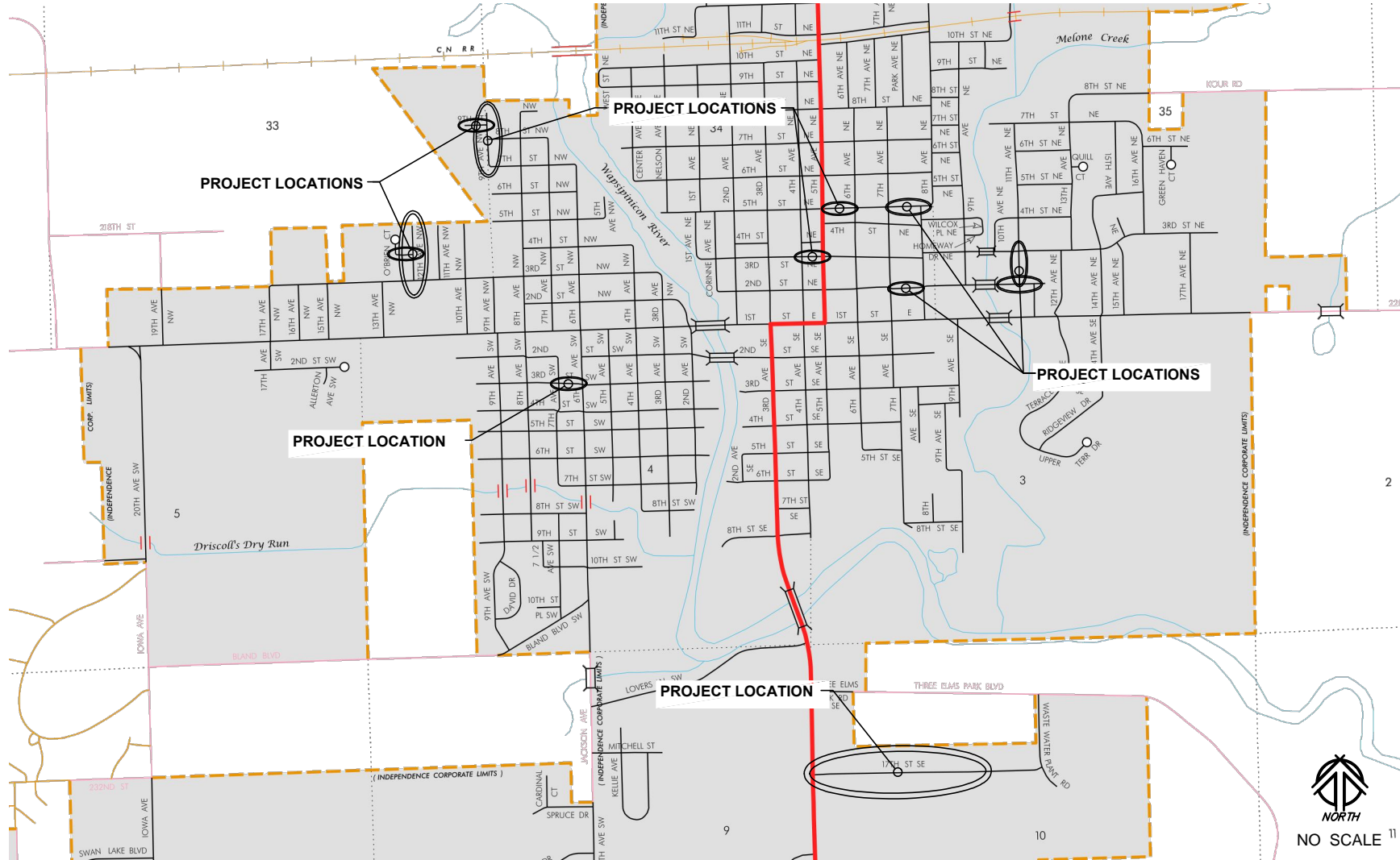


CITY OF INDEPENDENCE, IOWA
CONSTRUCTION PLANS FOR
2026 STREET REHABILITATION
CRACK & SEAT w/ HMA OVERLAY

12th Ave. NW, O'Brien Ct. NW, 9th St. NW, 9th Ave. NW, 3rd St. SW, 17th St. SE, 2nd St. NE, 3rd St. NE, 5th St. NE, & 11th Ave. NE



INDEX OF SHEETS	
NO.	DESCRIPTION
A.01	TITLE SHEET
B.01	TYPICAL CROSS SECTION & DETAILS
C.01-C.08	QUANTITIES, ESTIMATE REFERENCES & TABULATIONS
D.01-D.12	PLAN AND PROFILE SHEETS

This Plan has been Approved by the City of
Independence, Iowa

City Manager: Matthew R. Schmitz, MPA Date



THE CONTRACTOR SHALL NOTIFY IOWA
ONE CALL NO LESS THAN 48 HRS. IN
ADVANCE OF ANY DIGGING OR EXCAVATION.

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN
THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE
OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR
SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES.
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE
SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE
ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN
OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT
LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE
ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

LOCATION MAP

ALL CONSTRUCTION SHALL BE IN ACCORDANCE
WITH IOWA SUDAS STANDARD SPECIFICATIONS
2025 REVISION EXCEPT WHERE ALTERED OR
AMENDED BY THIS PLAN.

	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.	
	MARK A. CRAWFORD, P.E. EG. No. 16505	DATE: _____
	MY LICENSE RENEWAL DATE IS DECEMBER 31, 2026	
	PAGES OR SHEETS COVERED BY THIS SEAL: SHEETS A.01 - D.11	

