

HOPKINTON MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/STP-0333(011)	73	184
PROJECT FILE NO. 600043		UTILITY PLANS	

GENERAL NOTES

- EVERSOURCE CONDUIT FROM DUCT BANK TO HH - (1) 4" PVC
- EVERSOURCE CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE
- RESIDENTIAL BUILDING - (1) 2" PVC
- COMMERCIAL BUILDING - (1) 4" PVC
- VERIZON CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC
- VERIZON CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 3" PVC
- COMCAST CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
- CROWN CASTLE CONDUIT FROM DUCT BANK TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
- COMM-TRACT CONDUIT FROM DUCT BANK TO HH AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 4" PVC

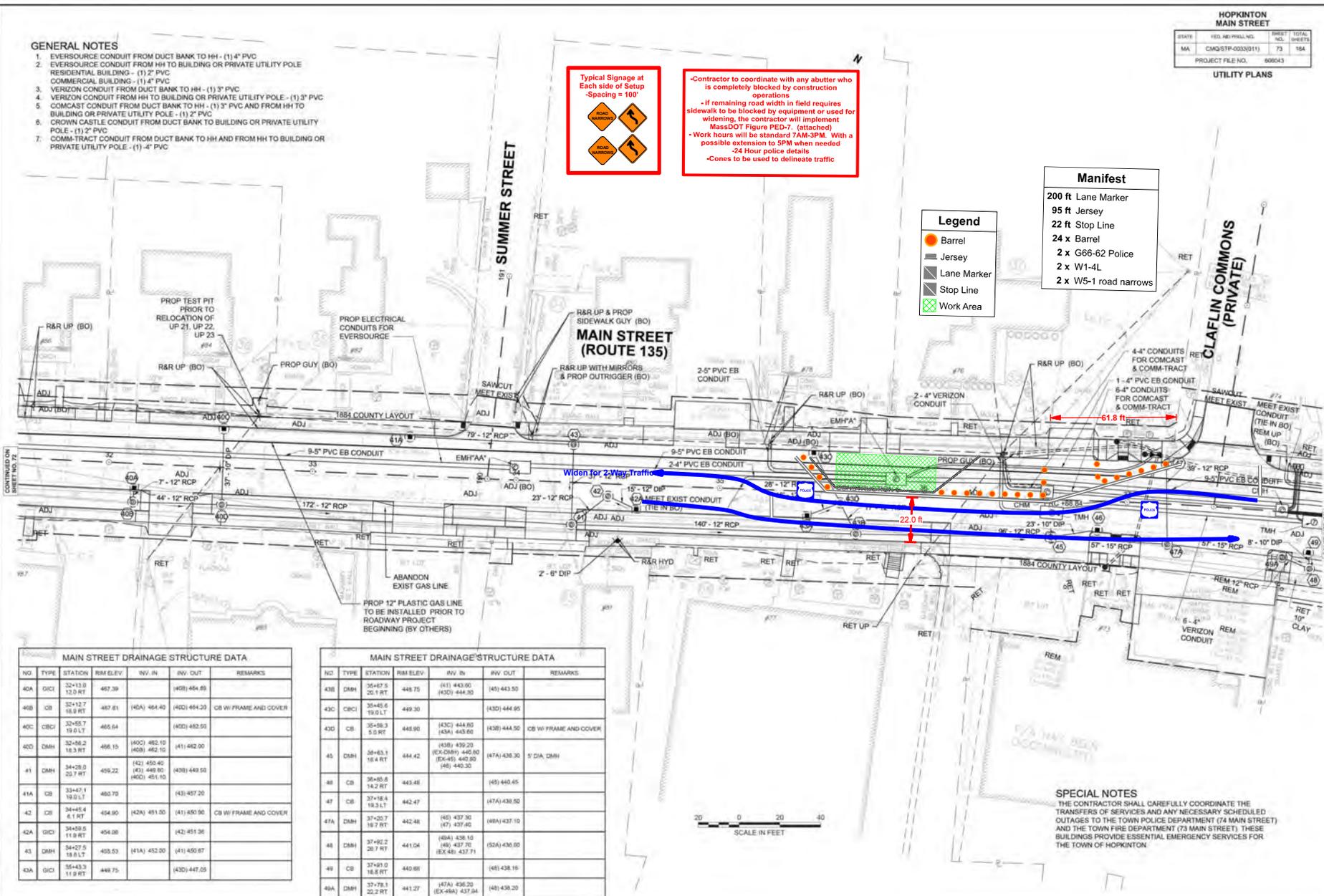


-Contractor to coordinate with any abutter who is completely blocked by construction operations
-If remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7, (attached)
-Work hours will be standard 7AM-5PM. With a possible extension to 5PM when needed
-24 Hour police details
-Cones to be used to delineate traffic

- Manifest**
- 200 ft Lane Marker
 - 95 ft Jersey
 - 22 ft Stop Line
 - 24 x Barrel
 - 2 x G66-62 Police
 - 2 x W1-4L
 - 2 x W5-1 road narrows

Legend

- Barrel
- Jersey
- Lane Marker
- Stop Line
- Work Area



MAIN STREET DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
40A	DICI	32+13.0 12.9 RT	467.39	(40B) 464.85		
40B	CB	32+13.7 18.9 RT	467.81	(40A) 464.40	(40C) 464.25	CB W/ FRAME AND COVER
40C	CB/C	32+55.7 19.0 LT	465.64	(40D) 462.50		
40D	DMH	32+56.2 18.3 RT	466.15	(40C) 462.10	(41) 462.00	
41	DMH	34+28.0 25.7 RT	459.22	(42) 449.80	(43B) 449.55	
41A	CB	33+47.1 19.0 LT	460.70	(43) 457.20		
42	CB	34+45.4 4.1 RT	454.90	(42A) 451.30	(41) 450.90	CB W/ FRAME AND COVER
42A	DICI	34+59.5 11.9 RT	454.06	(42) 451.36		
43	DMH	34+27.5 19.6 LT	455.53	(41A) 452.00	(41) 450.87	
43A	DICI	35+43.3 11.9 RT	449.75	(43D) 447.05		

MAIN STREET DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
43B	DMH	35+47.5 26.1 RT	448.75	(41) 443.00 (43D) 444.90	(45) 443.50	
43C	CB/C	35+48.6 19.0 LT	449.30		(43D) 444.95	
43D	CB	35+59.3 5.5 RT	448.90	(43C) 444.80 (43A) 445.00	(43E) 444.30	CB W/ FRAME AND COVER
45	DMH	38+43.1 18.4 RT	444.42	(43B) 439.20 (EX-DMH) 445.00 (EX-45) 440.50 (46) 440.30	(47A) 438.30	3' DIA. DMH
46	CB	36+45.8 14.2 RT	443.48		(45) 440.45	
47	CB	37+18.4 19.3 LT	442.47		(47A) 438.50	
47A	DMH	37+20.7 18.7 RT	442.48	(46) 437.30 (47) 437.60	(48A) 437.10	
48	DMH	37+49.2 26.7 RT	441.04	(68A) 438.10 (48) 437.70 (EX-48) 437.71	(32A) 436.00	
49	CB	37+49.0 18.8 RT	440.85		(48) 438.15	
49A	DMH	37+79.1 22.2 RT	441.27	(47A) 436.30 (EX-49A) 437.84	(49) 436.20	

SPECIAL NOTES
THE CONTRACTOR SHALL CAREFULLY COORDINATE THE TRANSFERS OF SERVICES AND ANY NECESSARY SCHEDULED OUTAGES TO THE TOWN POLICE DEPARTMENT (7A MAIN STREET) AND THE TOWN FIRE DEPARTMENT (7A MAIN STREET). THESE BUILDINGS PROVIDE ESSENTIAL EMERGENCY SERVICES FOR THE TOWN OF HOPKINTON.



