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LETTING DATE
JUNE 16, 2026

THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS PART OF THESE CONTRACT DOCUMENTS. REFER TO SECTION 2602 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL INFORMATION.

VALUE ENGINEERING SAVES. REFER TO ARTICLE 1105.13 OF THE SPECIFICATIONS

REFER TO THE PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS

REFER TO SHEET C.8 FOR ALL APPLICABLE STANDARD ROAD PLANS

TOTAL SHEETS
106

IOWA | DOT

ROADWAY IMPROVEMENT PLANS FOR URBAN ROAD SYSTEM

CITY OF FORT DODGE

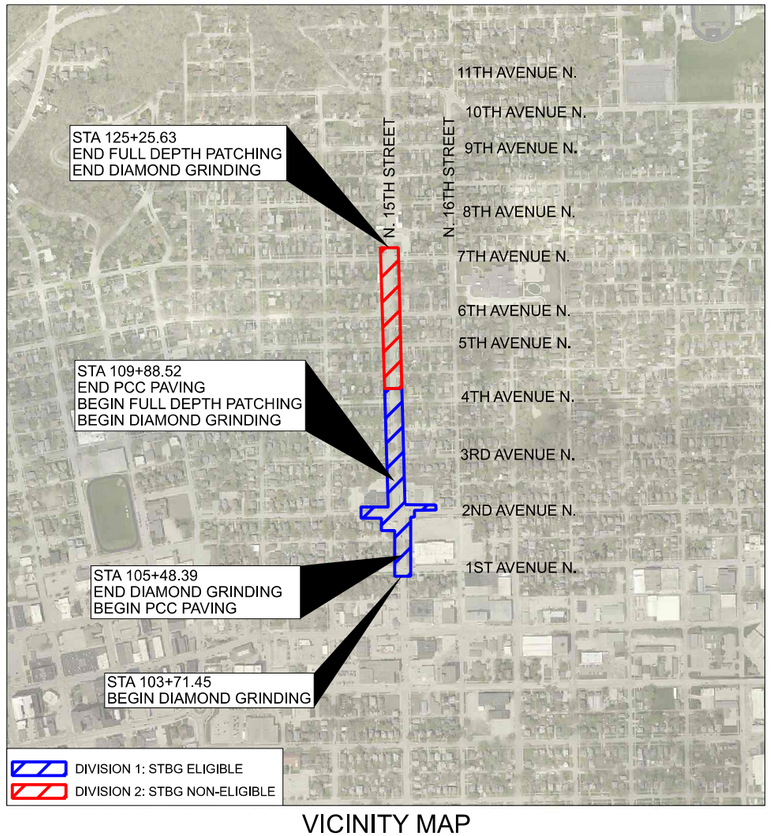
WEBSTER COUNTY, IOWA

N. 15TH STREET CORRIDOR IMPROVEMENTS

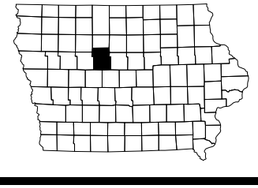
IN THE CITY OF FORT DODGE, ON N 15TH ST, FROM 1ST AVE N TO 7TH AVE N

STBG: STP-U-2690(643)--70-94

PCC PAVEMENT - GRADE AND REPLACE



VICINITY MAP



NOT TO SCALE

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

CITY OF FORT DODGE

INDEX OF SHEETS

A.1	TITLE SHEET
B.1-B.3	TYPICAL SECTIONS AND DETAILS
C.1-C.15	QUANTITIES, TABLES, ESTIMATE REFERENCE INFORMATION
D.1	LEGEND SHEET
D.2-D.3	N. 15TH STREET PLAN AND PROFILE SHEETS
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F.1-F.3	REMOVAL SHEETS
G.1	SURVEY SHEETS
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HE.1	2ND AVENUE N. RIGHT OF WAY SHEETS
J.1-J.7	TRAFFIC CONTROL AND STAGING SHEETS
L.1-L.5	GEOMETRIC, STAKING, AND JOINTING SHEETS
M.1-M.3	STORM SEWER SHEETS
MWM.1-MWM.4	WATER MAIN SHEETS
N.1-N.11	TRAFFIC SIGNAL SHEETS
PM.1-PM.3	PAVEMENT MARKING SHEETS
RC.1-RC.3	SEDIMENT CONTROL QUANTITIES TABULATIONS
RR.1-RR.3	EROSION CONTROL PLAN SHEETS
S.1-S.24	SIDEWALK SHEETS
T.1-T.3	EARTHWORK QUANTITIES
U.1	KWIK STAR PLAN SHEET
W.1-W.3	N. 15TH STREET CROSS SECTIONS
X.1-X.3	2ND AVENUE N. CROSS SECTIONS

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	JORDAN M. STOERMER	PRIMARY SIGNATURE BLOCK
A.1	TODD D. KNOX	TRAFFIC SIGNAL SHEETS

TODD D. KNOX P19530 LICENSED PROFESSIONAL ENGINEER IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Todd D Knox 2/27/26

Todd D. Knox, P.E. Date

License Number P19530

My License Renewal Date is December 31, 2026

Pages or sheets covered by this seal:
SHEETS N.1-N.11

JORDAN M. STOERMER P24485 LICENSED PROFESSIONAL ENGINEER IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Jordan Stoermer 2/27/26

Jordan M. Stoermer, P.E. Date

License Number P24485

My License Renewal Date is December 31, 2027

Pages or sheets covered by this seal:
ALL SHEETS EXCEPT SHEETS N.1-N.11

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		
Technician: EIG	Date: 2/24/2026	T-R-S:	
	STP-U-2690(643)--70-94		Sheet A.1
	Project No: 124.0890.01		

N. 15TH STREET IMPROVEMENTS
TITLE SHEET
STP-U-2690(643)--70-94

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet A.1

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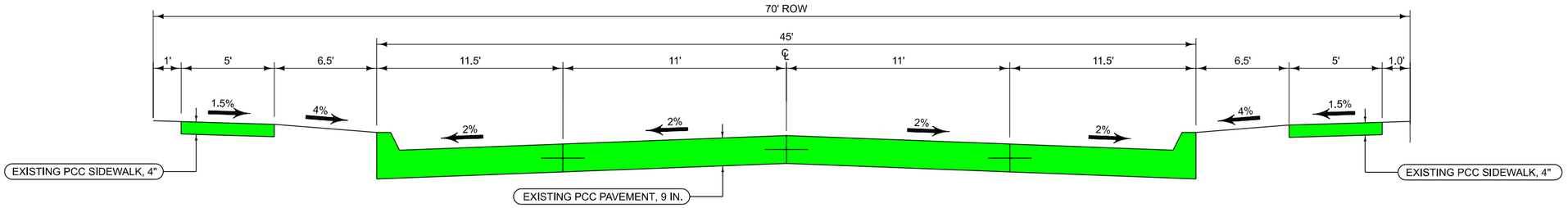
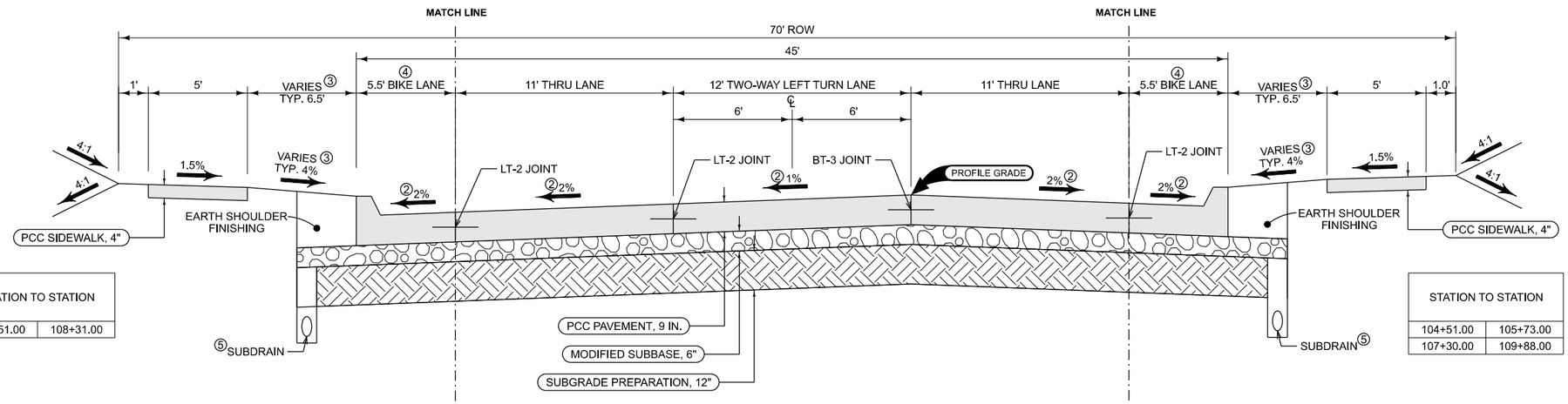


EXISTING TYPICAL CROSS SECTION
45' WIDE, 9" PCC PAVEMENT
N 15TH STREET

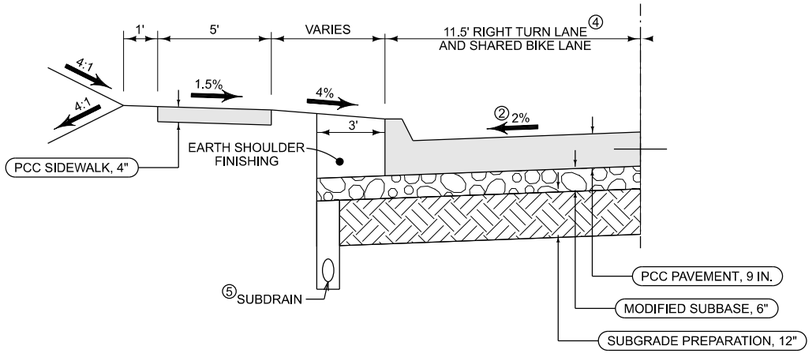


STATION TO STATION	
104+51.00	108+31.00

STATION TO STATION	
104+51.00	105+73.00
107+30.00	109+88.00

TYPICAL CROSS SECTION
45' WIDE, 9" PCC PAVEMENT
N 15TH STREET

STATION TO STATION	
104+51.00	109+88.54



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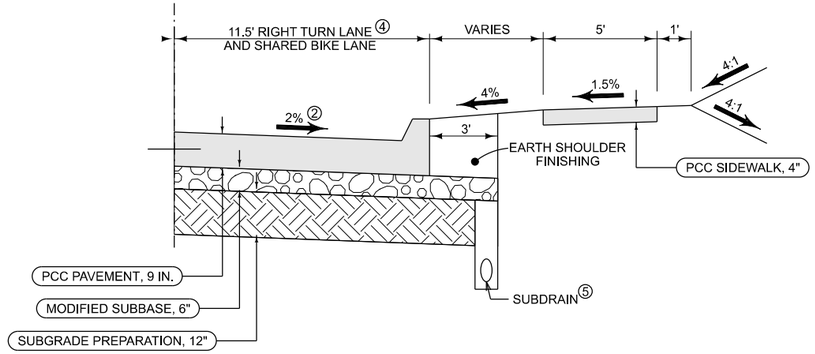
TYPICAL CROSS SECTION
SOUTHBOUND RIGHT TURN LANE
N 15TH STREET



TYPICAL CROSS SECTION
NORTHBOUND RIGHT TURN LANE
N 15TH STREET

STATION TO STATION	
105+73.95	107+30.75

① TRANSVERSE JOINTS SHALL BE CD JOINTS WITH 15' MAXIMUM SPACING
② REFER TO L SHEETS FOR ROADWAY CROSS SLOPE TRANSITIONS
③ REFER TO L SHEETS FOR PARKING SLOPE GRADING TRANSITIONS
④ REFER TO L SHEETS FOR RIGHT TURN LANE TRANSITIONS
⑤ 6" SUBDRAIN. 42" DEPTH FROM TOP OF CURB

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet B.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TYPICAL SECTIONS AND DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet B.1

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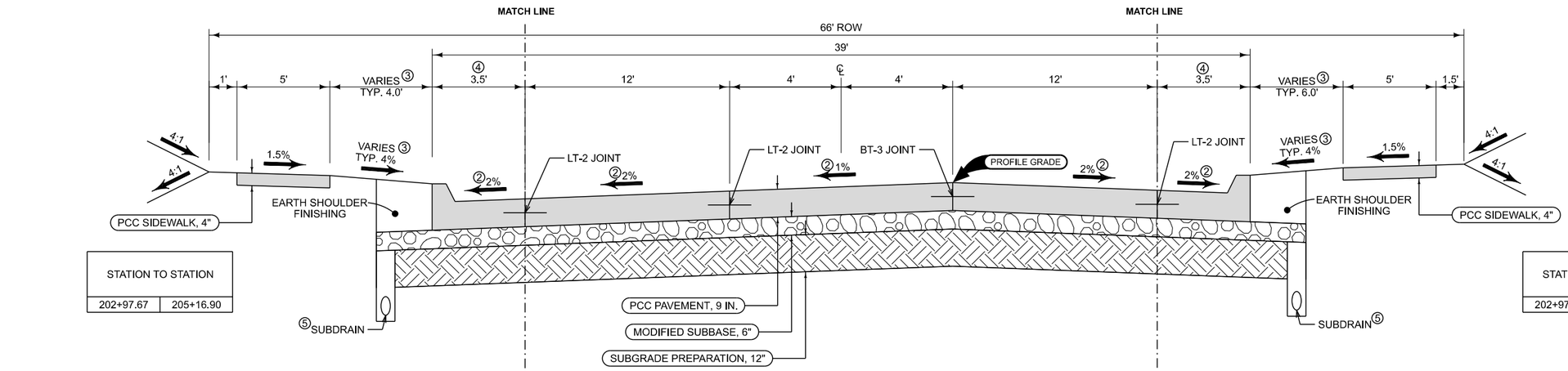
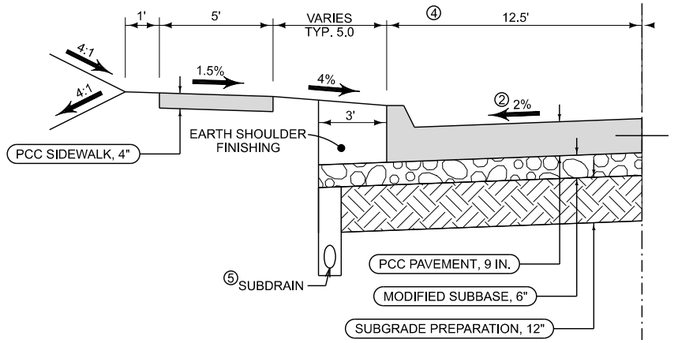


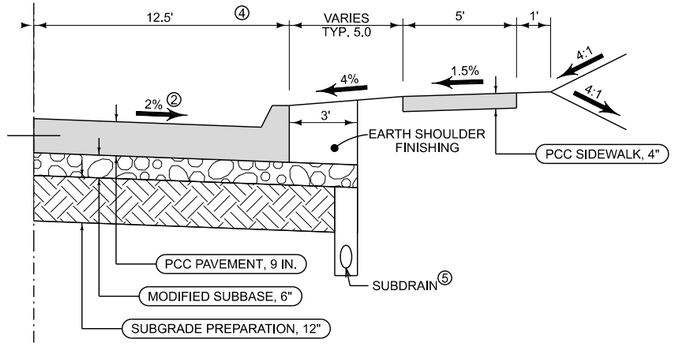
STATION TO STATION	
202+97.67	205+16.90

STATION TO STATION	
202+97.67	203+07.84

TYPICAL CROSS SECTION
39' WIDE, 9" PCC PAVEMENT
2ND AVE NORTH

STATION TO STATION	
202+97.67	205+50.00



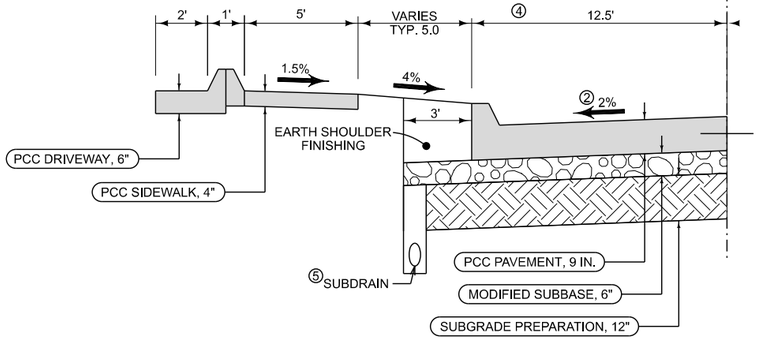


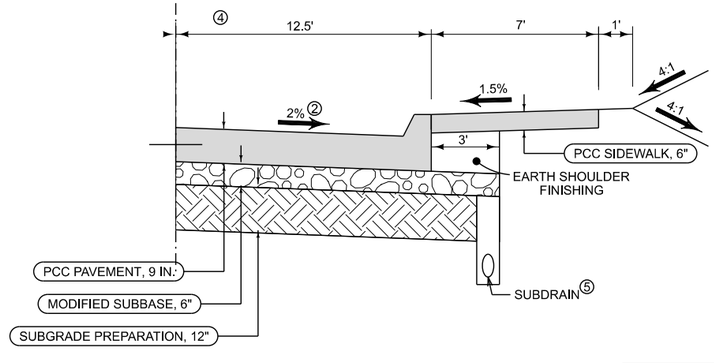
STATION TO STATION	
205+16.90	205+29.88
206+29.34	206+82.61

TYPICAL CROSS SECTION
WESTBOUND RIGHT TURN LANE
2ND AVE NORTH

TYPICAL CROSS SECTION
EASTBOUND RIGHT TURN LANE
2ND AVE NORTH

STATION TO STATION	
203+07.84	203+26.83
203+52.84	204+03.05





STATION TO STATION	
205+29.88	206+29.34

TYPICAL CROSS SECTION
WESTBOUND RIGHT TURN LANE
2ND AVE NORTH

TYPICAL CROSS SECTION
EASTBOUND RIGHT TURN LANE (TYPE A SIDEWALK)
2ND AVE NORTH

STATION TO STATION	
203+26.83	203+52.84

① TRANSVERSE JOINTS SHALL BE CD JOINTS WITH 15' MAXIMUM SPACING

② REFER TO L SHEETS FOR ROADWAY CROSS SLOPE TRANSITIONS

③ REFER TO L SHEETS FOR PARKING SLOPE GRADING TRANSITIONS

④ REFER TO L SHEETS FOR RIGHT TURN LANE TRANSITIONS

⑤ 6" SUBDRAIN OR 15" OPEN-JOINTED STORM SEWER. 42" DEPTH FROM TOP OF CURB

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet B.2
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TYPICAL SECTIONS AND DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet B.2

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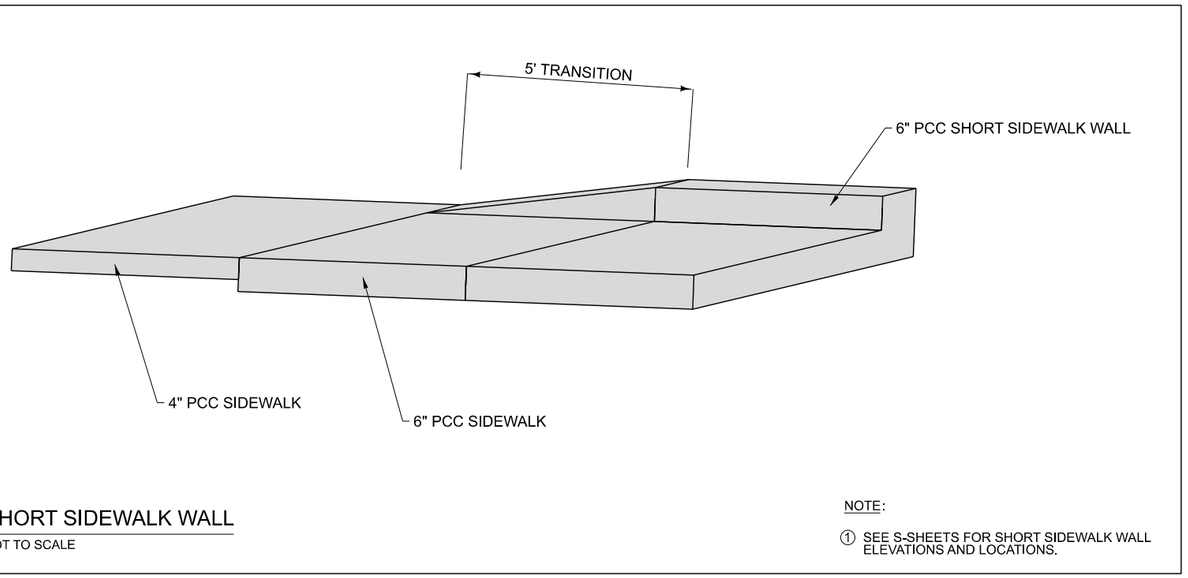

SHORT SIDEWALK WALL

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NOTE:

① SEE S-SHEETS FOR SHORT SIDEWALK WALL ELEVATIONS AND LOCATIONS.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		
Technician: EIG	Date: 2/17/2026	T-R-S:	
STP-U-2690(643)--70-94			
Project No: 124.0890.01			Sheet B.3

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TYPICAL SECTIONS AND DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet B.3

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ESTIMATED PROJECT QUANTITIES (UP TO A 5 DIVISION PROJECT)

Division 1: INCLUDES ALL QUANTITIES SOUTH OF STATION 116+00
Division 2: INCLUDES ALL QUANTITIES NORTH OF STATION 116+00

101-04
100% STBG FUNDS
100% LOCAL FUNDS

Item No.	Item Code	Item	Unit	Quantities				
				Estimated			As Built	
				Division 1	Division 2	Total	Division 1	Division 2
1	2101-0850002	Clearing and Grubbing	UNIT	709.7	226	935.7		
2	2102-2710070	Excavation, Class 10, Roadway and Borrow	CY	296		296		
3	2102-2710090	Excavation, Class 10, Waste	CY	726		726		
4	2105-8425005	Topsoil, Furnish and Spread	CY	144		144		
5	2105-8425015	Topsoil, Strip, Salvage and Spread	CY	183		183		
6	2109-8225100	Special Compaction of Subgrade	STA	7.9		7.9		
7	2115-0100000	Modified Subbase, 6 Inch Depth	CY	815.5		815.5		
8	2123-7450020	Shoulder Finishing, Earth	STA	15.7		15.7		
9	2301-1033090	Standard or Slip Form Portland Cement Concrete Pavement, Class C, Class 3 Durability, 9 IN.	SY	4382		4382		
10	2301-6911722	Portland Cement Concrete Pavement Samples	LS	1		1		
11	2301-7000110	Payment Adjustment Incentive/Disincentive for PCC pavement Thickness (By Schedule)	EA	10000		10000		
12	2317-7000110	Payment Adjustment Incentive/Disincentive for PCC Pavement Smoothness (By Schedule)	EA	10000		10000		
13	2401-6750001	Removals, As Per Plan	LS	1		1		
14	2435-0130148	Manhole, Sanitary Sewer, SW-301, 48 IN.	EA	1		1		
15	2435-0140148	Manhole, Storm Sewer, SW-401, 48 IN.	EA	1		1		
16	2435-0140160	Manhole, Storm Sewer, SW-401, 60 IN.	EA	4		4		
17	2435-0250248	Intake, SW-502, 48 IN	EA	1		1		
18	2435-0250260	Intake, SW-502, 60 IN	EA	1		1		
19	2435-0250500	Intake, SW-505	EA	6		6		
20	2435-0250700	Intake, SW-507	EA	2		2		
21	2435-0251224	Intake, SW-512, 24 IN.	EA	1		1		
22	2435-0600010	Manhole Adjustment, Minor	EA	3	3	6		
23	2435-0600020	Manhole Adjustment, Major	EA	4	3	7		
24	2435-0600110	Intake Adjustment, Minor	EA	4	3	7		
25	2502-8213206	Subdrain, PVC, Standard, Perforated, 6 IN.	LF	917		917		
26	2502-8221303	Subdrain Outlet, DR-303, Outlet to Structure	EA	7		7		
27	2503-0114212	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 12 IN.	LF	28		28		
28	2503-0114215	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 15 IN.	LF	634		634		
29	2503-0114218	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 18 IN.	LF	136		136		
30	2503-0114224	Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 24 IN.	LF	304		304		
31	2503-0200036	Remove Storm Sewer Pipe Less Than or Equal to 36 IN.	LF	379		379		
32	2510-6745850	Removal of Pavement	SY	3911.5		3911.5		
33	2510-6750600	Removal of Intakes and Utility Accesses	EA	6		6		
34	2511-6745900	Removal of Sidewalk	SY	986.9	336	1322.9		
35	2511-7526004	Sidewalk, P.C. Concrete, 4 In.	SY	621.4	40.3	661.7		
36	2511-7526006	Sidewalk, P.C. Concrete, 6 In.	SY	430.7	410.9	841.6		
37	2511-7528101	Detectable Warnings	SF	350.8	240	590.8		
38	2512-1725256	Curb and Gutter, P.C. Concrete, 2.5 FT	LF	100		100		
39	2514-0000200	Removal of Curb	STA	1		1		
40	2515-2475006	Driveway, P.C. Concrete, 6 IN.	SY	37.1	51.9	89		
41	2515-2475007	Driveway, P.C. Concrete, 7 IN.	SY	193		193		
42	2515-2475008	Driveway, P.C. Concrete, 8 IN.	SY	209.8		209.8		
43	2515-6745600	Removal of Paved Driveway	SY	1341.8	67.3	1409.1		
44	2524-6765010	Remove and Reinstall Sign as Per Plan	EA	6	3	9		
45	2524-6765110	Removal of Type A Sign	EA	9	3	12		
46	2524-9276010	Perforated Square Steel Tube Posts	LF	152	46	198		
47	2524-9276021	Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation	EA	10	3	13		
48	2524-9325001	Type A Signs, Sheet Aluminum	SF	63.8	50.3	114.1		
49	2524-9325150	Install Type A Sign	EA	15	9	24		
50	2525-0000100	Traffic Signalization, Fiber Optic Communication	LS	1		1		
51	2525-0000100	Traffic Signalization, N 15th St & 2nd Ave N	LS	1		1		

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/24/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet C.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.1

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ESTIMATED PROJECT QUANTITIES (UP TO A 5 DIVISION PROJECT)

Division 1: INCLUDES ALL QUANTITIES SOUTH OF STATION 116+00
Division 2: INCLUDES ALL QUANTITIES NORTH OF STATION 116+00

100% STBG FUNDS
100% LOCAL FUNDS

Item No.	Item Code	Item	Unit	Quantities				
				Estimated			As Built	
				Division 1	Division 2	Total	Division 1	Division 2
52	2525-0000100	Traffic Signalization, N 15th St & 6th Ave N	LS		1	1		
53	2525-0000100	Traffic Signalization, N 15th St & 7th Ave N	LS		1	1		
54	2525-0000120	Removal of Traffic Signalization	LS	1		1		
55	2527-9263143	Painted Symbols and Legends, Durable	EA	29		29		
56	2527-9263181	Pavement Markings Removed	STA	15.01	7.98	22.99		
57	2527-9263217	Painted Pavement Markings, Durable	STA	45.96	25.44	71.4		
58	2527-9270112	Grooves Cut for Pavement Markings	STA	45.96	25.44	71.4		
59	2527-9270120	Grooves Cut for Symbols and Legends	EA	29		29		
60	2528-2518000	Safety Closure	EA	8	4	12		
61	2528-8400256	Temporary Traffic Signals	EA	1		1		
62	2528-8445110	Traffic Control	LS	1		1		
63	2528-8445113	Flaggers	EA	PER PROPOSAL		PER PROPOSAL		
64	2528-9290050	Portable Dynamic Message Signs (PDMS)	CDAY	PER PROPOSAL		PER PROPOSAL		
65	2529-2242304	CD Joint Assembly	EA	38	16	54		
66	2529-5070110	Patches, Full-Depth Finish, By Area	SY	677.6	454.7	1132.3		
67	2529-5070120	Patches, Full-Depth Finish, By Count	EA	14	8	22		
68	2533-4980005	Mobilization	LS	1		1		
69	2552-0000300	Trench Compaction Testing	LS	1		1		
70	2554-0112008	Water Main, Trenched, Ductile Iron Pipe (DIP), 8 IN.	LF	317	342	659		
71	2554-0114006	Water Main, Trenched, Polyvinyl Chloride Pipe (PVC), 6 IN.	LF		23	23		
72	2554-0203000	Fittings by Weight, Ductile Iron	LB	1170	756	1926		
73	2554-0204110	Water Service Stub, Copper, 1 IN.	EA	5	1	6		
74	2554-0204120	Water Service Stub, Copper, 2 IN.	EA	1		1		
75	2554-0207008	Valve, Gate, DIP, 8 IN.	EA	1	2	3		
76	2599-9999005	Fire Hydrant Relocation	EA	1	1	2		
77	2599-9999005	Subdrain Cleanout, Type A-2, 6-Inch Dia.	EA	3		3		
78	2599-9999005	Valve Box	EA		1	1		
79	2599-9999009	Curb Grinding	LF	78	172.6	250.6		
80	2599-9999009	Short Sidewalk Wall	LF	57	176	233		
81	2599-9999009	Water Main Removal, 10 inch and less	LF	313	177	490		
82	2599-9999018	Diamond Grinding, Roadway	SY	3552.2	4778.7	8330.9		
83	2601-2634105	Mulching, Bonded Fiber Matrix	ACRE	1.2	0.3	1.5		
84	2601-2636044	Seeding and Fertilizing (Urban)	ACRE	0.4	0.1	0.5		
85	2601-2642120	Stabilizing Crop - Seeding and Fertilizing (Urban)	ACRE	0.8	0.2	1		
86	2602-0000309	Perimeter and Slope Sediment Control Device, 9 In. Dia.	LF	1641.2		1641.2		
87	2602-0000351	Removal of Perimeter and Slope Sediment Control Device	LF	1641.2		1641.2		
88	2602-0000400	Temporary Intake or Manhole Cover Assembly	EA	16		16		
89	2602-0000410	Maintenance of Temporary Intake or Manhole Cover Assembly	EA	32		32		
90	2602-0000420	Removal of Temporary Intake or Manhole Assembly	EA	16		16		
91	2602-0000500	Open-Throat Curb Intake Sediment Filter, EC-602	LF	33	58	91		
92	2602-0000510	Maintenance of Open-Throat Curb Intake Sediment Filter	EA	12	16	28		
93	2602-0000520	Removal of Open-Throat Curb Intake Sediment Filter	EA	6	8	14		
94	2602-0000530	Grate Intake Sediment Filter Bag, EC-604	EA	13	7	20		
95	2602-0000540	Maintenance of Grate Intake Sediment Filter Bag	EA	26	14	40		
96	2602-0000550	Removal of Grate Intake Sediement Filter Bag	EA	13	7	20		
97	2602-0010010	Mobilizations, Erosion Control	EA	10		10		
98	2602-0010020	Mobilizations, Emergency Erosion Control	EA	5		5		

MARK | REVISION | DATE | BY

Engineer: SJR | Checked By: JMS | T-R-S:
Technician: EIG | Date: 2/24/2026
STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet C.2

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
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ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.2

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ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850002	**Clearing and Grubbing**
		Refer to Tab 110-17 for locations and quantities. Refer to F-Sheets for individual tree and shrub removal locations. All material generated as a result of Clearing and Grubbing shall become the property of the Contractor and must be disposed of off site. All wood material must be disposed of according to Iowa Department of Agriculture and Land Stewardship Emerald Ash Borer Quarantine Order. For more information see www.iowatreepests.com.
-	-	-
2	2102-2710070	**Excavation, Class 10, Roadway and Borrow**
		Refer to T-Sheets for quantities and summary. Refer to W- and X-Sheets for cross sections. Item includes 296 CY of Class 10 cut to be placed as fill for the project.
-	-	-
3	2102-2710090	**Excavation, Class 10, Waste**
		Refer to T-Sheets for quantities and summary. Refer to W- and X-Sheets for cross sections. Total Class 10 Waste = 726 CY. Contractor to assure themselves of quantities and nature of work.
-	-	-
4	2105-8425005	**Topsoil, Furnish and Spread**
		Refer to T-Sheets for quantities and summary. Refer to W- and X-Sheets for cross sections. Item includes 144 CY of Topsoil Furnish and Spread. Contractor shall coordinate with the Engineer prior to installation to verify topsoil quantities. Contractor shall coordinate offsite topsoil quantities with the Engineer as offsite topsoil is being delivered to ensure quantities are measured.
-	-	-
5	2105-8425015	**Topsoil, Strip, Salvage and Spread**
		Refer to T-Sheets for quantities. Includes 183 CY of topsoil strip, salvage, and spread within the construction limits (cut and fill). Quantities are based off of an assumed 6" depth of topsoil strip and a 6" depth of topsoil placement with a 40% shrink factor.
-	-	-
6	2109-8225100	**Special Compaction of Subgrade**
		Refer to B-Sheets for typical sections. All roadways shall be constructed with 6" of Special compaction of subgrade. This in addition to the 6" of special compaction required for modified subbase installation. Therefore, a total of 12" of special compaction will be performed under the pavement subbase.
-	-	-
7	2115-0100000	**Modified Subbase, 6 Inch Depth**
		Refer to Tab 100-24 in the C-Sheets for locations and quantities. Refer to B-Sheet typical sections for pavement widths, lengths, and depths. Moisture and density testing for this item is required and incidental.
-	-	-
8	2123-7450020	**Shoulder Finishing, Earth**
		Refer to B-Sheet typical sections for details and lengths. Bid item is calculated by measuring the length of all curbs constructed within the reconstruction project. Class 10 material is included in the Class 10 Excavation bid item.
-	-	-
9	2301-1033090	**Standard or Slip Form Portland Cement Concrete Pavement, Class C, Class 3 Durability, 9 IN.**
		Refer to Tab 100-24 for locations and additional information. Refer to B-Sheet typical sections for pavement widths and lengths. Refer to J-Sheets for staging limits for pavement. Refer to L-Sheets for geometrics, staking, and jointing details. Certified Plant Inspection is required. The City of Fort Dodge does not approve the use of fly ash in any PCC mix. The contractor is to use C-4WR. Refer to Section 2521 for additional details.
-	-	-
10	2301-6911722	**Portland Cement Concrete Pavement Samples**
		This item is for the Contractor to provide a qualified independent third party testing laboratory including: slump and air tests per Section 2301.02, B, 4; coring per Section 2301.04, A, 2; smoothness by profilograph per Section 2317.
-	-	-
11	2301-7000110	**Payment Adjustment Incentive/Disincentive for PCC pavement Thickness (By Schedule)**
12	2317-7000110	**Payment Adjustment Incentive/Disincentive for PCC Pavement Smoothness (By Schedule)**
		Bid item is for the 9 IN Class C roadway pavement.
-	-	-
13	2401-6750001	**Removals, As Per Plan**
		Refer to F-Sheets for quantities and details. Refer to Tab. 304-99.
-	-	-
14	2435-0130148	**Manhole, Sanitary Sewer, SW-301, 48 IN.**
		Refer to Tab 104-05A for location and details. Refer to D-Sheets for for locations and layouts. Refer to Standard Road Plan SW-301. Bid item includes the removal of existing sanitary sewer and installation of new sanitary sewer, as needed, to connect the new manhole to existing pipe.
-	-	-
15	2435-0140148	**Manhole, Storm Sewer, SW-401, 48 IN.**
16	2435-0140160	**Manhole, Storm Sewer, SW-401, 60 IN.**
17	2435-0250248	**Intake, SW-502, 48 IN**
18	2435-0250260	**Intake, SW-502, 60 IN**
19	2435-0250500	**Intake, SW-505**
20	2435-0250700	**Intake, SW-507**
21	2435-0251224	**Intake, SW-512, 24 IN.**
		Refer to Tab 104-5B in the M-Sheets for locations and quantities. Refer to the M-Sheets for locations and details. Refer to Standard Road Plans SW-401, SW-502, SW-505, SW-507, and SW-512, for manhole and intake information. Refer to Standard Road Plans SW-514, SW-601,SW-602, SW-603, and SW-604 for boxout and casting information for manholes and intakes. Type F casting using height adjustment mechanism are required for all manholes. Bid item includes sloped adjustment rings as necessary. The maximum height of adjustment rings allowed for manhole castings is 12 inches. Trench shoring and dewatering (if needed) shall be incidental to these bid items.
-	-	-
22	2435-0600010	**Manhole Adjustment, Minor**
23	2435-0600020	**Manhole Adjustment, Major**
24	2435-0600110	**Intake Adjustment, Minor**
		Refer to Tab 104-11 in the C-sheets for locations and quantities. Refer to D-Sheets for locations. Bid items are for the adjustments of the existing sanitary sewer and storm sewer structures located within the project limits. Contractor shall field verify adjustment requirements and determine if adjustment is classified as a minor or a major with the Engineer prior to commencing work on the manhole. Type F castings using height adjustment mechanism are required for all manholes. Bid item includes sloped adjustment rings as necessary. The maximum height of adjustment rings allowed for manhole castings is 12 inches.
-	-	-
25	2502-8213206	**Subdrain, PVC, Standard, Perforated, 6 IN.**
		Refer to Tab 104-9 for quantities. Refer to M-Sheets for subdrain locations. Refer to B-Sheets for typicals. Refer to Standard Road Plans DR-303 for details. Use, corrugated exterior, smooth interior, PVC. Subdrain outlets are to be PVC. Comply with ASTM F 949, minimum pipe stiffness, 46 psi. Use PVC plastic complying with ASTM D 3212 and ASTM F 477. Engineering fabric will not be required.
-	-	-
26	2502-8221303	**Subdrain Outlet, DR-303, Outlet to Structure**
		Refer to Tab 104-9 for quantities. Refer to M-Sheets for subdrain locations. Refer to Standard Road Plans DR-303 for details.
-	-	-
27	2503-0114212	**Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 12 IN.**
28	2503-0114215	**Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 15 IN.**
29	2503-0114218	**Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 18 IN.**
30	2503-0114224	**Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), 24 IN.**
		Refer to Storm Sewer Tab 104-5B for locations and details. Refer to M-Sheets for locations. Use bedding class R-2 for all storm sewer. Refer to Standard Road Plans SW-101 and SW-102.
-	-	-

101-06

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
31	2503-0200036	**Remove Storm Sewer Pipe Less Than or Equal to 36 IN.**
		Refer to Tab 110-14 for quantities. Refer to F-Sheets for locations. All material shall become property of the Contractor to dispose of offsite.
-	-	-
32	2510-6745850	**Removal of Pavement**
		Refer to Tab102-5 for existing pavement information. Refer to Tab 110-1 for quantities. Refer to F-Sheet for details and information. Refer to J-sheets for staging information. No additional payment will be made for variances in pavement depth. Removed pavement shall become the property of the Contractor and be disposed of offsite.
-	-	-
33	2510-6750600	**Removal of Intakes and Utility Accesses**
		Refer to Tab 110-15 in the C-Sheets for locations and quantities. Refer to F-Sheets for locations and details. All material shall become property of the Contractor to dispose of offsite.
-	-	-
34	2511-6745900	**Removal of Sidewalk**
		Refer to Tab 110-5 in the F-Sheets for locations and quantities. Refer to the F-sheets for locations and details. All material shall become property of the Contractor to dispose of offsite.
-	-	-
35	2511-7526004	**Sidewalk, P.C. Concrete, 4 In.**
36	2511-7526006	**Sidewalk, P.C. Concrete, 6 In.**
37	2511-7528101	**Detectable Warnings**
		Refer to Tab 113-1. Refer to B-Sheets for typical sections. Refer to S-Sheets for staking information. Detectable warnings shall be cast iron and finished in red. Install per manufacturer recommendations and they shall meet Americans with Disabilities Act (ADA) accessibility guidelines. Certified Plant Inspection is required. Refer to Section 2521 for additional information.
-	-	-
38	2512-1725256	**Curb and Gutter, P.C. Concrete, 2.5 FT**
		Bid item shall be used at the direction of the Engineer and City Public Works Staff if poor curb and gutter is encountered during construction. Certified Plant Inspection is required and is incidental to this bid item. Refer to section 2521 for additional information on certified plant inspection.
-	-	-
39	2514-0000200	**Removal of Curb**
		Item is for the removal of existing curb and gutter. Bid item shall be used at the direction of the Engineer and City Public Works Staff if poor curb and gutter is encountered during construction. Item includes the removal of the existing curb, and 2 feet of gutter. Curb is assumed to be 6" wide. No additional payment will be made for varying curb widths. Item is to be measured and paid by linear foot.
-	-	-
40	2515-2475006	**Driveway, P.C. Concrete, 6 IN.**
41	2515-2475007	**Driveway, P.C. Concrete, 7 IN.**
42	2515-2475008	**Driveway, P.C. Concrete, 8 IN.**
		Refer to Tab 102-3 for locations and additional information. Refer to L-Sheets for geometrics, staking and jointing details. 8" driveway depth shall be used for both Kwik Star driveways. 7" driveway depth shall be used for the rest of the Type B driveways.6" driveway shall be used for all other driveways. Certified Plant Inspection is required.
-	-	-
43	2515-6745600	**Removal of Paved Driveway**
		Refer to Tab 110-08 in the F-Sheets for locations and quantities. Refer to the F-Sheets for locations and details. All material shall become property of the Contractor to dispose of offsite.
-	-	-
44	2524-6765010	**Remove and Reinstall Sign as Per Plan**
		Refer to Tabs 190-61 and 190-62. The Contractor shall remove each sign and the hardware used to secure the sign to another sign, posts, or sign support structure. For signs mounted directly to posts, removal of the sign shall include removal of the posts. Posts may be either wood posts or steel breakaway sign posts. The removal of concrete footings is incidental to this item. Holes remaining from the removal of posts and footings shall be backfilled with suitable earth to the original level or to the natural ground surface. All posts and footings removed shall become the property of the Contractor. All reinstalled signs may be installed on perforated steel legs. The Contractor shall furnish all necessary hardware to install the signs. New installation will be used, unless otherwise noted. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense.
		Replacement materials shall be new.
		-
		Method of Measurement:
		The Engineer will count each sign removed and reinstalled.
		-
		Basis of Payment:
		Each sign removed and reinstalled, the Contractor shall be paid the contract unit price.
-	-	-
45	2524-6765110	**Removal of Type A Sign**
		Refer to Tab 190-62. This item is for the removal of Type A Sign Assemblies, including the sign panels, sign brackets, supporting structures and hardware. All material shall become the property of the Contractor. All holes resulting from removal of posts shall be filled and level with the adjacent grade with backfill material.
		-
		Method of Measurement:
		The Engineer will count the number of sign assemblies removed.
		-
		Basis of Payment:
		The Contractor will be paid the contract unit price for each sign assembly removed.
-	-	-
46	2524-9276010	**Perforated Square Steel Tube Posts**
47	2524-9276021	**Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation**
		Refer to Tabs 190-51 and 190-61 for quantities. Refer to PM-Sheets for locations.
-	-	-
48	2524-9325001	**Type A Signs, Sheet Aluminum**
		Refer to Tab 190-66 for quantities. Refer to PM-Sheets for locations.
-	-	-
49	2524-9325150	**Install Type A Sign**
		Refer to Tabs 190-51 and 190-66 in the PM-Sheets for locations and quantities. Refer to the PM-Sheets for locations and details. Locations shall comply with Standard Road Plan SI-101. Refer to Standard Road Plan SI -111 and SI-119 for steel posts and mounting bracket information. Refer to Standard Road Plan SI-131 and SI-133 for installation information. This bid item includes all work needed to stake location, excavate hole, provide footing, install. sign, and backfill.
		-
		Method of Measurement:
		Each Type A sign installed.
		-
		Basis of Payment:
		Payment will be the contract unit price per each Type A sign installed.
-	-	-
50	2525-0000100	**Traffic Signalization, Fiber Optic Communication**
51	2525-0000100	**Traffic Signalization, N 15th Ave & 2nd Ave N**
52	2525-0000100	**Traffic Signalization, N 15th Ave & 6th Ave N**

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/24/2026		
	STP-U-2690(643)--70-94		Sheet C.3
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.3

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ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
53	2525-0000101	**Traffic Signalization, N 15th Ave & 7th Ave N**
		Refer to the N-Sheets for locations, quantities, and estimate reference information.
-	-	-
54	2525-0000120	**Removal of Traffic Signalization**
55	2527-9263143	**Painted Symbols and Legends, Durable**
56	2527-9263181	**Pavement Markings Removed**
57	2527-9263217	**Painted Pavement Markings, Durable**
58	2527-9270112	**Grooves Cut for Pavement Markings**
59	2527-9270120	**Grooves Cut for Symbols and Legends**
		Refer to Tabs 108-22 and 108-29 for locations and details. Refer to PM-Sheets for locations and layouts. Refer to Standard Road Plans PM-110, PM-111, PM-115, PM-116, PM-521, PM-522, and PM-550 for details. All permanent pavement markings shall be durable with groove cut except for all hatching PM-522, and PM-550 for details. All permanent pavement markings shall be durable with groove cut except for all hatching shapes. All removals on permanent or existing pavement must be water-blasted.
-	-	-
60	2528-2518000	**Safety Closure**
		Refer to J-Sheets for locations and details. Refer to Tab 108-13A in the J-Sheets for locations and quantities.
-	-	-
61	2528-8400256	**Temporary Traffic Signals**
62	2528-8445110	**Traffic Control**
		Refer to J-Sheets for traffic control plan and signage. Additional traffic control devices or signs needed for paving operations shall be incidental to this bid item. Refer to Standard Road Plans TC-252, TC-423, and TC-419. Pedestrian deteour shall comply with Standard Road Plan TC-601.
-	-	-
63	2528-8445113	**Flaggers**
		The use of flaggers is anticipated to be needed to help facilitate staged construction. Coordinate with the Engineer prior to utilizing flaggers.
-	-	-
64	2528-9290050	**Portable Dynamic Message Signs (PDMS)**
		Refer to the J-Sheets for the traffic control plan in the J-Sheets for quantities. The Contractor shall coordinate with the Engineer for the PDMS locations, message to be displayed, and number of days used.
-	-	-
65	2529-2242304	**CD Joint Assembly**
		Refer to Tab 102-06c for details and quantities. Refer to the L-Sheets for locations and layouts.
-	-	-
66	2529-5070110	**Patches, Full-Depth Finish, By Area**
67	2529-5070120	**Patches, Full-Depth Finish, By Count**
		Refer to D- and E-Sheets for locations and layouts. Refer to Tab 102-06C for locations and quantities. Removal of existing pavement is incidental to the bid item. Bid item includes an additonal 20% of plan quantity for additional locations found in the field and approved by the Engineer.
-	-	-
68	2533-4980005	**Mobilization**
		Item includes all handbills, notifications, and coordination for schedule updates with the City of Fort Dodge and the Engineer for purposes of public notification through website and social media channels. This is incidental to this bid item. The Engineer will be performing the construction staking for the project.
-	-	-
69	2552-0000300	**Trench Compaction Testing**
		Trench compaction testing shall be required for all underground utility construction. This includes storm sewer, water main, and services. Testing shall be coordinated with the Engineer to allow for observation of testing. Retesting may be required and shall be incidental to this bid item.
-	-	-
70	2554-0112008	**Water Main, Trenched, Ductile Iron Pipe (DIP), 8 IN.**
71	2554-0114006	**Water Main, Trenched, Polyvinyl Chloride (PVC), 6 IN.**
		Refer to Tab 301-99 in the MWM-Sheets for locations and quantities. Refer to The MWM-Sheets for locations and details. Trench bedding shall be Class P-1 per Standard Road Plan detail SW-104. The Contractor shall coordinate water main work with the City of Fort Dodge Water department. The Contractor must verify the tracer wire can be traced after subgrade preparation, but prior to paving. Compaction testing is required for all water main backfill.
-	-	-
72	2554-0203000	**Fittings by Weight, Ductile Iron**
		Refer to the MWM-Sheets and Tab 303-99 in the MWM-Sheets for locations and additional information. The Contractor shall coordinate water main work with the City of Fort Dodge Water Department.
-	-	-
73	2554-0204110	**Water Service Stub, Copper, 1 IN.**
74	2554-0204120	**Water Service Stub, Copper, 2 IN.**
		Refer to Tab 303-99 in the MWM-Sheets for locations and quantities. Refer to the MWM-Sheets for locations and details. The Contractor shall coordinate water main work with the City of Fort Dodge Water Department. Contractor shall notify property owners 72 hours prior to shutoff of water services. Bid item includes installation of new curb stop and box, removal of existing curb stop and box, and connection to the existing water service. Stop boxes shall be installed within the proposed sidewalk. All service saddles shall be epoxy coated and secured with two stainless steel straps. All stop box assemblies shall be arch style, have a 1" sleeve, have stainless steel shut-off rod and pin, and have a two-piece pentagon nut style cap.
-	-	-
75	2554-0207008	**Valve, Gate, DIP, 8 IN.**
		Refer to Tab 303-99 in the MWM-Sheets for locations and quantities. Refer to the MWM-Sheets for locations and details. A cap block shall be placed under the valve for support. Connections to the existing water main shall require coordinated shutdowns of the main. This work shall be completed between the hours of 8:30 a.m. and 3:30 p.m. Monday through Friday or the hours of 10:00 p.m. and 6:00 a.m. Monday through Friday.
-	-	-
76	2599-9999005	**Fire Hydrant Relocation**
		Refer to Tab 303-99 in the MWM-Sheets for locations and quantities. Refer to the MWM sheets for locations and details. The Contractor shall coordinate water main work with the City of Fort Dodge Water Department. All of the labor and materials needed to remove and relocate each fire hydrant is included and incidental to this item.
		-
		Method of Measurement:
		Measurement is for each fire hydrant relocated.
		-
		Basis of Payment:
		Each fire hydrant relocated will be paid at the contract unit price for each fire hydrant relocated.
-	-	-
77	2599-9999005	**Subdrain Cleanout, Type A-2, 6-Inch Dia.**
		Refer to Tab 104-9 for quantities. Refer to M-Sheets for subdrain locations. Refer to B-Sheets for typicals.
		-
		Method of Measurement:
		Subdrain cleanouts shall be measured for as each.
		-
		Basis of Payment:
		For each subdrain riser installed, the Contractor shall be paid the contract price. This includes full compensation for furnishing all materials, equipment, and labor to install each subdrain cleanout.
-	-	-

101-06

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
78	2599-9999005	**Valve Box**
		Refer to the MWM-Sheets for location and layout. Refer to Tab 303-99 for location and details. Item includes the removal of the the top section of the existing brick manhole, installation of the new water main valve box, and filling the rest of the existing manhole with sand. All material shall become the property of the Contractor to dispose of offsite.
		-
		Method of Measurement:
		Valve box shall be measured per each valve box installed.
		-
		Basis of Payment:
		Valve box will be paid at the contract unit price for each valve box installed.
-	-	-
79	2599-9999009	**Curb Grinding**
		Refer to S-Sheets for locations and quantities. Item is for grinding down existing curbs for the installation of new ADA sidewalk ramps.
		-
		Method of Measurement:
		Item shall be measured per linear foot.
		-
		Basis of Payment:
		Item shall be paid at the contract unit price.
-	-	-
80	2599-9999009	**Short Sidewalk Wall**
		Refer to D-, E-, and S-Sheets for locations and quantities. Refer to B-Sheets for typical details. Bid item is to be placed along the back of sidewalk in locations called out in the D and E-Sheets. Refer to Tab 113-01 for locations and quantities.
		-
		Method of Measurement:
		Item shall be measured per linear foot installed.
		-
		Basis of Payment:
		Item shall be paid at the contract unit price.
-	-	-
81	2599-9999009	**Water Main Removal, 10 inch and less**
		Refer to Tab 302-99 for locations and quantities. Refer to the F-Sheets for locations. All material shall become the property of the Contractor to dispose of offsite.
		-
		Method of Measurement:
		Water main removal shall be measured per linear foot of pipe removed.
		-
		Basis of Payment:
		Water main removal shall be paid at the contract unit price per linear foot removed.
-	-	-
82	2599-9999018	**Diamond Grinding, Roadway**
		Refer to D- Sheets for layout. Refer to J-Sheets for staging information.
		-
		Method of Measurement:
		Item shall be measured per square yards of diamond grinding.
		-
		Basis of Payment:
		Item shall be paid at the contract unit price.
-	-	-
83	2601-2634105	**Mulching, Bonded Fiber Matrix**
		Refer to the RC-Sheets for the Pollution Prevention Plan. Refer to the RR-Sheets for locations and layouts. Item is to be used for erosion control, temporary surface restoration, and permanent seeding and fertilizing of all disturbed areas where construction has been completed. Bid quantities equals triple the overall plan area anticipated to be restored: two (2) applications for temporary and one (1) application for permanent.
-	-	-
84	2601-2636044	**Seeding and Fertilizing (Urban)**
		Refer to the RC-Sheets for the Pollution Prevention Plan. Refer to the RR-Sheets for locations and layouts. Item is to be used for final seeding of all disturbed areas where construction has be completed. Use between March 1 to May 31 and between August 10 to September 30.
-	-	-
85	2601-2642120	**Stabilizing Crop - Seeding and Fertilizing (Urban)**
		Refer to the RC-Sheets for the Pollution Prevention Plan. Refer to the RR-Sheets for locations and layouts. Item is to be used for erosion control and temporary surface restoration of all disturbed areas where construction has been completed. Bid quantity equals double the overall plan area anticipated to be restored.
-	-	-
86	2602-0000309	**Perimeter and Slope Sediment Control Device, 9 In. Dia.**
87	2602-0000351	**Removal of Perimeter and Slope Sediment Control Device**
		Refer to Tab 100-19 in the RC-Sheets for locations and quantities. Refer to the RR-Sheets for locations and details. Refer to Standard Road Plan EC-204 for details. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 9 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 50% additional quantity for field adjustments and replacements.
-	-	-
88	2602-0000400	**Temporary Intake or Manhole Cover Assembly**
		Refer to RR-Sheets for plan view locations. Refer to Tab 100-11 for locations and details.
		-
		Method of Measurement:
		Count of each device installed.
		-
		Basis of Payment:
		Contract unit price for each device installed.
		-
89	2602-0000410	**Maintenance of Temporary Intake or Manhole Cover Assembly**
		Refer to RR-Sheets for plan view locations. Refer to Tab 100-11 for locations and details.
		-
		Method of Measurement:
		Count of each device maintained.
		-
		Basis of Payment:
		Contract unit price for each occurance. Payment is full compensation for inspecting fabric sock and replacing when flow capacity has been reduced to 50%.
		-

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/24/2026		
	STP-U-2690(643)--70-94		Sheet C.4
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.4

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101-06

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
90	**2602-0000420**	**Removal of Temporary Intake or Manhole Assembly**
		Refer to RR-Sheets for plan view locations. Refer to Tab 100-11 for locations and details.
		-
		Method of Measurement:
		Count of each device removed.
		-
		Basis of Payment:
		Contract unit price for each device removed.
-	-	-
91	**2602-0000500**	**Open-Throat Curb Intake Sediment Filter, EC-602**
92	**2602-0000510**	**Maintenance of Open-Throat Curb Intake Sediment Filter**
93	**2602-0000520**	**Removal of Open-Throat Curb Intake Sediment Filter**
		Refer to Tab 100-36 in the RC-Sheets for locations. Refer to the RR-Sheets for plan view locations. Refer to Standard Road Plan EC-602 for details.
-	-	-
94	**2602-0000530**	**Grate Intake Sediment Filter Bag, EC-604**
		Refer to Tab 100-37 in the RC-Sheets for locations. Refer to the RR-Sheets for plan view locations. Refer to Standard Road Plan EC-604 for details.
		-
		Method of Measurement:
		Count of each device installed.
		-
		Basis of Payment:
		Contract unit price for each device installed.
-	-	-
95	**2602-0000540**	**Maintenance of Grate Intake Sediment Filter Bag**
		Refer to Tab 100-37 in the RC-Sheets for locations. Refer to the RR-Sheets for plan view locations. Refer to Standard Road Plan EC-604 for details.
		-
		Method of Measurement:
		Count of each device installed.
		-
		Basis of Payment:
		Contract unit price for each occurrence. Payment is full compensation for clean out and disposal of material when capacity reaches 50%, and for any other repair needed during the project.
-	-	-
96	**2602-0000550**	**Removal of Grate Intake Sediement Filter Bag**
		Refer to Tab 100-37 in the RC-Sheets for locations. Refer to the RR-Sheets for plan view locations. Refer to Standard Road Plan EC-604 for details.
		-
		Method of Measurement:
		Count of each device removed.
		-
		Basis of Payment:
		Contract unit price for each device removed. Payment is full compensation for all labor and equipment required for removal.
-	-	-
97	**2602-0010010**	**Mobilizations, Erosion Control**
98	**2602-0010020**	**Mobilizations, Emergency Erosion Control**
-	-	-

100_01D
8/15/22

PROJECT DESCRIPTION

Reconstruction of the intersection at N 15th Street and 2nd Avenue N. Project includes the installation of dedicated right-turn lanes and left-turn lanes at the intersection, along with the installation of new water main and storm sewer. Additionally, the project includes diamond grinding from 1st Avenue N to 7th Avenue N, full-depth concrete patching from 3rd Avenue N to 7th Avenue N, transforming N 15th Street from a four-lane urban roadway to a 3-way urban roadway with dedicated bike lanes from 2nd Avenue N to 3rd Avenue N, ADA sidewalk improvements at six (6) intersections along N 15th Street, and new traffic signals at 2nd Avenue N, 6th Avenue N, and 7th Avenue N.

111_25
4/30/25

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100_19	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	RC.3
100_24	PCC PAVEMENT	C.4
100_26	INCIDENTAL ITEMS	C.5
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NOTE: CONSTRUCTION SURVEY IS NOT INCLUDED WITH THIS PROJECT AND WILL BE COMPLETED BY THE CITY AND ENGINEERING CONSULTANT.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/24/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01			Sheet C.5

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
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SNYDER & ASSOCIATES

Project No: 124.0890.01

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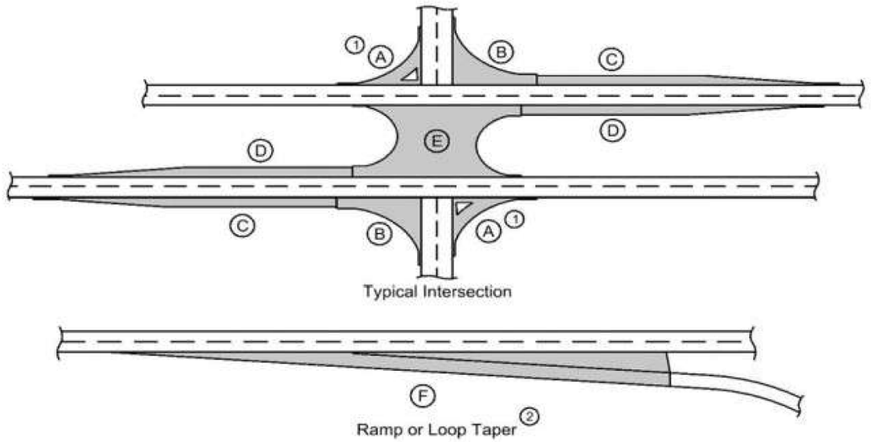
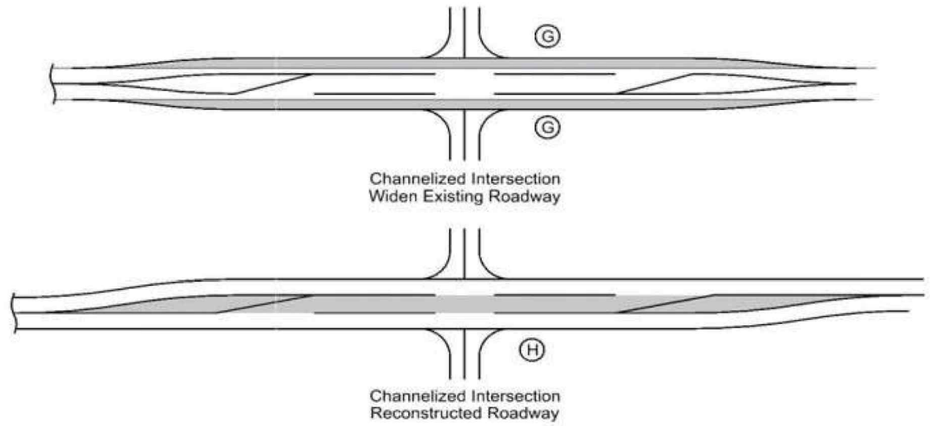
100_24
10/15/24

PCC PAVEMENT





(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E (SY)(3)	Area F(2) (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Area by Thickness - Thickness(IN)	Area by Thickness - Area (SY)	Polymer Grid (SY)	Special Backfill (TON)	Modified Subbase (CY)	Granular Subbase (SY)	Remarks
N 15TH STREET	NB	104+20.55	105+48.39	16.5	127.84	255.50									9.0	255.5			49.60		
N 15TH STREET	Both	105+48.39	109+97.44	45.0	449.05	2152.80									9.0	2152.8			375.61		
N 15TH STREET	NB	105+73.95	108+22.97	6.0	249.02	134.40			134.40						9.0	134.4			30.20		
N 15TH STREET	SB	107+39.89	109+88.52	6.0	248.63	139.50			139.50						9.0	139.5			30.95		
N 15TH STREET	NB	107+09.79	107+59.47		49.68	109.90		109.90							9.0	109.9			22.69		SE QUADRANT
N 15TH STREET	NB	107+97.70	108+64.73		67.03	73.60		73.60							9.0	73.6			16.59		NE QUADRANT
N 15TH STREET	SB	106+99.15	107+73.56		74.41	97.70		97.70							9.0	97.7			20.62		SW QUADRANT
N 15TH STREET	SB	108+01.83	108+54.10		52.27	100.90		100.90							9.0	100.9			21.72		NW QUADRANT
2ND AVENUE N	Both	202+24.04	202+37.65	31.0	13.61	46.90									9.0	46.9			9.33		
2ND AVENUE N	Both	202+37.65	203+07.84		70.19	277.50									9.0	277.5			54.06		31' TO 39' WIDTH
2ND AVENUE N	Both	203+07.84	204+33.35	39.0	125.51	568.70			72.70						9.0	568.7			103.02		
2ND AVENUE N	Both	204+85.57	205+50.00		64.43	281.80									9.0	281.8			48.80		VARIABLE WIDTH
2ND AVENUE N	WB	205+50.00	207+02.26		152.26	142.80			142.80						9.0	142.8			32.32		9.5' TO 3.5' WIDTH
Total:																**4382**			**815.51**		

100_28
8/15/22

DIAMOND GRINDING

Location	Total (SY)	Remarks
103+71.45	647.8	TO STATION 105+48.39
109+88.52	7683.1	TO STATION 125+25.64
Total:	**8330.9**	

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet C.6

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.6

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8/15/22

INCIDENTAL ITEMS

Special or unique items where method of measurement / basis of payment is not indicated in the specifications or other contract documents.

Line No.	Incidental Item	Unit	Incidental to Item Code	Incidental to Item
1.0	Moisture Density Testing	LS	2115-0100000	Modified Subbase, 6 Inch Depth
2.0	Certified Plant Inspection	LS	2301-1033090	Standard or Slip Form Portland Cement Concrete Pavement, Class C, Clas
4.0	Trench Shoring and Dewatering if Needed	LS	2435-0130148	Manhole, Sanitary Sewer, SW-301, 48 IN.
5.0	Trench Shoring and Dewatering if Needed	LS	2435-0140148	Manhole, Storm Sewer, SW-401, 48 IN.
6.0	Trench Shoring and Dewatering if Needed	LS	2435-0140160	Manhole, Storm Sewer, SW-401, 60 IN.
7.0	Trench Shoring and Dewatering if Needed	LS	2435-0250248	Intake, SW-502, 48 IN
8.0	Trench Shoring and Dewatering if Needed	LS	2435-0250260	Intake, SW-502, 60 IN
9.0	Trench Shoring and Dewatering if Needed	LS	2435-0250500	Intake, SW-505
10.0	Trench Shoring and Dewatering if Needed	LS	2435-0250700	Intake, SW-507
11.0	Trench Shoring and Dewatering if Needed	LS	2435-0251224	Intake, SW-512, 24 IN.
12.0	Certified Plant Inspection	LS	2511-7526004	Sidewalk, P.C. Concrete, 4 In.
13.0	Certified Plant Inspection	LS	2511-7526006	Sidewalk, P.C. Concrete, 6 In.
14.0	Certified Plant Inspection	LS	2512-1725256	Curb and Gutter, P.C. Concrete, 2.5 FT
15.0	Certified Plant Inspection	LS	2515-2475007	Driveway, P.C. Concrete, 7 IN.
16.0	Certified Plant Inspection	LS	2515-2475008	Driveway, P.C. Concrete, 8 IN.
17.0	Removal of Concrete Footings	EA	2524-6765010	Remove and Reinstall Sign as Per Plan
18.0	Removal of Existing Pavement	SY	2529-5070110	Patches, Full-Depth Finish, By Area
19.0	Removal of Existing Pavement	SY	2529-5070110	Patches, Full-Depth Finish, By Area
20.0	Additional Traffic Control Devices if Needed	EA	2528-8445110	Traffic Control
21.0	Retests for Trench Compaction Testing	LS	2552-0000300	Trench Compaction Testing
22.0	Coordination of Schedule Updates for Public	LS	2533-4980005	Mobilization
23.0	Materials Needed to Remove and Relocate Each Fire Hydrant	LS	2599-9999005	Fire Hydrant Relocation
24.0	Removal of the Top Section of the Existing Brick Manhole	LS	2599-9999005	Valve Box
25.0	Filling the Rest of the Existing Manhole with Sand	LS	2599-9999005	Valve Box
26.0	Removal and installation of new sanitary sewer	LF	2435-0130148	Manhole, Sanitary Sewer, SW-301, 48 IN.

104_05A
8/15/22

INTAKES AND UTILITY ACCESSES

* Not a Bid Item
** For SW-545

Location	Type or Standard Road Plan*	Form Grade Elev.	Bottom Well Elev.	Extension Length** (FT)	Remarks
107+76.78	SW-301 (48")	1119.09	1106.00		FL= 1106.5. Verify Elevation.

