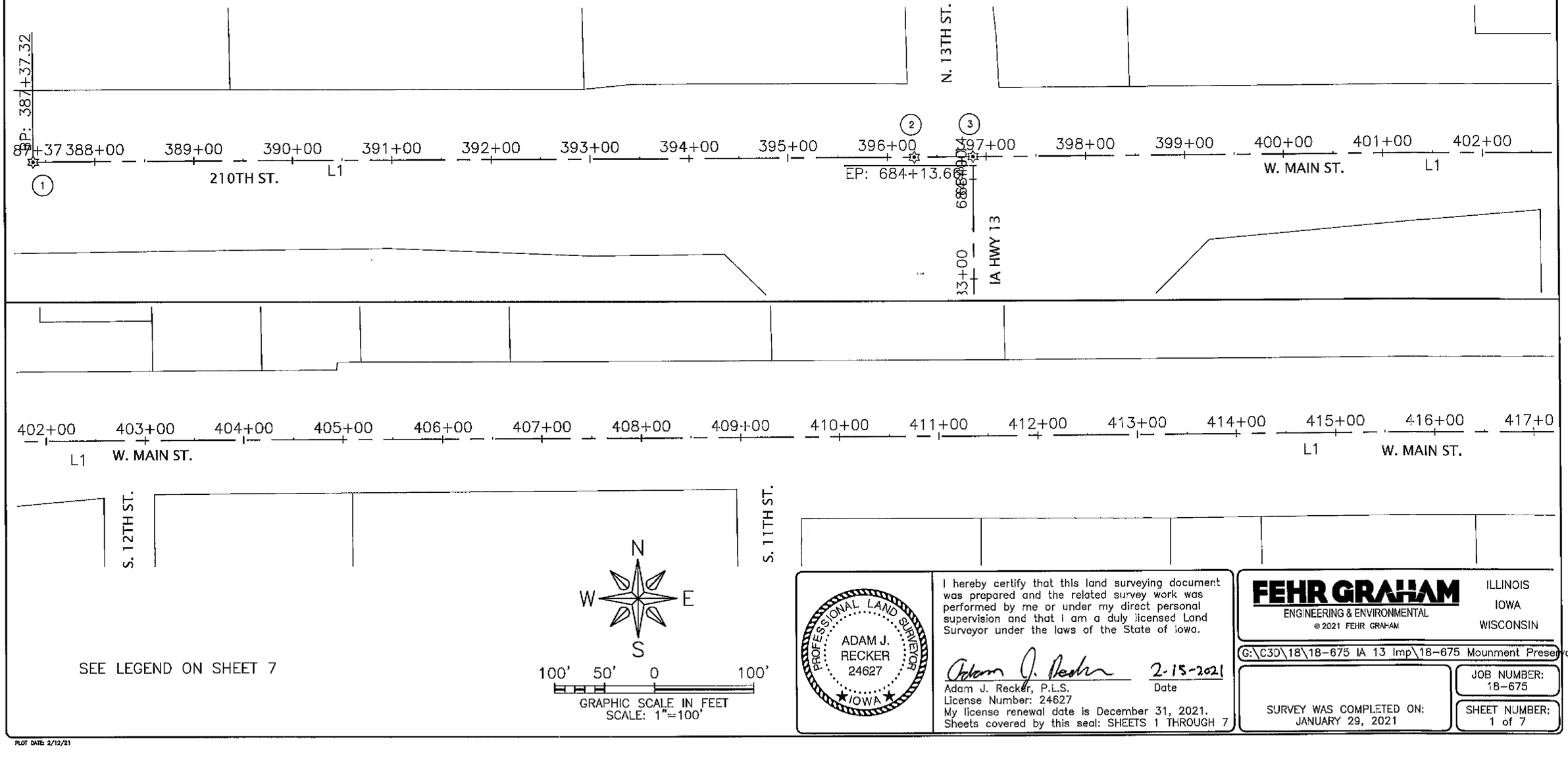
PREPARED BY/RETURN TO: FEHR GRAHAM, 221 E. MAIN ST., SUITE 301, MANCHESTER, IA 52057 – PH: (563)927-2060

RECORDER'S INDEX
COUNTY: DELAWARE
SECTION: 20, 29, 30, 31 & 32 T89M-R5W
QUARTER SECTION: N/A
CITY: MANCHESTER
SUBDIVISION: N/A
BLOCK: N/A
LOT(S): N/A
PROPRIETOR: IOWA DOT
REQUESTED BY: IOWA DOT

