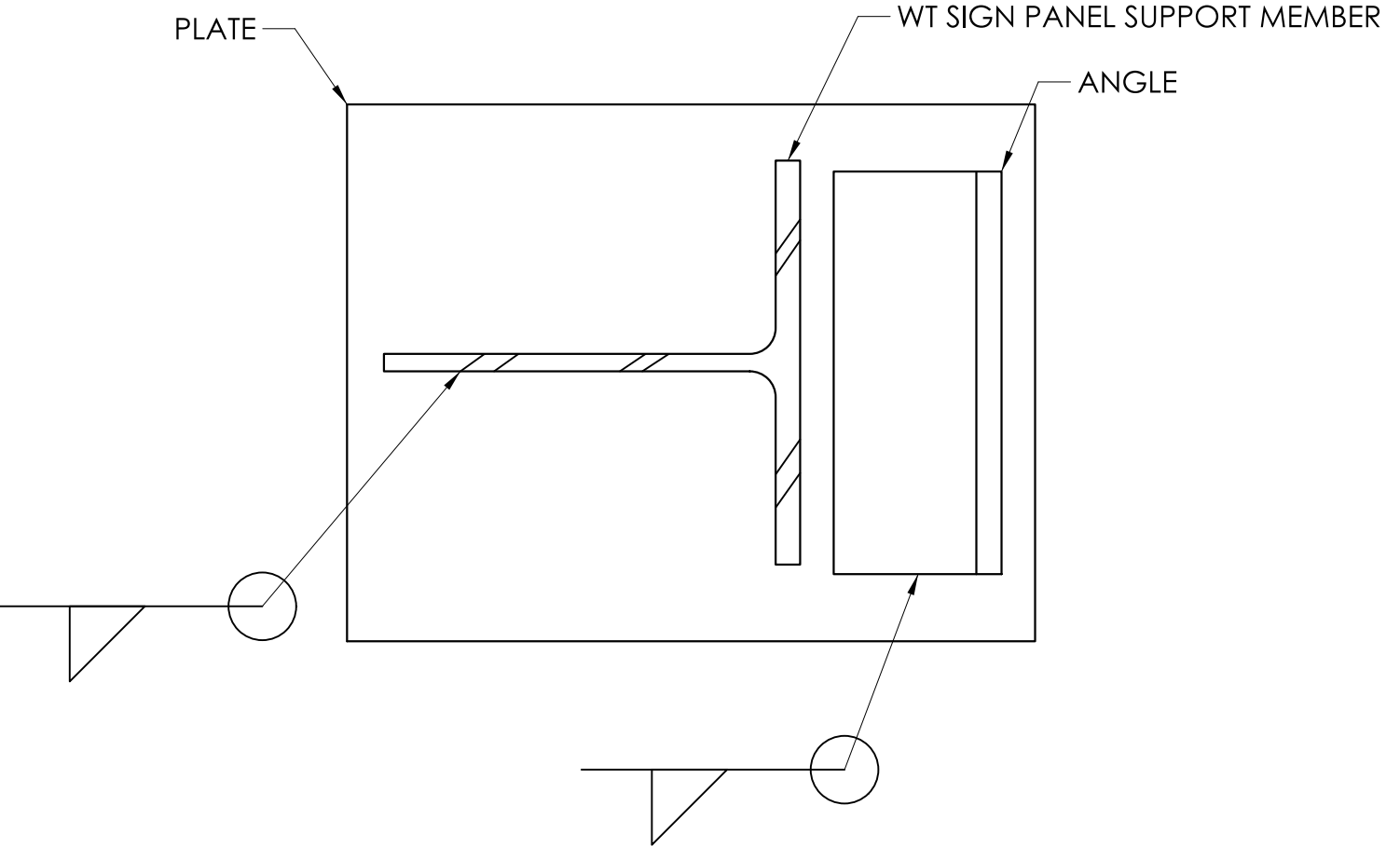
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SECTION
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DETAIL
NOT TO SCALE
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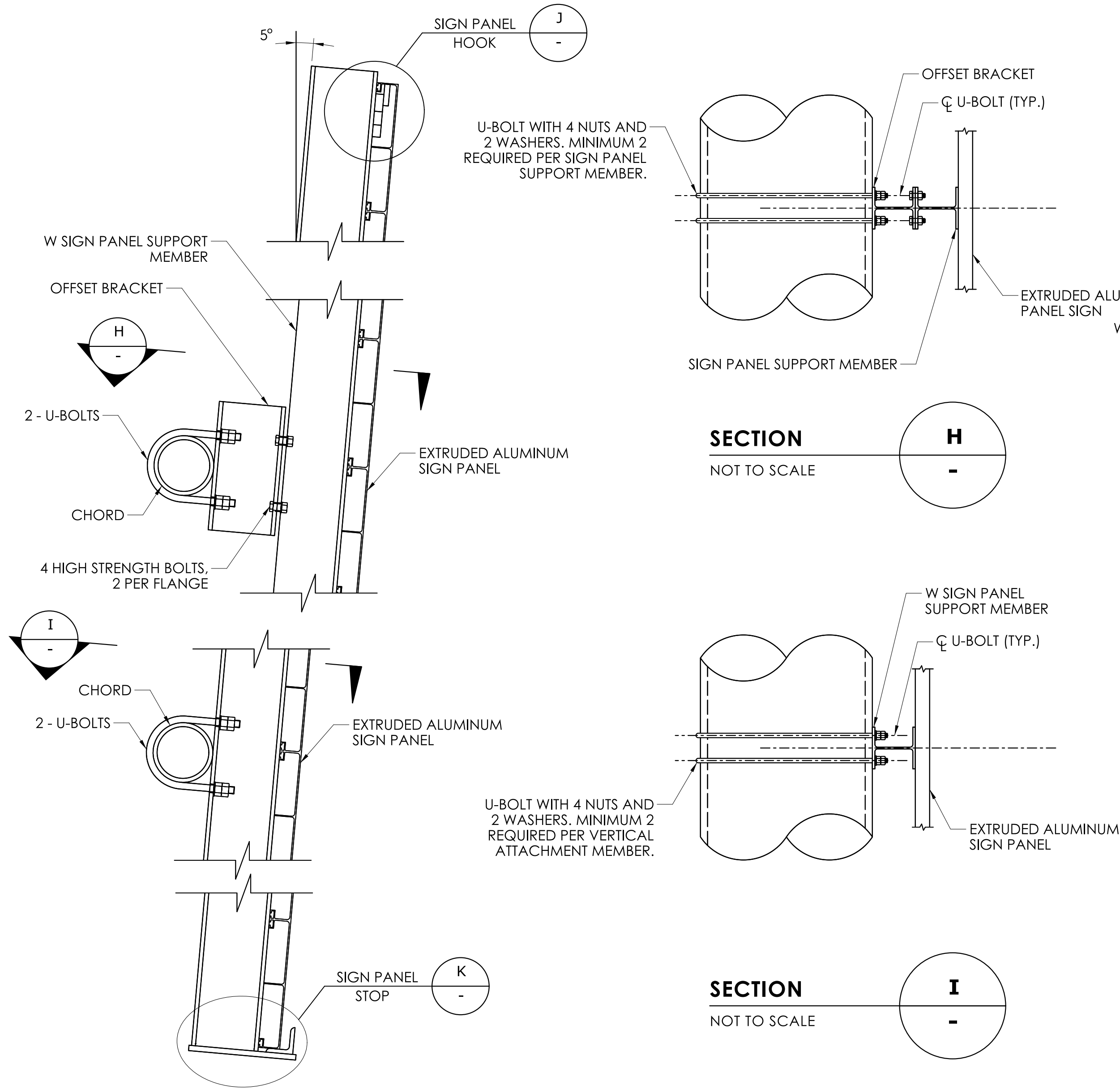


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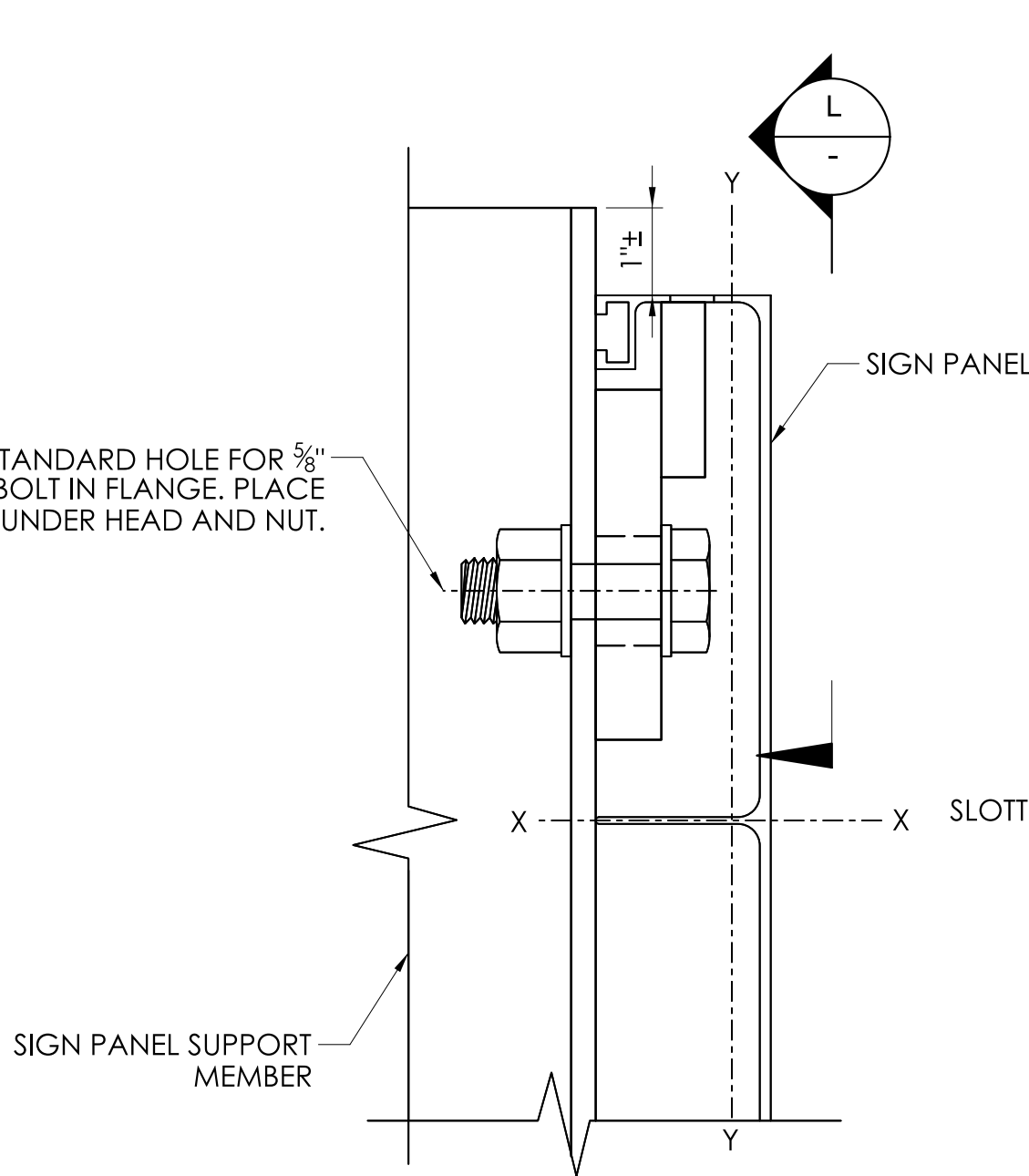
REV.	DATE	REVISION DESCRIPTION