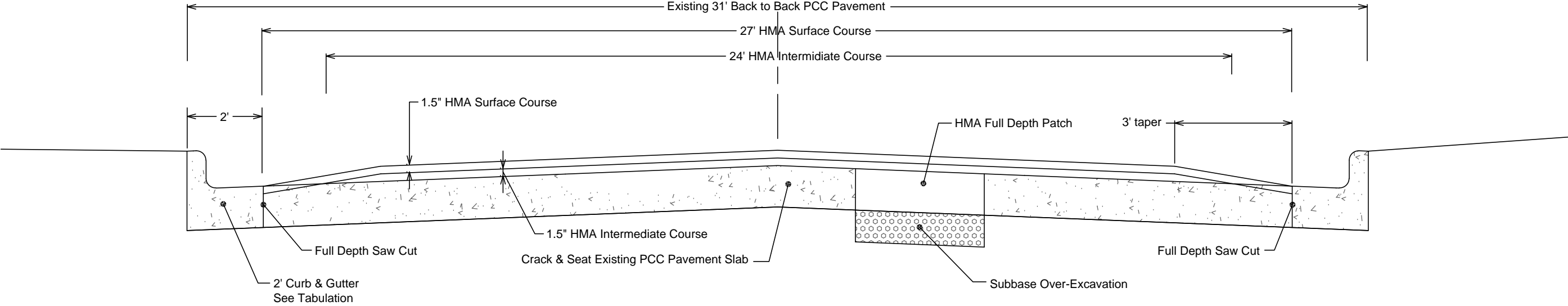
DATE	REVISION	SHEET	BY

2026 STREET REHABILITATION
INDEPENDENCE, IOWA

TITLE SHEET

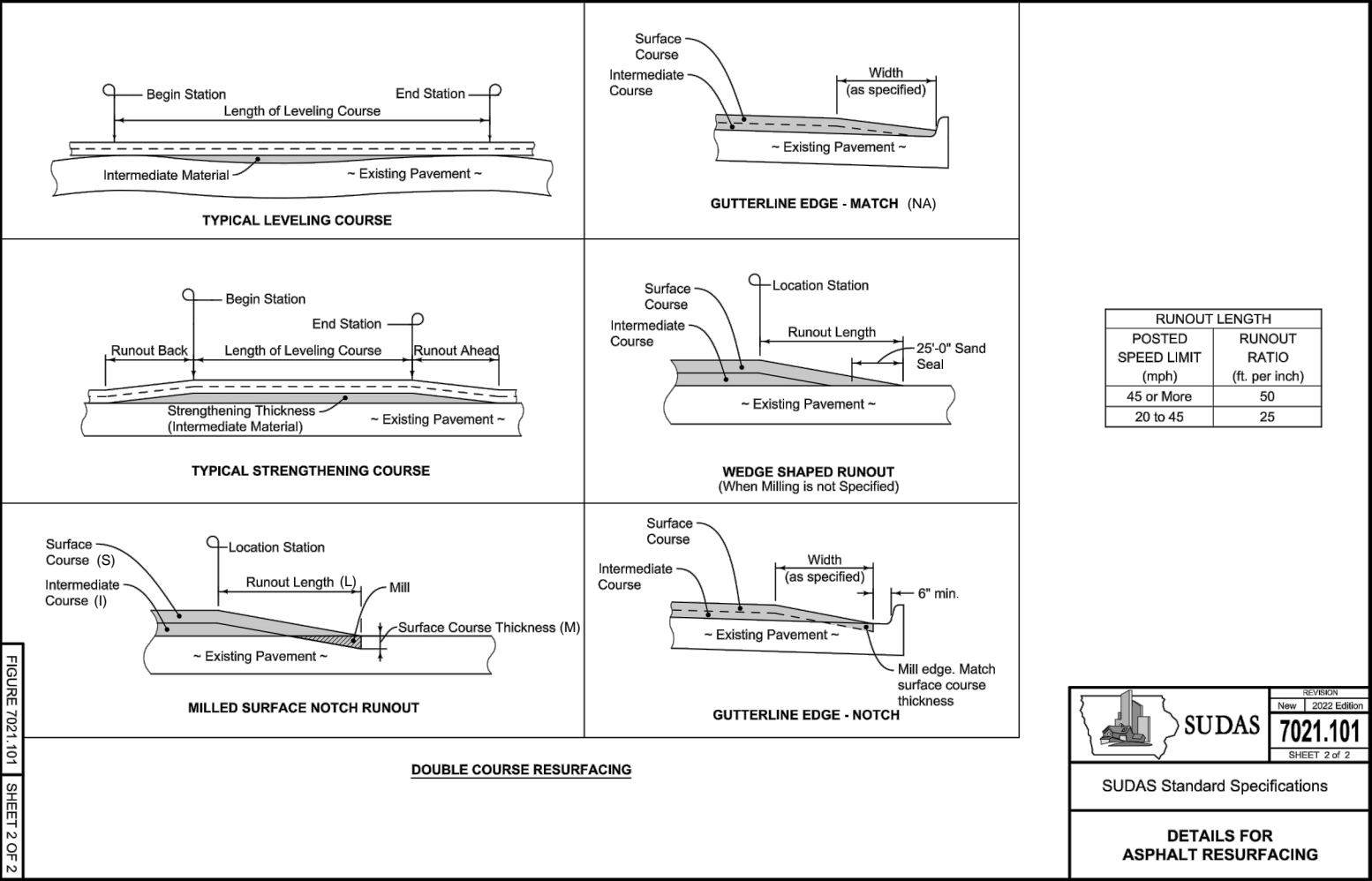
DRAWN	BMC
CHECKED	MAC
PROJ NO	25502
SHEET	A.01

**CRAWFORD ENGINEERING
& SURVEYING, INC.**
118 3rd Ave NE Independence, Iowa 50644



Typical Cross Section
Crack & Seat Rehabilitation

UTILITY CONTACTS			
2024 STREET REHABILITATION			
NAME	CONTACT	EMAIL	PHONE
MediaCom	Brian Kadner	bkadner@mediacomcc.com	845-867-0932
CenturyLink	Tom Sturmer	thomas.sturmer@centurylink.com	720-578-8090
Terra Technologies	Tim Carone	tcarone@terratechllc.net	847-812-2247
East Buchanan Telephone Co.	Roger Olsen	ebtctech@netins.net	319-935-3011
Farmers Mutual Telephone Co.	Bob Venem	fmtjesup@jtt.net	319-827-1151
Iowa Hospital Association	Shannon Marlow	icnoutsideplantiowaonecall@iowa.gov	626-836-5503
Independence Light and Power	Tim Tudor	lineshop@indytel.com	319-332-0100
MidAmerican Energy - Electric	Adam Streeter	astreeter@midamerican.com	319-291-4742
MidAmerican Energy - Electric	Luke Johnson	lrjohnson@midamerican.com	319-291-4676
MidAmerican Energy - Gas	Molly Brouwer	mcbrouwer@midamerican.com	319-291-4737
MidAmerican Energy - Gas	Karen Speicher	kdspeicher@midamerican.com	319-291-4728
Windstream Communications	Locate Desk	locate.desk@windstream.com	800-289-1901
Sanitary and Water	Travis Foley	tfoley@independenceia.gov	319-334-3750
Storm Sewer	Brad Esch	besch@independenceia.gov	319-334-4210