MONUMENT PRESERVATION CERTIFICATE
DELAWARE COUNTY HMA RESURFACING
ON IOWA HIGHWAY 13
CITY OF MANCHESTER, DELAWARE COUNTY, IOWA
PROJECT NO. NHSN-013-2(44)--2R-28

Recorded: 2/17/2021 at 11:00:04.0 AM
County Recording Fee: $37.00
Iowa E-Filing Fee: $3.69
Combined Fee: $40.69
Revenue Tax:
Delaware County, Iowa
Daneen Schindler RECORDER
BK: 2021 PG: 589



SEE LEGEND ON SHEET 7

PROFESSIONAL LAND SURVEYOR
ADAM J. RECKER
24627
IOWA

I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly licensed Land Surveyor under the laws of the State of Iowa.

Adam J. Recker 2-15-2021

Adam J. Recker, P.L.S. Date
License Number: 24627
My license renewal date is December 31, 2021.
Sheets covered by this seal: SHEETS 1 THROUGH 7

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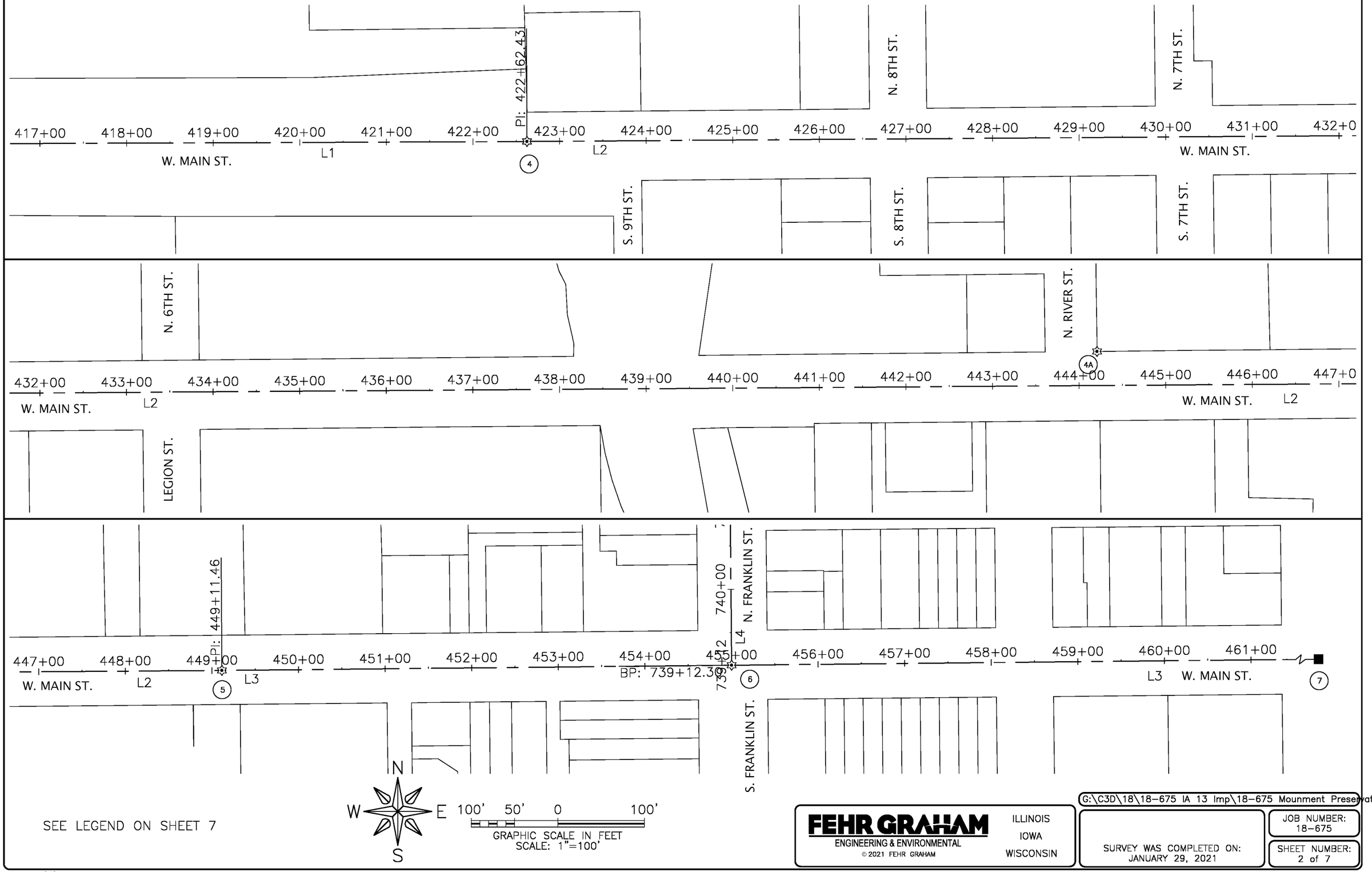
SURVEY WAS COMPLETED ON: JANUARY 29, 2021