VERTICAL ATTACHMENT MEMBER NOTE

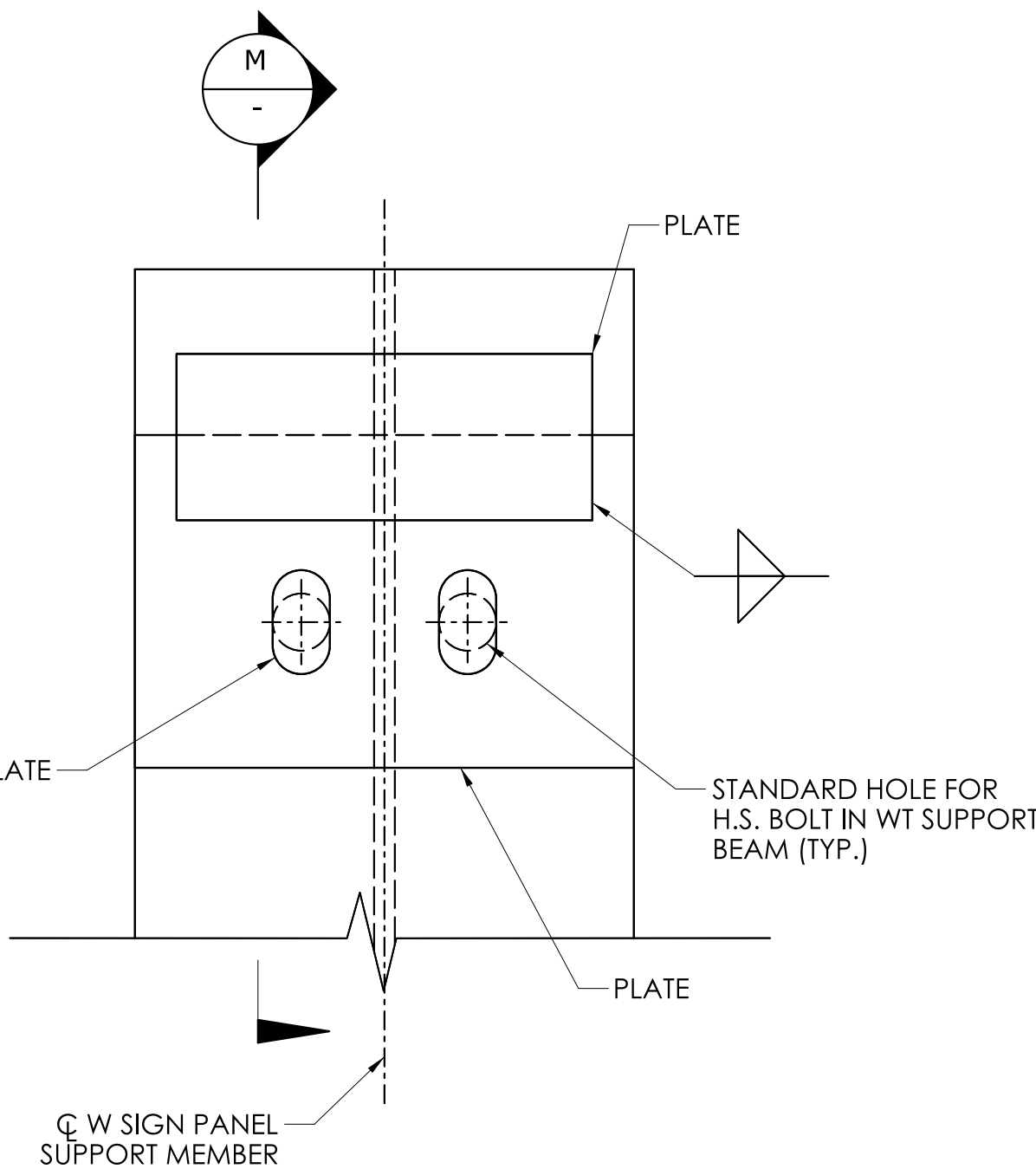
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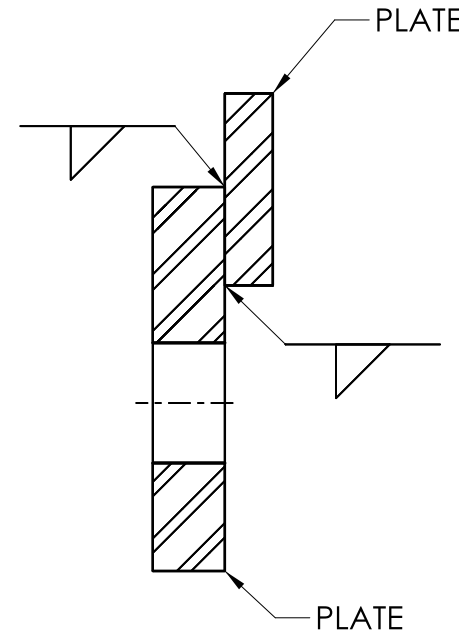
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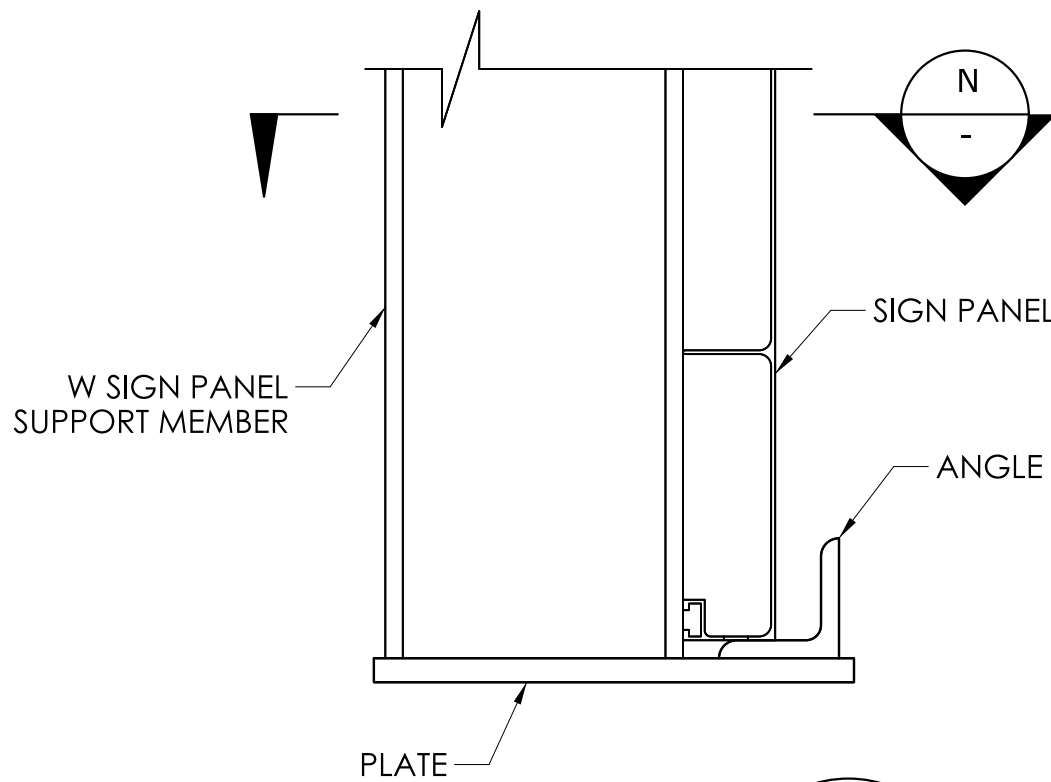
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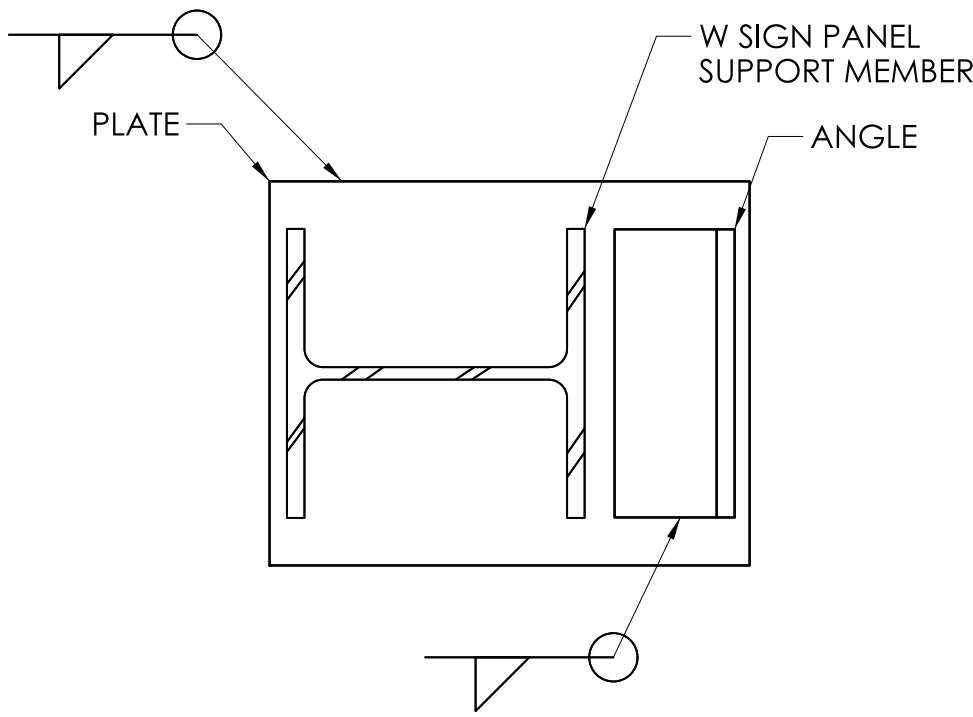
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SECTION M
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DETAIL K
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SECTION L
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REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

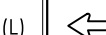
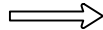
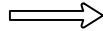
PROJECT TITLE:	REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
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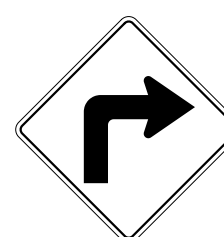
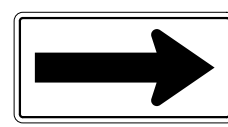
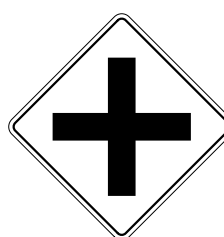
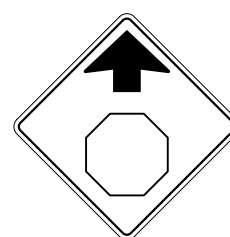
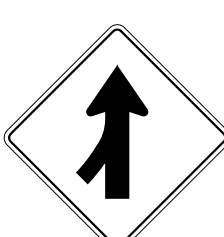
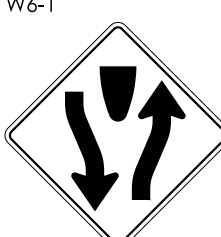
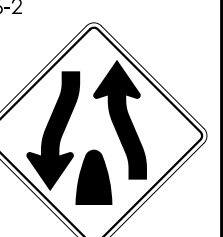
TOWN(S):	WATERBURY
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DRAWING TITLE:	VERTICAL ATTACHMENT MEMBER DETAILS - 2
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PROJECT NO.:	0151-0340
DRAWING NO.:	TXCS-11
SHEET NO.:	07.52

R1 - SERIES										R2 - SERIES										R3 - SERIES										R4 - SERIES										R5 - SERIES																																																																										
R1-1 * LEGEND - WHITE BACKGROUND - RED <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>1.85</td><td>18</td><td>31-0532</td><td>1</td><td>.080</td></tr><tr><td>5.19</td><td>30</td><td>31-0552</td><td>1</td><td>.080</td></tr><tr><td>7.98</td><td>36</td><td>31-0553</td><td>1</td><td>.080</td></tr><tr><td>13.3</td><td>48</td><td>31-0557</td><td>2</td><td>.100</td></tr></tbody></table>										AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	1.85	18	31-0532	1	.080	5.19	30	31-0552	1	.080	7.98	36	31-0553	1	.080	13.3	48	31-0557	2	.100	R2-1 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>5.00</td><td>24X30</td><td>31-5505</td><td>1</td><td>.080</td></tr><tr><td>7.50</td><td>30X36</td><td>31-5504</td><td>1</td><td>.080</td></tr><tr><td>12.00</td><td>36X48</td><td>31-5506</td><td>2</td><td>.100</td></tr><tr><td>48X60</td><td>31-5507</td><td>2</td><td>.100</td><td></td></tr></tbody></table>										AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	5.00	24X30	31-5505	1	.080	7.50	30X36	31-5504	1	.080	12.00	36X48	31-5506	2	.100	48X60	31-5507	2	.100		R3-1 LEGEND - BLACK BACKGROUND - WHITE CIRCLE & DIAGONAL - RED <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>4.00</td><td>24X24</td><td>31-1604</td><td>1</td><td>.080</td></tr><tr><td>9.00</td><td>36X36</td><td>31-1627</td><td>2</td><td>.080</td></tr></tbody></table> R3-5 31-0183 31-0184 R3-6 31-0175 31-0175 R3-8 31-0282 31-0283 R3-8b 31-0302 31-0302 R3-8b 31-0353 31-0353										AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	4.00	24X24	31-1604	1	.080	9.00	36X36	31-1627	2	.080	R4-1 31-1502 31-1502 R4-16 31-1574 31-1574										R5-1 31-1119 31-1119 R5-10a(CT) 31-1775 31-1775									
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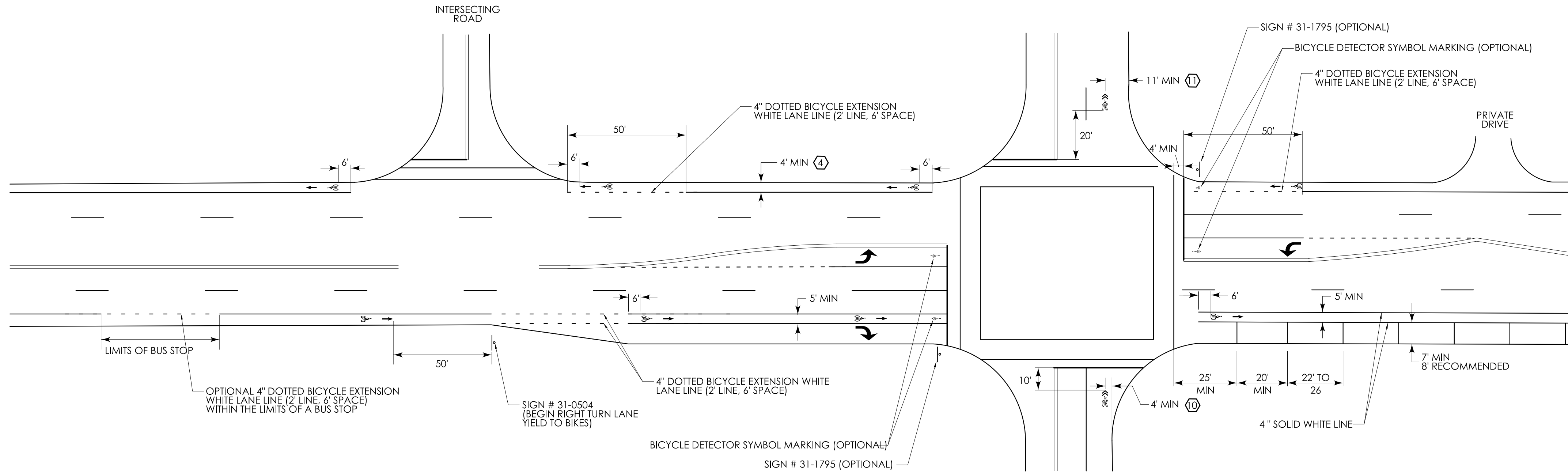
R6 - SERIES						R7 - SERIES						R8 - SERIES						R9 - SERIES						R10 - SERIES						R11 - SERIES						RETROREFLECTIVE STRIP																																																																																																																																				
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5.00	24X30	31-0806	1	.080																																																																																																																																																																				
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7.50	30X36	31-0852	1	.080																																																																																																																																																																				
AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.																																																																																																																																																																				
6.25	30X30		1	.080																																																																																																																																																																				
R7-2a NO PARKING 0:00 AM TO 0:00 PM (L)  VARIABLE TIMES (R)  (D)  LEGEND - RED BACKGROUND - WHITE <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>1.50</td><td>12X18</td><td>31-0603</td><td>1</td><td>.080</td></tr></tbody></table>						AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	1.50	12X18	31-0603	1	.080	R9-6  YIELD TO PEDS  <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>1.50</td><td>12X18</td><td>31-1796</td><td>1</td><td>.080</td></tr></tbody></table>						AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	1.50	12X18	31-1796	1	.080	R10-11a NO TURN ON RED <table><thead><tr><th>AREA (SQ. FT.)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th><th>ALUM. THK.</th></tr></thead><tbody><tr><td>7.50</td><td>30X36</td><td>31-0830</td><td>1</td><td>.080</td></tr><tr><td>12.00</td><td>36X48</td><td>31-0819</td><td>2</td><td>.100</td></tr></tbody></table>						AREA (SQ. FT.)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	7.50	30X36	31-0830	1	.080	12.00	36X48	31-0819	2	.100																																																																																																																				
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D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. 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FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	AL

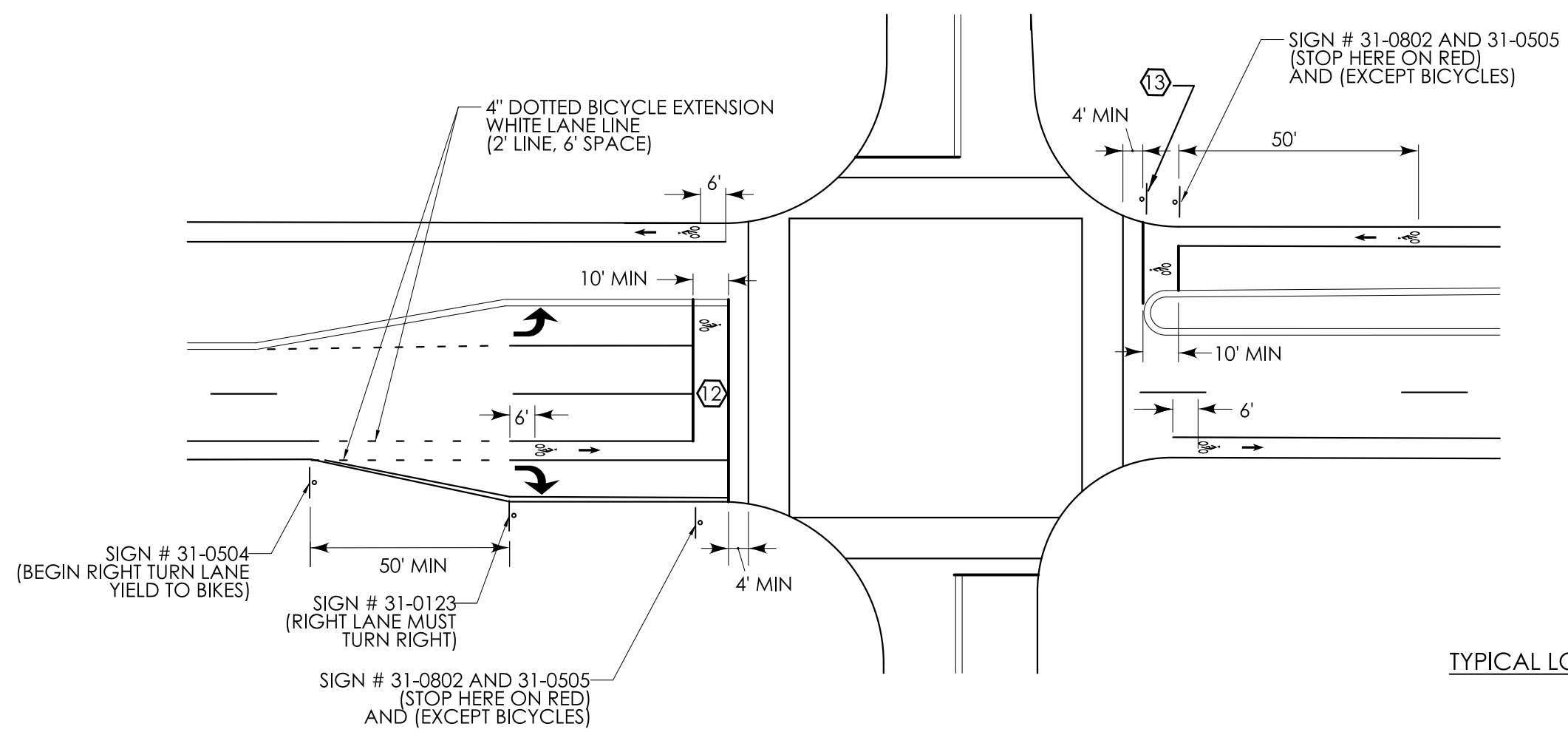
Description	Assembly(lb)	Mounting kit(lb)	Total Weight (lb)	Total Surface Area (sf)	Projected area (sf, front)	Projected area (sf,bottom)
Single Section Signal face w/ backplate	14	11	25	14.25	3.8	0.66
3-Section Signal face w/ backplate	40	11	51	29.75	8.2	0.66
4-Section Signal face w/ backplate	53	11	64	37.5	10.3	0.66
5-Section "doghouse" Signal face w/ backplate	65	11	76	45	12.8	1.32
5-Section vertical Signal face w/ backplate	65	11	76	45	10.5	0.66
Pedestrian signals (Countdown)	23	9	32	5.4	1.97	0.38
Pedestrian pushbutton (APS)	7	INCL.	7	1.5	0.5	0.06
Camera - IP & Thermal	7	-	-	3.25	0.25	0.7
Smartmount bracket (10' riser), Junction box & mounting kit	-	16.75	23.75	-	-	-
Extension bracket (3' riser), Junction box & mounting kit	-	9.75	16.75	-	-	-
Horizontal (20'), Junction box & mounting kit	-	156.45	163.45	-	-	-
Camera - 360-degree	7	-	-	2.75	0.5	0.53
Smartmount bracket (10' riser), Junction box & mounting kit	-	16.75	23.75	-	-	-
Extension bracket (3' riser), Junction box & mounting kit	-	9.75	16.75	-	-	-
Horizontal (20'), Junction box & mounting kit	-	156.45	163.45	-	-	-
Camera repeater	0.85	INCL.	0.85	0.4	0.105	0.105
EVPS - Siren detector	4.125	INCL.	4.125	2.5	0.25	0.3
Blank out sign 24"x30"	60	11	71	24.5	6.75	1.72
Sheet aluminum sign	4 lb/sf	11	varies	varies	varies	varies
Radar - Wavetronix Advance sensor	3.8	6.7	10.5	3.1	0.97	0.3
Radar - Wavetronix Matrix sensor	4.3	6.7	11	3	0.97	0.3
Road Side Unit (RSU) - by Cohda Wireless	4.8	INCL.	4.8	1.44	0.43	0.17
Luminaire	21	153	174	8.45	0.38	2.99
CCTV camera - by American Dynamics	8.6	INCL.	8.6	1.9	0.27	0.13
Vantage Vector Hybrid(radar&video) - by Iteris	10	INCL.	10	9.76	0.034	1.77
RZ-4 Advanced WDR - by Iteris	5.7	INCL.	5.7	2.15	0.14	0.6
VantageRadius(radar&video) - by Iteris	3	INCL.	3	1.9	0.38	0.32