DATE	REVISION	SHEET	BY

2026 STREET REHABILITATION
INDEPENDENCE, IOWA

TYPICAL SECTIONS & NOTES

DRAWN	BMC
CHECKED	MAC
PROJ NO	25502
SHEET	B.01

CRAWFORD ENGINEERING & SURVEYING, INC.
118 3rd Ave NE Independence, Iowa 50644

ESTIMATED PROJECT QUANTITIES				
			QUANTITIES	
NO.	ITEM	UNIT	ESTIMATED	AS-BUILT
1	Manhole Adjustment, Minor	EA	8	
2	PCC Curb and Gutter, 24"	LF	250	
3	HMA Standard Traffic, Intermediate Course, 1/2 in. mix	SY	11,008	
4	HMA Standard Traffic, Surface Course, 1/2 in. mix	SY	12,659	
5	Removal of Driveway	SY	9	
6	Removal of Sidewalk	SY	10	
7	Sidewalk, PCC, 6 in.	SY	10	
8	Driveway, PCC, 6 in.	SY	9	
9	Subbase Over-Excavation	SY	638	
10	HMA Full Depth Patch	SY	638	
11	Milling	SY	1743	
12	Curb & Gutter Removal	LF	250	
13	Traffic Control	LS	1	
14	Cracking and Seating of PCC Pavement	SY	11,008	
15	Conventional Type 1 Seeding, Fertilizing & Mulching	LS	1	
16	Mobilization	LS	1	
17	Temporary Granular Surfacing	SY	9	

GENERAL NOTES

1. All work shall conform to and be performed in accordance with all applicable codes and ordinances.
2. IOWA SUDAS STANDARD SPECIFICATIONS 2025 REVISION shall be considered a part of these documents as if bound herein. Contractor shall provide all required quality assurance and material acceptance testing and furnish results to the Project Engineer.
3. Construction Survey for this project to be provided by the Owner.
4. The Contractor shall notify all appropriate engineering departments and utility companies prior to construction. All necessary precautions shall be taken to avoid damage to any existing utility. Iowa Code 480, underground facilities information, requires notice to Iowa One Call (1-800-292-8989) not less than 48 hours before excavation, excluding weekends and legal holidays.
5. The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the Owner or its representative. The Contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to locate and preserve any and all underground utilities.
6. The Contractor shall visit the site and inspect the project area and thoroughly familiarize himself with the actual job conditions prior to bidding and the start of any work. Failure to visit the site shall not relieve the Contractor from performing the work in accordance with these drawings.
7. The Contractor shall verify at the site, all dimensions and conditions shown on the drawings, and shall notify the Engineer of any discrepancies, omissions, and/or conflict prior to proceeding with the work.
8. The Contractor shall be responsible for any damage to existing facilities outside the construction limits.
9. Contractor shall protect existing facilities, buildings, and other appurtenances during the construction activities.
10. Contractor shall confine his work to the construction limits and easements. If the Contractor obtains additional easement for the storage of equipment and materials, copies of the agreements with the property Owners shall be provided to the Project Engineer.
11. Contractor shall submit a detailed construction schedule and staging plan at least two (2) days prior to the preconstruction meeting.
12. Contractor shall be responsible to maintain access to individual properties during construction.
13. Contractor shall coordinate temporary disruption of postal delivery and garbage handling services with the City of Independence, local post office / post master, waste management companies, and affected property owners.
14. Contractor shall coordinate temporary disruption of utility services with the City of Independence, affected utility companies and/or affected property owners when relocating existing facilities, connecting to existing facilities and placing new services.
15. Contractor shall coordinate with property owners any removal and replacement of existing landscaping and/or plantings that may be necessary for Curb & Gutter Removal / Replacement.
16. Contractor shall prepare and deliver Construction Notices / Door Hangers to homes and businesses within the construction areas 48 hours prior to construction activity, including any HMA Overlay work.
17. All traffic control shall follow the Iowa Department of Transportation "TC Series" Standard Road Plans including, but not limited to, TC-1 and TC-211.
18. 48 hours prior to paving operations, Contractor shall provide written notification of temporary access disruption to all property owners along the paving route.

SEQUENCE OF OPERATIONS	
Crack and Seat	
(Minor variations in sequence of operations may be allowed if approved by the Engineer)	
NO.	DESCRIPTION
1	Separate 2' curb and gutter from pavement by longitudinal full depth saw cut, both sides.
2	Make full depth saw cut to isolate fixtures from pavement. Remove fixture casting and plate manholes. Backfill void with crushed stone (incidental).
3	Crack pavement with guillotine drop hammer. Use care to avoid damaging curb.
4	Seat cracked pavement with 50 ton roller.
5	Remove material from full depth patch areas by milling. Use pneumatic hammer and sawing if necessary. Perform subbase over-excavation where necessary.
6	Mill runout (RO) notch in PCC surface at terminal points of HMA overlay, and mill gutter edge (GE) notches in PCC surface at existing gutter match areas of HMA overlay.
7	Clean patches of all unsound material and place HMA full depth patches.
8	Clean and prepare base.
9	Place HMA intermediate course.
10	Place HMA surface course.
11	Restore fixtures.

DATE	REVISION	SHEET	BY

2026 STREET REHABILITATION
INDEPENDENCE, IOWA

QUANTITIES & TABULATIONS

DRAWN	BMC
CHECKED	MAC
PROJ NO	25502
SHEET	C.01

CRAWFORD ENGINEERING
& SURVEYING, INC.
118 3rd Ave NE Independence, Iowa 50644

ESTIMATE REFERENCE INFORMATION

1. MANHOLE ADJUSTMENT, MINOR
This item applies to the adjustment of sanitary and storm sewer manholes within the pavement area shown for overlay. Adjustment of water valves is incidental to the HMA Paving. See tabulation on Sheet C.05.
2. PCC CURB AND GUTTER, 24-IN.
See tabulation on Sheet C.05. Class 3 aggregate durability is required. Driveway curb is required at points of access or where shown on the plans. Certified Plant Inspection is required. This item includes furnishing, placing and compacting subbase material on the street-side following curb and gutter placement. Subbase material shall meet the requirements of Section 2010 2.04 D.3 of the SUDAS Specifications.
3. HOT MIX ASPHALT, STANDARD TRAFFIC, INTERMEDIATE COURSE, ½ IN. MIX
Refer to Section 7020 of the SUDAS Standard Specifications. This item includes all labor, materials, and equipment necessary to place a 1 ½ -inch Intermediate HMA Course as shown in these plans. Contractor shall provide HMA Quality Control per Section 7020 3.06B of SUDAS, including Certified Plant Inspection. Asphalt binder shall be PG 58-28 and shall be 6% of the total HMA quantity. Measurement and Payment will be per Square Yard of material placed and accepted. Coordination of temporary postal delivery and garbage handling services is incidental to this item. Adjustment of water valves is incidental to the HMA Paving.
4. HOT MIX ASPHALT, STANDARD TRAFFIC, SURFACE COURSE, ½ IN. MIX
Refer to Section 7020 of the SUDAS Standard Specifications. This item includes all labor, materials, and equipment necessary to place a 1 ½ -inch Surface HMA Course as shown in these plans. Contractor shall provide HMA Quality Control per Section 7020 3.06B of SUDAS, including Certified Plant Inspection. No thickness or smoothness incentive will apply to this project. Contractor shall confirm finished surface smoothness meets 12.1 to 22 inches/mile as described in SUDAS Section 7020 3.05 and Table 7020.04. Asphalt binder shall be PG 58-28 and shall be 6% of the total HMA quantity. Measurement and Payment will be per Square Yard of material placed and accepted. Coordination of temporary postal delivery and garbage handling services is incidental to this item. Adjustment of water valves is incidental to the HMA Paving.
5. REMOVAL OF DRIVEWAY
See tabulation on Sheet C.05. This item applies to the sawcutting and removal of PCC Driveways adjacent to areas of Curb and Gutter Removal. Contractor shall perform full-depth longitudinal saw cutting at a distances as shown on the plans. Sawcutting and removal and disposal of material is included with this item.
6. REMOVAL OF SIDEWALK
This item applies to the removal of existing sidewalk as shown in these plans. See the D Sheets for locations. Full depth sawcutting, removal, and disposal of material is considered incidental to this item. Damage to the existing sidewalk beyond the limits marked for removal will be the Contractor's responsibility to replace.
7. SIDEWALK, PCC, 6-IN.
See D Sheets and for location and construction information. PCC shall be Class C, with Class 3 durability.
8. DRIVEWAY, PCC, 6-IN.
See tabulation on Sheet C.05 and Section 7030 of the SUDAS Specifications. This item includes furnishing, placing, and removal of temporary granular surfacing to maintain access to private properties.