104_10
4/16/24

ADJUSTMENT OF FIXTURES

Item No.	Location Station	Side	Type of Fixture	Adjustment
1	104+37.63	Right	Storm Intake	EX RIM=1120.58, PROP RIM=1120.55, MINOR
2	108+16.39	Right	Sanitary Manhole	EX RIM=1119.15, PROP RIM=1118.63, MAJOR, CLEANOUT
3	111+12.24	Left	Storm Intake	MINOR
4	111+52.72	Left	Sanitary Manhole	MAJOR, NEW CASTING
5	111+65.64	Left	Water Manhole	MINOR
6	111+89.08	Right	Water Manhole	MINOR
7	114+89.68	Right	Storm Intake	MINOR
8	114+90.54	Left	Storm Intake	MINOR
9	115+10.04	Left	Storm Manhole	MAJOR, NEW CASTING
10	115+25.71	Left	Sanitary Manhole	MAJOR, NEW CASTING
11	121+12.01	Left	Water Manhole	MINOR
12	121+16.74	Left	Storm Manhole	MAJOR, NEW CASTING
13	124+43.34	Right	Storm Intake	MINOR
14	124+56.65	Left	Water Manhole	MINOR
15	124+56.57	Left	Water Manhole	MINOR
16	124+56.91	Right	Water Manhole	MINOR
17	124+65.77	Left	Sanitary Manhole	MAJOR, NEW CASTING
18	124+81.66	Left	Storm Manhole	MAJOR, NEW CASTING
19	124+90.14	Right	Storm Intake	MINOR
20	124+91.02	Left	Storm Intake	MINOR
				TOTAL
				INTAKE, MINOR = 7
				MANHOLE, MAJOR = 7
				MANHOLE, MINOR = 6

DIV.1
DIV.2
DIV.1 = 4, DIV.2 = 3
DIV.1 = 4, DIV.2 = 3
DIV.1 = 3, DIV.2 = 3

105_04
10/21/25

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
DR-121	04-18-23	Connected Pipe Joints
DR-303	10-17-17	Subdrains (Longitudinal)
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
EC-602	10-15-24	Open-Throat Curb Intake Sediment Filter
EC-603	10-17-23	Erosion Control for Intake or Manhole Well
EC-604	10-17-23	Grate Intake Sediment Filter Bag
LI-103	10-21-25	Conduit and Precast Handholes
LI-152	10-21-14	Control Cabinet (Pad-Mounted)
MI-210	10-21-25	PCC Driveways and Alleys
MI-220	04-15-25	Detectable Warnings and Pedestrian Ramp
MI-221	10-21-25	Combined Retaining Wall - Sidewalk
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	04-15-25	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-521	10-15-24	Two-Lane Roadway with Right Turn Lanes
PM-522	10-15-24	Two-Lane Roadway with Left Turn Lanes
PM-550	10-15-24	Two-Lane Roadway with Two-Way Left Turn Lane
PR-101	10-21-25	Full Depth Patch with 'EF' Joint in PCC
PR-103	10-21-25	Full Depth PCC Patch with Dowels
PV-101	10-21-25	Joints
PR-102	10-21-25	Full Depth PCC Patch without Dowels
PR-105	10-21-25	Full Depth Ramp PCC Patch with Dowels
PV-121	10-21-25	Jointing PCC Pavement Widening
SI-101	04-19-16	Locations - Type 'A' Signs
SI-113	10-15-19	Support Structures - Steel Breakaway Posts
SI-119	10-17-17	Support Structures - Mounting Brackets
SI-131	10-18-16	Installation - Type 'A' Signs
SW-101	10-21-25	Trench Bedding and Backfill Zones
SW-102	10-21-25	Rigid Gravity Pipe Trench Bedding
SW-104	10-21-25	Pressure Pipe Trench Bedding
SW-105	10-21-25	Miscellaneous Pipe Bedding
SW-211	10-21-25	Storm Sewer Pipe Connections
SW-301	10-21-25	Circular Sanitary Sewer Manhole
SW-401	10-21-25	Circular Storm Sewer Manhole
SW-502	10-21-25	Circular Single Grate Intake
SW-505	10-21-25	Double Grate Intake
SW-507	10-21-25	Single Open-Throat Intake, Small Box
SW-512	10-21-25	Circular Area Intake
SW-601	10-21-25	Castings for Sanitary Sewer Manholes
SW-602	10-21-25	Castings for Storm Sewer Manholes
SW-603	10-21-25	Castings for Grate Intakes
SW-604	10-21-25	Castings for Area Intakes
TC-252	10-21-25	Routes Closed to Traffic
TC-419	04-18-23	Lane Closure on Undivided Highway
TC-423	04-18-23	Closure of Two Adjacent Lanes on Undivided Highway
TC-601	10-15-19	Pedestrian Detour
TS-102	10-21-25	Traffic Signal Pole Foundation
WM-101	10-21-25	Thrust Blocks
WM-102	10-21-25	Tracer System

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet C.7

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

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102_03
10/15/24

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210.
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Station	Side	Access Type	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
105+98.22	Left	B	2	1.5 inch Dropped	18.0	12.0									PCC	19.7		7 IN, DIV. 1
106+19.53	Right	B	2	1.5 inch Dropped	39.1	31.0									PCC	114.0		7 IN, DIV. 1
106+34.03	Left	Other			55.5	57.2									PCC	37.1		6 IN, DIV. 1
109+43.42	Left	B	2	1.5 inch Dropped	22.0	16.0									PCC	37.2		7 IN, DIV. 1
109+85.83	Left	B	2	1.5 inch Dropped	21.6	15.6									PCC	22.1		7 IN, DIV. 1
109+88.51	Right	B	1	1.5 inch Dropped	70.6	34.2									PCC	79.0		8 IN, DIV. 1
121+21.84	Left	Other			16.8	20.0									PCC	15.2		6 IN, DIV. 2
121+44.86	Left	Other			12.3	15.4									PCC	9.5		6 IN, DIV. 2
124+20.52	Left	Other			11.5	15.0									PCC	10.5		6 IN, DIV. 2
124+42.72	Left	Other			11.8	15.0									PCC	10.5		6 IN, DIV. 2
125+14.43	Right	Other			15.0	20.0									PCC	6.2		6 IN, DIV. 2
206+57.70	Left	B	1	1.5 inch Dropped	53.2	55.2									PCC	130.8		8 IN, DIV. 1
																		6" PCC TOTAL DIV. 1 = 37.1 SY
																		6" PCC TOTAL DIV. 2 = 51.9SY
																		7" PCC TOTAL DIV. 1 = 193.0 SY
																		8" PCC TOTAL DIV. 1 = 209.8 SY

102_05
9/29/23

EXISTING PAVEMENT

County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks
Webster	IA 413	Both						PCC	9.0											
Webster	2ND AVENUE N	Both						PCC	9.0											

102_06C
4/4/24

FULL-DEPTH PATCHES

Count	Station	Reference Location Sign	Lane	Length (FT)	Width (FT)	Patch Thickness (IN)	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1	111+24.76	1	SB			9.0	PCC With Dowels (PR-103)	51.0						4				DIV. 1
1	111+35.54	2	NB			9.0	PCC With Dowels (PR-103)	26.4						2				DIV. 1
1	111+68.55	3	SB			9.0	PCC With Dowels (PR-103)	126.2						8				DIV. 1
1	111+93.00	4	NB	20.0	4.6	9.0	PCC With Dowels (PR-103)	10.2						1				DIV. 1
1	112+42.00	5	SB	5.0	11.5	9.0	PCC With Dowels (PR-103)	6.4										DIV. 1
1	113+49.45	6	Both			9.0	PCC With Dowels (PR-103)	138.1						7				>50LF, DIV. 1
1	114+22.00	7	Both	5.0	22.0	9.0	PCC With Dowels (PR-103)	12.2										DIV. 1
1	114+45.00	8	SB	5.0	11.0	9.0	PCC With Dowels (PR-103)	6.1										DIV. 1
1	114+95.18	9	Both			9.0	PCC With Dowels (PR-103)	147.1						8				>50LF, DIV. 1
1	115+10.04	10	NB			9.0	PCC With Dowels (PR-103)	28.8						2				DIV. 1
1	115+89.50	11	SB	10.0	11.0	9.0	PCC With Dowels (PR-103)	12.2										DIV. 1
1	116+87.01	12	SB	6.0	11.5	9.0	PCC With Dowels (PR-103)	7.7										DIV. 2
1	116+95.00	13	SB	10.0	11.0	9.0	PCC With Dowels (PR-103)	12.2										DIV. 2
1	118+63.66	14	NB			9.0	PCC With Dowels (PR-103)	6.9										DIV. 2
1	118+87.94	15	EB			9.0	PCC With Dowels (PR-103)	25.3										DIV. 2
1	121+18.50	16	SB	15.0	11.5	9.0	PCC With Dowels (PR-103)	19.2										DIV. 2
1	124+47.29	17	NB			9.0	PCC With Dowels (PR-103)	62.7						2				DIV. 2
1	124+80.38	18	SB			9.0	PCC With Dowels (PR-103)	244.9						11				>50LF, DIV. 2
		TOTAL Div.1 = 564.7 SY																TOTAL 'CD' Div.1 = 32
		+20% Div.1 = 677.6 SY																+20% Div.1 = 38
		TOTAL Div.2 = 378.9 SY																TOTAL 'CD' Div.2 = 13
		+20% Div.2 = 454.7 SY																+20% Div.2 = 16
		TOTAL PATCHES DIV.1=11 EA																
		+20% DIV.1 = 14 EA																
		TOTAL PATCHES DIV.2=7 EA																
		+20% DIV.2 = 8 EA																

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MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet C.8
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.8

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17
BCY6: Broken Centerline (Yellow) @ 0.25
BLC6: Broken Line Contrast (White/Black) @ 0.50
BLW4: Broken Lane Line (White) @ 0.17
BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00
CHW8: Channelizing Line (White) @ 1.33
CHW10: Channelizing Line (White) @ 1.67
CHY8: Channelizing Line (Yellow) @ 1.33
CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00
DCY4: Double Centerline (Yellow) @ 1.34
DCY6: Double Centerline (Yellow) @ 2.00
DDY4: Double Dotted Line (Yellow) @ 0.44
DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22
DLW6: Dotted Line (White) @ 0.33
DLY4: Dotted Line (Yellow) @ 0.22
DLY6: Dotted Line (Yellow) @ 0.33
ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00
ELY4: Edge Line Left (Yellow) @ 0.67
ELY6: Edge Line Left (Yellow) @ 1.00
LDW8: Lane Drop (White) @ 0.33
LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00
NPY4: No Passing Zone Line (Yellow) @ 0.84
NPY6: No Passing Zone Line (Yellow) @ 1.25
RLW4: Ramp Edge Line Right (White) @ 0.67
RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
SLW2: Stop Line (White) @ 4.00
SLW4: Solid Lane Line (White) @ 0.67
SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16
SPW6: Sloped Curb 6" (White) @ 2.28
SPY4: Sloped Curb 4" (Yellow) @ 2.16
SPY6: Sloped Curb 6" (Yellow) @ 2.28
STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03
YLW2: Yield Line (White) @ 1.15

Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	BLW4 (STA)	BLW4 Factored (STA)	CHW8 (STA)	CHW8 Factored (STA)	CHY8 (STA)	CHY8 Factored (STA)	CLW6 (STA)	CLW6 Factored (STA)	DCY4 (STA)	DCY4 Factored (STA)	DLW4 (STA)	DLW4 Factored (STA)	NPY4** (STA)	NPY4** Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW4 (STA)	SLW4 Factored (STA)	Remarks
N 15TH STREET	104+53.15	105+31.25	NB	Durable Paint	X											0.73	0.98									DIV.1
N 15TH STREET	104+53.15	104+85.00	SB	Durable Paint	X																			0.32	0.21	
N 15TH STREET	104+53.15	105+76.85	NB	Durable Paint			X																	1.19	0.80	
N 15TH STREET	104+53.15	107+35.74	SB	Durable Paint			X																	2.78	1.86	
N 15TH STREET	105+31.25	107+30.74	SB	Durable Paint	X											1.99	2.67									
N 15TH STREET	105+76.85	107+30.74	NB	Durable Paint	X																			1.54	1.03	
N 15TH STREET	105+76.85	106+31.73	NB	Durable Paint			X											0.55	0.12							
N 15TH STREET	106+31.73	107+30.74	NB	Durable Paint			X																	0.99	0.66	
N 15TH STREET	106+48.71	107+30.74	Right	Durable Paint			X											0.82	0.18							
N 15TH STREET	107+30.74	107+28.35	NB	Durable Paint	X	X	X															0.40	1.60			
N 15TH STREET	107+40.74	107+40.74	Both	Durable Paint	X	X	X							0.74	1.48											
N 15TH STREET	108+21.81	108+21.81	Both	Durable Paint	X	X	X							0.76	1.52											
N 15TH STREET	108+31.81	108+34.63	SB	Durable Paint	X	X	X															0.40	1.60			
N 15TH STREET	108+26.81	109+42.86	NB	Durable Paint																				1.16	0.78	
N 15TH STREET	108+31.81	109+30.78	SB	Durable Paint			X											0.99	0.22							
N 15TH STREET	108+31.81	109+30.78	SB	Durable Paint			X																	0.99	0.66	
N 15TH STREET	108+31.81	109+68.38	SB	Durable Paint	X																			1.37	0.92	
N 15TH STREET	108+31.81	109+68.38	NB	Durable Paint	X											1.37	1.84									
N 15TH STREET	109+30.78	109+68.38	SB	Durable Paint			X											0.38	0.08							
N 15TH STREET	109+68.38	111+13.07	NB	Durable Paint	X															1.45	1.22					
N 15TH STREET	109+68.38	111+13.00	SB	Durable Paint			X																	1.45	0.97	
N 15TH STREET	110+15.50	111+13.00	NB	Durable Paint			X																	0.97	0.65	
N 15TH STREET	110+23.83	111+13.07	NB	Durable Paint	X															0.89	0.75					
N 15TH STREET	111+90.00	112+40.00	SB	Durable Paint	X																			0.50	0.34	
N 15TH STREET	111+90.00	113+11.91	NB	Durable Paint	X											1.22	1.63									
N 15TH STREET	111+90.00	114+75.55	SB	Durable Paint			X																	2.86	1.92	
N 15TH STREET	111+90.00	114+75.55	NB	Durable Paint			X																	2.86	1.92	
N 15TH STREET	113+11.91	114+91.91	Both	Durable Paint	X							1.80	2.39													
N 15TH STREET	115+61.38	118+55.41	NB	Durable Paint		X		2.94	0.50																	
N 15TH STREET	115+61.38	118+55.41	Both	Durable Paint		X										2.94	3.94									
N 15TH STREET	115+61.38	118+55.41	SB	Durable Paint		X		2.94	0.50																	
N 15TH STREET	119+35.47	120+57.15	NB	Durable Paint		X		1.22	0.21																	DIV.2
N 15TH STREET	119+35.47	120+57.15	Both	Durable Paint		X										1.22	1.63									
N 15TH STREET	119+35.47	120+57.15	SB	Durable Paint		X		1.22	0.21																	
N 15TH STREET	120+57.15	120+57.15	NB	Durable Paint	X	X	X															0.23	0.92			
N 15TH STREET	120+62.44	120+67.60	Both	Durable Paint	X	X	X							0.49	0.98											
N 15TH STREET	120+77.01	121+20.88	WB	Durable Paint	X	X	X							0.44	0.88											
N 15TH STREET	120+77.18	121+20.69	EB	Durable Paint	X	X	X							0.44	0.88											
N 15TH STREET	120+79.54	121+18.59	EB	Durable Paint	X	X	X															0.39	1.56			
N 15TH STREET	121+30.98	121+35.98	Both	Durable Paint	X	X	X							0.48	0.96											
N 15TH STREET	121+40.98	121+40.98	SB	Durable Paint	X	X	X															0.23	0.92			
N 15TH STREET	121+40.98	124+24.20	NB	Durable Paint		X		2.83	0.48																	
N 15TH STREET	121+40.98	124+24.20	Both	Durable Paint		X										2.83	3.79									

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet C.9

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet C.9

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PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17
BCY6: Broken Centerline (Yellow) @ 0.25
BLC6: Broken Line Contrast (White/Black) @ 0.50
BLW4: Broken Lane Line (White) @ 0.17
BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00
CHW8: Channelizing Line (White) @ 1.33
CHW10: Channelizing Line (White) @ 1.67
CHY8: Channelizing Line (Yellow) @ 1.33
CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00
DCY4: Double Centerline (Yellow) @ 1.34
DCY6: Double Centerline (Yellow) @ 2.00
DDY4: Double Dotted Line (Yellow) @ 0.44
DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22
DLW6: Dotted Line (White) @ 0.33
DLY4: Dotted Line (Yellow) @ 0.22
DLY6: Dotted Line (Yellow) @ 0.33
ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00
ELY4: Edge Line Left (Yellow) @ 0.67
ELY6: Edge Line Left (Yellow) @ 1.00
LDW8: Lane Drop (White) @ 0.33
LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00
NPY4: No Passing Zone Line (Yellow) @ 0.84
NPY6: No Passing Zone Line (Yellow) @ 1.25
RLW4: Ramp Edge Line Right (White) @ 0.67
RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
SLW2: Stop Line (White) @ 4.00
SLW4: Solid Lane Line (White) @ 0.67
SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16
SPW6: Sloped Curb 6" (White) @ 2.28
SPY4: Sloped Curb 4" (Yellow) @ 2.16
SPY6: Sloped Curb 6" (Yellow) @ 2.28
STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03
YLW2: Yield Line (White) @ 1.15

Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	BLW4 (STA)	BLW4 Factored (STA)	CHW8 (STA)	CHW8 Factored (STA)	CHY8 (STA)	CHY8 Factored (STA)	CLW6 (STA)	CLW6 Factored (STA)	DCY4 (STA)	DCY4 Factored (STA)	DLW4 (STA)	DLW4 Factored (STA)	NPY4** (STA)	NPY4** Factored (STA)	SLW2 (STA)	SLW2 Factored (STA)	SLW4 (STA)	SLW4 Factored (STA)	Remarks
N 15TH STREET	121+40.98	124+24.20	SB	Durable Paint		X		2.83	0.48																	DIV.2
N 15TH STREET	124+24.20	124+24.20	NB	Durable Paint	X	X	X															0.23	0.92			
N 15TH STREET	124+29.20	124+34.72	Both	Durable Paint	X	X	X							0.47	0.94											
N 15TH STREET	124+44.84	124+88.86	EB	Durable Paint	X	X	X							0.44	0.88											
N 15TH STREET	124+49.68	124+84.62	WB	Durable Paint	X	X	X							0.35	0.70											
N 15TH STREET	124+53.42	124+80.07	WB	Durable Paint	X	X	X															0.27	1.08			
N 15TH STREET	124+98.26	125+03.65	Both	Durable Paint	X	X	X							0.47	0.94											
N 15TH STREET	125+07.19	125+07.33	SB	Durable Paint	X	X	X															0.23	0.92			
N 15TH STREET	125+07.19	125+25.63	Both	Durable Paint		X										0.18	0.24									
2ND AVENUE N	202+08.10	202+97.65	Both	Durable Paint		X						1.80	2.39													DIV.1
2ND AVENUE N	202+97.65	203+97.66	WB	Durable Paint	X											1.00	1.34									
2ND AVENUE N	202+98.10	203+97.66	EB	Durable Paint	X																			1.00	0.67	
2ND AVENUE N	203+52.83	203+97.66	EB	Durable Paint			X																	0.45	0.30	
2ND AVENUE N	203+97.66	203+97.66	EB	Durable Paint	X	X	X															0.35	1.40			
2ND AVENUE N	203+99.91	204+12.47	Both	Durable Paint	X	X	X							0.59	1.18											
2ND AVENUE N	205+07.45	205+19.97	Both	Durable Paint	X	X	X							0.59	1.18											
2ND AVENUE N	205+22.26	205+22.26	WB	Durable Paint	X	X	X															0.35	1.40			
2ND AVENUE N	205+22.26	206+22.26	EB	Durable Paint	X											1.00	1.34									
2ND AVENUE N	205+22.26	206+22.25	WB	Durable Paint	X																			1.00	0.67	
2ND AVENUE N	205+22.26	206+22.25	WB	Durable Paint			X																	1.00	0.67	
2ND AVENUE N	206+22.26	207+12.01	Both	Durable Paint		X						1.80	2.39													
N 15TH STREET	104+39.00	105+29.70	Both	Removal of Paint	X		X			0.91	1.21															DIV.1
N 15TH STREET	104+44.00	104+95.00	SB	Removal of Paint		X																		0.51	0.34	
N 15TH STREET	104+44.00	106+29.10	Both	Removal of Paint		X						1.85	2.46													
N 15TH STREET	106+05.00	107+48.50	NB	Removal of Paint		X		1.44	0.24																	
N 15TH STREET	108+29.20	108+29.20	SB	Removal of Paint		X																0.12	0.48			
N 15TH STREET	108+29.20	108+83.90	SB	Removal of Paint	X																			0.55	0.37	
N 15TH STREET	108+29.20	111+13.00	Both	Removal of Paint		X										2.84	3.81									
N 15TH STREET	108+29.20	111+13.00	NB	Removal of Paint		X		2.84	0.48																	
N 15TH STREET	108+29.20	111+13.00	SB	Removal of Paint		X		2.84	0.48																	
N 15TH STREET	111+87.50	114+94.00	Both	Removal of Paint		X										3.06	4.10									
N 15TH STREET	111+87.50	114+94.00	NB	Removal of Paint		X		3.06	0.52																	
N 15TH STREET	111+87.50	114+94.00	SB	Removal of Paint		X		3.06	0.52																	
2ND AVENUE N	202+08.10	204+21.90	Both	Removal of Paint		X										2.14	2.87									
2ND AVENUE N	204+21.90	204+21.90	EB	Removal of Paint	X	X	X															0.12	0.48			
2ND AVENUE N	205+06.00	205+06.00	WB	Removal of Paint	X	X	X															0.24	0.96			
2ND AVENUE N	205+06.00	206+42.00	WB	Removal of Paint		X																		1.36	0.91	
2ND AVENUE N	205+06.00	207+12.00	Both	Removal of Paint		X										2.06	2.76									
																										TOTALS (DURABLE PAINT)
																										BLW4 = 2.38 STA
																										CHY8 = 7.17 STA
																										CLW6 = 12.52 STA
																										DCY4 = 19.4 STA
																										DLW4 = 0.6 STA
																										NPY4 = 1.97 STA
																										SLW2 = 12.32 STA
																										SLW4 = 15.03 STA
Total:									**4.62**		**1.21**		**9.63**		**12.52**		**32.94**		**0.6**		**1.97**		**14.24**		**16.65**	

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MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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108_29
4/15/25

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
N 15TH STREET	104+63.00	Right	LTAW	1	Yes	DIV.1
N 15TH STREET	104+80.00	Right	BLSW	1	Yes	
N 15TH STREET	106+53.66	Left	LTAW	1	Yes	
N 15TH STREET	106+75.00	Right	BLSW	1	Yes	
N 15TH STREET	106+90.60		ONLW	1	Yes	
N 15TH STREET	106+91.52	Right	ONLW	1	Yes	
N 15TH STREET	107+00.00	Right	BLSW	1	Yes	
N 15TH STREET	107+25.30	Right	RTAW	1	Yes	
N 15TH STREET	107+25.47	Left	LTAW	1	Yes	
N 15TH STREET	108+42.40	Right	LTAW	1	Yes	
N 15TH STREET	108+42.79	Left	RTAW	1	Yes	
N 15TH STREET	108+55.00	Right	BLSW	1	Yes	
N 15TH STREET	108+73.13	Left	ONLW	1	Yes	
N 15TH STREET	108+73.66		ONLW	1	Yes	
N 15TH STREET	108+93.00	Left	BLSW	1	Yes	
N 15TH STREET	109+25.58	Right	LTAW	1	Yes	
N 15TH STREET	110+35.00	Right	BLSW	1	Yes	
N 15TH STREET	110+71.00	Left	LTAW	1	Yes	
N 15TH STREET	110+87.00	Right	LTAW	1	Yes	
N 15TH STREET	110+95.00	Left	BLSW	1	Yes	
N 15TH STREET	112+00.00	Right	LTAW	1	Yes	↓
2ND AVENUE N	203+24.20	Left	LTAW	1	Yes	DIV.1
2ND AVENUE N	203+60.00		ONLW	1	Yes	
2ND AVENUE N	203+90.43	Right	RTAW	1	Yes	
2ND AVENUE N	203+91.25	Left	LTAW	1	Yes	
2ND AVENUE N	205+32.58	Left	RTAW	1	Yes	
2ND AVENUE N	205+33.66	Right	LTAW	1	Yes	
2ND AVENUE N	205+71.21	Left	ONLW	1	Yes	
2ND AVENUE N	205+71.25		ONLW	1	Yes	
2ND AVENUE N	206+08.67	Right	LTAW	1	Yes	
2ND AVENUE N	206+08.85	Left	RTAW	1	Yes	↓
TOTAL			BLSW	7		
TOTAL			LTAW	10		
TOTAL			ONLW	7		
TOTAL			RTAW	5		
				29		

304_99
Modified

REMOVALS, PER PLAN

Station	Offset	Item Description
STA. 107+09.25	36.09' LT	Gas Station Canopy
STA. 107+44.91	64.45' LT	Gas Pump
STA. 107+52.55	29.28' LT	Gas Station Sign

110_08
8/15/22

REMOVAL OF CONCRETE DRIVES

* Not a Bid Item.

Station	Side	Area (SY)	Saw Cut* (LF)	Remarks
105+98.22	Left	759.5	221.5	STOP STATION 107+77.47, DIV. 1
106+19.80	Right	125.1	53.9	DIV. 1
109+19.68	Right	35.5		DIV. 1
109+43.43	Left	46.1	30.3	DIV. 1
109+85.84	Left	25.8	27.0	DIV. 1
121+22.54	Left	17.6	29.0	DIV. 2
121+44.20	Left	13.1	23.1	DIV. 2
124+24.32	Left	18.0	30.7	DIV. 2
124+42.98	Left	18.6	31.0	DIV. 2
206+14.48	Left	21.9		DIV. 1
204+75.10	Left	327.9	299.6	STOP STATION 206+89.43, DIV. 1
		1341.8	632.3	TOTAL DIV. 1
		67.3	113.8	TOTAL DIV. 2

110_15
8/15/22

REMOVAL OF INTAKES AND UTILITY ACCESSES

Line No.	Location Description	Type	Remarks
1.0	STA 107+41.93, 37.77' RT	Intakes	Storm
2.0	STA 107+63.39, 23.50' LT	Intakes	Storm
3.0	STA 107+76.77, 9.65' RT	Utilities	Sanitary Manhole
4.0	STA 107+99.69, 23.09' RT	Intakes	Storm
5.0	STA 108+27.43, 39.14' LT	Utilities	Storm Manhole
6.0	STA 203+59.73, 8.51' RT	Utilities	Water Main Manhole

110_01
4/5/24

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5.

* Not a bid item.

Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks
1.0	104+20.55	109+97.44	Both	PCC	2641.7	256.9	9" Existing Thickness at 45' Width
2.0	202+24.04	204+42.89	Both	PCC	917.6	34.6	9" Existing Thickness at 40' Width
3.0	204+73.64	207+02.26	Both	PCC	352.2	201.6	9" Existing Thickness at 40' Width
Total:					**3911.5**	**493.1**	

110_14
7/11/24

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Line No.	Location Description	Sewer and Work Type	≤ 36 inch Diameter (LF)	> 36 inch Diameter (LF)	Plug Quantity (EA)	* Flowable Mortar or CLSM (CY)	Remarks
0.1	10730.94 RT - 12" RCP	Storm Sewer - Removal	18.4				
1.0	STA 107+41.93 RT - 12" RCP	Storm Sewer - Removal	60.0				
2.0	STA 107+63.39 LT - 12" RCP	Storm Sewer - Removal	66.0				
3.0	STA 107+99.69 BOTH - 12" RCP	Storm Sewer - Removal	68.0				
4.0	STA 108+27.43 LT - 15" RCP	Storm Sewer - Removal	166.0				
Total:			**378.4**				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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110_17
1/27/25

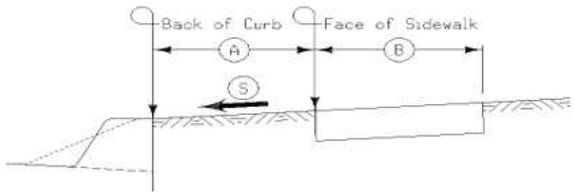
CLEARING AND GRUBBING

Line No.	Station From	Station To	Direction of Traffic	Work and Material Type	>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Estimated Herbicide Application (EA)	Remarks
1.0	105+55.05		SB	Trees - Clearing and Grubbing								1								50.0			DIVISION 1
2.0	105+79.78		SB	Trees - Clearing and Grubbing						1										22.0			DIVISION 1
3.0	110+33.15		SB	Trees - Clearing and Grubbing						1										22.0			DIVISION 1
4.0	110+52.06		SB	Trees - Clearing and Grubbing							1									29.0			DIVISION 1
5.0	111+97.15		NB	Trees - Clearing and Grubbing			1													6.7			DIVISION 1
6.0	112+03.05		SB	Trees - Clearing and Grubbing										1						120.0			DIVISION 1
7.0	113+62.54		SB	Trees - Clearing and Grubbing								1								50.0			DIVISION 1
8.0	113+97.49		NB	Trees - Clearing and Grubbing												1				200.0			DIVISION 1
9.0	114+38.51		NB	Trees - Clearing and Grubbing											1					160.0			DIVISION 1
10.0	115+82.72		NB	Trees - Clearing and Grubbing								1								50.0			DIVISION 1
11.0	117+27.53		NB	Trees - Clearing and Grubbing								1								50.0			DIVISION 2
12.0	118+54.37		NB	Trees - Clearing and Grubbing			1													6.7			DIVISION 2
13.0	119+63.81		NB	Trees - Clearing and Grubbing											1					160.0			DIVISION 2
14.0	204+88.00	205+05.87	WB	Hedge Rows - Clearing														18.0		5.4			DIVISION 2
15.0	206+52.72		WB	Trees - Clearing and Grubbing		1														3.9			DIVISION 2
Total:																				**935.7**			

113_01
3/29/24

SIDEWALKS

See MI-220 and S Sheets



Intersection/Road	Quadrant/Side	A (FT)	B (FT)	S (%)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
N 15TH STREET/1ST AVENUE N	1/LT		5.0		5.6	20.5	29.5	
N 15TH STREET/1ST AVENUE N	2/LT		5.0		5.4	21.5	20.0	6" Curb = 1.8 SY
N 15TH STREET/1ST AVENUE N	3/RT		5.0		2.8	24.9	20.0	
N 15TH STREET/1ST AVENUE N	4/RT		5.0		2.8	28.5	20.0	
N 15TH STREET/2ND AVENUE N	1/LT	5.0	5.0		188.0	28.6	20.0	
N 15TH STREET/2ND AVENUE N	2/LT		5.0		169.2	37.3	25.7	
N 15TH STREET/2ND AVENUE N	3/RT	5.0	5.0		137.2	29.4	20.0	
N 15TH STREET/2ND AVENUE N	4/RT		5.0		101.3	29.7	24.7	
N 15TH STREET	RT		5.0		2.8	20.5	19.9	
N 15TH STREET/3RD AVENUE N	1/LT				4.0	24.8	22.0	
N 15TH STREET/3RD AVENUE N	2/LT				2.3	21.9	19.0	
N 15TH STREET/3RD AVENUE N	3/RT		5.0			28.3	20.0	
N 15TH STREET/3RD AVENUE N	4/RT		5.0			26.9	20.0	
N 15TH STREET/4TH AVENUE N	1/LT		5.0			24.9	20.0	6" Curb = 1.1 SY
N 15TH STREET/4TH AVENUE N	2/LT		5.0			26.7	20.0	
N 15TH STREET/4TH AVENUE N	3/RT					8.4	10.0	
N 15TH STREET/4TH AVENUE N	4/RT		5.0			27.9	20.0	
N 15TH STREET/5TH AVENUE N	1/LT		5.0		2.8	31.3	20.0	6" Curb = 2.3 SY
N 15TH STREET/5TH AVENUE N	2/LT		5.0		5.6	34.2	20.0	
N 15TH STREET/5TH AVENUE N	4/RT		5.0		2.8	31.7	20.0	
N 15TH STREET/6TH AVENUE N	1/LT		5.0			34.7	20.0	
N 15TH STREET/6TH AVENUE N	2/LT		5.0		5.8	34.8	20.0	6" Curb = 2.6 SY
N 15TH STREET/6TH AVENUE N	3/RT		5.0		5.6	33.3	20.0	
N 15TH STREET/6TH AVENUE N	4/RT		5.0		14.9	36.4	20.0	
N 15TH STREET/7TH AVENUE N	1/LT		5.0			39.3	20.0	6" Curb = 2.3 SY
N 15TH STREET/7TH AVENUE N	2/LT		5.0			36.5	20.0	
N 15TH STREET/7TH AVENUE N	3/RT					45.7	20.0	6" Curb = 2.5 SY
N 15TH STREET/7TH AVENUE N	4/RT		5.0		2.8	34.5	20.0	
2ND AVENUE N	LT		5.0			18.5	20.0	
Total:					**661.7**	**841.6**	**590.8**	

110_05
8/15/22

SIDEWALK REMOVAL

* Not a bid item

Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks
1.0	103+61.11	103+87.80	26.3	27.1	DIV. 1
2.0	103+62.59	103+89.77	25.2	21.1	DIV. 1
3.0	104+34.14	104+62.50	26.6	25.1	DIV. 1
4.0	104+35.18	104+65.27	24.5	22.9	DIV. 1
5.0	105+45.29	106+04.99	30.7	4.6	DIV. 1
6.0	105+58.61	105+93.02	18.7	5.7	DIV. 1
7.0	106+04.59	106+69.76	34.2		DIV. 1
8.0	106+33.53	107+52.58	86.5	5.0	DIV. 1
9.0	108+18.05	109+36.37	68.5	5.0	DIV. 1
10.0	108+18.06	110+24.80	109.4	15.4	DIV. 1
11.0	109+50.62	109+78.00	15.3		DIV. 1
12.0	111+07.00	111+36.00	25.3	9.8	LT, DIV. 1
13.0	111+07.00	111+36.45	23.1	8.7	RT, DIV. 1
14.0	111+66.18	111+96.50	23.9	18.4	DIV. 1
15.0	111+67.55	111+96.50	22.2	9.1	DIV. 1
16.0	114+81.00	115+09.40	21.6	9.7	LT, DIV. 1
17.0	114+81.00	115+10.44	22.8	8.6	RT, DIV. 1
17.1	115+40.39	115+55.70	8.9	13.0	DIV. 1
18.0	115+40.77	115+70.52	23.3	19.1	DIV. 1
19.0	118+43.52	118+72.50	24.9	22.9	DIV. 2
20.0	118+46.48	118+80.86	30.2	18.3	DIV. 2
21.0	119+18.08	119+52.63	26.8	19.4	DIV. 2
22.0	120+25.81	120+77.13	31.3	21.9	DIV. 2
23.0	120+46.94	120+76.68	26.1	19.1	DIV. 2
24.0	121+19.45	121+51.47	35.8	80.4	DIV. 2
25.0	121+24.46	121+51.98	30.9	18.7	DIV. 2
26.0	124+14.20	124+44.83	28.7	67.8	DIV. 2
27.0	124+14.00	124+50.40	27.3	9.0	DIV. 2
28.0	124+84.38	125+23.25	46.6	105.0	DIV. 2
29.0	124+88.45	125+19.19	27.4	9.0	DIV. 2
30.0	202+15.53	204+14.07	112.2	21.1	DIV. 1
31.0	202+15.55	204+09.68	113.1	11.8	DIV. 1
32.0	204+73.17	206+89.48	124.6	4.8	DIV. 1
33.0			966.9	266.0	TOTAL DIV. 1
34.0			336.0	391.5	TOTAL DIV. 2

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet C.12

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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190_51
2/10/23

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Sq. Steel Leg 1 (FT)	Sq. Steel Leg 2 (FT)	Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
R8-3	NB	104+53.00				14.0			Soil	1										1	2.5		DIV. 1
R3-17	SB	107+09.00				14.0			Soil	1										1	2.5		DIV. 1
R3-17	NB	108+80.00				14.0			Soil	1										1	2.5		DIV. 1
R2-1, R8-3	NB	110+50.00				16.0			Soil	1										1	2.5		DIV. 1
R2-1, R8-3	NB	110+50.00				16.0			Soil	1										1	2.5		DIV. 1
R3-9b, R3-17, R3-17bP	NB	110+95.00				16.0			Soil	1										1	2.5		DIV. 1
R3-9b, R3-17	SB	111+02.00				16.0			Soil	1										1	2.5		DIV. 1
W4-2L	SB	114+75.00				14.0			Soil	1										1	2.5		DIV. 1
W9-2R	SB	117+45.00				14.0			Soil	1										1	2.5		DIV. 2
R2-1, R8-3	NB	119+75.00				16.0			Soil	1										1	2.5		DIV. 2
R5-1, S1-1	EB	120+77.30				16.0			Soil	1										1	2.5	REMOVE FROM WOOD POST AND REATTACH TO PERF. STEEL	DIV. 2
R2-1, R8-3	WB	202+75.00				16.0			Soil	1										1	2.5		DIV. 1
R2-1, R8-3	EB	206+00.00				16.0			Soil	1										1	2.5		DIV. 1
Total:						**198**				**13**										**13**			

190_62
2/13/23

EXISTING SIGNS TO BE REMOVED

Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
R3-17bP	103+62.61	NB	1							DIV. 1
R3-17	104+53.00	NB			1					DIV. 1
R3-7	109+25.88	SB	1							DIV. 1
EXIT ONLY	109+29.62	SB			1					DIV. 1
ENTRANCE ONLY	109+73.83	SB			1					DIV. 1
W4-2	110+94.92	SB	1							DIV. 1
R8-3	115+90.93	NB			1					DIV. 1
NO PARKING ANY TIME	117+98.21	SB			1					DIV. 2
R1-1	118+70.75	EB			1					DIV. 2
R5-1, S1-1	120+77.30	EB			1					DIV. 2
EXIT ONLY	201+87.83	WB			1					DIV. 1
NO PARKING HERE TO CORNER	202+08.11	EB			1					DIV. 1
Total:			**3**		**9**					

190_61
2/10/23

EXISTING SIGNS TO BE REINSTALLED

Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (L F)	Wood Posts 4"x6" (L F)	Installation Type	Installation Dim 'X'	See Signing Notes
R3-17	NB	104+53.00	1	1			1	2.5	DIV. 1
EXIT ONLY	SB	109+29.62	1	1			1	2.5	DIV. 1
ENTRANCE ONLY	SB	109+73.83	1	1			1	2.5	DIV. 1
R8-3	NB	115+90.93	1	1			1	2.5	DIV. 1
NO PARKING ANY TIME	SB	117+98.21	1	1			1	2.5	DIV. 2
R1-1	EB	118+70.75	1	1			1	2.5	DIV. 2
R5-1, S1-1	EB	120+77.30	1	1			1	2.5	DIV. 2
EXIT ONLY	WB	201+87.83	1	1			1	2.5	DIV. 1
NO PARKING HERE TO CORNER	EB	202+08.11	1	1			1	2.5	DIV. 1
Total:			**9**	**9**			**9**		

190_66
9/29/23

SUMMARY OF TYPE 'A' SIGNS

Sign Number	Non-Standard Sign Number or Name	Quantity (EA)	Size (IN)	Sign Area (SF)	Total Sign Area (SF)	Remarks
R2-1		5	24 X 30	5.0	25.0	DIV. 1 = 10 SF, DIV.2 = 15 SF
R3-9B		2	24 X 36	6.0	12.0	DIV. 1
	R3-17	4	24 X 18	3.0	12.0	DIV. 1
	R3-17bP	1	24 X 8	1.3	1.3	DIV. 1
R5-1		1	30 X 30	6.3	6.3	DIV. 2
R8-3		7	24 X 30	5.0	35.0	DIV.1 = 15, DIV.2 = 20
	W4-2L	1	36 X 36	9.0	9.0	DIV. 1
	W9-2R	1	36 X 36	9.0	9.0	DIV. 2
	NO PARKING HERE TO CORNER	1	12 X 18	1.5	1.5	DIV. 1
	EXIT ONLY	1	24 X 18	3.0	3.0	DIV. 1
Total:		**24**			**114.1**	

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet C.13
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

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Project No: 124.0890.01

Sheet C.13

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mrramirez
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SIGNING NOTES

The following tolerances will be allowed on all signs:

Accumulation error of not greater than +/-0.50" per line of copy, not greater than +/-0.50" for spacing between lines of copy, and the margin between lines of copy and the inside edge of the sign border.

The following tolerances will be allowed on each letter or numeral:

nominal height	variation in height	variation in width
4" thru 12"	-1/8" to +3/8"	-1/4" to +1/4"
over 12"	-1/8" to +3/8"	-3/8" to +3/8"

Type B signs can be separated into two categories:
- Major Guide Signs.
- Minor Guide Signs.

Major Guide Signs include the advance and exit direction guide signs for an interchange or intersection.

Minor Guide Signs include all other guide signs such as NEXT EXIT signs, supplemental guide signs, logo signs, exit gore signs, post-interchange mileage signs, ramp destination signs, and ramp logo signs for an interchange, as well as destination signs along sideroads.

Type A signs are not separated into categories, but special consideration should be given to regulatory signs.

Do not remove Type B signs until replacement signs have been installed. If construction activities require the removal of a sign, the existing sign may be relocated to temporary posts, or a temporary plywood sign may be installed to replace the existing sign.

Existing non-regulatory Type A signs are NOT required to remain in place until installation of replacement signs. Existing regulatory Type A signs, particularly Stop signs, should not be removed until replacement signs are installed. This guideline may not apply if the traffic control plans have sufficient temporary signing.

Apply the following during the replacement or modification of signs:
- No more than one of the major guide signs for each direction of travel at an interchange out of service at any one time.
- No major guide sign out of service for more than 8 hours.
- No minor guide out of service for more than 24 hours.

Remove existing signs and posts within 24 hours following the installation of a new replacement sign.

In any case where the plans call for a new sign and posts to be installed at the same station location and offset as an existing sign, install the new posts at a minimum of either 5 ft ahead or behind the existing sign installation. Whenever posts for a replacement sign are erected directly in front of an existing sign, install the new replacement sign and remove the

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existing sign installation within 24 hours of the time that the new posts are erected.

Where signs are located behind guardrail, locate the near edge of the sign a minimum of 3 ft behind the guardrail posts. The Engineer may approve reducing this distance to a minimum of 1 ft where field conditions warrant.

Unless noted otherwise, leave auxiliary panels, such as exit number panels, in place or reattach to the sign using the existing mounting hardware. Also, when replacing an existing logo sign with a new logo sign, remove the business logo panel(s) from the existing sign and attach to the new sign as directed by the Engineer. Do not damage the auxiliary or logo panels when removing and reattaching them. This work is incidental to other work and no separate payment will be made.

The following notes apply to the corresponding sign installations shown on the plan sheets and listed in the tabulations.

IB INSTALL NEW TYPE B SIGN
IA INSTALL NEW TYPE A SIGN

Install new signs at the location identified in the plans.

For installation of new signs on existing posts:

- if the new sign is taller than the existing sign, furnish the necessary hardware to extend the sign above the posts. Refer to Standard Road Plan SI-132.

- if the new sign is shorter that the existing sign:

  - for wood posts and perforated square tube posts, install the sign at the proper height and cut off the excess post length.

  - for steel posts, install the sign at the top of the posts.

For installation of new signs on an existing sign support structure, refer to note (L).

Payment for installing Type A signs or Type B signs includes furnishing hardware for mounting, extending signs above existing posts, and cutting off wood posts.

MS MODIFY EXISTING SIGN

Modify the copy on the existing sign as shown in the plans.

Deliver existing copy which is removed to a DOT storage area within 50 mi, as designated by the Engineer.

Install the new copy as needed to make sign modifications.

Payment for Modification of Existing Sign includes removal of existing copy and installation of new copy.

MB INSTALL SPECIAL MOUNTING BRACKET

Install special mounting brackets at the locations identified in

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the plans. Refer to Tabulations 190-10, 190-51, and/or 190-65.

PW INSTALL NEW WOOD POSTS
PB INSTALL NEW BREAKAWAY STEEL POSTS AND FOOTING
PP INSTALL NEW PERFORATED SQUARE TUBE POSTS AND ANCHORS

Install new wood posts, breakaway steel posts and footings, or perforated square tube posts and anchors at the locations indicated in the plans. Refer to Tabulations 190-51 and 190-50 for post size and footing information.

If note (RR) accompanies (PW), (PB), or (PP), install an existing sign on the new posts.

RR REMOVE AND REINSTALL SIGN:

Do not remove existing major Type B guide signs on posts until the new posts are installed. Promptly remove sign and install at the new location.

Existing major Type B guide signs on overhead support structures, minor Type B guide signs, plywood signs, and Type A signs may be removed and stored. Transport the signs to a DOT storage area within 50 mi, as designated by the Engineer. Transport the signs back to the job site when ready for installation at the new location.

Replace signs damaged by the Contractor's activities at no additional cost to the Contracting Authority.

Payment for Remove and Reinstall Sign includes sign removal, delivery to the DOT storage area (if applicable), and reinstallation.

RA REMOVE TYPE A SIGN ASSEMBLY
RB REMOVE TYPE B SIGN ASSEMBLY

Type A Sign Assembly consists of one or more signs installed on one or more wood posts, either directly mounted to the post or mounted to the post with special sign mounting brackets.

Type B Sign Assembly consists of the main sign, all auxiliary signs and brackets, and the wood or steel posts.

Unless stated otherwise in the plans, remove all posts with the signs and brackets.

Remove each sign assembly identified in the plans. Sign posts removed become the property of the Contractor. All other materials removed remain the property of the DOT.

Disassemble each sign assembly removed before delivering to the DOT. For Type A sign assemblies, unbolt all signs, special mounting brackets, and posts from each other. For Type B assemblies, unbolt all extruded aluminum panels, brackets, and posts from each other. Do not damage the disassembled materials.

Place backfill in holes remaining from the removal of wood posts and restore to the normal surrounding conditions.

Deliver the removed signs, special sign mounting brackets, and extruded aluminum panels to a DOT storage area within 50 mi, as

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designated by the Engineer.

The concrete footings for steel posts are not considered part of the sign assembly. Refer to note RF for concrete footing removal.

Payment for Removal of Type A Sign Assembly or Removal of Type B Sign Assembly includes sign assembly removal and disassembly, post removal (if applicable), delivery to the DOT storage area, placing backfill in holes, and restoration of the surrounding conditions.

RF REMOVE EXISTING CONCRETE FOOTING FOR STEEL POST

Remove existing concrete footings to a depth of 1 ft below ground. Place backfill in holes remaining from removal and restore to the normal surrounding conditions. This work is incidental to other work and no separate payment will be made.

RS REMOVE EXISTING TYPE B SIGN SUPPORT STRUCTURE

The following are considered Type B Sign Support Structures:
- Overhead sign truss and foundation,
- Cantilevered sign truss and foundation, or
- Bridge mounted brackets.

For removal purposes, wood and steel post are not considered Type B Support Structures.

Unless stated otherwise in the plans, existing overhead trusses, cantilevered trusses, and bridge brackets which are removed become the property of the Contractor. If stated in the plans, deliver overhead trusses, cantilevered trusses, and bridge brackets to a DOT storage area within 50 mi, as designated by the Engineer.

Payment for Removal of Sign Support Structure and Foundation includes sign support structure removal, delivery to the DOT storage area (if applicable), and restoration of the surrounding conditions.

L MODIFTY SIGN SUPPORT ANGLES NEEDED TO INSTALL SIGNS ON EXISTING SIGN SUPPORTS STRUCTURES

Refer to the sign support structure details for information on the required angle brackets.

Provided all specifications are met, the existing sign support angles may be reused. Install existing sign support angles to be reused only on the sign support structure from which they were removed.

Sign support angles removed and not reused become the property of the Contractor.

When reusing the existing sign support angles with a shorter replacement sign, the sign support angles may need to be trimmed. Refer to the sign support details to determine if and where to trim the sign support angles.

Do not use existing fasteners. Use new stainless steel bolts and nuts to install the existing or new sign support angles to the sign support structure.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		

STP-U-2690(643)--70-94
Project No: 124.0890.01

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N. 15TH STREET IMPROVEMENTS
QUANTITIES AND GENERAL INFORMATION
CITY OF FORT DODGE, IOWA
STP-U-2690(643)--70-94

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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SIGNING NOTES

Removal of existing sign support angles is incidental to removal of the sign.

Reinstalling and/or modifying existing sign support angles; furnishing and installing new sign support angles (if required); and furnishing and installing new fasteners is incidental to work associated with Type B signs.

SIGN INSTALLATION QUALITY CONTROL NOTES

Post lengths have been derived from the proposed grading cross sections. Field verify post lengths.

Slight differences between the design template and the actual conditions should be expected. These variations should be resolved by doing some localized shaping and grading. Obtain material needed to meet the site requirements of SI-113 from the footing excavation and/or the area immediately adjacent to the footing. Ensure reshaping work does not substantially change foreslopes or the drainage in the vicinity of the sign.

Significant differences between the design template and the actual field conditions need to be resolved in this manner:

Survey the location and draw the actual template on the cross section. Recalculate each post length and compare to the maximum allowable leg length. If all of the maximum leg lengths are less than or equal to the maximum allowable leg length, then the proposed post design will be sufficient. If any leg is greater than the maximum allowable leg length, then submit the cross section with the actual template drawn (including offsets and elevation from the survey shown) to the Engineer. The Engineer may forward this information on to the design Engineer in order to complete a new post design.

Install the footings, stub posts, and posts according to the following tolerances:

-elevation difference from the edge of pavement to the bottom of the sign within 6 inches of the dimension shown.

-elevation difference of less than 2 inches between the top of the highest post and the lowest post at a site.

Footing construction is the controlling activity that substantially affects the quality of the site installation. Verify the elevation difference between the stubs is exactly the same as the elevation difference between the post lengths. If the Engineer requests, submit documentation detailing the site field shots in order to verify site installation.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-04			
Project No: 124.0890.01			Sheet C.15

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

QUANTITIES AND GENERAL INFORMATION

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Project No: 124.0890.01

Sheet C.15

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LEGEND

Features	Existing
Spot Elevation	93.0
Contour Elevation	93
Fence (Barbed, Field, Hog)	
Fence (Chain Link)	
Fence (Wood)	
Fence (Silt)	
Tree Line	
Tree Stump	
Deciduous Tree \ Shrub	
Coniferous Tree \ Shrub	
Communication	C(*)
Overhead Communication	OC(*)
Fiber Optic	FO(*)
Underground Electric	E(*)
Overhead Electric	OE(*)
Gas Main with Size	4" G(*)
High Pressure Gas Main with Size	4" HPG(*)
Water Main with Size	8" W(*)
Sanitary Sewer with Size	8" S(*)
Duct Bank	DUCT(*)
Test Hole Location for SUE w/ID	TH 1
(*) Denotes the survey quality service level for utilities	
Sanitary Manhole	
Storm Sewer with Size	12" ST
Storm Manhole	
Single Storm Sewer Intake	
Double Storm Sewer Intake	
Fire Hydrant	
Fire Hydrant on Building	
Water Main Valve	
Water Service Valve	
Well	
Utility Pole	
Guy Anchor	
Utility Pole with Light	
Utility Pole with Transformer	
Street Light	
Yard Light	
Electric Box	EB
Electric Transformer	
Traffic Sign	
Communication Pedestal	
Communication Manhole	
Communication Handhole	
Fiber Optic Manhole	
Fiber Optic Handhole	
Gas Valve	
Gas Manhole	
Gas Apparatus	
Fence Post or Guard Post	
Underground Storage Tank	
Above Ground Storage Tank	
Sign	
Satellite Dish	
Mailbox	
Soil Boring	

Proposed Features

Spot Elevation	+93.0
Major Contour	999
Minor Contour	
Construction Limits	
Roadway Alignment	
Roadway Stationing	100+00
Safety Fence	
Silt Fence	
Filter Sock	
Traffic Sign	
Street Light	
Traffic Signal	
Traffic Cabinet	
Traffic Ped Push Pole	
Fiber Optic	
Overstory Tree	
Understory Tree	
Shrubs	
Edge of Pavement	
Pavement Shading	
Pavement Jointing	
Pavement Sawcut	
Driveway Shading	
Edge of Sidewalk	
Sidewalk Shading	
Sidewalk Ramp Shading	
Sidewalk Landing Shading	
Sidewalk Detectable Warnings	
Water Main	W
Water Main Service	
Water Main Valve	
Water Main Reducer	
Water Main Hydrant	
Sanitary Sewer	S
Sanitary Sewer Service	
Sanitary Sewer Cleanout	SC
Sanitary Manhole Type SW-301	
Storm Sewer Pipe	
Storm Sewer Subdrain	
Storm Sewer Service	
Storm Sewer Trenchdrain	
Storm Sewer Subdrain Cleanout	
Storm Sewer Manhole Type SW-401	
Storm Sewer Intake Type SW-505	
Storm Sewer Intake Type SW-506	
Storm Sewer Rip Rap	
Right of Way Aquisition Line	
Right of Way Aquisition Shading	
Temporary Easement Line	
Temporary Easement Shading	
Permanent Easement Line	
Permanent Easement Shading	
Staging - Current Pavement Shading	
Staging - Previous Pavement Shading	
Staging - Existing Pavement Shading	
Staging - Pavement Removals	
Staging - Sidewalk Removals	
Staging - Traffic Sign	
Staging - 42" Channeling Device	
Staging - Drum	X
Staging - Type III Barricade	
Staging - Safety Closure	
Staging - Traffic Flow Arrows	

UTILITY CONTACT INFORMATION

UTILITY CONTACT FOR MAPPING INFORMATION SHOWN AS RECEIVED FROM THE IOWA ONE CALL DESIGN REQUEST SYSTEM, TICKET NUMBER 552500928.

FO4 AUREON
Jeff Klocko
515-830-0445
Jeff.klocko@aureon.com

FO6 FORT DODGE FIBER
Joe Sheeder
515-515-5002
jsheeder@fortdodgefiber.com

FO8 SEGRA
Marcus Moulds
515-414-4852
marcus.moulds@segra.com

G1 MIDAMERICAN GAS
Matt Hartman
515-269-2712
matthew.hartman@midamerican.com

E1 MIDAMERICAN ELECTRIC
OE1 Zachary Johnson
712-229-2979
Zachary.Johnson@midamerican.com

W CITY OF FORT DODGE
SS Austin Morrow
ST 515-576-4551 x1239
amorrow@fortdodgeiowa.org

CO1 CENTURYLINK/LUMEN
Sadie Hull
918-547-0147
sadie.hull@lumen.com

CO2 MEDIACOM
Mike Hollinger
641-210-2883
mhollinger@mdelacomcc.com

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

UTILITY INFORMATION QUALITY SERVICE LEVELS

QUALITY LEVEL "D" INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS. IT MAY PROVIDE AN OVERALL "FEEL" FOR THE CONGESTION OF UTILITIES, BUT IT IS OFTEN HIGHLY LIMITED IN TERMS OF COMPREHENSIVENESS AND ACCURACY. ITS USEFULNESS SHOULD BE CONFINED TO PROJECT PLANNING AND ROUTE SELECTION ACTIVITIES.

QUALITY LEVEL "C" INVOLVES SURVEYING VISIBLE, ABOVE-GROUND UTILITY FACILITIES, SUCH AS MANHOLES, VALVE BOXES, POSTS, ETC., AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS. WHEN USING THIS INFORMATION, IT IS NOT UNUSUAL TO FIND THAT MANY UNDERGROUND UTILITIES HAVE BEEN
EITHER OMITTED OR ERRONEOUSLY PLOTTED. ITS USEFULNESS, THEREFORE, SHOULD BE CONFINED TO RURAL PROJECTS WHERE UTILITIES ARE NOT PREVALENT, OR ARE NOT TOO EXPENSIVE TO REPAIR OR RELOCATE.

QUALITY LEVEL "B" INVOLVES USE OF SURFACE GEOPHYSICAL TECHNIQUES TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF UNDERGROUND UTILITIES. THIS ACTIVITY IS CALLED "DESIGNATING". TWO-DIMENSIONAL MAPPING INFORMATION IS OBTAINED. THIS INFORMATION IS USUALLY SUFFICIENT TO ACCOMPLISH PRELIMINARY ENGINEERING GOALS. DECISIONS CAN BE MADE ON WHERE TO PLACE STORM SEWER DRAINAGE SYSTEMS, FOOTINGS, FOUNDATIONS, AND OTHER DESIGN FEATURES IN ORDER TO AVOID CONFLICTS WITH EXISTING UTILITIES. SLIGHT ADJUSTMENTS IN THE DESIGN CAN PRODUCE SUBSTANTIAL COST SAVINGS BY
ELIMINATING UTILITY RELOCATIONS.

QUALITY LEVEL "A" INVOLVES THE USE OF NONDESTRUCTIVE DIGGING EQUIPMENT AT CRITICAL POINTS TO DETERMINE THE PRECISE HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS. THIS ACTIVITY IS CALLED "LOCATING". IT IS THE HIGHEST LEVEL PRESENTLY AVAILABLE. WHEN SURVEYED AND MAPPED, PRECISE PLAN AND PROFILE INFORMATION IS AVAILABLE FOR USE IN MAKING FINAL DESIGN DECISIONS. BY KNOWING EXACTLY WHERE A UTILITY IS POSITIONED IN THREE DIMENSIONS, THE DESIGNER CAN OFTEN MAKE SMALL ADJUSTMENTS IN ELEVATIONS OR HORIZONTAL LOCATIONS AND AVOID THE NEED TO RELOCATE UTILITIES. ADDITIONAL
INFORMATION SUCH AS UTILITY MATERIAL, CONDITION, SIZE, SOIL CONTAMINATION, AND PAVING THICKNESS ALSO ASSISTS THE DESIGNER AND UTILITY OWNER IN THEIR DECISIONS.

NOTES

1) BUILDING LINES AND CORNERS ARE FOR USE IN PREPARING CIVIL SITE PLAN DOCUMENTS. BUILDING CORNERS AND BUILDING LINES SHOULD BE SPECIFICALLY VERIFIED, AS NECESSARY, PRIOR TO DESIGN FOR CONSTRUCTION OF ANY PROPOSED EXPANSION OR CONNECTION OF BUILDING COMPONENTS.
2) FOR CLARITY PURPOSES, SURVEY SPOT ELEVATIONS ARE NOT SHOWN ON THIS SURVEY, BUT ARE CONTAINED WITHIN THE DIGITAL CADD FILES.
3) FOR THE PURPOSE OF THIS SURVEY, STORM SEWER, SANITARY SEWER AND WATER MAIN LINES ARE ASSUMED TO FOLLOW A STRAIGHT LINE FROM STRUCTURE TO STRUCTURE.
4) UTILITY SERVICE LINES TO BUILDINGS ARE APPROXIMATE ONLY. AN INTERNAL BUILDING INVESTIGATION, EXCAVATION AND/OR SUBSURFACE LOCATING/DESIGNATING WOULD NEED TO BE PERFORMED TO DETERMINE THE LOCATION OF SERVICES ENTERING THE BUILDING.
5) UNDERGROUND PIPE MATERIALS AND SIZES ARE BASED UPON VISIBLE EVIDENCE VIEWED FROM ACCESS MANHOLES/STRUCTURES. DUE TO THE CONFIGURATION AND/OR CONSTRUCTION OF THE STRUCTURE, IT MAY BE DIFFICULT TO ACCURATELY DETERMINE THE PIPE MATERIAL AND/OR SIZE. THE SURVEYOR WILL USE THEIR JUDGMENT AND EXPERIENCE TO ATTEMPT TO DETERMINE, BUT COMPLETE ACCURACY CANNOT BE GUARANTEED.
6) BOUNDARY LINES SHOWN ON THE EXISTING SITE SURVEY ARE TO FACILITATE DESIGN OR CONCEPT NEEDS AND ENABLE CREATION OF SAID CONSTRUCTION DOCUMENTS. THESE LINES DO NOT CONSTITUTE A CERTIFIED BOUNDARY SURVEY AND MISSING MONUMENTS WILL NOT BE SET.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet D.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

LEGEND SHEET

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet D.1

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D2 [Sheet]

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FEET

1 LYDIA HARVEY
1435 1ST AVE N

2 STEVEN B HEBERTS
1436 1ST AVE N

3 JEFF HAUPTS INS & FINANCIAL SERVICES INC
116 N 15TH ST

4 LJ CONVENIENCE LLC
1435 2ND AVE N

92 FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

93 ERIC L ESPINOZA
27 N 15TH ST

94 MEI LIU FONG
1509 1ST AVE N

103+00 104+00 105+00 106+00 107+00 108+00

1ST AVENUE N. 2ND AVENUE N.

N. 15TH STREET

STA 103+71.45
BEGIN DIAMOND GRINDING

STA 105+48.39
END DIAMOND GRINDING
BEGIN PCC PAVING

PC 105+94.54
PT 106+61.89
PI 106+28.26
Δ 07°33'58" (LT)
T 33.72'
L 67.35'
R 510.00'

GRADING LIMITS

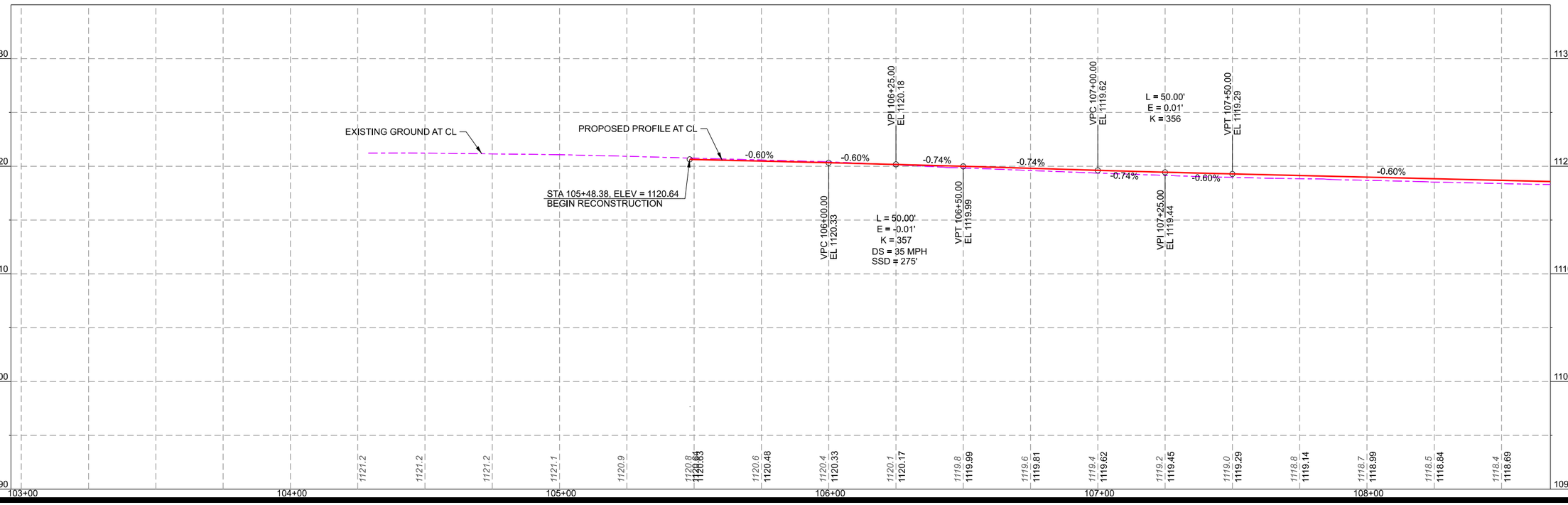
5' SIDEWALK

STA 107+76.79, 9.70' RT
INSTALL SANITARY MANHOLE
SW-301 (48")

RIM=1120.58'
FL=1115.64 12" NW

RIM=1118.23'
FL=1114.33 12" NE
FL=1114.22 12" SW

RIM=1118.34'
FL=1113.14 12" RCP NW
FL=1113.14 12" RCP SE
FL=1113.44 8" PVC NE



MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet D.2
	Project No: 124.0890.01		

N. 15TH STREET IMPROVEMENTS

N. 15TH STREET PLAN AND PROFILE

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
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515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

STP-U-2690(643)--70-94

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Project No: 124.0890.01

Sheet D.2

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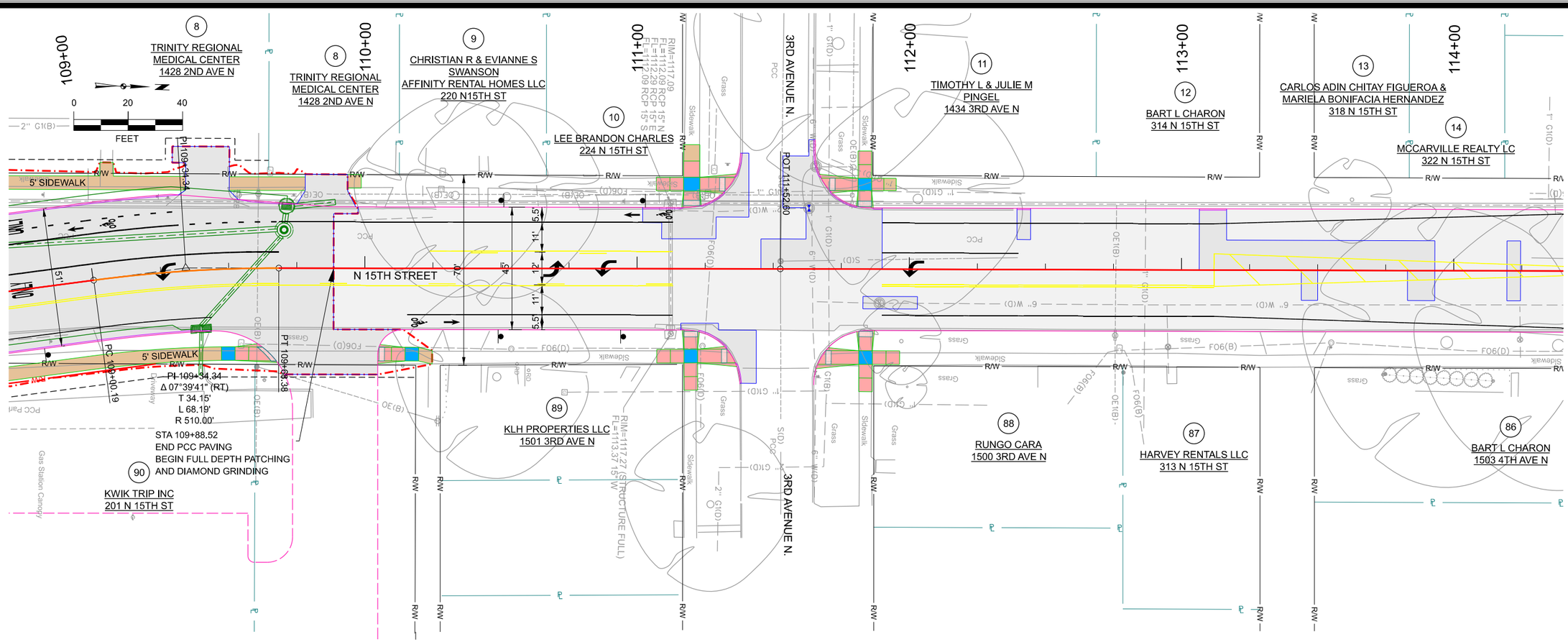

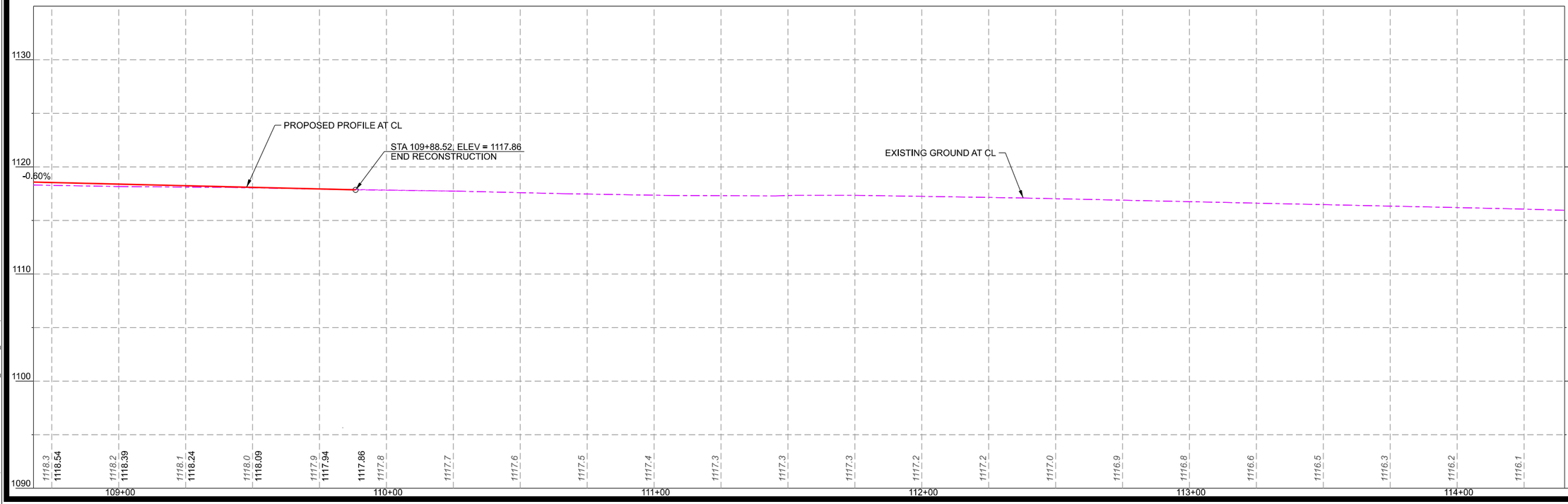

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet D.3
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

N. 15TH STREET PLAN AND PROFILE

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

Sheet D.3

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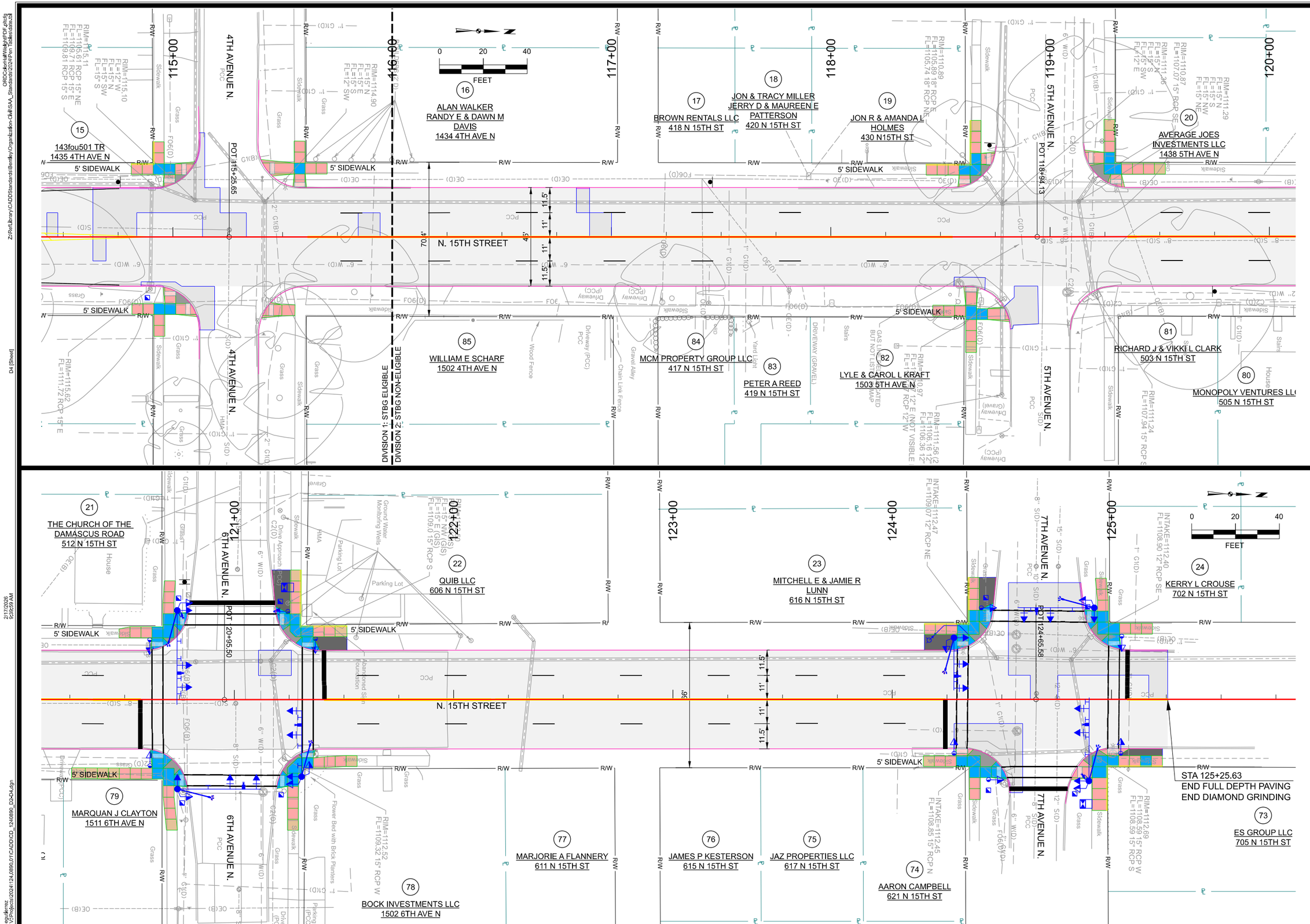

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

N. 15TH STREET PLAN

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01			

Sheet D.4

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet D.4

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NOTE: KWIK TRIP IS RECONSTRUCTING THEIR SITE IN 2026. ONGOING COORDINATION WILL BE REQUIRED WITH THEM DURING CONSTRUCTION.