				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: D. GEHRING CHECKED BY: M. KURKER		 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK:  Michael J. Ecker PE, Companies 100 Constitution Plaza 3rd floor Hartford, CT 06103		PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP		TOWN: WATERBURY		PROJECT NO. 0151-0340	
						SCALE AS NOTED						DRAWING NO. TR-GS_04		SHEET NO. 07.56			
REV. DATE REVISION DESCRIPTION SHEET NO.				Plotted Date: 7/14/2025				Filename: ...\\TR_GS_0151-0340_04_Structures Data.dgn									

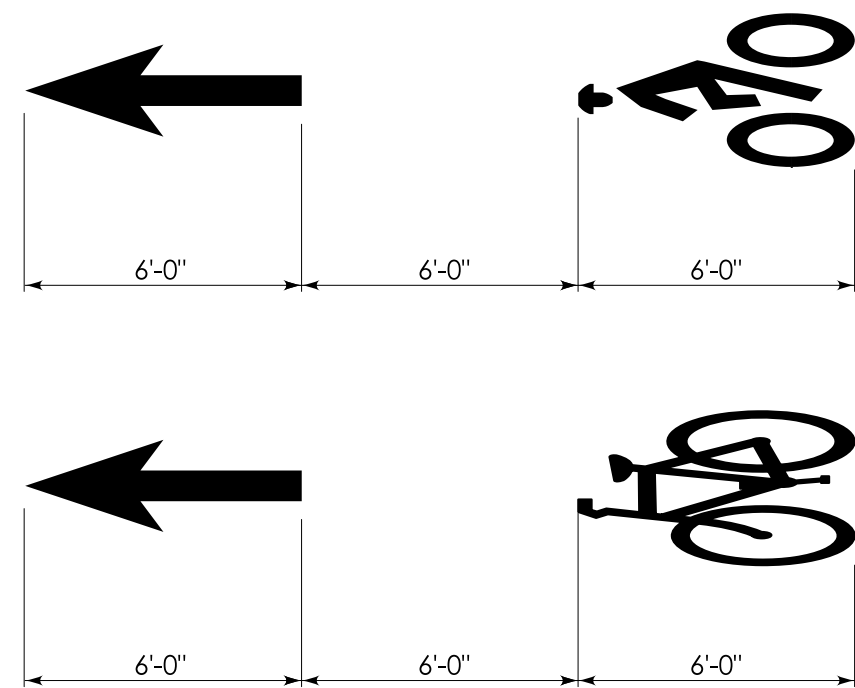
TYPICAL BICYCLE LANE AND SHARROW MARKING DETAIL



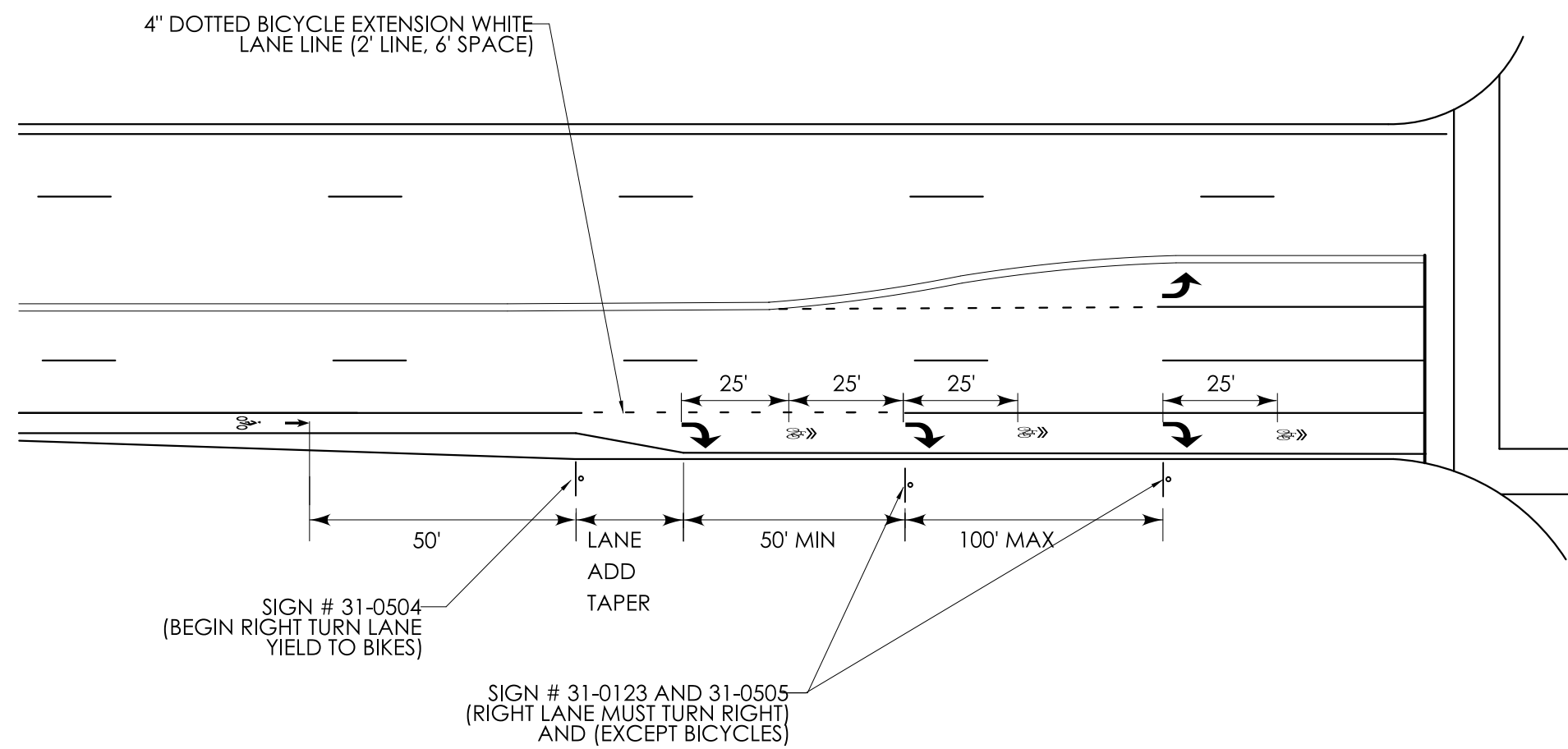
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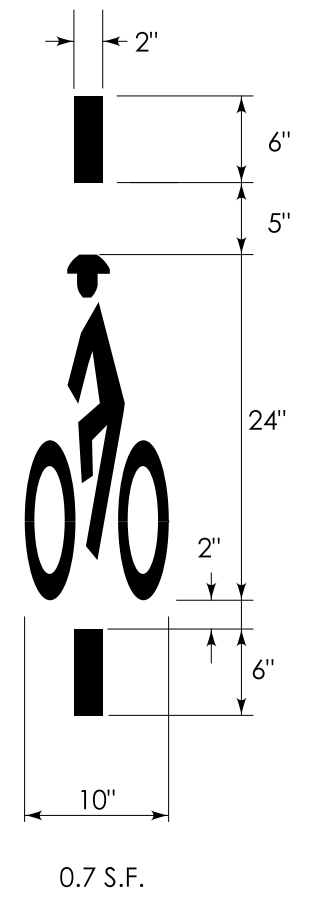
TYPICAL LONGITUDINAL SPACING



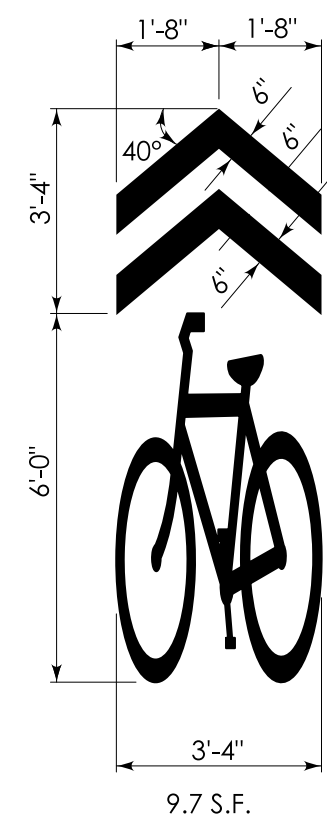
TYPICAL SHARED BICYCLE LANE AND TURN LANE DETAIL



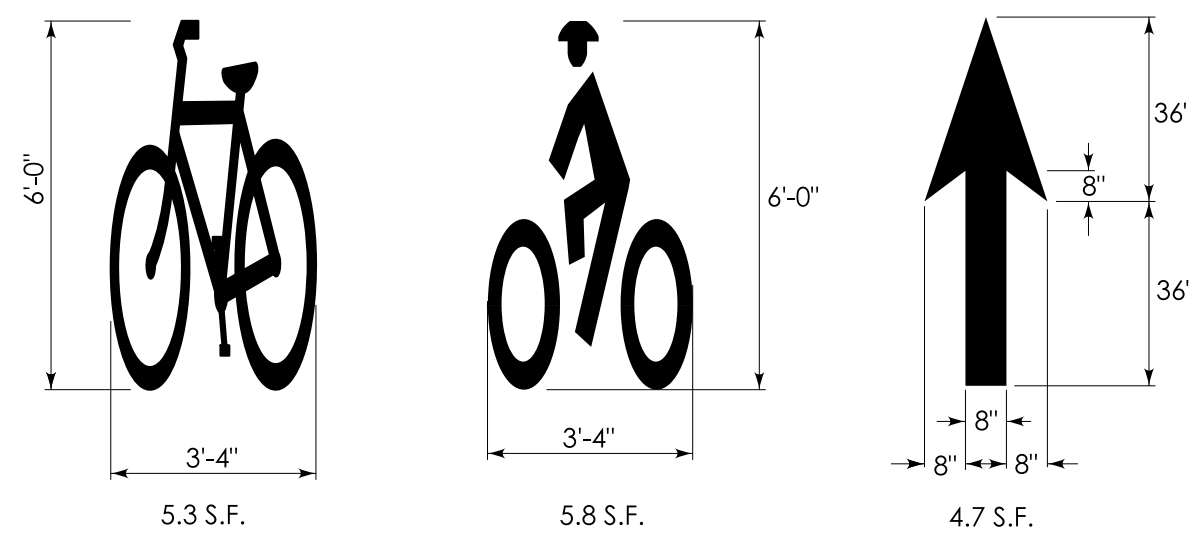
BICYCLE DETECTOR SYMBOL MARKING



SHARED LANE SYMBOL MARKING

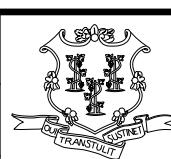


BICYCLE LANE SYMBOL MARKINGS



					THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 7/16/2025	

DESIGNER/DRAFTER:	D. GEHRING
CHECKED BY:	M. KURKER
NOT TO SCALE	



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\\TR_GS_0151-0340_05_Bicycle Facilities.dgn



SIGNATURE/
BLOCK:



BL Companies
100 Constitution Plaza
10th Floor
Hartford, CT 06103

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN:

WATERBURY

DRAWING TITLE:

BICYCLE FACILITIES TYPICAL DETAILS

PROJECT NO.

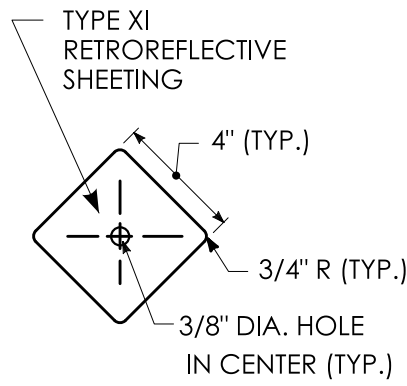
DRAWING NO.
TR-GS_05

MEET NO.