JOB NUMBER: 18-675

SHEET NUMBER: 1 of 7

PLOT DATE: 2/12/21

PREPARED BY/RETURN TO: FEHR GRAHAM, 221 E. MAIN ST., SUITE 301, MANCHESTER, IA 52057 – PH: (563)927-2060



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SURVEY WAS COMPLETED ON:
JANUARY 29, 2021

JOB NUMBER:
18-675

SHEET NUMBER:
2 of 7

PLOT DATE: 2/12/21

PREPARED BY/RETURN TO: FEHR GRAHAM, 221 E. MAIN ST., SUITE 301, MANCHESTER, IA 52057 – PH: (563)927-2060

W. MAIN ST.
W. FAYETTE ST.
W BUTLER ST.
W. HOWARD ST.
W. UNION ST.
N. FRANKLIN ST.
E. FAYETTE ST.
E. BUTLER ST.
E. HOWARD ST.
E. UNION ST.
STEARNS DR.
LIBERTY ST.
GAY ST.
E. PROSPECT ST.
CIRCLE DR.
CLARA AVE.
STEELEY ST.
W. ACRES ST.
E. ACRES ST.

POT: 739+12.30
454+00
455+00
456+00
739+12
740+00
741+00
742+00
743+00
744+00
745+00
745+74.00
746+00
747+00
748+00
749+00
750+00
751+00
752+00
POT: 752+32.65
753+00
754+00
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774+00
775+00
PI: 775+15.35
776+00
PI: 775+80.45
777+00
778+00
779+00
780+00
781+00
782+00
783+00
784+00
L4
L5
L6
L7
L8

SEE LEGEND ON SHEET 7

N
E
S
W

100' 50' 0 100'
GRAPHIC SCALE IN FEET
SCALE: 1"=100'