ESTIMATE REFERENCE INFORMATION

9. SUBBASE OVER-EXCAVATION
See the tabulation on Sheet C.03. This item applies to the removal of existing subbase and/or subgrade material to a depth of 6-inches, and furnishing, placing, and compacting new subbase material. Subbase material shall meet the requirements of Section 2010 2.04 D.3 of the SUDAS Standard Specfications. All areas called out for Subbase Over-Excavation shall be reviewed with the Engineer.
10. HMA FULL DEPTH PATCHES
Refer to Section 7040 of SUDAS for information on this bid item. This item shall include all labor, materials, and equipment necessary for the construction of Full Depth HMA Patches at the locations shown in these plans or where directed by the Engineer. All patch areas shall be reviewed with the Engineer prior to patch work beginning.
11. MILLING
Includes milling (1 ½ inch nominal depth) of existing PCC surface in preparation for HMA Patching and Cracking and Seating. See tabulation on Sheet C.04. Millings shall remain the property of the City, and Contractor shall deliver the millings to the City of Independence Tree Dump located on 6th Avenue SW.
12. CURB & GUTTER REMOVAL
See tabulation on Sheet C.05.
13. TRAFFIC CONTROL
Iowa DOT Standard Road Plans TC-1 and TC-211 shall apply to this project. Any traffic detours necessary during construction are also included in this item and contractor is responsible for furnishing, installing, and removing any detour signing or road closures utilized to protect the new surface prior to opening to traffic. Contractor furnished and placed No Parking signs are also included in this item.
14. CRACKING AND SEATING OF PCC PAVEMENT
Full-Depth saw cutting for the entire project is considered incidental to this item. Contractor shall use a 50 ton roller for seating of cracked pavement.
15. CONVENTIONAL TYPE 1 SEEDING, FERTILIZING & MULCHING
This item shall apply to the restoration of disturbed lawn areas throughout the project locations. See Section 9010 of the SUDAS Specficiations for more information. This items shall include one (1) initial watering.
16. MOBILIZATION
Refer to Section 11,020 of the SUDAS Specifications.
17. TEMPORARY GRANULAR SURFACING
This item applies to the temporary backfilling of street-side areas designated for curb and gutter removal and driveway removal in order to maintain traffic and property access. Material shall be as described in SUDAS Section 2010 2.04 D.3.

DATE	REVISION	SHEET	BY	2026 STREET REHABILITATION INDEPENDENCE, IOWA		QUANTITIES & TABULATIONS	DRAWN	BMC	<div>CRAWFORD ENGINEERING & SURVEYING, INC. 118 3rd Ave NE Independence, Iowa 50644</div>
							CHECKED	MAC	
							PROJ NO	25502	
							SHEET	C.02	

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
10+73	Left	6	3	2.0	O'Brien Ct.
10+81	Left	6	4	2.7	O'Brien Ct.
11+07	Left	9	4	4.0	O'Brien Ct.
12+00	Left	12	12	16.0	O'Brien Ct.
12+06	Left	5	3	1.7	O'Brien Ct.
12+27	Left	Var.	Var.	35.3	O'Brien Ct.
13+25	Left	4	5	2.2	O'Brien Ct.
13+46	Left	5	3	1.7	O'Brien Ct.
13+50	Left	12	5	6.7	O'Brien Ct.
13+62	Left	4	6	2.7	O'Brien Ct.
				75	
11+16	Left	5	4	2.2	9th Street NW
11+36	Left	3	6	2.0	9th Street NW
11+76	Left	3	8	2.7	9th Street NW
11+77	Centerline	4	5	2.2	9th Street NW
11+78	Right	4	4	1.8	9th Street NW
11+96	Centerline	6	6	4.0	9th Street NW
11+96	Right	5	7	3.9	9th Street NW
12+26	Left	5	5	2.8	9th Street NW
12+26	Left	3	3	1.0	9th Street NW
12+47	Left	3	3	1.0	9th Street NW
12+47	Left	3	3	1.0	9th Street NW
12+56	Right	3	12	4.0	9th Street NW
				29	
0+30	Right	7	5	3.9	9th Avenue NW
0+54	Centerline	2	4	0.9	9th Avenue NW
0+65	Centerline	2	2	0.4	9th Avenue NW
0+79	Centerline	6	6	4.0	9th Avenue NW
0+99	Centerline	4	5	2.2	9th Avenue NW
1+10	Centerline	4	10	4.4	9th Avenue NW
1+21	Centerline	2	5	1.1	9th Avenue NW
1+29	Centerline	10	10	11.1	9th Avenue NW
1+32	Right	6	3	2.0	9th Avenue NW
1+34	Left	6	3	2.0	9th Avenue NW
1+38	Centerline	2	5	1.1	9th Avenue NW
1.51	Centerline	7	7	5.4	9th Avenue NW
1+52	Left	3	6	2.0	9th Avenue NW
1+71	Centerline	5	5	2.8	9th Avenue NW
1+91	Centerline	2	10	2.2	9th Avenue NW
1+92	Right	8	3	2.7	9th Avenue NW
2+10	Left	6	3	2.0	9th Avenue NW