REVISED: 28-AUG-2020 2:41 PM
REDACTED: 28-AUG-2020 2:41 PM

HOPKINTON MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/STP-033(011)	73	184
PROJECT FILE NO.		600643	

UTILITY PLANS

GENERAL NOTES

- EVERSOURCE CONDUIT FROM DUCT BANK TO HH - (1) 4" PVC
- EVERSOURCE CONDUIT FROM DUCT BANK TO BUILDING OR PRIVATE UTILITY POLE
- RESIDENTIAL BUILDING - (1) 2" PVC
- COMMERCIAL BUILDING - (1) 4" PVC
- VERIZON CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC
- VERIZON CONDUIT FROM DUCT BANK TO BUILDING OR PRIVATE UTILITY POLE - (1) 3" PVC
- COMCAST CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
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- COMM-TRACT CONDUIT FROM DUCT BANK TO HH AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 4" PVC

Legend

- Barrel
- Jersey
- Lane Marker
- Stop Line
- Work Area

Manifest

- 198 ft Lane Marker
- 91 ft Jersey
- 22 ft Stop Line
- 23 x Barrel
- 3 x G66-62 Police
- 2 x W1-4L
- 2 x W5-1 road narrows

Typical Signage at Each side of Setup - Spacing = 100'

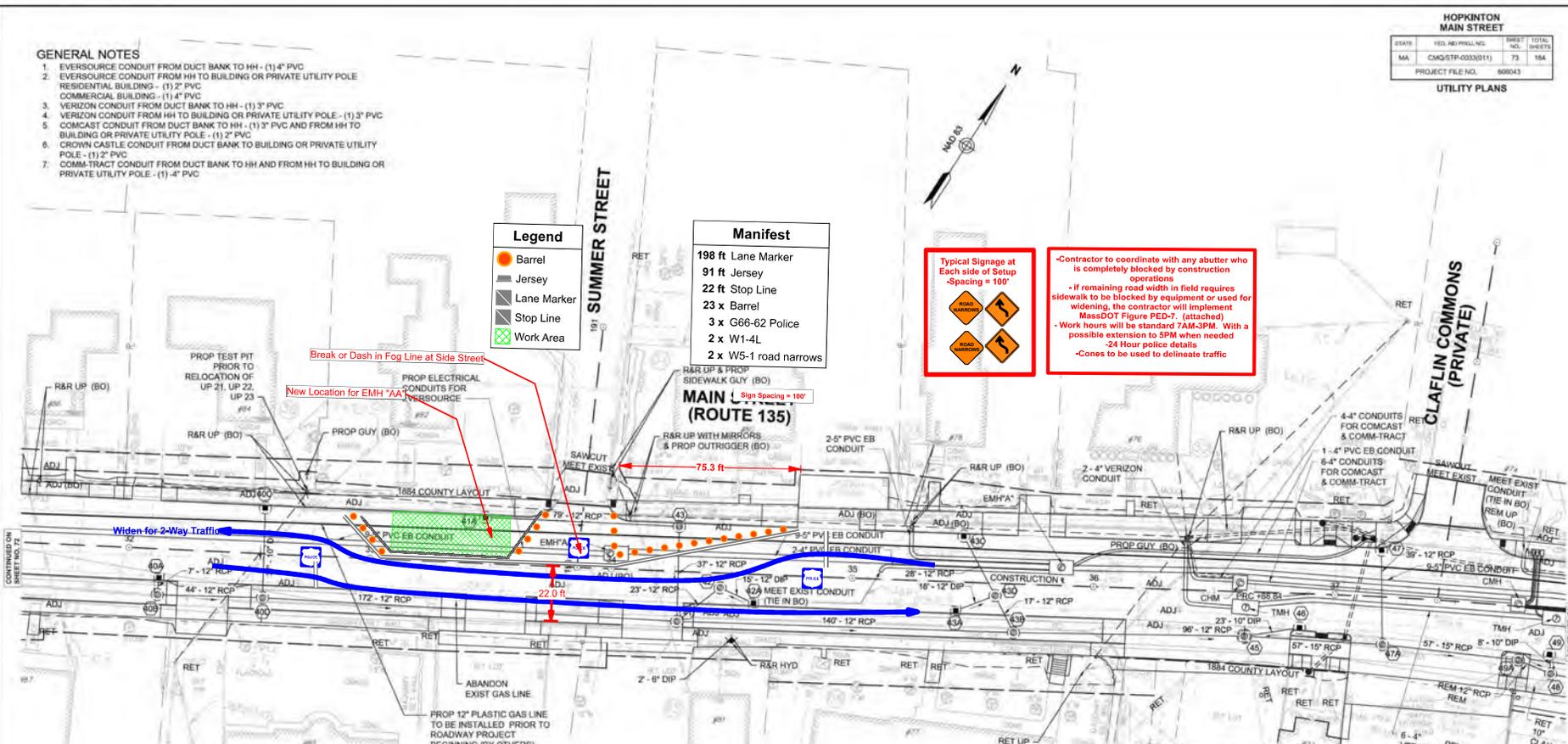
-Contractor to coordinate with any abutter who is completely blocked by construction operations

-If remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7, (attached)

-Work hours will be standard 7AM-3PM. With a possible extension to 5PM when needed

-24 Hour police details

-Cones to be used to delineate traffic



MAIN STREET DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
40A	DICI	32+13.0 12.9 RT	467.39	(40B) 464.85		
40B	CB	32+13.7 18.9 RT	467.81	(42A) 464.40	(40C) 464.25	CB W/ FRAME AND COVER
40C	CB/C	32+55.7 19.0 LT	465.64	(40C) 462.50		
40D	DMH	32+56.2 18.3 RT	466.15	(40C) 462.10	(41) 462.00	
41	DMH	34+28.0 25.7 RT	459.22	(42) 449.80	(43B) 449.55	
41A	CB	33+47.1 19.0 LT	460.70	(43) 457.20		
42	CB	34+45.4 4.1 RT	454.90	(42A) 451.30	(41) 450.90	CB W/ FRAME AND COVER
42A	DICI	34+59.0 11.9 RT	454.06	(42) 451.36		
43	DMH	34+27.5 19.6 LT	455.53	(41A) 452.00	(41) 450.87	
43A	DICI	35+43.3 11.9 RT	449.75	(43D) 447.05		

MAIN STREET DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
43B	DMH	35+47.5 26.1 RT	448.75	(41) 443.00 (43D) 444.30	(45) 443.50	
43C	CB/C	35+48.8 19.0 LT	449.30	(43A) 445.00	(43D) 444.95	
43D	CB	35+59.3 5.5 RT	448.90	(43C) 444.80 (43A) 445.00	(43E) 444.30	CB W/ FRAME AND COVER
45	DMH	38+43.1 18.4 RT	444.42	(43B) 439.20 (EX-DMH) 445.00 (EX-45) 440.30 (46) 440.30	(47A) 438.30	3' DIA. DMH
46	CB	36+45.8 14.2 RT	443.48	(45) 440.45		
47	CB	37+18.4 19.3 LT	442.47	(47A) 438.50		
47A	DMH	37+20.7 18.7 RT	442.48	(46) 437.30 (47) 437.60	(48A) 437.10	
48	DMH	37+49.2 26.7 RT	441.04	(68A) 438.10 (48) 437.70 (EX-48) 437.71	(52A) 436.00	
49	CB	37+49.0 18.8 RT	440.85	(48) 438.15		
49A	DMH	37+79.1 22.2 RT	441.27	(47A) 436.30 (EX-49A) 437.84	(49) 436.20	

SPECIAL NOTES

THE CONTRACTOR SHALL CAREFULLY COORDINATE THE TRANSFERS OF SERVICES AND ANY NECESSARY SCHEDULED OUTAGES TO THE TOWN POLICE DEPARTMENT (73 MAIN STREET) AND THE TOWN FIRE DEPARTMENT (73 MAIN STREET). THESE BUILDINGS PROVIDE ESSENTIAL EMERGENCY SERVICES FOR THE TOWN OF HOPKINTON.