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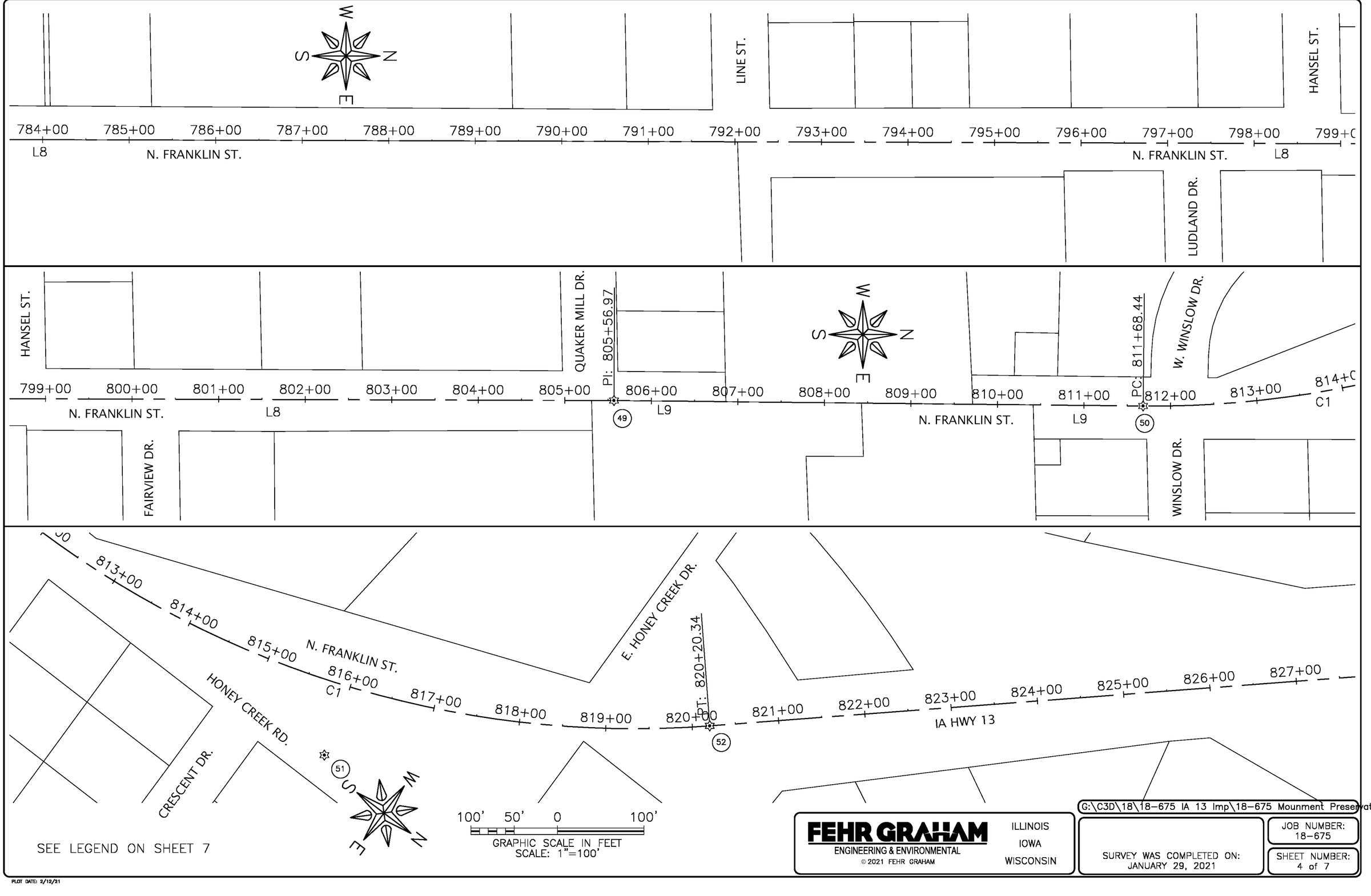
SURVEY WAS COMPLETED ON:
JANUARY 29, 2021

JOB NUMBER:
18-675

SHEET NUMBER:
3 of 7

PLOT DATE: 2/12/21

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SURVEY WAS COMPLETED ON:
JANUARY 29, 2021

JOB NUMBER:
18-675

SHEET NUMBER:
4 of 7

PLOT DATE: 2/12/21

Monument Preservation Monument Table

Point Number	Road Monument	Found	Set	Northing	Easting	Station	Offset
1	PI	N/A	MAG NAIL	9114090.59	13423660.63	387+37.32	0.00
2		MAG NAIL	MAG NAIL W/SSW #24627	9114094.41	13424550.60	396+27.30	-0.13
3	POT	N/A	MAG NAIL	9114094.53	13424609.90	396+86.60	0.00
4	PI	MAG NAIL	MAG NAIL W/SSW #24627	914105.22	13427185.72	422+62.43	0.00
4a		MAG NAIL W/SSW #17939	MAG NAIL W/SSW #24627	9114160.52	13429342.59	444+19.65	-40.07
5	PI	MAG NAIL W/SSW #10165	MAG NAIL W/SSW #24627	9114123.93	13429834.67	449+11.46	0.00
6	POT	N/A	MAG NAIL	914129.99	13430423.35	455+00.17 & 739+12.30	0.00
7	PI	MAG NAIL W/SSW #7060	MAG NAIL W/SSW #7060	9114151.56	13432517.72	475+94.65	0.00
8	PI	N/A	MAG NAIL	9114791.67	13430417.24	745+74	0.00
9	PI	N/A	MAG NAIL	9114791.67	13430417.54	745+74	0.00
10		1/2"Ø REBAR W/ALUM CAP	1/2"Ø REBAR W/RPC #24627	9114831.72	13430376.90	746+14.53	-40.15
11		1/2"Ø REBAR		9115163.34	13430453.29	749+45.20	40.28
12	PI	N/A	MAG NAIL	9115450.29	13430409.50	752+32.65	0.00
13	PI	N/A	MAG NAIL	9115450.29	13430410.55	752+32.65	0.00
14		T POST	1/2"Ø REBAR W/RPC #24627	9115486.07	13430371.48	752+68.15	-39.32
15		CUT "X"		9115487.28	13430451.22	752+69.93	40.39
16		1/2"Ø REBAR W/OPC #17939		9115597.29	13430451.98	753+79.94	40.39
17		1/2"Ø REBAR W/RPC #24627	1/2"Ø REBAR W/RPC #24627	9115758.25	13430452.70	755+40.91	39.97
18		1/2"Ø REBAR		9115863.09	13430453.50	756+45.75	40.02
19		1"Ø PIPE		9115898.09	13430371.51	756+80.16	-42.22
20		1/2"Ø REBAR W/OPC #17939		9115908.07	13430453.71	756+90.72	39.90
21		1/2"Ø REBAR	1/2"Ø REBAR W/RPC #24627	9115968.31	13430453.95	757+50.97	39.72
22		1"Ø PIPE		9115972.39	13430372.76	757+54.47	-41.50
23		1"Ø PIPE		9116120.94	13430373.45	759+03.02	-41.86
24		5/8"Ø REBAR		9116123.22	13430373.89	759+05.30	-41.45
25		5/8"Ø REBAR		9116492.34	13430377.47	762+74.44	-40.49
26		1/2"Ø REBAR W/ALUM CAP		9116556.12	13430379.40	763+38.23	-39.01