202+00 203+00 204+00 205+00 206+00 207+00

0 20 40 FEET

8 TRINITY REGIONAL MEDICAL CENTER

STA 202+24.04 BEGIN PCC PAVING

UNITY POINT HEALTH SIGN

8 TRINITY REGIONAL MEDICAL CENTER 1428 2ND AVE N

RIM=1118.24 FL=1112.94 RCP 15" N FL=1113.24 RCP 12" SE FL=1113.14 RCP 12" SSE

N.15TH STREET

2ND AVENUE N.

90 KWIK TRIP INC 201 N 15TH ST

RIM=1118.34 FL=1113.14 12" RCP NW FL=1113.74 12" RCP SE FL=1114.44 8" PVC NE

STA 207+02.26, 15.50' LT END WIDENING

91 KWIK TRIP INC 1522 2ND AVE N

STA 205+50.00, 19.00' LT BEGIN WIDENING

STA 205+50.00 END PCC PAVING

92 FAMILY VIDEO MOVIE CLUB INC 1513 2ND AVE N

RIM=1120.58' FL=1115.64' 12" NW

RIM=1118.23 FL=1114.33 12" NE FL=1114.22 12" SW

5 MICHAEL REYNOLDS 1417 2ND AVE N

6 LUKE J & MEGAN E GROVE 1421 2ND AVE N

7 TIMBERLANE PROPERTIES LLC 1423 2ND AVE N

4 LJ CONVENIENCE LLC 1435 2ND AVE N

RIM=1118.51 FL=1114.11 12" SE

GAS PUMP

MAINTENANCE BUILDING

Gas Station Canopy

PCC Parking Lot

Sidewalk

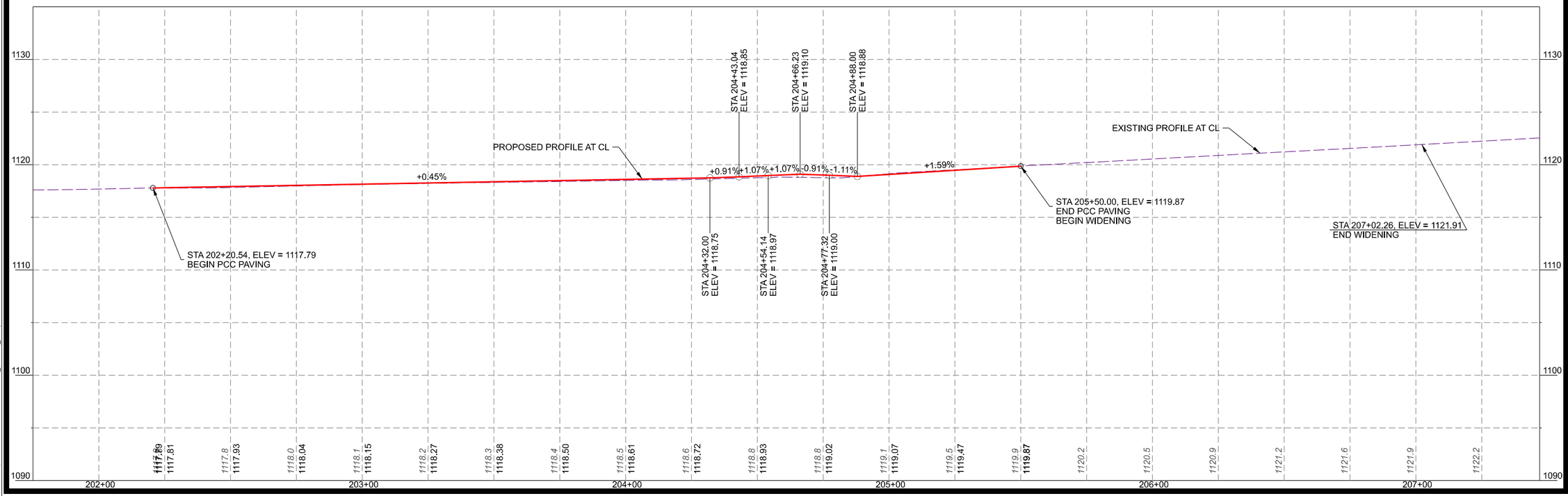
Driveway

Grass

PPLT 204+54.91

PPLT 204+64.99

31.0' 39.0' 48.0' 48.4' 9.5'



MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet E.1
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

2ND AVENUE N. PLAN AND PROFILE

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet E.1

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LYDIA HARVEY
1435 1ST AVE N

ERIC L ESPINOZA
27 N 15TH ST

STEVEN B HEBERTS
1436 1ST AVE N

JEFF HAUPTS INS & FINANCIAL SERVICES INC
116 N 15TH ST

LJ CONVENIENCE LLC
1435 2ND AVE N

FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N

CHRISTIAN R & EVIANNE S SWANSON
AFFINITY RENTAL HOMES LLC
220 N15TH ST

LEE BRANDON CHARLES
224 N 15TH ST

KLH PROPERTIES LLC
1501 3RD AVE N

KWIK TRIP INC

TIMOTHY L & JULIE M PINGEL
1434 3RD AVE N

RUNGO CARA
1500 3RD AVE N

BART L CHARON
314 N 15TH ST

HARVEY RENTALS LLC
313 N 15TH ST

CARLOS ADIN CHITAY FIGUEROA & MARIELA BONIFACIA HERNANDEZ
318 N 15TH ST

MCCARVILLE REALTY LC
322 N 15TH ST

BART L CHARON
1503 4TH AVE N

N 15TH STREET

1ST AVENUE N

2ND AVENUE N

3RD AVENUE N

REMOVE TREE

REMOVE BOLLARD

REMOVE GAS PUMP AND FOOTINGS
CAP EXISTING PUMPS.

REMOVE GAS
STATION SIGN
AND FOOTING

PROTECT EXISTING TANKS.
TO BE REMOVED BY OTHERS.

REMOVE GAS STATION CANOPY
AND FOOTINGS. CAP EXISTING PUMPS

PROTECT EXISTING LANDSCAPE

REMOVE WATER
MANHOLE

NOTES:
1. INTAKE ADJUSTMENT, MINOR
2. INTAKE ADJUSTMENT, MAJOR
3. MANHOLE ADJUSTMENT, MINOR
4. MANHOLE ADJUSTMENT, MAJOR
5. HYDRANT ADJUSTMENT
6. VALVE ADJUSTMENT
7. SIGN REMOVAL
8. SIGN REMOVE AND REINSTALL
9. PROTECT
10. RELOCATE (BY OTHERS)
11. REMOVE TRAFFIC SIGNALS
12. ADJUST (BY OTHERS)

LEGEND
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL
- PAVEMENT REMOVAL
- PAVEMENT MILLING
- WATER MAIN REMOVAL
- STORM SEWER REMOVAL
- WATER STRUCTURE REMOVAL
- STORM STRUCTURE REMOVAL
- SANITARY MANHOLE REMOVAL
- TREE REMOVAL

0 20 40
FEET

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01		Sheet	F.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

REMOVALS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet F.1

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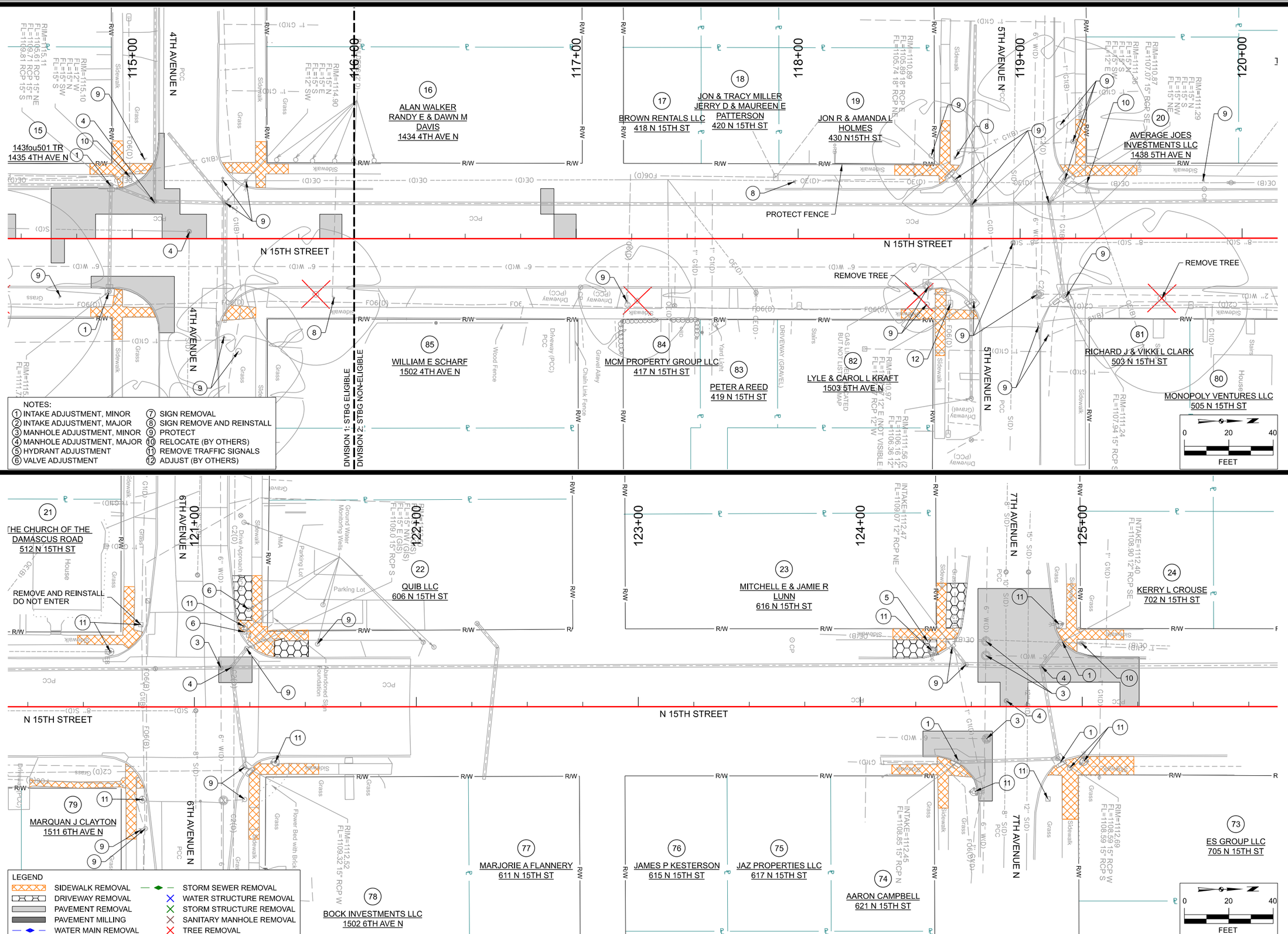


MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01			Sheet F.2

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

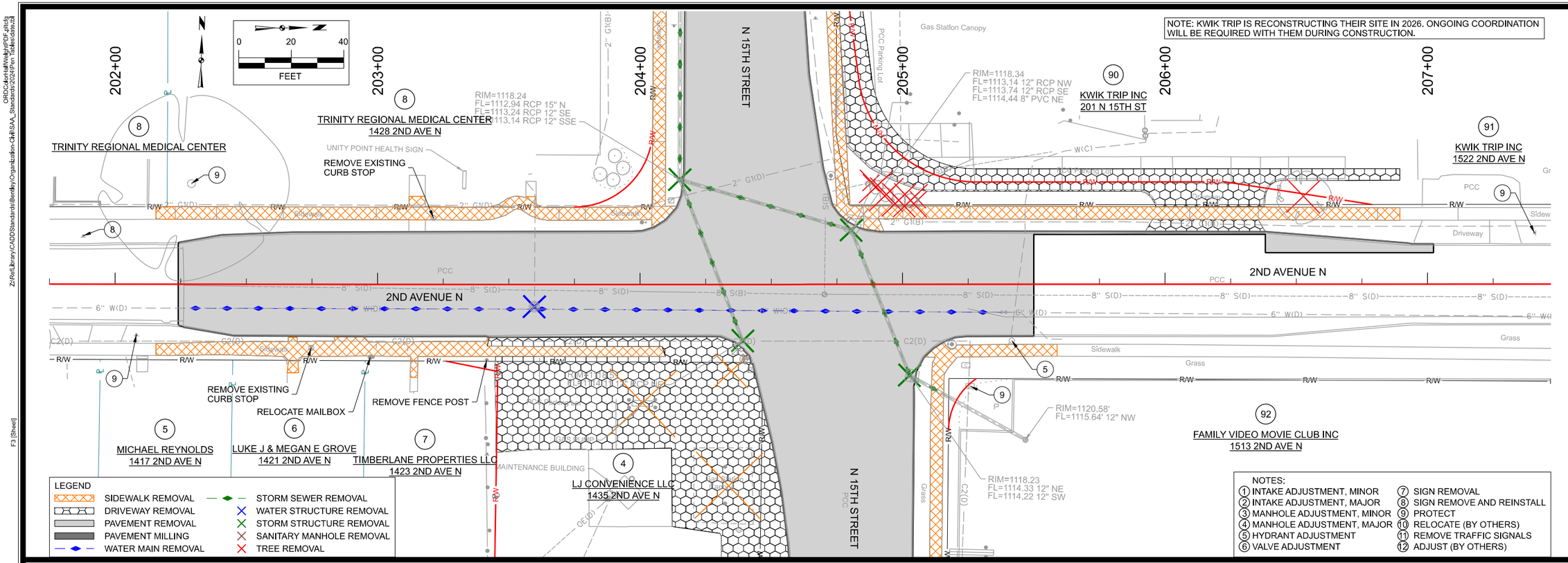
REMOVALS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet F.2



MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet F.3

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

2727 SW SNYDER BLVD
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N. 15TH STREET IMPROVEMENTS

REMOVALS

SNYDER & ASSOCIATES, INC.

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet F.3

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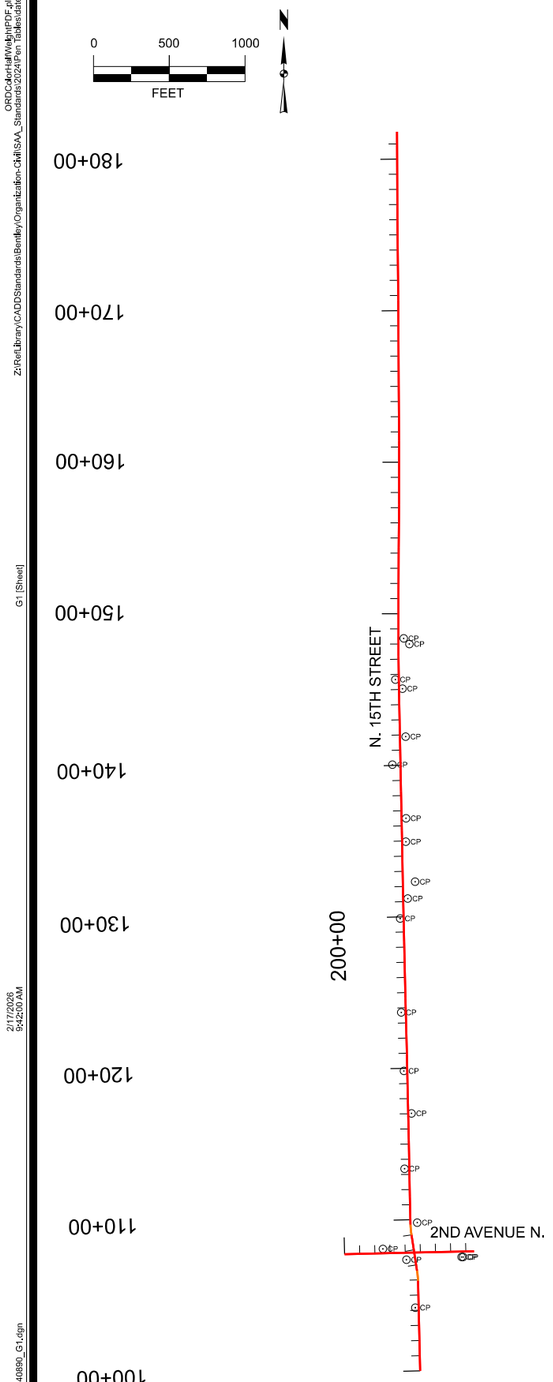

CONTROL POINTS

IOWA REGIONAL COORDINATE SYSTEM - ZONE 4
NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

CP1 N=8593763.13 E=14676679.04 ELEV=1111.09
CUT X TOP OF CURB W SIDE 15TH ALLEY INTAKE NORTH SIDE OF 8TH

CP2 N=8593461.81 E=14676739.92 ELEV=1112.37
CUT X IN SIDEWALK AT YELLOW SIGN BASE EAST SIDE 15TH, SOUTH OF 8TH

CP3 N=8593143.18 E=14676686.48 ELEV=1113.77
CUT X E EDGE SDWK STATE FARM

CP4 N=8592878.38 E=14676765.37 ELEV=1112.99
CUT X IN @ CL 6TH AVE N, E SIDE 15TH

CP5 N=8592757.18 E=14676703.51 ELEV=1112.08
CUT X TOP OF CURB EAST OF PEDESTRIAN SIGN WEST SIDE OF 15TH SOUTH OF 6TH ST.

CP6 N=8592477.21 E=14676753.72 ELEV=1112.87
CUT X TOP OF CURB AT FENCE EAST SIDE OF ROAD, SOUTH SIDE OF ALLEY

CP7 N=8592111.92 E=14676708.14 ELEV=1116.26
CUT X AT CL OF ALLEY WEST SIDE OF 15TH

CP8 N=8591756.68 E=14676791.74 ELEV=1119.40
CUT X TOP OF CURB NW CORNER OF KWIK STAR PARKING LOT

CP9 N=8591583.20 E=14676564.99 ELEV=1118.48
CUT X NORTH EDGE OF SIDEWALK ON NORTH SIDE OF 15TH AT WEST END OF 2ND

CP10 N=8591511.73 E=14676720.13 ELEV=1119.56
CUT X ON PAVEMENT AT EAST END OF NORTHERN GAS PUMP SW CORNER 2ND AND 15TH

CP11 N=8591195.15 E=14676778.99 ELEV=1120.82
CUT X NORTH SIDE OF MH WEST EDGE 15TH 1N

CP12 N=8591529.55 E=14677084.06 ELEV=1124.7
CUT X NORTHEAST CORNER OF PARKING LOT FOR FAMILY VIDEO STORE

CP13 N=8593894.40 E=14676729.11 ELEV=1111.51
CUT X EAST SIDEWALK 30' SOUTH OF SPEED LIMIT SIGN

CP14 N=8594005.58 E=14676777.90 ELEV=1111.79
CUT X IN SIDEWALK AT REGENCY REALTORS BLACK DOORS

CP15 N=8594269.81 E=14676716.72 ELEV=1107.51
CUT X WEST EDGE OF SIDEWALK 50' S OF SIDEWALK LANDING SE COR 10TH AND 15TH

CP16 N=8594424.46 E=14676717.38 ELEV=1107.05
CUT X IN EAST SIDEWALK N OF 10TH NEAR CURB STOP

CP17 N=8594777.84 E=14676628.14 ELEV=1104.98
CUT X IN PAVEMENT 3' SOUTH OF POWERPOLE AT 12TH

CP18 N=8594963.51 E=14676715.43 ELEV=1101.98
CUT X CL OF 12TH 15' EAST OF 15TH ST

CP19 N=8595279.38 E=14676694.21 ELEV=1098.03
CUT X CL 13TH AT E GUTTER 15TH ST

CP20 N=8595340.09 E=14676647.27 ELEV=1096.52
CUT X CL 14TH AT W GUTTER 15TH ST

CP21 N=8595574.51 E=14676739.50 ELEV=1087.80
CUT X NORTHEAST CORNER INTAKE S SIDE FLORAL E OF INTERSECTION

CP22 N=8595611.47 E=14676702.15 ELEV=1087.64
CUT X NE QUADRANT FLORAL INTERSECTION

CP23 N=8591529.474 E=14677094.60 ELEV=1124.51
CUT X TOP CURB 15FT NW OF LP

DATE OF SURVEY

FEBRUARY 13, 2025

Alignment Name: 15TH
Alignment Description:
Alignment Style: Alignment\Geom_Baseline

		Station	Northing	Easting
Element: Linear				
START	(START)	100+00.000	8590778.581	14676810.45
PC	(PC)	105+94.538	8591372.954	14676796.43
	Tangential Direction:	N01°21'03.525"W		
	Tangential Length:	594.538		
Element: Circular				
PC	(PC)	105+94.538	8591372.954	14676796.43
HPI	(HPI)	106+28.262	8591406.667	14676795.63
CC	(CC)		8591360.93	14676286.57
PT	(PT)	106+61.887	8591439.583	14676790.41
	Radius:	510		
	Delta:	07°33'58.357"	Left	
	Degree of Curvature (Arc):	11°14'04.080"		
	Length:	67.348		
	Tangent:	33.723		
	Chord:	67.299		
	Middle Ordinate:	1.111		
	External:	1.114		
	Back Tangent Direction:	N01°21'03.527"W		
	Back Radial Direction:	N88°38'56.473"E		
	Chord Direction:	N05°08'02.706"W		
	Ahead Radial Direction:	N81°04'58.115"E		
	Ahead Tangent Direction:	N08°55'01.885"W		
Element: Linear				
PT	(PT)	106+61.887	8591439.583	14676790.41
PC	(PC)	109+00.189	8591675.405	14676753.47
	Tangential Direction:	N08°55'01.885"W		
	Tangential Length:	238.302		
Element: Circular				
PC	(PC)	109+00.189	8591675.405	14676753.47
HPI	(HPI)	109+34.337	8591709.14	14676748.18
CC	(CC)		8591754.458	14677257.3
PT	(PT)	109+68.383	8591743.28	14676747.43
	Radius:	510		
	Delta:	07°39'40.533"	Right	
	Degree of Curvature (Arc):	11°14'04.080"		
	Length:	68.194		
	Tangent:	34.148		
	Chord:	68.143		
	Middle Ordinate:	1.139		
	External:	1.142		
	Back Tangent Direction:	N08°55'01.885"W		
	Back Radial Direction:	N81°04'58.115"E		
	Chord Direction:	N05°05'11.618"W		
	Ahead Radial Direction:	N88°44'38.648"E		
	Ahead Tangent Direction:	N01°15'21.352"W		
Element: Linear				
PT	(PT)	109+68.383	8591743.28	14676747.43
HPI	(HPI)	111+52.599	8591927.451	14676743.39
	Tangential Direction:	N01°15'21.352"W		
	Tangential Length:	184.216		
Element: Linear				
HPI	(HPI)	111+52.599	8591927.451	14676743.39
HPI	(HPI)	115+25.650	8592300.421	14676735.61
	Tangential Direction:	N01°11'39.544"W		
	Tangential Length:	373.051		
Element: Linear				
HPI	(HPI)	115+25.650	8592300.421	14676735.61
HPI	(HPI)	118+94.132	8592668.818	14676727.68
	Tangential Direction:	N01°14'01.297"W		
	Tangential Length:	368.482		
Element: Linear				
HPI	(HPI)	118+94.132	8592668.818	14676727.68
HPI	(HPI)	120+95.500	8592870.135	14676723.12
	Tangential Direction:	N01°17'54.788"W		
	Tangential Length:	201.368		
Element: Linear				
HPI	(HPI)	120+95.500	8592870.135	14676723.12
HPI	(HPI)	124+65.578	8593240.106	14676714.23
	Tangential Direction:	N01°22'34.744"W		
	Tangential Length:	370.078		
Element: Linear				
HPI	(HPI)	124+65.578	8593240.106	14676714.23
HPI	(HPI)	128+33.051	8593607.476	14676705.56
	Tangential Direction:	N01°21'04.465"W		
	Tangential Length:	367.473		
Element: Linear				
HPI	(HPI)	128+33.051	8593607.476	14676705.56
HPI	(HPI)	131+97.705	8593972.017	14676696.48
	Tangential Direction:	N01°25'37.281"W		
	Tangential Length:	364.654		
Element: Linear				
HPI	(HPI)	131+97.705	8593972.017	14676696.48
HPI	(HPI)	135+69.575	8594343.819	14676689.37
	Tangential Direction:	N01°05'44.877"W		
	Tangential Length:	371.87		
Element: Linear				
HPI	(HPI)	135+69.575	8594343.819	14676689.37
HPI	(HPI)	138+29.185	8594603.375	14676684.02
	Tangential Direction:	N01°10'50.379"W		
	Tangential Length:	259.61		
Element: Linear				
HPI	(HPI)	138+29.185	8594603.375	14676684.02
HPI	(HPI)	141+89.176	8594963.299	14676677.16
	Tangential Direction:	N01°05'33.832"W		
	Tangential Length:	359.99		
Element: Linear				
HPI	(HPI)	141+89.176	8594963.299	14676677.16
HPI	(HPI)	145+17.198	8595291.268	14676671.17
	Tangential Direction:	N01°02'42.818"W		
	Tangential Length:	328.023		
Element: Linear				
HPI	(HPI)	145+17.198	8595291.268	14676671.17
HPI	(HPI)	147+20.115	8595494.149	14676667.38
	Tangential Direction:	N01°04'17.871"W		
	Tangential Length:	202.917		
Element: Linear				
HPI	(HPI)	147+20.115	8595494.149	14676667.38
HPI	(HPI)	151+39.328	8595913.36	14676668.22
	Tangential Direction:	N00°06'57.411"E		
	Tangential Length:	419.213		
Element: Linear				
HPI	(HPI)	151+39.328	8595913.36	14676668.22
HPI	(HPI)	154+38.828	8596212.857	14676669.74
	Tangential Direction:	N00°17'20.936"E		
	Tangential Length:	299.501		
Element: Linear				
HPI	(HPI)	154+38.828	8596212.857	14676669.74
HPI	(HPI)	157+20.822	8596494.845	14676671.65
	Tangential Direction:	N00°23'22.191"E		
	Tangential Length:	281.994		
Element: Linear				
HPI	(HPI)	157+20.822	8596494.845	14676671.65
HPI	(HPI)	161+41.951	8596915.972	14676672.49
	Tangential Direction:	N00°06'47.468"E		
	Tangential Length:	421.128		
Element: Linear				
HPI	(HPI)	161+41.951	8596915.972	14676672.49
HPI	(HPI)	165+18.166	8597292.174	14676669.23
	Tangential Direction:	N00°29'47.116"W		
	Tangential Length:	376.216		
Element: Linear				
HPI	(HPI)	165+18.166	8597292.174	14676669.23
HPI	(HPI)	170+70.281	8597844.279	14676666.04
	Tangential Direction:	N00°19'48.569"W		
	Tangential Length:	552.115		
Element: Linear				
HPI	(HPI)	170+70.281	8597844.279	14676666.04
HPI	(HPI)	175+95.142	8598369.121	14676661.48
	Tangential Direction:	N00°29'55.439"W		
	Tangential Length:	524.861		
Element: Linear				
HPI	(HPI)	175+95.142	8598369.121	14676661.48
END	(END)	181+81.318	8598955.286	14676657.91
	Tangential Direction:	N00°20'55.094"W		
	Tangential Length:	586.176		

Alignment Name: 2ND
Alignment Description:
Alignment Style: Alignment\Geom_Baseline

		Station	Northing	Easting
Element: Linear				
START	(START)	200+00.000	8591548.182	14676311.97
HPI	(HPI)	204+54.913	8591558.398	14676766.77
	Tangential Direction:	N88°42'47.510"E		
	Tangential Length:	454.913		
Element: Linear				
HPI	(HPI)	204+54.913	8591558.398	14676766.77
HPI	(HPI)	204+64.988	8591558.729	14676776.84
	Tangential Direction:	N88°06'57.080"E		
	Tangential Length:	10.076		
Element: Linear				
HPI	(HPI)	204+64.988	8591558.729	14676776.84
END	(END)	208+54.011	8591567.743	14677165.76
	Tangential Direction:	N88°40'20.209"E		
	Tangential Length:	389.023		

NOTE: CONSTRUCTION SURVEY IS NOT INCLUDED WITH THIS PROJECT AND WILL BE COMPLETED BY THE CITY AND ENGINEERING CONSULTANT.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet G.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SURVEY INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet G.1

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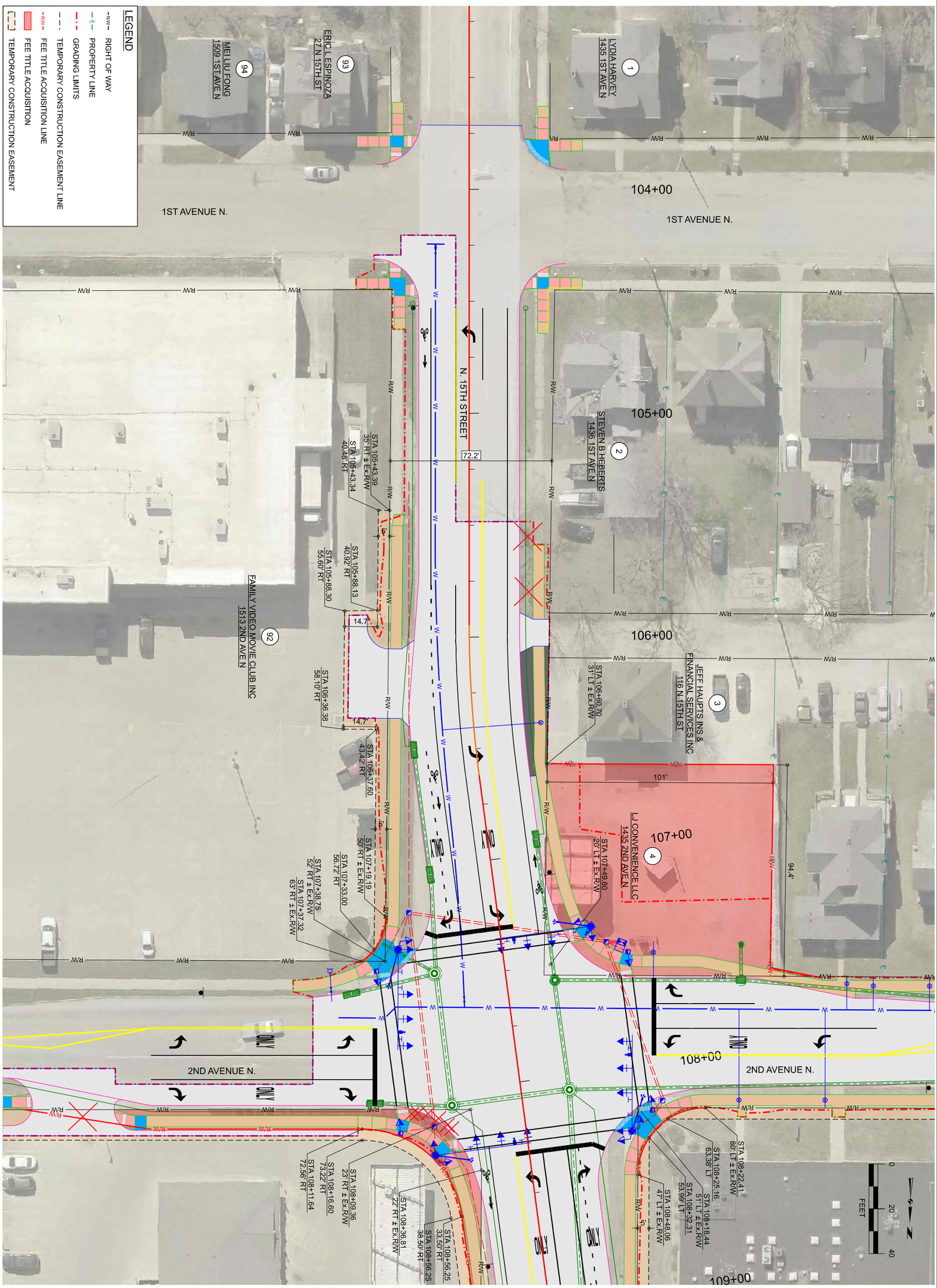

Sheet H.1

Project No: 124.0890.01

SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

RIGHT OF WAY

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS

Technician: EIG | Date: 2/17/2026 | T-R-S:

STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet H.1

STA 109+53.57
47.78' LT
STA 109+53.34
39.79' LT
STA 109+30.32
49.18' LT
STA 109+29.75
41.20' LT
STA 109+65 ± PL
39.53' LT
STA 109+64.85
35' LT ± Ex.R/W
STA 109+22.42
33.05' RT
STA 109+22.30
38.06' RT
STA 110+18.74
35' RT ± Ex.R/W
STA 110+18.75
40.04' RT

8 TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N

8 TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N

9 CHRISTIAN R & EVIANNE S SWANSON
AFFINITY RENTAL HOMES LLC
220 N15TH ST

10 LEE BRANDON CHARLES
224 N 15TH ST

11 TIMOTHY L & JULIE M PINGEL
1434 3RD AVE N

12 BART L CHARON
314 N 15TH ST

13 CARLOS ADIN CHITAY FIGUEROA &
MARIELA BONIFACIA HERNANDEZ
318 N 15TH ST

14 MCCARVILLE REALTY LC
322 N 15TH ST

15 143fou50
1435 4TH A

90 KWIK TRIP INC
201 N 15TH ST

89 KLH PROPERTIES LLC
1501 3RD AVE N

88 RUNGO CARA
1500 3RD AVE N

87 HARVEY RENTALS LLC
313 N 15TH ST

86 BART L CHARON
1503 4TH AVE N

3RD AVENUE N.

N. 15TH STREET

69.9'

70.2'

69.8'

110+00 111+00 112+00 113+00 114+00

R/W

13'

0 20 40
FEET

LEGEND

- R/W – RIGHT OF WAY
- ℄ – PROPERTY LINE
- GRADING LIMITS
- TEMPORARY CONSTRUCTION EASEMENT LINE
- R/W – FEE TITLE ACQUISITION LINE
- FEE TITLE ACQUISITION
- TEMPORARY CONSTRUCTION EASEMENT

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		Sheet H.2

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

RIGHT OF WAY

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Project No: 124.0890.01

Sheet H.2

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Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01			Sheet H.3

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

RIGHT OF WAY

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Project No: 124.0890.01

Sheet H.3

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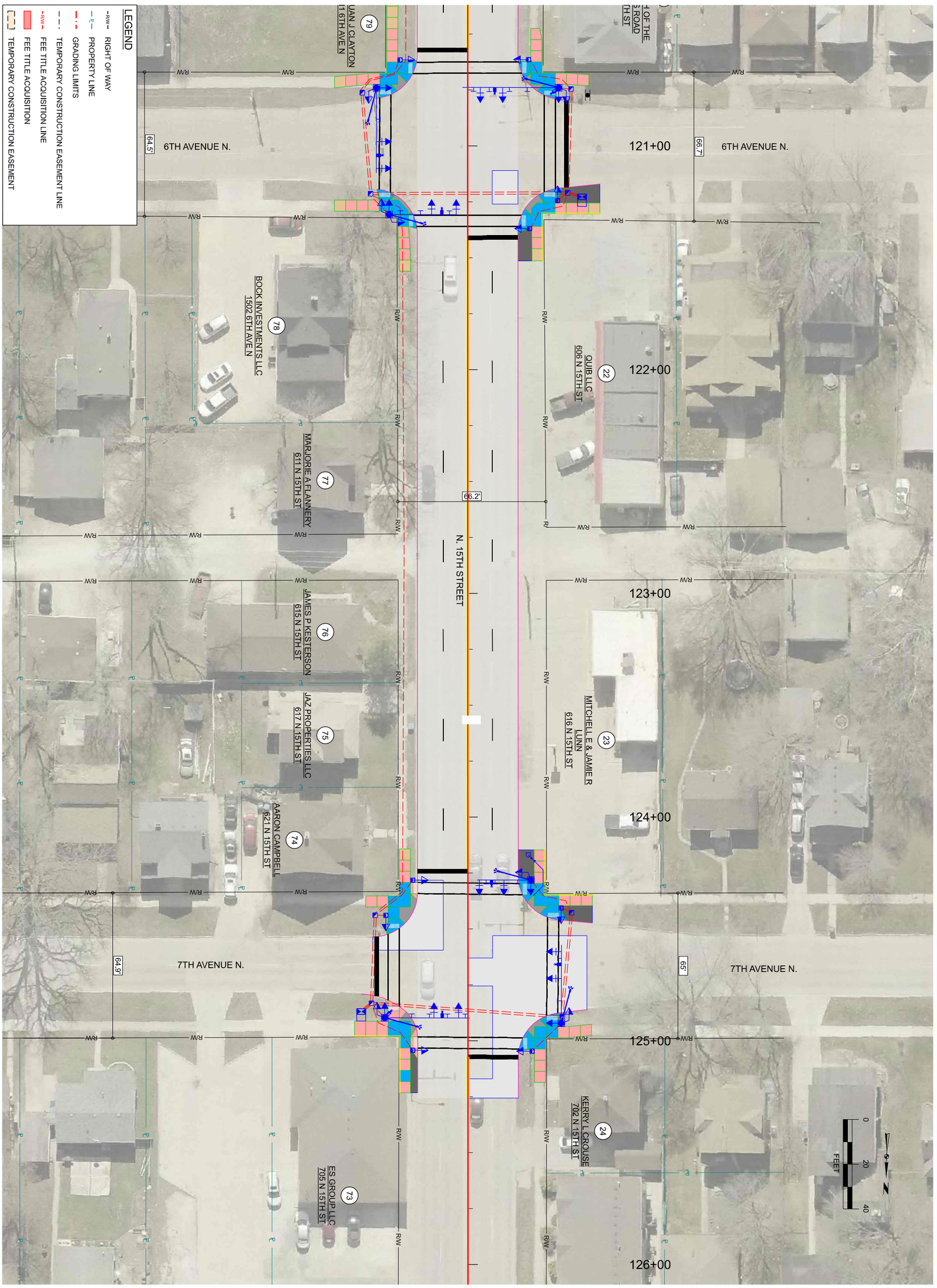

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

RIGHT OF WAY

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MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS
Technician: EIG | Date: 2/17/2026 | T-R-S:
STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet H.4

Sheet H.4
Project No: 124.0890.01

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N. 15TH STREET

2ND AVENUE N.

ONLY

202+00 | 203+00 | 204+00 | 205+00 | 206+00 | 207+00

8 TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N

TRINITY REGIONAL MEDICAL CENTER

STA 202+20 ± PL
34.50' LT

STA 202+19.83
29' LT ± Ex.R/W

STA 203+74.81
30' LT ± Ex.R/W

STA 204+04.81
59' LT ± Ex.R/W

STA 203+99.75
42.83' LT

STA 204+04.71
29' LT ± Ex.R/W

STA 203+91.39
34.50' LT

STA 204+75.08
140' LT ± Ex.R/W

STA 204+79.75
142.88' LT

STA 204+83.34
78.06' LT

STA 204+74.66
57' LT ± Ex.R/W

STA 204+88.30
78.72' LT

STA 204+79.54
30' LT ± Ex.R/W

90 KWIK TRIP INC
201 N 15TH ST

STA 205+27.95
44.00' LT

STA 205+27.95
39.00' LT

STA 206+22.80
39.00' LT

STA 206+78.95
30' LT ± Ex.R/W

STA 207+04.00
44.00' LT

STA 207+04.00
30' LT ± Ex.R/W

91 KWIK TRIP INC
1522 2ND AVE N

5' | 8.5' | 13.5'

STA 203+26.03
29' RT ± Ex.R/W

STA 203+45.83
29' RT ± Ex.R/W

STA 203+46 ± PL
33.20' RT

STA 204+46.84
30' RT ± Ex.R/W

STA 205+28.13
36' RT ± Ex.R/W

STA 205+17.68
36' RT ± Ex.R/W

STA 205+22.64
41.05' RT

STA 205+17.50
56' RT ± Ex.R/W

5 MICHAEL REYNOLDS
1417 2ND AVE N

6 LUKE J & MEGAN E GROVE
1421 2ND AVE N

7 TIMBERLANE PROPERTIES LLC
1423 2ND AVE N

4 LJ CONVENIENCE LLC
1435 2ND AVE N

92 FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

94.4'

STA 203+44 ± PL
123.77' RT

STA 204+40 ± PL
124.09' RT

STA 204+43 ± PL
124.10' RT

STA 204+45.48
124' RT ± Ex.R/W

STA 204+45.14
147' RT ± Ex.R/W

101'

5'

N 0 20 40 FEET

LEGEND

- RIGHT OF WAY
- PROPERTY LINE
- GRADING LIMITS
- TEMPORARY CONSTRUCTION EASEMENT LINE
- FEE TITLE ACQUISITION LINE
- FEE TITLE ACQUISITION
- TEMPORARY CONSTRUCTION EASEMENT

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet HE.1
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

RIGHT OF WAY

SNYDER & ASSOCIATES, INC.
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet HE.1

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108_26A
8/15/22

STAGING NOTES

GENERAL STAGING NOTES:
The PROJECT shall be constructed over two construction seasons with Stage 1 being completed in 2026 and the remaining stages completed in the spring of 2027. Construction shall consist of reconstructing the 2nd Ave N and N 15th Street intersection, and diamond grinding and PCC patch work from 2nd Ave N through 7th Ave N.

N 15th Street is a high volume roadway that consists of many commercial businesses within the corridor. Construction activity will disrupt traffic. Therefore, the Contractor shall adopt a construction sequence that directs activities in an orderly manner and minimize disruptions to traffic patterns as much as practical.

It is not the intent of the sequence of construction to confine the Contractors' activities to the areas of suggested stages alone. It is understood some of the various steps may occur simultaneously. Therefore, the Contractor may conduct several operations concurrently on the project, provided traffic is maintained and these operations do not conflict with the staging operations indicated herein.

It is recognized as the various activities related to construction progresses, certain situations may arise which will preclude adhering to the original construction sequence of which, in the opinion of the Contractor, should result in more efficient staging operations. Should the Contractor desire to deviate from the original plan, the Contractor shall submit a written alternate plan to the Engineer for approval.

Stage 1
- Utilize Standard Road Plan TC-252 to close down the 2nd Ave N intersection and detour traffic on 1st Ave N, N 12th Street, 6th Ave N and 7th Ave N.
- Perform all work necessary to remove the existing roadway pavement and underground utilities. Install storm sewer, subdrain, water main, subgrade, subbase, sidewalk, and roadway pavement.
- Maintain a minimum of one access to all properties at all times.

Stage 2A
- Utilize Standard Road Plan TC-423 on N 15th Street to close the existing NB lanes from 2nd Ave N through 7th Ave N. Through traffic shall be reduced to head-to-head traffic in the SB lanes.
- Coordinate signal timing modifications with the City prior to shifting traffic.
- Perform all work necessary to remove and replace PCC pavement and PCC sidewalks as shown in the plans.
- Maintain east and west access to all the side roads during construction except during intersection PCC patching.
- Flaggers may be utilized with approval by the Engineer.

Stage 2B
- Utilize Standard Road Plan TC-423 on N 15th Street to close the existing SB lanes from 2nd Ave N through 7th Ave N. Through traffic shall be reduced to head-to-head traffic in the NB lanes.
- Coordinate signal timing modifications with the City prior to shifting traffic.
- Perform all work necessary remove and replace PCC pavement and PCC sidewalks as shown in the plans.
- Maintain east and west access to all the side roads during construction except during intersection PCC patching.
- Flaggers may be utilized with approval by the Engineer.

Stage 3
- Utilize Standard Road Plan TC-419 on N 15th Street for individual lane closures from 1st Ave N to the north project limits. Through traffic shall be maintained.
- Perform all work necessary to diamond grind the PCC pavement.
- Maintain east and west access to all the side roads during construction.
- Contractor may elect to perform diamond grinding in Stage 2 following patch work. New traffic signals shall be operational prior to diamond grinding.

108_23A
8/15/22

TRAFFIC CONTROL PLAN

Traffic control on this project shall be in accordance with the Standard Road Plans shown in Tabulation 105-4 and the specific layouts shown in the plans. For additional complementary information, refer to Part 6 of the "Manual on Uniform Traffic Control Devices for Streets and Highways, as adopted by the Department per 761of the Iowa Administrative Code (IAC), Chapter 130, and the current Standard Specifications and Supplemental Specification.

The Contractor shall coordinate traffic control with other projects in the area.

The Contractor shall notify the Resident Construction Engineer (Snyder & Associates), and the City of Fort Dodge one (1) week prior to temporary road closures and changes in traffic patterns during construction.

All traffic control devices shall be furnished, erected, maintained, cleaned, and removed by the Contractor. All traffic control will remain the sole responsibility of the Contractor. The Contractor shall check traffic control devices daily and repair or replace damaged devices promptly.

The Contractor shall maintain clean pavement in and out of the work area at all times.

The location for storage of equipment by the Contractor during non-working hours shall be as approved by the Engineer.
The Contractor will be responsible for securing a safe storage area for equipment and materials to be used on the project.

Proposed sign spacing may be modified as approved by the Engineer to meet existing field conditions or to prevent obstruction of the motorist's view of permanent signing. All special order street signs shall be minimum 4 inch font size.

The Contractor shall provide, prior to the start of construction, the name and 24-hour phone number of the Contractor's representative in charge of traffic control. The project site must be patrolled a minimum of two (2) times each 24-hour period to check and reinstall, if necessary, traffic control devices. All extra standard traffic control, signs, barricades, cones, etc. that are required shall be delivered and installed at the project site within four (4) hours of notification, including weekends. A Daily Traffic Control Diary is required.

Proposed changes in the traffic control plan shall be reviewed with the Engineer at least two (2) business days before changes are made in the field.

PDMS signs are required to be in place five (5) calendar days prior to initiating any traffic control changes.

Refer to the remaining J-sheets for special layouts for construction and detour signing. The traffic control plan shows general staging, signing, and traffic control. Additional traffic control may be required for specific situations not shown in the staging plan. It is the Contractor's responsibility to determine and install all traffic control.

2nd Avenue N and N 15th Street Intersection
The intersection to be fully closed during stage 1 of the project. Access is to be maintained at all times to all properties located in the reconstruction area. The following access management shall be implemented:
- Parcel 2: Shall have access to their property off of N 15th Street through a "Local Access Only" closure at 1st Ave N.
- Parcel 3, 5, 6, 7: Shall have access to their property through the frontage road off of N 14th Street.
- Parcel 4: Total acquisition of this property, no access requirement, may be used as a staging area.
- Parcel 8: Shall have access to their property off of 2nd Ave N through a "Local Access Only" closure at N 14th Street.
- Parcel 9 and 89: Shall have access to their property off of N 15th Street through a "Local Access Only" closure at 3rd Ave N.
- Parcel 90: Property will be under construction and closed to the public. Construction access to parcel to be coordinated during construction.
- Parcel 92: Shall have access to their property off of 2nd Ave N through a "Local Access Only" closure.

During the closure, through traffic shall be detoured onto 1st Ave N to N 12th Street and finish at 6th and 7th Ave N. Street and finish at 6th and 7th Ave N. The intersection shall be fully open and operational the Wednesday prior to the state Softball Tournament (July 15th, 2026).

N 15th Street
During stage 2 and 3, through traffic shall be maintained at all times. A minimum of one (1) through lane in each direction shall be used. Right in right out access and left turn access shall be maintained at all times except during paving operations. Construction work is to halt during the State Softball tournament starting July 15th 2026, and can resume on July 25th, 2026. N 15th Shall not have any open trenches, and shall be clean prior to July 15th, 2026. No working days will be assessed during this time period.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		

STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet J.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC CONTROL AND STAGING NOTES

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
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Project No: 124.0890.01

Sheet J.1

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113_02
8/15/22

PEDESTRIAN PATH CLOSURES

Refer to TC-601.

*Assumes 6 foot wide barricade.
Closures may need to be removed and re-established.

Location	Side	Width of Closure (FT)	Type III Barricades* (No.)	Remarks
N 15TH STREET/1ST AVE N		6.0	6	
N 15TH STREET/2ND AVE N		6.0	4	
STA. 110+10.93	Left	6.0	1	
STA. 110+27.90	Right	6.0	1	
N 15TH STREET/3RD AVE N		6.0	6	Stage 2A
N 15TH STREET/4TH AVE N		6.0	6	Stage 2A
N 15TH STREET/5TH AVE N		6.0	6	Stage 2A
N 15TH STREET/6TH AVE N		6.0	6	Stage 2A
N 15TH STREET/7TH AVE N		6.0	6	Stage 2A
STA. 109+58.59	Left	6.0	1	Stage 2B
STA. 110+03.85	Left	6.0	1	Stage 2B
N 15TH STREET/3RD AVE N		6.0	6	Stage 2B
N 15TH STREET/4TH AVE N		6.0	6	Stage 2B
N 15TH STREET/5TH AVE N		6.0	6	Stage 2B
N 15TH STREET/6TH AVE N		6.0	6	Stage 2B
N 15TH STREET/7TH AVE N		6.0	6	Stage 2B
Total:			**74**	

108_13A
3/27/25

SAFETY CLOSURES

Refer to Section 2528 of the Standard Specifications

Station	Road Closure Qty.	Hazard Closure Qty.	Remarks
105+44.02	1		Stage 1; DIV.1
110+00.77	1		Stage 1; DIV.1
111+54.21	1		Stage 2A; DIV.1
115+26.55	1		Stage 2A; DIV.1
118+96.39	1		Stage 2A; DIV.2
124+65.72	1		Stage 2A; DIV.2
111+52.06	1		Stage 2B; DIV.1
115+25.47	1		Stage 2B; DIV.1
118+94.21	1		Stage 2B; DIV.2
120+99.20	1		Stage 2B; DIV.2
202+19.89	1		Stage 1; DIV.1
207+10.16	1		Stage 1; DIV.1
	8		TOTAL DIV.1
	4		TOTAL DIV. 2

111_01
10/14/22

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
160038021	Development - Kwik Star #116
State Softball Tournament	July 20th - July 24th
FM-TSF-C094(142)--5B-94	Intersection Reconstruction

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet J.2

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

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N. 15TH STREET IMPROVEMENTS

TRAFFIC CONTROL AND STAGING NOTES

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet J.2

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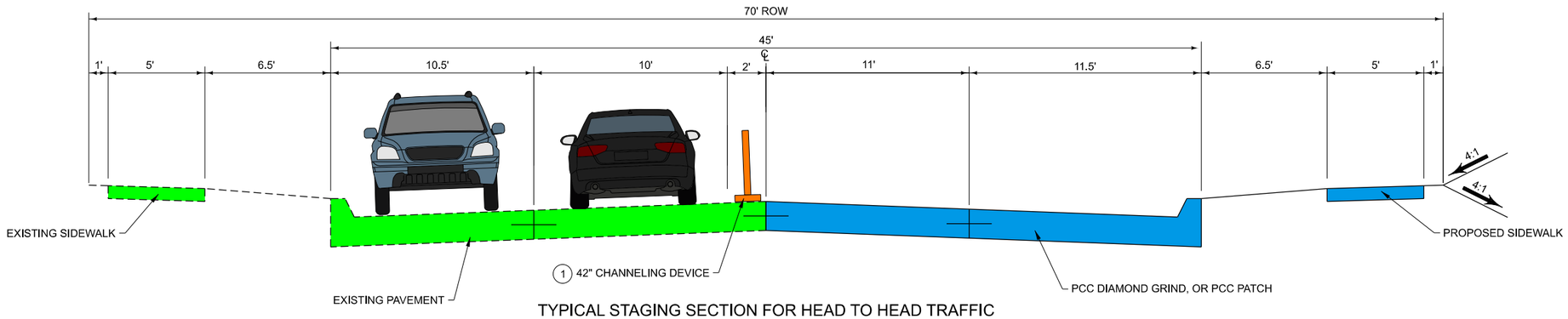
- EXISTING PAVEMENT
- PREVIOUSLY CONSTRUCTED

STAGE 2A



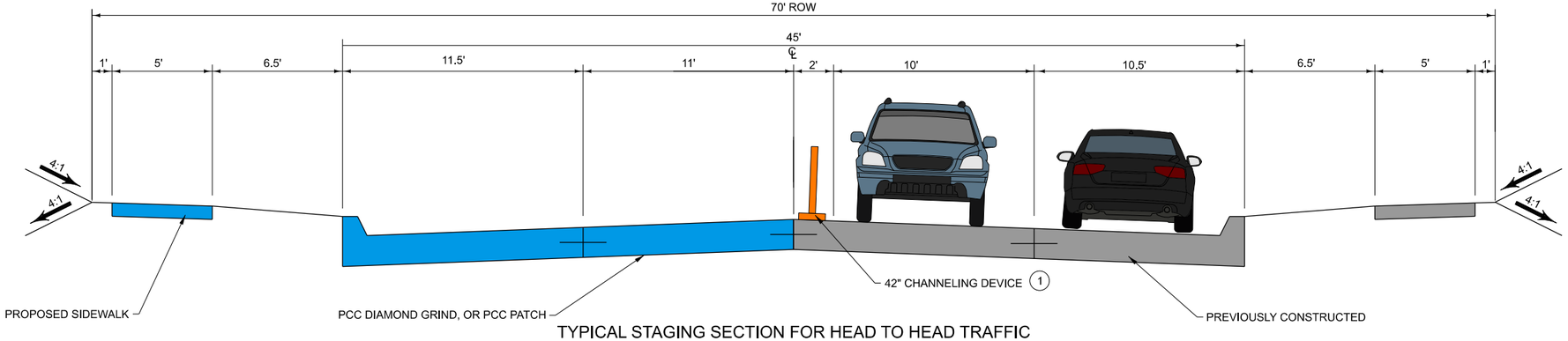
TYPICAL STAGING SECTION FOR HEAD TO HEAD TRAFFIC
N 15TH STREET

1 IN LOCATIONS OF NO FULL DEPTH PATCHING, CONTRACTOR SHALL MOVE CHANNELIZERS TO CROWN OF ROAD FOR ADDITIONAL VEHICLE SPACE

LEGEND:

- CONSTRUCTION DURING THIS STAGE
- EXISTING PAVEMENT
- PREVIOUSLY CONSTRUCTED

STAGE 2B



TYPICAL STAGING SECTION FOR HEAD TO HEAD TRAFFIC
N 15TH STREET

1 IN LOCATIONS OF NO FULL DEPTH PATCHING, CONTRACTOR SHALL MOVE CHANNELIZERS TO CROWN OF ROAD FOR ADDITIONAL VEHICLE SPACE

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Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet J.3
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

STAGING TYPICAL SECTIONS

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Project No: 124.0890.01

Sheet J.3

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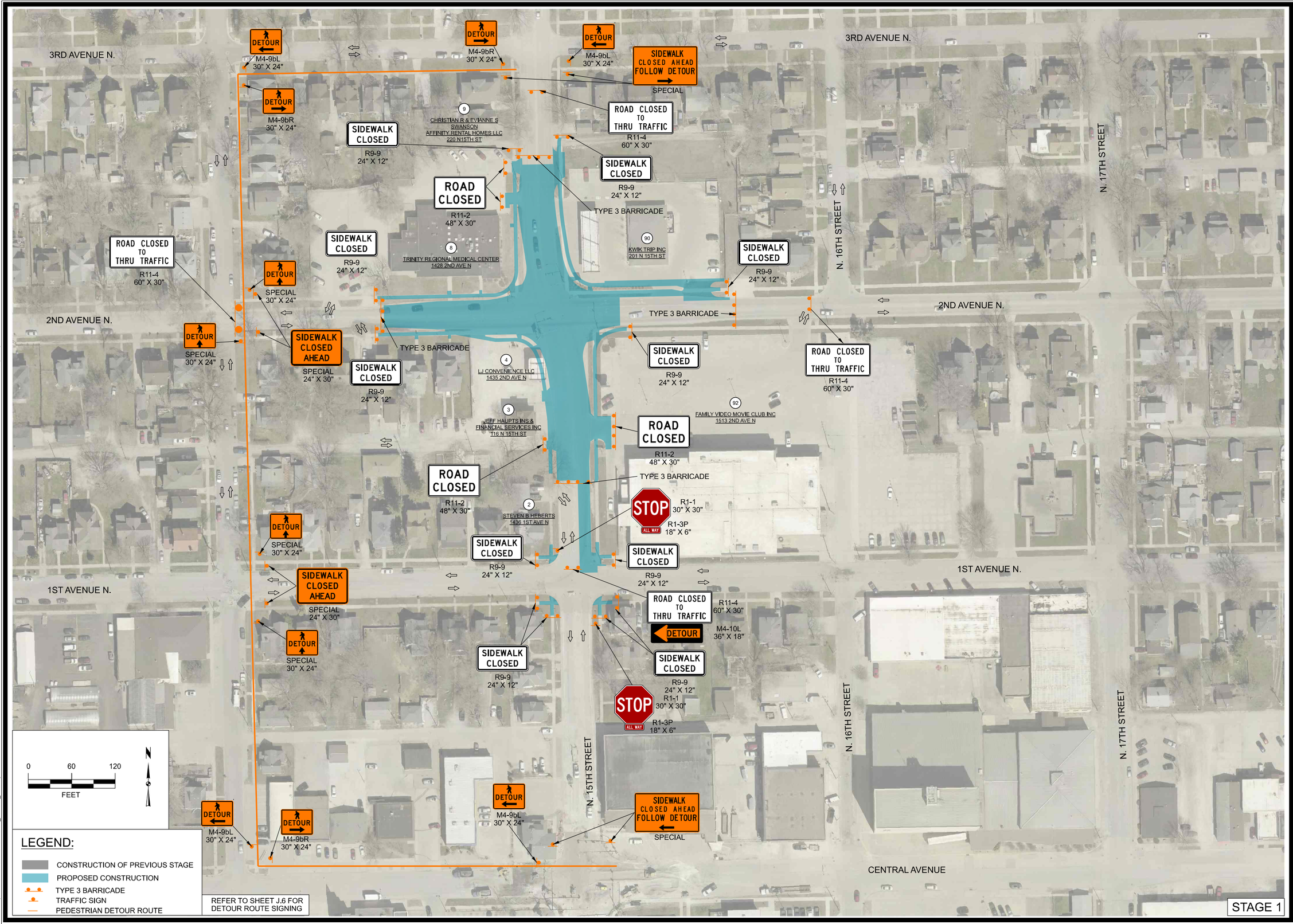

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Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		Sheet J.4

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

STAGING PLAN

SNYDER & ASSOCIATES, INC.

