04-TRAFFIC
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
IDX-02	INDEX OF DRAWINGS		
SPM-01 TO SPM-03	SIGNING, PAVEMENT MARKING AND RAILROAD DEVICE PLANS		
DTR-01 TO DTR-02	DETOUR PLANS		
TCS-01	TRAFFIC SIGNAL PLAN - INT #099-203		
TR-GS_01 TO TR-GS_03	TRAFFIC GUIDE SHEETS		

DESIGNED BY:
KWH ENTERPRISE, LLC
277 RESERVOIR AVENUE
SUITE 1101
MERIDEN, CT 06451

STATE OF CONNECTICUT
KERMIT W. HUA
LICENSED
PROFESSIONAL ENGINEER
No. 31391

Kermit Hua
I sign and certify plans SPM-01 to SPM-03, DTR-01 to DTR-02, and TR-GS_01 to TR-GS_03
2019.06.20
10:31:42-04'00'

DESIGNED BY:
BL COMPANIES

BL Companies
BL COMPANIES, INC.,
355 RESEARCH PARKWAY
MERIDEN, CT 06450

STATE OF CONNECTICUT
MICHAEL W. DION
No. 23758
LICENSED
PROFESSIONAL ENGINEER

Michael Dion
I am signing for plan TCS-01
2019.06.20
12:16:09-04'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

Plotted Date: 5/30/2019

DESIGNER/DRAFTER: **K.W.H.**
CHECKED BY: **K.W.H.**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_IDX-02.dgn

SIGNATURE/
BLOCK:

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

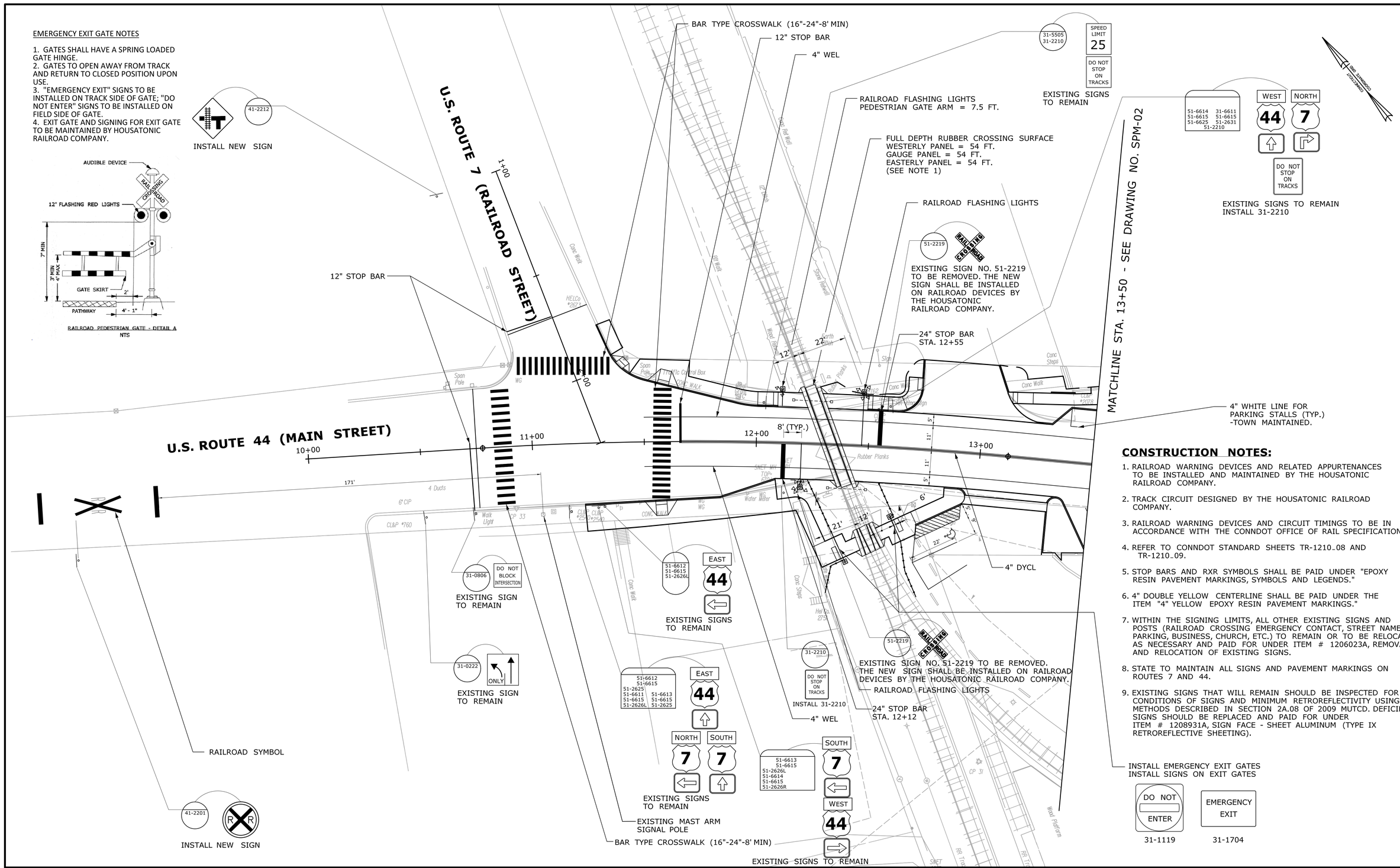
DRAWING TITLE: **INDEX OF DRAWINGS**

PROJECT NO. **99-144/115**
DRAWING NO. **IDX-02**
SHEET NO. **04.01**

EMERGENCY EXIT GATE NOTES

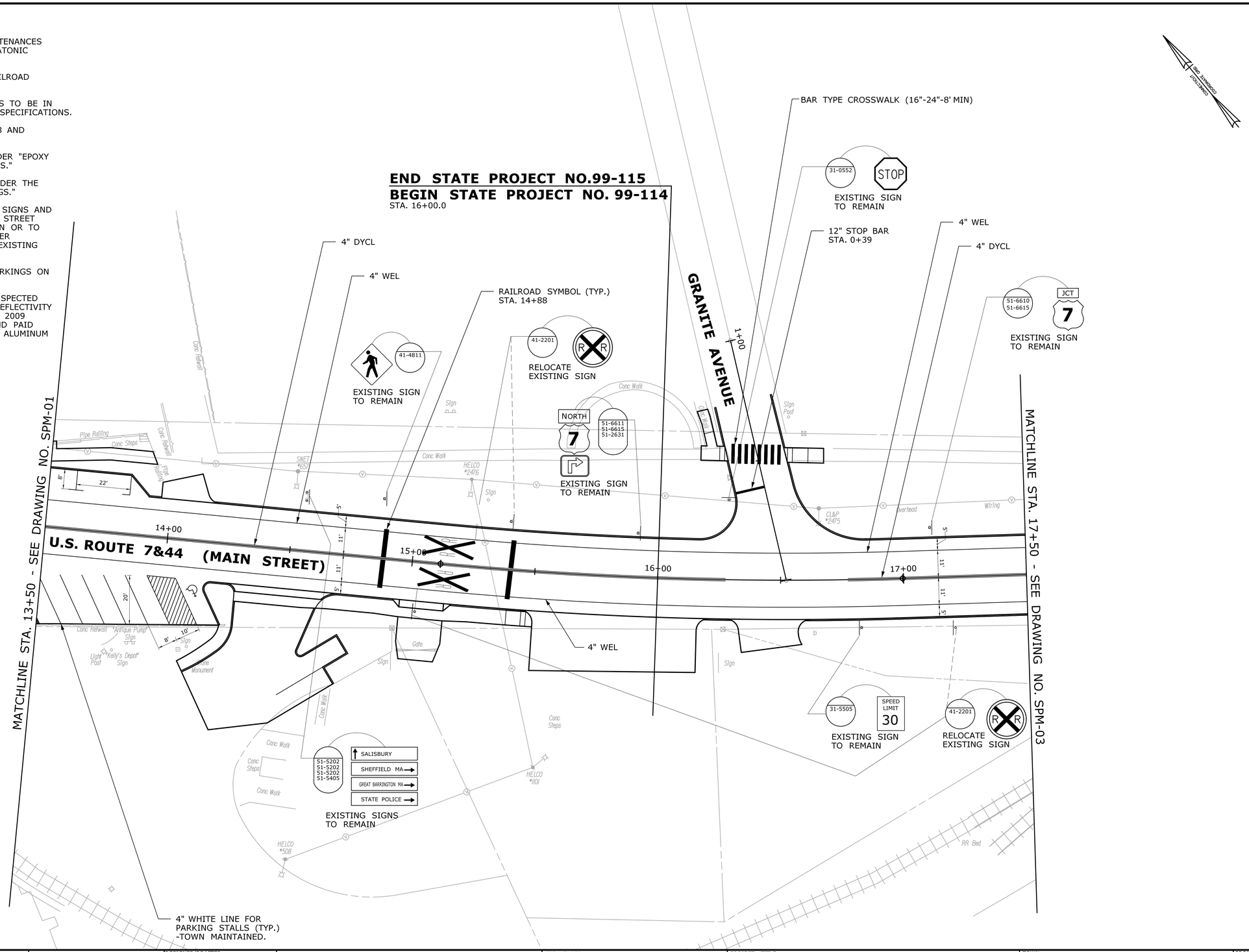
1. GATES SHALL HAVE A SPRING LOADED GATE HINGE.
2. GATES TO OPEN AWAY FROM TRACK AND RETURN TO CLOSED POSITION UPON USE.
3. "EMERGENCY EXIT" SIGNS TO BE INSTALLED ON TRACK SIDE OF GATE; "DO NOT ENTER" SIGNS TO BE INSTALLED ON FIELD SIDE OF GATE.
4. EXIT GATE AND SIGNING FOR EXIT GATE TO BE MAINTAINED BY HOUSATONIC RAILROAD COMPANY.