HOPKINTON MAIN STREET			
DATE	ISSUED FOR	SHEET NO.	TOTAL SHEETS
MA	CMQSTP-0332(1)	74	104
PROJECT FILE NO.		690643	

UTILITY PLANS

GENERAL NOTES

- EVERSOURCE CONDUIT FROM DUCT BANK TO HH - (1) 4" PVC
- EVERSOURCE CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE
- RESIDENTIAL BUILDING - (1) 2" PVC
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- VERIZON CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC
- VERIZON CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 3" PVC
- COMCAST CONDUIT FROM DUCT BANK TO HH - (1) 2" PVC
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GENERAL NOTES

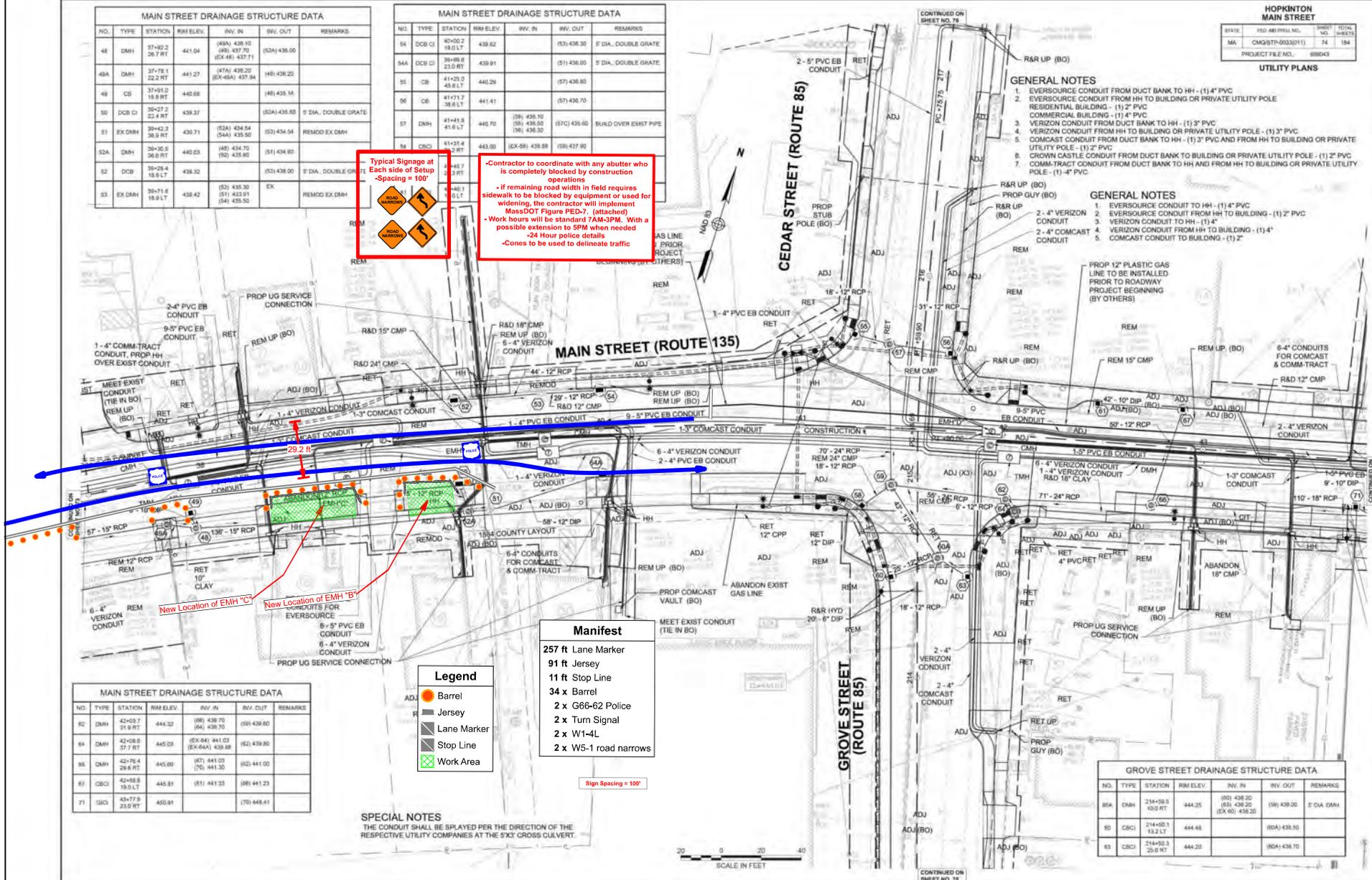
- EVERSOURCE CONDUIT TO HH - (1) 4" PVC
- EVERSOURCE CONDUIT FROM HH TO BUILDING - (1) 2" PVC
- VERIZON CONDUIT TO HH - (1) 4"
- VERIZON CONDUIT FROM HH TO BUILDING - (1) 4"
- COMCAST CONDUIT TO BUILDING - (1) 2"

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
48	DMH	17+92.2 28.7 RT	441.04	(89) 439.10 (89) 437.70 (EX 48) 437.71	(52A) 436.00	
49A	DMH	17+79.1 22.2 RT	441.27	(47A) 439.20 (EX 49A) 437.94	(48) 438.20	
49	CS	17+81.2 18.8 RT	440.80		(48) 438.16	
50	DCB CI	18+27.2 22.4 RT	439.37		(52A) 436.00	8" DIA. DOUBLE GRATE
51	EX DMH	19+42.3 26.9 RT	430.71	(52A) 434.54 (54A) 435.90	(53) 434.54	REMOD EX DMH
52A	DMH	19+20.5 26.9 RT	440.03	(48) 434.70 (50) 435.80	(51) 434.80	
52	DCB	19+28.4 18.8 LT	438.32	(52) 435.30 (51) 433.91 (54) 435.30	(53) 436.00	8" DIA. DOUBLE GRATE
53	EX DMH	19+71.8 18.9 LT	438.42	(52) 435.30 (51) 433.91 (54) 435.30	EX	REMOD EX DMH

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
54	DCB CI	40+50.2 19.0 LT	439.62		(83) 436.30	8" DIA. DOUBLE GRATE
54A	DCB CI	39+86.8 23.9 RT	439.81		(81) 436.00	8" DIA. DOUBLE GRATE
55	CB	41+28.0 45.8 LT	440.29		(87) 438.80	
56	CE	41+71.7 38.6 LT	441.41		(87) 436.70	
57	DMH	41+41.9 41.6 LT	440.70	(59) 439.10 (55) 438.50 (56) 438.30	(87C) 438.00	BUILD OVER EXIST PIPE
58	CB	51+31.4 1.2 RT	443.00	(EX 58) 439.88 (59) 437.80		



-Contractor to coordinate with any abutter who is completely blocked by construction operations
 -if remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7. (attached)
 -Work hours will be standard 7AM-3PM. With a possible extension to 5PM when needed
 -24 Hour police details
 -Cones to be used to delineate traffic



MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
60	DMH	42+03.7 21.8 RT	444.32	(86) 439.70 (94) 439.70	(89) 439.80	
6A	DMH	42+08.6 37.7 RT	443.03	(83-86) 441.03 (EX 6A) 439.88	(82) 439.80	
6B	DMH	42+76.4 26.8 RT	443.60	(87) 441.03 (70) 441.30	(82) 441.00	
6C	DCB	42+88.8 19.0 LT	445.81	(81) 441.33	(88) 441.23	
71	GIS	43+77.9 23.5 RT	450.81		(70) 448.41	

Manifest	
257 ft	Lane Marker
91 ft	Jersey
11 ft	Stop Line
34 x	Barrel
2 x	G66-62 Police
2 x	Turn Signal
2 x	W1-4L
2 x	W5-1 road narrows



SPECIAL NOTES
 THE CONDUIT SHALL BE LAYED PER THE DIRECTION OF THE RESPECTIVE UTILITY COMPANIES AT THE SIX' CROSS CULVERT.