07.57

DELINEATORS DE-1, DE-2, DE-3

INSTALLATION ON DELINEATOR POSTS

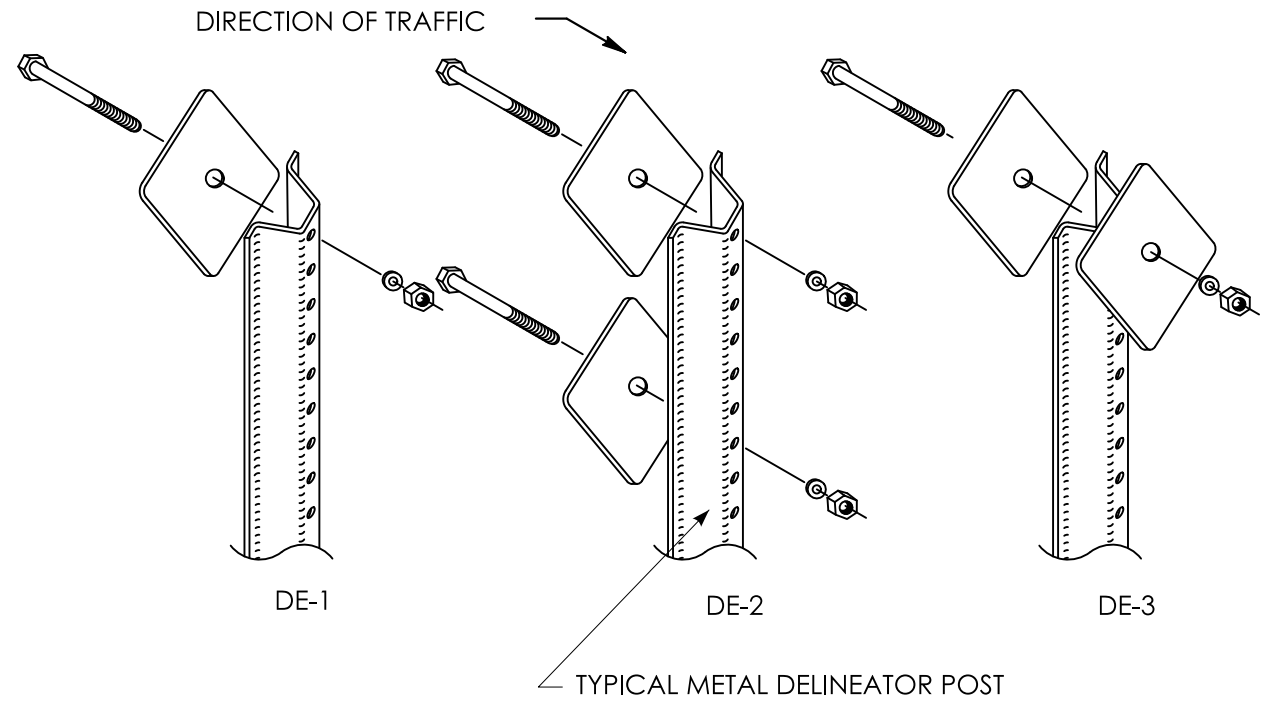


COLORS: - YELLOW, WHITE OR RED.

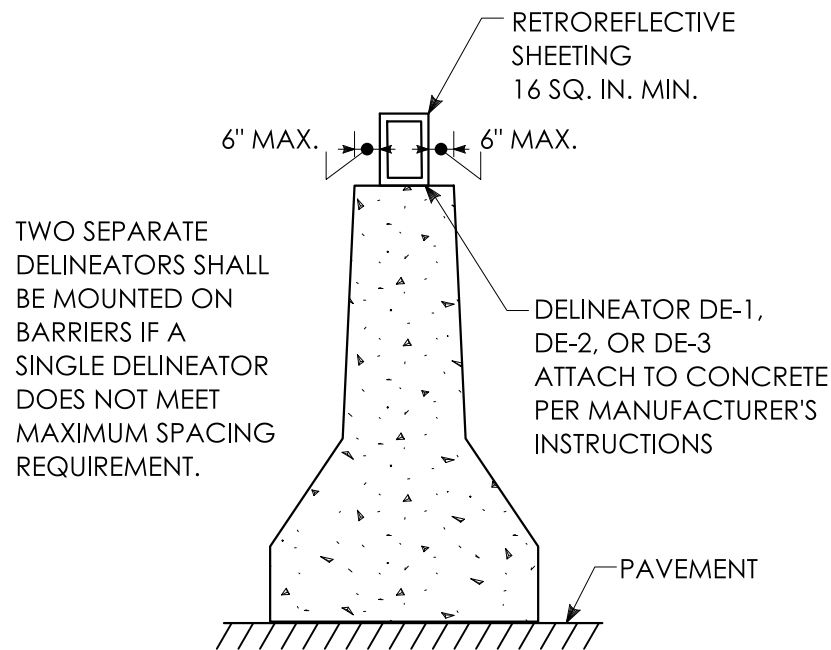
DELINEATORS - .0625" THK. ALUMINUM ALLOY.

FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE XI RETROREFLECTIVE SHEETING.

DELINEATORS SHALL BE FASTENED WITH 5/16" STAINLESS STEEL ASTM A-193 CLASS 1, GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT (LENGTH AS REQUIRED), WASHER AND FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.



INSTALLATION ON PERMANENT CONCRETE BARRIER, BRIDGE PARAPETS AND RETAINING WALLS



TWO SEPARATE DELINEATORS SHALL BE MOUNTED ON BARRIERS IF A SINGLE DELINEATOR DOES NOT MEET MAXIMUM SPACING REQUIREMENT.

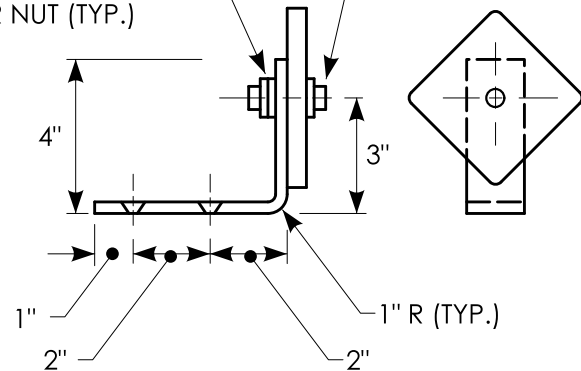
DELINEATOR DE-1, DE-2, OR DE-3 ATTACH TO CONCRETE PER MANUFACTURER'S INSTRUCTIONS

PAVEMENT

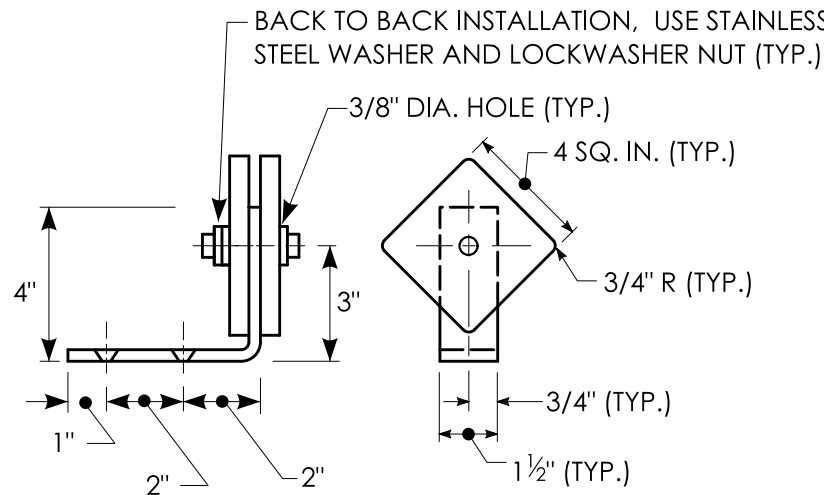
DELINEATORS DE-4, DE-4A, DE-5
FOR INSTALLATION ON METAL BRIDGE RAIL

5/16" STAINLESS STEEL ASTM A-193, CLASS 1 GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT, LENGTH AS REQ'D (TYP.)

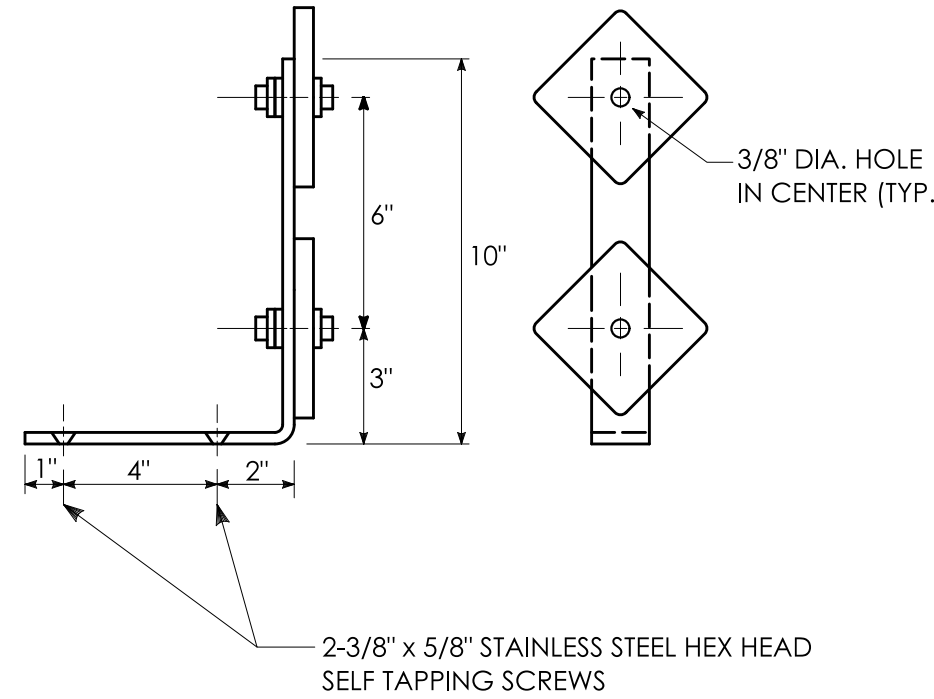
USE STAINLESS STEEL ASTM A-194 GRADE 8 (TYPE 304) OR BETTER WASHER AND LOCKWASHER NUT (TYP.)



DE-4



DE-4A

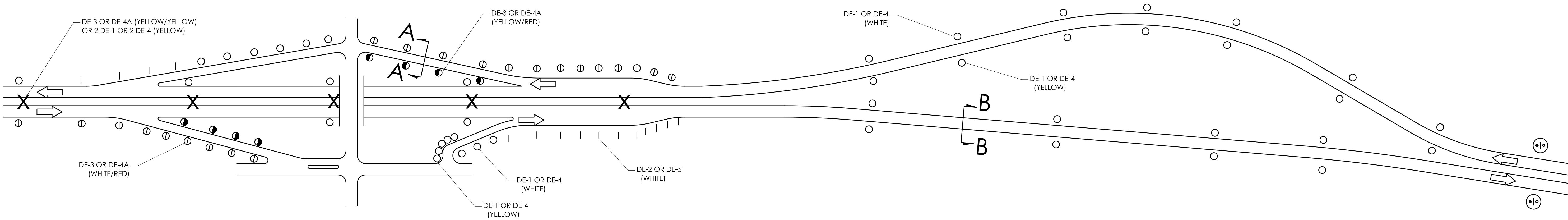


DE-5

COLORS: - YELLOW, WHITE OR RED.
DELINEATORS - .0625" THK. ALUMINUM ALLOY.
BRACKET - .125" THK. ALUMINUM ALLOY, AND SHALL CONFORM TO SPECIFICATION M.18.07-03 BRIDGE RAIL MOUNTING BRACKETS.
FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE XI RETROREFLECTIVE SHEETING.
USE STAINLESS STEEL WASHERS ON FACE OF DELINEATORS, 5/8" O.D. X 3/8" I.D. X .032" THK. (TYP.)

DELINEATORS TYPE DE-4, DE-4A, AND DE-5 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

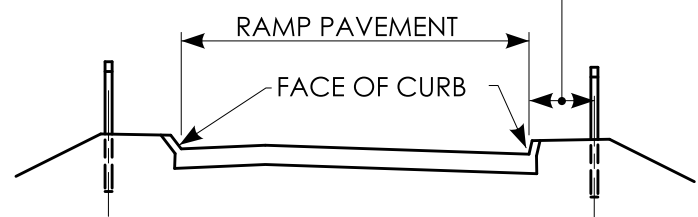
TYPICAL MAINLINE & INTERCHANGE DELINEATION



DELINEATOR SPACING NOTES:

- 1) AT LOCATIONS WHERE THE MEDIAN WIDTH (BETWEEN SHOULDERS) IS 12' OR LESS, AND MEDIAN BEAM RAIL IS PRESENT, TYPE DE-3 DELINEATORS SHALL BE MOUNTED WITHIN THE MEDIAN BEAM RAIL.
- 2) SPACING ON MAINLINE EXPRESSWAY TANGENTS SHALL BE 400'.
- 3) SPACING ON MAINLINE EXPRESSWAY CURVES SHALL BE AS SPECIFIED IN THE MUTCD TABLE.
- 4) ON ACCELERATION AND DECELERATION LANES AND ON-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 100'.
- 5) ON CURVED PORTIONS OF RAMPS, DELINEATOR SPACING SHALL BE IN ACCORDANCE WITH THE MUTCD TABLE, BUT NOT TO EXCEED 100'.
- 6) ON OFF-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 50' THROUGHOUT.
- 7) GUIDE RAIL AND BARRIER DELINEATOR SPACING SHALL BE AS SPECIFIED IN THE CORRESPONDING SPECIFICATIONS AND DETAILS.

2' TYP. TO 8' MAX. AS DIRECTED BY ENGINEER.
ONE OFFSET SHALL BE USED THROUGHOUT PROJECT.
DELINEATORS TO BE PLACED IN LINE WITH GUIDE RAIL POSTS WHEN GUIDE RAIL IS 8' OR LESS FROM THE EDGE OF THE ROAD.



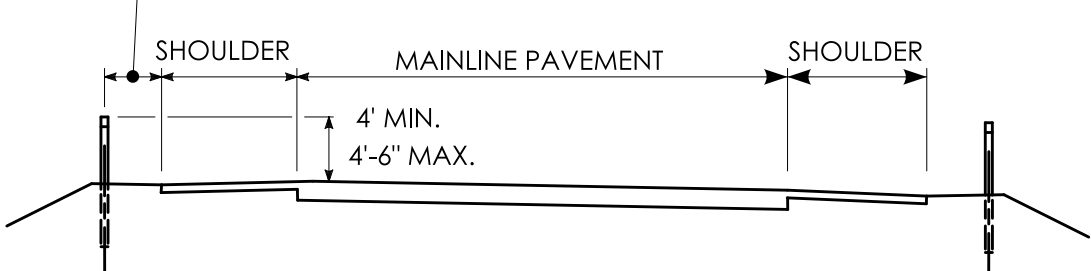
SECTION A-A

DELINEATOR PLACEMENT ON RAMPS
ON TANGENT SECTIONS - RIGHT SIDE OF RAMP
ON CURVED SECTIONS - BOTH SIDES OF CURVE
ON TANGENT AND CURVE - BOTH SIDES OF OFF-RAMP

LEGEND:

- DE-1 DELINEATORS OR DE-4 DELINEATOR ASSEMBLY
- | DE-2 DELINEATORS OR DE-5 DELINEATOR ASSEMBLY (WHITE)
- X DE-3 DELINEATOR OR DE-4A DELINEATOR ASSEMBLY (YELLOW & YELLOW)
- DE-3 DELINEATORS OR DE-4A DELINEATOR ASSEMBLY (BI-COLOR: YELLOW & RED)
- ⊙ DE-3 DELINEATORS OR DE-4A DELINEATOR ASSEMBLY (BI-COLOR: WHITE & RED)
- ⓓ D10-1, 2, 3, OR 4 ASSEMBLY TO BE INSTALLED WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. (REFERENCE LOCATION/MILE POST SIGNS)

2' TYP. TO 8' MAX. AS DIRECTED BY ENGINEER.
ONE OFFSET SHALL BE USED THROUGHOUT PROJECT.
DELINEATORS TO BE PLACED IN LINE WITH GUIDE RAIL POSTS WHEN GUIDE RAIL IS 8' OR LESS FROM THE EDGE OF THE ROAD.



SECTION B-B

DELINEATOR PLACEMENT ON MAINLINE

MUTCD TABLE - APPROXIMATE SPACING
FOR DELINEATORS ON HORIZONTAL CURVES

RADIUS (R) OF CURVE (feet)	APPROXIMATE SPACING (S) ON CURVE (feet)
50	20
115	25
180	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90

DISTANCE IN FEET WERE ROUNDED TO THE NEAREST 5 FEET. SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FEET. THE SPACING ON CURVES SHOULD NOT EXCEED 300 FEET. IN ADVANCE OF OR BEYOND A CURVE, AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S, THE SECOND IS 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FEET.