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
2+11	Centerline	6	3	2.0	9th Avenue NW
2+50	Left	6	3	2.0	9th Avenue NW
2+50	Centerline	6	3	2.0	9th Avenue NW
2+70	Left	4	3	1.3	9th Avenue NW
2+70	Centerline	4	4	1.8	9th Avenue NW
2+92	Centerline	27	3	9.0	9th Avenue NW
3+01	Centerline	27	4	12.0	9th Avenue NW
3+11	Right	4	10	4.4	9th Avenue NW
3+22	Left	6	4	2.7	9th Avenue NW
3+22	Right	6	5	3.3	9th Avenue NW
3+31	Right	8	8	7.1	9th Avenue NW
3+32	Left	3	8	2.7	9th Avenue NW
3+33	Centerline	4	11	4.9	9th Avenue NW
3+40	Right	4	10	4.4	9th Avenue NW
3+53	Right	3	9	3.0	9th Avenue NW
3+56	Right	4	8	3.6	9th Avenue NW
3+58	Right	3	7	2.3	9th Avenue NW
3+70	Right	20	6	13.3	9th Avenue NW
3+80	Left	3	6	2.0	9th Avenue NW
3+83	Centerline	5	5	2.8	9th Avenue NW
4+12	Left	4	6	2.7	9th Avenue NW
4+32	Left	8	4	3.6	9th Avenue NW
4+77	Centerline	27	4	12.0	9th Avenue NW
5+03	Centerline	5	5	2.8	9th Avenue NW
5+39	Left	3	10	3.3	9th Avenue NW
5+75	Centerline	4	4	1.8	9th Avenue NW
5+95	Centerline	4	4	1.8	9th Avenue NW
6+14	Right	4	2	0.9	9th Avenue NW
6+15	Centerline	6	6	4.0	9th Avenue NW
				170	
10+07	Right	2	8	1.8	3rd Street SW
10+18	Right	10	4	4.4	3rd Street SW
10+22	Right	8	4	3.6	3rd Street SW
10+25	Left	3	3	1.0	3rd Street SW
10+26	Right	8	8	7.1	3rd Street SW
10+27	Right	5	8	4.4	3rd Street SW
10+35	Left	19	8	16.9	3rd Street SW
10+36	Left	5	14	7.8	3rd Street SW
10+37	Left	3	4	1.3	3rd Street SW
10+38	Centerline	6	20	13.3	3rd Street SW
10+44	Centerline	6	7	4.7	3rd Street SW
11+49	Right	2	8	1.8	3rd Street SW
11+67	Right	2	5	1.1	3rd Street SW
11+69	Centerline	3	6	2.0	3rd Street SW
11+97	Right	5	4	2.2	3rd Street SW
11+98	Left	4	4	1.8	3rd Street SW
12+07	Left	5	8	4.4	3rd Street SW
12+08	Centerline	3	6	2.0	3rd Street SW
12+09	Right	8	4	3.6	3rd Street SW
12+14	Left	10	5	5.6	3rd Street SW
12+24	Left	4	3	1.3	3rd Street SW
12+27	Right	4	6	2.7	3rd Street SW
12+58	Centerline	2	5	1.1	3rd Street SW
12+67	Left	4	5	2.2	3rd Street SW
				98	

DATE	REVISION	SHEET	BY

2026 STREET REHABILITATION
INDEPENDENCE, IOWA

QUANTITIES & TABULATIONS

DRAWN	BMC
CHECKED	MAC
PROJ NO	25502
SHEET	C.03

CRAWFORD ENGINEERING
& SURVEYING, INC.
118 3rd Ave NE Independence, Iowa 50644

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
0+43	Left	21	5	11.7	17th Street SE
0+49	Right	8	21	18.7	17th Street SE
0+59	Right	5	10	5.6	17th Street SE
0+77	Right	12	5	6.7	17th Street SE
1+50	Right	12	5	6.7	17th Street SE
2+64	Right	16	5	8.9	17th Street SE
3+53	Right	30	8	26.7	17th Street SE
3+66	Left	24	6	16.0	17th Street SE
5+04	Left	2	7	1.6	17th Street SE
7+74	Left	6	10	6.7	17th Street SE
7+83	Left	12	4	5.3	17th Street SE
8+87	Right	10	10	11.1	17th Street SE
8+88	Left	10	5	5.6	17th Street SE
9+00	Centerline	5	14	7.8	17th Street SE
9+06	Right	25	5	13.9	17th Street SE
9+38	Right	12	10	13.3	17th Street SE
9+96	Left	40	9	40.0	17th Street SE
				206	
0+59	Centerline	4	15	6.7	2nd Street NE
0+63	Centerline	5	3	1.7	2nd Street NE
0+82	Right	6	15	10.0	2nd Street NE
1+00	Left	2	5	1.1	2nd Street NE
1+02	Right	3	11	3.7	2nd Street NE
1+07	Right	12	5	6.7	2nd Street NE
1+12	Left	3	10	3.3	2nd Street NE
1+20	Centerline	5	16	8.9	2nd Street NE
1+38	Centerline	12	12	16.0	2nd Street NE
1+41	Right	4	4	1.8	2nd Street NE
1+50	Right	2	10	2.2	2nd Street NE
1+61	Centerline	2	8	1.8	2nd Street NE
1+62	Right	6	8	5.3	2nd Street NE
1+65	Left	20	6	13.3	2nd Street NE
1+71	Right	4	15	6.7	2nd Street NE
1+82	Right	3	12	4.0	2nd Street NE
1+92	Right	3	12	4.0	2nd Street NE
2+00	Left	4	6	2.7	2nd Street NE
2+02	Centerline	4	8	3.6	2nd Street NE
2+15	Centerline	3	18	6.0	2nd Street NE
2+21	Right	14	4	6.2	2nd Street NE
2+35	Centerline	3	6	2.0	2nd Street NE
2+39	Right	4	15	6.7	2nd Street NE
2+57	Centerline	8	7	6.2	2nd Street NE
2+66	Centerline	10	2	2.2	2nd Street NE
2+70	Right	2	5	1.1	2nd Street NE