RAILROAD PEDESTRIAN GATE - DETAIL A
NTS


41-2212
INSTALL NEW SIGN
U.S. ROUTE 7 (RAILROAD STREET)
U.S. ROUTE 44 (MAIN STREET)
1+00
10+00
11+00
12+00
13+00
12" STOP BAR
BAR TYPE CROSSWALK (16"-24"-8' MIN)
12" STOP BAR
4" WEL
31-5505
31-2210
SPEED LIMIT 25
DO NOT STOP ON TRACKS
EXISTING SIGNS TO REMAIN
RAILROAD FLASHING LIGHTS
PEDESTRIAN GATE ARM = 7.5 FT.
FULL DEPTH RUBBER CROSSING SURFACE
WESTERLY PANEL = 54 FT.
GAUGE PANEL = 54 FT.
EASTERLY PANEL = 54 FT.
(SEE NOTE 1)
RAILROAD FLASHING LIGHTS
51-2219
EXISTING SIGN NO. 51-2219 TO BE REMOVED. THE NEW SIGN SHALL BE INSTALLED ON RAILROAD DEVICES BY THE HOUSATONIC RAILROAD COMPANY.
24" STOP BAR
STA. 12+55
MATCHLINE STA. 13+50 - SEE DRAWING NO. SPM-02
51-6614 31-6611
51-6615 51-6615
51-6625 51-2631
51-2210
WEST 44
NORTH 7
DO NOT STOP ON TRACKS
EXISTING SIGNS TO REMAIN
INSTALL 31-2210
4" WHITE LINE FOR PARKING STALLS (TYP.)
-TOWN MAINTAINED.
8' (TYP.)
171'
4 Ducts
6" CIP
CL&P #760
Walk Light
CP 33
Span Pole
Traffic Control Box
Conc Walk
Conc Steps
Rubber Planks
Wood Platform
Water Meter
Sign
Wood Rail
Stone Retaining Wall
Wood Rail
Wood Rail
Conc Wall
Wood Rail
Wood Rail
Wood Rail

CONSTRUCTION NOTES

1. RAILROAD WARNING DEVICES AND RELATED APPURTENANCES TO BE INSTALLED AND MAINTAINED BY THE HOUSATONIC RAILROAD COMPANY.
2. TRACK CIRCUIT DESIGNED BY THE HOUSATONIC RAILROAD COMPANY.
3. RAILROAD WARNING DEVICES AND CIRCUIT TIMINGS TO BE IN ACCORDANCE WITH THE CONNDOT OFFICE OF RAIL SPECIFICATIONS.
4. REFER TO CONNDOT STANDARD SHEETS TR-1210_08 AND TR-1210_09.
5. STOP BARS AND RXR SYMBOLS SHALL BE PAID UNDER "EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS."
6. 4" DOUBLE YELLOW CENTERLINE SHALL BE PAID UNDER THE ITEM "4" YELLOW EPOXY RESIN PAVEMENT MARKINGS."
7. WITHIN THE SIGNING LIMITS, ALL OTHER EXISTING SIGNS AND POSTS (RAILROAD CROSSING EMERGENCY CONTACT, STREET NAME, PARKING, BUSINESS, CHURCH, ETC.) TO REMAIN OR TO BE RELOCATED AS NECESSARY AND PAID FOR UNDER ITEM # 1206023A, REMOVAL AND RELOCATION OF EXISTING SIGNS.
8. STATE TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON ROUTES 7 AND 44.
9. EXISTING SIGNS THAT WILL REMAIN SHOULD BE INSPECTED FOR CONDITIONS OF SIGNS AND MINIMUM RETROREFLECTIVITY USING METHODS DESCRIBED IN SECTION 2A.08 OF 2009 MUTCD. DEFICIENT SIGNS SHOULD BE REPLACED AND PAID FOR UNDER ITEM # 1208931A, SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING).



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

Plotted Date: 6/18/2019

DESIGNER/DRAFTER: **K.W.H.**
CHECKED BY: **K.W.H.**
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_SPM_0099_0114-0115_SPM-02.dgn

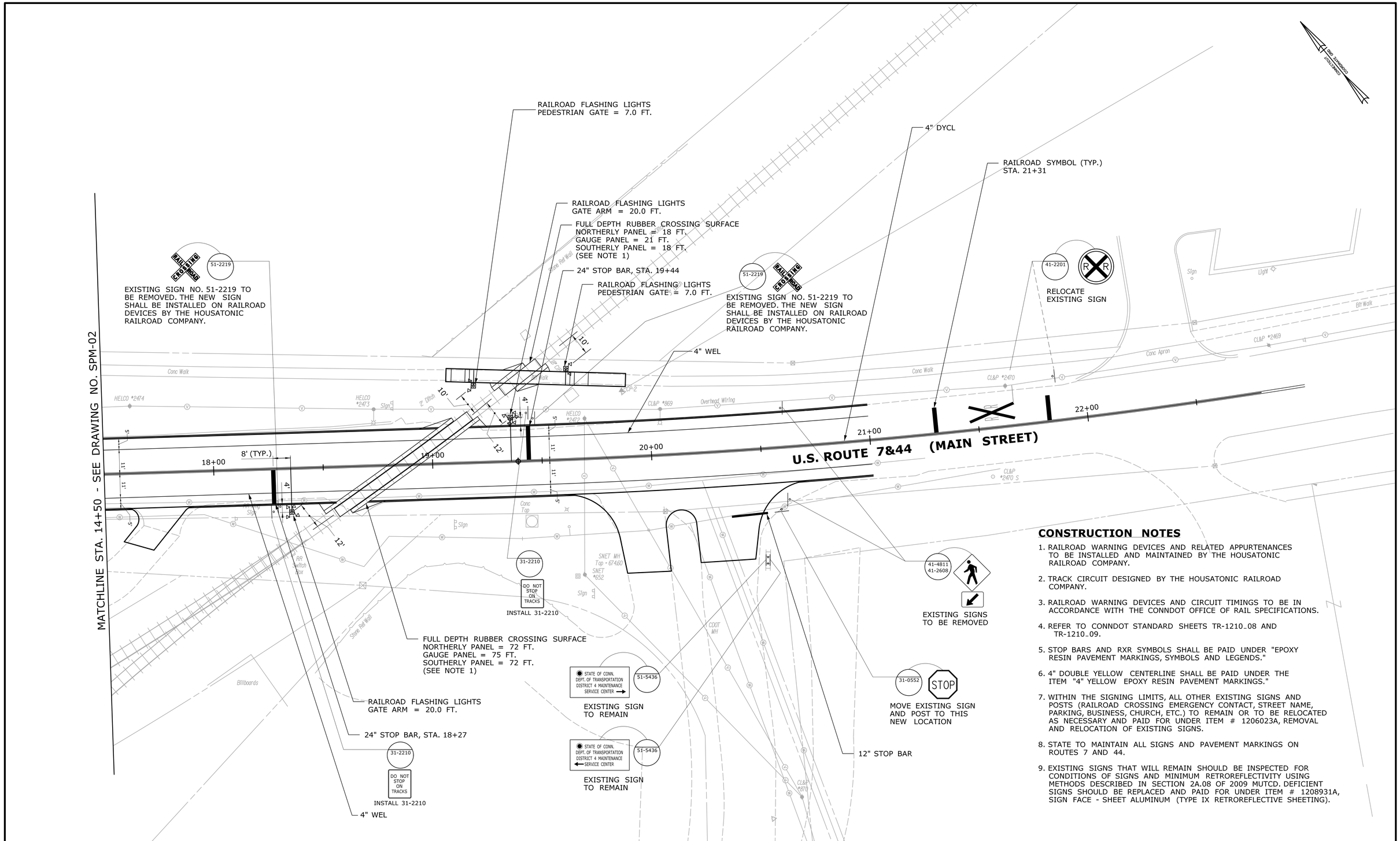
SIGNATURE/BLOCK:
KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **SIGNING, PAVEMENT MARKING AND RAILROAD DEVICE PLAN**