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Project No: 124.0890.01

Sheet J.4

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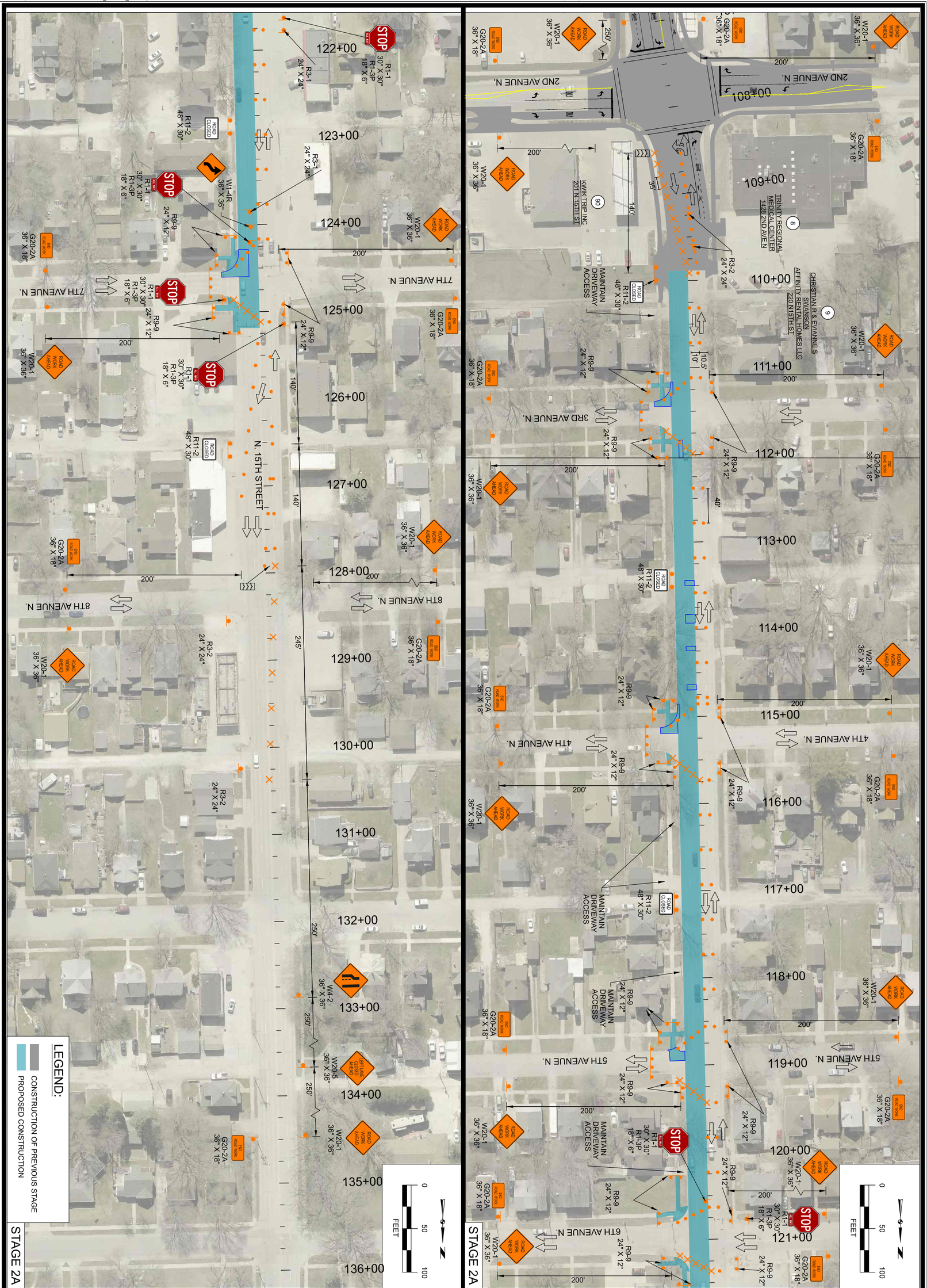

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

STAGING PLAN

CITY OF FORT DODGE, IOWA

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Engineer: SJR	Checked By: JMS	
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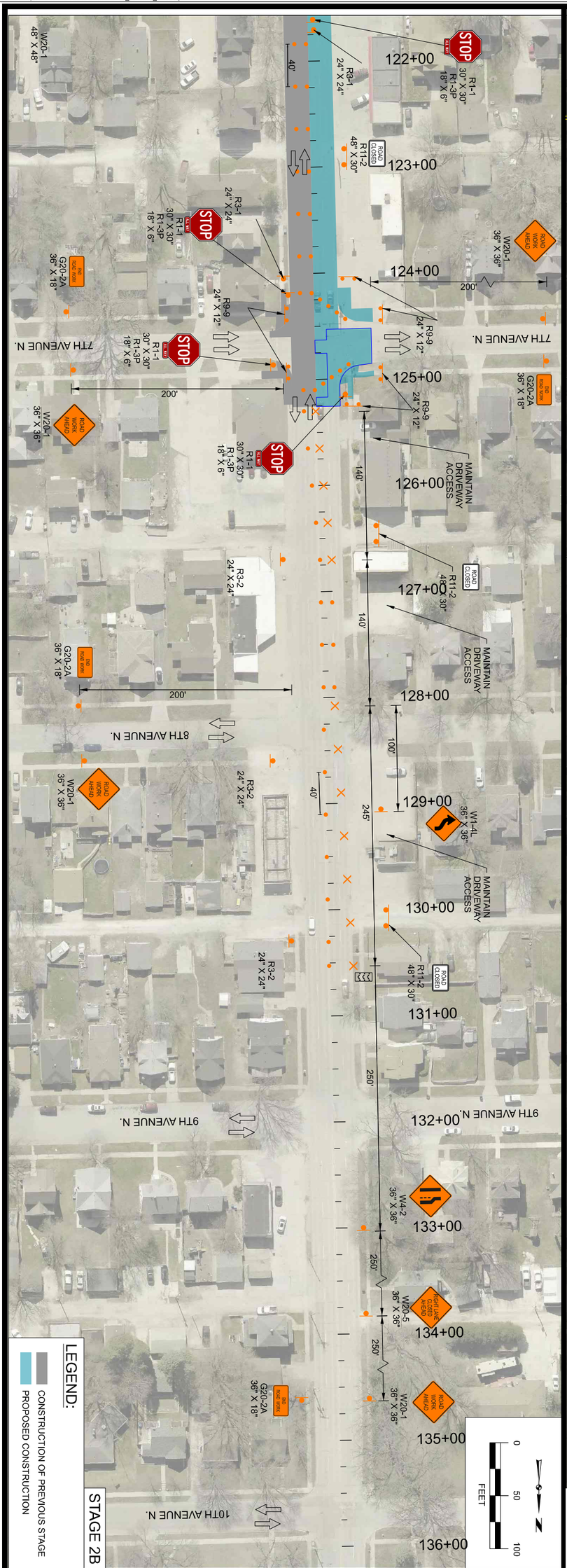
STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet J.5

Sheet J.5
Project No: 124.0890.01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135+00
136+00
7TH AVENUE N.
8TH AVENUE N.
9TH AVENUE N.
10TH AVENUE N.
MAINTAIN DRIVEWAY ACCESS
STOP
ROAD CLOSED
ROAD WORK AHEAD
SIDE WORK
LEGEND:
CONSTRUCTION OF PREVIOUS STAGE
PROPOSED CONSTRUCTION
STAGE 2B
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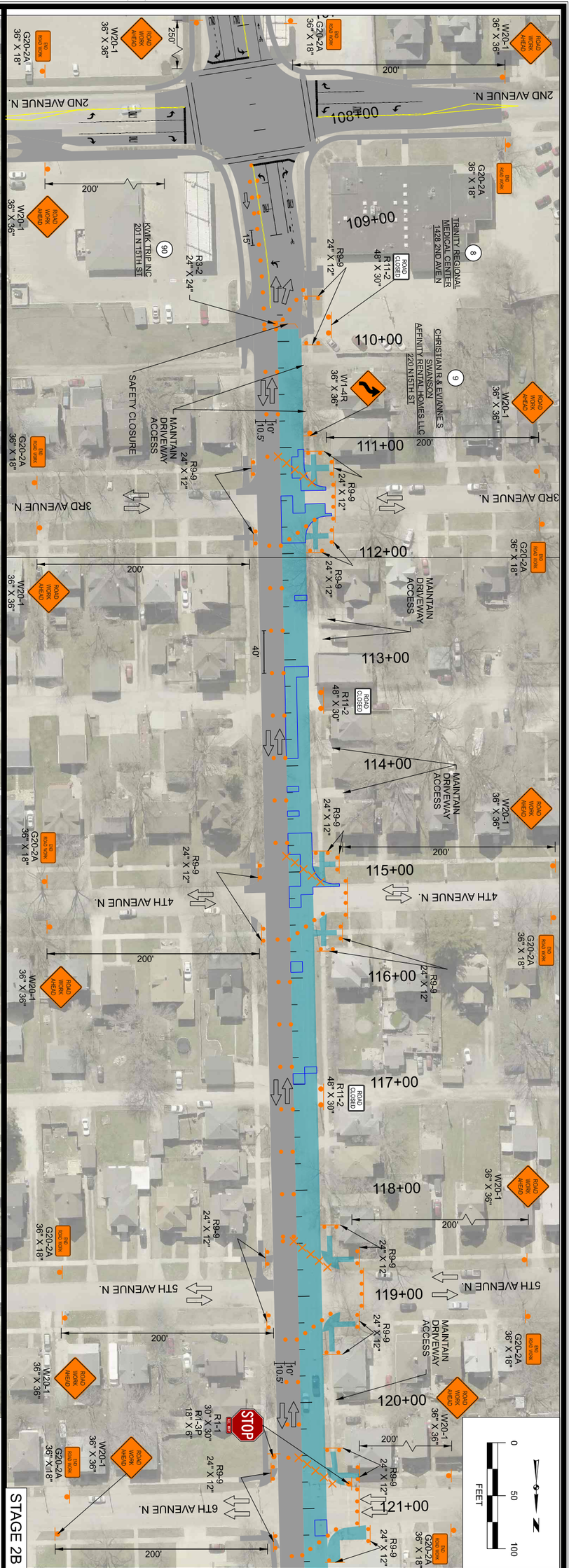
50
100
FEET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2ND AVENUE N.
3RD AVENUE N.
4TH AVENUE N.
5TH AVENUE N.
6TH AVENUE N.
TRINITY REGIONAL MEDICAL CENTER 1428 2ND AVE N
CHRISTIAN R & EVIANNE S SWANSON AFFINITY RENTAL HOMES LLC 220 N 15TH ST
KUWK TRIP INC 201 N 15TH ST
SAFETY CLOSURE
MAINTAIN DRIVEWAY ACCESS
STAGE 2B
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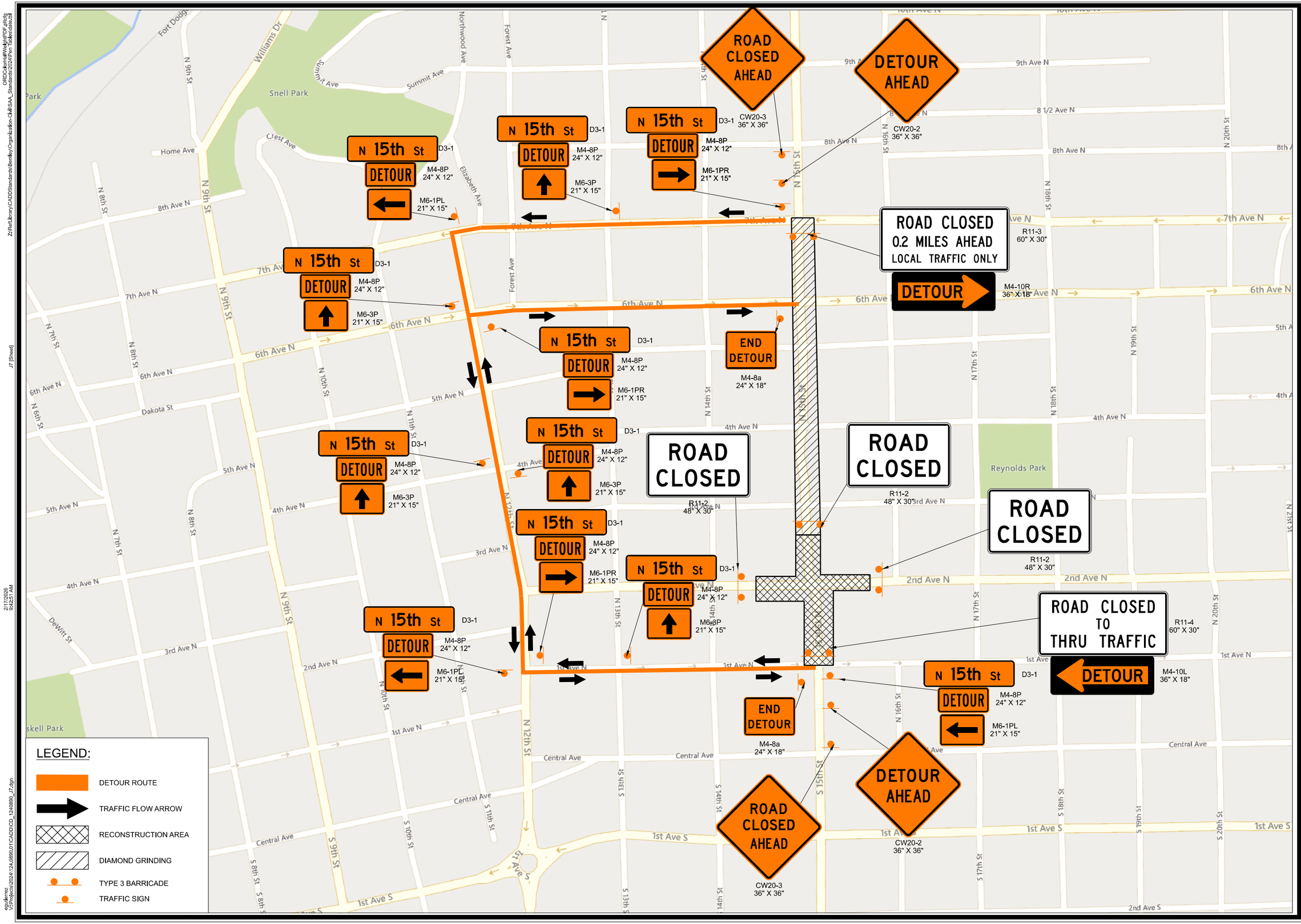
50
100
FEET



MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet J.7

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

DETOUR ROUTE

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet J.7

C:\RDC\Admin\Work\PDF plots\Z:\Revit Library\CADDStandards\Bentley\Organization-GAR\SAA_Standard(2024).pltcfg
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sguderian
c:\Projects\2024\124.0890.01\CADD\CD_124.0890_J7.dgn

1	STA 104+51.00, 22.50' RT ELEV = 1120.79	17	STA 105+73.95, 22.50' RT ELEV = 1120.16	33	STA 107+29.14, 6.00' LT ELEV = 1119.30	49	STA 109+36.61, 39.66' LT ELEV = 1118.14	65	STA 109+88.52, 6.00' RT ELEV = 1117.86
2	STA 104+36.86, 28.36' RT ELEV = 1120.52	18	STA 106+01.02, 24.63' RT ELEV = 1119.95	34	STA 107+50.00, 6.00' RT ELEV = 1119.29	50	STA 109+31.99, 40.01' LT ELEV = 1118.42 M.E.	66	STA 109+88.51, 22.50' RT ELEV = 1117.53
3	STA 104+31.00, 42.50' RT ELEV = 1120.77 M.E.	19	STA 106+04.69, 30.20' RT ELEV = 1120.31	35	STA 107+50.00, 28.50' RT ELEV = 1119.07	51	STA 109+32.39, 46.00' LT ELEV = 1118.61 M.E.	67	STA 110+14.19, 22.50' RT ELEV = 1117.36 M.E.
4	STA 104+29.36, 42.50' RT ELEV = 1120.84 M.E.	20	STA 106+04.55, 35.73' RT ELEV = 1120.34	36	STA 108+34.73, 17.00' RT ELEV = 1118.67	52	STA 109+51.65, 44.85' LT ELEV = 1118.74 M.E.	68	STA 110+04.79, 31.91' RT ELEV = 1117.56
5	STA 104+29.36, 30.51' RT ELEV = 1120.68 M.E.	21	STA 105+94.96, 45.55' RT ELEV = 1121.23	37	STA 108+34.73, 6.00' RT ELEV = 1118.78	53	STA 109+51.11, 28.81' LT ELEV = 1117.82	69	STA 110+04.80, 39.03' RT ELEV = 1117.70
6	STA 104+20.48, 30.49' RT ELEV = 1120.72 M.E.	22	STA 105+90.14, 45.55' RT ELEV = 1121.51 M.E.	38	STA 108+34.73, 6.00' LT ELEV = 1118.66	54	STA 109+52.85, 25.51' LT ELEV = 1117.56	70	STA 109+70.60, 39.03' RT ELEV = 1118.09
7	STA 104+20.55, 6.00' RT ELEV = 1120.68 M.E.	23	STA 105+90.27, 53.63' RT ELEV = 1121.51 M.E.	39	STA 108+34.73, 26.00' LT ELEV = 1118.46	55	STA 109+75.04, 23.52' LT ELEV = 1117.47	71	STA 109+58.97, 26.95' RT ELEV = 1117.95
8	STA 105+48.39, 6.00' RT ELEV = 1120.64	24	STA 106+32.05, 55.68' RT ELEV = 1121.07 M.E.	40	STA 108+64.73, 22.50' RT ELEV = 1118.27	56	STA 109+78.03, 28.50' LT ELEV = 1117.79	72	STA 109+42.41, 22.50' RT ELEV = 1117.81
9	STA 105+48.39, 6.00' LT ELEV = 1120.40	25	STA 106+33.86, 32.01' RT ELEV = 1119.96	41	STA 108+64.73, 6.00' RT ELEV = 1118.60	57	STA 109+78.05, 34.47' LT ELEV = 1117.89 M.E.	73	STA 109+21.30, 22.50' RT ELEV = 1117.93
10	STA 105+48.39, 22.50' LT ELEV = 1120.19	26	STA 106+37.93, 28.50' RT ELEV = 1119.63	42	STA 108+64.73, 6.00' LT ELEV = 1118.48	58	STA 109+93.61, 34.43' LT ELEV = 1117.79 M.E.	74	STA 109+00.19, 22.50' RT ELEV = 1118.06
11	STA 105+89.27, 22.50' LT ELEV = 1119.95	27	STA 106+31.73, 28.50' RT ELEV = 1119.68	43	STA 108+64.73, 28.50' LT ELEV = 1118.03	59	STA 109+93.61, 28.50' LT ELEV = 1117.70		
12	STA 105+92.01, 28.50' LT ELEV = 1120.34	28	STA 106+75.00, 28.50' RT ELEV = 1119.36	44	STA 109+00.19, 28.50' LT ELEV = 1117.82	60	STA 109+97.25, 22.50' LT ELEV = 1117.16 M.E.		
13	STA 105+92.03, 35.87' LT ELEV = 1120.52 M.E.	29	STA 106+75.00, 6.00' RT ELEV = 1119.81	45	STA 109+15.48, 28.50' LT ELEV = 1117.73	61	STA 109+88.54, 22.50' LT ELEV = 1117.41		
14	STA 106+04.74, 35.69' LT ELEV = 1120.32 M.E.	30	STA 106+99.14, 6.00' LT ELEV = 1119.51	46	STA 109+30.78, 28.50' LT ELEV = 1117.64	62	STA 109+97.44, 20.00' LT ELEV = 1117.21 M.E.		
15	STA 106+04.57, 28.41' LT ELEV = 1120.16	31	STA 106+99.14, 22.50' LT ELEV = 1119.18	47	STA 109+34.86, 27.87' LT ELEV = 1117.62	63	STA 109+88.54, 20.00' LT ELEV = 1117.46		
16	STA 106+07.21, 22.50' LT ELEV = 1119.84	32	STA 107+29.14, 17.00' LT ELEV = 1119.19	48	STA 109+35.99, 29.59' LT ELEV = 1117.84	64	STA 109+88.53, 6.00' LT ELEV = 1117.74		

105+00

106+00

107+00

108+00

109+00

110+00

2ND AVENUE N.

N. 15TH STREET

2ND AVENUE N.

(2) STEVEN B HEBERTS
1436 1ST AVE N

(3) JEFF HAUPTS INS & FINANCIAL SERVICES INC
116 N 15TH ST

(4) LJ CONVENIENCE LLC
1435 2ND AVE N

(8) TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N

(90) KWIK TRIP INC
201 N 15TH ST

(92) FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

CONSTANT 2% CROSS SLOPE

CONSTANT 1% CROSS SLOPE

UNIFORM TRANSITION

U.T.

24.5' 2%

16.5' 2%

12' 1%

22.5' 2%

20' 1%

14' 2%

STA 109+42.41, 51.00' RT
28.5' RADIUS POINT

STA 110+14.19, 31.90' RT
9.4' RADIUS POINT

0 20 40
FEET

M.E.=MATCH EXISTING

S.S.=SPECIAL SHAPING

C.S.=CONSTANT SLOPE

U.T.=UNIFORM TRANSITION

ALL ELEVATIONS SHOWN ARE FORM GRADE ELEVATIONS UNLESS NOTED OTHERWISE.

NOTE: KWIK TRIP IS RECONSTRUCTING THEIR SITE IN 2026. ONGOING COORDINATION WILL BE REQUIRED WITH THEM DURING CONSTRUCTION.

GEOMETRICS

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94 Project No: 124.0890.01		Sheet L.1	

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

GEOMETRIC, STAKING, AND JOINTING

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet L.1

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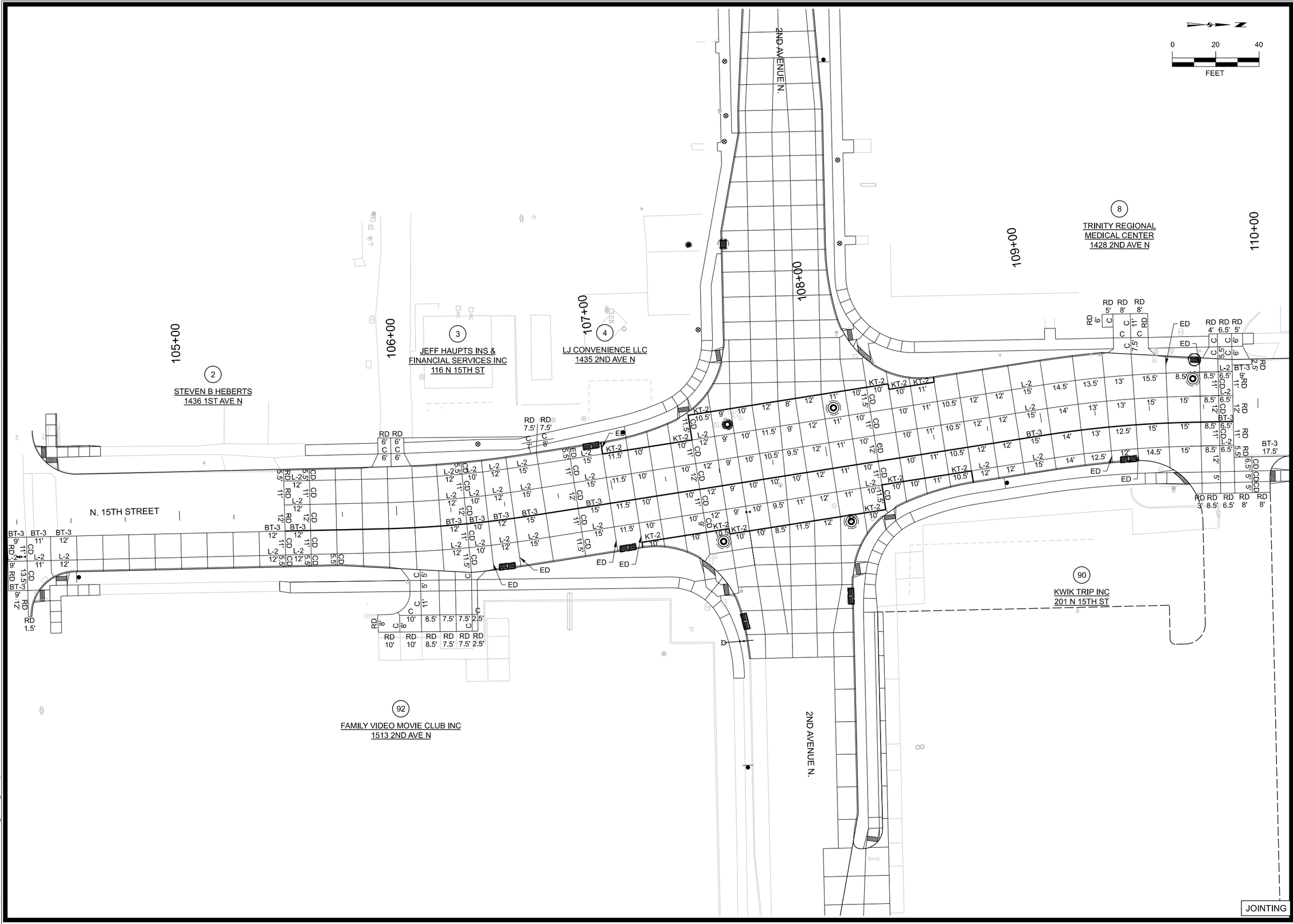

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet L.2
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

GEOMETRIC, STAKING, AND JOINTING

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet L.2

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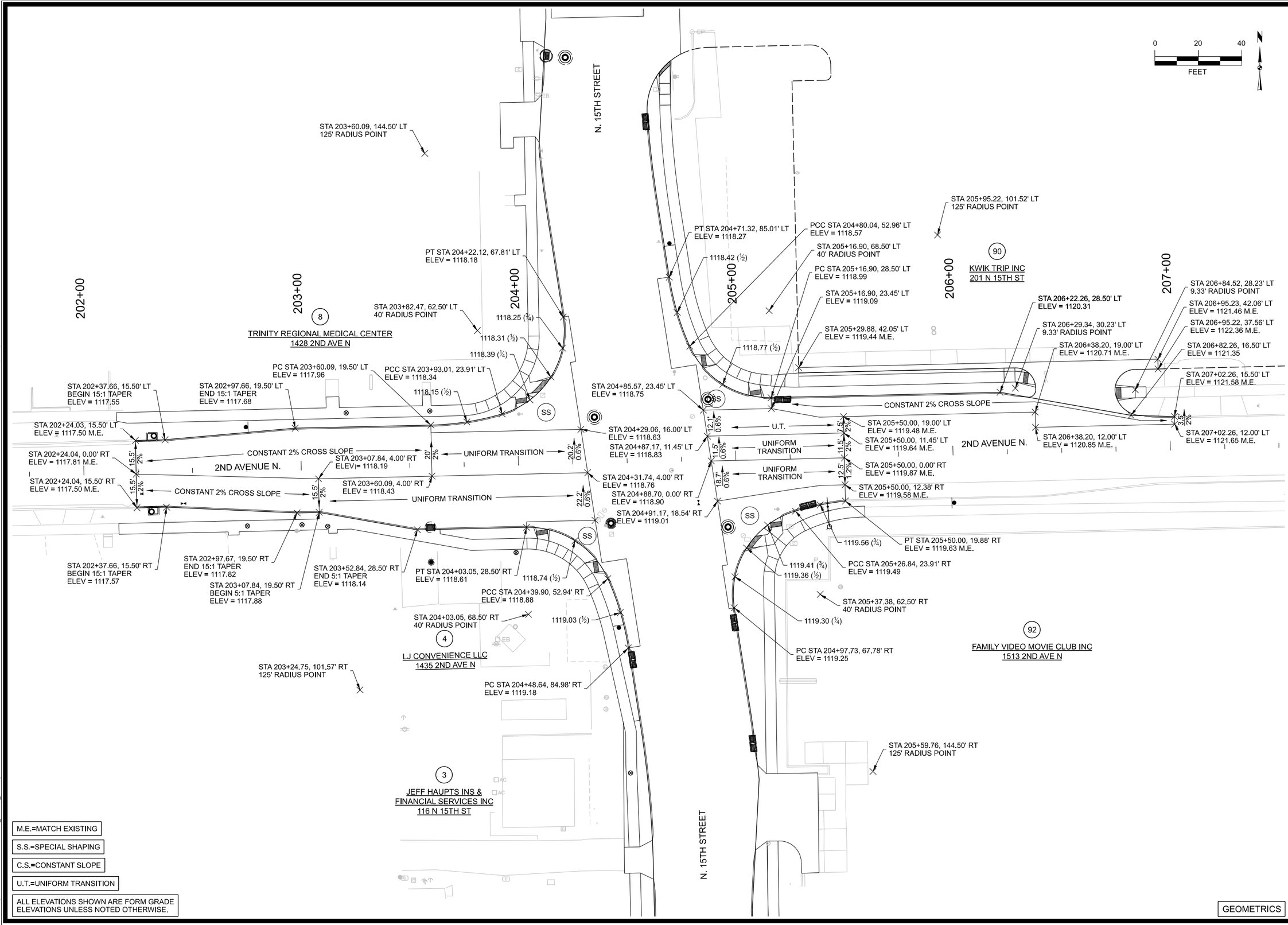

M.E.=MATCH EXISTING

S.S.=SPECIAL SHAPING

C.S.=CONSTANT SLOPE

U.T.=UNIFORM TRANSITION

ALL ELEVATIONS SHOWN ARE FORM GRADE ELEVATIONS UNLESS NOTED OTHERWISE.

GEOMETRICS

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet L.3
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

GEOMETRIC, STAKING, AND JOINTING

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet L.3

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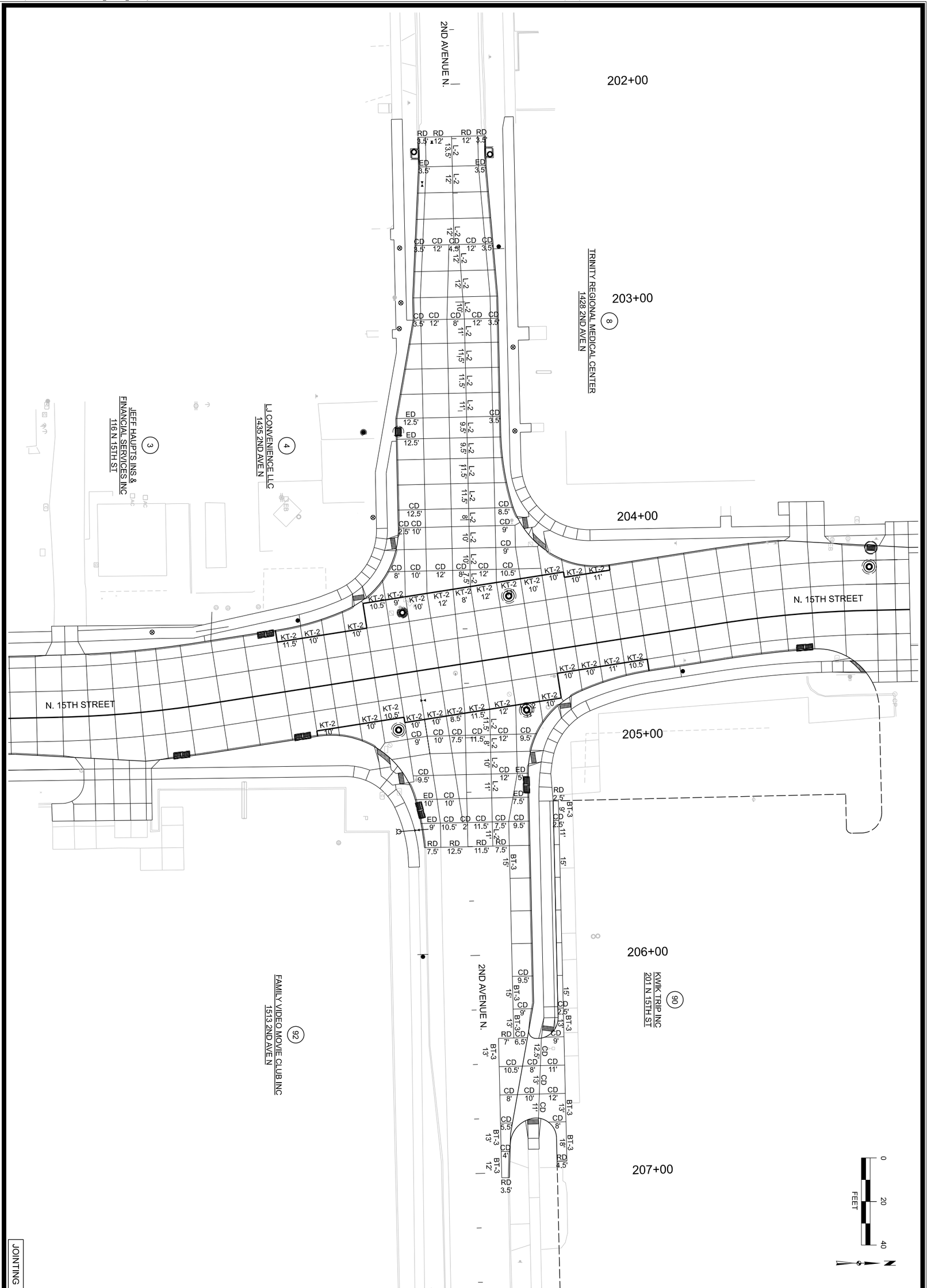


N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

GEOMETRIC, STAKING, AND JOINTING

CITY OF FORT DODGE, IOWA

MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS

Technician: EIG | Date: 2/17/2026 | T-R-S:

STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet L.4

SNYDER & ASSOCIATES

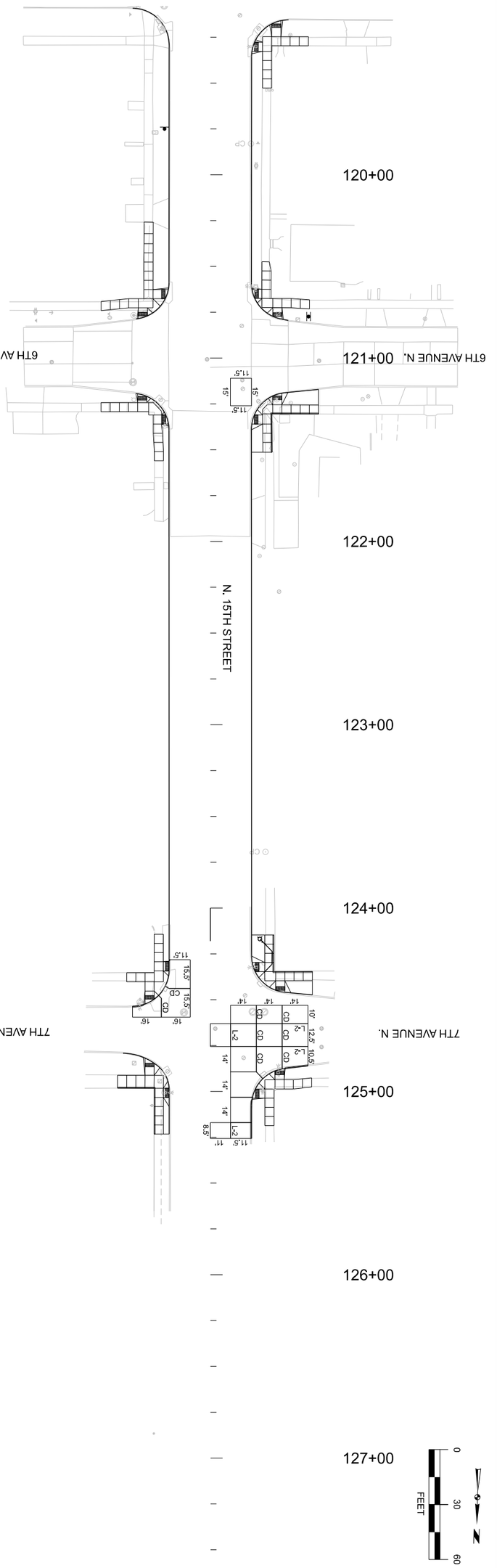
SNYDER & ASSOCIATES, INC.

2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

Project No: 124.0890.01

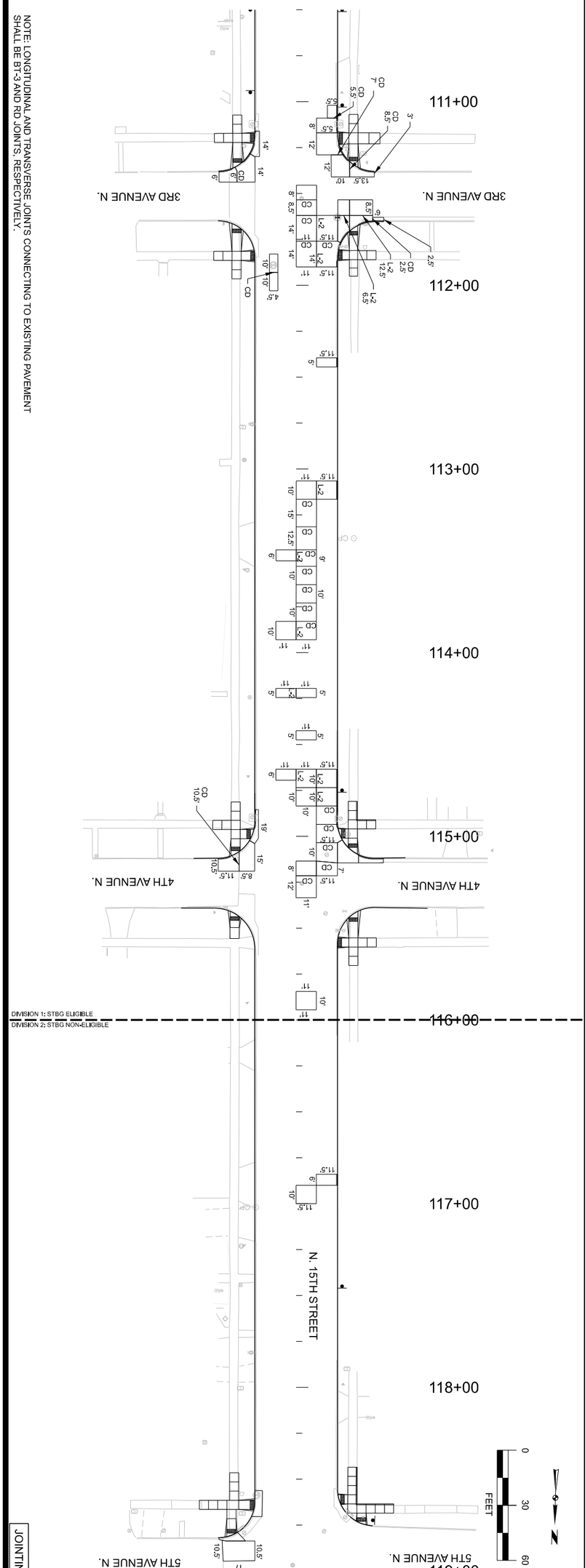
Sheet L.4

NOTE: LONGITUDINAL AND TRANSVERSE JOINTS CONNECTING TO EXISTING PAVEMENT SHALL BE BT-3 AND RD JOINTS, RESPECTIVELY.



JOINTING

NOTE: LONGITUDINAL AND TRANSVERSE JOINTS CONNECTING TO EXISTING PAVEMENT SHALL BE BT-3 AND RD JOINTS, RESPECTIVELY.



JOINTING

SNYDER & ASSOCIATES

Sheet L.5

Project No: 124.0890.01

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

GEOMETRIC, STAKING, AND JOINTING

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC. | 2727 SW SNYDER BLVD ANKENY, IOWA 50023 515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS

Technician: EIG | Date: 2/17/2026 | T-R-S:

STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet L.5

104_05B
3/6/25

STORM SEWER

(1) Diameter or equivalent diameter
* Bid Item
** For SW-545
Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe. An additional 2 ft length is added to each end of the Design Length to account for estimated length to center of structures.

No.	Location Station	Offset	Type or Standard Road Plan*	Form Grade Elev.	Bottom Well Elev.	Extension Length**	Notes	Line Number	Intake / Utility Access No. From	Intake / Utility Access No. To	Class 'D'	Pipe Size (1) (IN)	Bid Length* (FT)	Design Length (FT)	Slope %	Connected Pipe Joint (DR-121)	Flow Line Inlet Elev.	Flow Line Outlet Elev.	Flow Line Other Elev.	Pipe Profile Sheet No.	Notes
ST-01	106+47.55	28.5	SW-505	1119.60	1115.19			STP-01	ST-01	ST-02	2000	15.0	52	49.2	1.3		1115.69	1115.07		M.3	Open Jointed
ST-02	107+03.00	28.5	SW-505	1119.27	1114.47			STP-02	ST-02	ST-03	2000	18.0	40	38.4	1.0		1114.97	1114.58		M.3	Open Jointed
ST-03	107+46.97	31.4	SW-401 (60")	1119.13	1113.76			STP-03	EX	ST-03	2000	12.0	28	24.0	1.7		1114.78	1114.36		M.3	Verify Connection FL Elevation
ST-04	205+33.00	22.4	SW-505	1119.51	1114.96			STP-04	ST-04	ST-03	2000	15.0	36	32.3	1.1		1115.46	1115.12		M.3	Open Jointed
ST-05	205+22.26	28.5	SW-505	1119.04	1114.43			STP-05	ST-03	ST-06	2000	24.0	60	54.6	0.5		1114.26	1113.96		M.3	
ST-06	108+06.42	31.4	SW-401 (60")	1118.70	1113.36			STP-06	ST-05	ST-06	2000	15.0	32	28.6	1.2		1114.93	1114.58		M.3	Open Jointed
ST-07	109+38.63	22.5	SW-505	1117.77	1112.91			STP-07	ST-06	ST-10	2000	24.0	52	48.1	0.7		1113.86	1113.54		M.3	
ST-08	106+93.48	22.5	SW-505	1119.22	1114.67			STP-08	ST-08	ST-09	2000	15.0	62	58.3	1.1		1115.17	1114.50		M.3	Open Jointed
ST-09	107+57.00	21.5	SW-401 (48")	1118.97	1113.24			STP-09	ST-09	ST-10	2000	18.0	48	44.9	0.4		1113.74	1113.54		M.3	
ST-10	108+06.42	21.5	SW-401 (60")	1118.75	1112.94			STP-10	ST-13	ST-11	2000	15.0	128	122.8	0.4		1114.77	1114.27		M.3	Open Jointed
ST-11	203+58.86	28.5	SW-502 (48")	1117.98	1113.67			STP-11	ST-12	ST-11	2000	15.0	16	13.0	2.3		1114.50	1114.20		M.3	
ST-12	203+58.86	43.5	SW-512 (24")	1117.34	1114.00			STP-12	ST-11	ST-09	2000	15.0	84	79.1	0.4		1114.17	1113.84		M.3	Open Jointed
ST-13	202+31.65	15.5	SW-507	1117.54	1114.27			STP-13	ST-14	ST-10	2000	15.0	204	201.3	0.5		1114.61	1113.70		M.3	Open Jointed
ST-14	202+31.66	15.5	SW-507	1117.53	1114.11			STP-14	ST-10	ST-15	2000	24.0	164	161.0	0.4		1113.44	1112.78		M.3	
ST-15	109+70.29	14.1	SW-401 (60")	1117.69	1112.18			STP-15	FUTURE	ST-07	2000	15.0	20	16.4	0.8		1113.65	1113.51		M.3	
ST-16	109+71.30	23.8	SW-502 (60")	1117.39	1112.05			STP-16	ST-07	ST-15	2000	18.0	48	44.3	1.1		1113.41	1112.93		M.3	
								STP-17	ST-15	ST-16	2000	24.0	8	4.3	0.9		1112.68	1112.64		M.3	
								STP-18	ST-16	EX	2000	24.0	20	16.0	0.5		1112.55	1112.46		M.3	Verify Connection FL Elevation
			TOTAL:								TOTAL:										
			SW-401 (48")		1.00						12 In		28								
			SW-401 (60")		4.00						15 IN		634								
			SW-502 (48")		1.00						18 IN		136								
			SW-502 (60")		1.00						24 IN		304								
			SW-505		6.00																
			SW-507		2.00																
			SW-512 (24")		1.00																

104_09B
9/14/23

LONGITUDINAL SUBDRAIN BACKSLOPE

Refer to Soils Sheets

* Not a bid item.

Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
N 15th Street	104+51.00	106+45.82	Right	24.0	6.0	201.0	104+51.00		3.7	TYPE A-2 CLEANOUT
							106+45.82	DR-303		
N 15th Street	104+53.15	106+91.65	Left	24.0	6.0	238.0	104+53.15		4.4	TYPE A-2 CLEANOUT
							106+91.65	DR-303		
N 15th Street	108+08.68	109+35.15	Right	24.0	6.0	131.0	108+08.68	DR-303	2.4	
							109+35.15	DR-303		
N 15th Street	108+08.39	109+71.30	Left	24.0	6.0	174.0	108+08.39	DR-303	3.2	
							109+71.30	DR-303		
2nd Ave N	205+24.39	206+93.39	Left	24.0	6.0	173.0	205+24.39	DR-303	3.2	
							206+93.39			TYPE A-2 CLEANOUT
Total:										
Length= 917 LF										
DR-303 = 7 EA										
Porous Backfill = 16.9 CY										
Type A-2 Cleanout = 3 EA										

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet M.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

STORM SEWER

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet M.1

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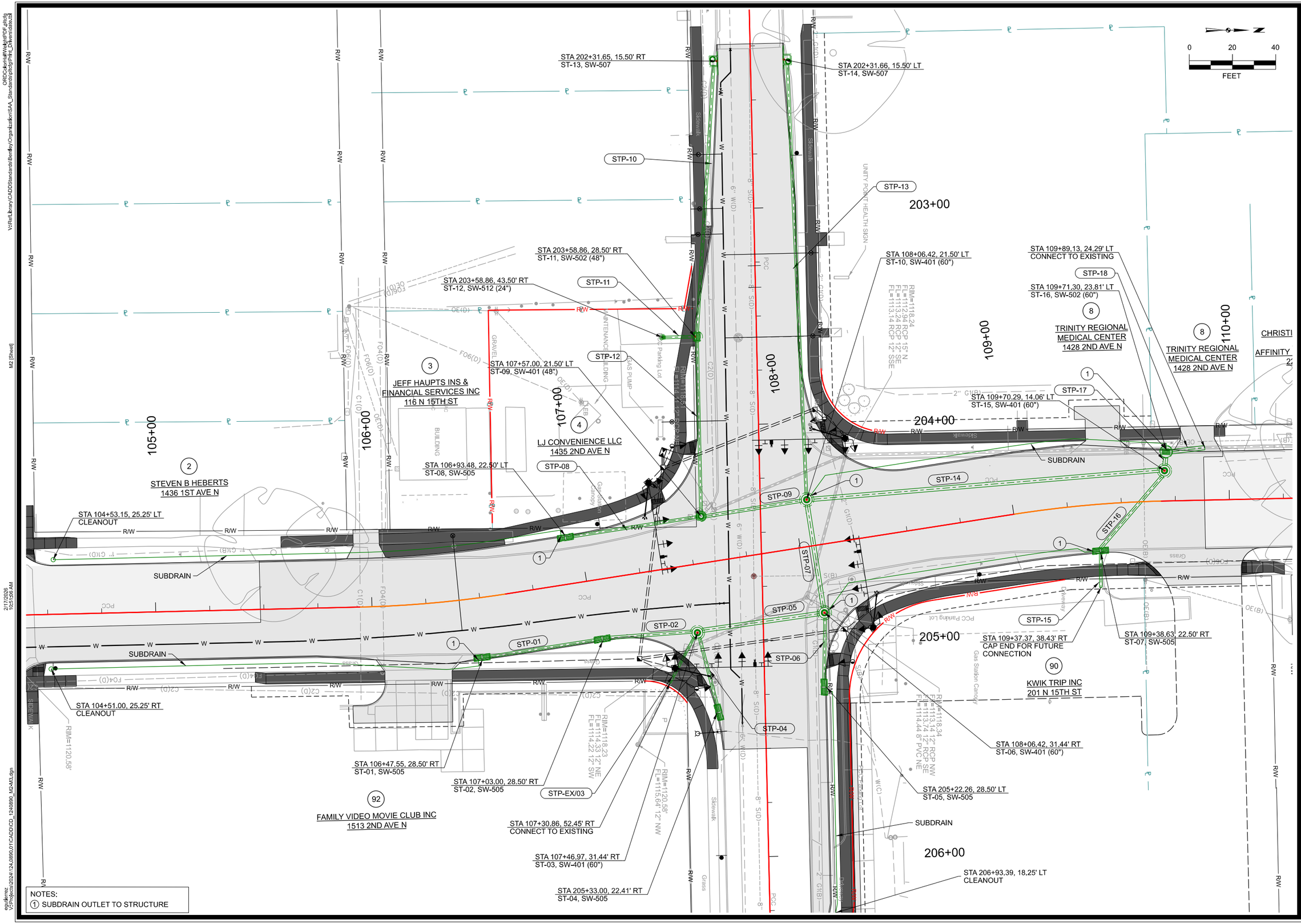


NOTES:
① SUBDRAIN OUTLET TO STRUCTURE

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet M.2
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

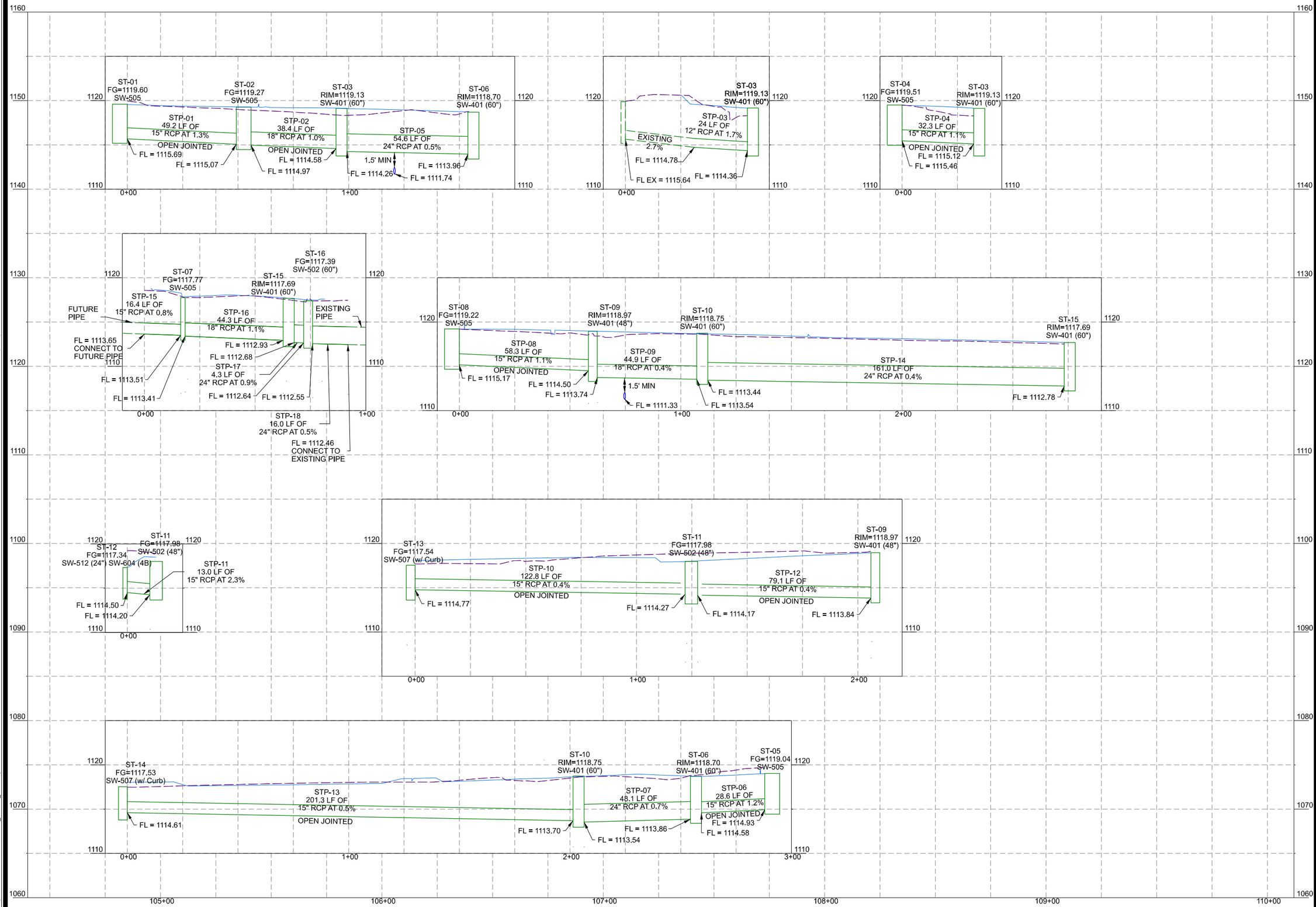
STORM SEWER PLAN

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet M.2



MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet M.3
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

STORM SEWER PROFILE

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

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Project No: 124.0890.01

Sheet M.3

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105-01

WATER MAIN

Road Identification	From Station	To Station	Side	Length	Material	Comments
			LT/RT	LF		
N 15th Street	104+25.45	107+63.79	RT	342	DIP	8 IN, DIVISION 2
2nd Avenue N	202+25.90	205+38.58	RT	317	DIP	8 IN, DIVISION 1
N 15th Street	124+16.88	124+35.20	LT	23	PVC	6 IN, DIVISION 2
TOTAL:	**DIVISION 1**	**DIVISION 2**				
8 IN DIP	**317**	**342**				
6 IN PVC	**0**	**23**				

105-02

WATER MAIN REMOVAL OR ABANDONMENT

* Not a bid item

Road Identification	To Station/Offset	Material	Work Type	Diameter of Pipe	Length	* Flowable Mortar or CLSM	Comments
				Inches	LF	CY	
N 15th Street	105+99.52, 16.64' RT	Cast Iron	Removal	2	177.00		DIVISION 2
2nd Ave N	20538.58, 10.72' RT	Cast Iron	Removal	6	313.00		DIVISION 1
				TOTAL:	**490.00**		

105-03

WATER MAIN FITTINGS

Road Identification	Station	Offset	Side	Type	Notes
			LT/RT		
N 15th Street	104+24.45	15.00'	RT	6" X 6" TEE	DIV.2
N 15th Street	104+24.90	15.00'	RT	8" X 6" REDUCER	DIV.2
N 15th Street	104+27.61	15.01'	RT	8" GATE VALVE	DIV.2
N 15th Street	106+40.91	30.00'	LT	1" WATER SERVICE	DIV.2
N 15th Street	107+60.19	19.77'	RT	8" GATE VALVE	DIV.2
N 15th Street	107+63.79	20.11'	RT	8" X 8" TEE	DIV.2
N 15th Street	111+63.09	22.36'	LT	VALVE BOX	DIV.2
N 15th Street	124+16.88	27.00'	LT	RELOCATE FIRE HYDRANT ASSEMBLY	DIV.2
N 15th Street	124+23.64	33.65'	LT	6" 45 DEGREE HORIZONTAL BEND	DIV.2
N 15th Street	124+30.72	33.59'	LT	6" 45 DEGREE HORIZONTAL BEND	DIV.2
N 15th Street	124+35.20	29.21'	LT	CONNECT TO EXISTING WITH 6" 45 DEGREE HORIZONTAL BEND	DIV.2
2nd Ave N	202+25.90	9.14'	RT	8" X 6" REDUCER	DIV.1
2nd Ave N	202+36.84	9.16'	RT	8" 45 DEGREE HORIZONTAL BEND	DIV.1
2nd Ave N	202+41.66	13.99'	RT	8" 45 DEGREE HORIZONTAL BEND	DIV.1
2nd Ave N	202+45.51	14.01'	RT	8" GATE VALVE	DIV.1
2nd Ave N	202+74.69	25.00'	RT	1" WATER SERVICE	DIV.1
2nd Ave N	202+99.80	25.00'	RT	1" WATER SERVICE	DIV.1
2nd Ave N	203+11.62	26.01'	RT	1" WATER SERVICE	DIV.1
2nd Ave N	203+21.29	26.00'	LT	1" WATER SERVICE	DIV.1
2nd Ave N	203+59.73	26.00'	LT	2" WATER SERVICE	DIV.1
2nd Ave N	203+97.99	40.00'	RT	1" WATER SERVICE	DIV.1
2nd Ave N	204+26.88	15.02'	RT	8" 45 DEGREE VERTICAL BEND	DIV.1
2nd Ave N	204+27.56	15.02'	RT	8" 45 DEGREE VERTICAL BEND	DIV.1
2nd Ave N	204+95.11	15.45'	RT	8" 45 DEGREE VERTICAL BEND	DIV.1
2nd Ave N	204+95.71	15.45'	RT	8" 45 DEGREE VERTICAL BEND	DIV.1
2nd Ave N	205+12.93	15.54'	RT	8" 45 DEGREE HORIZONTAL BEND	DIV.1
2nd Ave N	205+17.97	10.57'	RT	8" 45 DEGREE HORIZONTAL BEND	DIV.1
2nd Ave N	205+38.58	10.72'	RT	CONNECT TO EXISTING 8" GATE VALVE	DIV.1
2nd Ave N	205+42.36	31.51'	RT	RELOCATE FIRE HYDRANT ASSEMBLY	DIV.1

TOTAL (BY COUNT)	DIVISION 1	DIVISION 2	TOTAL (BY WEIGHT)	DIVISION 1	DIVISION 2
6" X 6" TEE	**0**	**1**	**6" X 6" TEE**	**0**	**125**
8" X 8" TEE	**0**	**1**	**8" X 8" TEE**	**0**	**185**
8" X 6" REDUCER	**1**	**1**	**8" X 6" REDUCER**	**95**	**95**
6" 45 DEGREE BEND	**0**	**3**	**6" 45 DEGREE BEND**	**0**	**225**
8" 45 DEGREE BEND	**8**	**0**	**8" 45 DEGREE BEND**	**880**	**0**
FITTINGS BY COUNT	**9**	**6**			
			SUBTOTAL	**975**	**630**
VALVE BOX	**0**	**1**	**20%**	**195**	**126**
8" GATE VALVE	**1**	**2**	**GRAND TOTAL**	**1170**	**756**
1" WATER SERVICE	**5**	**1**			
2" WATER SERVICE	**1**	**0**			
RELOCATE FIRE HYDRANT ASSEMBLY	**1**	**1**			
CONNECT TO EXISTING 8" GATE VALVE	**1**	**0**			

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet MWM.1
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

WATER MAIN QUANTITIES AND TABULATIONS

SNYDER & ASSOCIATES, INC.

2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet MWM.1

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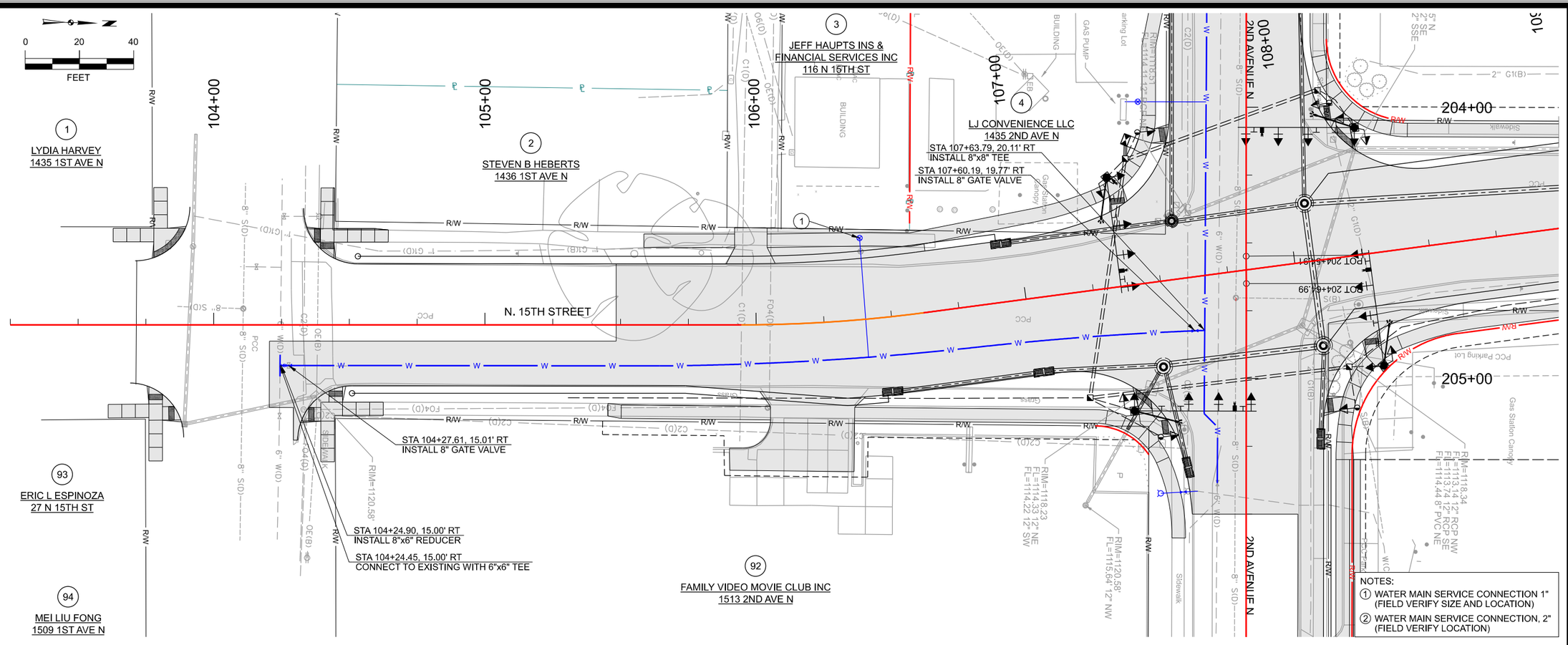

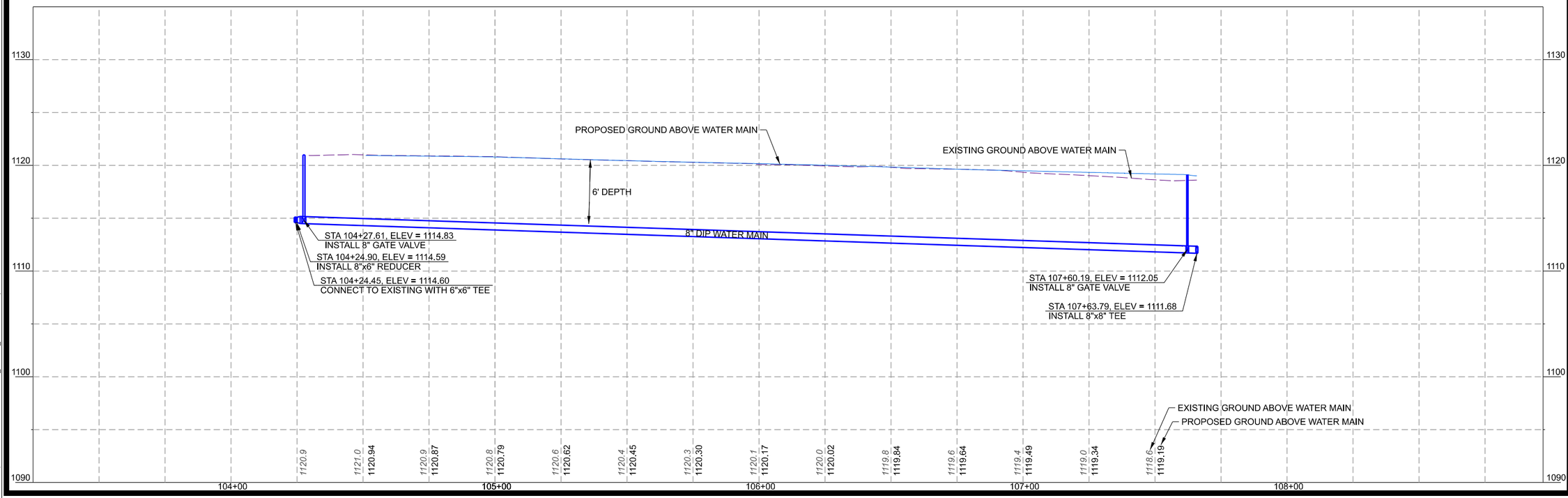

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Engineer: SJR | Checked By: JMS | T-R-S:
Technician: EIG | Date: 2/17/2026
STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet MWM.2

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

WATER MAIN PLAN AND PROFILE

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet MWM.2

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N

8 TRINITY REGIONAL MEDICAL CENTER

8 TRINITY REGIONAL MEDICAL CENTER
1428 2ND AVE N
RIM=1118.24
FL=1112.94 RCP 15" N
FL=1113.24 RCP 12" SE
FL=1113.14 RCP 12" SSE
CRITICAL CROSSING:
18" STORM BOT=1113.48
8" WATER TOP=1112.04

UNITY POINT HEALTH SIGN

90 KWIK TRIP INC
201 N 15TH ST
RIM=1118.34
FL=1113.14 12" RCP NW
FL=1113.74 12" RCP SE
FL=1114.44 8" PVC NE

KWIK T
1522 2N

2ND AVENUE N.