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
2+73	Left	4	8	3.6	2nd Street NE
2+82	Right	4	8	3.6	2nd Street NE
2+84	Centerline	15	8	13.3	2nd Street NE
2+96	Right	27	12	10.0	2nd Street NE
3+03	Centerline	10	10	11.1	2nd Street NE
3+39	Left	16	3	5.3	2nd Street NE
3+44	Right	8	3	2.7	2nd Street NE
3+62	Left	3	8	2.7	2nd Street NE
3+70	Centerline	2	4	0.9	2nd Street NE
3+76	Centerline	4	4	1.8	2nd Street NE
3+77	Left	5	2	1.1	2nd Street NE
3+95	Centerline	20	20	44.4	2nd Street NE
12+42	Centerline	2	8	1.8	2nd Street NE
12+55	Left	5	5	2.8	2nd Street NE
12+56	Right	5	5	2.8	2nd Street NE
12+70	Left	3	3	1.0	2nd Street NE
12+91	Left	5	5	2.8	2nd Street NE
12+92	Right	5	5	2.8	2nd Street NE
13+07	Left	6	6	4.0	2nd Street NE
13+08	Right	5	5	2.8	2nd Street NE
13+16	Right	6	6	4.0	2nd Street NE
13+17	Left	5	5	2.8	2nd Street NE
13+46	Right	5	5	2.8	2nd Street NE
13+66	Left	3	10	3.3	2nd Street NE
13+67	Right	4	14	6.2	2nd Street NE
13+87	Left	4	13	5.8	2nd Street NE
13+87	Right	8	8	7.1	2nd Street NE
14+05	Left	5	5	2.8	2nd Street NE
14+06	Right	2	12	2.7	2nd Street NE
14+25	Centerline	5	27	15.0	2nd Street NE
14+45	Left	5	5	2.8	2nd Street NE
14+46	Right	5	5	2.8	2nd Street NE
14+67	Centerline	5	20	11.1	2nd Street NE
14+75	Right	4	5	2.2	2nd Street NE
14+86	Centerline	4	22	9.8	2nd Street NE
15+02	Centerline	5	18	10.0	2nd Street NE
15+18	Centerline	29	14	45.1	2nd Street NE
15+32	Left	5	5	2.8	2nd Street NE
15+32	Left	8	3	2.7	2nd Street NE
15+34	Left	6	3	2.0	2nd Street NE
15+34	Centerline	6	2	1.3	2nd Street NE
15+39	Right	8	8	7.1	2nd Street NE
15+40	Left	4	12	5.3	2nd Street NE
15+41	Left	4	4	1.8	2nd Street NE
15+42	Left	5	5	2.8	2nd Street NE
15+47	Left	7	2	1.6	2nd Street NE

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
15+48	Right	5	4	2.2	2nd Street NE
15+58	Left	8	8	7.1	2nd Street NE
15+59	Left	2	7	1.6	2nd Street NE
15+72	Right	6	6	4.0	2nd Street NE
15+72	Left	8	8	7.1	2nd Street NE
15+82	Left	12	3	4.0	2nd Street NE
15+84	Right	2	7	1.6	2nd Street NE
15+85	Left	4	7	3.1	2nd Street NE
15+86	Right	5	3	1.7	2nd Street NE
15+92	Right	8	8	7.1	2nd Street NE
15+93	Left	5	6	3.3	2nd Street NE
15+94	Left	8	8	7.1	2nd Street NE
16+04	Right	8	3	2.7	2nd Street NE
16+12	Left	3	14	4.7	2nd Street NE
16+14	Right	8	8	7.1	2nd Street NE
16+32	Centerline	3	14	4.7	2nd Street NE
16+53	Left	8	8	7.1	2nd Street NE
16+54	Right	8	8	7.1	2nd Street NE
16+67	Left	8	8	7.1	2nd Street NE
16+68	Right	8	8	7.1	2nd Street NE
16+83	Left	8	8	7.1	2nd Street NE
16+84	Right	8	8	7.1	2nd Street NE
17+03	Centerline	3	7	2.3	2nd Street NE
17+31	Right	12	4	5.3	2nd Street NE
17+36	Left	4	4	1.8	2nd Street NE
17+44	Left	4	3	1.3	2nd Street NE
17+66	Right	4	3	1.3	2nd Street NE
18+12	Right	15	10	16.7	2nd Street NE
				559	

DATE	REVISION	SHEET	BY	2026 STREET REHABILITATION INDEPENDENCE, IOWA		QUANTITIES & TABULATIONS	DRAWN	BMC	<div>CRAWFORD ENGINEERING & SURVEYING, INC. 118 3rd Ave NE Independence, Iowa 50644</div>
							CHECKED	MAC	
							PROJ NO	25502	
							SHEET	C.03	

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
0+45	Centerline	5	14	7.8	3rd Street NE
0+66	Right	7	7	5.4	3rd Street NE
0+76	Centerline	7	20	15.6	3rd Street NE
0+87	Centerline	5	3	1.7	3rd Street NE
0+88	Right	3	3	1.0	3rd Street NE
0+99	Right	4	8	3.6	3rd Street NE
1+06	Right	6	2	1.3	3rd Street NE
1+17	Centerline	2	4	0.9	3rd Street NE
1+18	Right	4	10	4.4	3rd Street NE
1+36	Right	3	4	1.3	3rd Street NE
1+37	Right	5	12	6.7	3rd Street NE
1+47	Right	5	5	2.8	3rd Street NE
1+59	Centerline	2	5	1.1	3rd Street NE
1+72	Right	16	16	28.4	3rd Street NE
				82	
0+58	Right	14	15	23.3	5th Street NE
0+79	Right	10	10	11.1	5th Street NE
0+79	Centerline	3	9	3.0	5th Street NE
1+00	Left	5	15.5	8.6	5th Street NE
1+00	Right	20	13	28.9	5th Street NE
1+06	Centerline	8	3	2.7	5th Street NE
1+17	Left	4	4	1.8	5th Street NE
1+41	Centerline	2	4	0.9	5th Street NE
1+61	Centerline	8	4	3.6	5th Street NE
1+79	Left	5	15.5	8.6	5th Street NE
1+80	Right	6	15.5	10.3	5th Street NE
1+91	Centerline	36	5	20.0	5th Street NE
2+00	Left	4	11	4.9	5th Street NE
2+00	Right	3	5	1.7	5th Street NE
2+22	Centerline	6	8	5.3	5th Street NE
2+40	Left	5	22	12.2	5th Street NE
2+50	Left	4	5	2.2	5th Street NE
2+55	Centerline	5	2	1.1	5th Street NE
2+59	Left	7	15.5	12.1	5th Street NE
2+60	Right	2	10	2.2	5th Street NE
2+61	Centerline	8	4	3.6	5th Street NE
2+79	Centerline	10	10	11.1	5th Street NE
2+79	Left	6	4	2.7	5th Street NE
2+90	Centerline	6	4	2.7	5th Street NE
3+00	Left	4	15.5	6.9	5th Street NE
3+01	Right	2	8	1.8	5th Street NE
3+19	Left	3	15.5	5.2	5th Street NE
3+20	Right	3	15.5	5.2	5th Street NE
3+38	Left	3	4	1.3	5th Street NE