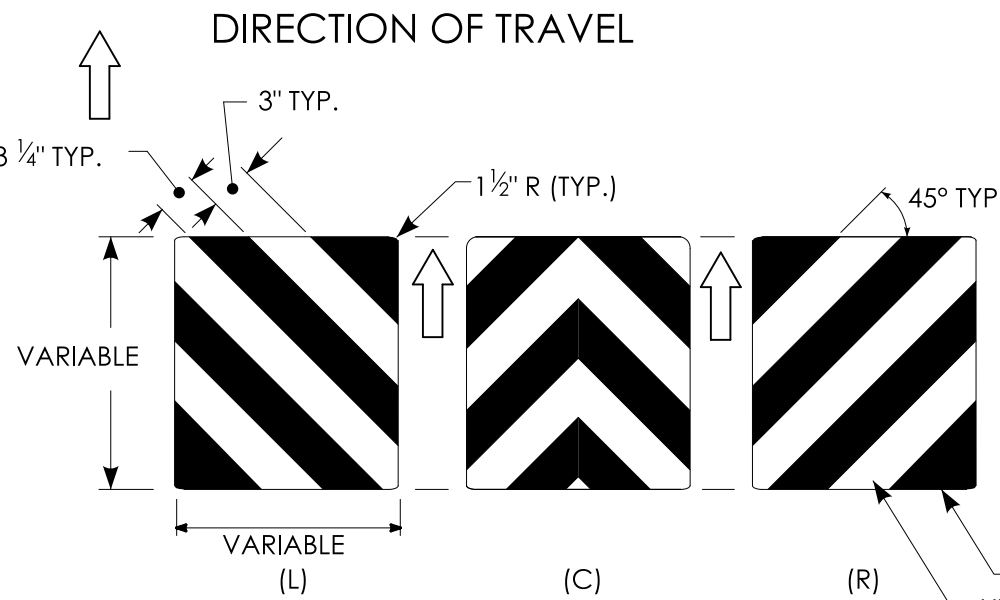
S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA: $S = 3\sqrt{R-50}$.

STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: DELINEATION, DELINEATORS AND ATTENUATOR REFLECTOR DETAILS

ATTENUATOR REFLECTORS
SIGN #40-4266



THIS SHEETING WITHOUT A SUBSTRATE TO BE INSTALLED ON THE NOSE OF THE IMPACT ATTENUATOR WITH ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE SHEETING SHALL COVER THE NOSE OF THE IMPACT ATTENUATOR. ON A CURVED NOSE, THE WIDTH OF THE SHEETING SHALL EXTEND 1" BEYOND THE POINT OF CURVATURE ON EACH SIDE OF THE NOSE. THE HEIGHT AND WIDTH OF THE SHEETING VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT ATTENUATOR.

BLACK OPAQUE (TYP.)
YELLOW TYPE IV OR TYPE IX RETROREFLECTIVE STRIPE (ANGLE DOWNWARD TOWARD ADJACENT PAVEMENT) (TYP.)

ATTENUATOR REFLECTOR TO BE PAID
FOR UNDER SECTION 18.0 IMPACT ATTENUATOR

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: D. GEHRING

CHECKED BY: M. KURKER

NOT TO SCALE

SIGNATURE/
BLOCK:



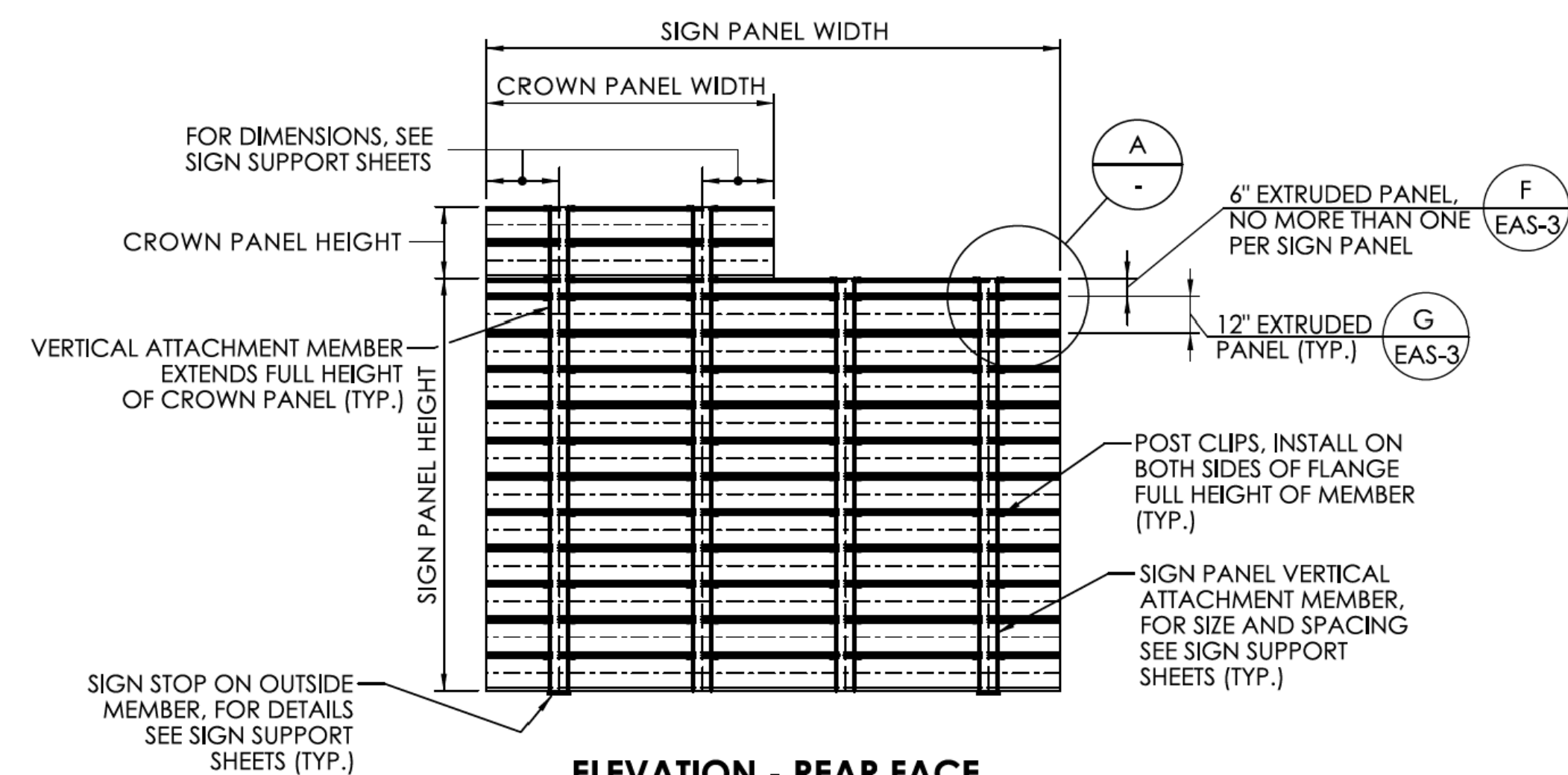
STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION



LASTED SAVED BY: RichardEH FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 7/16/2025

DRAWING NO.
TR-GS_06

SHEET NO.
07.58



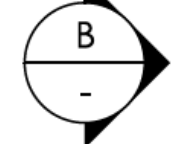
SCALE: 1/4"=1'-0"



SCALE: 1/4"=1'-0"



SCALE: 1/4"=1'-0"



THE EXTRUDED ALUMINUM SIGN PANELS SHALL BE CONNECTED TOGETHER WITH PANEL BOLTS INSTALLED IN ACCORDANCE WITH THE SPACING CRITERIA SHOWN. IF THE PANEL BOLTS CANNOT BE INSTALLED DUE TO MISALIGNED HOLES, A NEW HOLE(S) SHALL BE INSTALLED IN THE FLANGE OF THE EXTRUDED PANEL. THE NEW HOLE(S) SHALL BE A MINIMUM OF 2" FROM ANY EXISTING PANEL BOLT HOLES.

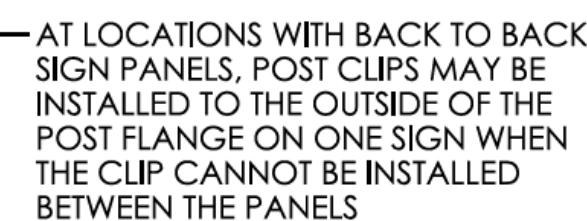


Diagram illustrating the components of a sign assembly:

- 6" EXTRUDED PANEL
- $\frac{1}{2}$ " ϕ X $\frac{3}{4}$ " LONG HEX HEAD PANEL BOLT WITH LOCK NUT AND WASHER
- SIGN POST
- 12" EXTRUDED PANEL

RESULTS

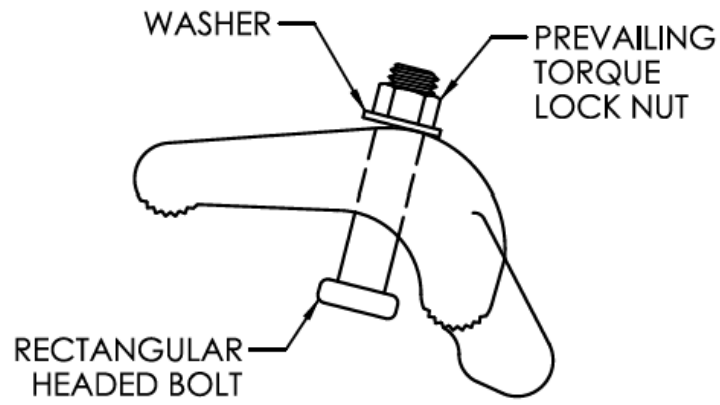
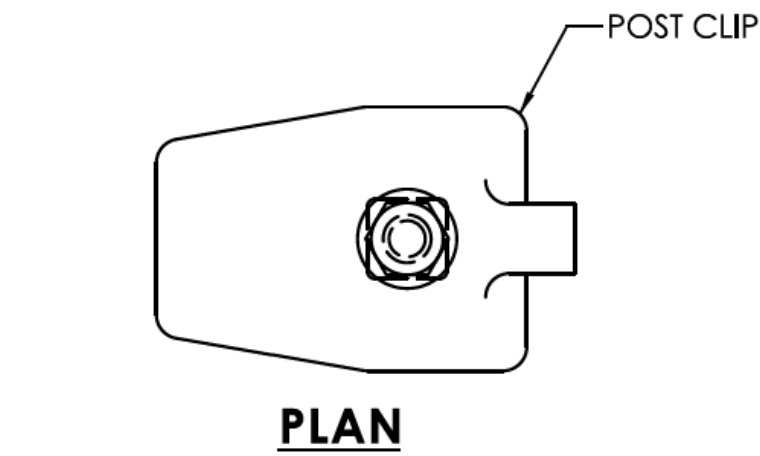
Technical drawing showing a cross-section of a vertical sign post assembly. The assembly consists of a 12" extruded aluminum panel (typ.) attached to a vertical attachment member/sign post. The panel is secured by two post clips, each held in place by a post clip bolt with a rectangular head and a lock nut. A washer is also shown between the panel and the post clip. A dimension of 12" is indicated for the height of the panel section shown. A callout identifies the post clip as EAS-3.

Labels and dimensions:

- 12" EXTRUDED ALUMINUM PANEL (TYP.)
- 12"
- POST CLIP
- WASHER
- POST CLIP BOLT WITH RECTANGULAR HEAD
- LOCK NUT
- VERTICAL ATTACHMENT MEMBER/ SIGN POST
- EAS-3

SCALE: 6"=1'-0"

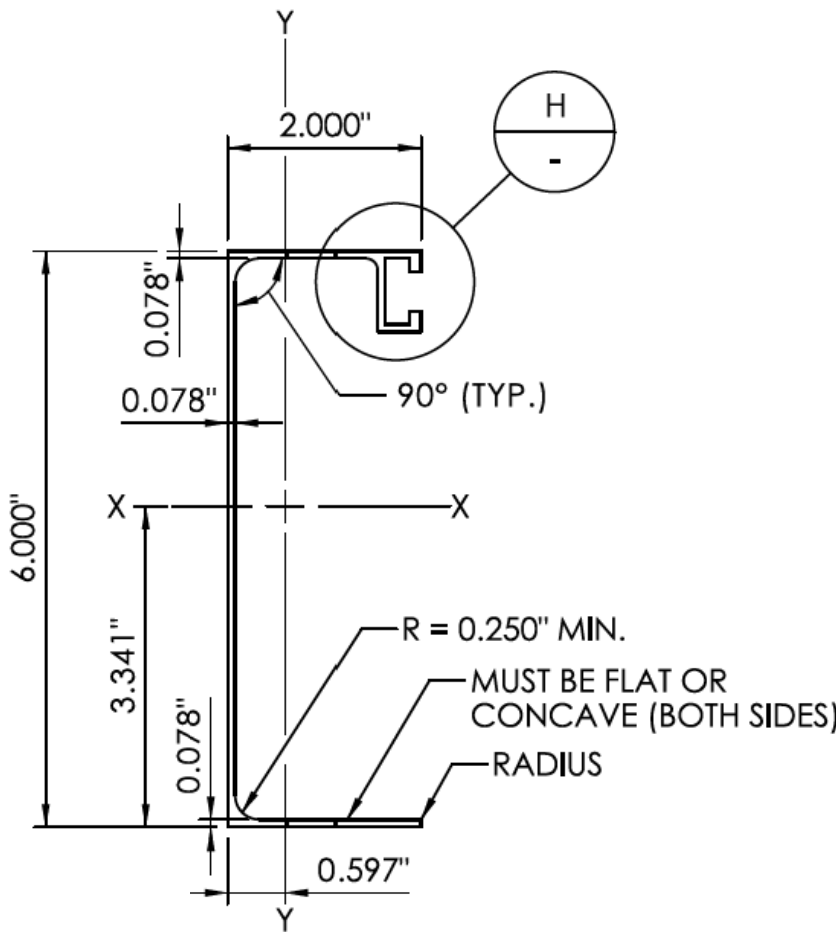
[illegible]