PROJECT NO. **99-114/115**
DRAWING NO. **SPM-02**
SHEET NO. **04.03**



CONSTRUCTION NOTES

1. RAILROAD WARNING DEVICES AND RELATED APPURTENANCES TO BE INSTALLED AND MAINTAINED BY THE HOUSATONIC RAILROAD COMPANY.
2. TRACK CIRCUIT DESIGNED BY THE HOUSATONIC RAILROAD COMPANY.
3. RAILROAD WARNING DEVICES AND CIRCUIT TIMINGS TO BE IN ACCORDANCE WITH THE CONNDOT OFFICE OF RAIL SPECIFICATIONS.
4. REFER TO CONNDOT STANDARD SHEETS TR-1210_08 AND TR-1210_09.
5. STOP BARS AND RXR SYMBOLS SHALL BE PAID UNDER "EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS."
6. 4" DOUBLE YELLOW CENTERLINE SHALL BE PAID UNDER THE ITEM "4" YELLOW EPOXY RESIN PAVEMENT MARKINGS."
7. WITHIN THE SIGNING LIMITS, ALL OTHER EXISTING SIGNS AND POSTS (RAILROAD CROSSING EMERGENCY CONTACT, STREET NAME, PARKING, BUSINESS, CHURCH, ETC.) TO REMAIN OR TO BE RELOCATED AS NECESSARY AND PAID FOR UNDER ITEM # 1206023A, REMOVAL AND RELOCATION OF EXISTING SIGNS.
8. STATE TO MAINTAIN ALL SIGNS AND PAVEMENT MARKINGS ON ROUTES 7 AND 44.
9. EXISTING SIGNS THAT WILL REMAIN SHOULD BE INSPECTED FOR CONDITIONS OF SIGNS AND MINIMUM RETROREFLECTIVITY USING METHODS DESCRIBED IN SECTION 2A.08 OF 2009 MUTCD. DEFICIENT SIGNS SHOULD BE REPLACED AND PAID FOR UNDER ITEM # 1208931A, SIGN FACE - SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING).

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

Plotted Date: 6/18/2019

DESIGNER/DRAFTER: **K.W.H.**
CHECKED BY: **K.W.H.**
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_SPM_0099_0114-0115_SPM-03.dgn

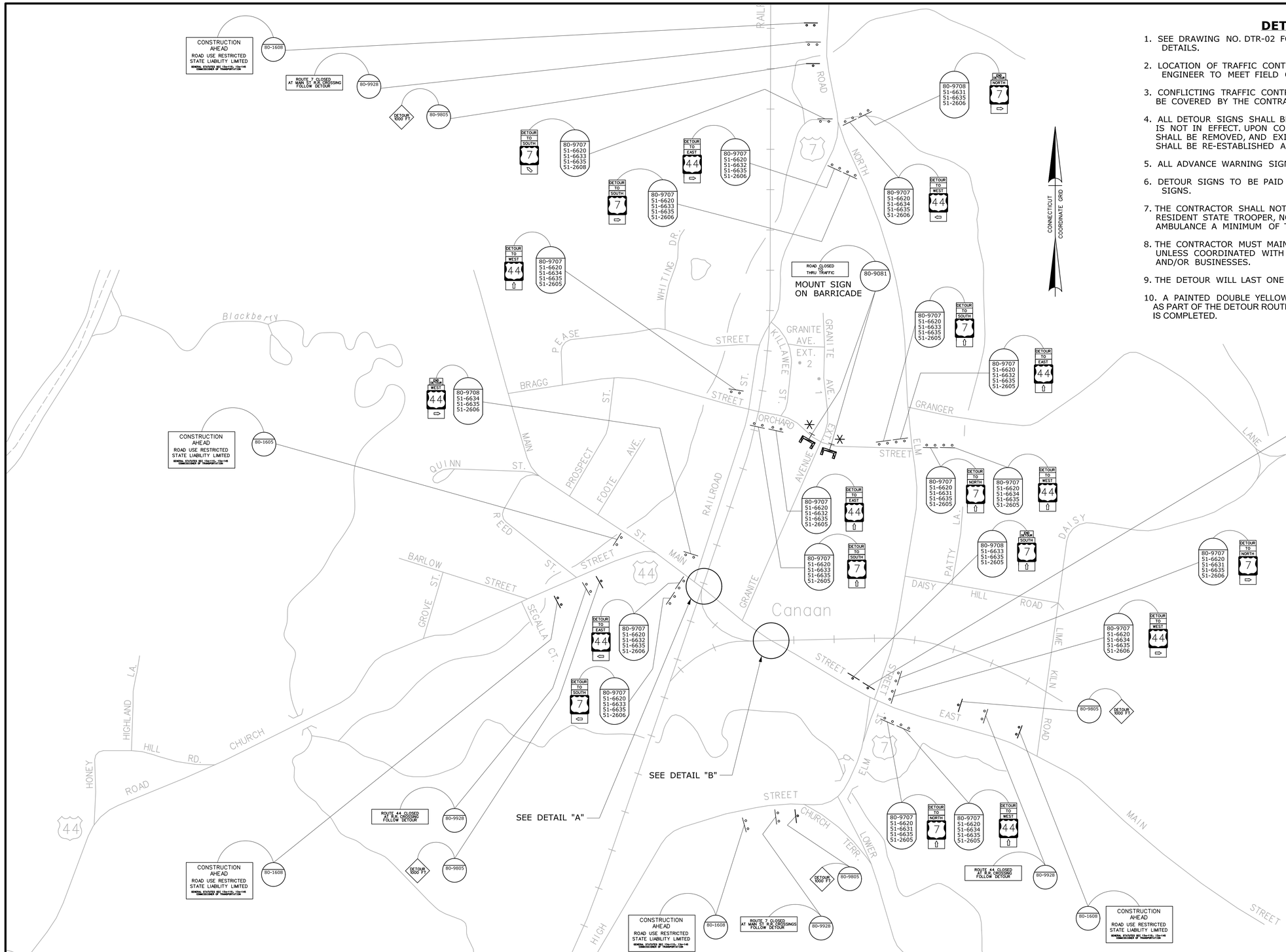
SIGNATURE/ BLOCK:
KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **SIGNING, PAVEMENT MARKING AND RAILROAD DEVICE PLAN**

PROJECT NO. **99-114**
DRAWING NO. **SPM-03**
SHEET NO. **04.04**



DETOUR NOTES

1. SEE DRAWING NO. DTR-02 FOR SIGN LEGEND AND RAILROAD CROSSING DETAILS.
2. LOCATION OF TRAFFIC CONTROL DEVICES CAN BE ADJUSTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
3. CONFLICTING TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE COVERED BY THE CONTRACTOR.
4. ALL DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN THE DETOUR IS NOT IN EFFECT. UPON COMPLETION OF THE WORK, TEMPORARY SIGNS SHALL BE REMOVED, AND EXISTING TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE RE-ESTABLISHED AS DIRECTED BY THE ENGINEER.
5. ALL ADVANCE WARNING SIGNS TO BE POST MOUNTED.
6. DETOUR SIGNS TO BE PAID UNDER ITEM #1220027, CONSTRUCTION SIGNS.
7. THE CONTRACTOR SHALL NOTIFY NORTH CANAAN HIGHWAY DEPARTMENT, RESIDENT STATE TROOPER, NORTH CANAAN FIRE COMPANY AND NORTH CANAAN AMBULANCE A MINIMUM OF TWO WEEKS PRIOR TO INITIATING THE DETOUR.
8. THE CONTRACTOR MUST MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES UNLESS COORDINATED WITH THE ENGINEER AND AFFECTED PROPERTY OWNERS AND/OR BUSINESSES.
9. THE DETOUR WILL LAST ONE WEEK FOR WORK BY THE HOUSATONIC RAILROAD COMPANY.
10. A PAINTED DOUBLE YELLOW CENTER LINE SHALL BE INSTALLED ON NORTH ELM STREET AS PART OF THE DETOUR ROUTE, AND THE CENTERLINE SHALL REMAIN ONCE THE PROJECT IS COMPLETED.