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
3+39	Centerline	3	6	2.0	5th Street NE
3+71	Right	3	4	1.3	5th Street NE
3+72	Centerline	6	2	1.3	5th Street NE
3+75	Left	2	10	2.2	5th Street NE
3+76	Left	3	5	1.7	5th Street NE
3+79	Centerline	3	8	2.7	5th Street NE
3+93	Left	29	6	19.3	5th Street NE
3.93	Left	25	8	22.2	5th Street NE
8+06	Left	3	14	4.7	5th Street NE
9+25	Right	10	6	6.7	5th Street NE
9+25	Centerline	3	8	2.7	5th Street NE
9+26	Left	4	8	3.6	5th Street NE
9+43	Right	4	4	1.8	5th Street NE
9+45	Left	4	6	2.7	5th Street NE
9+47	Centerline	3	5	1.7	5th Street NE
9+64	Right	5	13	7.2	5th Street NE
9+65	Left	7	6	4.7	5th Street NE
9+73	Right	10	2	2.2	5th Street NE
9+82	Right	6	6	4.0	5th Street NE
9+86	Left	9	8	8.0	5th Street NE
9+98	Centerline	4	4	1.8	5th Street NE
10+06	Right	8	4	3.6	5th Street NE
10+11	Right	10	3	3.3	5th Street NE
10+25	Left	7	19	14.8	5th Street NE
10+35	Centerline	2	3	0.7	5th Street NE
10+42	Right	6	4	2.7	5th Street NE
10+44	Right	11	3	3.7	5th Street NE
10+45	Left	5	5	2.8	5th Street NE
10+53	Left	10	6	6.7	5th Street NE
10+54	Right	8	4	3.6	5th Street NE
10+65	Right	6	6	4.0	5th Street NE
11+00	Centerline	4	8	3.6	5th Street NE
11+41	Right	6	3	2.0	5th Street NE
				360	
10+02	Left	5	4	2.2	11th Avenue NE
10+07	Left	7	2	1.6	11th Avenue NE
10+11	Right	4	4	1.8	11th Avenue NE
10+20	Left	9	4	4.0	11th Avenue NE
10+22	Right	4	8	3.6	11th Avenue NE
10+32	Centerline	2	12	2.7	11th Avenue NE
10+34	Right	9	5	5.0	11th Avenue NE
10+41	Centerline	4	18	8.0	11th Avenue NE
10+65	Right	4	18	8.0	11th Avenue NE
10+70	Left	5	4	2.2	11th Avenue NE
10+72	Left	3	3	1.0	11th Avenue NE
10+83	Left	3	3	1.0	11th Avenue NE

TABULATION OF 6" SUBBASE OVER-EXCAVATION AND FULL-DEPTH PATCHES					
Station	Side	Length	Width	Sq. Yds.	Location
10+84	Right	3	12	4.0	11th Avenue NE
10+93	Centerline	2	8	1.8	11th Avenue NE
11+04	Left	2	5	1.1	11th Avenue NE
11+05	Right	2	10	2.2	11th Avenue NE
11+12	Right	2	10	2.2	11th Avenue NE
11+23	Right	8	8	7.1	11th Avenue NE
11+32	Centerline	3	14	4.7	11th Avenue NE
11+43	Right	8	8	7.1	11th Avenue NE
11+44	Left	4	6	2.7	11th Avenue NE
11+56	Right	8	4	3.6	11th Avenue NE
11+64	Centerline	5	22	12.2	11th Avenue NE
11+82	Left	4	4	1.8	11th Avenue NE
11+82	Right	4	4	1.8	11th Avenue NE
11+93	Centerline	5	20	11.1	11th Avenue NE
12+03	Centerline	6	20	13.3	11th Avenue NE
12+11	Left	5	4	2.2	11th Avenue NE
12+12	Right	2	4	0.9	11th Avenue NE
12+14	Right	3	4	1.3	11th Avenue NE
12+32	Right	8	8	7.1	11th Avenue NE
12+44	Left	4	5	2.2	11th Avenue NE
12+45	Right	3	8	2.7	11th Avenue NE
12+55	Right	3	6	2.0	11th Avenue NE
12+63	Left	6	14	9.3	11th Avenue NE
12+71	Left	8	4	3.6	11th Avenue NE
12+81	Left	4	4	1.8	11th Avenue NE
12+82	Left	3	12	4.0	11th Avenue NE
12+89	Left	4	10	4.4	11th Avenue NE
13+02	Left	3	10	3.3	11th Avenue NE
13+03	Right	2	5	1.1	11th Avenue NE
13+04	Centerline	3	12	4.0	11th Avenue NE
13+05	Left	8	2	1.8	11th Avenue NE
13+23	Centerline	2	10	2.2	11th Avenue NE
13+24	Left	2	8	1.8	11th Avenue NE
13+24	Right	2	2	0.4	11th Avenue NE
13+31	Right	2	2	0.4	11th Avenue NE
13+42	Left	2	3	0.7	11th Avenue NE
13+42	Left	2	7	1.6	11th Avenue NE
13+42	Centerline	3	3	1.0	11th Avenue NE
				178	

DATE	REVISION	SHEET	BY	2026 STREET REHABILITATION INDEPENDENCE, IOWA		QUANTITIES & TABULATIONS	DRAWN	BMC	<div>CRAWFORD ENGINEERING & SURVEYING, INC. 118 3rd Ave NE Independence, Iowa 50644</div>
							CHECKED	MAC	
							PROJ NO	25502	
							SHEET	C.03	

NOTCHES AND RUNOUTS FOR RESURFACING

* Bid Item. Notch Types: RO = Runout; GE = Gutter Edge. See Detail on Sheet B.01

Street	Location Station	Type of Notch or Runout	<div>S</div>	<div>I</div>	Width	<div>L</div>	<div>M</div>	*Milling	Remarks
			IN	IN	FT	FT	IN	SY	
12th Ave. NW	0+15.5	RO	1 1/2	1 1/2	49	25	1 1/2	68.06	12th Ave. NW - Begin Const.
	0+15.5	GE	1 1/2	1 1/2	600	3	1 1/2	100.00	Gutter Edge Rt.
	0+15.5	GE	1 1/2	1 1/2	573	3	1 1/2	95.50	Gutter Edge Lt.
O'Brien Ct. NW	10+39	GE	1 1/2	1 1/2	488	3	1 1/2	81.33	Gutter Edge Rt.
	10+39	GE	1 1/2	1 1/2	488	3	1 1/2	81.33	Gutter Edge Lt.
9th St. NW	10+00	GE	1 1/2	1 1/2	257	3	1 1/2	42.83	Gutter Edge Rt.
	10+00	GE	1 1/2	1 1/2	257	3	1 1/2	42.83	Gutter Edge Lt.
9th Ave. NW	0+00	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	7th St. NW - Beg. Const.
	0+25	GE	1 1/2	1 1/2	612	3	1 1/2	102.00	Gutter Edge Rt.
	0+25	GE	1 1/2	1 1/2	639	3	1 1/2	106.50	Gutter Edge Lt.
	3+50	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	8th St. NW Int. Rt.
3rd St. SW	10+00	RO	1 1/2	1 1/2	30	25	1 1/2	41.67	7th Ave. Int - West Return
	10+30	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	7th Ave. Int - North Return
	10+33	RO	1 1/2	1 1/2	18	25	1 1/2	25.00	7th Ave. Int - South Return
	10+42	GE	1 1/2	1 1/2	235	3	1 1/2	39.17	Gutter Edge Rt.
	10+42	GE	1 1/2	1 1/2	235	3	1 1/2	39.17	Gutter Edge Lt.
	12+77	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	3rd St. SW - End Const.
							Sub-Total	1015	