GROVE STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
85A	DMH	214+59.5 60.9 RT	444.25	(80) 438.20 (83) 438.20 (EX 80) 438.20	(89) 438.00	8" DIA DMH
80	CB	214+00.1 13.2 LT	444.48		(80A) 438.50	
83	CB	214+00.3 25.6 RT	444.20		(80A) 438.70	

HOPKINTON MAIN STREET			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-STP-003(011)	72	184
PROJECT FILE NO. 609543			
UTILITY PLANS			

Typical Signage at Each side of Setup
-Spacing = 100'

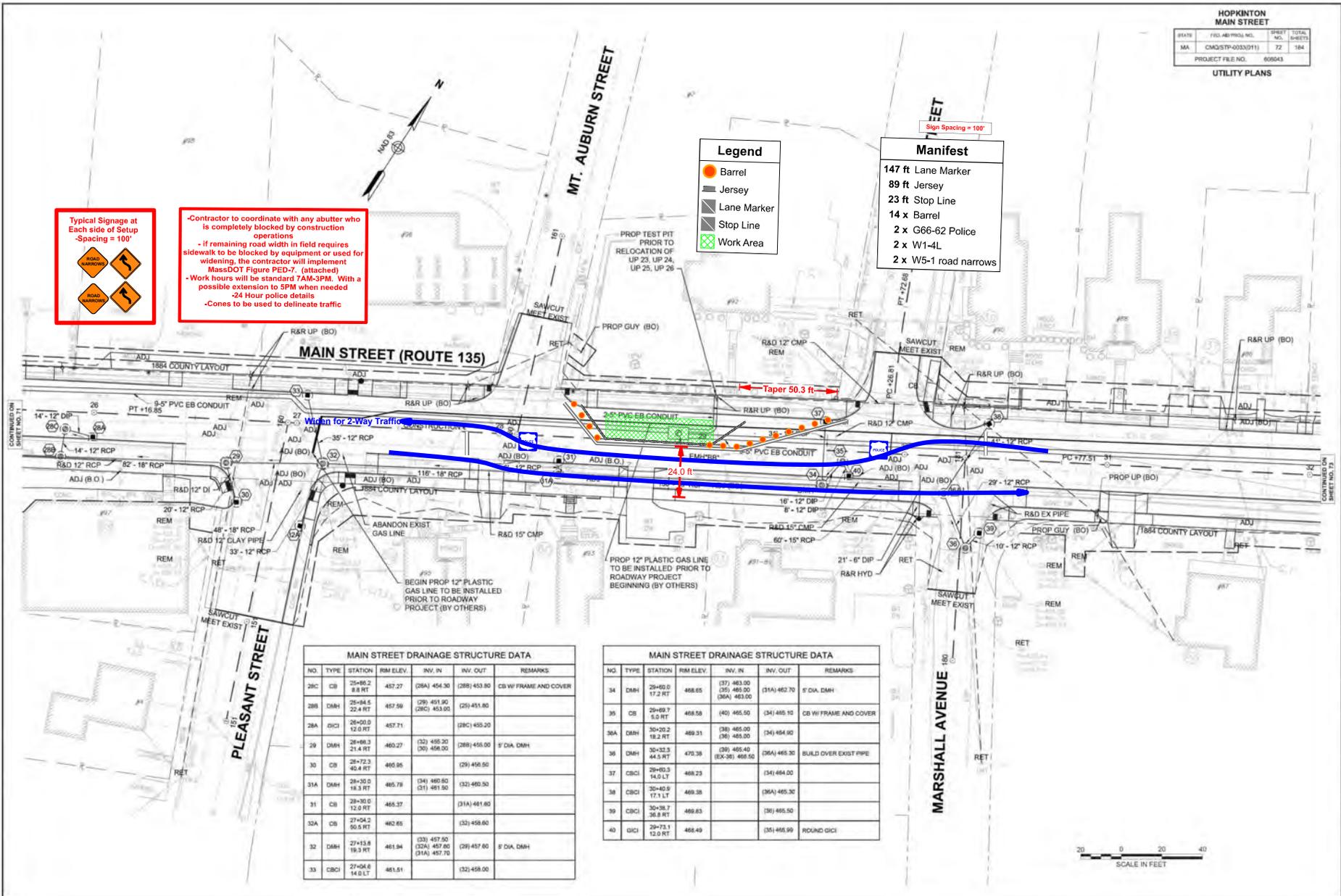
-Contractor to coordinate with any abutter who is completely blocked by construction operations
- If remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7, (attached)
- Work hours will be standard 7AM-3PM. With a possible extension to 5PM when needed
-24 Hour police details
-Cones to be used to delineate traffic

Legend

- Barrel
- Jersey
- Lane Marker
- Stop Line
- Work Area

Manifest

- 147 ft Lane Marker
- 89 ft Jersey
- 23 ft Stop Line
- 14 x Barrel
- 2 x G66-62 Police
- 2 x W1-4L
- 2 x W5-1 road narrows



NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
28C	CB	25+46.2 8.8 RT	457.27	(28A) 454.30 (28B) 453.80		CB W/ FRAME AND COVER
28B	DMH	25+84.5 22.4 RT	457.58	(28) 451.90 (28C) 453.00	(28) 451.80	
28A	CBICI	25+50.0 12.0 RT	457.71		(28C) 455.20	
29	DMH	25+89.3 21.4 RT	460.27	(32) 458.30 (30) 456.00	(28B) 455.00	5' DIA. DMH
30	CB	25+72.3 40.4 RT	465.85		(29) 458.50	
31A	DMH	25+30.0 18.3 RT	465.78	(34) 460.80 (31) 451.80	(32) 460.30	
31	CB	25+30.0 18.2 RT	465.37		(31A) 461.80	
30A	CB	27+04.2 50.5 RT	462.65		(32) 458.80	
32	DMH	27+13.8 19.3 RT	461.94	(33) 457.50 (32A) 457.80 (31A) 462.70	(28) 457.80	5' DIA. DMH
33	CBICI	27+04.6 14.0 LT	461.51		(32) 458.00	

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
34	DMH	29+62.0 17.2 RT	468.65	(37) 463.00 (35) 465.00 (36A) 463.00	(31A) 462.70	5' DIA. DMH
35	CB	29+69.7 15.0 RT	468.58	(40) 465.50	(34) 465.10	CB W/ FRAME AND COVER
36A	DMH	30+20.2 18.2 RT	469.31	(38) 465.00 (36) 465.00	(34) 464.80	
36	DMH	30+32.3 44.3 RT	475.38	(38) 465.40 (3X-36) 468.50	(36A) 465.30	BUILD OVER EXIST PIPE
37	CBICI	29+83.3 14.0 LT	468.23		(34) 464.00	
38	CBICI	30+48.9 17.1 LT	469.38		(36A) 465.30	
39	CBICI	30+38.7 36.8 RT	469.63		(36) 465.50	
40	CBICI	29+73.1 12.0 RT	468.49		(35) 466.90	ROUND CBICI



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STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/STP-0033(011)	71	184
PROJECT FILE NO. 606043			

UTILITY PLANS

Manifest

- 231 ft Lane Marker
- 91 ft Jersey
- 24 x Barrel
- 2 x G66-62 Police
- 2 x W1-4L
- 2 x W5-1 road narrows

Legend

- Barrel
- Jersey
- Lane Marker
- Work Area

Typical Signage at Each side of Setup
-Spacing = 100'

-Contractor to coordinate with any abutter who is completely blocked by construction operations
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Break or Dash in Fog Line at Side Street

Sign Spacing = 100'