N. 15TH STREET

STA 202+36.84, 9.16' RT
INSTALL 8" 45 DEGREE BEND

STA 202+25.90, 9.14' RT
CONNECT TO EXISTING WITH 8"x6" REDUCER
(FIELD VERIFY)

STA 202+41.66, 13.99' RT
INSTALL 8" 45 DEGREE BEND

STA 202+45.51, 14.01' RT
INSTALL 8" GATE VALVE

5 MICHAEL REYNOLDS
1417 2ND AVE N

6 LUKE J & MEGAN E GROVE
1421 2ND AVE N

7 TIMBERLANE PROPERTIES LLC
1423 2ND AVE N

4 LJ CONVENIENCE LLC
1435 2ND AVE N

GAS PUMP
MAINTENANCE BUILDING
Gas Station Canopy
PCC Parking Lot

STA 205+17.97, 10.57' RT
INSTALL 8" 45 DEGREE BEND

STA 205+38.58, 10.72' RT
CONNECT TO EXISTING

STA 205+42.36, 31.51' RT
RELOCATE FIRE HYDRANT ASSEMBLY

STA 205+12.93, 15.54' RT
INSTALL 8" 45 DEGREE BEND
RIM=1120.58'
FL=1115.64' 12" NW

92 FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

CRITICAL CROSSING:
24" STORM BOT=1113.94
8" WATER TOP=1112.46
RIM=1118.23
FL=1114.33 12" NE
FL=1114.22 12" SW

STA 204+82.28, 15.36' RT
INSTALL 8"x8" TEE

NOTES:
① WATER MAIN SERVICE CONNECTION 1" (FIELD VERIFY SIZE AND LOCATION)
② WATER MAIN SERVICE CONNECTION, 2" (FIELD VERIFY LOCATION)

NOTE:
CONTRACTOR MAY INSTALL WATER MAIN DEEPER AND ELIMINATE THE NEED FOR 45° VERTICAL BENDS

EXISTING GROUND ABOVE WATER MAIN
PROPOSED GROUND ABOVE WATER MAIN
6' DEPTH
8" DIP WATER MAIN

STA 202+25.90, ELEV = 1111.09
CONNECT TO EXISTING WITH 8"x6" REDUCER
(FIELD VERIFY)

STA 202+45.51, ELEV = 1111.44
INSTALL 8" GATE VALVE

STA 204+26.88, ELEV = 1112.67
INSTALL 8" 45 DEGREE BEND

STA 204+27.56, ELEV = 1111.99
INSTALL 8" 45 DEGREE BEND

STA 204+84.29, ELEV = 1111.68
INSTALL 8"x8" TEE

STA 204+95.71, ELEV = 1113.02
INSTALL 8" 45 DEGREE BEND

STA 204+95.11, ELEV = 1112.42
INSTALL 8" 45 DEGREE BEND

STA 205+38.58, ELEV = 1113.08
CONNECT TO EXISTING 8" GATE VALVE

1130	1120	1110	1100	1090
1117.8	1117.8	1117.9	1118.0	1118.3
1117.66	1117.80	1117.93	1118.05	1118.16
1118.4	1118.4	1118.5	1118.5	1118.7
1118.34	1118.54	1118.75	1118.98	1119.15
1118.6	1119.2			
1119.08	1119.38			

202+00 203+00 204+00 205+00 206+00 207+00

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet MWM.3
Project No: 124.0890.01			

STP-U-2690(643)--70-94
CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS
WATER MAIN PLAN AND PROFILE

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01
Sheet MWM.3

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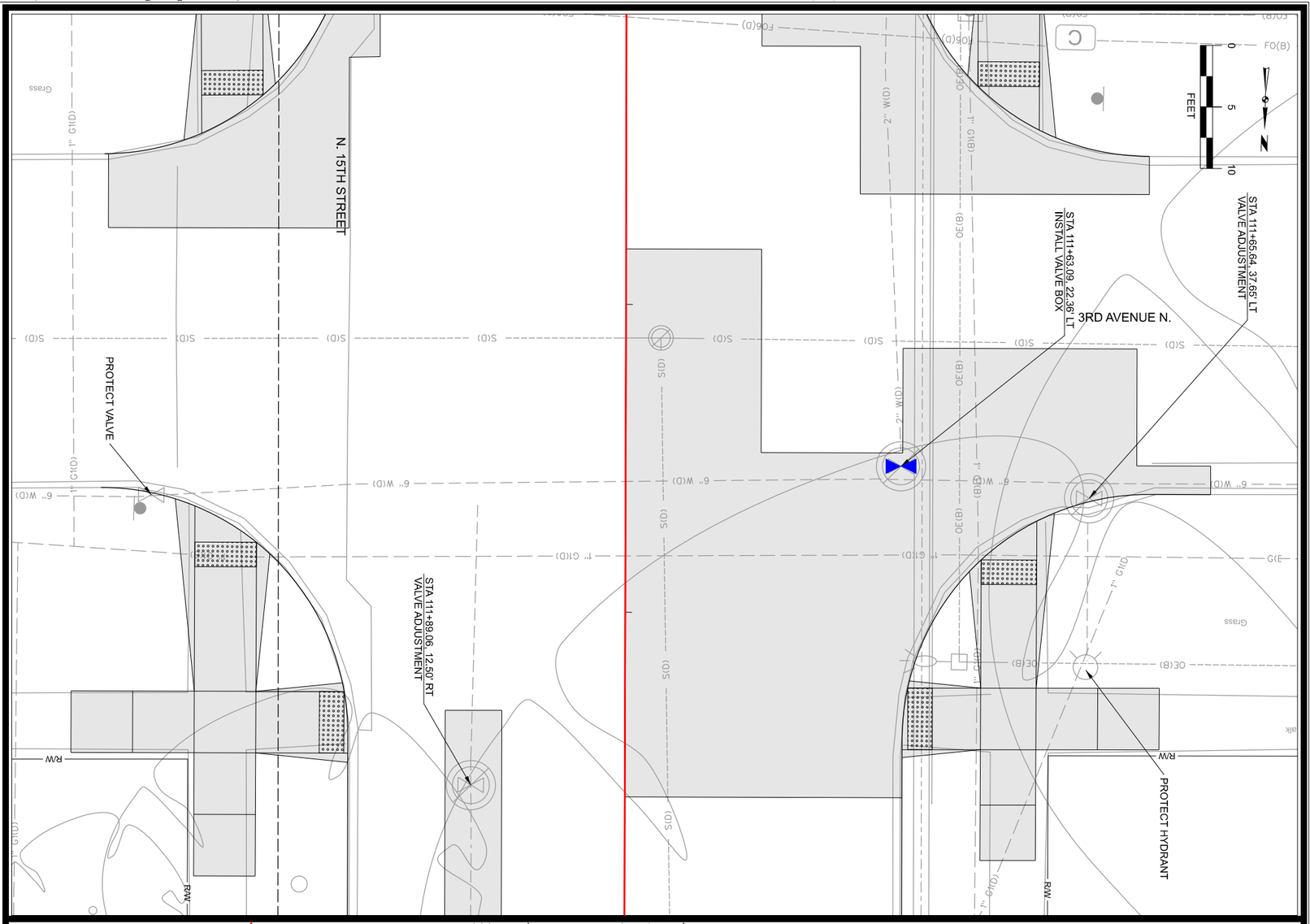

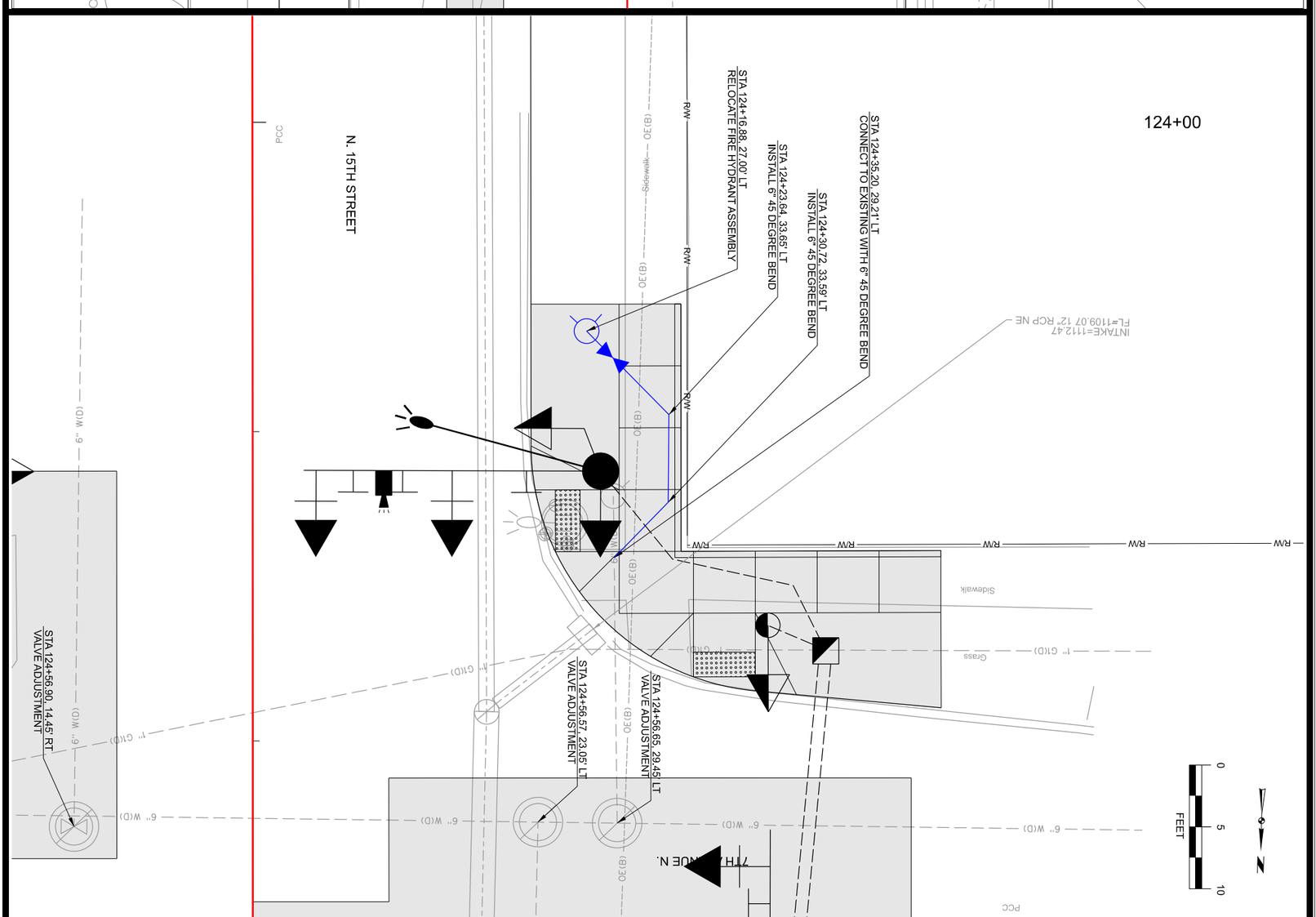

Sheet MWM.4	Project No: 124.0890.01	SNYDER & ASSOCIATES	

N. 15TH STREET IMPROVEMENTS — STP-U-2690(643)--70-94

WATER MAIN PLAN — CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC. | 2727 SW SNYDER BLVD, ANKENY, IOWA 50023 | 515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

MARK	REVISION	DATE	BY

Engineer: SJR	Checked By: JMS	
Technician: EIG	Date: 2/17/2026	T-R-S:
STP-U-2690(643)--70-94 Project No: 124.0890.01	Sheet MWM.4	

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ESTIMATE OF TRAFFIC SIGNAL QUANTITIES

ITEM	DESCRIPTION	UNITS	2ND AVE N	6TH AVE N	7TH AVE N	FIBER OPTIC	TOTAL
CONTROLLER AND CABINET	8-PHASE CONTROLLER, CABINET, 18" RISER, AND ACCESSORIES	EACH	1	1	1		3
	UNINTERRUPTIBLE POWER SUPPLY (BATTERY BACK-UP)	EACH	1	1	1		3
DETECTION	VIDEO DETECTION SYSTEM	EACH	1	1	1		3
	APS PEDESTRIAN PUSHBUTTON WITH SIGN	EACH	8	8	8		24
	TRAFFIC MONITORING CAMERA	EACH	1	1	1		3
TRAFFIC SIGNAL HEADS	12" <R,<Y,<FY,<G (ALL LED) W/ BACKPLATE, MAST-ARM MOUNTED	EACH	4				4
	12" R,Y,G, (ALL LED) W/ BACKPLATE, MAST-ARM MOUNTED	EACH	8	6	6		20
	12" R,Y,G (ALL LED), SIDE-OF-POLE MOUNTED	EACH	4	3	3		10
	16" PEDESTRIAN HEAD, HAND/PERSON, COUNTDOWN SIDE-OF-POLE MOUNTED	EACH	8	8	8		24
POWER SUPPLY	POWER SUPPLY	EACH	1	1	1		3
HANDHOLES	TYPE III - 24" x 36" PRE-CAST POLYMER-CONCRETE HANDHOLE	EACH	3	3	3	1	10
	TYPE IV - 30" x 48" PRE-CAST POLYMER-CONCRETE HANDHOLE	EACH	1	1	1		3
WIRE AND CABLE	SIGNAL CABLE - 16c #14 AWG	LIN FT	510	380	340		1230
	SIGNAL CABLE - 5c #14 AWG	LIN FT	1470	920	930		3320
	SIGNAL CABLE - 2c #14 AWG	LIN FT	1080	900	900		2880
	VIDEO DETECTION CABLE	LIN FT	770	550	500		1820
	TRAFFIC MONITORING CABLE	LIN FT	70	120	70		260
	LUMINAIRE CABLE - 1c #8 AWG	LIN FT	740	490	420		1650
	LUMINAIRE CABLE - 1c #6 AWG	LIN FT	400	300	300		1000
	POWER CABLE - 1c #8 AWG	LIN FT	120	120	120		360
	GROUND WIRE - 1c #6 BARE	LIN FT	480	370	390		1240
	TRACER WIRE - 1c #10	LIN FT	540	430	450	2600	4020
	PULL TAPE	LIN FT	480	370	390	2600	3840
CONDUIT	2" PVC, TRENCHED/BORED	LIN FT	150	170	180	2600	3100
	3" PVC TRENCHED/BORED	LIN FT	660	460	460		1580
CONCRETE FOOTINGS	CONTROLLER FOOTING	EACH	1	1	1		3
	POLE FOOTING, 2' DIA x 4' DEPTH	EACH	4	4	5		13
	POLE FOOTING, 3' DIA x 12' DEPTH	EACH		1	2		3
	POLE FOOTING, 3' DIA x 14' DEPTH	EACH	4	2	1		7
TRAFFIC SIGNAL POLES	STEEL COMBINATION SIGNAL/LIGHTING - 24' MAST ARM - BLACK	EACH			1		1
	STEEL COMBINATION SIGNAL/LIGHTING - 30' MAST ARM - BLACK	EACH		1			1
	STEEL COMBINATION SIGNAL/LIGHTING - 35' MAST ARM - BLACK	EACH			1		1
	STEEL COMBINATION SIGNAL/LIGHTING - 38' MAST ARM - BLACK	EACH		1	1		2
	STEEL COMBINATION SIGNAL/LIGHTING - 43' MAST ARM - BLACK	EACH	3	1			4
	STEEL COMBINATION SIGNAL/LIGHTING - 45' MAST ARM - BLACK	EACH	1				1
	ALUMINUM PEDESTAL POLE - HEIGHT 10' - BLACK	EACH	4	4	5		13
LUMINAIRE	LUMINAIRE FIXTURE	EACH	4	3	3		10
	CONNECTOR - Y-1, FUSED	EACH	6	4	4		14
	CONNECTOR - L-1, FUSED	EACH	8	6	6		20
FIBER OPTIC	SINGLE MODE CABLE - 72 CNT	LIN FT	470	410	160	2830	3870
	FIBER OPTIC TERMINATION - LC	EACH	24	24	12		60
MISC.	STREET NAME SIGN - 72" x 18", MAST-ARM MOUNTED	EACH	2	1	1		4
	STREET NAME SIGN - 72" x 18", MAST-ARM MOUNTED	EACH	2	2	2		6
	TRAFFIC SIGN -R3-5L, 30" x 36", MAST-ARM MOUNTED	EACH	4				4
	TRAFFIC SIGN -R3-5R, 30" x 36", MAST-ARM MOUNTED	EACH	4				4
	TRAFFIC SIGN - R10-12, 30" x 36", MAST-ARM MOUNTED	EACH		1	1		2
	TRAFFIC SIGN - R3-2L, 36" x 36", MAST-ARM MOUNTED	EACH		1	1		2
	TRAFFIC SIGN - R3-2R, 36" x 36", MAST-ARM MOUNTED	EACH		1	1		2
	TRAFFIC SIGN - R6-1L, 54" x 18", MAST-ARM MOUNTED	EACH		1	1		2
	TRAFFIC SIGN - R6-1R, 54" x 18", MAST-ARM MOUNTED	EACH		1	1		2
	TRAFFIC SIGNAL REMOVAL	EACH	1	1	1		3

TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED	
		TRAFFIC SIGNAL
		TRAFFIC SIGNAL WITH BACKPLATE
		PEDESTRIAN SIGNAL
	(XX)	MAST ARM SUSPENDED TRAFFIC SIGNAL (XX = LENGTH OF MAST ARM)
		METAL TRAFFIC SIGNAL PEDESTAL
		TRAFFIC SIGNAL HEAD NUMBER
	(X)	POLE NUMBER
		STREET LIGHT ON SIGNAL POLE
		CONDUIT TRENCHED, PUSHED, JACKED, OR BORED
		HANDHOLE

EXISTING	PROPOSED	
		CONTROLLER CABINET WITH FOOTING
		SECONDARY SERVICE POINT
	(XX)	INDUCTIVE LOOP DETECTOR (XX = NUMBER DESIGNATION)
	XX	DETECTION ZONE (XX = NUMBER DESIGNATION)
		VIDEO DETECTION CAMERA
		TRAFFIC MONITORING CAMERA
		EMERGENCY VEHICLE DETECTOR
		POLE MOUNTED SIGN

GENERAL NOTES:

1. ALL QUANTITIES SHOWN IN THE TRAFFIC SIGNAL PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S LUMP SUM BID SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
2. PROVIDE TRAFFIC CONTROL DEVICES AS REQUIRED TO FACILITATE CONSTRUCTION OF TRAFFIC SIGNALS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR THE STREETS AND HIGHWAYS, AS ADOPTED BY THE IOWA DEPARTMENT OF TRANSPORTATION PER 761 OF THE IOWA ADMINISTRATIVE CODE (IAC), CHAPTER 130.
3. PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IOWA DOT STANDARD SPECIFICATIONS EXCEPT AS MODIFIED BY THESE PLANS.
4. THE CONTRACTOR SHALL HAVE AN EMPLOYEE ON THE PROJECT WITH A LEVEL II INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) TRAFFIC SIGNAL TECHNICIAN CERTIFICATION, PROVIDE COPY OF CERTIFICATION, ON SITE DURING CONSTRUCTION ACTIVITIES. A PAPER COPY OF THE PLANS SHALL BE ON SITE DURING CONSTRUCTION ACTIVITIES.
5. ROADWAY GEOMETRICS REPRESENT EXISTING AND PROPOSED FEATURES.
6. MAINTAIN TRAFFIC SIGNAL OPERATION DURING CONSTRUCTION. PROVIDE TWO BUSINESS DAYS OF NOTICE TO THE CITY OF FORT DODGE AND ENGINEER BEFORE CONSTRUCTION ACTIVITIES REQUIRE TRAFFIC SIGNAL TO BE PLACED IN FLASHING OPERATION OR SHUTDOWN. PROVIDE SEPARATE NOTICES FOR EACH INTERSECTION OR IF INTERSECTION OPERATIONS NEED TO BE IMPACTED ON MULTIPLE, NON-CONSECUTIVE DAYS. FLASHING OPERATION IS ONLY ALLOWED FROM 7:00 AM TO 3:00 PM WEEKDAYS. PLACE ALL-WAY STOP SIGNS AND ADVANCE STOP SIGNS ON ALL APPROACHES AT EACH INTERSECTION DURING FLASHING OPERATIONS. 2ND AVE N TRAFFIC SIGNAL MAY BE DEACTIVATED WHEN INTERSECTION IS CLOSED.
7. TRAFFIC SIGNALS AT 6TH AVE N AND 7TH AVE N SHALL OPERATE NORMALLY DURING THE STATE SOFTBALL TOURNAMENT, JULY 20-24, 2026. NO CONSTRUCTION ACTIVITIES ARE ALLOWED TO IMPACT TRAFFIC DURING THIS WEEK AT THESE LOCATIONS.
8. THE PLAN LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION ON THE PROJECT TO ESTABLISH LOCATIONS.
9. LOCATION OF ALL HANDHOLES ARE APPROXIMATE ONLY AND SUBJECT TO ADJUSTMENT IN THE FIELD BY THE ENGINEER. OBTAIN ENGINEER'S APPROVAL PRIOR TO PLACING HANDHOLES AND CONSTRUCTING FOOTINGS.
10. UTILIZE THE STANDARD ROAD PLAN LI-103 FOR CONDUIT DEPTH AND HANDHOLES.
11. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED AND APPLIED WITH ELECTROSTATICALLY APPLIED WITH PRIMER AND BLACK FINISH, PER SUPPLIER SPECIFICATIONS. PEDESTAL POLES AND BASES SHALL HAVE A BLACK FINISH PER SUPPLIER'S SPECIFICATIONS. ALL POLES SHALL HAVE A TRANSFORMER BASE WITH HANDHOLE UNLESS STRUCTURAL LOADING PROHIBITS BASE. LUMINAIRE ARMS SHALL BE SIGNIFY LUMEC [AC8-002]-1A-R5 9/16-BKTX OR APPROVED EQUAL. LUMINAIRES SHALL BE SIGNIFY LUMEC RN30-135W80LED4K-G3-R-ACDR-LE3R-240-DMG-SMA-DE1-BKTX. ALL VISIBLE HARDWARE SHALL MATCH POLE FINISH.
12. INSTALL TWO 1-CONDUCTOR #10 AWG CABLES FROM THE LUMINAIRE TO THE BASE OF THE POLE IN COMBINATION SIGNAL/LIGHTING POLES. UTILIZE Y AND L CONNECTORS AS NEEDED.
13. INSTALL ONE SIGNAL CABLE FROM EACH SIGNAL HEAD TO THE BASE OF THE POLE. A 5-CONDUCTOR CABLE SHALL BE USED IN THE POLES FOR EACH VEHICLE AND PEDESTRIAN SIGNAL HEAD. ALL SIGNAL CABLE SHALL BE #14 AWG UNLESS OTHERWISE NOTED ON THE PLANS.
14. NEW VEHICULAR AND PEDESTRIAN SIGNAL HEADS SHALL HAVE BLACK FACES, VISORS, BACKPLATES (WHERE INDICATED) AND BODIES. NEW MOUNTING BRACKETS SHALL UTILIZE STAINLESS STEEL BANDING FOR SIDE OF POLE MOUNTING AND GALVANIZED STEEL CABLE FOR MAST ARM MOUNTING. BRACKETS SHALL HAVE NATURAL FINISH.
15. UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS ARE TO BE ALIGNED OVER THE CENTER OF INTERSECTION APPROACH LANES. APPROXIMATE LOCATIONS ARE AS SHOWN IN THE TRAFFIC SIGNAL POLE DATA TABLE. CONTRACTOR SHALL FIELD VERIFY SIGNAL HEAD LOCATIONS.
16. INSTALL A #6 AWG BARE COPPER GROUND WIRE BETWEEN THE GROUND RODS IN THE SIGNAL FOOTINGS AND HANDHOLES TO FORM A CONTINUOUSLY GROUNDED SYSTEM.
17. PULL TAPE SHALL BE FLAT WOVEN POLYESTER TAPE WITH MINIMUM TENSILE STRENGTH OF 1,250 LB AND WIDTH OF 0.5 INCH.
18. ALL NEW CONDUIT SHALL BE RIGID PVC OR DIRECTIONAL BORED HDPE CONDUIT, UNLESS OTHERWISE SPECIFIED.
19. DETECTION CABLE SHALL BE PER MANUFACTURER'S RECOMMENDATION. NO SPLICES ALLOWED IN DETECTION CABLE(S). BRACKETS SHALL HAVE A MANUFACTURER'S NATURAL FINISH. PROVIDE AND INSTALL WIND DAMPENING DEVICE AS INDICATED ON DETAIL 2 ON SHEET N.11. COORDINATE WITH OWNER TO CONFIRM ALL UNITS ARE VISIBLE FROM OWNER'S COMPUTER(S) AT END OF THE PROJECT UTILIZING THE CITY'S FIBER NETWORK, PROVIDE AND INSTALL NECESSARY SOFTWARE TO COMMUNICATE WITH CAMERAS AS NEEDED.
20. EQUIPMENT SHALL BE FLASHING YELLOW ARROW COMPATIBLE. CABINET EQUIPMENT SHALL INCLUDE 24-POSITION FIBER DISTRIBUTION PANEL AND PHOTOCELL TO CONTROL LIGHTING. UPS SYSTEM SHALL BE HOUSED IN EXTERNAL CABINET ATTACHED TO TRAFFIC SIGNAL CABINET. PHOTOCELL SHALL HAVE A STANDARD NEMA RECEPTACLE.
21. INCLUDE PROGRAMMING THE OWNER'S EXISTING TACTICS SOFTWARE TO COMMUNICATE WITH THE NEW CONTROLLERS. PRIOR TO PROJECT ACCEPTANCE, THE OWNER SHALL BE ABLE TO COMMUNICATE, THROUGH TACTICS, TO THE PROJECT INTERSECTION CONTROLLERS.
22. FURNISH AND INSTALL TRAFFIC MONITORING (PAN-TILT-ZOOM) CAMERAS, MOUNTING HARDWARE, AND CABLE. INSTALL CAMERAS AT IDENTIFIED INTERSECTIONS PER MANUFACTURER'S RECOMMENDATION. CONNECT CAMERA TO SIGNAL CABINET USING MANUFACTURER'S RECOMMENDED CABLE WITH NO SPLICING. INSTALL NECESSARY CABINET EQUIPMENT TO CONNECT AND CONTROL CAMERA TO THE COMMUNICATION NETWORK. INSTALL NECESSARY SOFTWARE TO FULLY VIEW AND OPERATE CAMERA FROM CITY HALL AND PUBLIC WORKS. COORDINATE WITH CITY STAFF TO CONFIRM SYSTEM IS OPERATIONAL SUCH THAT THE CITY SHALL BE ABLE TO FULLY VIEW AND OPERATE CAMERA ON ALL INSTALLED COMPUTERS AT COMPLETION OF THE PROJECT. CONTRACTOR TO INCLUDE NECESSARY PROGRAMMING OF SOFTWARE TO VIEW AND OPERATE CAMERA ON INSTALLED COMPUTER(S).
23. STREETNAME SIGNS SHALL BE WHITE TEXT ON GREEN BACKGROUND COLOR WITH SERIES B FONT. FONT SHALL HAVE 12" LETTERING.
24. PROVIDE STRUCTURAL CONCRETE TESTING (2 CYLINDERS, 7-DAY AND 28-DAY, FOR EACH BATCH) IN ACCORDANCE WITH ASTM C39 AS POURED FOR POLE FOOTINGS.
25. INSTALL TEMPORARY SPAN-WIRE TRAFFIC SIGNAL, AS NEEDED, AND ALL AVAILABLE PERMANENT SIGNAL EQUIPMENT, INCLUDING PEDESTAL POLES, PRIOR TO THE OPENING OF THE 2ND AVE N INTERSECTION. TEMPORARY SIGNAL HEADS AND ASSOCIATED SIGNING ON SPAN-WIRE DOES NOT NEED TO BE PERMANENT HEADS OR SIGNING. CAN USE PERMANENT PUSH BUTTONS AND SIGNAGE ON WOOD POLES (RELOCATE TO PERMANENT POLES AS NEEDED WHEN NECESSARY). THE TEMPORARY SIGNAL SHALL OPERATE AS THE PERMANENT SIGNAL (TIMING AND PHASING). UTILIZE PERMANENT DETECTION EQUIPMENT, MOUNTED TO WOOD POLES (RELOCATE TO MAST ARM INSTALLATION WHEN NECESSARY). REMOVE WOOD POLES AND OTHER SPAN-WIRE EQUIPMENT AFTER PERMANENT SIGNALS ARE FULLY OPERATIONAL. BACKFILL AND COMPACT VOIDS AFTER REMOVING WOOD POLES.
26. TRAFFIC SIGNAL REMOVAL INCLUDES REMOVAL OF TRAFFIC SIGNAL HEADS, POLES AND FOUNDATIONS TO AT LEAST 4' BELOW GRADE, EXISTING DETECTION EQUIPMENT, AND EXISTING SIGNAL CABLE THAT CAN BE REMOVED FROM EXISTING CONDUITS. CONTRACTOR TO SALVAGE ALL EQUIPMENT AND CABLE. ABANDON UNUSED CONDUITS IN PLACE. NOTIFY CITY, STEVE MATTKE (515-570-7397), PRIOR TO REMOVING TRAFFIC SIGNALS (TWO BUSINESS DAYS).

TRAFFIC SIGNAL EQUIPMENT

EQUIPMENT	MANUFACTURER	MODEL NO.
CABINET	-	NEMA TS-2, 18" RISER (FINISH TO MATCH CABINET)
CONTROLLER	SIEMENS	M60 ATC WITH IP ADDRESSING
HARDENED ETHERNET SWITCH	ANTARIA	LMX-2004G-SFP-T
PEDESTRIAN PUSHBUTTONS	POLARA	-
VEHICLE DETECTION SYSTEM	NOTRAFFIC	NUMBER OF UNITS AS NEEDED
TRAFFIC MONITORING CAMERA	AXIS	Q60-E SERIES
UNINTERRUPTIBLE POWER SUPPLY	ALPHA	AUTO BYPASS, GENERATOR INPUT, 4 BATTERY (48V DC), BATTERY HEATER MATS
ABOVE EQUIPMENT IS INCLUDED IN OR INCIDENTAL TO ITEMS SHOWN IN THE ESTIMATE OF TRAFFIC SIGNAL QUANITITIES		

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK		
Technician: JMF	Date: 2/24/2026		

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T-R-S:
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STP-U-2690(643)--70-94

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL GENERAL NOTES AND QUANTITIES

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

Sheet N.1

TRAFFIC SIGNAL FACES

TRAFFIC SIGNS

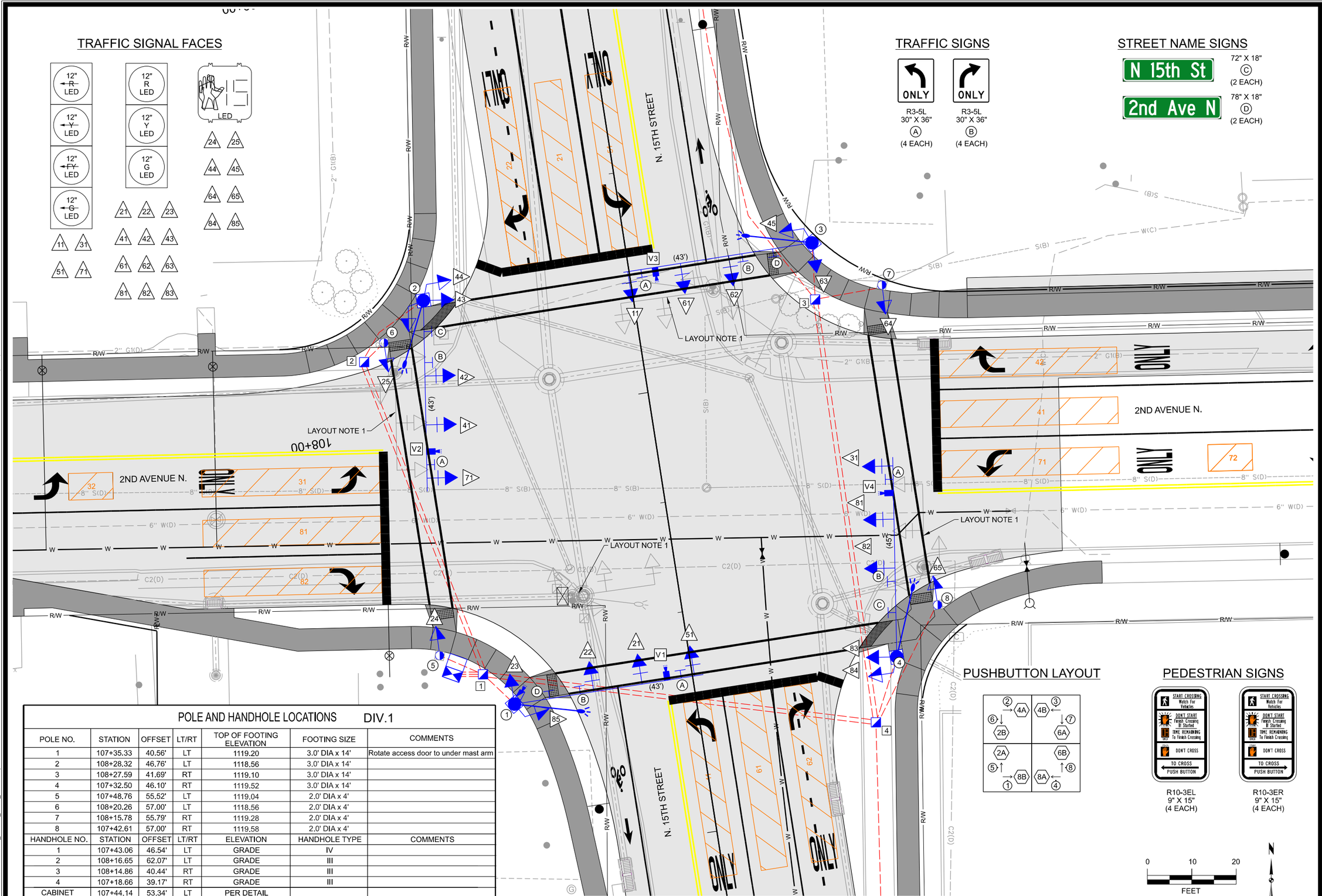
R3-5L
30" X 36"
(A)
(4 EACH)

R3-5L
30" X 36"
(B)
(4 EACH)

STREET NAME SIGNS

72" X 18"
(C)
(2 EACH)

78" X 18"
(D)
(2 EACH)



POLE AND HANDHOLE LOCATIONS DIV.1

POLE NO.	STATION	OFFSET	LT/RT	TOP OF FOOTING ELEVATION	FOOTING SIZE	COMMENTS
1	107+35.33	40.56'	LT	1119.20	3.0' DIA x 14'	Rotate access door to under mast arm
2	108+28.32	46.76'	LT	1118.56	3.0' DIA x 14'	
3	108+27.59	41.69'	RT	1119.10	3.0' DIA x 14'	
4	107+32.50	46.10'	RT	1119.52	3.0' DIA x 14'	
5	107+48.76	55.52'	LT	1119.04	2.0' DIA x 4'	
6	108+20.26	57.00'	LT	1118.56	2.0' DIA x 4'	
7	108+15.78	55.79'	RT	1119.28	2.0' DIA x 4'	
8	107+42.61	57.00'	RT	1119.58	2.0' DIA x 4'	
HANDHOLE NO.	STATION	OFFSET	LT/RT	ELEVATION	HANDHOLE TYPE	COMMENTS
1	107+43.06	46.54'	LT	GRADE	IV	
2	108+16.65	62.07'	LT	GRADE	III	
3	108+14.86	40.44'	RT	GRADE	III	
4	107+18.66	39.17'	RT	GRADE	III	
CABINET	107+44.14	53.34'	LT	PER DETAIL		

PUSHBUTTON LAYOUT

PEDESTRIAN SIGNS

R10-3EL
9" X 15"
(4 EACH)

R10-3ER
9" X 15"
(4 EACH)

0 10 20
FEET

N

LAYOUT NOTES:

1. REMOVE SIGNAL EQUIPMENT

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK		T-R-S:
Technician: JMF	Date: 2/17/2026		
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Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL LAYOUT

SNYDER & ASSOCIATES, INC.
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ANKENY, IOWA 50023
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet N.2

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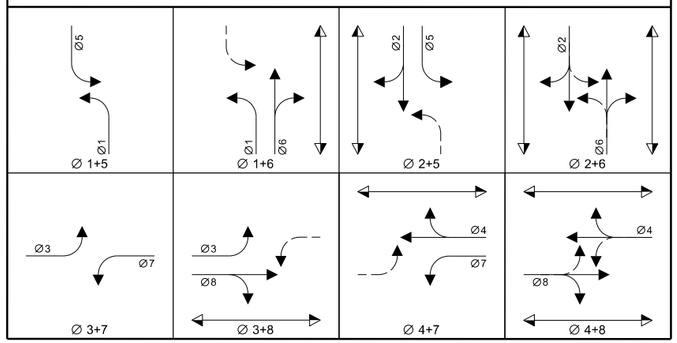
DETECTOR SUMMARY

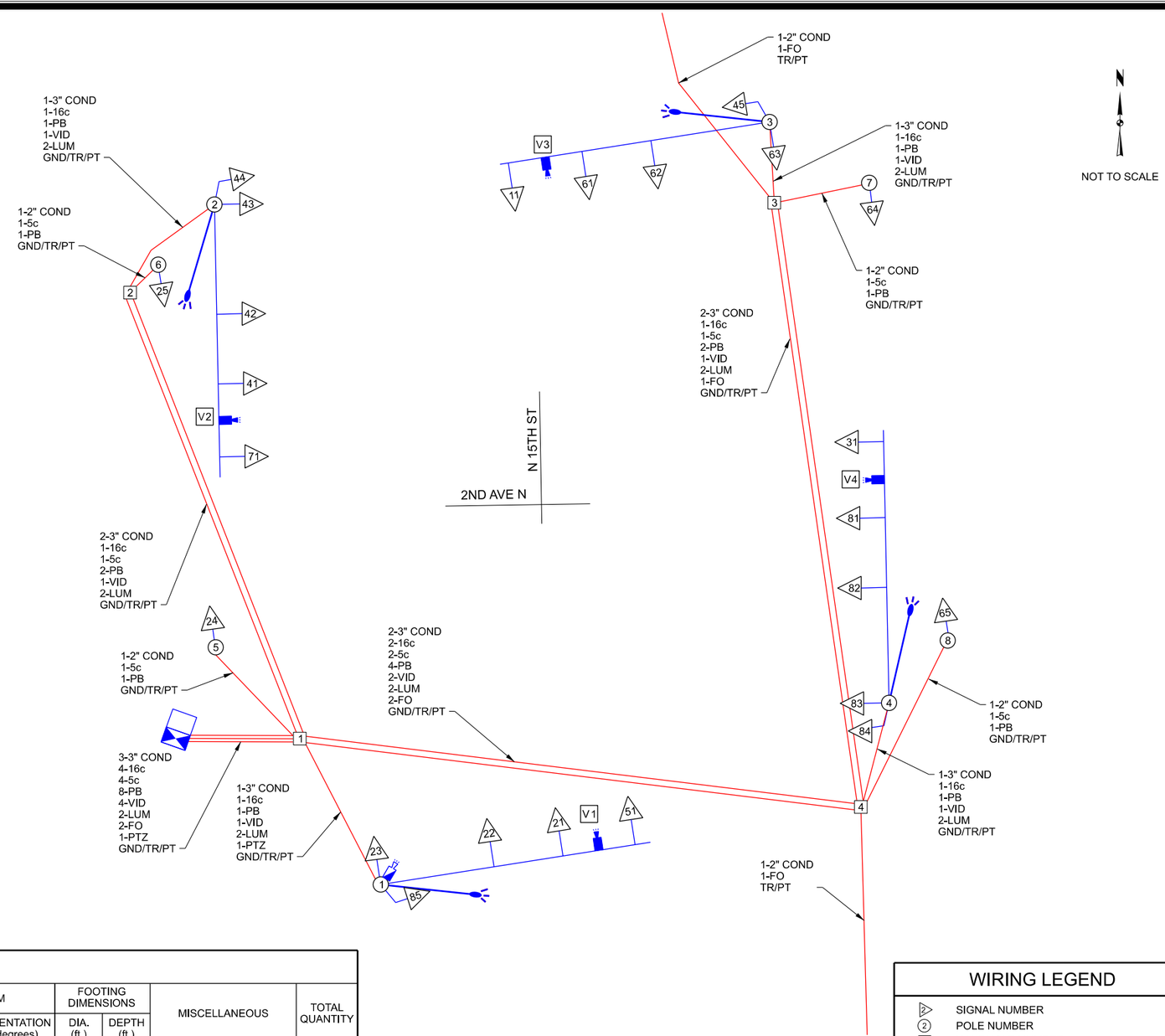
UNIT NUMBER	DETECTION ZONE	ZONE LIMITS (DISTANCE FROM STOP LINE)	PHASE CALLED	PHASE EXTENDED	DETECTOR INPUT ASSIGNMENT	COMMENTS
V1	21	0'-40'	2	2		
	22	0'-40'	2	2		
	51	0'-40'	2	2,5		
	52	60'-70'	5	2,5		DELAY = 15 SEC
V2	41	0'-40'	4	4		
	42	0'-40'	4	4		DELAY = 10 SEC
	71	0'-40'	4	4,7		
	72	60'-70'	7	4,7		DELAY = 15 SEC
V3	11	0'-40'	6	1,6		
	12	60'-70'	1	1,6		DELAY = 15 SEC
	61	0'-40'	6	6		
	62	0'-40'	6	6		
V4	31	0'-40'	8	3,8		
	32	60'-70'	3	3,8		DELAY = 15 SEC
	81	0'-40'	8	8		
	82	0'-40'	8	8		DELAY = 10 SEC
2A,2B			2			PED PUSHBUTTON
4A,4B			4			PED PUSHBUTTON
6A,6B			6			PED PUSHBUTTON
8A,8B			8			PED PUSHBUTTON

DETECTION NOTES:

ZONE LIMITS ARE FOR DETECTION LIMITS ONLY. ACTUAL DETECTION AREAS FOR EACH ZONE WILL BE DETERMINED IN THE FIELD.

TRAFFIC PHASING SEQUENCE





TRAFFIC SIGNAL POLE DATA

POLE NO.	POLE TYPE	MAST ARM LENGTH/ PEDESTAL HEIGHT (ft.)	TRAFFIC SIGNAL ① HEADS		TRAFFIC SIGNS ①		DETECTION ① EQUIPMENT		② LUMINAIRE ARM			FOOTING DIMENSIONS		MISCELLANEOUS	TOTAL QUANTITY
			QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	SPREAD (ft.)	MOUNTING HEIGHT (ft.)	ORIENTATION (degrees)	DIA. (ft.)	DEPTH (ft.)		
1	COMBINATION SIGNAL/LIGHTING	43	3	41,29,18	3	38,15,8	1	35	8	25	0	3.0	14		1
2	COMBINATION SIGNAL/LIGHTING	43	3	40,28,17	3	37,14,7	1	34	8	25	0	3.0	14		1
3	COMBINATION SIGNAL/LIGHTING	43	3	42,30,19	3	39,16,9	1	36	8	25	0	3.0	14		1
4	COMBINATION SIGNAL/LIGHTING	45	3	43,31,20	3	40,17,10	1	37	8	25	0	3.0	14		1
5-8	PEDESTAL	10										2.0	4		4

NOTES:

① LOCATION REPRESENTS APPROXIMATE LINEAR DISTANCE FROM POLE MEASURED OUTWARD TO END OF ARM.

② ORIENTATION OF LUMINAIRE ARM REPRESENTS A CLOCKWISE ANGLE MEASURED FROM THE CENTERLINE OF THE MAST ARM.

③ POLES SHALL BE DESIGNED AS PER THE PLANS.

④ UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS ARE TO BE ALIGNED OVER THE CENTER OF INTERSECTION APPROACH LANES. APPROXIMATE LOCATIONS ARE AS SHOWN IN THE TRAFFIC SIGNAL POLE DATA TABLE. CONTRACTOR SHALL FIELD VERIFY SIGNAL HEAD LOCATIONS.

INITIAL RECOMMENDED TIMING (SECONDS)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	20	5	10	5	20	5	10
PASSAGE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAXIMUM I	15	40	15	25	15	40	15	25
MAXIMUM II								
YELLOW CHANGE	3.3	4.1	3.0	3.4	3.3	4.1	3.0	3.4
RED CLEARANCE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
WALK		7		8		7		8
PEDESTRIAN CLEARANCE		12		16		12		17
ADDED INITIAL								
TIME TO REDUCE								
TIME BEFORE REDUCTION								
MINIMUM GAP								

WIRING LEGEND

▷	SIGNAL NUMBER
(2)	POLE NUMBER
[2]	HANDHOLE NUMBER
⟨22⟩	EXISTING DETECTOR NUMBER
(22)	PROPOSED DETECTOR NUMBER
	VIDEO DETECTION CAMERA
	TRAFFIC MONITORING CAMERA
V2	VIDEO CAMERA NUMBER
	EMERGENCY VEHICLE DETECTOR
COND	CONDUIT
PWR	POWER CABLE
LUM	LUMINAIRE (1c #8)
PB	PEDESTRIAN PUSHBUTTON (2c)
EVP	EMERGENCY VEHICLE PREEMPTION
VID	VIDEO CABLE(S)
DET	DETECTOR LEAD-IN CABLE (2c)
LOOP	LOOP WIRE
GND	GROUND WIRE (1c #6)
TR	TRACER WIRE (1c #10)
PT	PULL TAPE
FO	FIBER OPTIC CABLE

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL WIRING DIAGRAM

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Sheet N.3

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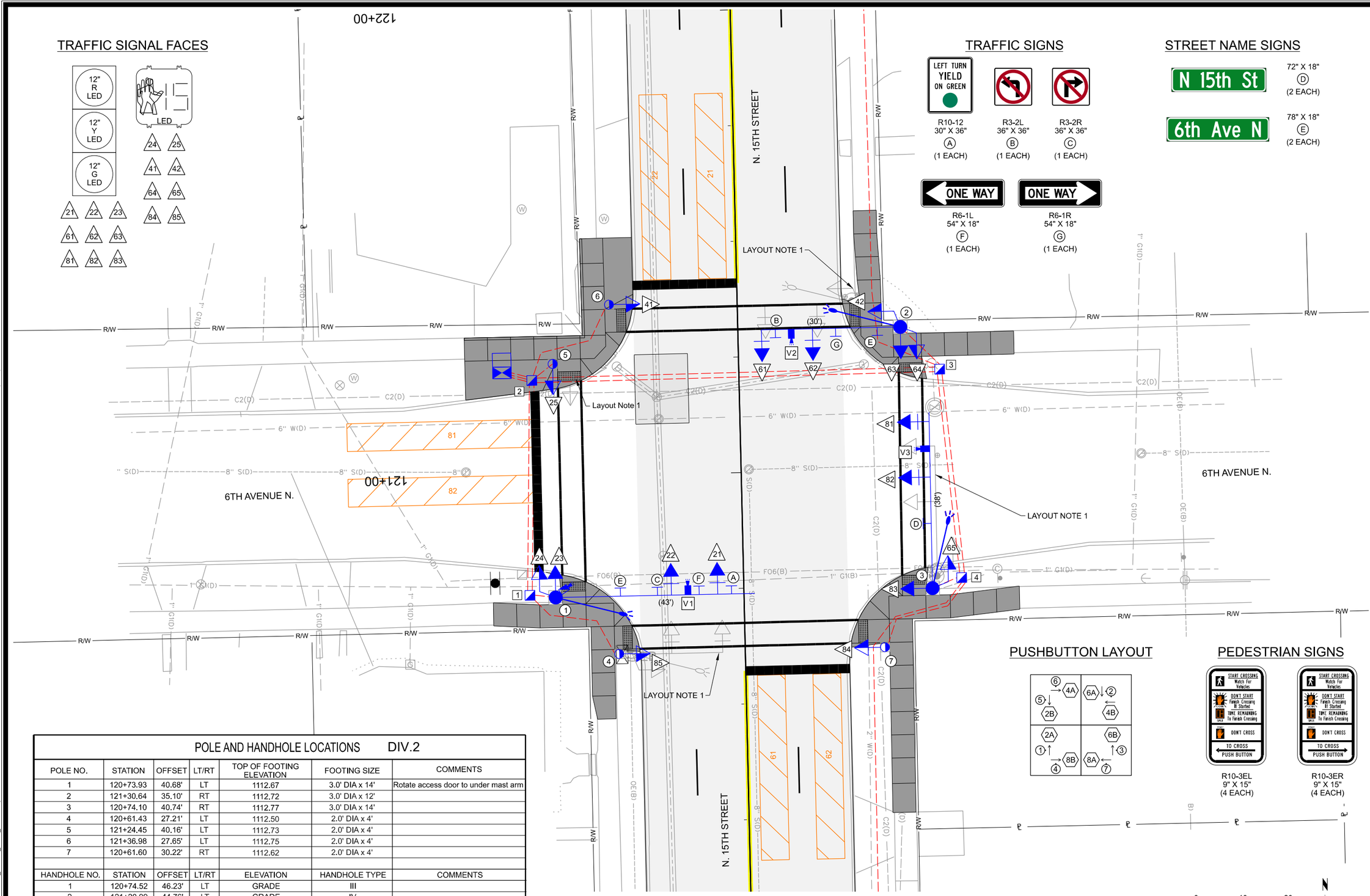

POLE AND HANDHOLE LOCATIONS DIV.2						
POLE NO.	STATION	OFFSET	LT/RT	TOP OF FOOTING ELEVATION	FOOTING SIZE	COMMENTS
1	120+73.93	40.68'	LT	1112.67	3.0' DIA x 14'	Rotate access door to under mast arm
2	121+30.64	35.10'	RT	1112.72	3.0' DIA x 12'	
3	120+74.10	40.74'	RT	1112.77	3.0' DIA x 14'	
4	120+61.43	27.21'	LT	1112.50	2.0' DIA x 4'	
5	121+24.45	40.16'	LT	1112.73	2.0' DIA x 4'	
6	121+36.98	27.65'	LT	1112.75	2.0' DIA x 4'	
7	120+61.60	30.22'	RT	1112.62	2.0' DIA x 4'	
HANDHOLE NO.	STATION	OFFSET	LT/RT	ELEVATION	HANDHOLE TYPE	COMMENTS
1	120+74.52	46.23'	LT	GRADE	III	
2	121+20.99	44.76'	LT	GRADE	IV	
3	121+21.32	43.38'	RT	GRADE	III	
4	120+76.24	47.08'	RT	GRADE	III	
CABINET	121+22.80	51.16'	LT	PER DETAIL		

LAYOUT NOTES:

1. REMOVE SIGNAL EQUIPMENT

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK		T-R-S:
Technician: JMF	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet N.4
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL LAYOUT

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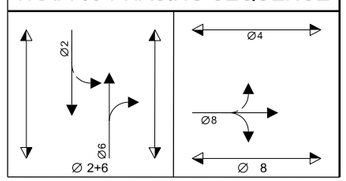
DETECTOR SUMMARY

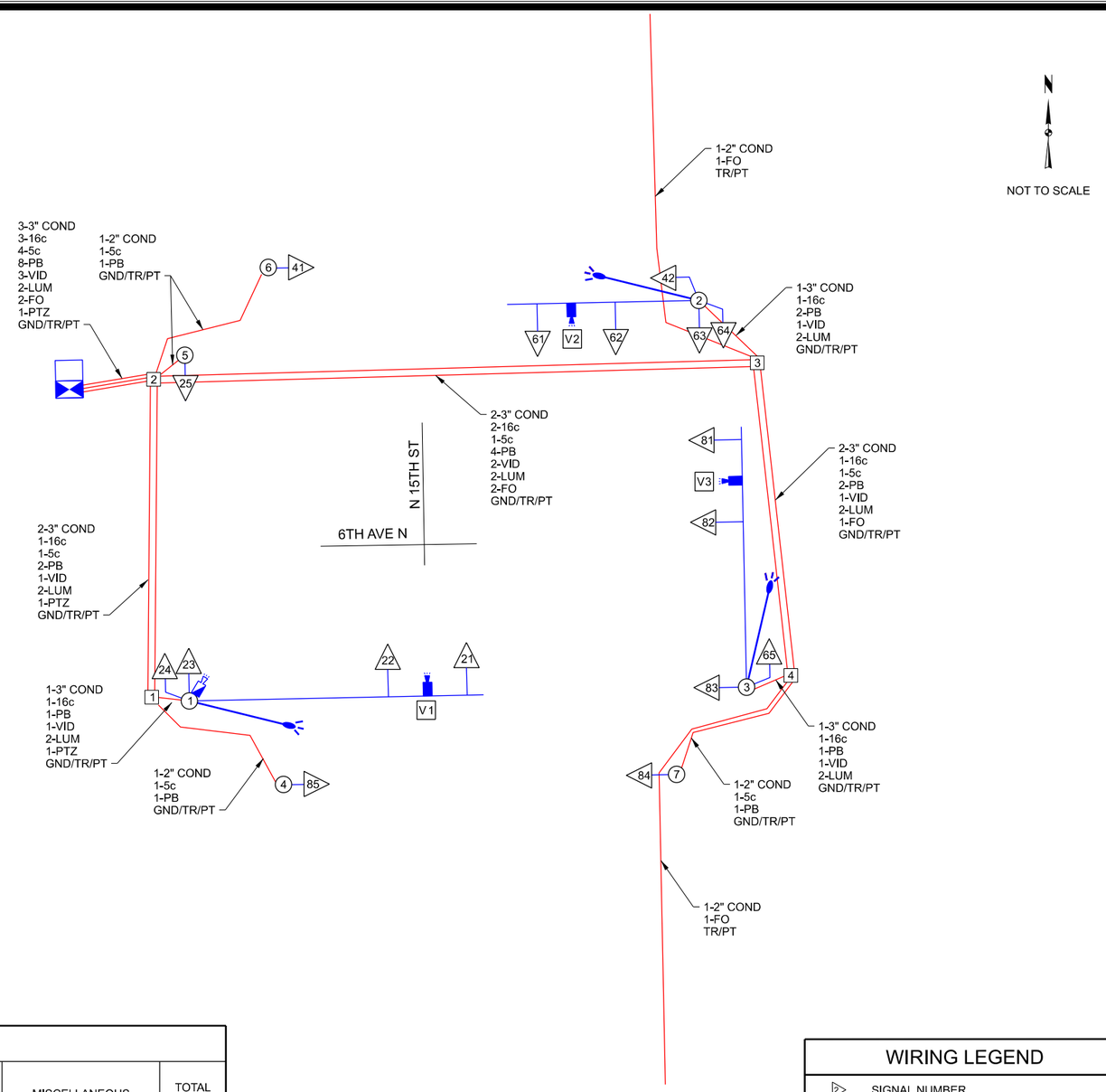
UNIT NUMBER	DETECTION ZONE	ZONE LIMITS (DISTANCE FROM STOP LINE)	PHASE CALLED	PHASE EXTENDED	DETECTOR INPUT ASSIGNMENT	COMMENTS
V1	21	0'-40'	2	2		
	22	0'-40'	2	2		
V2	61	0'-40'	6	6		
	62	0'-40'	6	6		
V3	81	0'-40'	8	8		
	82	0'-40'	8	8		DELAY=10 SEC
2A,2B			2			PED PUSHBUTTON
4A,4B			8			PED PUSHBUTTON
6A,6B			6			PED PUSHBUTTON
8A,8B			8			PED PUSHBUTTON

DETECTION NOTES:

ZONE LIMITS ARE FOR DETECTION LIMITS ONLY. ACTUAL DETECTION AREAS FOR EACH ZONE WILL BE DETERMINED IN THE FIELD.

TRAFFIC PHASING SEQUENCE





TRAFFIC SIGNAL POLE DATA

POLE NO.	POLE TYPE	MAST ARM LENGTH/ PEDESTAL HEIGHT (ft.)	TRAFFIC SIGNAL ① HEADS		TRAFFIC SIGNS ①		① DETECTION EQUIPMENT		② LUMINAIRE ARM			FOOTING DIMENSIONS		MISCELLANEOUS	TOTAL QUANTITY
			QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	SPREAD (ft.)	MOUNTING HEIGHT (ft.)	ORIENTATION (degrees)	DIA. (ft.)	DEPTH (ft.)		
1	COMBINATION SIGNAL/LIGHTING	43	2	35,25	4	38,31,22,14	1	30	8	25	0	3.0	14		1
2	COMBINATION SIGNAL/LIGHTING	30	2	30,19	3	27,13,5	1	24	8	25	0	3.0	12		1
3	COMBINATION SIGNAL/LIGHTING	38	2	36,24	1	14	1	30	8	25	0	3.0	14		1
4-7	PEDESTAL	10										2.0	4		4

NOTES:

① LOCATION REPRESENTS APPROXIMATE LINEAR DISTANCE FROM POLE MEASURED OUTWARD TO END OF ARM.

② ORIENTATION OF LUMINAIRE ARM REPRESENTS A CLOCKWISE ANGLE MEASURED FROM THE CENTERLINE OF THE MAST ARM.

③ POLES SHALL BE DESIGNED AS PER THE PLANS.

④ UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS ARE TO BE ALIGNED OVER THE CENTER OF INTERSECTION APPROACH LANES. APPROXIMATE LOCATIONS ARE AS SHOWN IN THE TRAFFIC SIGNAL POLE DATA TABLE. CONTRACTOR SHALL FIELD VERIFY SIGNAL HEAD LOCATIONS.

INITIAL RECOMMENDED TIMING (SECONDS)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN		20				20		10
PASSAGE		3.0				3.0		3.0
MAXIMUM I		40				40		25
MAXIMUM II								
YELLOW CHANGE		4.1				4.1		2.4
RED CLEARANCE		2.1				2.1		1.4
WALK		7		7		7		7
PEDESTRIAN CLEARANCE		7		13		7		10
ADDED INITIAL								
TIME TO REDUCE								
TIME BEFORE REDUCTION								
MINIMUM GAP								

WIRING LEGEND

▷2	SIGNAL NUMBER
(2)	POLE NUMBER
[2]	HANDHOLE NUMBER
⟨22⟩	EXISTING DETECTOR NUMBER
(22)	PROPOSED DETECTOR NUMBER
	VIDEO DETECTION CAMERA
	TRAFFIC MONITORING CAMERA
V2	VIDEO CAMERA NUMBER
	EMERGENCY VEHICLE DETECTOR
COND	CONDUIT
PWR	POWER CABLE
LUM	LUMINAIRE (1c #8)
PB	PEDESTRIAN PUSHBUTTON (2c)
EVP	EMERGENCY VEHICLE PREEMPTION
VID	VIDEO CABLE(S)
DET	DETECTOR LEAD-IN CABLE (2c)
LOOP	LOOP WIRE
GND	GROUND WIRE (1c #6)
TR	TRACER WIRE (1c #10)
PT	PULL TAPE
FO	FIBER OPTIC CABLE

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet N.5
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL WIRING DIAGRAM

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet N.5

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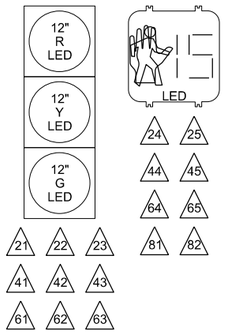
TRAFFIC SIGNAL FACES



TRAFFIC SIGNS

R10-12
30" X 36"
(A)
(1 EACH)

R3-2L
36" X 36"
(B)
(1 EACH)

R3-2R
36" X 36"
(C)
(1 EACH)

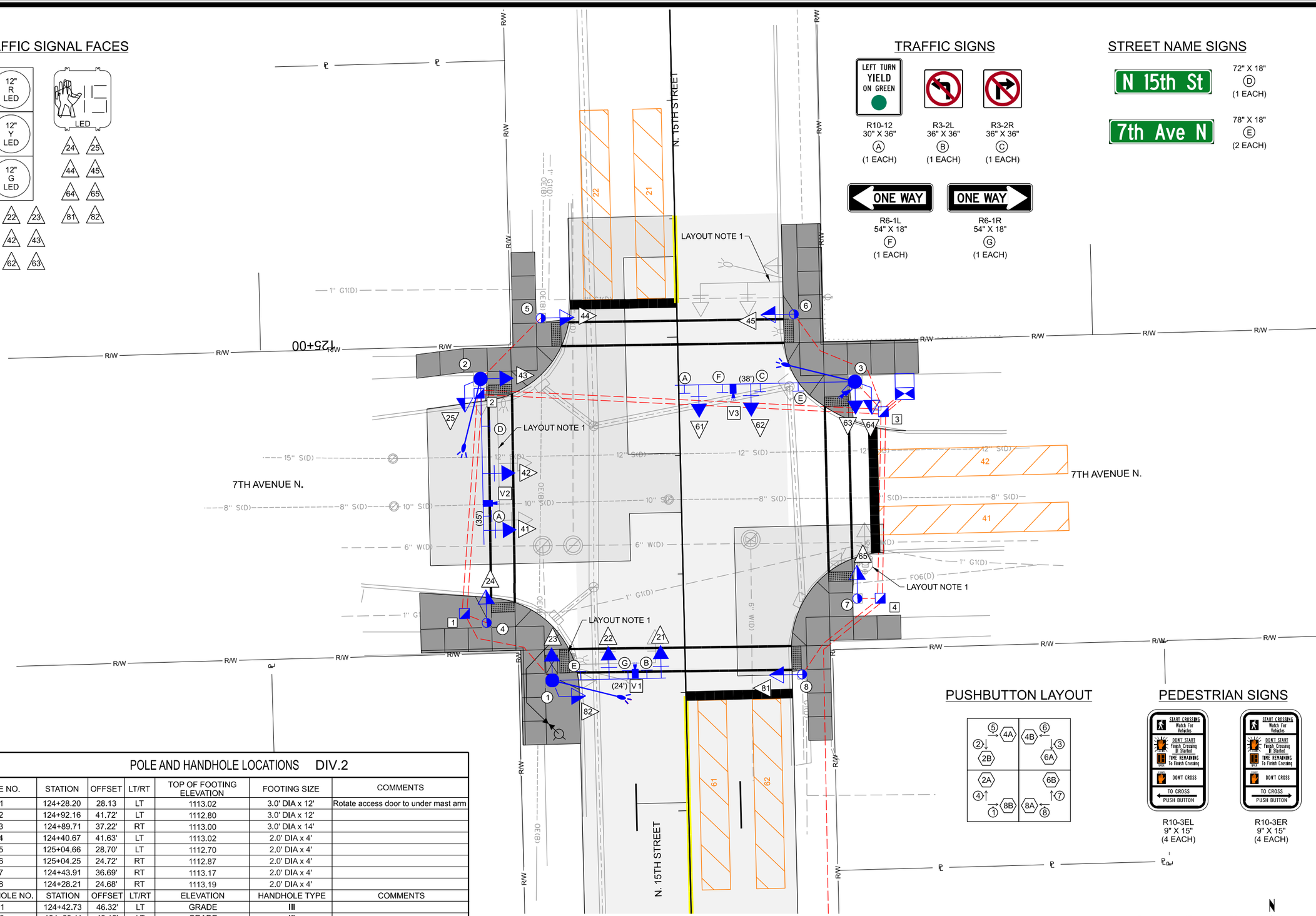
R6-1L
54" X 18"
(F)
(1 EACH)

R6-1R
54" X 18"
(G)
(1 EACH)

STREET NAME SIGNS

72" X 18"
(D)
(1 EACH)

78" X 18"
(E)
(2 EACH)



POLE AND HANDHOLE LOCATIONS DIV.2						
POLE NO.	STATION	OFFSET	LT/RT	TOP OF FOOTING ELEVATION	FOOTING SIZE	COMMENTS
1	124+28.20	28.13	LT	1113.02	3.0' DIA x 12'	Rotate access door to under mast arm
2	124+92.16	41.72'	LT	1112.80	3.0' DIA x 12'	
3	124+89.71	37.22'	RT	1113.00	3.0' DIA x 14'	
4	124+40.67	41.63'	LT	1113.02	2.0' DIA x 4'	
5	125+04.66	28.70'	LT	1112.70	2.0' DIA x 4'	
6	125+04.25	24.72'	RT	1112.87	2.0' DIA x 4'	
7	124+43.91	36.69'	RT	1113.17	2.0' DIA x 4'	
8	124+28.21	24.68'	RT	1113.19	2.0' DIA x 4'	
HANDHOLE NO.	STATION	OFFSET	LT/RT	ELEVATION	HANDHOLE TYPE	COMMENTS
1	124+42.73	46.32'	LT	GRADE	III	
2	124+89.11	42.12'	LT	GRADE	III	
3	124+83.21	43.08'	RT	GRADE	IV	
4	124+43.85	41.48'	RT	GRADE	III	
CABINET	124+86.93	47.69'	RT	PER DETAIL		

LAYOUT NOTES:

1. REMOVE SIGNAL EQUIPMENT

PUSHBUTTON LAYOUT

PEDESTRIAN SIGNS

R10-3EL
9" X 15"
(4 EACH)

R10-3ER
9" X 15"
(4 EACH)

0 10 20
FEET

N

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet N.6

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL LAYOUT

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet N.6

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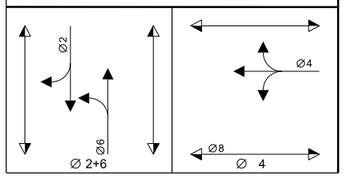
DETECTOR SUMMARY

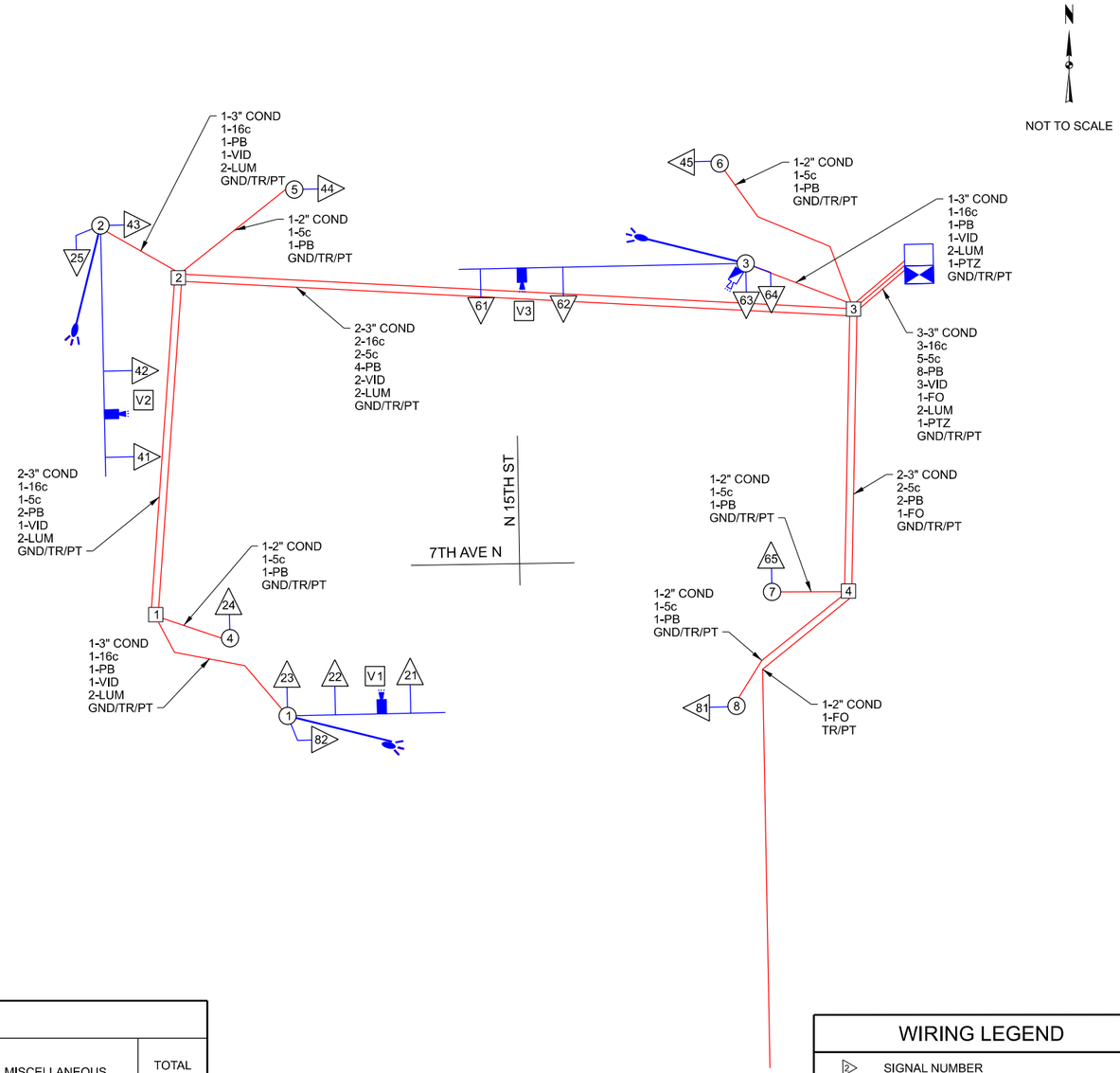
UNIT NUMBER	DETECTION ZONE	ZONE LIMITS (DISTANCE FROM STOP LINE)	PHASE CALLED	PHASE EXTENDED	DETECTOR INPUT ASSIGNMENT	COMMENTS
V1	21	0'-40'	2	2		
	22	0'-40'	2	2		
V2	41	0'-40'	4	4		
	42	0'-40'	4	4		DELAY=10 SEC
V3	61	0'-40'	6	6		
	62	0'-40'	6	6		
2A,2B			2			PED PUSHBUTTON
4A,4B			4			PED PUSHBUTTON
6A,6B			6			PED PUSHBUTTON
8A,8B			4			PED PUSHBUTTON

DETECTION NOTES:

ZONE LIMITS ARE FOR DETECTION LIMITS ONLY. ACTUAL DETECTION AREAS FOR EACH ZONE WILL BE DETERMINED IN THE FIELD.

TRAFFIC PHASING SEQUENCE





TRAFFIC SIGNAL POLE DATA

POLE NO.	POLE TYPE	MAST ARM LENGTH/ PEDESTAL HEIGHT (ft.)	TRAFFIC SIGNAL ① HEADS		TRAFFIC SIGNS ①		DETECTION ① EQUIPMENT		② LUMINAIRE ARM			FOOTING DIMENSIONS		MISCELLANEOUS	TOTAL QUANTITY
			QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	QTY.	LOCATION ON ARM (ft.)	SPREAD (ft.)	MOUNTING HEIGHT (ft.)	ORIENTATION (degrees)	DIA. (ft.)	DEPTH (ft.)		
1	COMBINATION SIGNAL/LIGHTING	24	2	23,12	3	20,16,6	1	18	8	25	0	3.0	12		1
2	COMBINATION SIGNAL/LIGHTING	35	2	32,20	1	10	1	26	8	25	0	3.0	12		1
3	COMBINATION SIGNAL/LIGHTING	38	2	33,22	4	36,28,20,12	1	26	8	25	0	3.0	14		1
4-8	PEDESTAL	10										2.0	4		5

NOTES:

① LOCATION REPRESENTS APPROXIMATE LINEAR DISTANCE FROM POLE MEASURED OUTWARD TO END OF ARM.

② ORIENTATION OF LUMINAIRE ARM REPRESENTS A CLOCKWISE ANGLE MEASURED FROM THE CENTERLINE OF THE MAST ARM.

③ POLES SHALL BE DESIGNED AS PER THE PLANS.

④ UNLESS OTHERWISE DIRECTED, TRAFFIC SIGNAL HEADS ON MAST ARMS ARE TO BE ALIGNED OVER THE CENTER OF INTERSECTION APPROACH LANES. APPROXIMATE LOCATIONS ARE AS SHOWN IN THE TRAFFIC SIGNAL POLE DATA TABLE. CONTRACTOR SHALL FIELD VERIFY SIGNAL HEAD LOCATIONS.

INITIAL RECOMMENDED TIMING (SECONDS)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN		20		10		20		
PASSAGE		3.0		3.0		3.0		
MAXIMUM I		40		25		40		
MAXIMUM II								
YELLOW CHANGE		4.1		3.4		4.1		
RED CLEARANCE		1.9		1.4		1.9		
WALK		7		7		7		7
PEDESTRIAN CLEARANCE		13		14		10		14
ADDED INITIAL								
TIME TO REDUCE								
TIME BEFORE REDUCTION								
MINIMUM GAP								

WIRING LEGEND

▷	SIGNAL NUMBER
(2)	POLE NUMBER
[2]	HANDHOLE NUMBER
◁21▷	EXISTING DETECTOR NUMBER
◁22▷	PROPOSED DETECTOR NUMBER
	VIDEO DETECTION CAMERA
	TRAFFIC MONITORING CAMERA
V2	VIDEO CAMERA NUMBER
	EMERGENCY VEHICLE DETECTOR
COND	CONDUIT
PWR	POWER CABLE
LUM	LUMINAIRE (1c #8)
PB	PEDESTRIAN PUSHBUTTON (2c)
EVP	EMERGENCY VEHICLE PREEMPTION
VID	VIDEO CABLE(S)
DET	DETECTOR LEAD-IN CABLE (2c)
LOOP	LOOP WIRE
GND	GROUND WIRE (1c #6)
TR	TRACER WIRE (1c #10)
PT	PULL TAPE
FO	FIBER OPTIC CABLE

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet N.7
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL WIRING DIAGRAM

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

Sheet N.7

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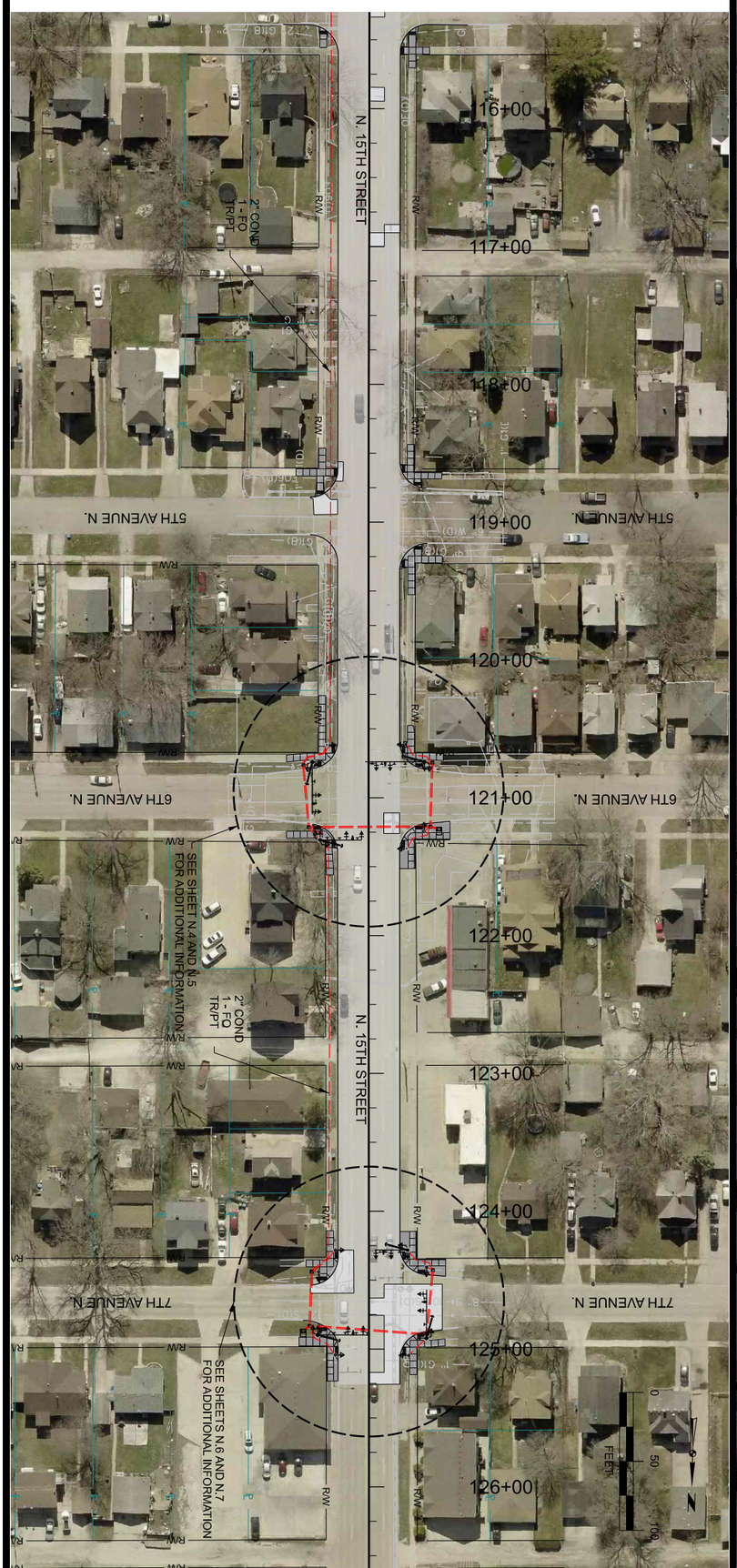

FIBER OPTIC NOTES:

1. COIL AT LEAST 50FT OF FIBER OPTIC CABLE WITHIN EACH EXISTING AND PROPOSED HANDHOLE ENCOUNTERED.
2. CONNECT NEW CONDUIT TO EXISTING HANDHOLE. ROUTE NEW FIBER OPTIC CABLE THROUGH EXISTING CONDUIT TO THE 15TH STREET CONTROLLER CABINET. INSTALL NEW CABINET, ORANGE FIBERS WITHIN CENTRAL AVENUE CABINET AND INSTALL JUMPERS BETWEEN TERMINATIONS AND EXISTING SWITCH (BLUE AND ORANGE FIBERS).
3. TERMINATE ALL ORANGE TUBE FIBERS WITHIN EACH NEW CABINET FOR EACH FIBER OPTIC CABLE. INSTALL JUMPERS BETWEEN TERMINATIONS AND NEW SWITCH (BLUE AND ORANGE FIBERS) IN CABINETS. ALL CABLES.
4. INSTALL HANDHOLE AT 4TH AVENUE N INTERSECTION.
5. CONTRACTOR IS REQUIRED TO WORK WITH CITY STAFF TO CONFIRM TRAFFIC MONITORING CAMERA AT 20TH AVENUE N IS FULLY OPERATIONAL, HIGH QUALITY VIDEO AND ADJUSTING CAMERA, AT CITY FACILITIES OVER THE FIBER OPTIC NETWORK.

SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

TRAFFIC SIGNAL FIBER OPTIC LAYOUT

CITY OF FORT DODGE, IOWA

MARK	REVISION	DATE	BY

Engineer: TDK | Checked By: TDK
Technician: JMF | Date: 2/24/2026 | T-R-S:
STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet N.8

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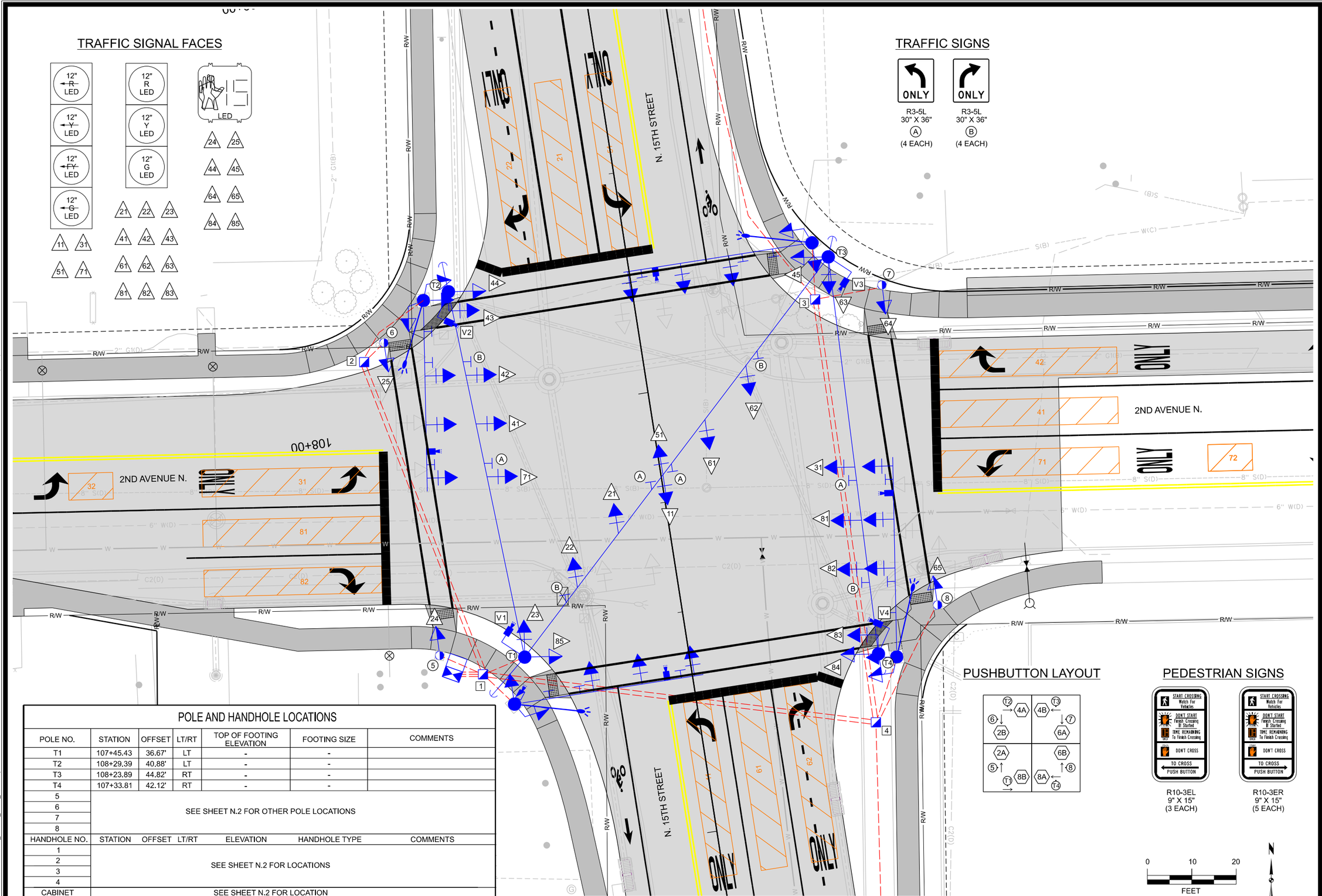
Project No: 124.0890.01
Sheet N.8



POLE AND HANDHOLE LOCATIONS

POLE NO.	STATION	OFFSET	LT/RT	TOP OF FOOTING ELEVATION	FOOTING SIZE	COMMENTS
T1	107+45.43	36.67'	LT	-	-	
T2	108+29.39	40.88'	LT	-	-	
T3	108+23.89	44.82'	RT	-	-	
T4	107+33.81	42.12'	RT	-	-	
5	SEE SHEET N.2 FOR OTHER POLE LOCATIONS					
6						
7						
8						

HANDHOLE NO.	STATION	OFFSET	LT/RT	ELEVATION	HANDHOLE TYPE	COMMENTS
1	SEE SHEET N.2 FOR LOCATIONS					
2						
3						
4						
CABINET	SEE SHEET N.2 FOR LOCATION					

TEMPORARY SIGNAL NOTES:

1. FIELD VERIFY TEMPROARY POLE LOCATIONS ARE CLEAR OF CONFLICTS, UTILITY AND PROPOSED MAST ARMS.

PUSHBUTTON LAYOUT

PEDESTRIAN SIGNS

R10-3EL
9" X 15"
(3 EACH)

R10-3ER
9" X 15"
(5 EACH)

0 10 20
FEET

N

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/24/2026		
	IDOT# STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet N.9

N. 15TH STREET IMPROVEMENTS

TEMPORARY SIGNAL LAYOUT

FORT DODGE, IOWA

STP-U-2690(643)--70-94

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Project No: 124.0890.01

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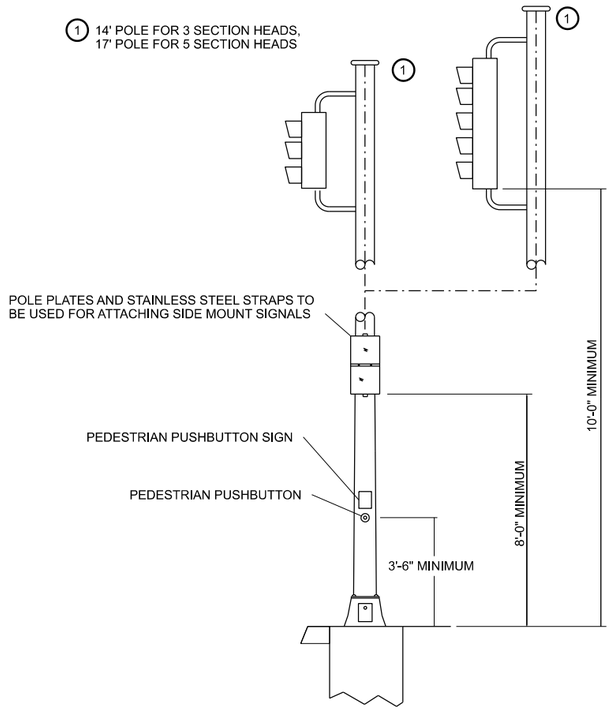
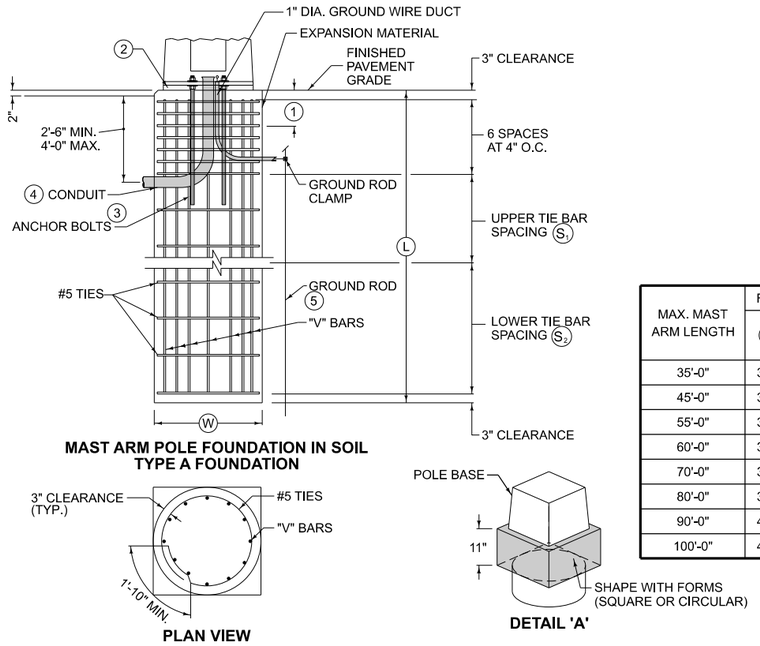


1 N.10 PEDESTAL POLE
NO SCALE

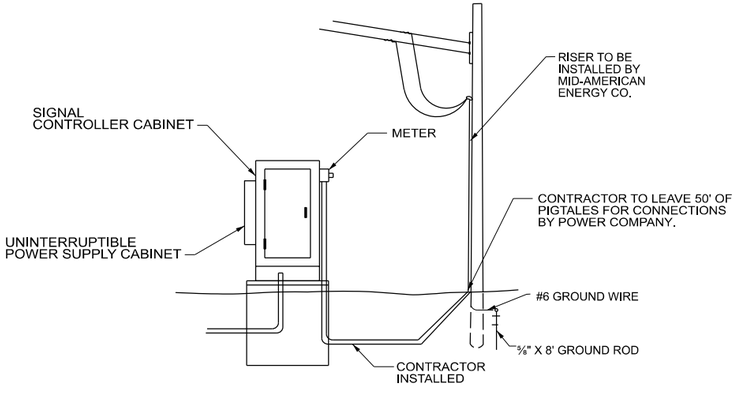


THE TYPE A FOUNDATION IS THE NORMALLY REQUIRED FOUNDATION CONSTRUCTION. WHERE ROCK IS ENCOUNTERED, THE ENGINEER MAY APPROVE THE USE OF THE TYPE B OR C FOUNDATION. PRIOR TO INSTALLING A FOUNDATION IN ROCK, OBTAIN A SUBSURFACE INVESTIGATION CERTIFIED BY A GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF IOWA.

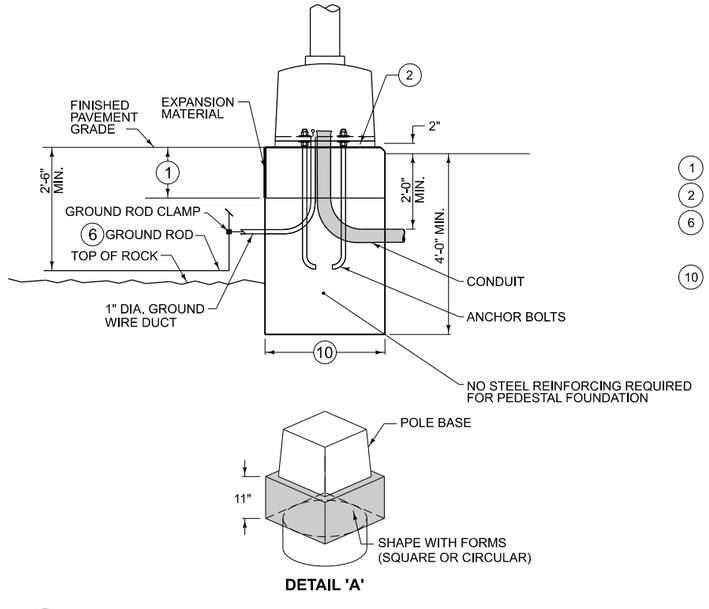
1. SHAPE TOP 11 INCHES WITH FORMS. SEE DETAIL 'A'.
2. INSTALL RODENT GUARD OR NON-SHRINK GROUT WITH WEEP HOLE.
3. FURNISH NUT, NUT AND PLATE, OR NUT AND ANCHOR BOLT ASSEMBLY RING PLATE ON EMBEDDED END.
4. PROVIDE CONDUITS AS PER PLANS.
5. INSTALL GROUND ROD ADJACENT TO FOUNDATION OR IN ADJACENT HANDHOLE.

MAX. MAST ARM LENGTH	FOUNDATION		"V" BARS			TIE BARS				
	W	L	COUNT	SIZE	LENGTH	COUNT	UPPER SPACING		LOWER SPACING	
							# SPACES	S_1	# SPACES	S_2
35'-0"	3'-0"	12'-0"	12	#8	11'-6"	17	9	12"	N/A	N/A
45'-0"	3'-0"	14'-0"	12	#8	13'-6"	19	11	12"	N/A	N/A
55'-0"	3'-0"	16'-0"	12	#8	15'-6"	25	12	8"	5	12"
60'-0"	3'-0"	18'-0"	13	#8	17'-6"	28	15	8"	5	12"
70'-0"	3'-6"	18'-0"	12	#10	17'-6"	28	15	8"	5	12"
80'-0"	3'-6"	21'-0"	14	#10	20'-6"	40	28	6"	4	12"
90'-0"	4'-0"	22'-0"	16	#10	21'-6"	42	24	6"	10	8"
100'-0"	4'-0"	24'-0"	18	#10	23'-6"	47	32	6"	7	8"

2 N.10 MAST ARM POLE FOUNDATION - TS-102, SHEET 1
NO SCALE



3 N.10 POWER SERVICE
NO SCALE



1. SHAPE TOP 11 INCHES WITH FORMS. SEE DETAIL 'A'.
2. INSTALL RODENT GUARD OR NON-SHRINK GROUT WITH WEEP HOLE.
6. WHEN IN CONTACT WITH ROCK, PLACE GROUND RODS AS SPECIFIED IN NATIONAL ELECTRICAL CODE, CURRENT EDITION, ADJACENT TO FOUNDATION OR IN ADJACENT HANDHOLE.
10. 12 TO 24 INCH DIAMETER AS SHOWN IN CONTRACT DOCUMENTS.

4 N.10 PEDESTAL POLE FOUNDATION - TS-102, SHEET 4
NO SCALE

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK		T-R-S:
Technician: JMF	Date: 2/24/2026		
STP-U-2690(643)--70-94			
Project No: 124.0890.01			

Sheet N.10

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet N.10

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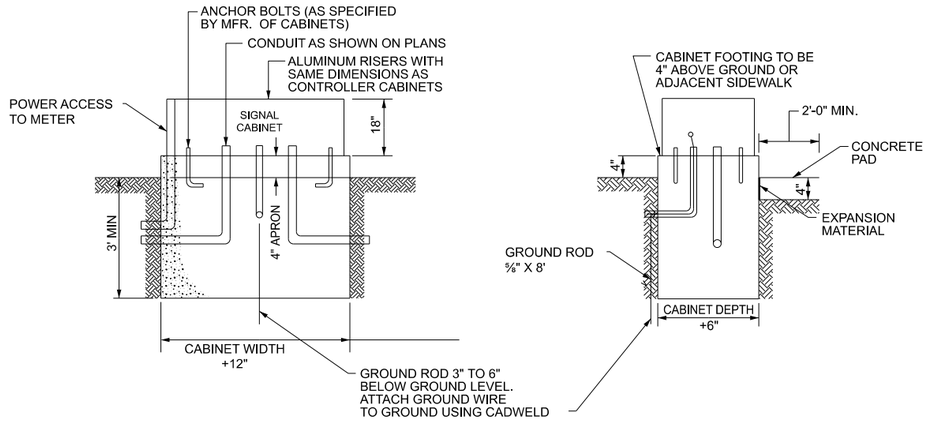
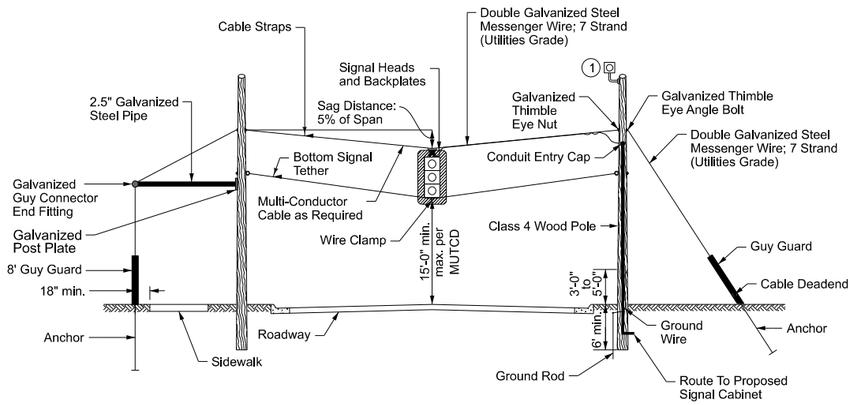
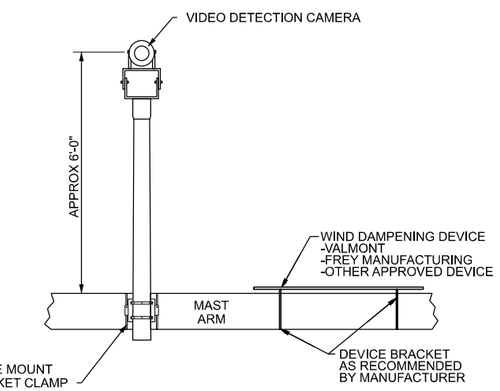


CONNECT SIGNAL CABINET FOOTING TO LIGHTING CONTROL STATION FOOTING WITH 2" CONDUIT.

1 N.11 CONTROLLER CABINET FOOTING
NO SCALE



2 N.11 WOOD POST SPAN ASSEMBLY
NO SCALE



3 N.11 VIDEO DETECTION CAMERA MOUNTING AND WIND DAMPER
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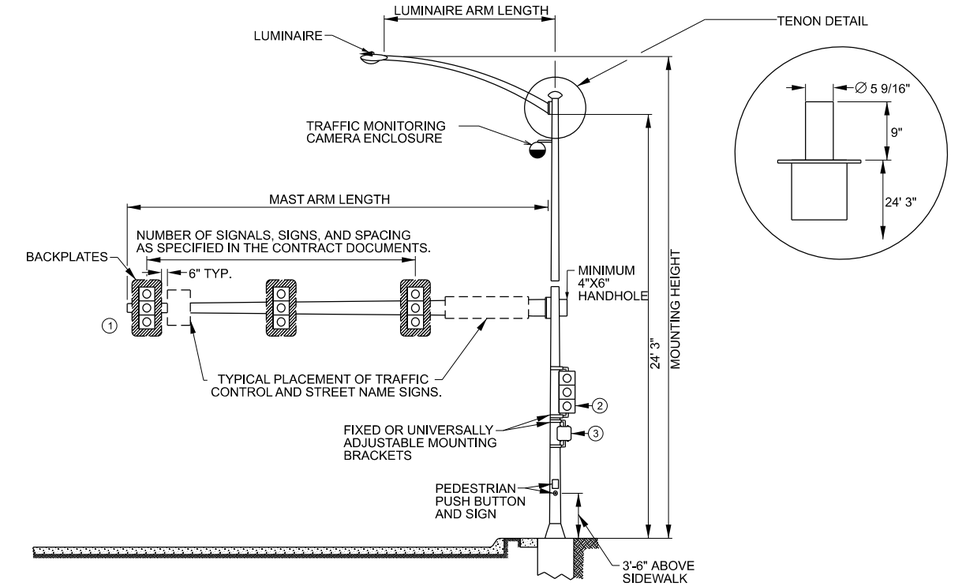

4 N.11 STEEL ARM POLE DETAIL
NO SCALE

1. ENSURE THE TOP OF THE SIGNAL HOUSING IS NO MORE THAN 25.6 FEET ABOVE THE PAVEMENT. ENSURE THE BOTTOM OF THE SIGNAL HOUSING AND RELATED ATTACHMENTS ARE AT LEAST 15 FEET ABOVE THE PAVEMENT.
2. ENSURE THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) THAT IS NOT LOCATED OVER A ROADWAY IS A MINIMUM OF 8 FEET AND A MAXIMUM OF 19 FEET ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. MOUNT PEDESTRIAN SIGNAL HEADS WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NO LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE THE SIDEWALK LEVEL. POSITION AND ADJUST HEADS TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.

MARK	REVISION	DATE	BY
Engineer: TDK	Checked By: TDK	T-R-S:	
Technician: JMF	Date: 2/24/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet N.11

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

TRAFFIC SIGNAL DETAILS

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Project No: 124.0890.01

Sheet N.11

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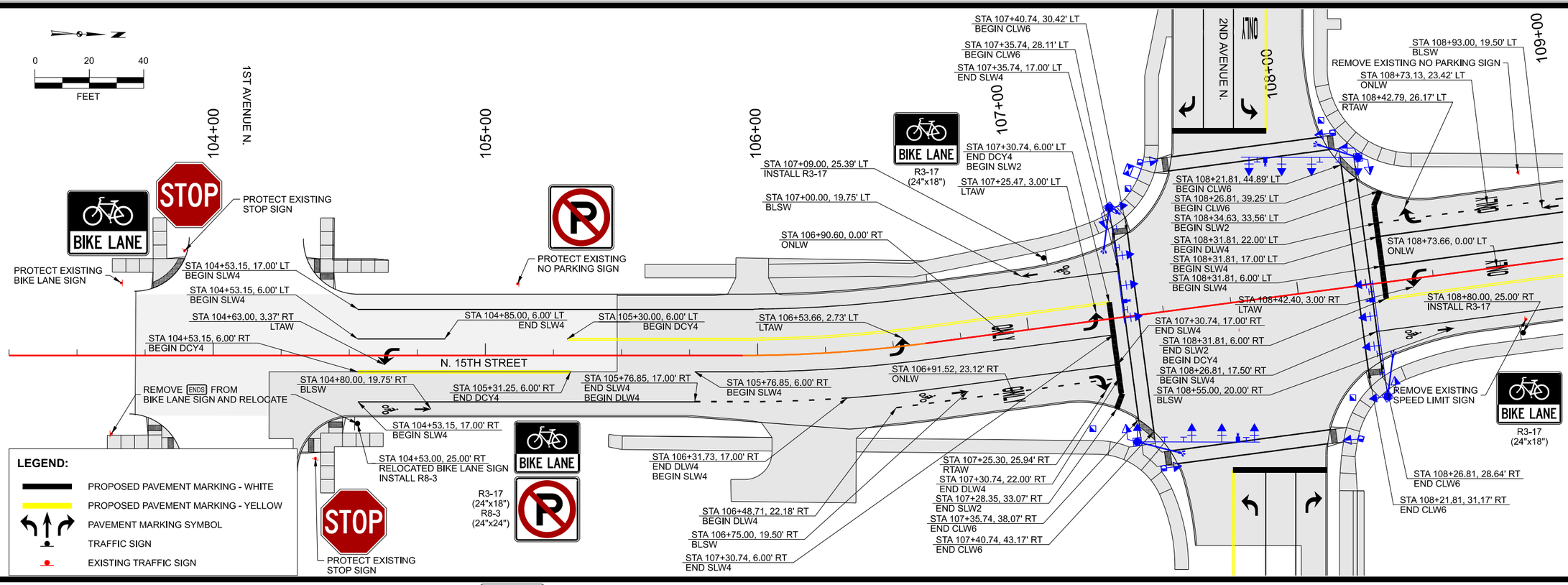

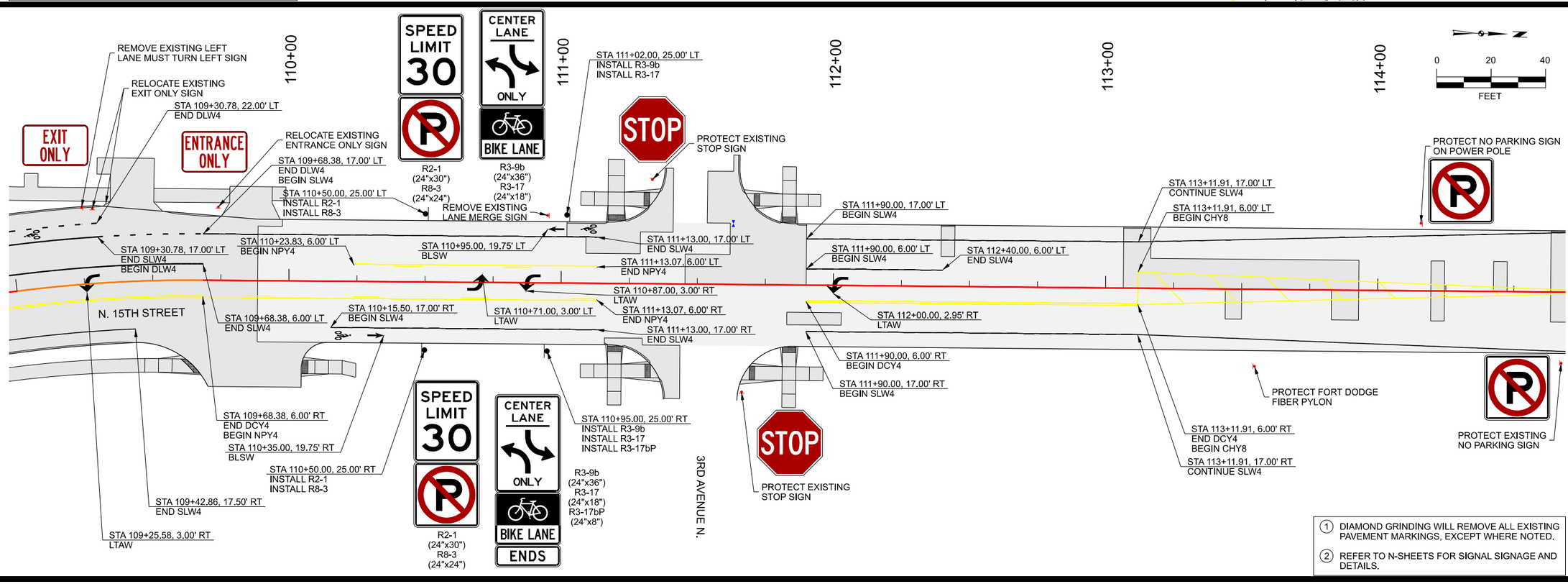

1. DIAMOND GRINDING WILL REMOVE ALL EXISTING PAVEMENT MARKINGS, EXCEPT WHERE NOTED.
2. REFER TO N-SHEETS FOR SIGNAL SIGNAGE AND DETAILS.

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet PM.1
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

PAVEMENT MARKINGS

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Project No: 124.0890.01

Sheet PM.1

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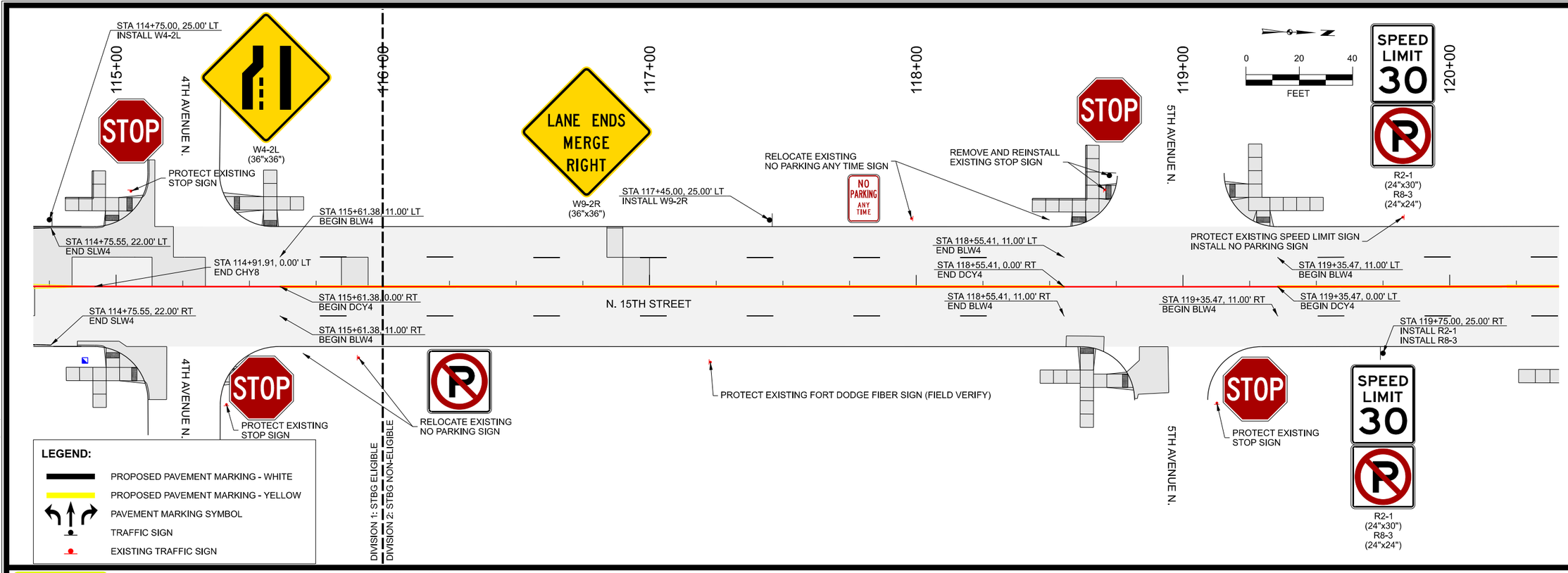

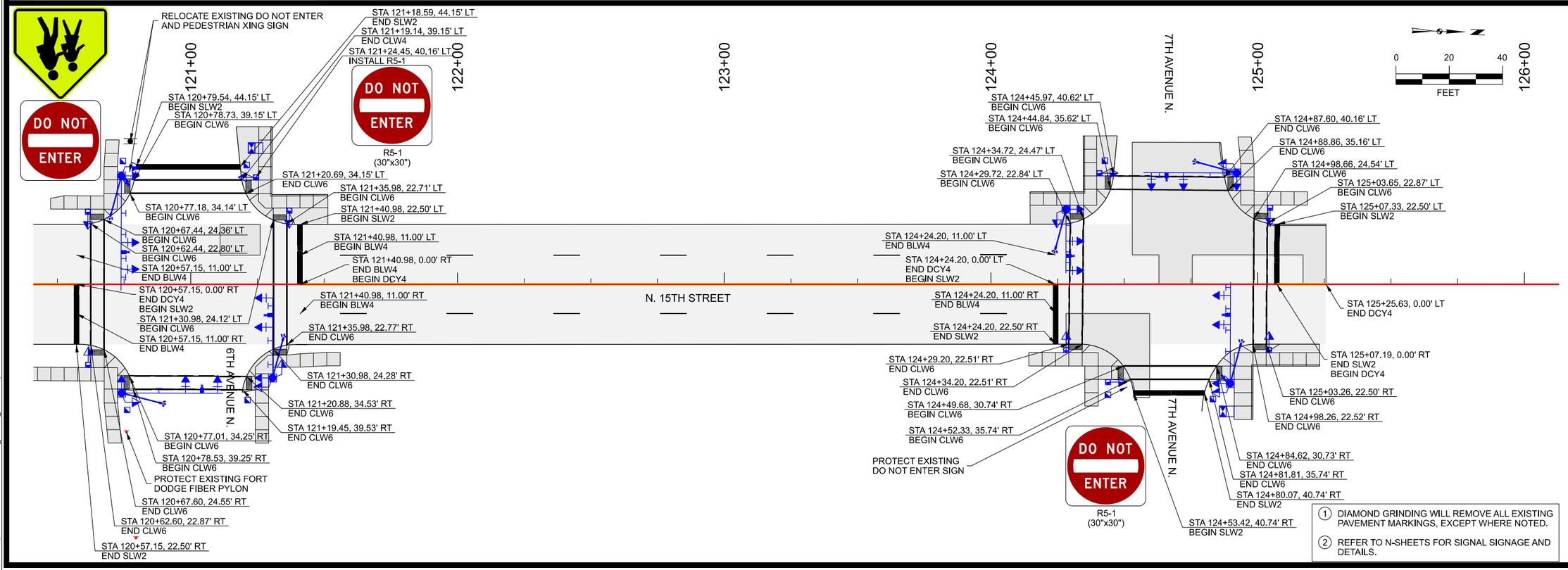

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet PM.2
Project No: 124.0890.01			

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

PAVEMENT MARKINGS

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Project No: 124.0890.01

Sheet PM.2

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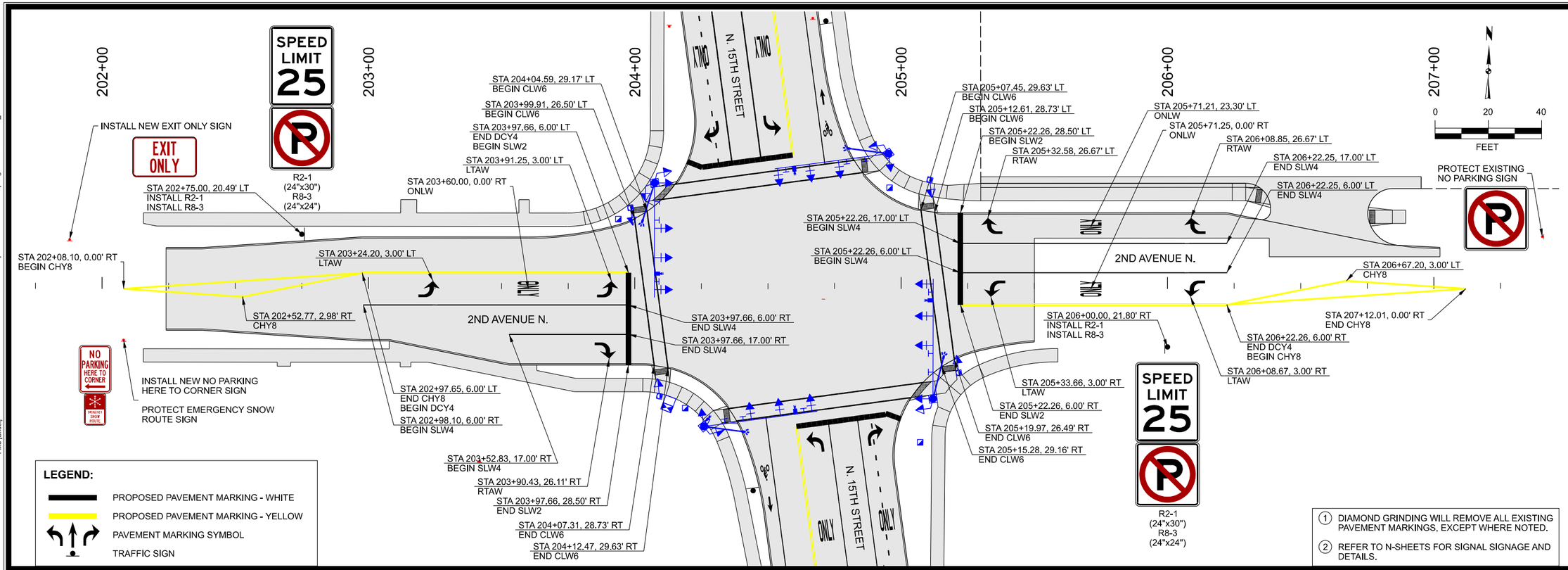

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet PM.3

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

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SNYDER & ASSOCIATES, INC.

N. 15TH STREET IMPROVEMENTS

PAVEMENT MARKINGS

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet PM.3

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POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
6. Is familiar with the Project PPP and storm water site map.
7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
8. Is signature authority on Notice of Discontinuation.
9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
10. Makes information to determine permit compliance available to the DNR upon their request.

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POLLUTION PREVENTION PLAN

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of N 15th Street Corridor Improvements.
B. This PPP covers approximately 5 acres with an estimated 2 acres being disturbed. The portion of the PPP covered by this contract has 2 acres disturbed.
C. The PPP is located in an area of Clarion - Nocollete - Webster soil association (Type B)
The estimated weighted average runoff coefficient number for this PPP after completion will be 0.85.
D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns – Plan and Profile sheets and Situation plans.
2. Proposed Slopes – Cross Sections.
3. Areas of Soil Disturbance – Construction limits shown on Plan and Profile sheets.
4. Location of Structural Controls – Tabulations in RC sheets.
5. Locations of Non-structural Controls – Tabulations in RC sheets.
6. Locations of Stabilization Practices – Generally within construction limits shown on Plan and Profile sheets.
7. Surface Waters (including wetlands) – Project Location Map and Plan and Profile sheets.
8. Locations where Storm Water is Discharged – Plan and Profile sheets.
E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.
F. Runoff from this work will flow into Soldier Creek.

III. CONTROLS

A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
B. Preserve vegetation in areas not needed for construction.
C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
1. EROSION AND SEDIMENT CONTROLS
a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		

STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet RC.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SEDIMENT CONTROL QUANTITIES TABULATIONS

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

Sheet RC.1

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POLLUTION PREVENTION PLAN

discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.

2) Structural practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.

c. Storm Water Management

Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.

2. OTHER CONTROLS

Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply.

a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.

b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.

c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.

d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.

e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.

f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.

g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.

h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.

i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.

j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS

During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:

1. Date of the inspection.

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POLLUTION PREVENTION PLAN

2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construcion. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries – This contains the inspector's daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Austin Morrow

Signature

Austin Morrow, City of Fort Dodge

Printed or Typed Name

Jordan Stoermer

Signature

Jordan Stoermer, Snyder & Assoc., Inc.

Printed or Typed Name

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet RC.2
	Project No: 124.0890.01		

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CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SEDIMENT CONTROL QUANTITIES TABULATIONS

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Project No: 124.0890.01

Sheet RC.2

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4/16/24

EROSION CONTROL FOR INTAKE OR MANHOLE WELL

Possible Standard Road Plan : EC-603

Location Station	Side	Cover Assembly Type	Quantity (EA)	Remarks
106+47.56	Right	Installation	1	
106+93.48	Left	Installation	1	
107+03.00	Right	Installation	1	
107+46.97	Right	Installation	1	
107+57.00	Left	Installation	1	
108+06.42	Left	Installation	1	
108+06.42	Right	Installation	1	
109+38.64	Right	Installation	1	
109+70.29	Left	Installation	1	
109+71.30	Left	Installation	1	
202+31.65	Left	Installation	1	
202+31.65	Right	Installation	1	
203+58.86	Right	Installation	1	OFFSET = 28.5'
203+58.86	Right	Installation	1	
205+22.26	Left	Installation	1	
205+33.00	Right	Installation	1	
+.00		Installation	16	Installation Total
+.00		Maintenance	32	Maintenance Total
+.00		Removal	16	Removal Total

100_19
10/15/24

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

Possible Standards: EC-204

Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
103+53.06	103+90.81	Left	Perimeter and Slope	12 inch	48.40	
103+51.19	103+88.37	Right	Perimeter and Slope	12 inch	39.30	
104+33.84	107+34.84	Left	Perimeter and Slope	12 inch	211.20	
104+31.50	107+34.85	Right	Perimeter and Slope	12 inch	269.60	
108+27.64	109+97.47	Left	Perimeter and Slope	12 inch	135.40	
108+27.64	110+21.04	Right	Perimeter and Slope	12 inch	158.30	
202+24.04	203+98.76	Left	Perimeter and Slope	12 inch	175.60	
202+24.03	204+34.17	Right	Perimeter and Slope	12 inch	170.80	
204+86.59	207+02.26	Left	Perimeter and Slope	12 inch	179.70	
205+20.86	205+58.83	Right	Perimeter and Slope	12 inch	38.80	
+.00					1427.10	SUBTOTAL
+.00					214.10	+15%
+.00					1641.20	TOTAL

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8/15/22

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Line No.	Station	Side	Installation (LF)	Maintenance (Each)	Removal (Each)	Remarks
1.0	202+31.65	Right	5.0	2	1.0	DIV. 1
2.0	202+31.66	Left	5.0	2	1.0	DIV. 1
3.0	111+12.41	Right	5.0	2	1.0	DIV. 1
4.0	111+12.24	Left	5.0	2	1.0	DIV. 1
5.0	114+89.68	Right	5.0	2	1.0	DIV. 1
6.0	114+90.37	Left	4.0	2	1.0	DIV. 1
7.0	118+77.66	Right	5.0	2	1.0	DIV. 2
8.0	118+69.23	Left	6.0	2	1.0	DIV. 2
9.0	119+17.81	Right	10.0	2	1.0	DIV. 2
10.0	119+21.72	Left	6.0	2	1.0	DIV. 2
11.0	121+24.47	Right	6.0	2	1.0	DIV. 2
12.0	121+25.06	Left	6.0	2	1.0	DIV. 2
13.0	124+43.29	Right	5.0	2	1.0	DIV. 2
14.0	124+90.15	Right	6.0	2	1.0	DIV. 2
15.0	+.00		29.0	12	6.0	SUBTOTAL DIV. 1
16.0	+.00		4.0			+15% DIV. 1
17.0	+.00		33.0	12	6.0	TOTAL DIV. 1

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4/16/24

GRATE INTAKE SEDIMENT FILTER BAG

Possible Standard Road Plan : EC-604

Line No.	Location Station	Side	Installation (Each)	Maintenance (Each)	Removal (Each)	Remarks
1.0	103+89.22	Right	2.0	4	2.0	DIV. 1
2.0	104+37.63	Right	2.0	4	2.0	DIV. 1
3.0	106+47.55	Right	2.0	4	2.0	DIV. 1
4.0	106+93.48	Left	2.0	4	2.0	DIV. 1
5.0	107+03.00	Right	2.0	4	2.0	DIV. 1
6.0	109+38.63	Right	2.0	4	2.0	DIV. 1
7.0	109+70.29	Left	1.0	2	1.0	DIV. 1
8.0	124+40.95	Left	1.0	2	1.0	DIV. 2
9.0	124+89.84	Left	1.0	2	1.0	DIV. 2
10.0	203+58.86	Right	1.0	2	1.0	DIV. 2
11.0	205+22.26	Left	2.0	4	2.0	DIV. 2
12.0	205+33.00	Right	2.0	4	2.0	DIV. 2
13.0	+.00		13.0	26	13.0	TOTAL DIV.1
14.0	+.00		7.0	14	7.0	TOTAL DIV. 2

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Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
STP-U-2690(643)--70-94			Sheet RC.3
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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SEDIMENT CONTROL QUANTITIES TABULATIONS

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Sheet RC.3

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LEGEND:

- GRADING LIMITS
- FILTER SOCK
- GRATE INLET PROTECTION
- OPEN-THROAT INLET PROTECTION
- URBAN SEEDING AREA
- EXISTING CONTOURS
- PROPOSED CONTOURS

0 20 40
FEET

103+00
104+00
105+00
106+00
107+00
108+00

1 LYDIA HARVEY
1435 1ST AVE N

2 STEVEN B HEBERTS
1436 1ST AVE N

3 JEFF HAUPTS INS & FINANCIAL SERVICES INC
116 N 15TH ST

4 LJ CONVENIENCE LLC
1435 2ND AVE N

93 ERIC L ESPINOZA
27 N 15TH ST

92 FAMILY VIDEO MOVIE CLUB INC
1513 2ND AVE N

N. 15TH STREET

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Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
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CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EROSION CONTROL PLAN

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Sheet RR.1

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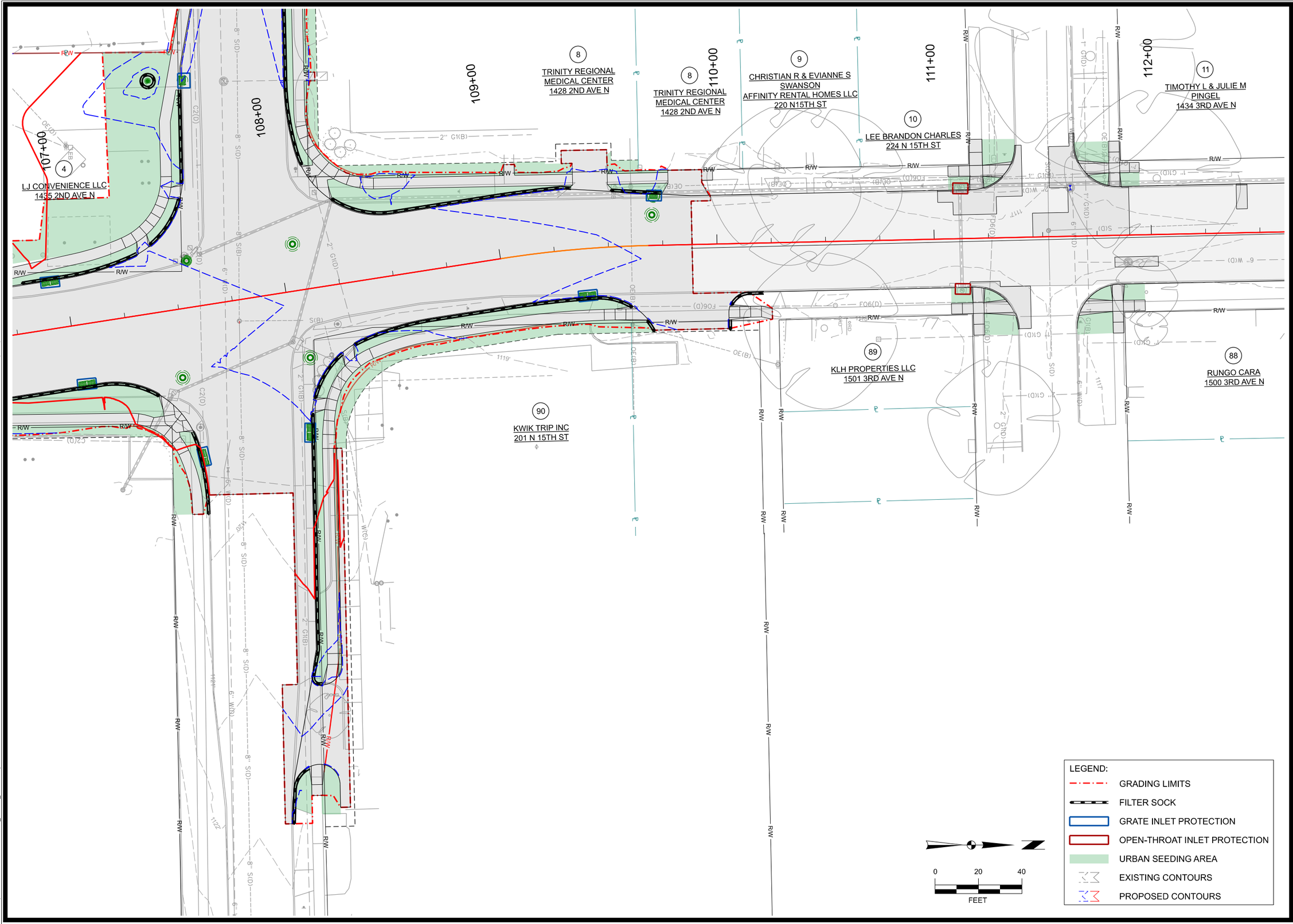

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Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EROSION CONTROL PLAN

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Sheet RR.2

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114+00 115+00 116+00 118+00 119+00 120+00

DIVISION 1: STBG ELIGIBLE
DIVISION 2: STBG NON-ELIGIBLE

14 MCCARVILLE REALTY LC
322 N 15TH ST

15 143fou501 TR
1435 4TH AVE N

16 ALAN WALKER
RANDY E & DAWN M DAVIS
1434 4TH AVE N

18 JON & TRACY MILLER
JERRY D & MAUREEN E PATTERSON
420 N 15TH ST

19 JON R & AMANDA L HOLMES
430 N15TH ST

20 AVERAGE JOES INVESTMENTS LLC
1438 5TH AVE N

21 THE CHURCH O
DAMASCUS R
512 N 15TH

85 WILLIAM E SCHARF
1502 4TH AVE N

86 BART L CHARON
1503 4TH AVE N

83 PETER A REED
419 N 15TH ST

82 LYLE & CAROL L KRAFT
1503 5TH AVE N

81 RICHARD J & VIKKI L CLARK
503 N 15TH ST

80 MONOPOLY VENTURES LLC
505 N 15TH ST

MARQU
1511

120+00 121+00 122+00 124+00 125+00 126+00

21 THE CHURCH OF THE DAMASCUS ROAD
512 N 15TH ST

20 AVERAGE JOES INVESTMENTS LLC
1438 5TH AVE N

22 QUIB LLC
606 N 15TH ST

23 MITCHELL E & JAMIE R LUNN
616 N 15TH ST

24 KERRY L CROUSE
702 N 15TH ST

81 & VIKKI L CLARK
N 15TH ST

79 MARQUAN J CLAYTON
1511 6TH AVE N

80 MONOPOLY VENTURES LLC
505 N 15TH ST

78 BOCK INVESTMENTS LLC
1502 6TH AVE N

75 JAZ PROPERTIES LLC
617 N 15TH ST

74 AARON CAMPBELL
621 N 15TH ST

LEGEND:
- GRADING LIMITS
- FILTER SOCK
- GRATE INLET PROTECTION
- OPEN-THROAT INLET PROTECTION
- URBAN SEEDING AREA
- EXISTING CONTOURS
- PROPOSED CONTOURS

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Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EROSION CONTROL PLAN

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Sheet RR.3

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LEGEND:

- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

0 10 20
FEET

N. 15TH STREET

2ND AVENUE N.

104+00

105+00

R/W

PL

S1-01 S1-02 S1-03 S1-04 S1-05 S1-06 S1-07 S1-08 S1-09 S1-10 S1-11 S1-12 S1-13

19.3 LF OF CURB CUT

S1-14 S1-15 S1-16 S1-17 S1-18 S1-19 S1-20 S1-21 S1-22 S1-23 S1-24 S1-25 S1-26 S1-27 S1-28 S1-29 S1-30 S1-31

7.0 LF OF CURB CUT

7.7 LF OF CURB CUT

CURB ELEV = 1122.02

CURB ELEV = 1121.34

CURB ELEV = 1122.06

S1-32 S1-33 S1-34 S1-35 S1-36 S1-37 S1-38 S1-39 S1-40 S1-41 S1-42 S1-43 S1-44 S1-45 S1-46 S1-47 S1-48 S1-49 S1-50 S1-51

S1-52 S1-53 S1-53A S1-54 S1-55 S1-56 S1-57 S1-58 S1-59 S1-60 S1-61 S1-62 S1-63 S1-64 S1-65 S1-66 S1-67

6.8 LF OF CURB CUT

6.6 LF OF CURB CUT

MARK	REVISION	DATE	BY
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Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94 Project No: 124.0890.01		Sheet S.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
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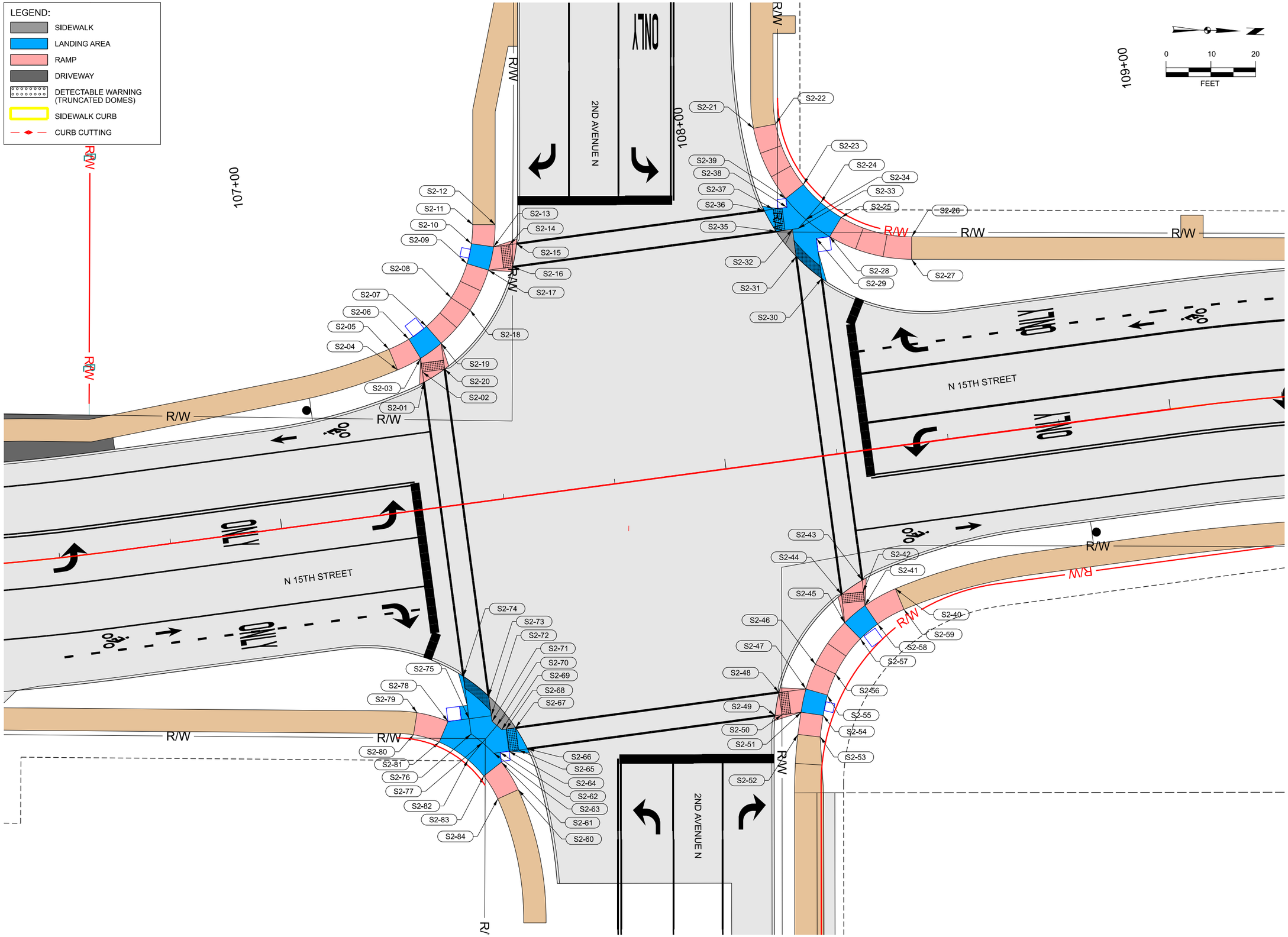
Project No: 124.0890.01

Sheet S.1



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Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

Sheet S.2

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LEGEND:

- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

0 5 10
FEET

R/W R/W R/W

N 15TH STREET

S3-01 S3-02 S3-03 S3-04 S3-05 S3-06 S3-07 S3-08

S3-09 S3-10 S3-11 S3-12 S3-13 S3-14 S3-15 S3-16 S3-17 S3-18 S3-19

R/W R/W

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		Sheet S.3

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

Sheet S.3

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LEGEND:
- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

R/W

S4-01 S4-02 S4-03 S4-04 S4-05 S4-06 S4-07 S4-08 S4-09 S4-10 S4-11 S4-12 S4-13 S4-14 S4-15 S4-16

2%

3RD AVENUE N

R/W

S4-17 S4-18 S4-19 S4-20 S4-21 S4-22 S4-23 S4-24 S4-25 S4-26 S4-27 S4-28 S4-29 S4-30 S4-31 S4-32

0 5 10
FEET

N 15TH STREET

S4-47 S4-48 S4-49 S4-50 S4-51 S4-52 S4-53 S4-54 S4-55 S4-56 S4-57 S4-58 S4-59 S4-60

7.3 LF OF CURB CUT

8.2 LF OF CURB CUT

S4-33 S4-34 S4-35 S4-36 S4-37 S4-38 S4-39 S4-40 S4-41 S4-42 S4-43 S4-44 S4-45 S4-46

3RD AVENUE N

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94		Sheet S.4
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

Sheet S.4

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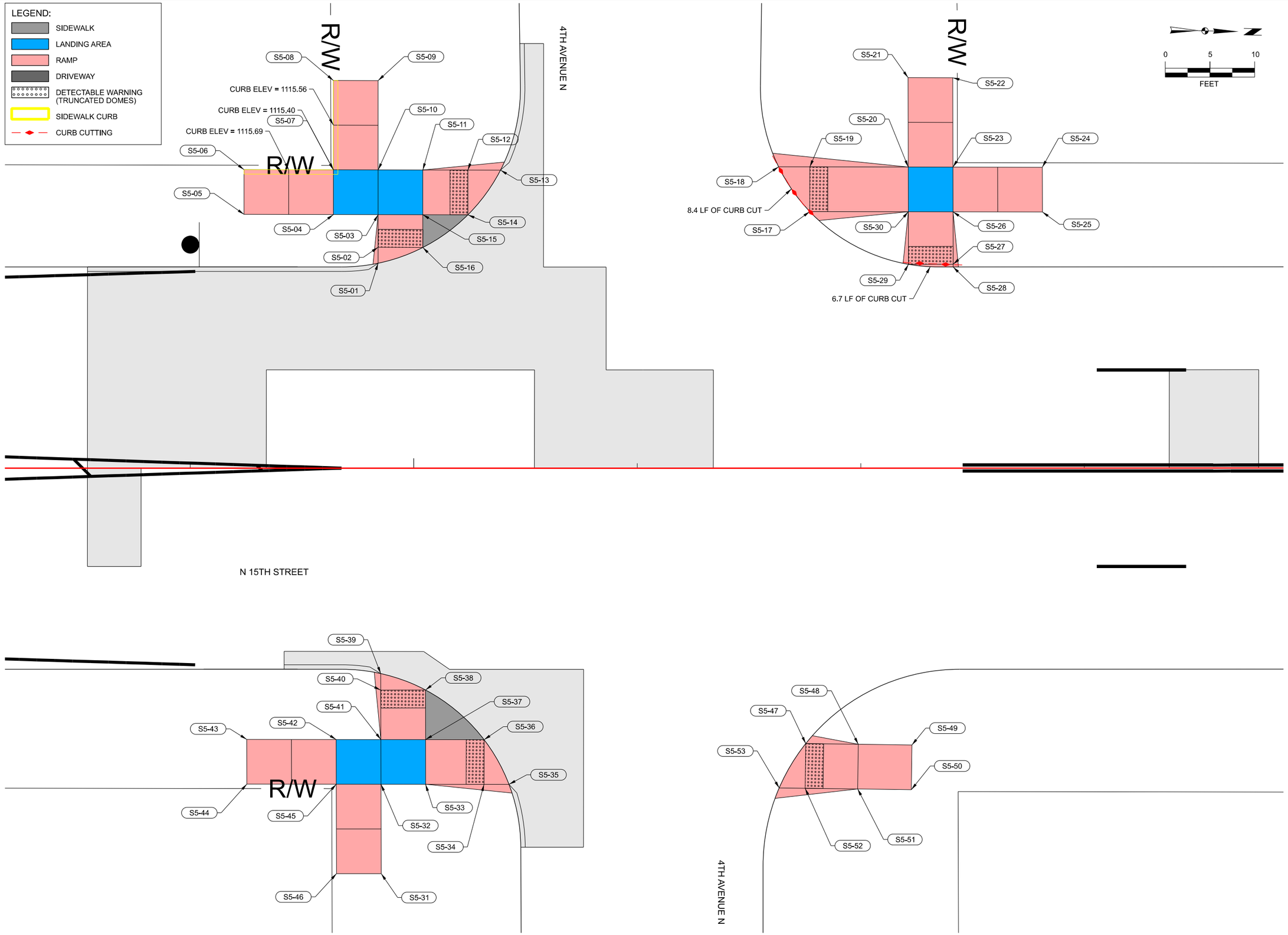
LEGEND:
- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING



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Technician: EIG	Date: 2/17/2026	T-R-S:	
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	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

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LEGEND:
- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

0 10 20
FEET

N 15TH STREET

5TH AVENUE N

118+00

119+00

120+00

R/W

PL

S6-01
S6-02
S6-03
S6-04
S6-05
S6-06
CURB ELEV = 1111.63
S6-07
CURB ELEV = 1111.68
S6-08
CURB ELEV = 1111.60
S6-09
CURB ELEV = 1112.15
S6-10
S6-11
S6-12
S6-13
S6-14
S6-15
7.9 LF OF CURB CUT
S6-16
S6-17
S6-18
S6-19
S6-20
7.2 LF OF CURB CUT

S6-21
S6-22
S6-23
S6-24
S6-25
S6-26
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S6-29
S6-30
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S6-36
S6-37
S6-38
7.5 LF OF CURB CUT
S6-39
S6-40
S6-41
S6-42
8.0 LF OF CURB CUT

S6-43
S6-44
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Technician: EIG	Date: 2/17/2026	T-R-S:	
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	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

Sheet S.6

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LEGEND:
- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

120+00 | 121+00 | 122+00

6TH AVENUE N

N 15TH STREET

R/W

11.2 LF OF CURB CUT
13.0 LF OF CURB CUT
11.1 LF OF CURB CUT
13.4 LF OF CURB CUT
11.2 LF OF CURB CUT
8.9 LF OF CURB CUT
10.9 LF OF CURB CUT
9.0 LF OF CURB CUT

CURB ELEV = 1114.10
CURB ELEV = 1113.28
CURB ELEV = 1113.21
CURB ELEV = 1113.28
CURB ELEV = 1113.87

0 10 20
FEET

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94		
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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

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Project No: 124.0890.01

Sheet S.7

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LEGEND:
- SIDEWALK
- LANDING AREA
- RAMP
- DRIVEWAY
- DETECTABLE WARNING (TRUNCATED DOMES)
- SIDEWALK CURB
- CURB CUTTING

0 10 20
FEET

124+00
125+00
126+00
7TH AVENUE N
N 15TH STREET
R/W
℄

S8-01 S8-02 S8-03 S8-04 S8-05 S8-06 S8-07 S8-08 S8-09 S8-10 S8-11 S8-12 S8-13 S8-14 S8-15 S8-16 S8-17 S8-18
CURB ELEV = 1113.55
CURB ELEV = 1113.48
CURB ELEV = 1113.55
14.7 LF OF CURB CUT
14.5 LF OF CURB CUT

S8-19 S8-20 S8-21 S8-22 S8-23 S8-24 S8-25 S8-26 S8-27 S8-28 S8-29 S8-30 S8-31 S8-32 S8-33 S8-34 S8-35 S8-36

S8-37 S8-38 S8-39 S8-40 S8-41 S8-42 S8-43 S8-44 S8-45 S8-46 S8-47 S8-48 S8-49 S8-50 S8-51 S8-52 S8-53 S8-54 S8-55 S8-56 S8-57 S8-58 S8-59 S8-60 S8-61 S8-62 S8-63 S8-64 S8-65 S8-66 S8-67 S8-68 S8-69 S8-70 S8-71 S8-72 S8-73 S8-74 S8-75 S8-76 S8-77 S8-78 S8-79
13.5 LF OF CURB CUT
10.6 LF OF CURB CUT
CURB ELEV = 1113.52
CURB ELEV = 1113.46
CURB ELEV = 1113.38
CURB ELEV = 1114.42
CURB ELEV = 1113.94
CURB ELEV = 1113.97
CURB ELEV = 1113.87

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.8

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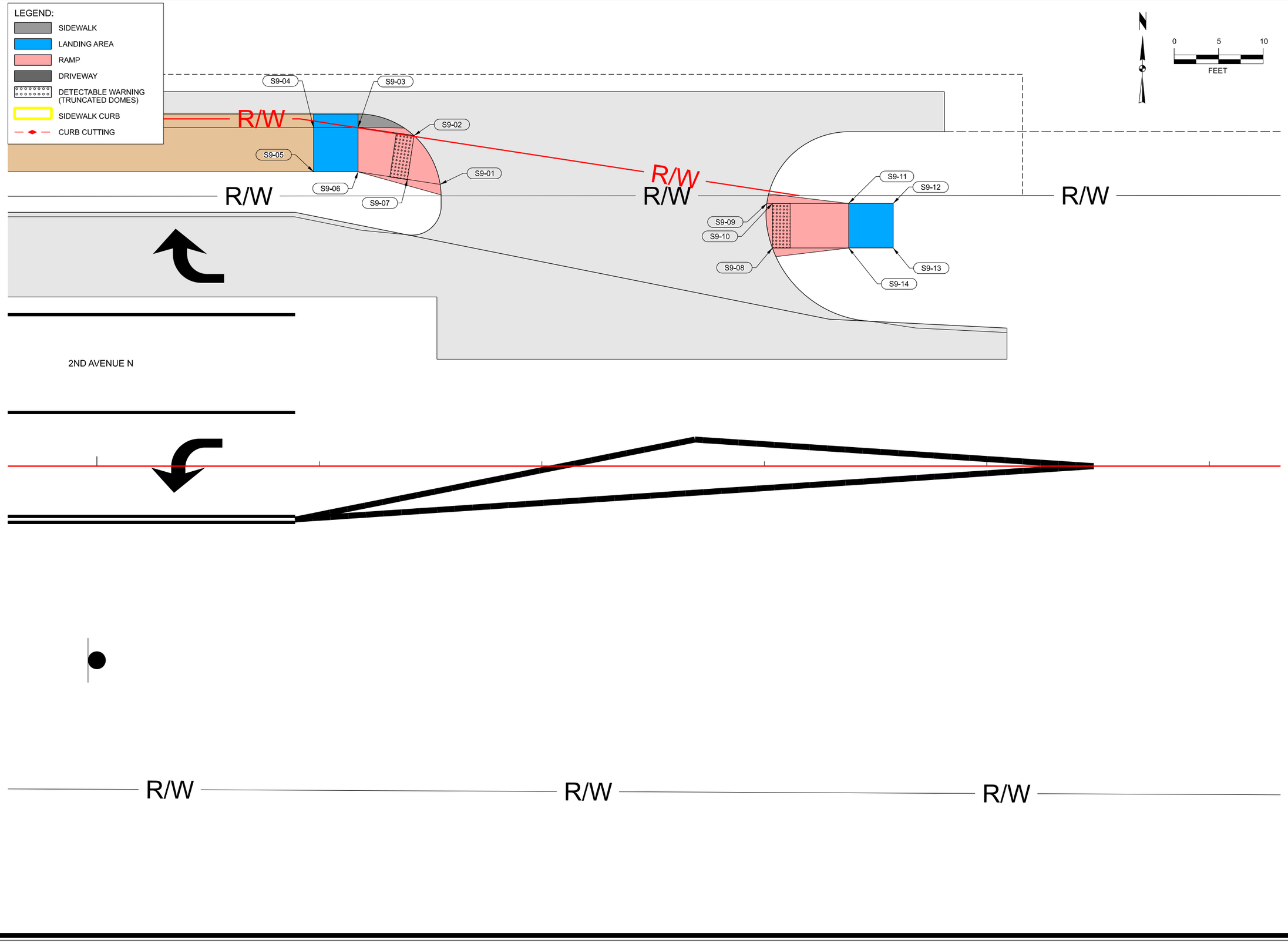