ELEVATION

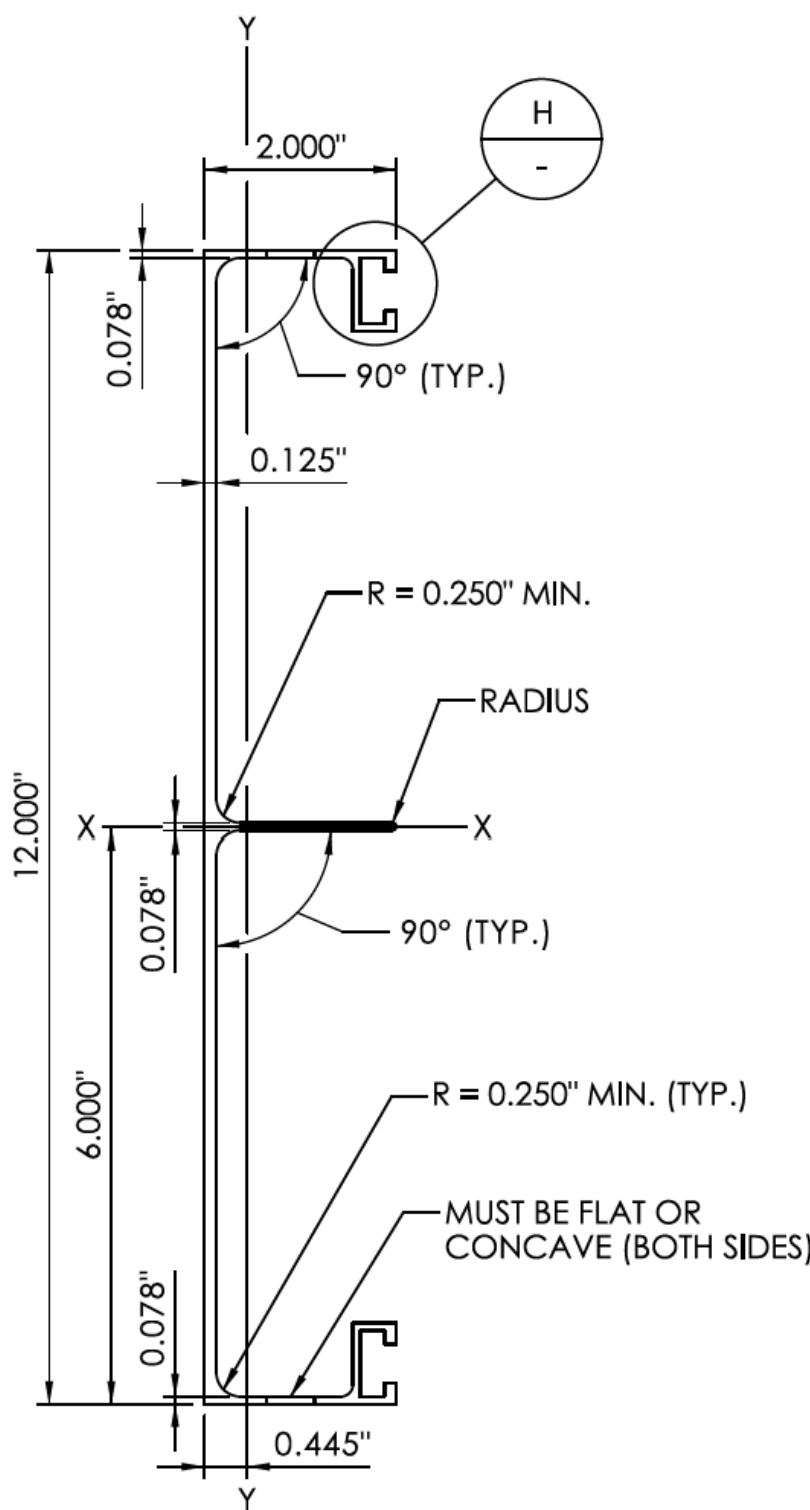
POST CLIP DETAIL

SCALE: Full Size 1 = 1

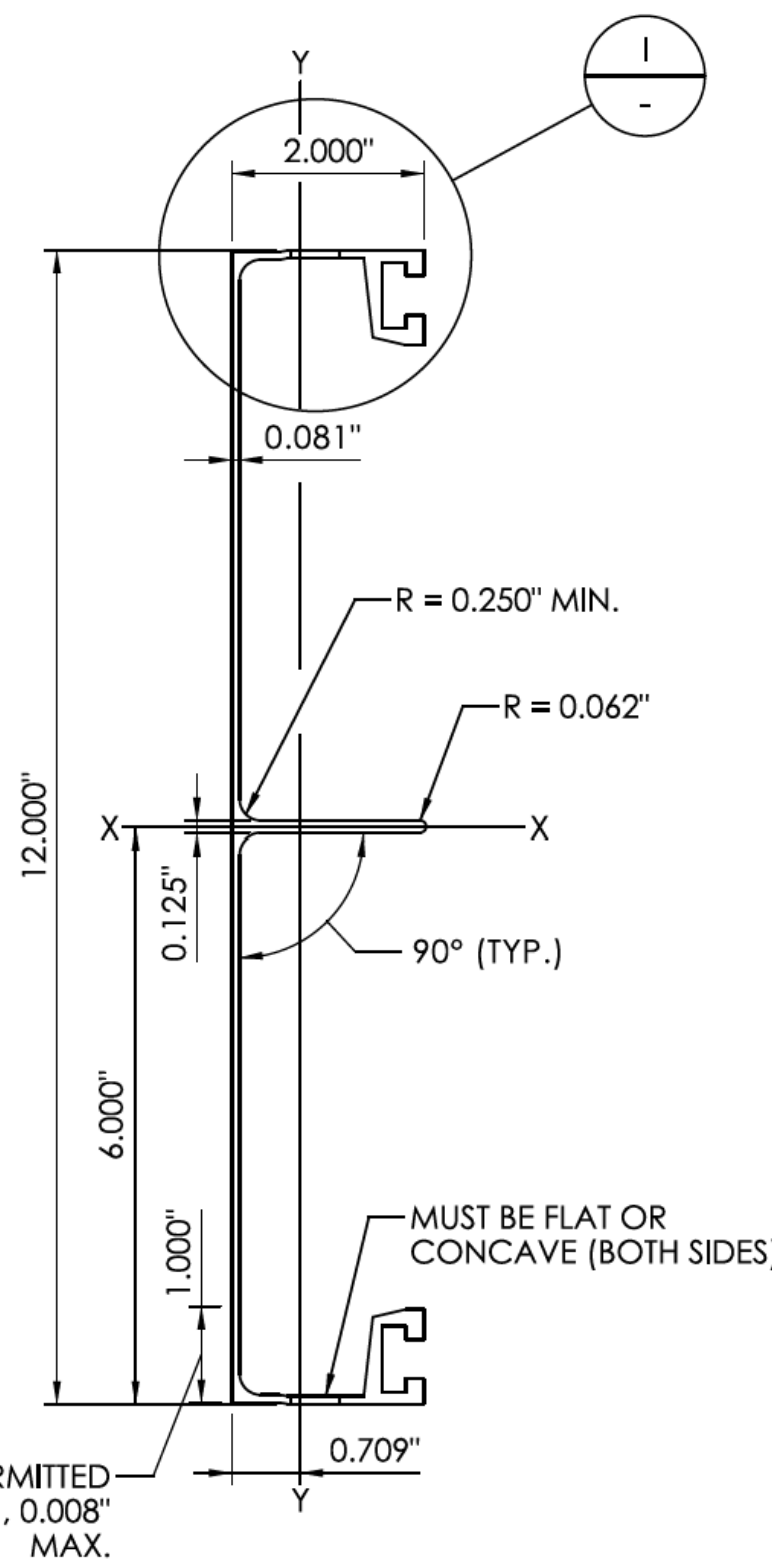


6" EXTRUDED PANEL

SCALE: 6"=1'-0"



ALTERNATE A



ALTERNATE B

12" EXTRUDED PANEL

SCALE: 6"=1'-0"



NOTES:

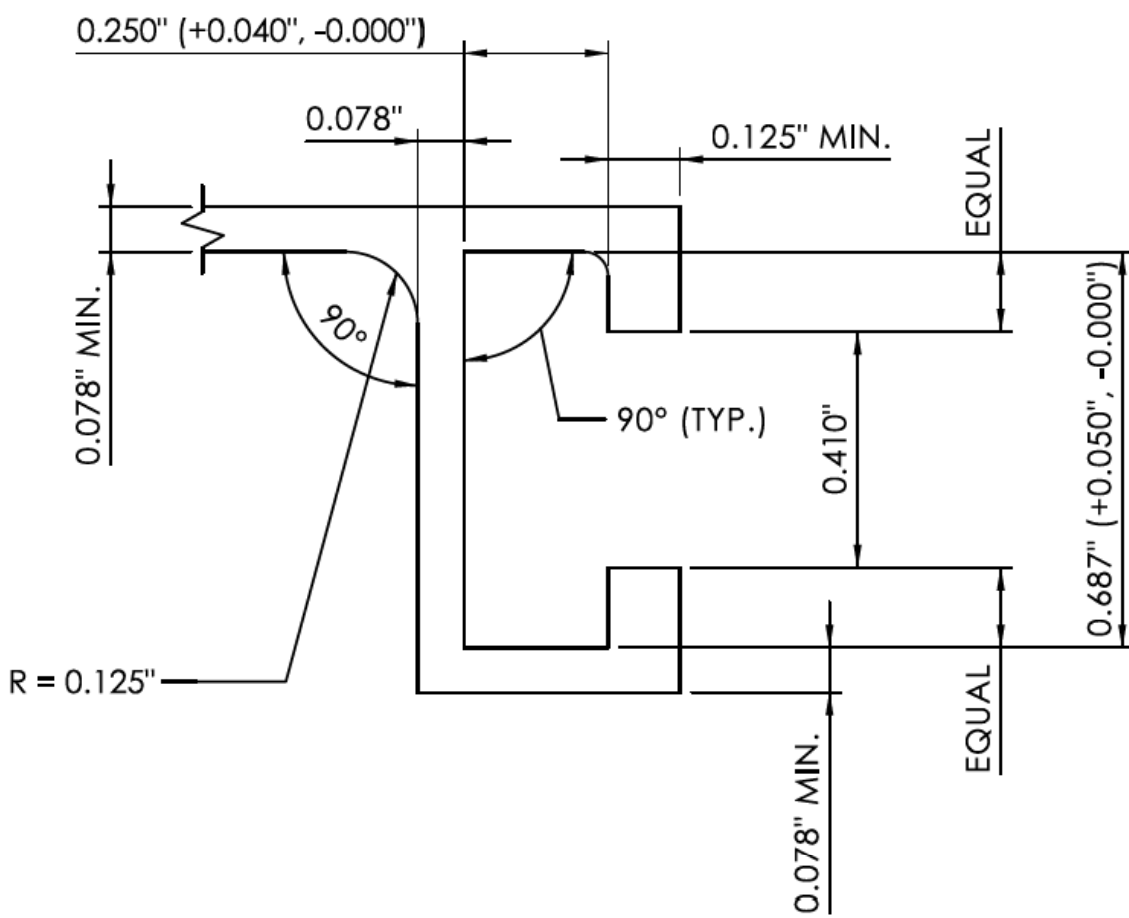
THE EXTRUDED PANELS SHALL CONFORM TO THE REQUIREMENTS ASTM B221, ALLOY 6063-T6 AND THE FOLLOWING SECTION PROPERTIES:

SECTION	AREA OF SECTION (in ²)	WT. / FT. (LBS. / FT.)	I _{X-X} (in ⁴)	I _{Y-Y} (in ⁴)
6" EXTRUDED PANEL	0.933	1.130	5.023	0.473
12" EXTRUDED PANEL ALTERNATE A	2.237	2.720	36.284	0.941
12" EXTRUDED PANEL ALTERNATE B	2.091	2.540	38.947	1.183

THE PANEL BOLTS SHALL CONFORM TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUTS SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUTS CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHERS SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHERS CONFORMING TO ASTM A276, TYPE 304, ANNEALED.

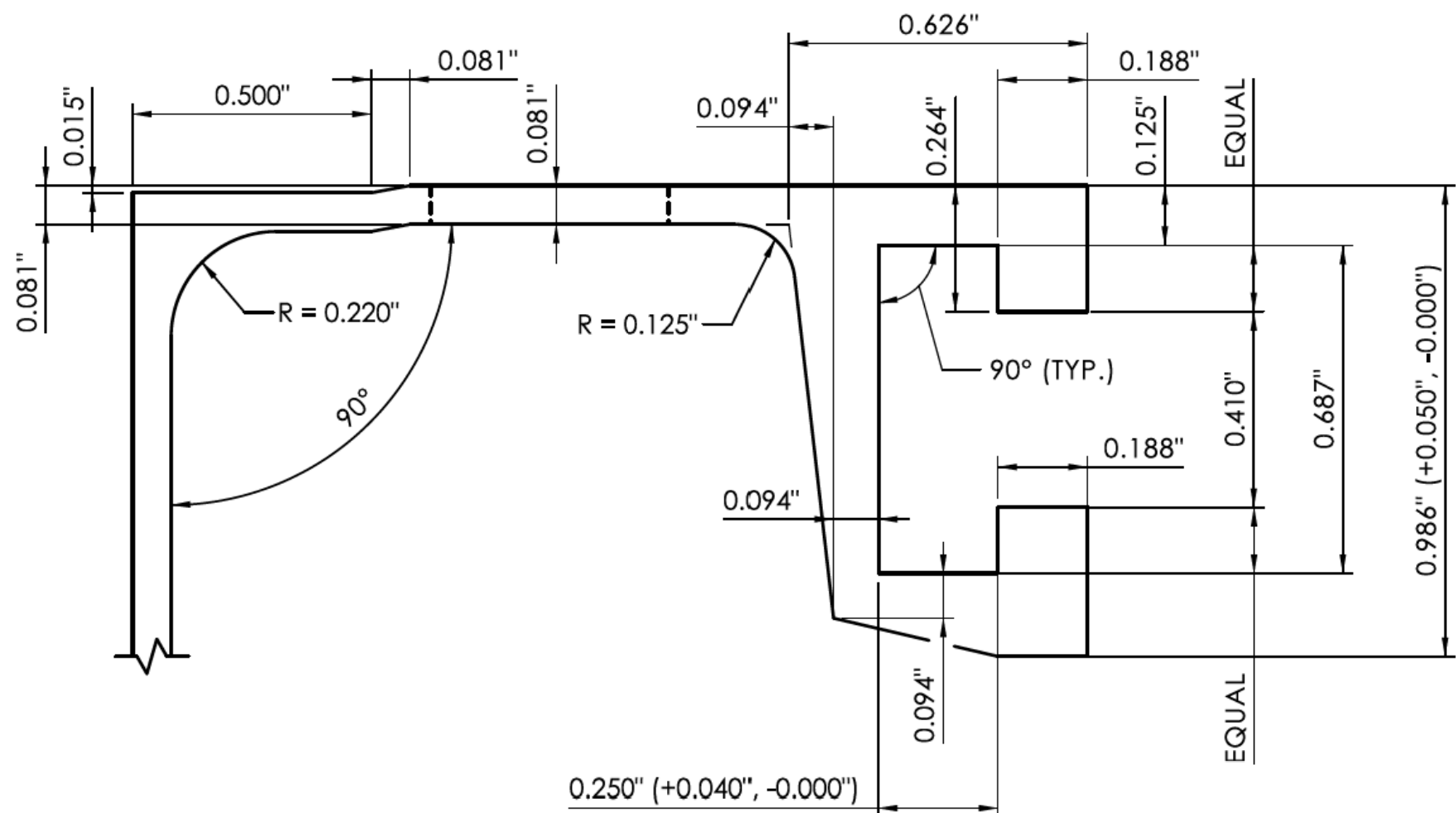
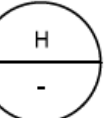
THE POST CLIP ASSEMBLY SHALL BE COMPOSED OF A POST CLIP AND A BOLT WITH A NUT AND WASHER. THE POST CLIP SHALL CONFORM TO THE REQUIREMENTS OF ASTM B26, ALLOY 356.0-T6. THE POST BOLT SHALL BE A 3/8" Ø X 1 3/4" LONG RECTANGULAR HEAD BOLT CONFORMING TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUT SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUT CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHER SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHER CONFORMING TO ASTM A276, TYPE 304, ANNEALED. THE DIMENSIONS OF THE RECTANGULAR BOLT HEAD SHALL BE SUCH THAT IT WILL FIT INTO THE EXTRUDED PANEL SLOT AND WILL NOT ROTATE WHILE THE NUT IS BEING TURNED.

THE COST OF FURNISHING AND INSTALLING THE EXTRUDED ALUMINUM SIGN AND CROWN PANELS, INCLUDING THE PANEL BOLTS AND POST CLIP ASSEMBLIES, SHALL BE PAID FOR UNDER THE APPLICABLE "SIGN FACE - EXTRUDED ALUMINUM" ITEM.