SYMBOL LEGEND

- POST MOUNTED SIGN (1 METAL POSTS)
- POST MOUNTED SIGN (2 METAL POSTS)
- BARRICADE MOUNTED SIGN
- CONSTRUCTION BARRICADE (TYPE III) WITH HIGH INTENSITY WARNING LIGHTS
- PORTABLE SIGN SUPPORT
- HIGH INTENSITY WARNING LIGHT (TWO FOR EACH BARRICADE)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

Plotted Date: 5/28/2019

DESIGNER/DRAFTER: **K.W.H.**
CHECKED BY: **K.W.H.**
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_DTR_0099_0114-0115_DTR-01.dgn

SIGNATURE/BLOCK:

KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

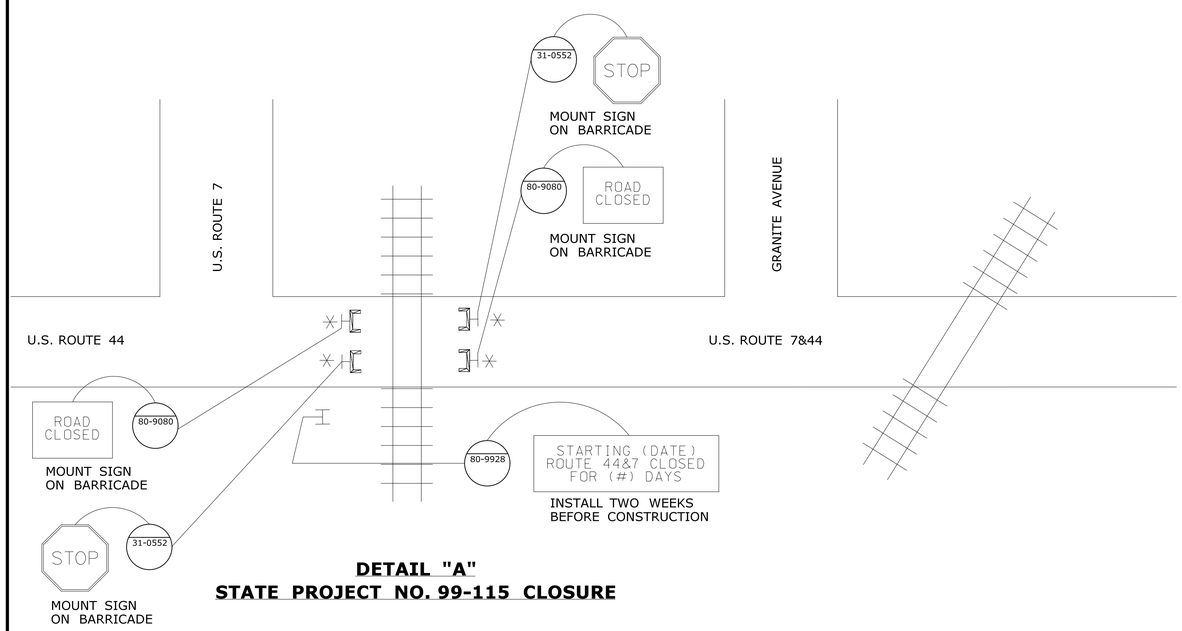
TOWN: **NORTH CANAAN**

DRAWING TITLE: **DETOUR PLAN**

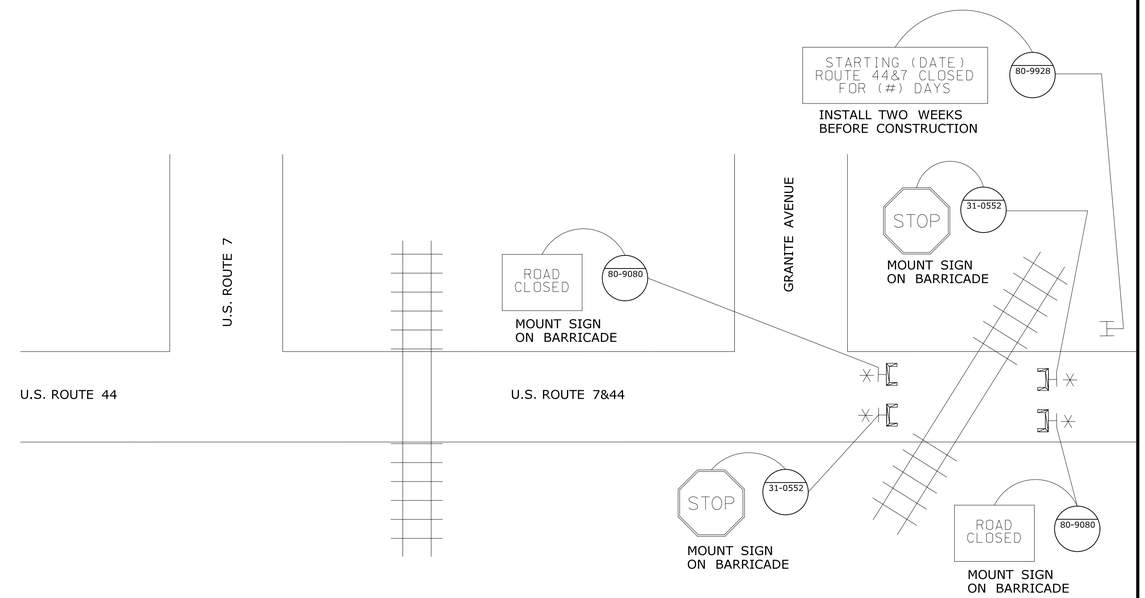
PROJECT NO. **99-114/115**
DRAWING NO. **DTR-01**
SHEET NO. **04.05**

SYMBOL LEGEND

- POST MOUNTED SIGN (1 METAL POSTS)
- POST MOUNTED SIGN (2 METAL POSTS)
- BARRICADE MOUNTED SIGN
- CONSTRUCTION BARRICADE (TYPE III) WITH HIGH INTENSITY WARNING LIGHTS
- PORTABLE SIGN SUPPORT
- HIGH INTENSITY WARNING LIGHT (TWO FOR EACH BARRICADE)



DETAIL "A"
STATE PROJECT NO. 99-115 CLOSURE



DETAIL "B"
STATE PROJECT NO. 99-114 CLOSURE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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.

Plotted Date: 5/28/2019

DESIGNER/DRAFTER: **K.W.H.**
CHECKED BY: **K.W.H.**
NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\TR_MSH_DTR_0099_0114-0115_DTR-02.dgn

SIGNATURE/BLOCK:
KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **DETOUR PLAN**

PROJECT NO. **99-114/115**
DRAWING NO. **DTR-02**
SHEET NO. **04.06**

MOVEMENT DIAGRAM

NTOR	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7 RR TRACK CLEAR O	PHASE 8 RR HOLD O
NONE								

FACE #		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	Y	R	R	R	R	R	R	R	R	R	R				R	R	R	G	G	G			
	2	Y				G	Y	R	R	R	R	R	R	R	R	R	R				G	Y	R	R	R	R			
	3	Y				G	G	G	← G	Y	R	R	R	R	R	R	R				R	R	R	R ←	R Y	R			
	4	Y				G	G	G	G	Y	R	R	R	R	R	R	R				R	R	R	R	R	R			
	5	R				R	R	R	R	R	R	R	R	R	G	Y	R				R	R	R	R	R	R			
	P	OFF				←		DW	→			WØ	←										DW						
		Ⓡ																											

INTERVALS	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MIN GRN		15	6		7		18	20
WALK				7				
PED CLR				13				
VEH EXT		3.0	1.5		2.0			
MAX 1		25	10		22		18	*
MAX 2		30	10		27		18	*
YELLOW		4.2	2.8	4.0	4.2		4.2	2.8
RED		1.0	1.0	0	1.1		1.0	7.2
ADD INIT								
MAX INIT								
TBR								
TTR								
MIN GAP								
MODE	OFF	MIN RECALL	NON-LOCK	NON-LOCK	NON-LOCK	OFF	ON/OMIT	ON/OMIT
INT START		THIS PHASE						

ACCESSIBLE PEDESTRIAN SIGNAL.