Buffer 49.4 ft

75.5 ft

23.7 ft

Break in barrels for resident opening

Widen for 2-Way Traffic

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RM ELEV.	INV. IN	INV. OUT	REMARKS
16	DMH	20+24.4 21.4 RT	440.13	(17) 436.50 (20) 433.20 (18) 434.90	(15) 431.20	8" DIA DMH
17	CB	20+40.1 23.1 RT	440.39	(19) 436.70	(16) 436.80	CB W/ FRAME AND COVER
18	CIRC	20+53.0 14.0 LT	439.68		(16) 435.30	
18A	CIRC	21+07.5 14.0 LT	432.05		(22) 439.30	
19	GC	20+36.8 12.7 RT	439.47		(17) 436.80	
20	DMH	20+96.7 28.9 RT	440.93	(22) 435.70 (21) 436.20	(16) 435.80	
21	CB	20+98.8 38.1 RT	440.70		(20) 436.30	
22	DMH	21+33.5 25.4 RT	442.58	(24) 436.90 (18A) 436.20	(20) 436.80	8" DIAMETER DMH
23A	CB	22+13.8 9.8 RT	444.43	(23) 441.50	(24) 440.40	CB W/ FRAME AND COVER
23	GC	22+30.0 12.0 RT	444.88		(23A) 442.18	

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RM ELEV.	INV. IN	INV. OUT	REMARKS
24	DMH	22+42.8 21.4 RT	444.87	(25) 439.00 (23A) 440.20	(22) 438.90	
25	DMH	24+00.4 20.7 RT	450.75	(27) 446.20 (28) 443.70 (26) 444.50	(24) 442.50	9" DIAMETER DMH
26	CB	24+07.0 14.0 LT	450.50		(25) 447.00	
27	CB	24+12.2 9.8 RT	450.78	(28) 447.80	(25) 446.90	CB W/ FRAME AND COVER
28	GC	24+24.2 12.0 RT	451.21		(27) 448.71	



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MA	CMQ/STP-0333(011)	73	184
PROJECT FILE NO.		600643	

UTILITY PLANS

GENERAL NOTES

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- EVERSOURCE CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE
- RESIDENTIAL BUILDING - (1) 2" PVC
- COMMERCIAL BUILDING - (1) 4" PVC
- VERIZON CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC
- VERIZON CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 3" PVC
- COMCAST CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
- CROWN CASTLE CONDUIT FROM DUCT BANK TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
- COMM-TRACT CONDUIT FROM DUCT BANK TO HH AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 4" PVC

Sign Spacing = 100'

Manifest

- 184 ft Lane Marker
- 64 ft Jersey
- 22 ft Stop Line
- 21 x Barrel
- 3 x G66-62 Police
- 2 x Turn Signal
- 2 x W1-4L
- 2 x W5-1 road narrows

Legend

- Barrel
- Jersey
- Lane Marker
- Stop Line
- Work Area

Typical Signage at Each side of Setup - Spacing = 100'

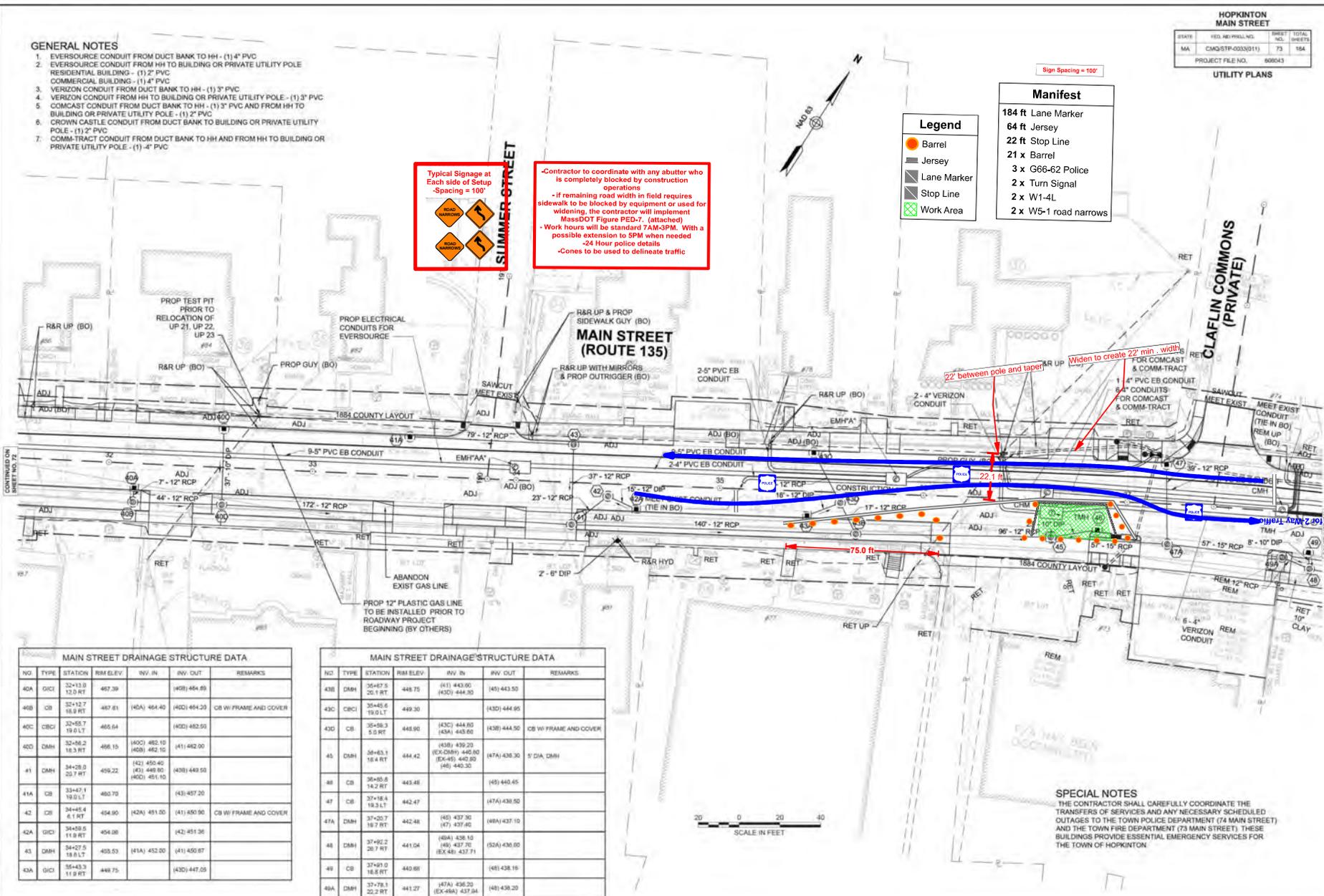
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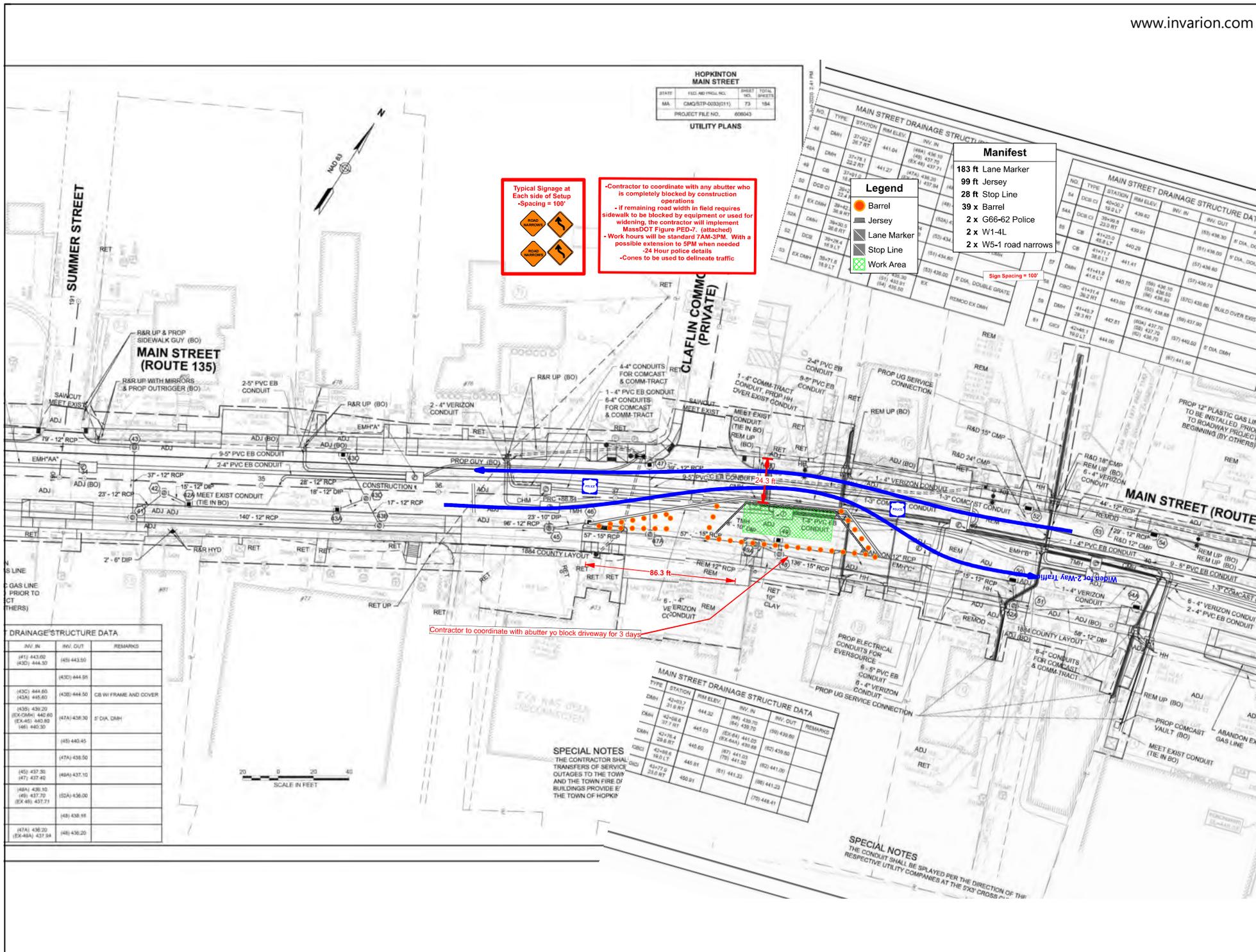


NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
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40B	CB	32+13.7 18.9 RT	467.81	(40A) 464.40	(40C) 464.25	CB W/ FRAME AND COVER
40C	CB	32+55.7 19.0 LT	465.64	(40D) 462.50		
40D	DMH	32+56.2 18.3 RT	466.15	(40C) 462.10	(41) 462.00	
41	DMH	34+28.0 25.7 RT	459.22	(42) 449.80 (43) 449.80 (40D) 451.10	(43B) 449.55	
41A	CB	33+47.1 19.0 LT	460.70	(43) 457.20		
42	CB	34+45.4 4.1 RT	454.90	(42A) 451.30	(41) 450.90	CB W/ FRAME AND COVER
42A	DCI	34+59.5 11.9 RT	454.06	(42) 451.36		
43	DMH	34+27.5 19.8 LT	455.53	(41A) 452.00	(41) 450.87	
43A	DCI	35+43.3 11.9 RT	449.75	(43D) 447.05		

NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
43B	DMH	35+47.5 26.1 RT	448.75	(41) 443.00 (43D) 444.30	(43) 443.50	
43C	CB	35+48.8 19.0 LT	449.30	(43D) 444.95		
43D	CB	35+59.3 5.5 RT	448.90	(43C) 444.80 (43A) 445.00	(43E) 444.50	CB W/ FRAME AND COVER
45	DMH	38+43.1 18.4 RT	444.42	(43B) 439.20 (EX-208) 445.00 (EX-45) 440.30 (46) 440.30	(47A) 438.30	3' DIA. DMH
46	CB	36+45.8 14.2 RT	443.48	(45) 440.45		
47	CB	37+18.4 19.3 LT	442.47	(47A) 438.50		
47A	DMH	37+20.7 18.7 RT	442.48	(46) 437.30 (47) 437.60	(48A) 437.10	
48	DMH	37+49.2 26.7 RT	441.04	(68A) 438.10 (48) 437.70 (EX-48) 437.71	(32A) 436.00	
49	CB	37+49.0 18.8 RT	440.85	(48) 438.15		
49A	DMH	37+79.1 22.2 RT	441.27	(47A) 436.30 (EX-48A) 437.84	(48) 436.20	

SPECIAL NOTES
THE CONTRACTOR SHALL CAREFULLY COORDINATE THE TRANSFERS OF SERVICES AND ANY NECESSARY SCHEDULED OUTAGES TO THE TOWN POLICE DEPARTMENT (7A MAIN STREET) AND THE TOWN FIRE DEPARTMENT (7A MAIN STREET). THESE BUILDINGS PROVIDE ESSENTIAL EMERGENCY SERVICES FOR THE TOWN OF HOPKINTON.

REVISED: 28-JAN-2020 2:41 PM



**HOPKINTON
MAIN STREET
UTILITY PLANS**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ/STP-003(011)	73	184
PROJECT FILE NO. 609043			



-Contractor to coordinate with any abutter who is completely blocked by construction operations
 -If remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7. (attached)
 -Work hours will be standard 7AM-3PM. With a possible extension to 5PM when needed
 -24 Hour police details
 -Cones to be used to delineate traffic

Legend

- Barrel
- Jersey
- Lane Marker
- Stop Line
- Work Area

- Manifest**
- 183 ft Lane Marker
 - 99 ft Jersey
 - 28 ft Stop Line
 - 39 x Barrel
 - 2 x G66-62 Police
 - 2 x W1-4L
 - 2 x W5-1 road narrows

MAIN STREET DRAINAGE STRUCTURE DATA

NO.	TYPE	STATION	RM ELEV.	INV. IN.	INV. OUT.	REMARKS
46	DMH	37+02.2	38.7 RT	441.04		
48A	DMH	37+78.1	32.2 RT	441.27		
49	CB	37+41.0		437.94	437.71	
50	DCB CI	25+4	22.4			
51	EX DMH	39+24.1	36.8 RT			
52A	DMH	39+24.1	36.8 RT			
52	DCB	39+24.4	42.9 LT			
53	EX DMH	39+71.9	19.8 LT			

DRAINAGE STRUCTURE DATA

INV. IN.	INV. OUT.	REMARKS
(41) 443.60	(45) 443.50	
(43) 444.30	(43) 444.30	
(43C) 444.60	(43D) 444.30	CB W/ FRAME AND COVER
(43A) 445.60		
(53) 436.20	(57A) 438.30	8" DIA. DMH
(EX-50A) 442.60		
(EX-45) 440.80		
(46) 440.30	(45) 440.45	
(45) 437.30	(47A) 438.50	
(47) 437.40	(48A) 437.10	
(48A) 436.10	(52A) 436.00	
(49) 437.70		
(EX-48) 437.71	(49) 438.10	
(47A) 436.20	(48) 436.20	
(EX-48A) 437.54		

MAIN STREET DRAINAGE STRUCTURE DATA

TYPE	STATION	RM ELEV.	INV. IN.	INV. OUT.	REMARKS
DMH	42+03.7	31.8 RT	441.32	(66) 439.70	
DMH	42+08.6	37.7 RT	445.05	(67) 439.70	
DMH	42+18.4	29.9 RT	440.60	(67A) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67B) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67C) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67D) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67E) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67F) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67G) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67H) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67I) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67J) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67K) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67L) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67M) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67N) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67O) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67P) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67Q) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67R) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67S) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67T) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67U) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67V) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67W) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67X) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67Y) 441.00	
DCB CI	42+49.6	19.0 LT	440.81	(67Z) 441.00	