SEE LEGEND ON SHEET 7

Point Number	Road Monument	Found	Set	Northing	Easting	Station	Offset
28		1/2"Ø PIPE		9116696.00	13430380.56	764+78.11	-38.84
29		1/2"Ø REBAR		9116949.90	13430457.87	767+32.56	36.66
30		1/2"Ø REBAR		9117070.42	13430456.95	768+53.06	34.89
31		1/2"Ø REBAR		9117220.15	13430380.42	770+02.25	-42.71
32		1"Ø PIPE		9117226.80	13430462.37	770+09.48	39.19
33		1/2"Ø REBAR W/YPC #8812		9117300.06	13430380.84	770+82.16	-42.86
34		1"Ø PIPE		9117325.74	13430462.69	771+08.42	38.80
35		CUT "X"		9117446.34	13430383.33	772+28.57	-41.44
36		SQUARE TUBING		9117535.78	13430381.74	773+17.88	-43.64
37		1/2"Ø REBAR		9117639.04	13430458.70	774+21.69	32.59
38	PI	N/A	MAG NAIL	9117732.93	13430426.78	775+15.35	0.00
39		1/2"Ø REBAR	SET CUT "X"	9117745.29	13430380.75	775+26.58	-46.32
40	PI	N/A	MAG NAIL	9117798.01	13430428.37	775+80.45	0.00
41		1/2"Ø REBAR W/RPC #8418		9117834.78	13430464.04	776+17.33	35.56
42		1/2"Ø REBAR		9117919.51	13430464.15	777+02.06	35.41
43		1"Ø PIPE	1/2"Ø REBAR W/RPC #24627	9117966.91	13430461.53	777+49.45	32.65
44		ANGLE IRON		9117982.62	13430461.94	777+65.16	33.01
45		1"Ø PIPE		9118178.02	13430398.58	779+60.36	-30.94
46		1\2"Ø PIPE		9118299.49	13430398.80	780+81.83	-31.09
47		1\2"Ø PIPE BENT	1/2"Ø REBAR W/RPC #24627	9118358.57	13430398.53	781+40.92	-31.54
48		1/2"Ø REBAR W/RPC #17939	SET CUT "X"	9118412.97	13430464.71	781+95.51	34.47
49	PI	N/A	MAG NAIL	9120774.52	13430437.41	805+56.97	0.00
50	PC	N/A	MAG NAIL	9121385.96	13430443.79	811+68.44	0.00
51	PI	N/A	MAG NAIL	9121832.65	13430448.44	815+94.39	84.00
52	PT	N/A	MAG NAIL	9122164.64	13430149.54	820+20.34	0.00

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SURVEY WAS COMPLETED ON:
JANUARY 29, 2021