COUNTDOWN PEDESTRIAN SIGNAL

PRE-EMPTION 1 - FUTURE

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

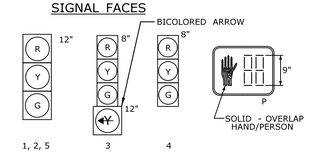
* INTERVAL TO BE DETERMINED BY PRESENCE OF TRAIN.

1. PHASE 3 ALWAYS TO FOLLOW PHASE 2 EXCEPT IF RAILROAD PRE-EMPTION.
2. CONSTROLLER SHALL IMMEDIATELY ADVANCE OUT OF ANY GREEN, INCLUDING MIN. GREEN INTO CLEARANCE INTERVALS GOING TO PRE-EMPTION, AND THEN GO DIRECTLY TO TRACK CLEAR PHASE (PHASE 7) DURING RAILROAD PRE-EMPTION.
3. WHEN RAILROAD PRE-EMPTION OCCURS DURING THE CLEARANCE INTERVAL OF ANY PHASE, THE CONTROLLER IS TO DROP THE NEXT CALL, FINISH TIMING THE CLEARANCE INTERVAL GOING TO PRE-EMPTION, AND THEN GO TO TRACK CLEAR PHASE.
4. PEDESTRIAN TIMING TO IMMEDIATELY ADVANCE OUT OF THE WALK PHASE AND PED. CLEARANCE INTERVAL INTO THE CLEARANCE INTERVAL TIMINGS GOING TO PRE-EMPTION, THEN GO DIRECTLY TO TRACK CLEAR PHASE.

OFFICE RECORD

REV #	TIR #	SM #	SIGNAL REVISED:
INSTALLED COUNTDOWN TIMER, ACCESSIBLE PEDESTRIAN SIGNALS, AND			
REVISED RAILROAD PRE-EMPTION AND PEDESTRIAN PHASE TIMING			
UNDER CTDOT PROJECT #99-114/115.			

SIGNAL FACES



SIGNAL FACES 1, 2, AND 5 HAVE LED LAMPS.

SIGNAL FACES 3 AND 4 HAVE INCADESCENT LAMPS.

PRE-EMPTION SETTINGS

	RAILROAD PRE-EMPT 1
PRIORITY	YES
DET. LOCK	NO
DELAY	0
ALT. MIN. GRN.	0
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	1
TRACK CLR. GRN.	18
TRACK CLR. YLW.	4.2
TRACK CLR. RED	1.0
TRACK CLR. PHASE	7
HOLD GREEN	20 *
HOLD YELLOW	2.8
HOLD RED	7.2
HOLD PHASE	8
EXIT PHASE	2
EXIT CALL	NONE

CONSTRUCTION NOTES

ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.

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

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

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

REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.

(J) INSTALL PEDESTAL, APS, AND COUNTDOWN PEDESTRIAN SIGNAL ON EXISTING PEDESTAL FOUNDATION.

(K) CONTRACTOR SHALL INSTALL A TOGGLE BOLT WITH A WASHER TO EFFECTIVELY SEAL THE HOLES LEFT IN THE SPAN POLE WHERE PEDESTRIAN SIGNAL OR PEDESTRIAN SIGNAL HOUSINGS ARE REMOVED.

(L) INSTALL PEDESTAL FOUNDATION, PEDESTAL, APS, AND COUNTDOWN PEDESTRIAN SIGNAL ADJACENT TO LANDING AREA.

(M) INSTALL APS AND COUNT PEDESTRIAN SIGNAL ON EXISTING SPAN POLE.

(U) LOCATE EXISTING RIGID METAL CONDUIT AND EXTEND INTO NEW HANDHOLE.

(V) MODIFY EXISTING CONTROLLER FOUNDATION TO ACCEPT NEW 2.5" RMC.

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

(X) INSTALL CAST IRON HANDHOLE COVER.

CLEAN EXISTING CONDUIT TO BE REUSED. WORK TO BE PAID UNDER ITEM 1008908A.

CLEAN EXISTING HANDHOLES TO BE REUSED. WORKED TO PAID UNDER ITEM 1010060A.

MODIFY CONTROLLER TO ACCOMODATE CHANGES. SUPPLY 4 COPIES OF REVISED CABINET WIRING DIAGRAMS.

REVISE PHASE 4 PEDESTRIAN TIMING AND PRE-EMPTION SETTINGS.

ABANDON EXISTING LOOP DETECTORS D3, D2A, D5A, AND D5B. INSTALL LOOP DETECTORS D2A, D3, AND D5A IN CENTER OF LANE AND 8' APART UNLESS OTHERWISE SPECIFIED.

SERIES SPLICE SEGMENTED LOOP PER LANE.

TECHNICAL NOTES CONTINUED

(S) TRAFFIC SIGNAL SHALL NOT BE PLACED ON PROGRAMMED FLASH.

6. POLICE BOX MANUAL SHALL BE PRE-EMPTED BY THE RAILROAD CIRCUIT. THE POLICE BOX MANUAL SHALL BE PRE-EMPTED BY THE RAILROAD CIRCUIT. THE POLICE BOX MANUAL CONTROL SHALL REMAIN INOPERATIVE FROM THE TIME PRE-EMPTION CALL IS RECEIVED UNTIL THE CONTROLLER LEAVES THE RAILROAD HOLD PHASE AND RETURNS TO NORMAL OPERATION (PHASE 2 GREEN).

7. ANY CHANGE IN THE CLEARANCE INTERVALS DENOTED ON THIS PLAN MAY REQUIRE A MODIFICATION OF RAILROAD TRACK CIRCUIT.

(8) SIGNAL TO REMAIN IN FLASHING OPERATION UPON RECEIPT OF PRE-EMPTION CALL.

9. THE CONTROLLER SHALL BE A "MENU DRIVEN" TYPE WITH INTERNAL RAILROAD PRE-EMPTION.

10. COUNTDOWN ONLY DURING PEDESTRIAN CHANGE INTERVAL.

11. MANUAL AND INTERVAL ADVANCE TO BE DISCONNECTED DURING PHASE PEDESTRIAN CHANGE INTERVAL.

RAILROAD OPERATIONAL NOTES (FUTURE) RAILROAD PRE-EMPTION (NORMAL OPERATION)

1. TRAIN ENTERS TRACK CIRCUIT, RAILROAD PROVIDES IMMEDIATE PRE-EMPTION CIRCUIT TO THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. THE TRAFFIC SIGNAL CONTROLLER IMMEDIATELY ADVANCES THE SEQUENCE TO THE TRACK CLEARANCE PHASE (PHASE 7) VIA THE PROPER YELLOW AND RED CLEARANCE INTERVALS.
3. THE TRACK CLEARANCE INTERVAL WILL TERMINATE AND THE TRAFFIC SIGNAL CONTROLLER WILL HOLD IN THE PRE-EMPTION HOLD PHASE (PHASE 8).
4. THE RAILROAD FLASHING LIGHTS AND BELLS WILL COMMENCE OPERATION 7 TO 11 SECONDS INTO THE TRACK CLEAR PHASE, DEPENDING UPON WHAT INTERVAL THE TRAFFIC CONTROL SIGNAL IS IN WHEN THE PRE-EMPTION CALL IS RECEIVED. STANDARD RAILROAD TIMING FOR LIGHTS, BELLS, AND GATES WILL COMMENCE OPERATION A MINUMUM OF 29 SECONDS PRIOR TO THE TRAIN ENTERING THE CROSSING.
5. WHEN THE TRAIN HAS LEFT THE CROSSING AND THE TRACK CIRCUIT, THE TRAFFIC CONTROL SIGNAL SHALL RETURN TO NORMAL OPERATIONS (PHASE 2).