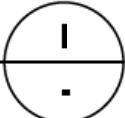
DETAIL

SCALE: 3:1



DETAIL

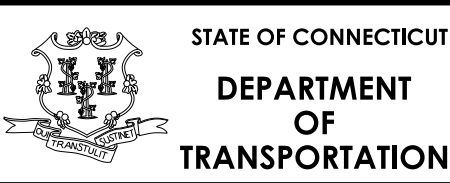
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REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: D. GEHRING	CHECKED BY: M. KURKER
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SIGNATURE/
BLOCK:



PROJECT NUMBER: 0151-0340
PROJECT DESCRIPTION: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP
TOWN(S): WATERBURY
DRAWING TITLE: EXTRUDED ALUMINUM SIGN PANEL MANUFACTURING DETAILS

DRAWING NO.
EAS-3

SHEET NO.
07.60

MOVEMENT DIAGRAM

PHASE 1 PHASE 2 PHASE 3 PHASE 4 PHASE 5 PHASE 6 PHASE 7 PHASE 8

NTOR

FACE #

INTERVALS

DETECTORS

PROGRAM

COORDINATION TYPE - CLOSED LOOP

PERMITS

SYSTEM LOC

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

PRE-EMPTION TO BE INOPERATIVE DURING FLASH OPERATION

TIMINGS SHOWN ARE FOR FREE OPERATION

ACTUAL TIMINGS TO BE DETERMINED BY MASTER

ENERGY BY - CITY

METER # -

SIGNAL FACES

CIRCULAR RED INDICATIONS TO HAVE LED LAMPS

TOWN SIGNAL

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

BUR. OF ENGINEERING & HWY. OPERATIONS

DIVISION OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

CITY OF WATERBURY

BANK STREET AT WEST LIBERTY STREET

REV #

TRAFFIC

DATE

ELECTRICAL

DATE

ENGINEER

DRAFTER

CHECKED BY

SUBMITTED BY

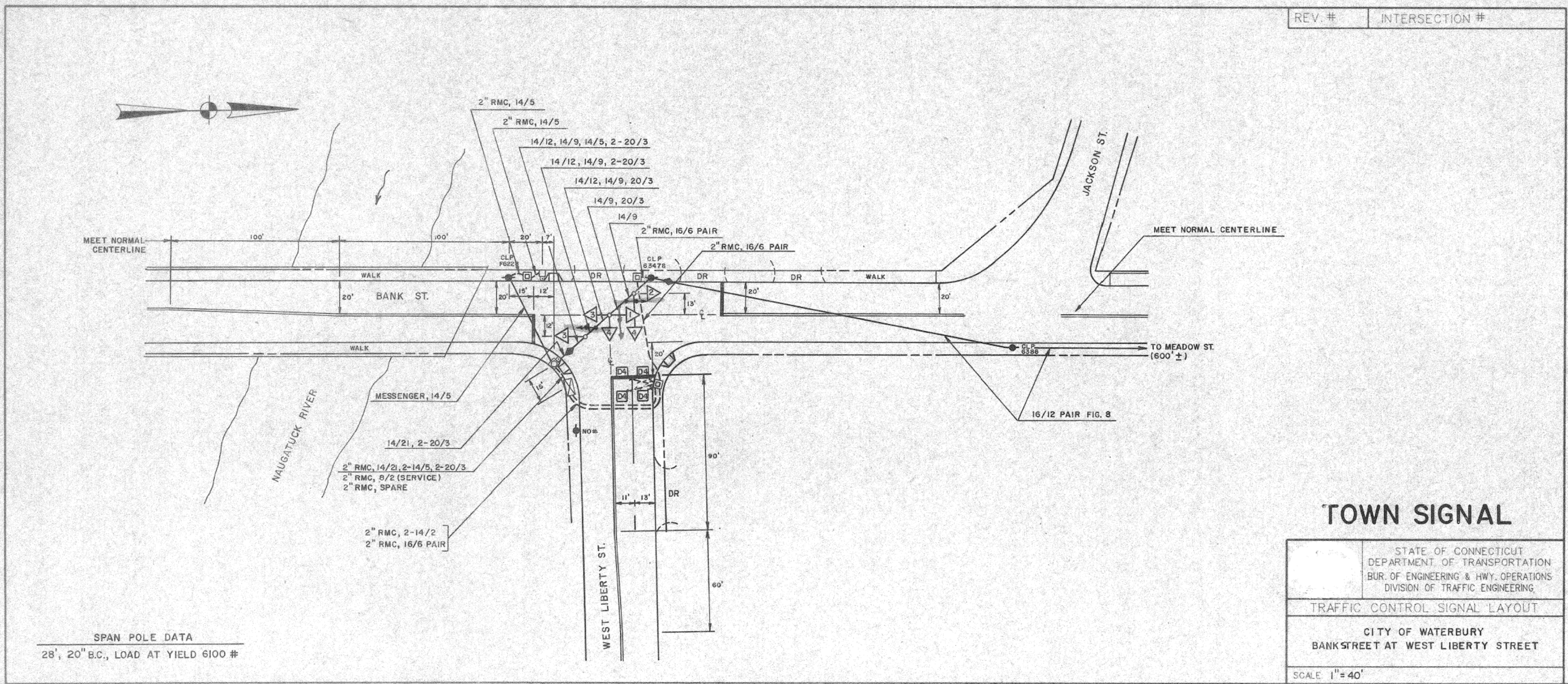
APPROVED BY

DATE

F.H.W.A. REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.							

CONSTRUCTION NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FORM 814A, STANDARD DETAIL SHEETS AND ALL ADDENDA SUBJECT THERETO.
- STAKE ALL R.O.W. IN VICINITY OF WORK TO BE PERFORMED PRIOR TO EXCAVATION.
- REPLACE ENTIRE SECTION OF SIDEWALK DAMAGED DUE TO INSTALLATION OF CCNDUIT, HANDHOLE OR FOUNDATION.
- ALL LOOP DETECTORS SHALL BE CENTERED IN TRAVEL LANE 8 FEET APART.
- INSTALL HANDHOLES APPROXIMATELY 1' BEHIND CURB.
- INSTALL R.M.C. STAND-OFFS ON ALL UTILITY POLES.
- CABINET DOOR TO OPEN STREET SIDE.
- INSTALL ALL FOUNDATIONS IN WALK AT BACK EDGE.
- OPTICAL DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUSLY BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.
- THE PRE-EMPTION IS TO WORK THROUGH THE INTERNAL PRE-EMPTION OF THE TRAFFIC CONTROLLER.
- OPTICAL DETECTOR LOCATIONS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR AN AUTHORIZED REPRESENTATIVE.

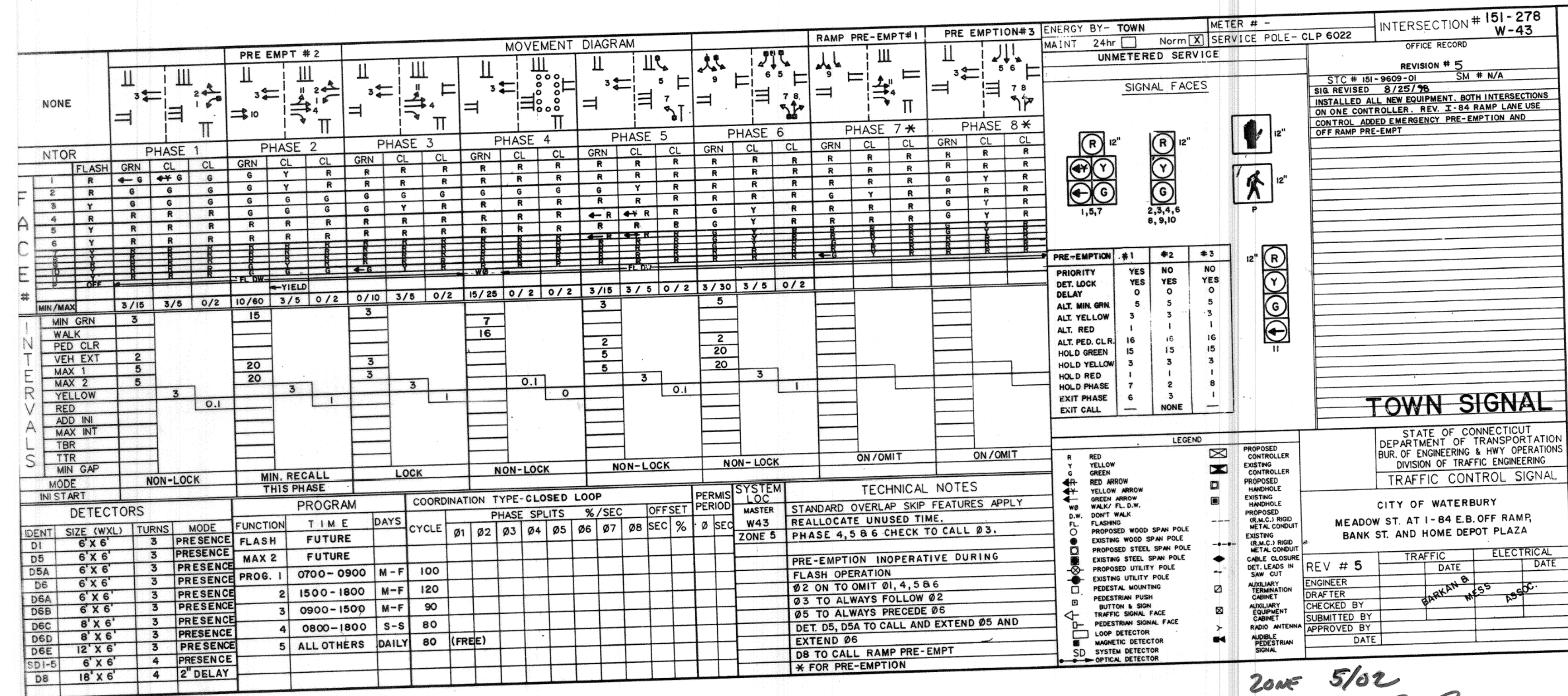


Acc. 22196 22-2-4 2025/5/4

FOR INFORMATION ONLY

DESIGNER/DRAFTER:	CHECKED BY:	SIGNATURE BLOCK:	PROJECT TITLE:	TOWN(S):	DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
			REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	WATERBURY	F.I.O. - Bank Street at West Liberty Street	0151-0340	FIO-01
							07.61

LASTED SAVED BY: seperack FILE NAME: \\blcompanies.com\dfs\proj\J08522\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Traffic\Contract_Plans\TR_CP_0151-0340_SIGNAL_For_Information_Only.dgn PLOTTED DATE: 7/16/2025



SIGNATURE BLOCK: 	 CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP	TOWN(S): WATERBURY	DRAWING TITLE: F.I.O. - Meadow St at I-84 EB Off Ramp, Bank St, Plaza Dr	PROJECT NO.: 0151-0340	DRAWING NO.: FIO-02
						SHEET NO.: 07.62
DESIGNER/DRAFTER: CHECKED BY:	LASTED SAVED BY: sseperack FILE NAME: \\blcompanies.com\dfs\proj\JOBS2\14\2201557\+ASSIGNMENTS\01_0151-0340-Waterbury\DGN\Traffic\Contract_Plans\TR_CP_0151-0340_SIGNAL_For_Information_Only.dgn PLOTTED DATE: 7/14/2025					

F.H.W.A. REGION NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	WATERBURY	STPO-715(2)	151-269	1997	-	31	47

CONSTRUCTION NOTES

THE FOLLOWING NOTES APPLY TO WORK TO BE INCLUDED UNDER STATE PROJECT 151-269; FAP #STPO-715(2):

- ALL NEW MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL CONFORM TO THE FORM 814A AND AS AMENDED. ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED BELOW.
 - PRIOR TO ANY EXCAVATION (IF SO SPECIFIED), THE CONTRACTOR SHALL STAKE THE R.O.W. AND VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES.
 - ALL NEW CABLING WHERE SPECIFIED SHALL BE INSTALLED WITHOUT SPLICES.
 - SPAN WIRE, IF SPECIFIED, SHALL BE 3/8", 120 DIA. EXTRA STRENGTH 15,400 LBS. MAXIMUM BREAKING STRENGTH.
 - CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" PRIOR TO ANY EXCAVATION (1-800-922-4455).
 - ALL WORK TO BE COORDINATED WITH THE CITY OF WATERBURY - TRAFFIC ENGINEERING DIVISION.
 - THE CONTRACTOR WILL SCHEDULE HIS CONSTRUCTION WORK SO THAT POSITIVE TRAFFIC CONTROL (STOP SIGNS, TEMPORARY SIGNALS, ETC.) ARE IN PLACE AND OPERATIONAL AT ALL TIMES.
 - ALL NEW OR MODERNIZED OR MODIFIED TRAFFIC SIGNALS, WHERE SPECIFIED, SHALL BE HUNG SO THAT A VERTICAL CLEARANCE OF 16' (4.88 METERS) TO 17' (5.2 METERS) IS MAINTAINED BETWEEN THE FINAL ROADWAY SURFACE AND THE BOTTOM OF THE SIGNALS.
 - THE STANDARD CITY APPROVED EMERGENCY VEHICLE PRE-EMPT RECEIVER(S) SHALL BE MOUNTED AT THE LOCATION SHOWN AND/OR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE LOCATION OF THE DETECTOR(S) SHALL BE APPROVED BY A REPRESENTATIVE OF THE MANUFACTURER PRIOR TO PLACING INTO OPERATION. A SEPARATE 20/3 CABLE SHALL BE INSTALLED (UNSPliced) DIRECTLY TO THE CONTROLLER CABINET.
 - WHEN AND WHERE SPECIFIED, THE CONTRACTOR SHALL INSTALL THE PAINTED PAVEMENT MARKINGS AND SIGNING AS SHOWN ON THE PLAN AND AS APPROVED BY THE CITY OF WATERBURY.
 - WHERE AND WHEN SPECIFIED, INSTALL RMC STAND-OFFS ON ALL UTILITY POLES.
 - CONTACT BELOW NOTED UTILITY COMPANY REPRESENTATIVES A MINIMUM OF TWO (2) WEEKS PRIOR TO CONSTRUCTION.
 - IF SPECIFIED, INSTALL TRAFFIC SIGNAL CABLE CLOSURE ON SPAN 5'± FROM THE CURBLINE.
 - THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE AND PROPERLY SCHEDULE ALL ELEMENTS OF HIS WORK. ALL WORK SHALL BE STAKED OUT AND APPROVED BY THE CITY PROJECT REPRESENTATIVE, PRIOR TO CONSTRUCTION.
 - ALL TRAFFIC SIGNAL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WATERBURY AND CONNDOT'S STANDARD INSTALLATION DETAIL SHEETS.
 - THE CONTRACTOR IS ADVISED THAT THE TIMING INFORMATION SHOWN IS SUBJECT TO CHANGE BY THE CITY OF WATERBURY PRIOR TO ACCEPTANCE.
 - ANY SALVAGED EQUIPMENT, WHERE SPECIFIED, SHALL BE DELIVERED TO THE CITY OF WATERBURY.
 - IF DAMAGED DUE TO THE CONTRACTOR'S WORK ON THIS PROJECT, THE CONTRACTOR SHALL REPLACE THE ENTIRE SECTION OF CONCRETE SIDEWALK -- TO THE NEAREST JOINT.
 - ALL EMERGENCY VEHICLE TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM EQUIPMENT FURNISHED AND INSTALLED UNDER THIS PROJECT SHALL BE FULLY COMPATIBLE WITH THE CITY OF WATERBURY EXISTING EMERGENCY VEHICLE PRE-EMPT SYSTEM.
 - UNDER THIS PROJECT, THE CONTRACTOR SHALL SUPPLY, FURNISH, INSTALL, AND MAKE FULLY OPERATIONAL THE FOLLOWING TRAFFIC CONTROL ITEMS:
 - MODIFICATION OF EXISTING CONTROLLER SHALL INCLUDE THE FURNISHING AND INSTALLATION OF A WATERBURY STANDARD PRE-EMPT PANEL AND ASSOCIATED WIRING, IN THE EXISTING CONTROLLER CABINET.
- THE CONTRACTOR SHALL ALSO FURNISH AND INSTALL THE FOLLOWING; PRE-EMPTION ITEMS:
- 1 EA. PHASE SELECTOR
 - 1 EA. PRE-EMPTION SYSTEM CHASSIS
- TWO (2) TYPE "A" OPTICAL DETECTORS, WITH UNSPLICED 20/3 CABLE TO PRE-EMPT PANEL IN CONTROLLER.
 - REVISE VEHICLE EXTENSION FOR PHASES 2 AND 4.