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	Scale:	
Technician: EIG	Date: 2/17/2026	T-R-S:	
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
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Project No: 124.0890.01

Sheet S.9

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1120.36	1120.45	S1-01	S1-02	Landing/Turning Space	6	5.82	0.09	1.5	0.5% to 2.0%				
1120.45	1120.78	S1-02	S1-03	Ramp Running Slope	6	10.00	0.33	3.3	0.5% to 8.3%				
1120.78	1120.93	S1-03	S1-04	Sidewalk Running Slope	6	5.00	0.15	3.0	0.5% to 5.0%				
1120.93	1121.05	S1-04	S1-05	Match Existing Cross Slope	6	5.00	0.12	2.4	Match Existing				
1121.05	1120.87	S1-05	S1-06	Sidewalk Running Slope	6	5.00	-0.18	-3.6	0.5% to 5.0%				
1120.87	1120.78	S1-06	S1-03	Ramp Cross Slope	6	5.00	-0.09	-1.8	0.5% to 2.0%				
1120.87	1120.50	S1-06	S1-07	Ramp Running Slope	6	10.00	-0.37	-3.7	0.5% to 8.3%				
1120.50	1120.45	S1-07	S1-02	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1120.50	1121.05	S1-07	S1-08	Ramp Running Slope	6	10.00	0.55	5.5	0.5% to 8.3%				
1121.05	1121.24	S1-08	S1-09	Sidewalk Running Slope	6	5.00	0.19	3.8	0.5% to 5.0%				
1121.24	1121.13	S1-09	S1-10	Match Existing Cross Slope	6	5.00	-0.11	-2.2	Match Existing				
1121.13	1120.98	S1-10	S1-11	Sidewalk Running Slope	6	5.00	-0.15	-3.0	0.5% to 5.0%				
1120.98	1121.05	S1-11	S1-08	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1120.98	1120.43	S1-11	S1-12	Ramp Running Slope	6	10.00	-0.55	-5.5	0.5% to 8.3%				
1120.43	1120.50	S1-12	S1-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1120.43	1120.33	S1-12	S1-13	Landing/Turning Space	6	6.62	-0.10	-1.5	0.1% to 2.0%				
1120.33	1120.36	S1-13	S1-01	Match Existing Cross Slope	6	16.37	0.03	0.2	Match Existing				
1120.77	1120.70	S1-14	S1-15	Ramp Running Slope	6	2.42	-0.07	-2.9	0.5% to 8.3%				
1120.70	1120.67	S1-15	S1-16	Ramp Running Slope	6	2.17	-0.03	-1.4	0.5% to 8.3%				
1120.67	1120.56	S1-16	S1-17	Match Existing Cross Slope	6	5.72	-0.11	-1.9	Match Existing				
1120.56	1120.63	S1-17	S1-18	Ramp Running Slope	6	2.73	0.07	2.6	0.5% to 8.3%				
1120.63	1120.67	S1-18	S1-16	Ramp Cross Slope	6	5.00	0.04	0.8	0.1% to 2.0%				
1120.63	1120.77	S1-18	S1-19	Ramp Running Slope	6	2.22	0.14	6.3	0.5% to 8.3%				
1120.77	1120.70	S1-19	S1-15	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.77	1121.45	S1-19	S1-20	Ramp Running Slope	6	10.00	0.68	6.8	0.5% to 8.3%				
1121.45	1121.55	S1-20	S1-21	Sidewalk Running Slope	6	5.00	0.10	2.0	0.5% to 5.0%				
1121.55	1121.70	S1-21	S1-22	Match Existing Cross Slope	6	5.00	0.15	3.0	Match Existing				
1121.70	1121.52	S1-22	S1-23	Sidewalk Running Slope	6	5.00	-0.18	-3.6	0.5% to 5.0%				
1121.52	1121.45	S1-23	S1-20	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1121.52	1120.84	S1-23	S1-24	Ramp Running Slope	6	10.00	-0.68	-6.8	0.5% to 8.3%				
1120.84	1120.77	S1-24	S1-19	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.84	1121.56	S1-24	S1-25	Ramp Running Slope	6	15.00	0.72	4.8	0.5% to 8.3%				
1121.56	1121.81	S1-25	S1-26	Sidewalk Running Slope	6	5.03	0.25	5.0	0.5% to 5.0%				
1121.81	1121.69	S1-26	S1-27	Match Existing Cross Slope	6	4.50	-0.12	-2.7	Match Existing				
1121.69	1121.49	S1-27	S1-28	Sidewalk Running Slope	6	5.00	-0.20	-4.0	0.5% to 5.0%				
1121.49	1121.56	S1-28	S1-25	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1121.49	1120.77	S1-28	S1-29	Ramp Running Slope	6	15.00	-0.72	-4.8	0.5% to 8.3%				
1120.77	1120.70	S1-29	S1-15	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.77	1120.84	S1-29	S1-24	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1120.77	1120.84	S1-29	S1-30	Ramp Running Slope	6	2.47	0.07	2.8	0.5% to 8.3%				
1120.84	1120.77	S1-30	S1-14	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.84	1120.89	S1-30	S1-31	Ramp Running Slope	6	3.45	0.05	1.4	0.5% to 8.3%				
1120.89	1120.77	S1-31	S1-14	Match Existing Cross Slope	6	5.90	-0.12	-2.0	Match Existing				
1120.57	1120.83	S1-32	S1-33	Ramp Running Slope	6	4.50	0.26	5.8	0.5% to 8.3%				
1120.83	1120.80	S1-33	S1-34	Landing/Turning Space	6	2.00	-0.03	-1.5	0.1% to 2.0%				
1120.80	1120.84	S1-34	S1-35	Landing/Turning Space	6	3.00	0.04	1.3	0.1% to 2.0%				
1120.84	1120.65	S1-35	S1-36	Ramp Running Slope	6	4.10	-0.19	-4.6	0.5% to 8.3%				
1120.65	1120.70	S1-36	S1-37	Ramp Cross Slope	6	5.26	0.05	1.0	Match Existing				
1120.70	1120.73	S1-37	S1-38	Ramp Running Slope	6	1.59	0.03	1.9	0.5% to 8.3%				
1120.73	1120.65	S1-38	S1-36	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1120.73	1120.91	S1-38	S1-39	Ramp Running Slope	6	4.10	0.18	4.4	0.5% to 8.3%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.10
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.10

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1120.91	1120.84	S1-39	S1-35	Landing/Turning Space	6	5.00	-0.07	-1.4					
1120.91	1121.51	S1-39	S1-40	Ramp Running Slope	6	10.00	0.60	6.0	0.5% to 8.3%				
1121.51	1121.62	S1-40	S1-41	Sidewalk Running Slope	6	5.00	0.11	2.2	0.5% to 5.0%				
1121.62	1121.77	S1-41	S1-42	Match Existing Cross Slope	6	5.00	0.15	3.0	Match Existing				
1121.77	1121.58	S1-42	S1-43	Sidewalk Running Slope	6	5.00	-0.19	-3.8	0.5% to 5.0%				
1121.58	1121.51	S1-43	S1-40	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1121.58	1120.98	S1-43	S1-44	Ramp Running Slope	6	10.00	-0.60	-6.0	0.5% to 8.3%				
1120.98	1120.91	S1-44	S1-39	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.98	1120.94	S1-44	S1-45	Landing/Turning Space	6	3.00	-0.04	-1.3	0.1% to 2.0%				
1120.94	1120.97	S1-45	S1-46	Landing/Turning Space	6	2.00	0.03	1.5	0.1% to 2.0%				
1120.97	1121.94	S1-46	S1-47	Ramp Running Slope	6	15.00	0.97	6.5	0.5% to 8.3%				
1121.94	1121.85	S1-47	S1-48	Match Existing Cross Slope	6	5.00	-0.09	-1.8	Match Existing				
1121.85	1120.90	S1-48	S1-49	Ramp Running Slope	6	15.00	-0.95	-6.3	0.5% to 8.3%				
1120.90	1120.83	S1-49	S1-33	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.90	1120.97	S1-49	S1-46	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1120.90	1120.65	S1-49	S1-50	Ramp Running Slope	6	4.54	-0.25	-5.5	0.5% to 8.3%				
1120.65	1120.57	S1-50	S1-32	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1120.65	1120.60	S1-50	S1-51	Ramp Running Slope	6	2.70	-0.05	-1.9	0.5% to 8.3%				
1120.60	1120.57	S1-51	S1-32	Ramp Cross Slope	6	5.72	-0.03	-0.5	0.1% to 2.0%				
1120.22	1120.34	S1-52	S1-53	Ramp Running Slope	6	3.54	0.12	3.4	0.5% to 8.3%				
1120.35	1120.28	S1-53A	S1-54	Ramp Running Slope	6	4.27	-0.07	-1.6	0.5% to 8.3%				
1120.28	1120.35	S1-54	S1-55	Match Existing Cross Slope	6	5.67	0.07	1.2	Match Existing				
1120.35	1120.37	S1-55	S1-56	Ramp Running Slope	6	2.44	0.02	0.8	0.5% to 8.3%				
1120.37	1120.28	S1-56	S1-54	Ramp Cross Slope	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1120.37	1120.41	S1-56	S1-57	Ramp Running Slope	6	4.31	0.04	0.9	0.5% to 8.3%				
1120.41	1120.34	S1-57	S1-53	Landing/Turning Space	6	6.00	-0.07	-1.2	0.1% to 2.0%				
1120.41	1121.26	S1-57	S1-58	Ramp Running Slope	6	15.00	0.85	5.7	0.5% to 8.3%				
1121.26	1121.32	S1-58	S1-59	Match Existing Cross Slope	6	5.00	0.06	1.2	Match Existing				
1121.32	1120.48	S1-59	S1-60	Ramp Running Slope	6	15.00	-0.84	-5.6	0.5% to 8.3%				
1120.48	1120.41	S1-60	S1-57	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.48	1120.69	S1-60	S1-61	Ramp Running Slope	6	10.00	0.21	2.1	0.5% to 8.3%				
1120.69	1120.88	S1-61	S1-62	Sidewalk Running Slope	6	5.00	0.19	3.8	0.5% to 5.0%				
1120.88	1120.69	S1-62	S1-63	Match Existing Cross Slope	6	5.00	-0.19	-3.8	Match Existing				
1120.69	1120.61	S1-63	S1-64	Sidewalk Running Slope	6	5.00	-0.08	-1.6	0.5% to 5.0%				
1120.61	1120.69	S1-64	S1-61	Ramp Cross Slope	6	5.00	0.08	1.6	0.1% to 2.0%				
1120.61	1120.41	S1-64	S1-65	Ramp Running Slope	6	10.00	-0.20	-2.0	0.5% to 8.3%				
1120.41	1120.34	S1-65	S1-53	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.41	1120.48	S1-65	S1-60	Landing/Turning Space	6	6.00	0.07	1.2	0.1% to 2.0%				
1120.41	1120.26	S1-65	S1-66	Ramp Running Slope	6	3.59	-0.15	-4.2	0.5% to 8.3%				
1120.26	1120.34	S1-66	S1-52	Ramp Cross Slope	6	5.00	0.08	1.6	0.1% to 2.0%				
1120.26	1120.15	S1-66	S1-67	Ramp Running Slope	6	2.81	-0.11	-3.9	0.5% to 8.3%				
1120.15	1120.22	S1-67	S1-52	Match Existing Cross Slope	6	5.76	0.07	1.2	Match Existing				
1118.89	1118.93	S2-01	S2-02	Ramp Running Slope	6	2.31	0.04	1.7	0.5% to 8.3%				
1118.93	1119.14	S2-02	S2-03	Ramp Running Slope	6	3.10	0.21	6.8	0.5% to 8.3%				
1119.14	1119.43	S2-03	S2-04	Ramp Running Slope	6	5.76	0.29	5.0	0.5% to 8.3%				
1119.43	1119.50	S2-04	S2-05	Ramp Cross Slope	6	5.00	0.07	1.4	0.5% to 2.0%				
1119.50	1119.21	S2-05	S2-06	Ramp Running Slope	6	5.00	-0.29	-5.8	0.5% to 8.3%				
1119.21	1119.14	S2-06	S2-03	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.21	1119.14	S2-06	S2-07	Landing/Turning Space	6	4.89	-0.07	-1.4	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.11
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
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SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.11

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1119.14	1119.47	S2-07	S2-08	Ramp Running Slope	6	8.44	0.33	3.9	0.5% to 8.3%				
1119.47	1119.07	S2-08	S2-09	Ramp Running Slope	6	8.44	-0.40	-4.7	0.5% to 8.3%				
1119.07	1119.00	S2-09	S2-10	Landing/Turning Space	6	4.57	-0.07	-1.5	0.1% to 2.0%				
1119.00	1119.12	S2-10	S2-11	Ramp Running Slope	6	4.25	0.12	2.8	0.5% to 8.3%				
1119.12	1119.05	S2-11	S2-12	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.05	1118.93	S2-12	S2-13	Ramp Running Slope	6	4.96	-0.12	-2.4	0.5% to 8.3%				
1118.93	1119.00	S2-13	S2-10	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.93	1118.70	S2-13	S2-14	Ramp Running Slope	6	3.59	-0.23	-6.4	0.5% to 8.3%				
1118.70	1118.58	S2-14	S2-15	Ramp Running Slope	6	1.58	-0.12	-7.6	0.5% to 8.3%				
1118.58	1118.67	S2-15	S2-16	Ramp Cross Slope	6	5.25	0.09	1.7	0.1% to 2.0%				
1118.67	1119.00	S2-16	S2-17	Ramp Running Slope	6	5.42	0.33	6.1	0.5% to 8.3%				
1119.00	1119.07	S2-17	S2-09	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1119.00	1118.93	S2-17	S2-13	Landing/Turning Space	6	5.33	-0.07	-1.3	0.1% to 2.0%				
1119.00	1119.40	S2-17	S2-18	Ramp Running Slope	6	9.84	0.40	4.1	0.5% to 8.3%				
1119.40	1119.47	S2-18	S2-08	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1119.40	1119.07	S2-18	S2-19	Ramp Running Slope	6	9.84	-0.33	-3.4	0.5% to 8.3%				
1119.07	1119.14	S2-19	S2-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1119.07	1118.86	S2-19	S2-20	Ramp Running Slope	6	5.83	-0.21	-3.6	0.5% to 8.3%				
1118.86	1118.89	S2-20	S2-01	Ramp Cross Slope	6	5.51	0.03	0.5	0.1% to 2.0%				
1118.86	1118.93	S2-20	S2-02	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.92	1118.99	S2-21	S2-22	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.99	1118.61	S2-22	S2-23	Ramp Running Slope	6	15.00	-0.38	-2.5	0.5% to 8.3%				
1118.61	1118.55	S2-23	S2-24	Landing/Turning Space	6	5.61	-0.06	-1.1	0.1% to 2.0%				
1118.55	1118.61	S2-24	S2-25	Landing/Turning Space	6	5.61	0.06	1.1	0.1% to 2.0%				
1118.61	1119.24	S2-25	S2-26	Ramp Running Slope	6	16.51	0.63	3.8	0.5% to 8.3%				
1119.24	1119.17	S2-26	S2-27	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.17	1118.56	S2-27	S2-28	Ramp Running Slope	6	19.18	-0.61	-3.2	0.5% to 8.3%				
1118.56	1118.61	S2-28	S2-25	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1118.56	1118.51	S2-28	S2-29	Landing/Turning Space	6	3.01	-0.05	-1.7	0.1% to 2.0%				
1118.51	1118.36	S2-29	S2-30	Landing/Turning Space	6	9.00	-0.15	-1.7	0.1% to 2.0%				
1118.36	1118.40	S2-30	S2-31	Landing/Turning Space	6	7.50	0.04	0.5	0.1% to 2.0%				
1118.40	1118.47	S2-31	S2-32	Landing/Turning Space	6	6.11	0.07	1.1	0.1% to 2.0%				
1118.47	1118.48	S2-32	S2-33	Landing/Turning Space	6	1.30	0.01	0.8	0.1% to 2.0%				
1118.48	1118.50	S2-33	S2-34	Landing/Turning Space	6	2.64	0.02	0.8	0.1% to 2.0%				
1118.50	1118.55	S2-34	S2-24	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1118.50	1118.56	S2-34	S2-28	Landing/Turning Space	6	6.52	0.06	0.9	0.1% to 2.0%				
1118.47	1118.44	S2-32	S2-35	Landing/Turning Space	6	3.68	-0.03	-0.8	0.1% to 2.0%				
1118.44	1118.47	S2-35	S2-36	Landing/Turning Space	6	5.41	0.03	0.6	0.1% to 2.0%				
1118.47	1118.50	S2-36	S2-37	Landing/Turning Space	6	2.03	0.03	1.5	0.1% to 2.0%				
1118.50	1118.44	S2-37	S2-35	Landing/Turning Space	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1118.50	1118.53	S2-37	S2-38	Landing/Turning Space	6	3.13	0.03	1.0	0.1% to 2.0%				
1118.53	1118.56	S2-38	S2-39	Landing/Turning Space	6	2.00	0.03	1.5	0.1% to 2.0%				
1118.56	1118.61	S2-39	S2-23	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1118.56	1118.50	S2-39	S2-34	Landing/Turning Space	6	6.52	-0.06	-0.9	0.1% to 2.0%				
1118.56	1118.92	S2-39	S2-21	Ramp Running Slope	6	17.42	0.36	2.1	0.5% to 8.3%				
1119.26	1118.97	S2-40	S2-41	Ramp Running Slope	6	7.76	-0.29	-3.7	0.5% to 8.3%				
1118.97	1118.76	S2-41	S2-42	Ramp Running Slope	6	3.07	-0.21	-6.8	0.5% to 8.3%				
1118.76	1118.66	S2-42	S2-43	Ramp Running Slope	6	2.66	-0.10	-3.8	0.5% to 8.3%				
1118.66	1118.69	S2-43	S2-44	Ramp Cross Slope	6	5.61	0.03	0.5	0.1% to 2.0%				
1118.69	1118.76	S2-44	S2-42	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.69	1119.04	S2-44	S2-45	Ramp Running Slope	6	6.39	0.35	5.5	0.5% to 8.3%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
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	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.12

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1119.04	1118.97	S2-45	S2-41	Landing/Turning Space	6	5.94	-0.07	-1.2	0.1% to 2.0%				
1119.04	1119.37	S2-45	S2-46	Ramp Running Slope	6	11.39	0.33	2.9	0.5% to 8.3%				
1119.37	1119.16	S2-46	S2-47	Ramp Running Slope	6	5.89	-0.21	-3.6	0.5% to 8.3%				
1119.16	1118.94	S2-47	S2-48	Ramp Running Slope	6	6.08	-0.22	-3.6	0.5% to 8.3%				
1118.94	1118.97	S2-48	S2-49	Ramp Cross Slope	6	5.20	0.03	0.6	0.1% to 2.0%				
1118.97	1119.02	S2-49	S2-50	Ramp Running Slope	6	5.00	0.05	1.0	0.5% to 8.3%				
1119.02	1118.94	S2-50	S2-48	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1119.02	1119.23	S2-50	S2-51	Ramp Running Slope	6	5.32	0.21	3.9	0.5% to 8.3%				
1119.23	1119.16	S2-51	S2-47	Landing/Turning Space	6	5.32	-0.07	-1.3	0.1% to 2.0%				
1119.23	1119.54	S2-51	S2-52	Ramp Running Slope	6	5.00	0.31	6.2	0.5% to 8.3%				
1119.54	1119.61	S2-52	S2-53	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1119.61	1119.30	S2-53	S2-54	Ramp Running Slope	6	4.79	-0.31	-6.5	0.5% to 8.3%				
1119.30	1119.23	S2-54	S2-51	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.30	1119.23	S2-54	S2-55	Landing/Turning Space	6	4.55	-0.07	-1.5	0.1% to 2.0%				
1119.23	1119.16	S2-55	S2-47	Ramp Running Slope	6	5.00	-0.07	-1.4	0.5% to 8.3%				
1119.23	1119.44	S2-55	S2-56	Ramp Running Slope	6	5.00	0.21	4.2	0.5% to 8.3%				
1119.44	1119.37	S2-56	S2-46	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.44	1119.19	S2-56	S2-57	Ramp Running Slope	6	9.64	-0.25	-2.6	0.5% to 8.3%				
1119.11	1119.04	S2-57	S2-45	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.11	1119.04	S2-57	S2-58	Landing/Turning Space	6	5.08	-0.07	-1.4	0.1% to 2.0%				
1119.04	1118.97	S2-58	S2-41	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.04	1119.33	S2-58	S2-59	Ramp Running Slope	6	6.72	0.29	4.3	0.5% to 8.3%				
1119.33	1119.26	S2-59	S2-40	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.04	1118.97	S2-58	S2-41	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.04	1119.58	S2-60	S2-61	Landing/Turning Space	6	7.20	-0.46	-6.4	0.1% to 2.0%				
1119.58	1119.55	S2-61	S2-62	Landing/Turning Space	6	2.18	-0.03	-1.4	0.1% to 2.0%				
1119.55	1119.57	S2-62	S2-63	Landing/Turning Space	6	1.42	0.02	1.4	0.1% to 2.0%				
1119.55	1119.52	S2-62	S2-64	Landing/Turning Space	6	2.00	-0.03	-1.5	0.1% to 2.0%				
1119.52	1119.51	S2-64	S2-65	Landing/Turning Space	6	2.14	-0.01	-0.5	0.1% to 2.0%				
1119.51	1119.49	S2-65	S2-66	Landing/Turning Space	6	2.03	-0.02	-1.0	0.1% to 2.0%				
1119.49	1119.46	S2-66	S2-67	Landing/Turning Space	6	5.40	-0.03	-0.6	0.1% to 2.0%				
1119.46	1119.51	S2-67	S2-65	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1119.46	1119.47	S2-67	S2-68	Landing/Turning Space	6	2.14	0.01	0.5	0.1% to 2.0%				
1119.47	1119.52	S2-68	S2-64	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1119.47	1119.48	S2-68	S2-69	Landing/Turning Space	6	1.00	0.01	1.0	0.1% to 2.0%				
1119.48	1119.49	S2-69	S2-70	Landing/Turning Space	6	1.41	0.01	0.7	0.1% to 2.0%				
1119.49	1119.47	S2-70	S2-71	Landing/Turning Space	6	1.41	-0.02	-1.4	0.1% to 2.0%				
1119.47	1119.45	S2-71	S2-72	Landing/Turning Space	6	1.31	-0.02	-1.5	0.1% to 2.0%				
1119.45	1119.41	S2-72	S2-73	Landing/Turning Space	6	4.43	-0.04	-0.9	0.1% to 2.0%				
1119.41	1119.37	S2-73	S2-74	Landing/Turning Space	6	7.15	-0.04	-0.6	0.1% to 2.0%				
1119.37	1119.48	S2-74	S2-75	Landing/Turning Space	6	9.53	0.11	1.2	0.1% to 2.0%				
1119.48	1119.45	S2-75	S2-72	Landing/Turning Space	6	5.00	-0.03	-0.6	0.1% to 2.0%				
1119.48	1119.54	S2-75	S2-76	Landing/Turning Space	6	3.45	0.06	1.7	0.1% to 2.0%				
1119.54	1119.59	S2-76	S2-77	Landing/Turning Space	6	3.19	0.05	1.6	0.1% to 2.0%				
1119.59	1119.57	S2-77	S2-63	Landing/Turning Space	6	3.48	-0.02	-0.6	0.1% to 2.0%				
1119.59	1119.49	S2-77	S2-70	Landing/Turning Space	6	5.00	-0.10	-2.0	0.1% to 2.0%				
1119.48	1119.52	S2-75	S2-78	Landing/Turning Space	6	4.74	0.04	0.8	0.1% to 2.0%				
1119.52	1119.90	S2-78	S2-79	Ramp Running Slope	6	7.20	0.38	5.3	0.5% to 8.3%				
1119.90	1119.93	S2-79	S2-80	Ramp Cross Slope	6	5.00	0.03	0.6	0.1% to 2.0%				
1119.93	1119.58	S2-80	S2-81	Ramp Running Slope	6	6.00	-0.35	-5.8	0.5% to 8.3%				
1119.57	1119.52	S2-81	S2-78	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
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	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.13

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1119.57	1119.69	S2-81	S2-82	Landing/Turning Space	6	7.56	0.12	1.6	0.1% to 2.0%				
1119.69	1119.59	S2-82	S2-77	Landing/Turning Space	6	5.00	-0.10	-2.0	0.1% to 2.0%				
1119.69	1119.65	S2-82	S2-83	Landing/Turning Space	6	5.07	-0.04	-0.8	0.1% to 2.0%				
1119.65	1119.58	S2-83	S2-61	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1119.65	1120.07	S2-83	S2-84	Ramp Running Slope	6	6.00	0.42	7.0	0.5% to 8.3%				
1120.07	1120.04	S2-84	S2-60	Ramp Cross Slope	6	5.00	-0.03	-0.6	0.1% to 2.0%				
1118.09	1118.35	S3-01	S3-02	Ramp Running Slope	6	10.30	0.26	2.5	0.5% to 8.3%				
1118.35	1118.58	S3-02	S3-03	Ramp Running Slope	6	4.93	0.23	4.7	0.5% to 8.3%				
1118.58	1118.65	S3-03	S3-04	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.65	1118.58	S3-04	S3-05	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1118.58	1118.51	S3-05	S3-06	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1118.51	1118.58	S3-06	S3-03	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1118.51	1118.27	S3-06	S3-07	Ramp Running Slope	6	5.07	-0.24	-4.7	0.5% to 8.3%				
1118.27	1118.35	S3-07	S3-02	Ramp Cross Slope	6	5.00	0.08	1.6	0.1% to 2.0%				
1118.27	1118.03	S3-07	S3-08	Ramp Running Slope	6	5.00	-0.24	-4.8	0.5% to 8.3%				
1118.03	1118.09	S3-08	S3-01	Ramp Cross Slope	6	7.32	0.06	0.8	0.1% to 2.0%				
1117.65	1117.75	S3-09	S3-10	Ramp Running Slope	6	4.56	0.10	2.2	0.5% to 8.3%				
1117.75	1117.85	S3-10	S3-11	Ramp Running Slope	6	5.00	0.10	2.0	0.5% to 8.3%				
1117.85	1117.92	S3-11	S3-12	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1117.92	1118.04	S3-12	S3-13	Sidewalk Running Slope	6	5.12	0.12	2.3	0.5% to 5.0%				
1118.04	1118.06	S3-13	S3-14	Match Existing Cross Slope	6	5.00	0.02	0.4	Match Existing				
1118.06	1117.99	S3-14	S3-15	Sidewalk Running Slope	6	5.13	-0.07	-1.4	0.5% to 5.0%				
1117.99	1117.92	S3-15	S3-12	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.99	1117.92	S3-15	S3-16	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.92	1117.85	S3-16	S3-11	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.92	1117.81	S3-16	S3-17	Ramp Running Slope	6	5.00	-0.11	-2.2	0.5% to 8.3%				
1117.81	1117.75	S3-17	S3-10	Ramp Cross Slope	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1117.81	1117.71	S3-17	S3-18	Ramp Running Slope	6	4.56	-0.10	-2.2	0.5% to 8.3%				
1117.71	1117.65	S3-18	S3-09	Ramp Cross Slope	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1117.71	1117.70	S3-18	S3-19	Ramp Running Slope	6	0.44	-0.01	-2.3	0.5% to 8.3%				
1117.70	1117.65	S9-19	S9-09	Ramp Cross Slope	6	5.05	-0.05	-1.0	0.1% to 2.0%				
1116.62	1116.63	S4-01	S4-02	Ramp Running Slope	6	0.69	0.01	1.4	0.5% to 8.3%				
1116.63	1116.76	S4-02	S4-03	Ramp Running Slope	6	5.39	0.13	2.4	0.5% to 8.3%				
1116.76	1117.38	S4-03	S4-04	Ramp Running Slope	6	10.00	0.62	6.2	0.5% to 8.3%				
1117.38	1117.41	S4-04	S4-05	Match Existing Cross Slope	6	5.00	0.03	0.6	Match Existing				
1117.41	1116.83	S4-05	S4-06	Ramp Running Slope	6	10.00	-0.58	-5.8	0.5% to 8.3%				
1116.83	1116.76	S4-06	S4-03	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1116.83	1117.17	S4-06	S4-07	Ramp Running Slope	6	6.00	0.34	5.7	0.5% to 8.3%				
1117.17	1117.39	S4-07	S4-08	Sidewalk Running Slope	6	6.00	0.22	3.7	0.5% to 5.0%				
1117.39	1117.22	S4-08	S4-09	Match Existing Cross Slope	6	6.00	-0.17	-2.8	Match Existing				
1117.22	1117.10	S4-09	S4-10	Sidewalk Running Slope	6	6.00	-0.12	-2.0	0.5% to 5.0%				
1117.10	1117.17	S4-10	S4-07	Ramp Cross Slope	6	6.00	0.07	1.2	0.1% to 2.0%				
1117.10	1116.76	S4-10	S4-11	Ramp Running Slope	6	6.00	-0.34	-5.7	0.5% to 8.3%				
1116.76	1116.83	S4-11	S4-06	Landing/Turning Space	6	6.00	0.07	1.2	0.1% to 2.0%				
1116.76	1116.56	S4-11	S4-12	Ramp Running Slope	6	9.26	-0.20	-2.2	0.5% to 8.3%				
1116.56	1116.50	S4-12	S4-13	Ramp Running Slope	6	3.54	-0.06	-1.7	0.5% to 8.3%				
1116.50	1116.59	S4-13	S4-14	Ramp Cross Slope	6	6.15	0.09	1.5	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-04		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.14

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1116.59	1116.56	S4-14	S4-12	Ramp Cross Slope	6	5.00	-0.03	-0.6	0.1% to 2.0%				
1116.59	1116.69	S4-14	S4-15	Ramp Running Slope	6	9.24	0.10	1.1	0.5% to 8.3%				
1116.69	1116.76	S4-15	S4-03	Landing/Turning Space	6	6.00	0.07	1.2	0.1% to 2.0%				
1116.69	1116.76	S4-15	S4-11	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1116.69	1116.56	S4-15	S4-16	Ramp Running Slope	6	5.41	-0.13	-2.4	0.5% to 8.3%				
1116.56	1116.62	S4-16	S4-01	Ramp Cross Slope	6	6.06	0.06	1.0	0.1% to 2.0%				
1116.56	1116.63	S4-16	S4-02	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1116.58	1116.66	S4-17	S4-18	Ramp Running Slope	6	3.16	0.08	2.5	0.5% to 8.3%				
1116.66	1117.15	S4-18	S4-19	Ramp Running Slope	6	10.41	0.49	4.7	0.5% to 8.3%				
1117.15	1117.35	S4-19	S4-20	Ramp Running Slope	6	10.00	0.20	2.0	0.5% to 8.3%				
1117.35	1117.43	S4-20	S4-21	Match Existing Cross Slope	6	5.00	0.08	1.6	Match Existing				
1117.43	1117.22	S4-21	S4-22	Ramp Running Slope	6	10.00	-0.21	-2.1	0.5% to 8.3%				
1117.22	1117.15	S4-22	S4-19	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.22	1117.41	S4-22	S4-23	Ramp Running Slope	6	4.50	0.19	4.2	0.5% to 8.3%				
1117.41	1117.47	S4-23	S4-24	Sidewalk Running Slope	6	4.50	0.06	1.3	0.5% to 5.0%				
1117.47	1117.45	S4-24	S4-25	Match Existing Cross Slope	6	4.50	-0.02	-0.4	Match Existing				
1117.45	1117.36	S4-25	S4-26	Sidewalk Running Slope	6	4.50	-0.09	-2.0	0.5% to 5.0%				
1117.36	1117.41	S4-26	S4-23	Ramp Cross Slope	6	4.50	0.05	1.1	0.1% to 2.0%				
1117.36	1117.15	S4-26	S4-27	Ramp Running Slope	6	4.50	-0.21	-4.7	0.5% to 8.3%				
1117.15	1117.22	S4-27	S4-22	Landing/Turning Space	6	4.50	0.07	1.6	0.1% to 2.0%				
1117.15	1116.84	S4-27	S4-28	Ramp Running Slope	6	5.91	-0.31	-5.2	0.5% to 8.3%				
1116.84	1116.83	S4-28	S4-29	Ramp Running Slope	6	0.46	-0.01	-2.2	0.5% to 8.3%				
1116.83	1116.91	S4-29	S4-30	Ramp Cross Slope	6	5.02	0.08	1.6	0.1% to 2.0%				
1116.91	1116.84	S4-30	S4-28	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1116.91	1117.08	S4-30	S4-31	Ramp Running Slope	6	5.92	0.17	2.9	0.5% to 8.3%				
1117.08	1117.15	S4-31	S4-19	Landing/Turning Space	6	4.50	0.07	1.6	0.1% to 2.0%				
1117.08	1117.15	S4-31	S4-27	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1117.08	1116.71	S4-31	S4-32	Ramp Running Slope	6	10.42	-0.37	-3.6	0.5% to 8.3%				
1116.71	1116.58	S4-32	S4-17	Match Existing Cross Slope	6	5.52	-0.13	-2.4	Match Existing				
1116.71	1116.66	S4-32	S4-18	Ramp Cross Slope	6	4.50	-0.05	-1.1	0.1% to 2.0%				
1117.32	1117.04	S4-33	S4-34	Ramp Running Slope	6	10.00	-0.28	-2.8	0.5% to 8.3%				
1117.04	1116.86	S4-34	S4-35	Ramp Running Slope	6	7.16	-0.18	-2.5	0.5% to 8.3%				
1116.86	1116.85	S4-35	S4-36	Ramp Running Slope	6	0.33	-0.01	-3.0	0.5% to 8.3%				
1116.85	1116.90	S4-36	S4-37	Match Existing Cross Slope	6	5.02	0.05	1.0	Match Existing				
1116.90	1116.86	S4-37	S4-35	Ramp Cross Slope	6	5.00	-0.04	-0.8	0.1% to 2.0%				
1116.90	1116.97	S4-37	S4-38	Ramp Running Slope	6	7.17	0.07	1.0	0.5% to 8.3%				
1116.97	1117.04	S4-38	S4-34	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1116.97	1116.85	S4-38	S4-39	Ramp Running Slope	6	12.10	-0.12	-1.0	0.5% to 8.3%				
1116.85	1116.74	S4-39	S4-40	Match Existing Cross Slope	6	5.82	-0.11	-1.9	0.1% to 2.0%				
1116.74	1116.78	S4-40	S4-41	Ramp Running Slope	6	2.94	0.04	1.4	0.5% to 8.3%				
1116.78	1116.85	S4-41	S4-39	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1116.78	1117.04	S4-41	S4-42	Ramp Running Slope	6	12.09	0.26	2.2	0.5% to 8.3%				
1117.04	1116.97	S4-42	S4-38	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.04	1117.26	S4-42	S4-43	Ramp Running Slope	6	10.00	0.22	2.2	0.5% to 8.3%				
1117.26	1117.35	S4-43	S4-44	Match Existing Cross Slope	6	5.00	0.09	1.8	Match Existing				
1117.35	1117.11	S4-44	S4-45	Ramp Running Slope	6	10.00	-0.24	-2.4	0.5% to 8.3%				
1117.11	1117.04	S4-45	S4-34	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.11	1117.04	S4-45	S4-42	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.11	1117.42	S4-45	S4-46	Ramp Running Slope	6	10.00	0.31	3.1	0.5% to 8.3%				
1117.42	1117.32	S4-46	S4-33	Match Existing Cross Slope	6	5.00	-0.10	-2.0	Match Existing				
1117.37	1117.15	S4-47	S4-48	Ramp Running Slope	6	10.00	-0.22	-2.2	0.5% to 8.3%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.15
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.15

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1117.15	1116.81	S4-48	S4-49	Ramp Running Slope	6	10.77	-0.34	-3.2	0.5% to 8.3%				
1116.81	1116.72	S4-49	S4-50	Ramp Running Slope	6	3.10	-0.09	-2.9	0.5% to 8.3%				
1116.72	1116.76	S4-50	S4-51	Match Existing Cross Slope	6	5.90	0.04	0.7	Match Existing				
1116.76	1116.81	S4-51	S4-49	Ramp Cross Slope	6	5.00	0.05	1.0	0.1% to 2.0%				
1116.76	1117.08	S4-51	S4-52	Ramp Running Slope	6	10.75	0.32	3.0	0.5% to 8.3%				
1117.08	1117.15	S4-52	S4-48	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1117.08	1116.86	S4-52	S4-53	Ramp Running Slope	6	6.56	-0.22	-3.4	0.5% to 8.3%				
1116.86	1116.77	S4-53	S4-54	Match Existing Cross Slope	6	5.03	-0.09	-1.8	Match Existing				
1116.77	1116.79	S4-54	S4-55	Ramp Running Slope	6	0.50	0.02	4.0	0.5% to 8.3%				
1116.79	1116.86	S4-55	S4-53	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1116.79	1117.15	S4-55	S4-56	Ramp Running Slope	6	6.58	0.36	5.5	0.5% to 8.3%				
1117.15	1117.08	S4-56	S4-52	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.15	1117.57	S4-56	S4-57	Ramp Running Slope	6	10.00	0.42	4.2	0.5% to 8.3%				
1117.57	1117.53	S4-57	S4-58	Match Existing Cross Slope	6	5.00	-0.04	-0.8	Match Existing				
1117.53	1117.22	S4-58	S4-59	Ramp Running Slope	6	10.00	-0.31	-3.1	0.5% to 8.3%				
1117.22	1117.15	S4-59	S4-48	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.22	1117.15	S4-59	S4-56	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1117.22	1117.41	S4-59	S4-60	Ramp Running Slope	6	10.00	0.19	1.9	0.5% to 8.3%				
1117.41	1117.37	S4-60	S4-47	Match Existing Cross Slope	6	5.00	-0.04	-0.8	Match Existing				
1114.65	1114.67	S5-01	S5-02	Ramp Running Slope	6	1.79	0.02	1.1	0.5% to 8.3%				
1114.67	1114.76	S5-02	S5-03	Ramp Running Slope	6	3.65	0.09	2.5	0.5% to 8.3%				
1114.76	1114.83	S5-03	S5-04	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.83	1115.40	S5-04	S5-05	Ramp Running Slope	6	10.00	0.57	5.7	0.5% to 8.3%				
1115.40	1115.47	S5-05	S5-06	Match Existing Cross Slope	6	5.00	0.07	1.4	Match Existing				
1115.47	1114.90	S5-06	S5-07	Ramp Running Slope	6	10.00	-0.57	-5.7	0.5% to 8.3%				
1114.90	1114.83	S5-07	S5-04	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1114.90	1115.23	S5-07	S5-08	Ramp Running Slope	6	10.00	0.33	3.3	0.5% to 8.3%				
1115.23	1115.12	S5-08	S5-09	Match Existing Cross Slope	6	5.00	-0.11	-2.2	Match Existing				
1115.12	1114.83	S5-09	S5-10	Ramp Running Slope	6	10.00	-0.29	-2.9	0.5% to 8.3%				
1114.83	1114.76	S5-10	S5-03	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1114.83	1114.90	S5-10	S5-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.83	1114.76	S5-10	S5-11	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1114.76	1114.45	S5-11	S5-12	Ramp Running Slope	6	5.04	-0.31	-6.2	0.5% to 8.3%				
1114.45	1114.42	S5-12	S5-13	Ramp Running Slope	6	3.65	-0.03	-0.8	0.5% to 8.3%				
1114.42	1114.49	S5-13	S5-14	Match Existing Cross Slope	6	6.21	0.07	1.1	Match Existing				
1114.49	1114.45	S5-14	S5-12	Ramp Cross Slope	6	5.00	-0.04	-0.8	0.1% to 2.0%				
1114.49	1114.69	S5-14	S5-15	Ramp Running Slope	6	5.04	0.20	4.0	0.5% to 8.3%				
1114.69	1114.76	S5-15	S5-03	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.69	1114.76	S5-15	S5-11	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.69	1114.57	S5-15	S5-16	Ramp Running Slope	6	3.67	-0.12	-3.3	0.5% to 8.3%				
1114.57	1114.65	S5-16	S5-01	Match Existing Cross Slope	6	5.32	0.08	1.5	Match Existing				
1114.57	1114.67	S5-16	S5-02	Ramp Cross Slope	6	5.00	0.10	2.0	0.1% to 2.0%				
1114.47	1114.39	S5-17	S5-18	Match Existing Cross Slope	6	6.12	-0.08	-1.3	Match Existing				
1114.39	1114.42	S5-18	S5-19	Ramp Running Slope	6	3.49	0.03	0.9	0.5% to 8.3%				
1114.42	1114.47	S5-19	S5-17	Ramp Cross Slope	6	5.00	0.05	1.0	0.1% to 2.0%				
1114.42	1114.76	S5-19	S5-20	Ramp Running Slope	6	11.00	0.34	3.1	0.5% to 8.3%				
1114.76	1115.15	S5-20	S5-21	Ramp Running Slope	6	10.00	0.39	3.9	0.5% to 8.3%				
1115.15	1115.20	S5-21	S5-22	Match Existing Cross Slope	6	5.00	0.05	1.0	Match Existing				
1115.20	1114.83	S5-22	S5-23	Ramp Running Slope	6	10.00	-0.37	-3.7	0.5% to 8.3%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

Sheet S.16

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1114.83	1114.76	S5-23	S5-20	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1114.83	1115.09	S5-23	S5-24	Ramp Running Slope	6	10.00	0.26	2.6	0.5% to 8.3%				
1115.09	1115.01	S5-24	S5-25	Ramp Cross Slope	6	5.00	-0.08	-1.6	Match Existing				
1115.01	1114.76	S5-25	S5-26	Ramp Running Slope	6	10.00	-0.25	-2.5	0.5% to 8.3%				
1114.76	1114.83	S5-26	S5-23	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.76	1114.49	S5-26	S5-27	Ramp Running Slope	6	5.87	-0.27	-4.6	0.5% to 8.3%				
1114.49	1114.48	S5-27	S5-28	Ramp Running Slope	6	0.31	-0.01	-3.2	0.5% to 8.3%				
1114.48	1114.57	S5-28	S5-29	Match Existing Cross Slope	6	5.02	0.09	1.8	Match Existing				
1114.57	1114.49	S5-29	S5-27	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1114.57	1114.69	S5-29	S5-30	Ramp Running Slope	6	5.89	0.12	2.0	0.5% to 8.3%				
1114.69	1114.47	S5-30	S5-17	Ramp Running Slope	6	11.02	-0.22	-2.0	0.5% to 8.3%				
1114.69	1114.76	S5-30	S5-20	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1114.69	1114.76	S5-30	S5-26	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1115.90	1115.36	S5-31	S5-32	Ramp Running Slope	6	10.00	-0.54	-5.4	0.5% to 8.3%				
1115.36	1115.29	S5-32	S5-33	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1115.29	1114.97	S5-33	S5-34	Ramp Running Slope	6	6.54	-0.32	-4.9	0.5% to 8.3%				
1114.97	1114.94	S5-34	S5-35	Ramp Running Slope	6	2.79	-0.03	-1.1	0.5% to 8.3%				
1114.94	1115.01	S5-35	S5-36	Match Existing Cross Slope	6	5.75	0.07	1.2	Match Existing				
1115.01	1114.97	S5-36	S5-34	Ramp Cross Slope	6	5.00	-0.04	-0.8	0.1% to 2.0%				
1115.01	1115.22	S5-36	S5-37	Ramp Running Slope	6	6.55	0.21	3.2	0.5% to 8.3%				
1115.22	1115.29	S5-37	S5-33	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1115.22	1115.13	S5-37	S5-38	Ramp Running Slope	6	5.55	-0.09	-1.6	0.1% to 2.0%				
1115.13	1115.20	S5-38	S5-39	Match Existing Cross Slope	6	5.35	0.07	1.3	Match Existing				
1115.20	1115.22	S5-39	S5-40	Ramp Running Slope	6	1.85	0.02	1.1	0.5% to 8.3%				
1115.22	1115.13	S5-40	S5-38	Ramp Cross Slope	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1115.22	1115.29	S5-40	S5-41	Ramp Running Slope	6	5.53	0.07	1.3	0.5% to 8.3%				
1115.29	1115.36	S5-41	S5-32	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1115.29	1115.22	S5-41	S5-37	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1115.29	1115.36	S5-41	S5-42	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1115.36	1116.02	S5-42	S5-43	Ramp Running Slope	6	10.00	0.66	6.6	0.5% to 8.3%				
1116.02	1116.12	S5-43	S5-44	Match Existing Cross Slope	6	5.00	0.10	2.0	Match Existing				
1116.12	1115.43	S5-44	S5-45	Ramp Running Slope	6	10.00	-0.69	-6.9	0.5% to 8.3%				
1115.43	1115.36	S5-45	S5-32	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1115.43	1115.36	S5-45	S5-42	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1115.43	1115.96	S5-45	S5-46	Ramp Running Slope	6	10.00	0.53	5.3	0.5% to 8.3%				
1115.96	1115.90	S5-46	S5-31	Match Existing Cross Slope	6	5.00	-0.06	-1.2	Match Existing				
1114.70	1114.82	S5-47	S5-48	Ramp Running Slope	6	5.88	0.12	2.0	0.5% to 8.3%				
1114.82	1114.94	S5-48	S5-49	Ramp Running Slope	6	6.00	0.12	2.0	0.5% to 8.3%				
1114.94	1115.04	S5-49	S5-50	Match Existing Cross Slope	6	5.00	0.10	2.0	Match Existing				
1115.04	1114.90	S5-50	S5-51	Ramp Running Slope	6	6.00	-0.14	-2.3	0.5% to 8.3%				
1114.90	1114.82	S5-51	S5-48	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1114.90	1114.78	S5-51	S5-52	Ramp Running Slope	6	5.88	-0.12	-2.0	0.5% to 8.3%				
1114.78	1114.70	S5-52	S5-47	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1114.78	1114.75	S5-52	S5-53	Ramp Running Slope	6	2.91	-0.03	-1.0	0.5% to 8.3%				
1114.75	1114.70	S5-53	S5-47	Match Existing Cross Slope	6	5.80	-0.05	-0.9	Match Existing				
1111.32	1111.25	S6-01	S6-02	Ramp Running Slope	6	1.48	-0.07	-4.7	0.5% to 8.3%				
1111.25	1111.08	S6-02	S6-03	Ramp Running Slope	6	3.84	-0.17	-4.4	0.5% to 8.3%				
1111.08	1112.12	S6-03	S6-04	Ramp Running Slope	6	15.00	1.04	6.9	0.5% to 8.3%				
1112.12	1112.17	S6-04	S6-05	Match Existing Cross Slope	6	5.00	0.05	1.0	Match Existing				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.17
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.17

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1112.17	1111.13	S6-05	S6-06	Ramp Running Slope	6	15.00	-1.04	-6.9	0.5% to 8.3%				
1111.13	1111.08	S6-06	S6-03	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1111.13	1111.18	S6-06	S6-07	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1111.18	1111.10	S6-07	S6-08	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1111.10	1111.65	S6-08	S6-09	Ramp Running Slope	6	10.00	0.55	5.5	0.5% to 8.3%				
1111.65	1111.86	S6-09	S6-10	Sidewalk Running Slope	6	5.00	0.21	4.2	0.1% to 2.0%				
1111.86	1111.64	S6-10	S6-11	Match Existing Cross Slope	6	5.00	-0.22	-4.4	Match Existing				
1111.64	1111.58	S6-11	S6-12	Sidewalk Running Slope	6	5.00	-0.06	-1.2	0.5% to 5.0%				
1111.58	1111.65	S6-12	S6-09	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1111.58	1111.02	S6-12	S6-13	Ramp Running Slope	6	10.00	-0.56	-5.6	0.5% to 8.3%				
1111.02	1111.10	S6-13	S6-08	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1111.02	1110.82	S6-13	S6-14	Ramp Running Slope	6	4.51	-0.20	-4.4	0.5% to 8.3%				
1110.82	1110.75	S6-14	S6-15	Ramp Running Slope	6	1.87	-0.07	-3.7	0.5% to 8.3%				
1110.75	1110.76	S6-15	S6-16	Match Existing Cross Slope	6	5.35	0.01	0.2	Match Existing				
1110.76	1110.82	S6-16	S6-14	Ramp Cross Slope	6	5.00	0.06	1.2	0.1% to 2.0%				
1110.76	1111.10	S6-16	S6-17	Ramp Running Slope	6	4.50	0.34	7.6	0.5% to 8.3%				
1111.10	1111.18	S6-17	S6-07	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1111.10	1111.02	S6-17	S6-13	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1111.10	1111.05	S6-17	S6-18	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1111.05	1111.13	S6-18	S6-19	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1111.13	1111.08	S6-19	S6-03	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1111.13	1111.18	S6-19	S6-07	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1111.13	1111.16	S6-19	S6-20	Ramp Running Slope	6	3.84	0.03	0.8	0.5% to 8.3%				
1111.16	1111.32	S6-20	S6-01	Match Existing Cross Slope	6	5.23	0.16	3.1	Match Existing				
1111.16	1111.25	S6-20	S6-02	Ramp Cross Slope	6	5.00	0.09	1.8	0.1% to 2.0%				
1111.90	1111.93	S6-21	S6-22	Match Existing Cross Slope	6	5.31	0.03	0.6	Match Existing				
1110.93	1110.95	S6-22	S6-23	Ramp Running Slope	6	1.74	0.02	1.1	0.5% to 8.3%				
1110.95	1110.90	S6-23	S6-21	Ramp Cross Slope	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1110.95	1111.00	S6-23	S6-24	Ramp Running Slope	6	7.02	0.05	0.7	0.5% to 8.3%				
1111.00	1111.60	S6-24	S6-25	Ramp Running Slope	6	10.00	0.60	6.0	0.5% to 8.3%				
1111.60	1111.73	S6-25	S6-26	Sidewalk Running Slope	6	5.00	0.13	2.6	0.5% to 5.0%				
1111.73	1111.85	S6-26	S6-27	Match Existing Cross Slope	6	5.00	0.12	2.4	Match Existing				
1111.85	1111.65	S6-27	S6-28	Sidewalk Running Slope	6	5.00	-0.20	-4.0	0.5% to 5.0%				
1111.65	1111.60	S6-28	S6-25	Ramp Cross Slope	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1111.65	1111.05	S6-28	S6-29	Ramp Running Slope	6	10.00	-0.60	-6.0	0.5% to 8.3%				
1111.05	1111.00	S6-29	S6-24	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1111.05	1110.97	S6-29	S6-30	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1110.97	1111.00	S6-30	S6-31	Landing/Turning Space	6	3.00	0.03	1.0	0.1% to 2.0%				
1111.00	1111.85	S6-31	S6-32	Ramp Running Slope	6	15.00	0.85	5.7	0.5% to 8.3%				
1111.85	1112.02	S6-32	S6-33	Sidewalk Running Slope	6	5.00	0.17	3.4	0.5% to 5.0%				
1112.02	1111.83	S6-33	S6-34	Match Existing Cross Slope	6	5.00	-0.19	-3.8	Match Existing				
1111.83	1111.78	S6-34	S6-35	Sidewalk Running Slope	6	5.00	-0.05	-1.0	0.5% to 5.0%				
1111.78	1111.85	S6-35	S6-32	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1111.78	1111.00	S6-35	S6-36	Ramp Running Slope	6	15.00	-0.78	-5.2	0.5% to 8.3%				
1110.95	1111.00	S6-36	S6-31	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1110.95	1111.11	S6-36	S6-37	Ramp Running Slope	6	4.40	0.16	3.6	0.5% to 8.3%				
1111.11	1111.18	S6-37	S6-38	Ramp Running Slope	6	1.40	0.07	5.0	0.5% to 8.3%				
1111.18	1111.01	S6-38	S6-39	Match Existing Cross Slope	6	5.21	-0.17	-3.3	Match Existing				
1111.01	1111.11	S6-39	S6-37	Ramp Cross Slope	6	5.00	0.10	2.0	0.1% to 2.0%				
1111.01	1110.90	S6-39	S6-40	Ramp Running Slope	6	4.40	-0.11	-2.5	0.5% to 8.3%				
1110.90	1110.95	S6-40	S6-36	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.18

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1110.90	1110.86	S6-40	S6-41	Landing/Turning Space	6	3.00	-0.04	-1.3	0.1% to 2.0%				
1110.86	1110.94	S6-41	S6-42	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1110.94	1110.90	S6-42	S6-21	Ramp Running Slope	6	7.02	-0.04	-0.6	0.5% to 8.3%				
1110.94	1111.00	S6-42	S6-24	Landing/Turning Space	6	5.00	0.06	1.2	0.1% to 2.0%				
1110.94	1110.97	S6-42	S6-30	Landing/Turning Space	6	5.00	0.03	0.6	0.1% to 2.0%				
1111.81	1111.67	S6-43	S6-44	Sidewalk Running Slope	6	5.00	-0.14	-2.8	0.5% to 5.0%				
1111.67	1111.30	S6-44	S6-45	Ramp Running Slope	6	10.00	-0.37	-3.7	0.5% to 8.3%				
1111.30	1111.23	S6-45	S6-46	Ramp Running Slope	6	5.00	-0.07	-1.4	0.5% to 8.3%				
1111.23	1110.97	S6-46	S6-47	Ramp Running Slope	6	7.88	-0.26	-3.3	0.5% to 8.3%				
1110.97	1110.96	S6-47	S6-48	Ramp Running Slope	6	1.97	-0.01	-0.5	0.5% to 8.3%				
1110.96	1110.87	S6-48	S6-49	Ramp Cross Slope	6	5.39	-0.09	-1.7	0.1% to 2.0%				
1110.87	1110.97	S6-49	S6-47	Ramp Cross Slope	6	5.00	0.10	2.0	0.1% to 2.0%				
1110.87	1111.16	S6-49	S6-50	Ramp Running Slope	6	7.89	0.29	3.7	0.5% to 8.3%				
1111.16	1111.23	S6-50	S6-46	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1111.16	1111.23	S6-50	S6-51	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1111.23	1111.30	S6-51	S6-45	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1111.23	1111.21	S6-51	S6-52	Landing/Turning Space	6	1.50	-0.02	-1.3	0.1% to 2.0%				
1111.21	1111.11	S6-52	S6-53	Ramp Running Slope	6	8.20	-0.10	-1.2	0.5% to 8.3%				
1111.11	1111.16	S6-53	S6-54	Ramp Cross Slope	6	5.04	0.05	1.0	0.1% to 2.0%				
1111.16	1111.17	S6-54	S6-55	Ramp Running Slope	6	0.53	0.01	1.9	0.5% to 8.3%				
1111.17	1111.11	S6-55	S6-53	Ramp Cross Slope	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1111.17	1111.28	S6-55	S6-56	Ramp Running Slope	6	8.20	0.11	1.3	0.5% to 8.3%				
1111.28	1111.21	S6-56	S6-52	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1111.32	1112.09	S6-56	S6-57	Ramp Running Slope	6	15.00	0.77	5.1	0.5% to 8.3%				
1112.09	1112.16	S6-57	S6-58	Match Existing Cross Slope	6	5.00	0.07	1.4	Match Existing				
1112.16	1111.35	S6-58	S6-59	Ramp Running Slope	6	15.00	-0.81	-5.4	0.5% to 8.3%				
1111.35	1111.28	S6-59	S6-56	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1111.35	1111.37	S6-59	S6-60	Landing/Turning Space	6	1.50	0.02	1.3	0.1% to 2.0%				
1111.37	1111.30	S6-60	S6-45	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1111.37	1111.74	S6-60	S6-61	Ramp Running Slope	6	10.00	0.37	3.7	0.5% to 8.3%				
1111.74	1111.67	S6-61	S6-44	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1111.74	1111.92	S6-61	S6-62	Sidewalk Running Slope	6	5.00	0.18	3.6	0.5% to 5.0%				
1111.92	1111.81	S6-62	S6-43	Match Existing Cross Slope	6	5.00	-0.11	-2.2	Match Existing				
1112.44	1112.43	S7-01	S7-02	Landing/Turning Space	6	1.56	-0.01	-0.6	0.1% to 2.0%				
1112.43	1112.49	S7-02	S7-03	Landing/Turning Space	6	3.84	0.06	1.6	0.1% to 2.0%				
1112.49	1112.90	S7-03	S7-04	Ramp Running Slope	6	15.00	0.41	2.7	0.5% to 8.3%				
1112.90	1112.99	S7-04	S7-05	Match Existing Cross Slope	6	4.00	0.09	2.2	Match Existing				
1112.99	1112.57	S7-05	S7-06	Ramp Running Slope	6	15.00	-0.42	-2.8	0.5% to 8.3%				
1112.57	1112.49	S7-06	S7-03	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1112.57	1112.61	S7-06	S7-07	Landing/Turning Space	6	5.00	0.04	0.8	0.1% to 2.0%				
1112.61	1112.63	S7-07	S7-08	Landing/Turning Space	6	1.00	0.02	2.0	0.1% to 2.0%				
1112.63	1112.73	S7-08	S7-09	Landing/Turning Space	6	5.00	0.10	2.0	0.1% to 2.0%				
1112.73	1113.56	S7-09	S7-10	Ramp Running Slope	6	15.00	0.83	5.5	0.5% to 8.3%				
1113.56	1113.46	S7-10	S7-11	Match Existing Cross Slope	6	5.00	-0.10	-2.0	Match Existing				
1113.46	1112.66	S7-11	S7-12	Ramp Running Slope	6	15.00	-0.80	-5.3	0.5% to 8.3%				
1112.66	1112.73	S7-12	S7-09	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.66	1112.70	S7-12	S7-13	Landing/Turning Space	6	4.78	0.04	0.8	0.1% to 2.0%				
1112.70	1112.72	S7-13	S7-14	Landing/Turning Space	6	1.53	0.02	1.3	0.1% to 2.0%				
1112.72	1112.63	S7-14	S7-15	Match Existing Cross Slope	6	4.89	-0.09	-1.8	Match Existing				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS	T-R-S:	
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		
	Project No: 124.0890.01		

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STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1112.63	1112.70	S7-15	S7-13	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.63	1112.58	S7-15	S7-16	Landing/Turning Space	6	4.77	-0.05	-1.0	0.1% to 2.0%				
1112.58	1112.61	S7-16	S7-08	Landing/Turning Space	6	5.00	0.03	0.6	0.1% to 2.0%				
1112.58	1112.66	S7-16	S7-12	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.58	1112.50	S7-16	S7-17	Landing/Turning Space	6	6.00	-0.08	-1.3	0.1% to 2.0%				
1112.50	1112.54	S7-17	S7-18	Landing/Turning Space	6	5.00	0.04	0.8	0.1% to 2.0%				
1112.54	1112.49	S7-18	S7-03	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1112.54	1112.61	S7-18	S7-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.54	1112.47	S7-18	S7-19	Landing/Turning Space	6	3.85	-0.07	-1.8	0.1% to 2.0%				
1112.47	1112.44	S7-19	S7-01	Match Existing Cross Slope	6	5.25	-0.03	-0.6	Match Existing				
1112.47	1112.43	S7-19	S7-02	Landing/Turning Space	6	5.00	-0.04	-0.8	0.1% to 2.0%				
1112.57	1112.68	S7-20	S7-21	Match Existing Cross Slope	6	5.23	0.11	2.1	Match Existing				
1112.68	1112.66	S7-21	S7-22	Landing/Turning Space	6	1.56	-0.02	-1.3	0.1% to 2.0%				
1112.66	1112.57	S7-22	S7-20	Landing/Turning Space	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1112.66	1112.71	S7-22	S7-23	Landing/Turning Space	6	4.74	0.05	1.1	0.1% to 2.0%				
1112.71	1113.53	S7-23	S7-24	Ramp Running Slope	6	15.00	0.82	5.5	0.5% to 8.3%				
1113.53	1113.68	S7-24	S7-25	Sidewalk Running Slope	6	5.00	0.15	3.0	0.5% to 5.0%				
1113.68	1113.80	S7-25	S7-26	Match Existing Cross Slope	6	5.00	0.12	2.4	Match Existing				
1113.80	1113.60	S7-26	S7-27	Sidewalk Running Slope	6	5.00	-0.20	-4.0	0.5% to 5.0%				
1113.60	1113.53	S7-27	S7-24	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1113.60	1112.78	S7-27	S7-28	Ramp Running Slope	6	15.00	-0.82	-5.5	0.5% to 8.3%				
1112.78	1112.71	S7-28	S7-23	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.78	1112.71	S7-28	S7-29	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.71	1112.78	S7-29	S7-30	Landing/Turning Space	6	5.50	0.07	1.3	0.1% to 2.0%				
1112.78	1113.37	S7-30	S7-31	Ramp Running Slope	6	10.00	0.59	5.9	0.5% to 8.3%				
1113.37	1113.59	S7-31	S7-32	Sidewalk Running Slope	6	5.00	0.22	4.4	0.5% to 5.0%				
1113.59	1113.45	S7-32	S7-33	Match Existing Cross Slope	6	5.00	-0.14	-2.8	Match Existing				
1113.45	1113.30	S7-33	S7-34	Sidewalk Running Slope	6	5.00	-0.15	-3.0	0.5% to 5.0%				
1113.30	1113.37	S7-34	S7-31	Ramp Cross Slope	6	5.00	0.07	1.4	0.1% to 2.0%				
1113.30	1112.73	S7-34	S7-35	Ramp Running Slope	6	10.00	-0.57	-5.7	0.5% to 8.3%				
1112.73	1112.78	S7-35	S7-30	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.73	1112.69	S7-35	S7-36	Landing/Turning Space	6	4.53	-0.04	-0.9	0.1% to 2.0%				
1112.69	1112.68	S7-36	S7-37	Landing/Turning Space	6	1.41	-0.01	-0.7	0.1% to 2.0%				
1112.68	1112.61	S7-37	S7-38	Match Existing Cross Slope	6	5.24	-0.07	-1.3	Match Existing				
1112.61	1112.69	S7-38	S7-36	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.61	1112.68	S7-38	S7-39	Landing/Turning Space	6	4.50	0.07	1.6	0.1% to 2.0%				
1112.68	1112.73	S7-39	S7-35	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.68	1112.63	S7-39	S7-40	Landing/Turning Space	6	3.00	-0.05	-1.7	0.1% to 2.0%				
1112.63	1112.59	S7-40	S7-41	Landing/Turning Space	6	3.60	-0.04	-1.1	0.1% to 2.0%				
1112.59	1112.64	S7-41	S7-42	Landing/Turning Space	6	3.00	0.05	1.7	0.1% to 2.0%				
1112.64	1112.57	S7-42	S7-20	Landing/Turning Space	6	4.74	-0.07	-1.5	0.1% to 2.0%				
1112.64	1112.71	S7-42	S7-23	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.64	1112.71	S7-42	S7-29	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1113.42	1113.37	S7-43	S7-44	Sidewalk Running Slope	6	5.00	-0.05	-1.0	0.5% to 5.0%				
1113.37	1112.62	S7-44	S7-45	Ramp Running Slope	6	15.00	-0.75	-5.0	0.5% to 8.3%				
1112.62	1112.60	S7-45	S7-46	Landing/Turning Space	6	2.27	-0.02	-0.9	0.1% to 2.0%				
1112.60	1112.59	S7-46	S7-47	Landing/Turning Space	6	1.51	-0.01	-0.7	0.1% to 2.0%				
1112.59	1112.50	S7-47	S7-48	Match Existing Cross Slope	6	5.24	-0.09	-1.7	Match Existing				
1112.50	1112.59	S7-48	S7-46	Landing/Turning Space	6	5.00	0.09	1.8	0.1% to 2.0%				
1112.50	1112.54	S7-48	S7-49	Landing/Turning Space	6	2.28	0.04	1.8	0.1% to 2.0%				
1112.54	1112.62	S7-49	S7-45	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
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	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.20

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1112.54	1112.56	S7-49	S7-50	Landing/Turning Space	6	2.00	0.02	1.0	0.1% to 2.0%				
1112.56	1112.61	S7-50	S7-51	Landing/Turning Space	6	6.58	0.05	0.8	0.1% to 2.0%				
1112.61	1112.63	S7-51	S7-52	Landing/Turning Space	6	2.50	0.02	0.8	0.1% to 2.0%				
1112.63	1112.64	S7-52	S7-53	Landing/Turning Space	6	1.00	0.01	1.0	0.1% to 2.0%				
1112.64	1112.61	S7-53	S7-54	Landing/Turning Space	6	3.30	-0.03	-0.9	0.1% to 2.0%				
1112.61	1112.66	S7-54	S7-55	Match Existing Cross Slope	6	5.21	0.05	1.0	Match Existing				
1112.66	1112.67	S7-55	S7-56	Landing/Turning Space	6	1.42	0.01	0.7	0.1% to 2.0%				
1112.67	1112.61	S7-56	S7-54	Landing/Turning Space	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1112.67	1112.71	S7-56	S7-57	Landing/Turning Space	6	3.30	0.04	1.2	0.1% to 2.0%				
1112.71	1112.64	S7-57	S7-53	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.71	1113.58	S7-57	S7-58	Ramp Running Slope	6	15.00	0.87	5.8	0.5% to 8.3%				
1113.58	1113.65	S7-58	S7-59	Sidewalk Running Slope	6	5.00	0.07	1.4	0.5% to 5.0%				
1113.65	1113.80	S7-59	S7-60	Match Existing Cross Slope	6	5.00	0.15	3.0	Match Existing				
1113.80	1113.65	S7-60	S7-61	Sidewalk Running Slope	6	5.00	-0.15	-3.0	0.5% to 5.0%				
1113.65	1113.58	S7-61	S7-58	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1113.65	1112.78	S7-61	S7-62	Ramp Running Slope	6	15.00	-0.87	-5.8	0.5% to 8.3%				
1112.78	1112.71	S7-62	S7-57	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.78	1112.70	S7-62	S7-63	Landing/Turning Space	6	6.00	-0.08	-1.3	0.1% to 2.0%				
1112.70	1112.63	S7-63	S7-52	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.70	1112.68	S7-63	S7-64	Landing/Turning Space	6	1.83	-0.02	-1.1	0.1% to 2.0%				
1112.68	1112.63	S7-64	S7-65	Landing/Turning Space	6	2.47	-0.05	-2.0	0.1% to 2.0%				
1112.63	1112.54	S7-65	S7-49	Landing/Turning Space	6	4.50	-0.09	-2.0	0.1% to 2.0%				
1112.63	1112.70	S7-65	S7-66	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.70	1112.62	S7-66	S7-45	Landing/Turning Space	6	4.50	-0.08	-1.8	0.1% to 2.0%				
1112.70	1113.45	S7-66	S7-67	Ramp Running Slope	6	15.00	0.75	5.0	0.5% to 8.3%				
1113.45	1113.37	S7-67	S7-44	Ramp Cross Slope	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1113.45	1113.60	S7-67	S7-68	Sidewalk Running Slope	6	5.00	0.15	3.0	0.5% to 5.0%				
1113.60	1113.42	S7-68	S7-43	Match Existing Cross Slope	6	5.00	-0.18	-3.6	Match Existing				
1113.51	1113.44	S7-69	S7-70	Sidewalk Running Slope	6	5.00	-0.07	-1.4	0.5% to 5.0%				
1113.44	1112.75	S7-70	S7-71	Ramp Running Slope	6	15.00	-0.69	-4.6	0.5% to 8.3%				
1112.75	1112.72	S7-71	S7-72	Landing/Turning Space	6	4.40	-0.03	-0.7	0.1% to 2.0%				
1112.72	1112.71	S7-72	S7-73	Landing/Turning Space	6	1.52	-0.01	-0.7	0.1% to 2.0%				
1112.71	1112.64	S7-73	S7-74	Match Existing Cross Slope	6	5.24	-0.07	-1.3	Match Existing				
1112.64	1112.72	S7-74	S7-72	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.64	1112.67	S7-74	S7-75	Landing/Turning Space	6	4.40	0.03	0.7	0.1% to 2.0%				
1112.67	1112.75	S7-75	S7-71	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.67	1112.61	S7-75	S7-76	Landing/Turning Space	6	3.00	-0.06	-2.0	0.1% to 2.0%				
1112.61	1112.64	S7-76	S7-77	Landing/Turning Space	6	5.00	0.03	0.6	0.1% to 2.0%				
1112.64	1112.54	S7-77	S7-78	Landing/Turning Space	6	6.70	-0.10	-1.5	0.1% to 2.0%				
1112.54	1112.49	S7-78	S7-79	Match Existing Cross Slope	6	5.25	-0.05	-1.0	Match Existing				
1112.49	1112.50	S7-79	S7-80	Landing/Turning Space	6	1.70	0.01	0.6	0.1% to 2.0%				
1112.50	1112.54	S7-80	S7-78	Landing/Turning Space	6	5.00	0.04	0.8	0.1% to 2.0%				
1112.50	1112.61	S7-80	S7-81	Landing/Turning Space	6	6.68	0.11	1.6	0.1% to 2.0%				
1112.61	1112.64	S7-81	S7-77	Landing/Turning Space	6	5.00	0.03	0.6	0.1% to 2.0%				
1112.61	1113.04	S7-81	S7-82	Ramp Running Slope	6	15.00	0.43	2.9	0.5% to 8.3%				
1113.04	1112.75	S7-82	S7-83	Sidewalk Running Slope	6	21.78	-0.29	-1.3	0.5% to 5.0%				
1112.75	1112.83	S7-83	S7-84	Match Existing Cross Slope	6	5.00	0.08	1.6	Match Existing				
1112.83	1113.13	S7-84	S7-85	Sidewalk Running Slope	6	21.78	0.30	1.4	0.5% to 5.0%				
1113.13	1113.04	S7-85	S7-82	Ramp Cross Slope	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1113.04	1112.68	S7-85	S7-86	Ramp Running Slope	6	15.00	-0.36	-2.4	0.5% to 8.3%				
1112.68	1112.61	S7-86	S7-81	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.21
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.21