RAILROAD OPERATIONAL NOTES (FUTURE) RAILROAD PRE-EMPTION (FAIL-SAFE FLASHING OPERATION)

1. TRAIN ENTERS TRACK CIRCUIT, RAILROAD PROVIDES IMMEDIATE PRE-EMPTION CIRCUIT TO THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. THE TRAFFIC SIGNAL REMAINS IN NORMAL FLASHING OPERATION.
3. THE RAILROAD FLASHING LIGHTS WILL COMMENCE OPERATION 13 SECONDS AFTER THE TRAIN HAS ENTERED THE TRACK CIRCUIT. STANDARD RAILROAD TIMING FOR LIGHTS, BELLS, AND GATES WILL COMMENCE A MINIMUM OF 29 SECONDS PRIOR TO THE TRAIN ENTERING THE CROSSING.
4. WHEN THE TRAIN HAS LEFT THE CROSSING AND THE TRACK CIRCUIT, THE RAILROAD DEVICES WILL DEACTIVATE AND THE TRAFFIC CONTROL SIGNAL SHALL REMAIN IN NORMAL FLASHING OPERATION.

DETECTORS

IDENT	SIZE (WXL)	TYPE	MODE
D2	16 X 6	LOOP (3 TURNS)	PRESENCE
D2A	6 X 6	LOOP (3 TURNS)	PRESENCE
D3	6 X 6	LOOP (3 TURNS)	PRESENCE
D5	6 X 6	LOOP (3 TURNS)	8" DELAY
D5A	15 X 6	LOOP (3 TURNS)	8" DELAY

SYSTEM LOC MASTER

COORDINATION TYPE: NONE

PROGRAM FUNCTION	TIME	DAYS
FLASH	(S)	DAILY
MAX 1	ALL OTHER TIMES	
MAX 2	1400 - 1700	M-F
	1400 - 1700	SAT

CYCLE	OFFSET SEC	OFFSET %

R.R. PRE-EMPTION

TIME	EVENT
0"	START OF TRAFFIC SIGNAL PRE-EMPTION
13"	START OF R.R. LIGHTS & BELLS
20"	RAILROAD GATES START TO DROP
30"	R.R. GATES HORIZONTAL
42"	TRAIN ENTERS CROSSING

NOTES:

WHEN A PRE-EMPTION IS RECEIVED DURING NORMAL TRAFFIC OPERATION OR MANUAL OPERATION, RAILROAD FLASHING LIGHTS WILL COMMENCE OPERATION 7 TO 11 SECONDS INTO THE "TRACK CLEAR" PHASE, DEPENDING ON WHICH INTERVAL THE CONTROLLER IS IN WHEN THE PRE-EMPTION CALL IS RECEIVED.

WHEN PRE-EMPTION OCCURS DURING EMEREMENCY FLASH OR FAIL-SAFE FLASHING OPERATION, RAILROAD FLASHING LIGHTS WILL COMMENCE OPERATIONS 13 SECONDS AFTER THE PRE-EMPTION CALL IS RECEIVED.

SIGN LEGEND

(A) MAST ARM MOUNTED 31-0135 (ONLY)
(B) 31-0222 (ONLY)
(C) 41-2201 ( )
(D) 41-2208 ( )
(E) 31-0806 (DO NOT BLOCK INTERSECTION)
(F) 31-2210 (DO NOT STOP ON TRACKS)

NOTES:

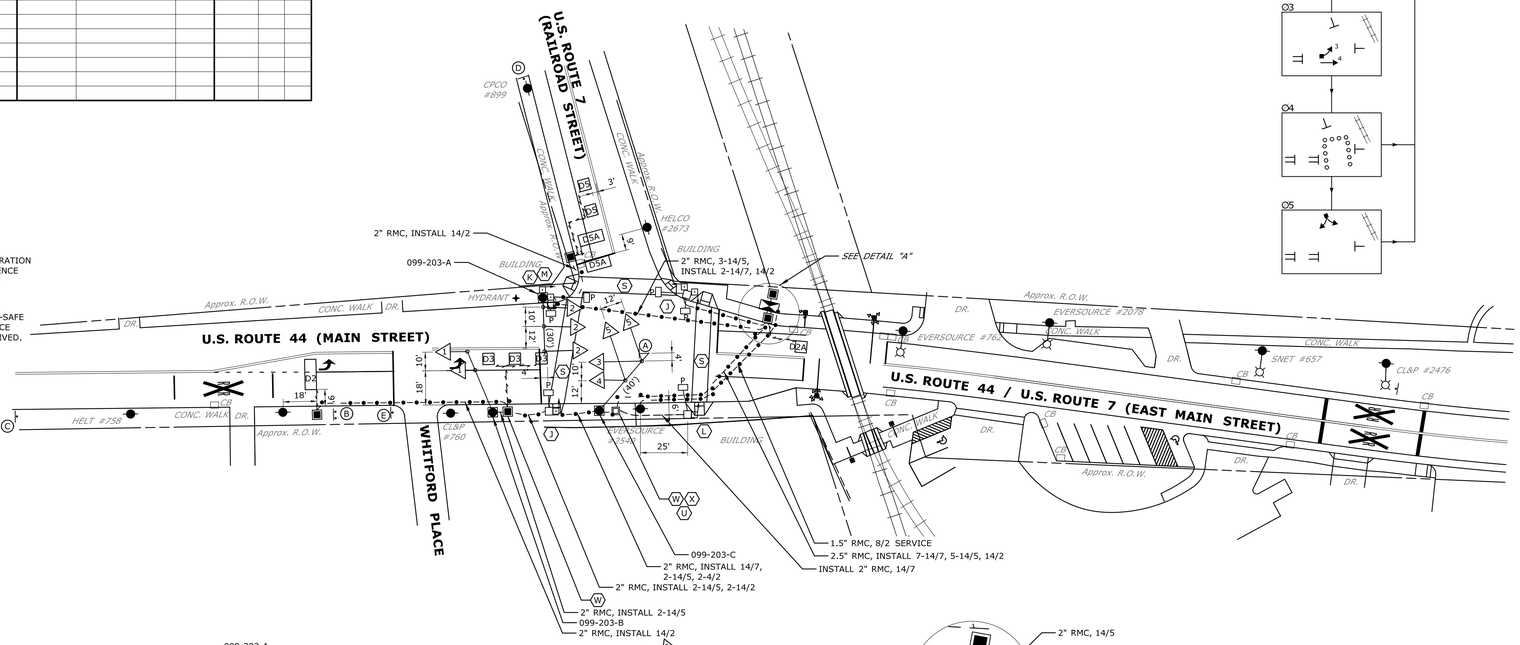
SEE SEPERATE PLAN FOR SIGNING AND PAVEMENT MARKINGS.
SEE SEPERATE PLAN FOR LOCATION OF RAILROAD DEVICES.

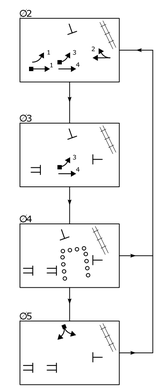
(S) BAR TYPE CROSSWALK - STATE MAINTAINED
(W) 30" X 30" CONCRETE HANDHOLE

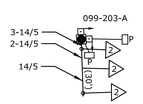
MAST ARM INFORMATION

ID #	SHAFT HEIGHT	ARM LENGTH	YEAR INSTALLED
099-203-A	19	30'	2007
099-203-B	19	35'	2007
099-203-C	19	40'	2007

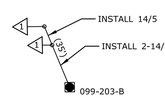
ALL MAST ARM MOUNTED SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF ADJUSTABLE BRACKETS.



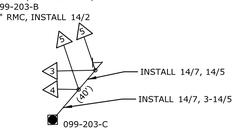




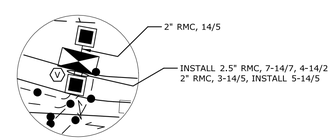
ELECTRICAL CALL OUTS FOR 099-203-A
N.T.S.



ELECTRICAL CALL OUTS FOR 099-203-B
N.T.S.



ELECTRICAL CALL OUTS FOR 099-203-C
N.T.S.



DETAIL "A"
N.T.S.