UTILITY/PROJECT CONTACTS
 CITY/POLICE: Sgt. John Hyland, (203) 577-6820
 CITY/ENGINEERING: Ernie Phillips PE, (203) 574-6850
 SNE: Bob Boufford, (800) 748-1693
 NORTHEAST UTIL.: Jim Harkin, (203) 597-4339
 DESIGNER: John P. Thompson PE, (203) 271-1773

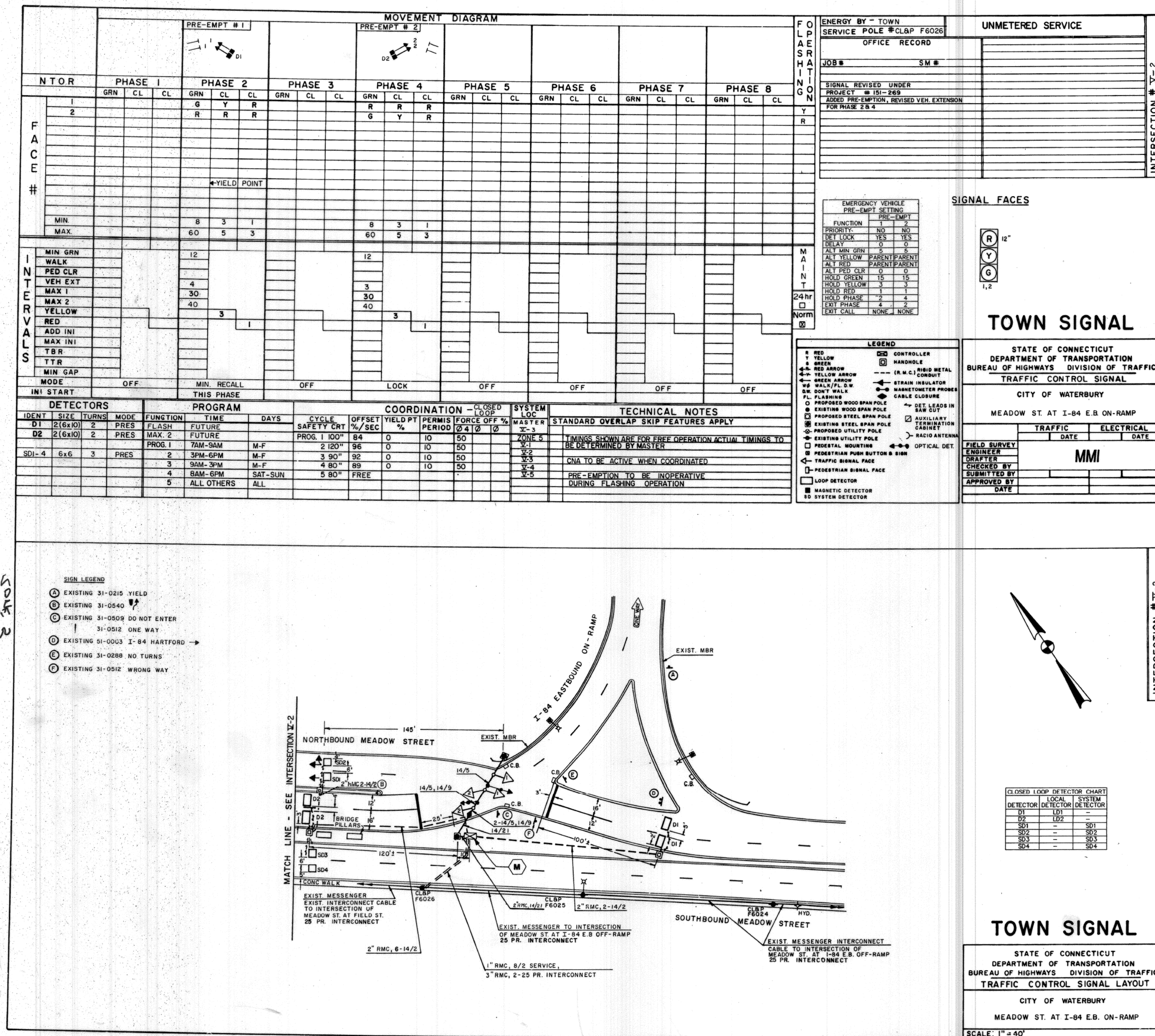
CONNECTICUT
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF HIGHWAYS
 DIVISION OF TRAFFIC

TRAFFIC CONTROL SIGNAL
 V-2

Zone
 5/03

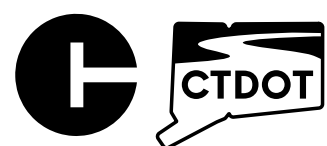
AGC. 22195 22-2-3

FOR INFORMATION ONLY



SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:



CONNECTICUT
 DEPARTMENT OF
 TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

TOWN(S):

WATERBURY

DRAWING TITLE:

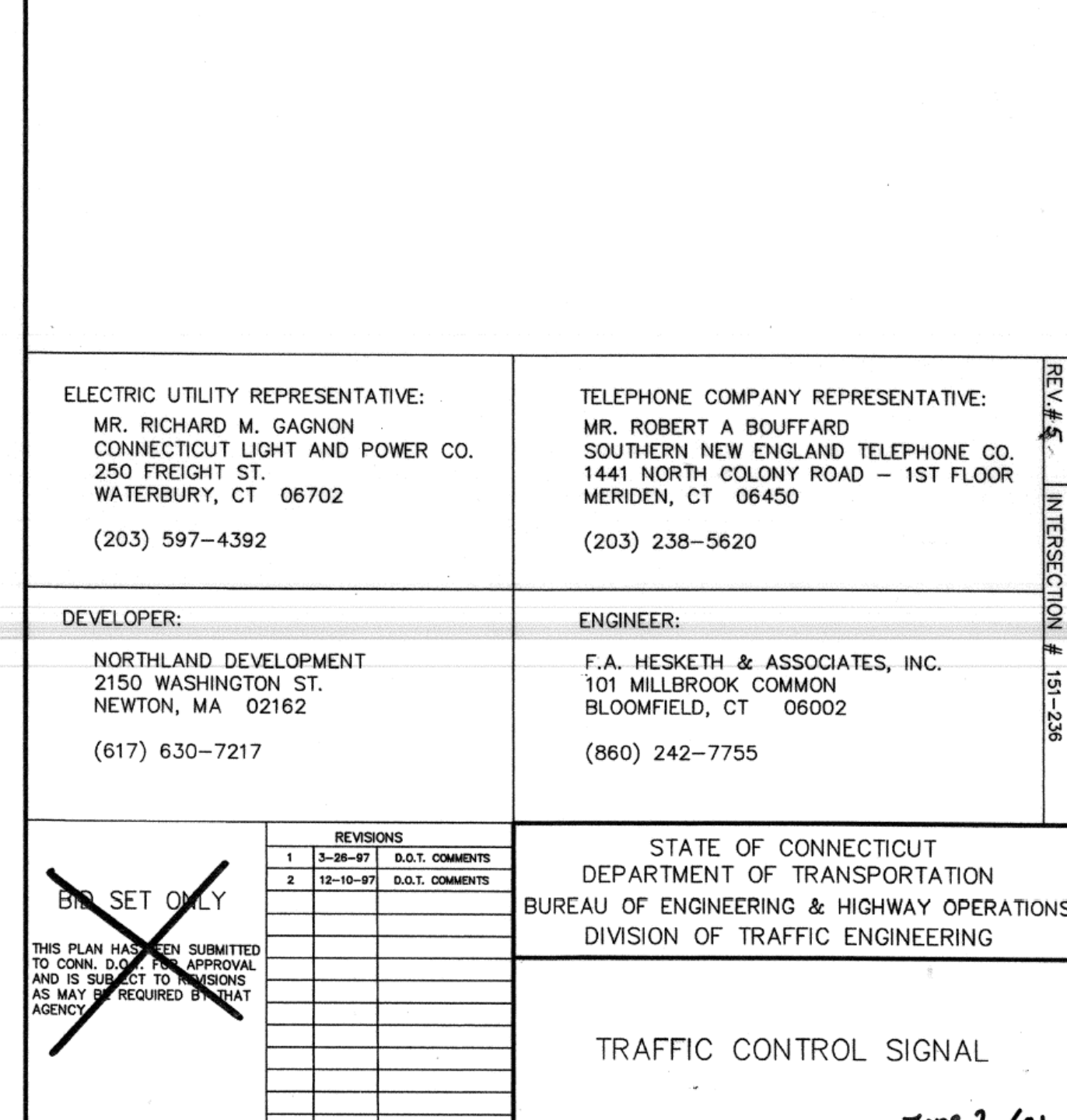
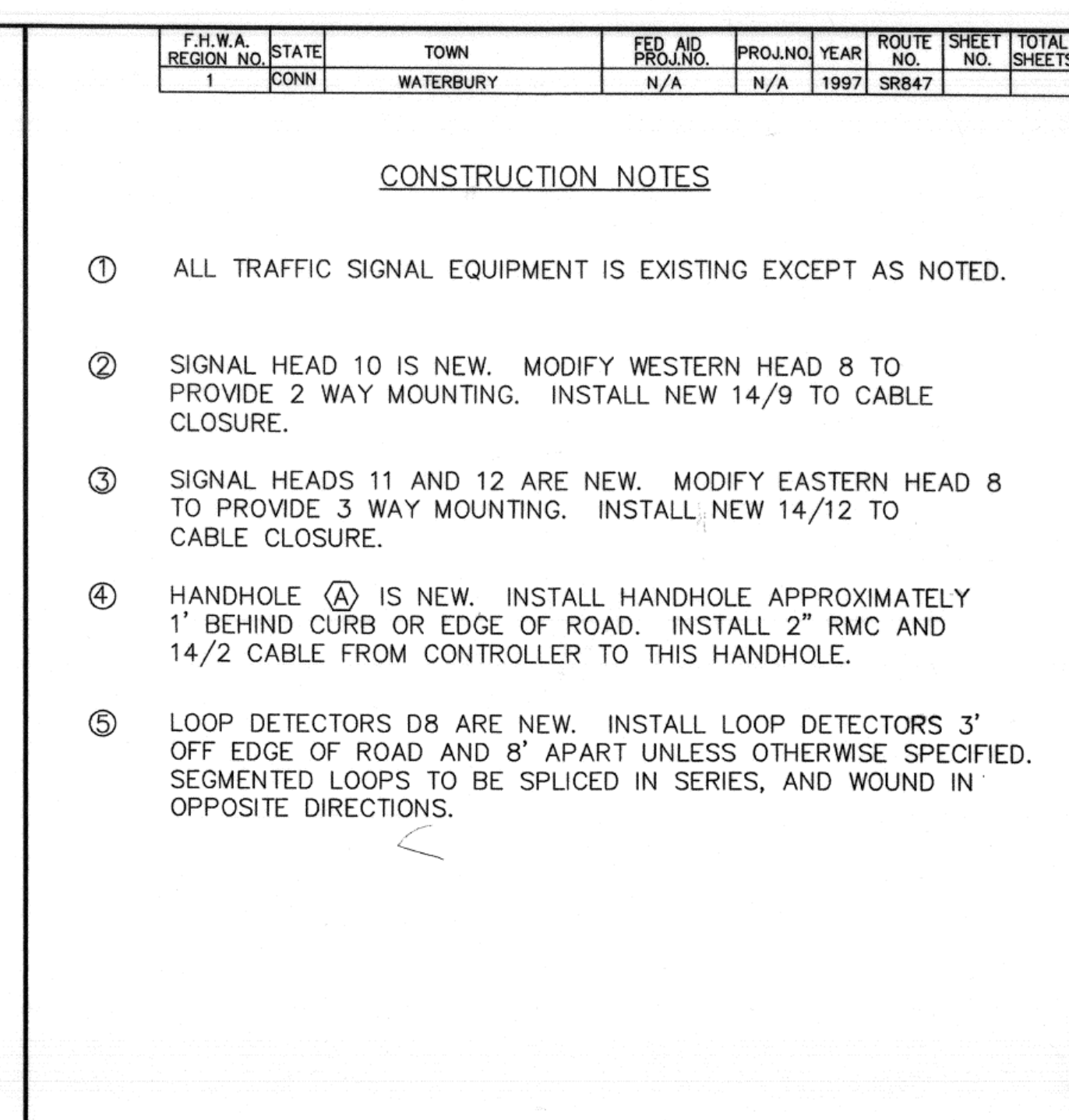
F.I.O. - Meadow Street at
 I-84 EB On-Ramp

PROJECT NO.:

0151-0340

DRAWING NO.:

FIO-03
 SHEET NO. 07.63



[illegible][illegible]

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.

CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" PRIOR TO

PULL EXISTING CABLES FROM EXISTING CONTROLLER INTO NEAREST HANDHOLE.
RECONNECT CABLES TO NEW CONTROLLER.

INSTALL NEW CONTROLLER IN NEW CABINET ON NEW FOUNDATION PER SPECIFICATION. LOCATION TO BE FIELD ADJUSTED. CABINET DOOR TO OPEN FIELD SIDE.

REMOVE ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

CONTRACTOR SHALL PROVIDE TEMPORARY SIGNALIZATION AT THIS INTERSECTION
UNDER ITEM NO. 1118077A - TEMPORARY SIGNALIZATION.

CONTRACTOR SHALL PROGRAM NEW SIGNAL PHASING AND TIMING AS SHOWN ON THE PLAN.

 INSTALL 30"X30" HANDHOLE. ALL OTHERS TO BE TYPE II.

Q VIDEO DETECTION BY 360 DEGREE CAMERA

Ⓜ MODIFY HANDHOLE TO ACCEPT NEW CONDUIT.

VIDEO DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR THEIR DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.

INSTALL LOOP DETECTORS 3' OFF EDGE OF ROAD AND 8' APART UNLESS OTHERWISE SPECIFIED.

SERIES SPLICE SEGMENTED LOOPS PER LANE, SEPARATE SAWCUTS TO HANDHOLE.

CLEAN EXISTING CONDUITS TO BE REUSED, WORK TO BE PAID UNDER
ITEM# 1008908A - CLEAN EXISTING CONDUIT.

CLEAN EXISTING HANDHOLES TO BE REUSED, WORK TO BE PAID UNDER
ITEM# 1010060A - CLEAN EXISTING HANDHOLE.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

CONTRACTOR TO INSTALL A SWITCH IN THE SIGNAL CABINET TO EFFECTIVELY DISCONNECT THE PRE-EMPTION EQUIPMENT FROM THE TRAFFIC SIGNAL CONTROLLER.

REV #	INTERSECTION #151-195 W30				
	PRE-EMPTION SETTINGS			QUEUE DETECTOR	
	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3	PRE-EMPT 4	
PRIORITY	NO	NO	NO	NO	
ST. LOCK	YES	YES	YES	NO	
ST. LAY	0	0	0	0	
ST. MIN. GRN	5	5	5	5	
ST. YELLOW	PARENT	PARENT	PARENT	PARENT	
ST. RED	PARENT	PARENT	PARENT	PARENT	
ST. PED. CLR.	PARENT	PARENT	PARENT	PARENT	
OLD GREEN	15	15	15	15	
OLD YELLOW	3.2	3.2	3.2	3.2	
OLD RED	1.7	1.7	1.0	1.0	
OLD PHASE 1	2	5	5	5	
ST PHASE	2	5	2	2	
ST CALL	NONE	NONE	NONE	NONE	

TOWN SIGNAL

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION BUR. OF ENGINEERING & HWY. OPERATIONS DIVISION OF TRAFFIC ENGINEERING
TRAFFIC CONTROL SIGNAL LAYOUT
CITY OF WATERBURY ROUTE 847 (SOUTH MAIN ST.) AT McMAHON ST., AND MARKET SQUARE I-84 E.B. OFF RAMP
SCALE 1"=40'

NEW SHEET ADDED BY DESIGN
CHANGE ORDER NO. 20 - 12/21/22

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING & HIGHWAY OPERATIONS
DIVISION OF TRAFFIC ENGINEERING

TRAFFIC CONTROL SIGNAL

REV	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:	 By Commission on Government Policy of the General Assembly
DESIGNER/DRAFTER:	CHECKED BY:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REMOVAL OF I-84 EASTBOUND EXIT 21 OFF-RAMP

WATERBURY

DRAWING TITLE:

**F.I.O. - SR 847 (South Main St)
at McMahon St, I-84 EB Off
Ramp and Market Square**

PROJECT NO.:
0151-0340

DRAWING NO.:
FIO-08

SHEET NO.:
07.68

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PLOTTED DATE: 7/16/2025

FOR INFORMATION ONLY