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1112.68	1112.73	S7-86	S7-87	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.73	1112.64	S7-87	S7-77	Landing/Turning Space	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1112.73	1112.78	S7-87	S7-88	Landing/Turning Space	6	3.00	0.05	1.7	0.1% to 2.0%				
1112.78	1112.75	S7-88	S7-71	Landing/Turning Space	6	5.00	-0.03	-0.6	0.1% to 2.0%				
1112.78	1113.51	S7-88	S7-89	Ramp Running Slope	6	15.00	0.73	4.9	0.5% to 8.3%				
1113.51	1113.44	S7-89	S7-70	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1113.51	1113.69	S7-89	S7-90	Sidewalk Running Slope	6	5.00	0.18	3.6	0.5% to 5.0%				
1113.69	1113.51	S7-90	S7-69	Match Existing Cross Slope	6	5.00	-0.18	-3.6	Match Existing				
1112.89	1112.91	S8-01	S8-02	Landing/Turning Space	6	1.62	0.02	1.2	0.1% to 2.0%				
1112.91	1112.98	S8-02	S8-03	Landing/Turning Space	6	5.16	0.07	1.4	0.1% to 2.0%				
1112.98	1113.65	S8-03	S8-04	Ramp Running Slope	6	15.00	0.67	4.5	0.5% to 8.3%				
1113.65	1113.75	S8-04	S8-05	Match Existing Cross Slope	6	5.00	0.10	2.0	Match Existing				
1113.75	1113.05	S8-05	S8-06	Ramp Running Slope	6	15.00	-0.70	-4.7	0.5% to 8.3%				
1113.05	1112.98	S8-06	S8-03	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1113.05	1112.98	S8-06	S8-07	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.98	1113.05	S8-07	S8-08	Landing/Turning Space	6	6.00	0.07	1.2	0.1% to 2.0%				
1113.05	1113.79	S8-08	S8-09	Ramp Running Slope	6	15.00	0.74	4.9	0.5% to 8.3%				
1113.79	1113.69	S8-09	S8-10	Match Existing Cross Slope	6	5.00	-0.10	-2.0	Match Existing				
1113.69	1112.98	S8-10	S8-11	Ramp Running Slope	6	15.00	-0.71	-4.7	0.5% to 8.3%				
1112.98	1113.05	S8-11	S8-08	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.98	1112.93	S8-11	S8-12	Landing/Turning Space	6	5.46	-0.05	-0.9	0.1% to 2.0%				
1112.93	1112.92	S8-12	S8-13	Landing/Turning Space	6	1.13	-0.01	-0.9	0.1% to 2.0%				
1112.92	1112.87	S8-13	S8-14	Match Existing Cross Slope	6	5.14	-0.05	-1.0	Match Existing				
1112.87	1112.93	S8-14	S8-12	Landing/Turning Space	6	5.00	0.06	1.2	0.1% to 2.0%				
1112.87	1112.91	S8-14	S8-15	Landing/Turning Space	6	5.15	0.04	0.8	0.1% to 2.0%				
1112.91	1112.98	S8-15	S8-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.91	1112.84	S8-15	S8-16	Landing/Turning Space	6	6.00	-0.07	-1.2	0.1% to 2.0%				
1112.84	1112.91	S8-16	S8-17	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.91	1112.98	S8-17	S8-03	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.91	1112.98	S8-17	S8-07	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.91	1112.84	S8-17	S8-18	Landing/Turning Space	6	5.15	-0.07	-1.4	0.1% to 2.0%				
1112.84	1112.89	S8-18	S8-01	Match Existing Cross Slope	6	5.27	0.05	0.9	Match Existing				
1112.84	1112.91	S8-18	S8-02	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.74	1112.81	S8-19	S8-20	Landing/Turning Space	6	5.19	0.07	1.3	0.1% to 2.0%				
1112.81	1112.79	S8-20	S8-21	Landing/Turning Space	6	1.23	-0.02	-1.6	0.1% to 2.0%				
1112.79	1112.74	S8-21	S8-19	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1112.79	1112.74	S8-21	S8-22	Landing/Turning Space	6	4.83	-0.05	-1.0	0.1% to 2.0%				
1112.74	1113.38	S8-22	S8-23	Ramp Running Slope	6	15.00	0.64	4.3	0.5% to 8.3%				
1113.38	1113.48	S8-23	S8-24	Match Existing Cross Slope	6	5.00	0.10	2.0	Match Existing				
1113.48	1112.78	S8-24	S8-25	Sidewalk Cross Slope	6	15.00	-0.70	-4.7	0.5% to 8.3%				
1112.78	1112.74	S8-25	S8-22	Landing/Turning Space	6	5.00	-0.04	-0.8	0.1% to 2.0%				
1112.78	1112.70	S8-25	S8-26	Landing/Turning Space	6	5.50	-0.08	-1.5	0.1% to 2.0%				
1112.70	1112.74	S8-26	S8-27	Landing/Turning Space	6	5.00	0.04	0.8	0.1% to 2.0%				
1112.74	1113.08	S8-27	S8-28	Ramp Running Slope	6	15.00	0.34	2.3	0.5% to 8.3%				
1113.08	1113.12	S8-28	S8-29	Match Existing Cross Slope	6	5.00	0.04	0.8	Match Existing				
1113.12	1112.66	S8-29	S8-30	Ramp Running Slope	6	15.00	-0.46	-3.1	0.5% to 8.3%				
1112.66	1112.74	S8-30	S8-27	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.66	1112.56	S8-30	S8-31	Landing/Turning Space	6	5.17	-0.10	-1.9	0.1% to 2.0%				
1112.56	1112.54	S8-31	S8-32	Landing/Turning Space	6	1.67	-0.02	-1.2	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet S.22
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.22

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1112.54	1112.51	S8-32	S8-33	Landing/Turning Space	6	5.29	-0.03	-0.6	0.1% to 2.0%				
1112.51	1112.56	S8-33	S8-31	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.51	1112.61	S8-33	S8-34	Landing/Turning Space	6	5.17	0.10	1.9	0.1% to 2.0%				
1112.61	1112.70	S8-34	S8-26	Landing/Turning Space	6	5.00	0.09	1.8	0.1% to 2.0%				
1112.61	1112.66	S8-34	S8-30	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.61	1112.58	S8-34	S8-35	Landing/Turning Space	6	5.00	-0.03	-0.6	0.1% to 2.0%				
1112.58	1112.66	S8-35	S8-36	Landing/Turning Space	6	5.50	0.08	1.5	0.1% to 2.0%				
1112.66	1112.74	S8-36	S8-19	Landing/Turning Space	6	4.82	0.08	1.7	0.1% to 2.0%				
1112.66	1112.74	S8-36	S8-22	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
1112.66	1112.70	S8-36	S8-26	Landing/Turning Space	6	5.00	0.04	0.8	0.1% to 2.0%				
1113.07	1113.37	S8-37	S8-38	Ramp Running Slope	6	5.00	0.30	6.0	0.5% to 8.3%				
1113.37	1113.27	S8-38	S8-39	Landing/Turning Space	6	5.00	-0.10	-2.0	0.1% to 2.0%				
1113.27	1112.81	S8-39	S8-40	Ramp Running Slope	6	10.00	-0.46	-4.6	0.5% to 8.3%				
1112.81	1112.68	S8-40	S8-41	Ramp Running Slope	6	3.22	-0.13	-4.0	0.5% to 8.3%				
1112.68	1112.77	S8-41	S8-42	Match Existing Cross Slope	6	5.00	0.09	1.8	Match Existing				
1112.77	1112.89	S8-42	S8-43	Ramp Running Slope	6	3.22	0.12	3.7	0.5% to 8.3%				
1112.89	1112.81	S8-43	S8-40	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1112.89	1112.82	S8-43	S8-44	Landing/Turning Space	6	7.00	-0.07	-1.0	0.1% to 2.0%				
1112.82	1112.89	S8-44	S8-45	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1112.89	1112.77	S8-45	S8-46	Ramp Running Slope	6	6.61	-0.12	-1.8	0.1% to 2.0%				
1112.77	1112.93	S8-46	S8-47	Match Existing Cross Slope	6	5.75	0.16	2.8	Match Existing				
1112.93	1112.84	S8-47	S8-48	Ramp Running Slope	6	2.82	-0.09	-3.2	0.5% to 8.3%				
1112.84	1112.77	S8-48	S8-46	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.84	1112.96	S8-48	S8-49	Ramp Running Slope	6	6.59	0.12	1.8	0.5% to 8.3%				
1112.96	1112.89	S8-49	S8-45	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.96	1113.88	S8-49	S8-50	Ramp Running Slope	6	15.00	0.92	6.1	0.5% to 8.3%				
1113.88	1113.92	S8-50	S8-51	Match Existing Cross Slope	6	5.00	0.04	0.8	Match Existing				
1113.92	1113.02	S8-51	S8-52	Ramp Running Slope	6	15.00	-0.90	-6.0	0.5% to 8.3%				
1113.02	1112.96	S8-52	S8-49	Landing/Turning Space	6	7.00	-0.06	-0.9	0.1% to 2.0%				
1113.02	1112.96	S8-52	S8-53	Landing/Turning Space	6	5.00	-0.06	-1.2	0.1% to 2.0%				
1112.96	1112.89	S8-53	S8-43	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.96	1112.89	S8-53	S8-45	Landing/Turning Space	6	7.00	-0.07	-1.0	0.1% to 2.0%				
1112.96	1112.88	S8-53	S8-54	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
1112.88	1112.81	S8-54	S8-40	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1112.88	1113.37	S8-54	S8-55	Ramp Running Slope	6	10.00	0.49	4.9	0.5% to 8.3%				
1113.37	1113.27	S8-55	S8-39	Landing/Turning Space	6	5.00	-0.10	-2.0	0.1% to 2.0%				
1113.37	1113.47	S8-55	S8-56	Landing/Turning Space	6	5.00	0.10	2.0	0.1% to 2.0%				
1113.47	1113.37	S8-56	S8-38	Landing/Turning Space	6	5.00	-0.10	-2.0	0.1% to 2.0%				
1113.47	1113.44	S8-56	S8-57	Ramp Running Slope	6	5.00	-0.03	-0.6	0.5% to 8.3%				
1113.44	1113.07	S8-57	S8-37	Match Existing Cross Slope	6	5.00	-0.37	-7.4	Match Existing				
1113.82	1113.20	S8-58	S8-59	Ramp Running Slope	6	10.00	-0.62	-6.2	0.5% to 8.3%				
1113.20	1113.15	S8-59	S8-60	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1113.15	1113.11	S8-60	S8-61	Landing/Turning Space	6	4.44	-0.04	-0.9	0.1% to 2.0%				
1113.11	1113.09	S8-61	S8-62	Landing/Turning Space	6	2.67	-0.02	-0.7	0.1% to 2.0%				
1113.09	1113.01	S8-62	S8-63	Landing/Turning Space	6	5.69	-0.08	-1.4	0.1% to 2.0%				
1113.01	1113.11	S8-63	S8-61	Landing/Turning Space	6	5.00	0.10	2.0	0.1% to 2.0%				
1113.01	1113.08	S8-63	S8-64	Landing/Turning Space	6	4.44	0.07	1.6	0.1% to 2.0%				
1113.08	1113.15	S8-64	S8-60	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1113.08	1113.13	S8-64	S8-65	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
1113.13	1113.20	S8-65	S8-59	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1113.13	1113.06	S8-65	S8-66	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
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	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.23

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Starting Elevation	Ending Elevation	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1113.06	1113.10	S8-66	S8-67	Landing/Turning Space	6	6.00	0.04	0.7	0.1% to 2.0%				
1113.10	1112.87	S8-67	S8-68	Ramp Running Slope	6	3.19	-0.23	-7.2	0.5% to 8.3%				
1112.87	1112.92	S8-68	S8-69	Ramp Cross Slope	6	5.00	0.05	1.0	0.1% to 2.0%				
1112.92	1113.15	S8-69	S8-70	Ramp Running Slope	6	3.18	0.23	7.2	0.5% to 8.3%				
1113.15	1113.10	S8-70	S8-67	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1113.15	1113.38	S8-70	S8-71	Ramp Running Slope	6	10.00	0.23	2.3	0.5% to 8.3%				
1113.38	1113.48	S8-71	S8-72	Sidewalk Running Slope	6	5.00	0.10	2.0	0.5% to 5.0%				
1113.48	1113.61	S8-72	S8-73	Match Existing Cross Slope	6	5.00	0.13	2.6	Match Existing				
1113.61	1113.45	S8-73	S8-74	Sidewalk Running Slope	6	5.00	-0.16	-3.2	0.5% to 5.0%				
1113.45	1113.38	S8-74	S8-71	Ramp Cross Slope	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1113.45	1113.24	S8-74	S8-75	Ramp Running Slope	6	10.00	-0.21	-2.1	0.5% to 8.3%				
1113.24	1113.15	S8-75	S8-70	Landing/Turning Space	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1113.24	1113.19	S8-75	S8-76	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1113.19	1113.10	S8-76	S8-67	Landing/Turning Space	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1113.19	1113.18	S8-76	S8-77	Landing/Turning Space	6	1.00	-0.01	-1.0	0.1% to 2.0%				
1113.18	1113.13	S8-77	S8-65	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1113.18	1113.25	S8-77	S8-78	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1113.25	1113.20	S8-78	S8-59	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
1113.25	1113.88	S8-78	S8-79	Ramp Running Slope	6	10.00	0.63	6.3	0.5% to 8.3%				
1113.88	1113.82	S8-79	S8-58	Match Existing Cross Slope	6	5.00	-0.06	-1.2	Match Existing				
1120.64	1120.74	S9-01	S9-02	Ramp Cross Slope	6	6.33	0.10	1.6	0.1% to 2.0%				
1120.74	1121.05	S9-02	S9-03	Ramp Running Slope	6	6.36	0.31	4.9	0.5% to 8.3%				
1121.05	1121.12	S9-03	S9-04	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1121.12	1121.05	S9-04	S9-05	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1121.05	1120.98	S9-05	S9-06	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1120.98	1121.05	S9-06	S9-03	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1120.98	1120.69	S9-06	S9-07	Ramp Running Slope	6	5.62	-0.29	-5.2	0.5% to 8.3%				
1120.69	1120.64	S9-07	S9-01	Ramp Running Slope	6	3.71	-0.05	-1.3	0.5% to 8.3%				
1120.69	1120.74	S9-07	S9-02	Ramp Cross Slope	6	5.00	0.05	1.0	0.1% to 2.0%				
1121.57	1121.63	S9-08	S9-09	Ramp Cross Slope	6	5.09	0.06	1.2	0.1% to 2.0%				
1121.63	1121.66	S9-09	S9-10	Ramp Running Slope	6	0.63	0.03	4.8	0.5% to 8.3%				
1121.66	1121.57	S9-10	S9-08	Ramp Cross Slope	6	5.00	-0.09	-1.8	0.1% to 2.0%				
1121.66	1122.11	S9-10	S9-11	Ramp Running Slope	6	8.58	0.45	5.2	0.5% to 8.3%				
1122.11	1122.18	S9-11	S9-12	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1122.18	1122.11	S9-12	S9-13	Match Existing Cross Slope	6	5.00	-0.07	-1.4	Match Existing				
1122.11	1122.04	S9-13	S9-14	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
1122.04	1122.11	S9-14	S9-11	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
1122.04	1121.57	S9-14	S9-08	Ramp Running Slope	6	8.58	-0.47	-5.5	0.5% to 8.3%				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
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	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SIDEWALK DETAILS

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet S.24

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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill							Checks (EW-102)		Topsoil							
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Manually Calculated Fill Adjustments (+/- Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink				
15TH																						
104+25.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
104+50.00	2	0	2	0	0	0	0	0	0	0	0	0			2	0	0	2				
104+75.00	19	16	3	0	16	0	0	0	2	2	3	13			3	4	5	-2				
105+00.00	16	13	3	0	13	0	0	0	3	3	3	10			3	3	4	-1				
105+25.00	15	12	3	0	12	0	0	0	3	3	4	8			3	3	4	-1				
105+50.00	17	13	4	0	13	0	0	0	3	3	4	9			4	4	5	-1				
105+75.00	42	34	8	0	34	0	0	0	5	5	7	27			8	8	12	-3				
106+00.00	43	35	8	0	35	0	0	0	4	4	5	29			8	7	10	-2				
106+25.00	25	24	1	2	24	2	0	2	0	4	6	19			1	1	1	0				
106+50.00	35	31	4	2	31	2	0	2	1	4	6	25			4	3	4	0				
106+75.00	35	30	6	0	30	0	0	0	3	3	4	25			6	6	8	-2				
107+00.00	28	23	5	10	23	11	1	10	4	27	35	-12			5	35	49	-44				
107+25.00	20	16	4	9	16	14	3	9	5	30	39	-24			4	15	20	-16				
107+50.00	27	22	6	6	22	7	1	6	4	19	24	-3			6	9	13	-7				
107+75.00	20	20	1	2	20	2	0	2	0	4	5	14			1	0	0	1				
108+00.00	37	35	2	0	35	0	0	0	0	0	0	35			2	0	0	2				
108+25.00	66	57	9	0	57	0	0	0	4	4	5	52			9	6	8	2				
108+50.00	34	31	3	0	31	0	0	0	2	2	3	28			3	3	4	-1				
108+75.00	37	29	8	1	29	6	4	1	5	15	20	9			8	9	12	-5				
109+00.00	35	27	7	0	27	2	2	0	5	9	11	16			7	7	10	-2				
109+25.00	35	32	4	0	32	0	0	0	5	6	8	24			4	5	7	-4				
109+50.00	31	28	3	0	28	0	0	0	3	3	4	25			3	3	4	-1				
109+75.00	31	23	8	0	23	0	0	0	2	3	3	20			8	3	4	5				
110+00.00	16	10	6	0	10	0	0	0	0	0	0	10			6	0	0	5				
110+25.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
15TH Totals:	666	559	107	32	559	48	11	32	64	154	199	360	0	0	107	133	186	-79				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet T.1
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EARTHWORK QUANTITIES

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
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515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet T.1

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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill							Checks (EW-102)		Topsoil							
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Manually Calculated Fill Adjustments (+/- Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink				
2ND																						
202+25.00	4	1	3	0	1	0	0	0	0	0	0	0			3	0	0	3				
202+50.00	27	21	6	0	21	2	2	0	5	9	11	9			6	8	11	-5				
202+75.00	27	22	5	0	22	1	1	0	5	7	8	14			5	6	9	-4				
203+00.00	32	27	5	0	27	0	0	0	5	5	7	21			5	5	7	-2				
203+25.00	38	34	5	0	34	0	0	0	4	4	6	28			5	3	5	0				
203+50.00	50	45	5	1	45	1	0	1	4	5	7	38			5	9	13	-9				
203+75.00	79	76	3	1	76	1	0	1	4	6	7	69			3	31	43	-41				
204+00.00	54	50	4	1	50	1	0	1	5	6	8	42			4	31	43	-39				
204+25.00	52	45	6	2	45	6	3	2	5	15	20	25			6	33	46	-40				
204+50.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
204+75.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
205+00.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
205+25.00	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0				
205+50.00	51	43	8	0	43	0	0	0	5	6	8	35			8	5	7	2				
205+75.00	28	24	5	0	24	0	0	0	3	3	3	20			5	2	3	2				
206+00.00	29	25	4	0	25	0	0	0	3	3	3	22			4	2	3	1				
206+25.00	24	24	0	0	24	0	0	0	2	2	3	21			0	2	3	-3				
206+50.00	16	13	3	0	13	0	0	0	1	1	1	12			3	1	1	2				
206+75.00	13	6	8	0	6	0	0	0	0	0	0	6			8	0	0	8				
207+00.00	11	5	7	0	5	0	0	0	1	2	2	2			7	2	3	4				
207+25.00	1	1	0	0	1	0	0	0	0	0	0	0			0	0	1	-1				
2ND																						
Totals:	538	462	76	4	462	11	7	4	54	74	97	366	0	0	76	142	199	-123				

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet T.2
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EARTHWORK QUANTITIES

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 124.0890.01

Sheet T.2

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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill							Checks (EW-102)		Topsoil							
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Existing Pavement Undercut (+Fill)	Manually Calculated Fill Adjustments (+/- Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink				
Summary:																						
15TH	666	559	107	32	559	48	11	32	64	154	199	360	0	0	107	133	186	-79				
2ND	538	462	76	4	462	11	7	4	54	74	97	366	0	0	76	142	199	-123				
Project Totals:	1,204	1,021	183	36	1,021	59	18	36	118	228	296	726	0	0	183	275	385	-202				

Excavation, Class 10, Roadway & Borrow
296
[11]

Excavation, Class 10, Waste
726
[5]-[11]

Topsoil, Strip, Salvage, & Spread
183
[15]

Topsoil, Furnish & Spread
144
[18]/1.4

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		
	STP-U-2690(643)--70-94		Sheet T.3
	Project No: 124.0890.01		

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

EARTHWORK QUANTITIES

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
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Project No: 124.0890.01

Sheet T.3

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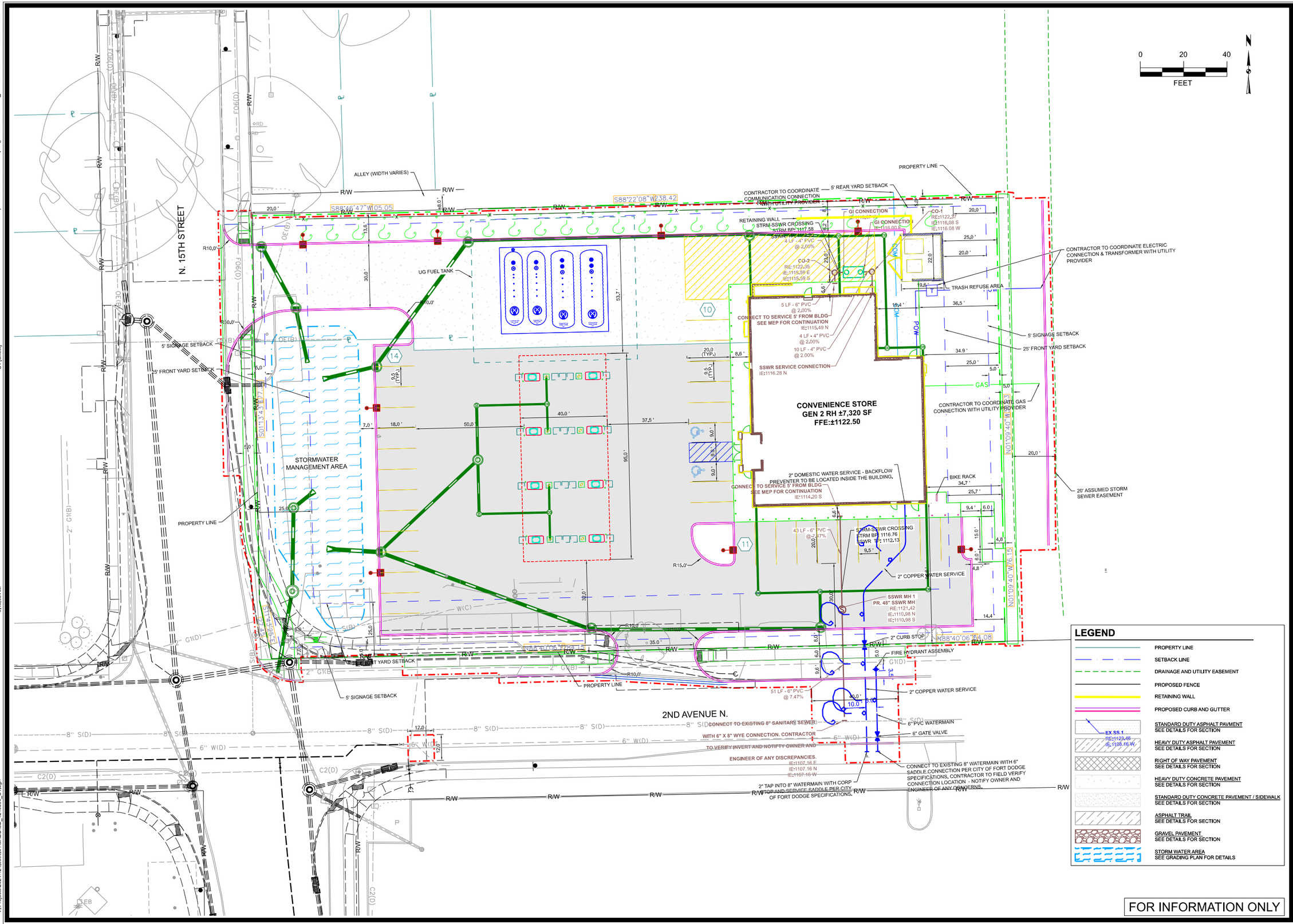

LEGEND

- PROPERTY LINE
- SETBACK LINE
- DRAINAGE AND UTILITY EASEMENT
- PROPOSED FENCE
- RETAINING WALL
- PROPOSED CURB AND GUTTER
- STANDARD DUTY ASPHALT PAVMENT — SEE DETAILS FOR SECTION
- HEAVY DUTY ASPHALT PAVEMENT — SEE DETAILS FOR SECTION
- RIGHT OF WAY PAVEMENT — SEE DETAILS FOR SECTION
- HEAVY DUTY CONCRETE PAVEMENT — SEE DETAILS FOR SECTION
- STANDARD DUTY CONCRETE PAVEMENT / SIDEWALK — SEE DETAILS FOR SECTION
- ASPHALT TRAIL — SEE DETAILS FOR SECTION
- GRAVEL PAVEMENT — SEE DETAILS FOR SECTION
- STORM WATER AREA — SEE GRADING PLAN FOR DETAILS

FOR INFORMATION ONLY

MARK	REVISION	DATE	BY
Engineer: SJR	Checked By: JMS		T-R-S:
Technician: EIG	Date: 2/17/2026		

STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet U.1

STP-U-2690(643)--70-94

CITY OF FORT DODGE, IOWA

N. 15TH STREET IMPROVEMENTS

SPECIAL DETAILS

SNYDER & ASSOCIATES, INC.
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Project No: 124.0890.01

Sheet U.1

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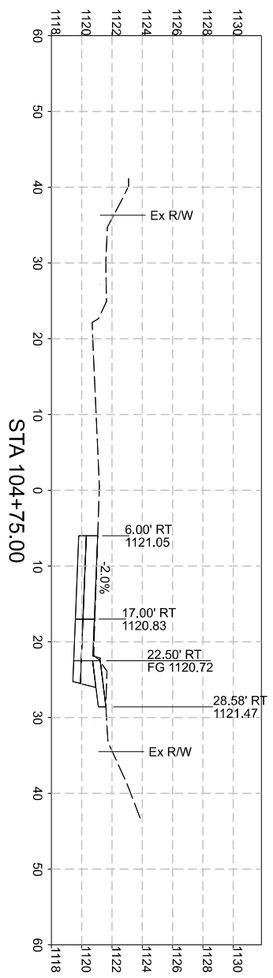
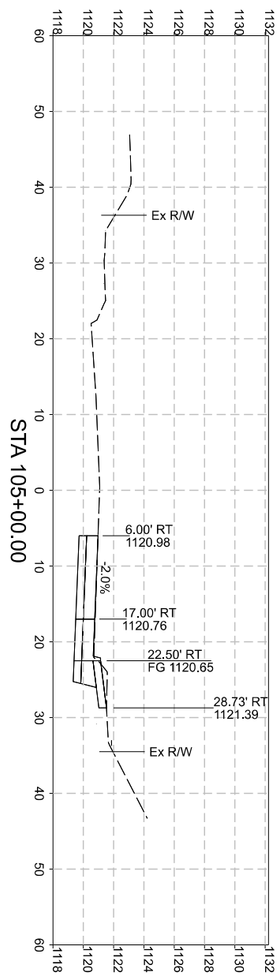
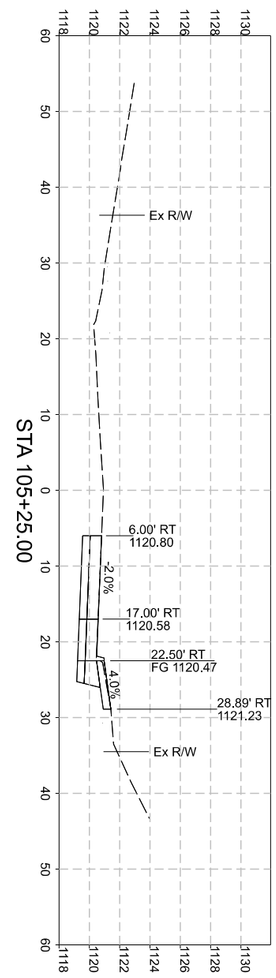
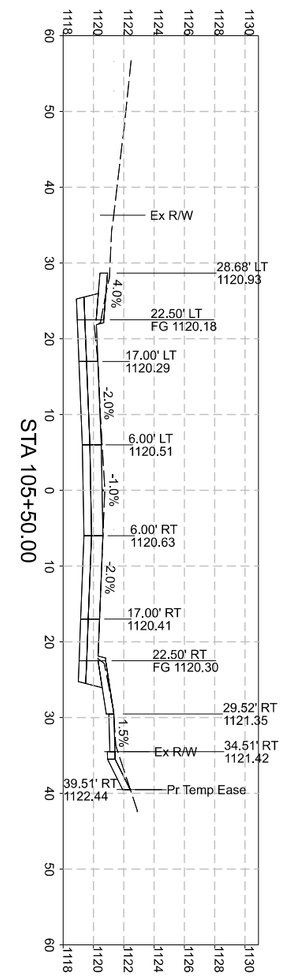
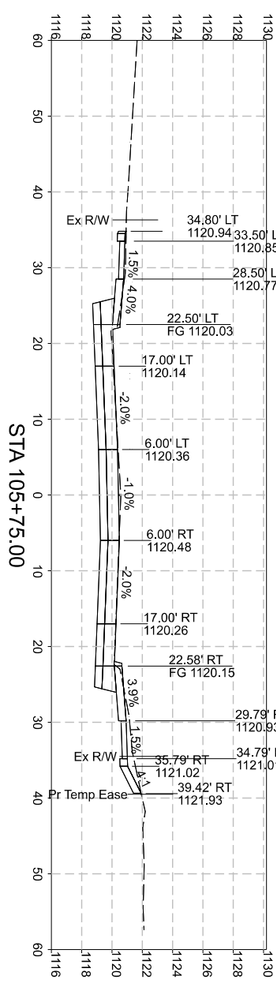
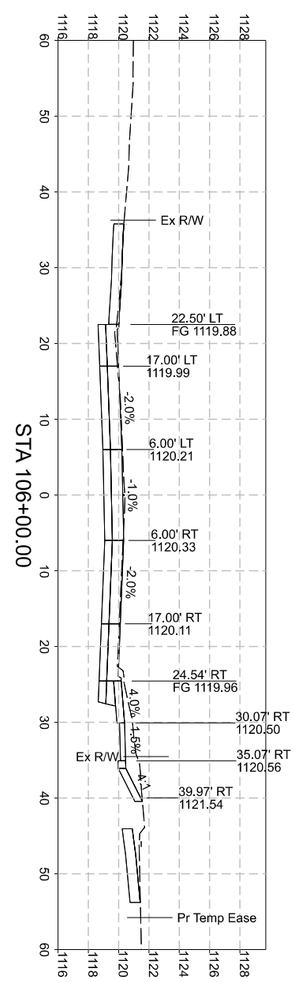


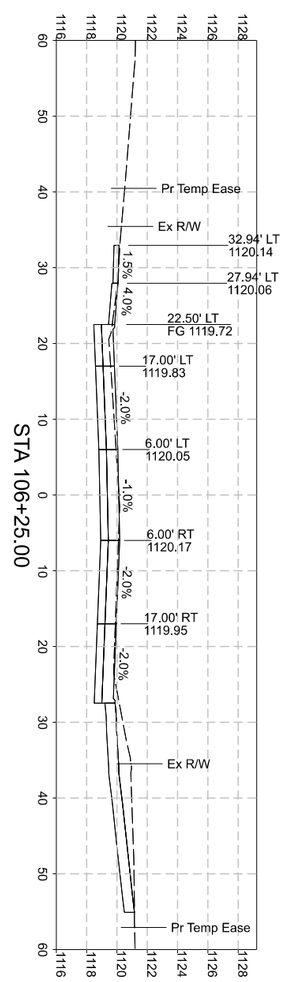


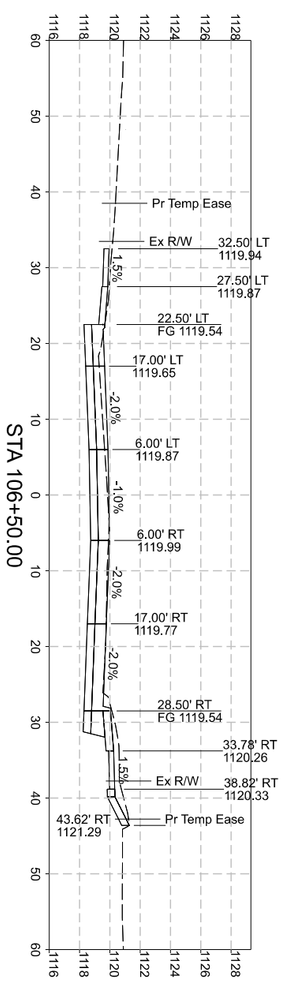












Sheet W.1

Project No: 124.0890.01

SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

MAINLINE CROSS SECTIONS

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

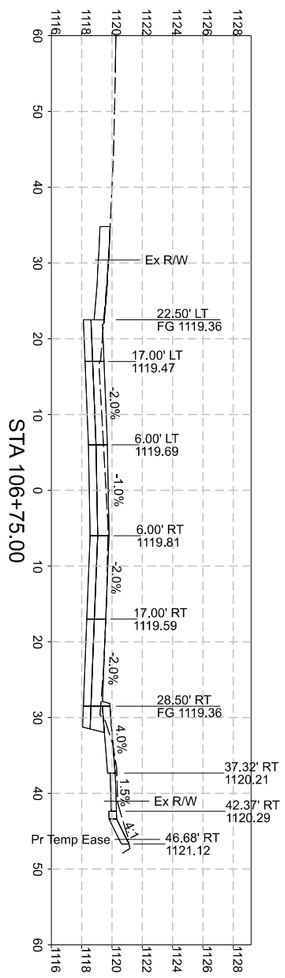
MARK	REVISION	DATE	BY

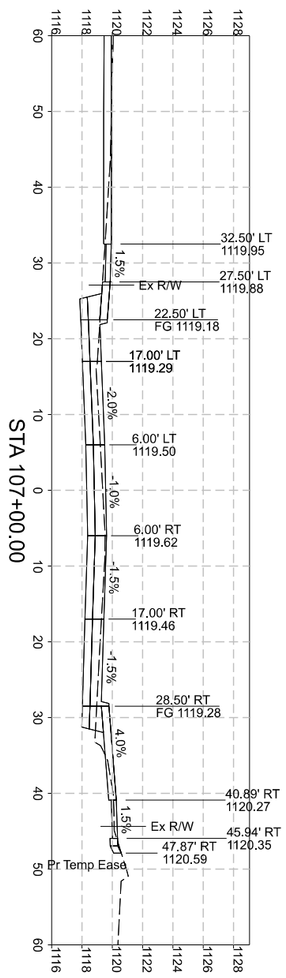
Engineer: SJR | Checked By: JMS

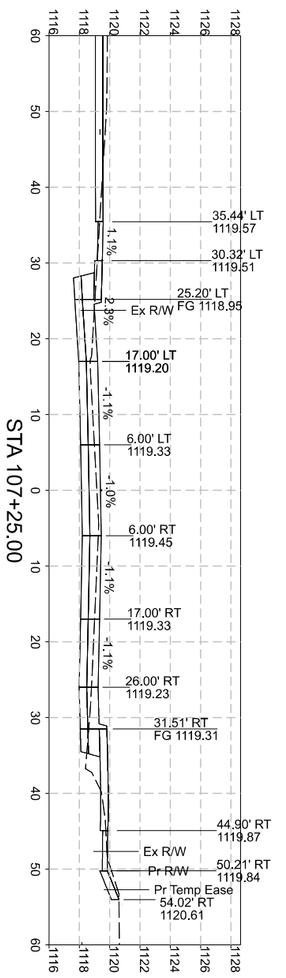
Technician: EIG | Date: 2/17/2026 | T-R-S:

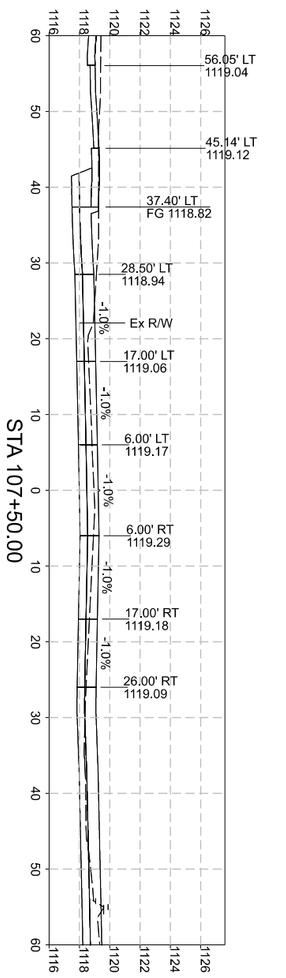
STP-U-2690(643)--70-94
Project No: 124.0890.01

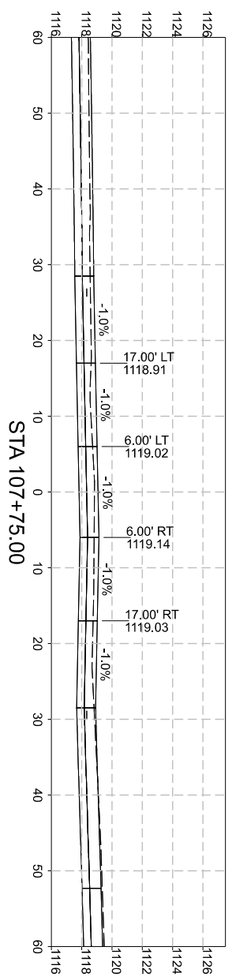
Sheet W.1

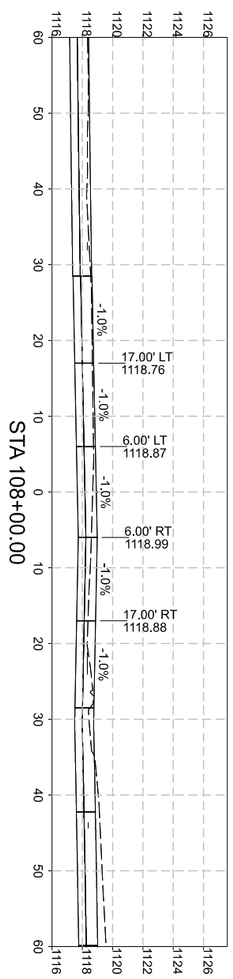


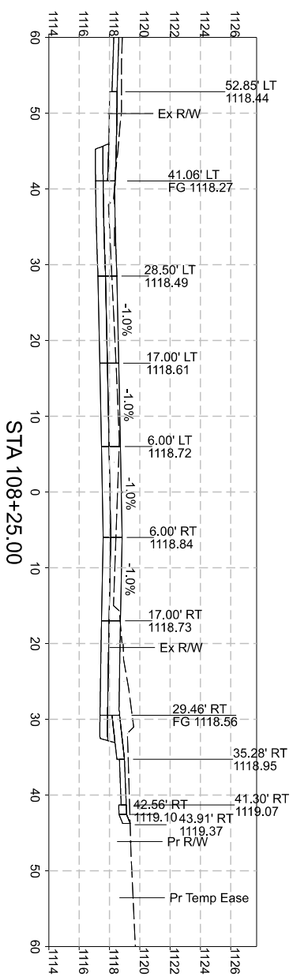


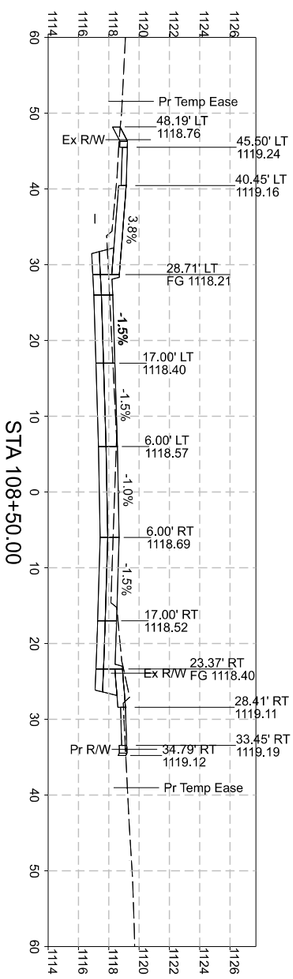












SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

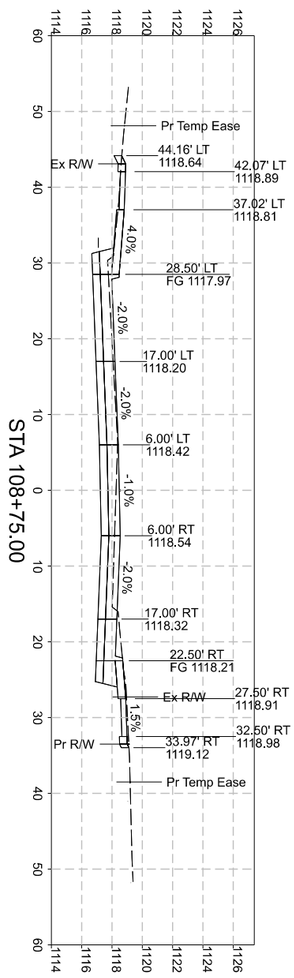
MAINLINE CROSS SECTIONS

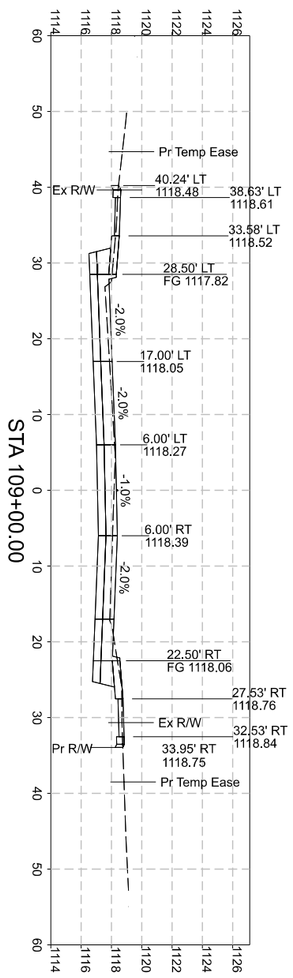
CITY OF FORT DODGE, IOWA

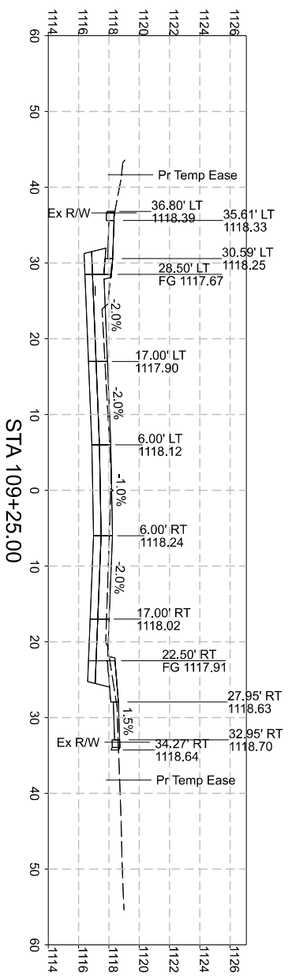
SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

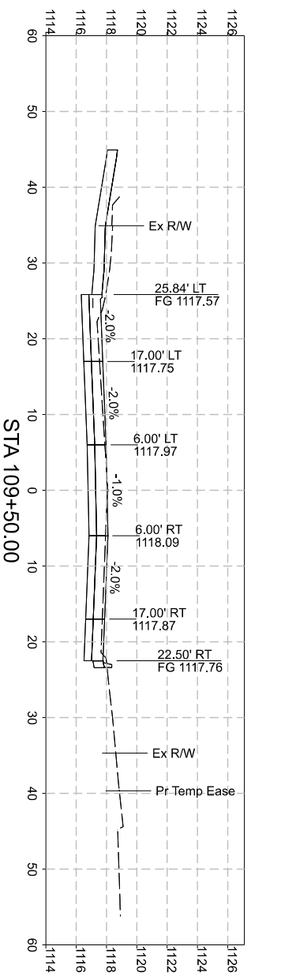
MARK	REVISION	DATE	BY

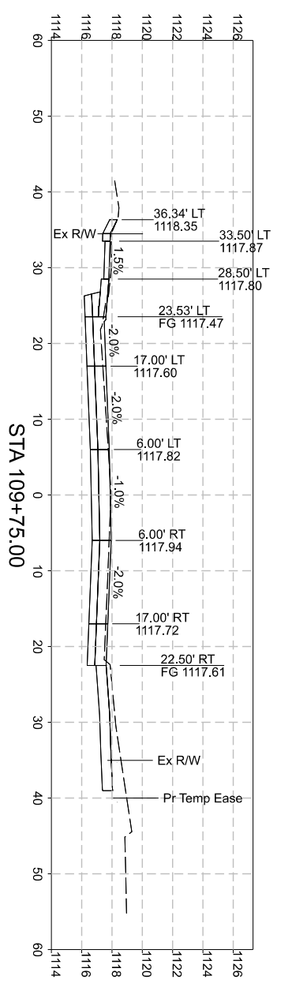
Engineer: SJR	Checked By: JMS	
Technician: EIG	Date: 2/17/2026	T-R-S:
STP-U-2690(643)--70-94 Project No: 124.0890.01	Sheet W.2	











Sheet W.3

Project No: 124.0890.01

SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

MAINLINE CROSS SECTIONS

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IOWA 50023
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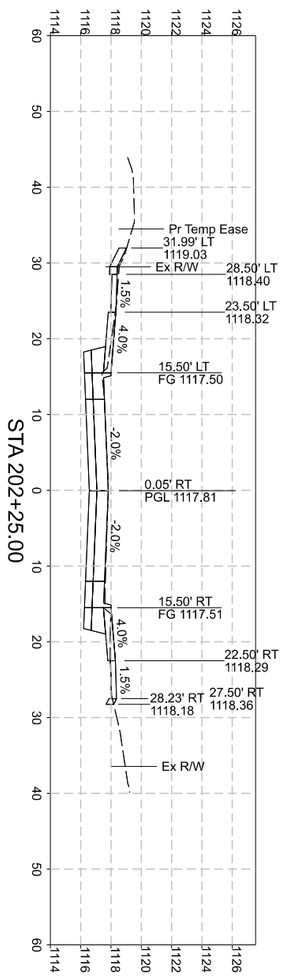
MARK	REVISION	DATE	BY

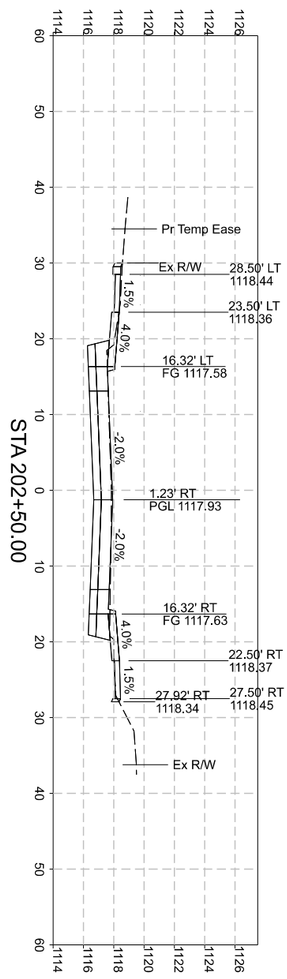
Engineer: SJR | Checked By: JMS

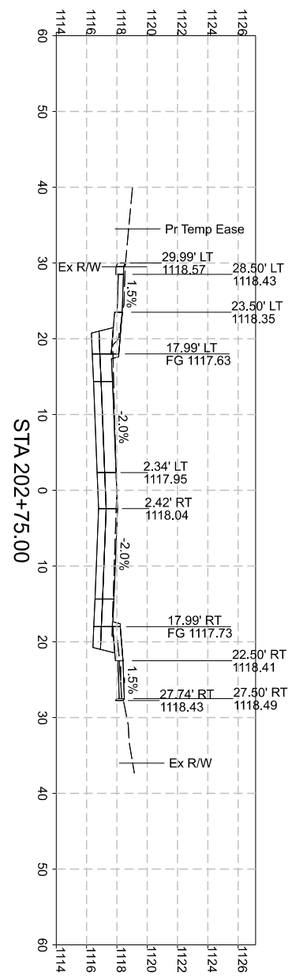
Technician: EIG | Date: 2/17/2026 | T-R-S:

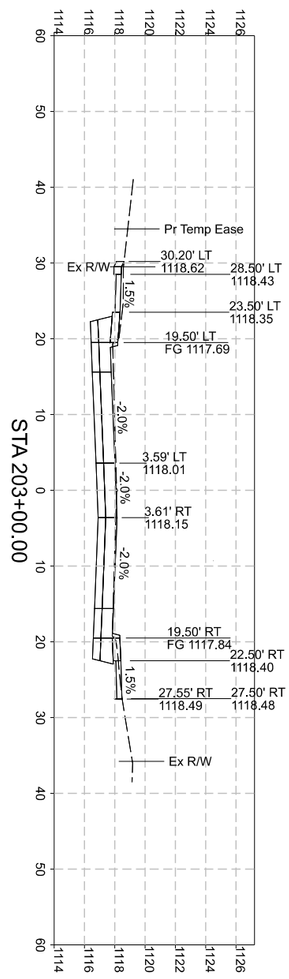
STP-U-2690(643)--70-94
Project No: 124.0890.01

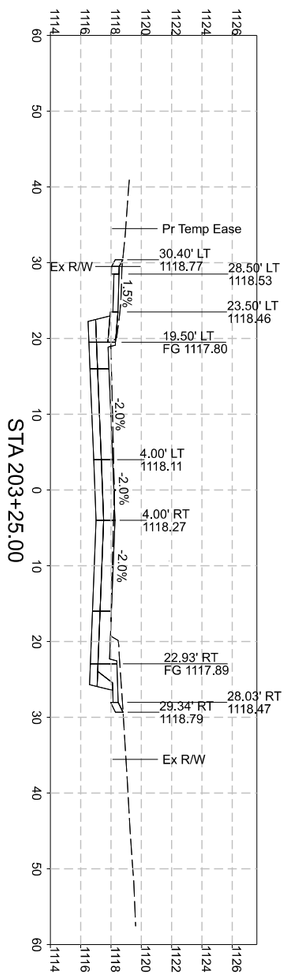
Sheet W.3

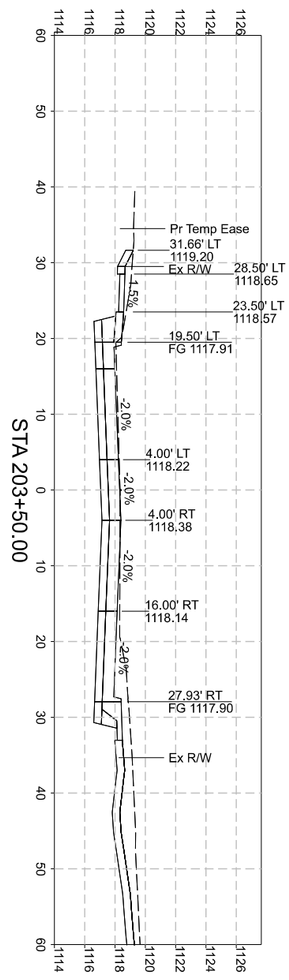


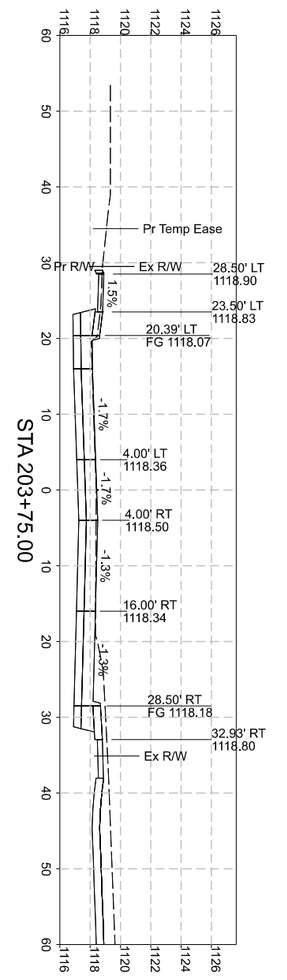


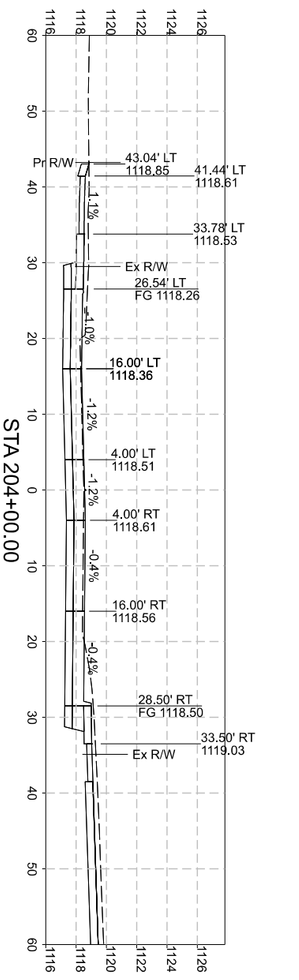












SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

2ND AVENUE N. CROSS SECTIONS

CITY OF FORT DODGE, IOWA

MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS
Technician: EIG | Date: 2/17/2026 | T-R-S:
STP-U-2690(643)--70-94
Project No: 124.0890.01
Sheet X.1

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ANKENY, IOWA 50023
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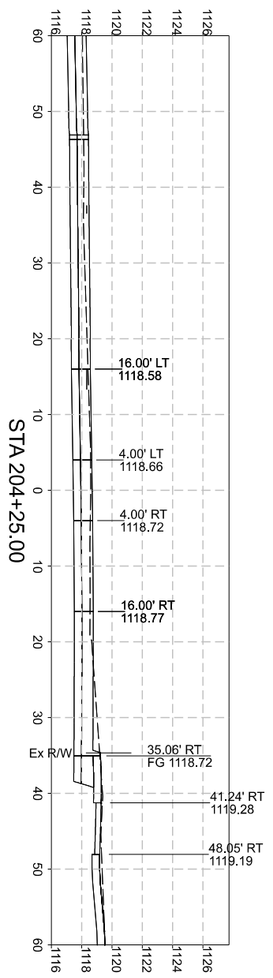

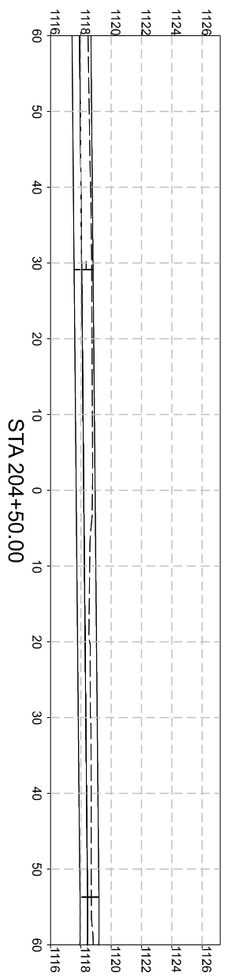

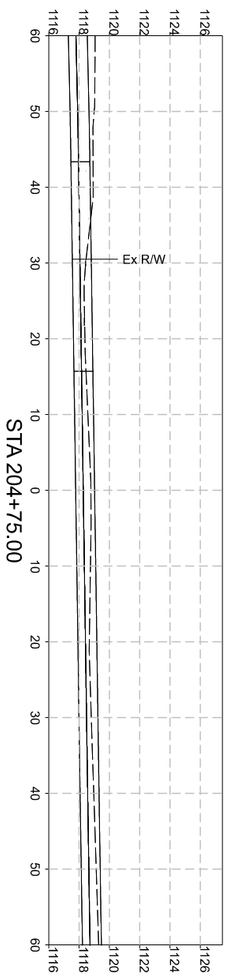

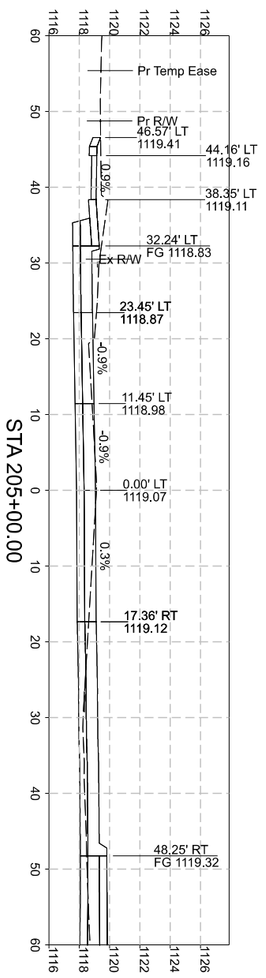

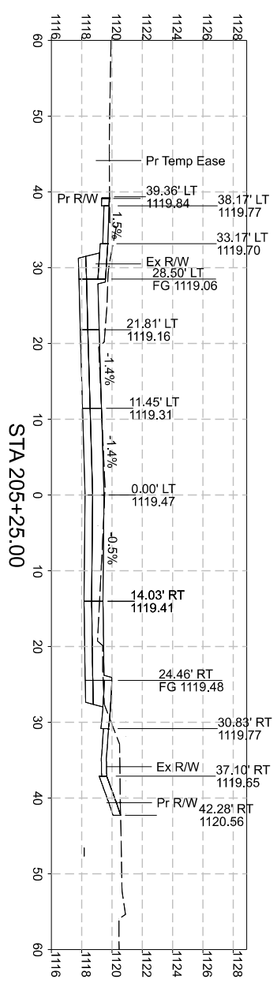

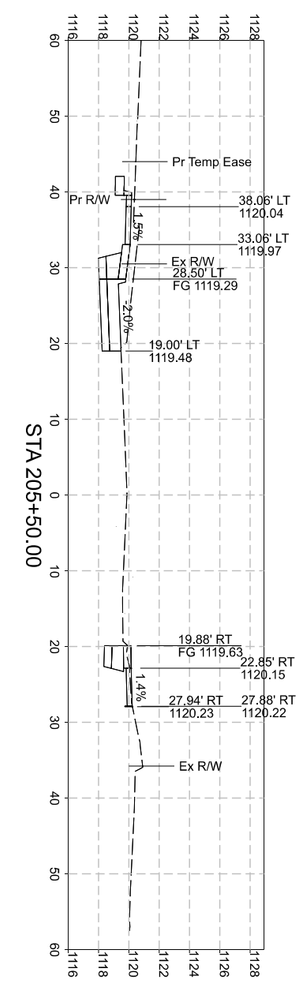

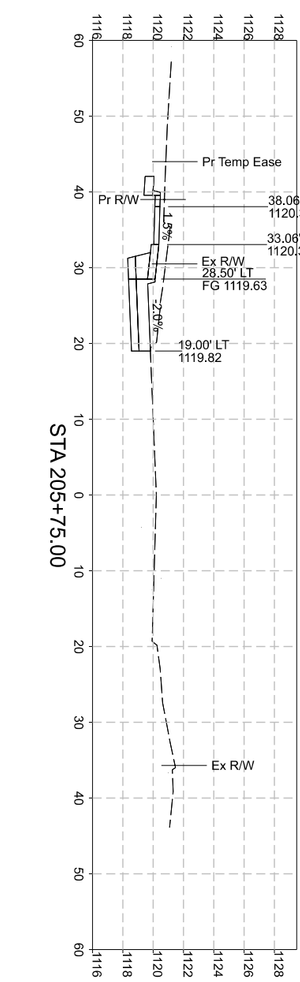

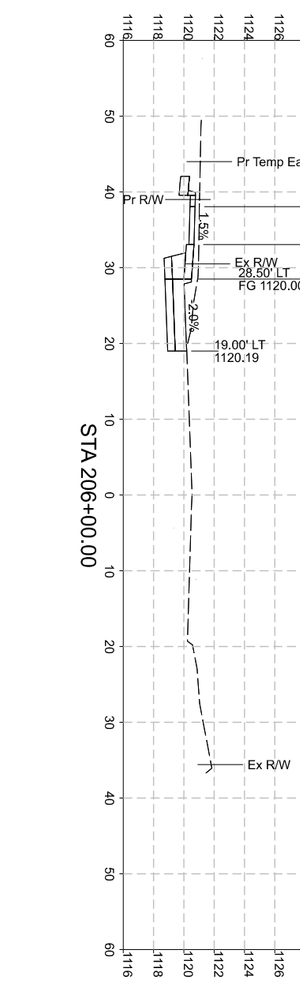

Sheet X.2

Project No: 124.0890.01

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N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

2ND AVENUE N. CROSS SECTIONS

CITY OF FORT DODGE, IOWA

MARK	REVISION	DATE	BY

Engineer: SJR | Checked By: JMS

Technician: EIG | Date: 2/17/2026 | T-R-S:

STP-U-2690(643)--70-94
Project No: 124.0890.01

Sheet X.2

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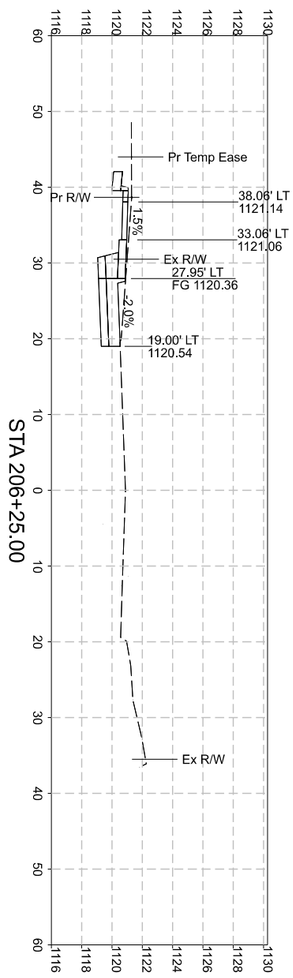

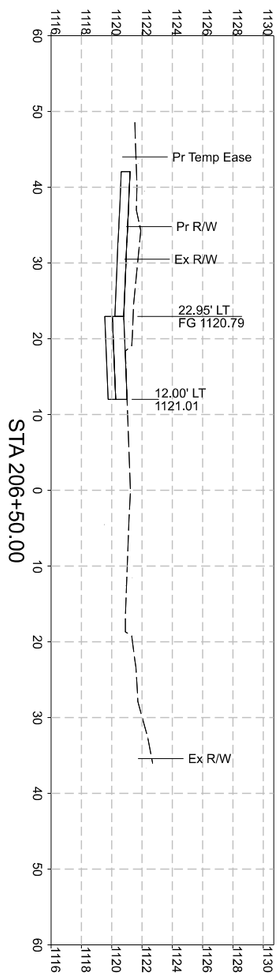

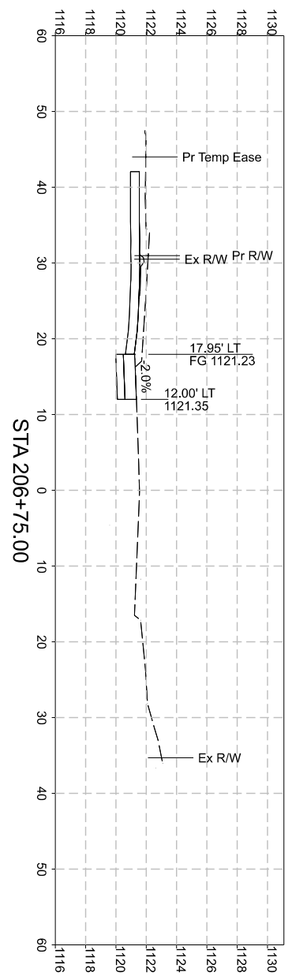

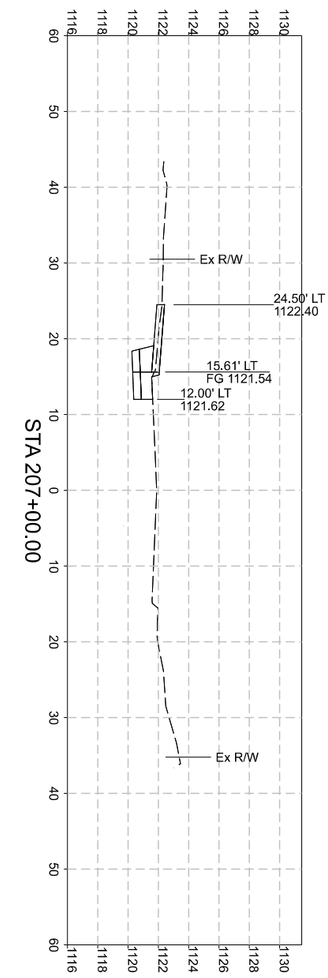

Sheet X.3

Project No: 124.0890.01

SNYDER & ASSOCIATES

N. 15TH STREET IMPROVEMENTS

STP-U-2690(643)--70-94

2ND AVENUE N. CROSS SECTIONS

CITY OF FORT DODGE, IOWA

SNYDER & ASSOCIATES, INC.
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Engineer: SJR	Checked By: JMS	
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