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER	BL Companies ARCHITECTURE ENGINEERING ENVIRONMENTAL LAND SURVEYING			05/19
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

NO.	DATE	REVISION DESCRIPTION

LEGEND:
R RED
Y YELLOW
G GREEN
R RED ARROW
Y YELLOW ARROW
GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SD SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

SIDEWALK RAMP
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSMITTER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED : 6/19/2019 G:\JOBS03\03C\03C643\DGN\Traffic\TR_MSH_TCS_099_203.dgn

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 7 (RAILROAD STREET) AT
US. ROUTE 44 (EAST MAIN STREET)

SCALE 1" = 40'

REV # INTERSECTION #099-203

ENERGY BY STATE	ADDRESS #
MAINT LEVEL 1	SERVICE POLE - CL&P #2540
	UNMETERED SERVICE

TOWN: **NORTH CANAAN**

PROJECT NO. 99-115

DRAWING NO. TCS-01

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

SHEET NO. **04.07**

R1 - SERIES

R1-1

STOP

LEGEND - WHITE
BACKGROUND - RED

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

R1-2

YIELD

LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.97	18	31-0520	1	.080
3.90	36	31-0523	1	.080
6.77	48	31-0522	2	.100
10.83	60	31-0528	2	.100

R1-3P

ALL-WAY

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1

SPEED LIMIT 00

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
20.00	48X60	31-5507	2	.100

R2-4a

SPEED LIMIT 00 MINIMUM 00

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32	48X96	31-5510	2	.125

R3 - SERIES

R3-1

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

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

R3-2

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603	1	.080
9.00	36X36	31-1629	2	.080

R3-3

NO TURNS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-5

ONLY ONLY
31-0183 31-0184

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-6

ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0175	1	.080

R3-6

31-0157 31-0158

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-7

LEFT LANE MUST TURN LEFT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117	1	.080
9.00	36X36	31-0120	2	.080

R3-7

RIGHT LANE MUST TURN RIGHT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0118	1	.080
9.00	36X36	31-0123	2	.080

R3-8

ONLY ONLY
31-0282 31-0283

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8

ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	31-0290	1	.080

R3-8

ONLY ONLY
31-0295 31-0219

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8

ONLY ONLY
31-0222 31-0223

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8

ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

R3-8

ONLY ONLY
31-0262 31-0261

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8b

ONLY ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

R3-8b

ONLY ONLY
31-0307 31-0372

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

R3-8b

ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100

R3-8b

ONLY ONLY
31-0370 31-0371

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100

R4 - SERIES

R4-1

DO NOT PASS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080

R4-16

KEEP RIGHT EXCEPT TO PASS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2	.100

R4-3

SLOWER TRAFFIC KEEP RIGHT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2	.100

R4-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2	.100

R5 - SERIES

R5-1

DO NOT ENTER

LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100

R5-10a(CT)

NO PEDESTRIANS BICYCLES MOTOR BIKES MOTOR SCOOTERS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-1a

WRONG WAY

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100

R5-11

AUTHORIZED VEHICLES ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1790	1	.080
20.00	48X36	31-1792	2	.100

R5-10a(CT)

PROHIBITED
VEH OVER 8FT HIGH
TRAILERS
COMMERCIAL VEH

LEGEND - BLACK
TOP SECTION BACKGROUND - YELLOW
BOTTON SECTION BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	60X78	31-1719	2	.125

R5-10c

NO PEDESTRIANS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R6 - SERIES

R6-1

ONE WAY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188	1	.080
6.75	54X18	31-1189	2	.100

R6-1

ONE WAY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1177	1	.080
6.75	54X18	31-1178	2	.100

R7 - SERIES

R7-1

NO PARKING ANY TIME

(R) (L)
(D)

LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a

NO PARKING 0:00 AM TO 0:00 PM

VARIABLE TIMES
(R) (L)
(D)

LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7

EMERGENCY STOPPING ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

R9 - SERIES

R9-3

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	31-1705	1	.080
4.00	24x24	31-1769	1	.080
6.25	30x30	31-1770	1	.080

R9-3a

NO PEDESTRIAN CROSSING

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-1702	1	.080

R10 - SERIES

R10-6

STOP HERE ON RED
31-0801

STOP HERE ON RED
31-0802

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-7

DO NOT BLOCK INTERSECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080

R10-11b

NO TURN ON RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-0816	2	.080

R10-10L

LEFT TURN SIGNAL

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0852	1	.080

R10-11a

NO TURN ON RED

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

R10-11c(CT)

RIGHT TURN ON RED FROM RIGHT LANE ONLY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080

R11 - SERIES

R11-1

KEEP OFF MEDIAN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2	.100

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X48	31-5003	1	.080
2.00	4X72	31-5004	1	.080

DO NOT STOP ON TRACKS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-2210	1	.080

EMERGENCY EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	31-1704	1	.080

NOTES:

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS SHALL BE 4 LBS./FT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

THIS SIGN ADDED FOR THIS PROJECT ONLY.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
3	12-2018	REVISED RETROREFLECTIVE STRIPS	TR-GS_01
2	10-2018	REVISED R5-11 SIGNS PER MUTCD	TR-GS_01
1	6-2018	NEW SHEET ISSUED	TR-GS_01

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.

Plotted Date: 6/18/2019

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/BLOCK:

KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM (X)
R-SERIES TYPICAL SIGN DETAILS

PROJECT NO. **99-114/115**
DRAWING NO. **TR-GS_01**
SHEET NO. **04.08**

S - SERIES

S1-1

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	36	41-2112	1	.080
12.00	48	41-2113	2	.100

W1 - SERIES

W1-1L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080

W1-1R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4005	1	.080
9.00	36	41-4160	1	.080

W1-6

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4223	2	.100
12.50	60X30	41-4262	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4029	1	.080
9.00	36	41-4169	1	.080

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4168	1	.080
9.00	36	41-4032	1	.080

W1-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4207	2	.100
12.50	60X30	41-4208	2	.100

W1-8

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-3951	1	.080
7.50	30X36	41-4211	1	.080
12.00	36X48	41-4260	2	.080

W2 - SERIES

W2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4226	1	.080
9.00	36	41-4236	1	.080

W2-2

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4225	1	.080
9.00	36	41-4235	1	.080

W3 - SERIES

W3-1

OCTAGON - RED

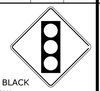
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0501	1	.080
16.00	48	41-0503	2	.100

W3-2

TRIANGLE - RED & WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
16.00	48	41-0506	2	.100

W3-3



SYMBOL & LEGEND - BLACK
BACKGROUND - YELLOW
TOP CIRCLE - RED
BOTTOM CIRCLE - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0835	1	.080
16.00	48	41-0848	2	.100

W/ FLASHERS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
25.00	60	41-0534	2	.125

W4 - SERIES

W4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448	1	.080
16.00	48	41-4452	2	.100

W4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4449	1	.080
16.00	48	41-4459	2	.100

W4-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442	1	.080
16.00	48	41-4446	2	.100

W4-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4441	1	.080
16.00	48	41-4447	2	.100

W4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4468	1	.080
16.00	48	41-4435	2	.100

W4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4470	1	.080
16.00	48	41-4434	2	.100

W5 - SERIES

W5-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1

W6-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4335	1	.080
16.00	48	41-4330	2	.100

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4329	1	.080
16.00	48	41-4331	2	.100

W7 - SERIES

W7-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4506	1	.080
9.00	36	41-4530	1	.080
16.00	48	41-4508	2	.100

W8 - SERIES

W8-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4519	1	.080
9.00	36	41-4520	1	.080
16.00	48	41-4521	2	.100

R R

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	41-2201	1	.080

T

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	41-2212	1	.080

W9 - SERIES

W9-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4443	1	.080
16.00	48	41-4444	2	.100

W9-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4440	1	.080
16.00	48	41-4445	2	.100

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4454	1	.080
16.00	48	41-4456	2	.100

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4453	1	.080
16.00	48	41-4455	2	.100

W11 - SERIES

W11-2

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4829	1	.080
9.00	36	41-4830	1	.080

W11-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4680	1	.080
9.00	36	41-4681	1	.080

W12 - SERIES

W12-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080

W12-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4721		.080

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4722		.080

W13 - SERIES

W13-1P

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5566		.080
4.00	24X24	41-5567		.080
6.25	30X30	41-5574		.080

W13-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5596	2	.100

W13-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5581	2	.100

W16 - SERIES

W16-2aP

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6140		.080

W16-7PL

(SUBPLATE)
USE AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2617		.080

W16-7PR

(SUBPLATE)
USE AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080

W16-9P

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080

W16-2aP

41-6130 000 FT
41-6134 0000 FT

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6134		.080

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	4X72	41-5010	1	.080

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	4X48	41-5001	1	.080
2.00	4X72	41-5006	1	.080

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
5. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS. FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS. SEE STANDARD SHEET TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

THIS SIGN ADDED FOR THIS PROJECT ONLY.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	6-2018	NEW SHEET ISSUED	TR-GS_02

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.