Contractor to coordinate with abutter to block driveway for 3 days

SPECIAL NOTES
 THE CONTRACTOR SHALL TRANSFERS OF SERVICE OUTAGES TO THE TOWN AND THE TOWN FIRE DEPT BUILDINGS PROVIDE E/ THE TOWN OF HOPKIN

SPECIAL NOTES
 THE CONDUIT SHALL BE SPRAYED PER THE DIRECTION OF THE RESPECTIVE UTILITY COMPANIES AT THE 5X3' CROSS

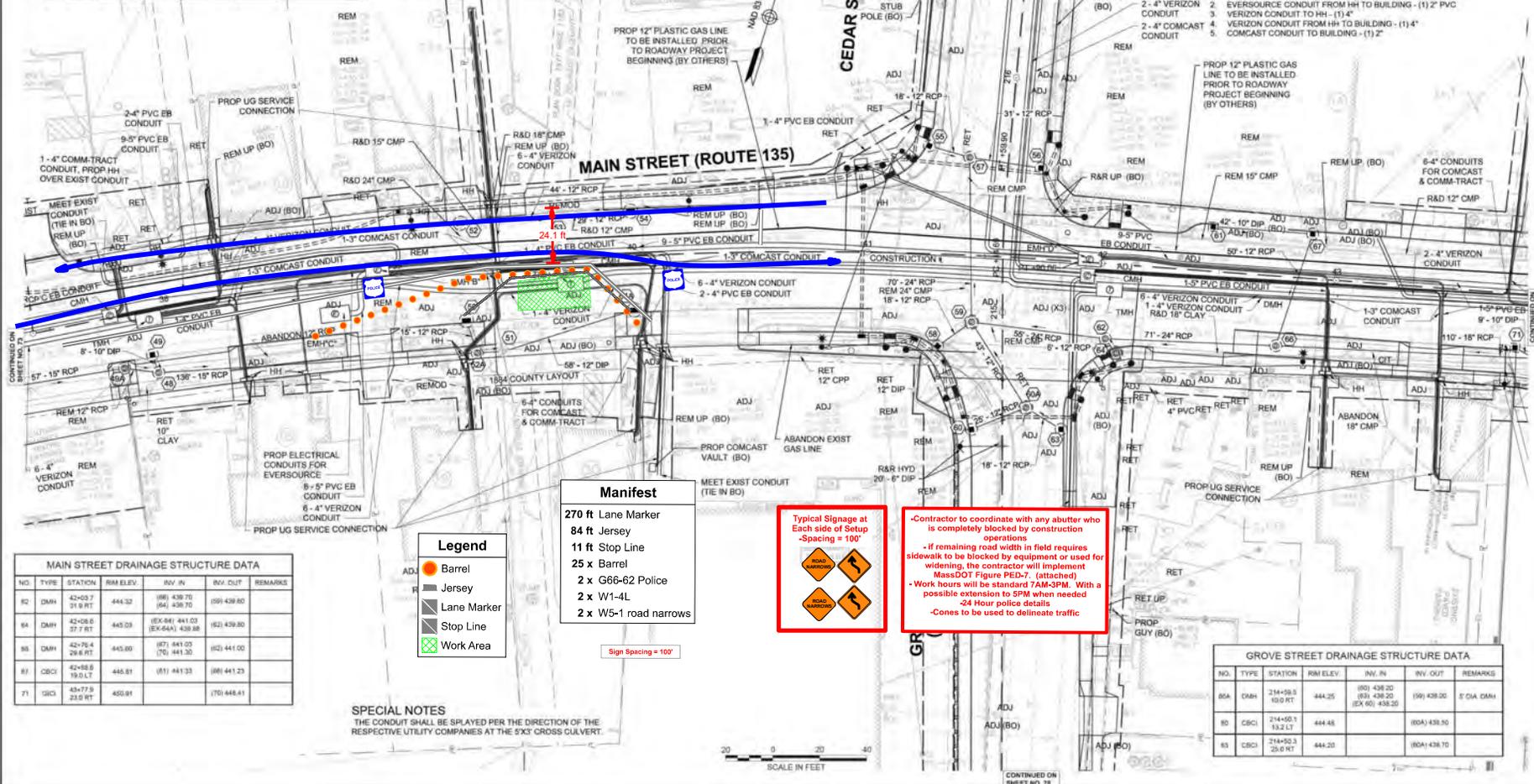


HOPKINTON MAIN STREET				
DATE	ISSUED BY	PROJECT NO.	SHEET NO.	TOTAL SHEETS
MA	CMQSTP-0330(1)	74	104	
PROJECT FILE NO.		690643		

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
48	DMH	17+92.2 28.7 RT	441.04	(89) 439.10 (EX 48) 437.71	(52A) 436.00	
49A	DMH	17+78.1 22.2 RT	441.27	(47A) 439.20 (EX 49A) 437.94	(48) 438.20	
49	CS	17+81.2 18.8 RT	440.88		(48) 438.16	
50	DCB CI	18+27.2 22.4 RT	439.37		(52A) 436.00	8" DIA. DOUBLE GRATE
51	EX DMH	18+42.3 26.9 RT	430.71	(52A) 434.54 (54A) 435.90	(53) 434.54	REMO EX DMH
52A	DMH	18+30.5 26.0 RT	440.03	(48) 434.70 (50) 435.80	(51) 434.80	
52	DCB	18+28.4 18.8 LT	438.32		(53) 436.00	8" DIA. DOUBLE GRATE
53	EX DMH	18+71.8 18.9 LT	438.42	(52) 435.30 (54) 433.91	EX	REMO EX DMH

MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
54	DCB CI	18+50.2 19.0 LT	439.82		(53) 436.30	8" DIA. DOUBLE GRATE
54A	DCB CI	18+58.8 22.9 RT	439.81		(51) 436.00	8" DIA. DOUBLE GRATE
55	CB	11+28.0 45.8 LT	440.29		(57) 438.80	
56	CE	11+71.7 38.6 LT	441.41		(57) 436.70	
57	DMH	11+41.9 41.6 LT	440.70	(59) 439.10 (55) 436.50 (56) 436.30	(57C) 435.00	BUILD OVER EXIST PIPE
58	CBCI	11+31.4 39.2 RT	443.00	(EX 58) 439.88	(59) 437.80	
58	DMH	11+40.7 26.3 RT	442.81	(50A) 437.70 (58) 437.70 (62) 436.70	(57) 440.50	8" DIA. DMH
61	GCI	12+48.1 19.0 LT	444.00		(67) 441.50	

- GENERAL NOTES**
- EVERSOURCE CONDUIT FROM DUCT BANK TO HH - (1) 4" PVC
 - EVERSOURCE CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE
 - RESIDENTIAL BUILDING - (1) 2" PVC
 - COMMERCIAL BUILDING - (1) 4" PVC
 - VERIZON CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC
 - VERIZON CONDUIT FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 3" PVC
 - COMCAST CONDUIT FROM DUCT BANK TO HH - (1) 3" PVC AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
 - CROWN CASTLE CONDUIT FROM DUCT BANK TO BUILDING OR PRIVATE UTILITY POLE - (1) 2" PVC
 - COMM-TRACT CONDUIT FROM DUCT BANK TO HH AND FROM HH TO BUILDING OR PRIVATE UTILITY POLE - (1) 4" PVC
- GENERAL NOTES**
- EVERSOURCE CONDUIT TO HH - (1) 4" PVC
 - EVERSOURCE CONDUIT FROM HH TO BUILDING - (1) 2" PVC
 - 2 - 4" VERIZON CONDUIT TO HH - (1) 4"
 - 2 - 4" COMCAST CONDUIT TO BUILDING - (1) 4"
 - COMCAST CONDUIT TO BUILDING - (1) 2"