JOB NUMBER:
18–675

SHEET NUMBER:
6 of 7

PLOT DATE: 2/12/21

LINE TABLE				
LINE #	LENGTH	DIRECTION	START POINT	END POINT
L1	3525.113	N89° 45' 44.13"E	(13423660.6270,9114090.5930)	(13427185.7100,9114105.2200)
L2	2649.027	N89° 35' 43.30"E	(13427185.7100,9114105.2200)	(13429834.6710,9114123.9280)
L3	2683.187	N89° 24' 35.88"E	(13429834.6710,9114123.9280)	(13432517.7160,9114151.5590)
L4	661.711	N00° 31' 45.57"W	(13430423.3507,9114129.9904)	(13430417.2376,9114791.6737)
L5	658.650	N00° 41' 57.77"W	(13430417.5376,9114791.6768)	(13430409.4980,9115450.2777)
L6	2282.700	N00° 24' 26.65"E	(13430410.5479,9115450.2905)	(13430426.7790,9117732.9328)
L7	65.100	N01° 23' 51.18"E	(13430426.7790,9117732.9328)	(13430428.3667,9117798.0134)
L8	2976.521	N00° 10' 26.88"E	(13430428.3667,9117798.0134)	(13430437.4130,9120774.5208)
L9	611.467	N00° 35' 49.95"E	(13430437.4130,9120774.5208)	(13430443.7863,9121385.9550)

CURVE TABLE										
CURVE #	R	L	T	Δ	CHORD	BEARING	E	PC STA	PI STA	PT STA
C1	1145.92	851.90	446.72	84.00	832.42	N20°42'01"W	78.26	811+68.44	815+94.39	820+20.34

PROJECT DESCRIPTION:
HMA RESURFACING WITH SIDEWALK REPAIR, WATER MAIN AND STORM SEWER IMPROVEMENTS

LOCATION:
IN THE CITY OF MANCHESTER, ON IOWA HIGHWAY 13 FROM 13TH STREET TO HONEY CREEK BRIDGE.

JURISDICTION:
IOWA DOT DISTRICT 6 OFFICE
CITY OF MANCHESTER

PRESERVATION METHOD:
PRIOR TO PROJECT START, A SURVEY WAS PERFORMED TO LOCATE EXISTING ROAD ALIGNMENT MONUMENTS AND OTHER MONUMENTS WITHIN THE PUBLIC IMPROVEMENT CORRIDOR. THIS SURVEY DRAWING INDICATES WHICH MONUMENTS WERE DESTROYED AND HAVE BEEN RESET AT THE PREVIOUSLY SURVEYED LOCATION.

COORDINATE SYSTEM:
IOWA REGIONAL COORDINATE SYSTEM
DATUM: NAD 1983 (CONUS)
ZONE: 3 ELKADER
GEOID: 12A (CONUS)
US SURVEY FOOT

REFERENCE IS HEREBY MADE TO A 1962 IOWA DOT SET OF PLANS FOR A.C. RESURFACING ON IOWA HIGHWAY 13 WITH A PROJECT NUMBER OF FN–13–2(9)––21–28; MADE TO A 1983 IOWA DOT SET OF PLANS FOR GRADING, A.C.C. PAVING AND A.C.C. WIDENING & RESURFACING ON IOWA HIGHWAY 13 WITH A PROJECT NUMBER OF BRF–F–13–2(22)––2P–28.

NORTH FRANKLIN ALIGNMENT HAS TWO LATERAL SHIFTS IN ALIGNMENT. THE FIRST ALIGNMENT LATERAL SHIFT IS AT BUTLER STREET INTERSECTION WITH NORTH FRANKLIN STREET, PI STA. 745+74 LATERAL OFFSET 0.3 FEET RIGHT. THE SECOND ALIGNMENT LATERAL SHIFT IS AT UNION STREET INTERSECTION WITH NORTH FRANKLIN STREET, PI STA. 752+32.65 LATERAL OFFSET 1.05 FEET RIGHT. BOTH LATERAL ALIGNMENT SHIFTS ARE SHOWN IN THE PLANS AND TABLE.

LEGEND

■	FOUND AS DESCRIBED
×	SET CUT "X"
✡	SET MAG NAIL
⊙	SET 1/2"ø REBAR W/RPC #24627
———	EXISTING PROPERTY LINE
——— – ———	EXISTING CENTERLINE ROAD
SSW	STAINLESS STEEL WASHER
OPC	ORANGE PLASTIC CAP
RPC	RED PLASTIC CAP
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PT	POINT OF TANGENT

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SURVEY WAS COMPLETED ON:
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7 of 7

PLOT DATE: 2/12/21