Plotted Date: 6/18/2019

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT
KARRY W. KOCH
No. 21095
LICENSED
PROFESSIONAL ENGINEER

KWH Enterprise, LLC
277 Reservoir Avenue, Suite 1101
Meriden, CT 06451

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM (Y)
S&W SERIES TYPICAL SIGN DETAILS

PROJECT NO. **99-114/115**
DRAWING NO. **TR-GS_02**
SHEET NO. **04.09**

D1 - SERIES

D1-1 51-5202 Variable →

D1-2 51-5203 Variable Variable →

VARIABLE LEGEND & ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	60X12	51-5202	2	.100
10.00	60X24	51-5203	2	.100

D3 - SERIES

D3-1 Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	48X18	51-2004	2	.100
7.50	60X18	51-2001	2	.100
9.00	72X18	51-2002	2	.125
10.50	84X18	51-2003	2	.125

D4 - SERIES

D4-2 PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6006	1	.080
7.50	30X36	51-6007	1	.080

D4-2 EXIT 000 1 2 PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2082	3	.125

D4-2 PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6033	1	.080
7.50	30X36	51-6034	1	.080

D4-2 EXIT 000 1 2 PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2095	3	.125

D4-2 PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6044	1	.080
7.50	30X36	51-6045	1	.080

D4-2 EXIT 000 2 PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2097	3	.125

D4-2 EXIT 000 2 PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2099	3	.125

D5 - SERIES

D5-2b REST AREA ↗

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
42.25	78X78	51-6901	2	.125

SERVICE PLAZA ↗

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
39.00	72X78	51-6158	2	.125

D7 - SERIES

D-7 51-6802 Variable →

51-6803 Variable Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X12	51-6802	2	.100
8.33	60X24	51-6803	2	.100

D9 - SERIES

D9-2 H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6788	1	.080

51-6705 DIESEL →
51-6706 FOOD →
51-6708 GAS →
51-6709 LODGING →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

51-5405 STATE POLICE →
51-6714 CAMPING →
51-6960 INFO →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

D10 - SERIES

D10-4 NORTH 95 MILE 000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	18X54	51-5307	1	.080

RECREATIONAL RS- SERIES

RS-054

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080

51-2705 ↑ 51-2706 L or R →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	51-2705		.080
2.19	21X15	51-2706		.080

E5 - SERIES

E5-1a EXIT ↗

FOR USE AT "NO NUMBERED" EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
30.00	72X60	51-6150	2	.125

E5-1a EXIT 00 ↖ 51-6124 EXIT 00 ↗ 51-6125

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	78X60		2	.125

E5-1a EXIT 00 B ↖ 51-6126 EXIT 00 B ↗ 51-6127

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
45.00	108X60		2	.125

E5-1a EXIT 00 A-B ↖ 51-6128 EXIT 00 A-B ↗ 51-6129

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
57.50	138X60		2	.125

I - SERIES

I-3 (Variable) River

VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	18X12	51-2009	1	.080
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

(Town Name) (INCORPORATED OR SETTLED) (DATE) TOWN LINE

VARIABLE: TOWN / CITY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	40X27	51-2020	2	.080

I-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080

PARKING AREA PATROLLED

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	51-5937	2	.080

INCIDENT MANAGEMENT

N 0.0 / N 0.0 0.0 / N 0.0 0.0 0.0

CARDINAL DIRECTION VARIABLE - N, S, E, W

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	12X36	51-5103	1	.080
4.00	12X48	51-5104	1	.080
5.00	12X60	51-5105	1	.080

SYMBOL - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	51-5943	1	.080

51-6504 Variable

51-6505 Variable Variable

TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	51-6504		.080
1.50	18X12	51-6505		.080

M1 - SERIES

M1-1 INTERSTATE CONNECTICUT 00 — 51-6662, 51-6666, VARIABLE: 1 or 2 DIGITS; INTERSTATE CONNECTICUT 000 — 51-6663, 51-6667, VARIABLE: 3 DIGITS

LEGEND - WHITE
BACKGROUND - RED & BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.20	24X24	51-6662	1	.080
3.99	30X24	51-6663	1	.080
7.20	36X36	51-6666	2	.080
8.99	45X36	51-6667	2	.100

M1-4 00 — 51-6615, 51-6635, VARIABLE: 1 or 2 DIGITS; 000 — 51-6644, 51-6645, VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6615	1	.080
5.00	30X24	51-6644	1	.080
9.00	36X36	51-6635	2	.080
11.25	45X36	51-6645	2	.100

M1-5 00 — 51-6616, 51-6636, VARIABLE: 1 or 2 DIGITS; 000 — 51-6647, 51-6646, VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6616	1	.080
5.00	30X24	51-6647	1	.080
9.00	36X36	51-6636	2	.080
11.25	45X36	51-6646	2	.100

M2 - SERIES

M2-1 JCT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6640	(1)	.080
2.19	21X15	51-6610	(2)	.080

M3 - SERIES

M3-1 NORTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	36X18	51-6655	(1)	.080
4.50	36X18	51-6625	(2)	.080

M3-4 WEST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	36X18	51-6658	(1)	.080
4.50	36X18	51-6628	(2)	.080

M3-2 EAST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6652	(1)	.080
2.00	24X12	51-6612	(2)	.080
4.50	36X18	51-6656	(1)	.080
4.50	36X18	51-6626	(2)	.080

M3-3 SOUTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6653	(1)	.080
2.00	24X12	51-6613	(2)	.080
4.50	36X18	51-6657	(1)	.080
4.50	36X18	51-6627	(2)	.080

M4 - SERIES

M4-5 TO

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6650	(1)	.080
2.00	24X12	51-6620	(2)	.080

M5 - SERIES

M5-1 ↰ 51-2690 51-2630 ↱ 51-2691 51-2631

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2690	(1)	.080
2.19	21X15	51-2691	(1)	.080
2.19	21X15	51-2630	(2)	.080
2.19	21X15	51-2631	(2)	.080

M5-2 ↖ 51-2692 51-2632 ↗ 51-2693 51-2633

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2692	(1)	.080
2.19	21X15	51-2693	(1)	.080
2.19	21X15	51-2632	(2)	.080
2.19	21X15	51-2633	(2)	.080

M6 - SERIES

M6-1 → L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6686	(1)	.080
2.19	21X15	51-6626	(2)	.080

M6-4 ↔

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6697	(1)	.080
2.19	21X15	51-6627	(2)	.080

M6-2 ↖ 51-2688 51-2629 ↗ 51-2689 51-2628 51-2609

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2688	(1)	.080
2.19	21X15	51-2689	(1)	.080
2.19	21X15	51-2628	(2)	.080
2.19	21X15	51-2629	(2)	.080
4.38	30X21	51-2609	(2)	.080

M6-3 ↑

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2685	(1)	.080
2.19	21X15	51-2625	(2)	.080

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

D - SERIES
D1, 2, 3, 4, 10 BACKGROUND-GREEN, LEGEND-WHITE
D7, RS BACKGROUND-BROWN, LEGEND-WHITE
D9 BACKGROUND-BLUE, LEGEND-WHITE
ALL OTHER D-SERIES AS NOTED

E - SERIES
BACKGROUND-GREEN, LEGEND-WHITE

I - SERIES
BACKGROUND-GREEN, LEGEND-WHITE
(EXCEPT AS NOTED)

M2 - M6 SERIES
(1) BACKGROUND-BLUE, LEGEND-WHITE
(2) BACKGROUND-WHITE, LEGEND-BLACK

ALL COLORS SHALL BE TYPE IX RETROREFLECTIVE WITH THE EXCEPTION OF BROWN WHICH SHALL BE TYPE IV RETROREFLECTIVE AND BLACK WHICH SHALL BE OPAQUE.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
3	12-2018	REVISED D2, D3, D9, AND I SIGN SERIES.	TR-GS_03
2	7-2018	REVISED BROWN COLOR TO TYPE IV.	TR-GS_03
1	6-2018	NEW SHEET ISSUED	TR-GS_03

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.

Plotted Date: 3/9/2019

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/BLOCK: STATE OF CONNECTICUT — REGISTERED PROFESSIONAL ENGINEER — LICENSED — 27 — 27 — 27