MAIN STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
62	DMH	42+02.7 21.8 RT	444.32	(88) 439.70 (94) 439.70	(89) 439.80	
64	DMH	42+08.6 37.7 RT	443.03	(83-86) 441.03 (EX 64A) 439.88	(82) 439.80	
65	DMH	42+76.4 26.8 RT	443.60	(87) 441.03 (70) 441.30	(82) 441.00	
68	CBCI	42+58.8 19.0 LT	445.81	(81) 441.33	(88) 441.23	
71	GCI	43+77.9 23.5 RT	450.81		(70) 448.61	

GROVE STREET DRAINAGE STRUCTURE DATA						
NO.	TYPE	STATION	RIM ELEV.	INV. IN	INV. OUT	REMARKS
85A	DMH	214+59.5 02.0 RT	444.25	(80) 438.20 (83) 438.20 (EX 80) 438.20	(89) 438.00	8" DIA DMH
80	CBCI	214+05.1 13.2 LT	444.48		(80A) 438.50	
83	CBCI	214+02.3 25.0 RT	444.20		(80A) 438.70	

SPECIAL NOTES
THE CONDUIT SHALL BE LAYED PER THE DIRECTION OF THE RESPECTIVE UTILITY COMPANIES AT THE SIX' CROSS CULVERT.



Manifest

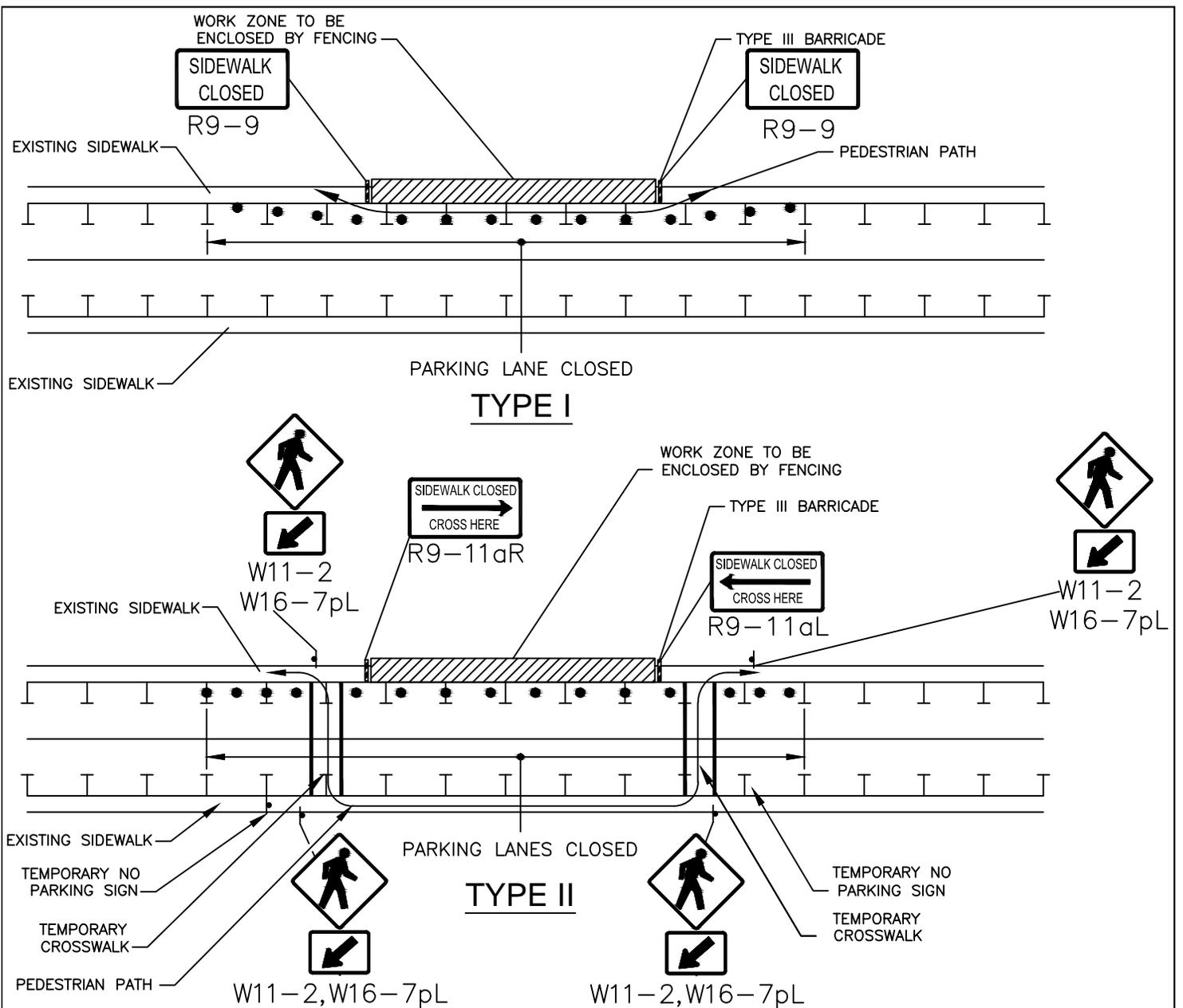
- 270 ft Lane Marker
- 84 ft Jersey
- 11 ft Stop Line
- 25 x Barrel
- 2 x G66-62 Police
- 2 x W1-4L
- 2 x W5-1 road narrows

Sign Spacing = 100'

Typical Signage at Each side of Setup - Spacing = 100'

-Contractor to coordinate with any abutter who is completely blocked by construction operations

- If remaining road width in field requires sidewalk to be blocked by equipment or used for widening, the contractor will implement MassDOT Figure PED-7, (attached)
- Work hours will be standard 7AM-3PM. With a possible extension to 5PM when needed
- 24 Hour police details
- Cones to be used to delineate traffic



NOTES

1. ADDITIONAL ADVANCE WARNING MAY BE NECESSARY.
2. CONTROLS ONLY FOR PEDESTRIAN TRAFFIC ARE SHOWN. VEHICULAR TRAFFIC SHOULD BE HANDLED AS SHOWN ELSEWHERE.
3. STREET LIGHTING SHOULD BE CONSIDERED WHEN LOCATING CONTROL DEVICES.
4. IF THE WORK ZONE DOES NOT PERMIT PEDESTRIANS TO TRAVEL ADJACENT TO IT AS SHOWN IN PEDESTRIAN BYPASS TYPE I, TEMPORARY CROSSWALKS WITH APPROPRIATE SIGNS SHOULD BE INSTALLED TO CROSS PEDESTRIANS TO THE OPPOSITE SIDE OF THE STREET AS SHOWN IN PEDESTRIAN BYPASS TYPE II, AND AS DIRECTED BY THE ENGINEER. TEMPORARY CURB RAMPS WILL BE REQUIRED AT ALL TEMPORARY CROSSWALK LOCATIONS.
5. BYPASS IS TO BE USED IN CONJUNCTION WITH THE PROPOSED LANE CLOSURE DETAILS AND DURING CONSTRUCTION STAGING, AS DIRECTED BY THE ENGINEER.
6. THE TEMPORARY SIDEWALK SHOULD BE A MINIMUM OF 4 FEET WIDE. IF THIS WALKWAY EXCEEDS 200 FEET THEN A 5 FOOT X 5 FOOT PASSING ZONE. (FOR SHORT TERM SETUPS < 10 HOURS, THIS CONDITION MAY BE WAIVED. A NOTE WOULD NEED TO BE INCLUDED IN THE TTCP THAT STATES HOW THE CONTRACTOR SHOULD ADDRESS THIS ISSUE.)



Standard
Details and Drawings
for the
Development of
Temporary Traffic Control Plans

FIGURE PED-7
PEDESTRIAN BYPASS

NOT TO SCALE