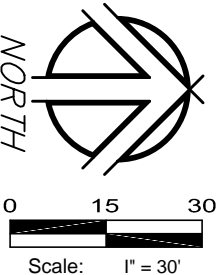
NOTCHES AND RUNOUTS FOR RESURFACING									
* Bid Item. Notch Types: RO = Runout; GE = Gutter Edge. See Detail on Sheet B.01									
Street	Location Station	Type of Notch or Runout	<div>S</div>	<div>I</div>	Width FT	<div>L</div>	<div>M</div>	*Milling SY	Remarks
			IN	IN		FT	IN		
17th St. SE	0+00	RO	1 1/2	1 1/2	28	25	1 1/2	38.89	17th St. SE - Begin Const.
	0+00	GE	1 1/2	1 1/2	1151	3	1 1/2	191.83	Gutter Edge Rt.
	0+00	GE	1 1/2	1 1/2	1151	3	1 1/2	191.83	Gutter Edge Lt.
	11+51	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	17th St. SE - End Const.
3rd St. NE	0+00	RO	1 1/2	1 1/2	51	25	1 1/2	70.83	2nd St. NE - Begin Const.
	0+25	GE	1 1/2	1 1/2	155	3	1 1/2	25.83	Gutter Edge Rt.
	0+25	GE	1 1/2	1 1/2	155	3	1 1/2	25.83	Gutter Edge Lt.
	1+80	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	2nd St. NE - End Const.
2nd St. NE	0+50	RO	1 1/2	1 1/2	25	25	1 1/2	34.72	2nd St. NE - Begin Const.
	0+75	GE	1 1/2	1 1/2	333	3	1 1/2	55.50	Gutter Edge Rt.
	0+75	GE	1 1/2	1 1/2	333	3	1 1/2	55.50	Gutter Edge Lt.
	3+83	RO	1 1/2	1 1/2	64	25	1 1/2	88.89	2nd St. NE - End Const.
	12+41	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	2nd St. NE - Begin Const.
	12+41	GE	1 1/2	1 1/2	607	3	1 1/2	101.17	Gutter Edge Rt.
	12+41	GE	1 1/2	1 1/2	607	3	1 1/2	101.17	Gutter Edge Lt.
5th St. NE	0+51	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	5th St. NE (5th to 6th) - Begin Const.
	0+51	GE	1 1/2	1 1/2	351	3	1 1/2	58.50	Gutter Edge Rt.
	0+51	GE	1 1/2	1 1/2	351	3	1 1/2	58.50	Gutter Edge Lt.
	3+93	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	5th St. NE - 6th Ave. North
	3+93	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	5th St. NE - 6th Ave. South
	4+31	RO	1 1/2	1 1/2	27	25	1 1/2	37.50	5th St. NE (5th to 6th) - End Const.
	8+04	RO	1 1/2	1 1/2	67	25	1 1/2	93.06	5th St. NE (7th to 8th) - Begin Const.
	8+04	GE	1 1/2	1 1/2	363	3	1 1/2	60.50	Gutter Edge Rt.
	8+04	GE	1 1/2	1 1/2	363	3	1 1/2	60.50	Gutter Edge Lt.
	11+67	RO	1 1/2	1 1/2	45	25	1 1/2	62.50	5th St. NE (7th to 8th) - End Const.
11th Ave. NE	10+00	GE	1 1/2	1 1/2	345	3	1 1/2	57.50	Gutter Edge Rt.
	10+00	GE	1 1/2	1 1/2	345	3	1 1/2	57.50	Gutter Edge Lt.
	13+45	RO	1 1/2	1 1/2	53	25	1 1/2	73.61	11th Ave. NE - End Const.
							Sub-Total	1827	
							Total	2842	

ADJUSTMENT OF FIXTURES					
Count	Station	Side	Type of Fixture	Street	Remarks
	10+19	18' L	Water Valve	O'Brien Ct. NW	Incidental item
	10+19	16' L	Water Valve	O'Brien Ct. NW	Incidental item
1	11+09	Centerline	Sanitary Manhole	O'Brien Ct. NW	
1	12+00	18' L	Sanitary Manhole	O'Brien Ct. NW	
1	13+97	Centerline	Sanitary Manhole	O'Brien Ct. NW	
1	10+68	Centerline	Sanitary Manhole	9th Street NW	
1	0+18	4' L	Sanitary Manhole	9th Avenue NW	
1	3+47	6' L	Sanitary Manhole	9th Avenue NW	
	3+55	22' R	Water Valve	9th Avenue NW	Incidental item
1	5+15	6' L	Sanitary Manhole	9th Avenue NW	
	5+26	4' R	Water Valve	9th Avenue NW	Incidental item
1	6+14	4' L	Sanitary Manhole	9th Avenue NW	
	6+56	8' R	Water Valve	9th Avenue NW	Incidental item
1	10+06	2' R	Sanitary Manhole	3rd Street SW	
	10+37	29' L	Water Valve	3rd Street SW	Incidental item
	10+40	31' L	Water Valve	3rd Street SW	Incidental item
	10+59	9' R	Water Valve	3rd Street SW	Incidental item
1	12+41	Centerline	Sanitary Manhole	2nd Street NE	
1	13+26	Centerline	Sanitary Manhole	2nd Street NE	
	15+24	4' R	Water Valve	2nd Street NE	Incidental item
1	15+37	Centerline	Sanitary Manhole	2nd Street NE	
1	17+02	Centerline	Sanitary Manhole	2nd Street NE	
	8+25	2' L	Water Valve	5th Street NE	Incidental item
1	12+65	2' L	Sanitary Manhole	11th Avenue NE	
14	Total				

REMOVE AND REPLACE DRIVES			
Station	Side	Sq. Yds.	Street
0.42	Left	3.9	9th Avenue NW
1+60	Left	1.0	9th Avenue NW
9+20	Right	61.3	17th Street SE
11+25	Left	26.2	17th Street SE
14+36	Left	12.9	2nd St. NE
10+65	Right	4.5	11th Avenue NE
12+31	Right	4.5	11th Avenue NE
Total		114.3	

CURB REMOVAL / REPLACEMENT					
Station		Station	Side	Length (Sta.)	Location
11+84	to	11+92	Right	8	O'Brien Ct. NW
12+22	to	12+38	Right	16	O'Brien Ct. NW
0+27	to	0+33	Right	6	9th Avenue NW
0+38	to	0+46	Left	8	9th Avenue NW
1+58	to	1+62	Left	4	9th Avenue NW
11+80	to	11+86	Right	6	3rd Street SW
11+92	to	11+98	Right	6	3rd Street SW
12+00	to	12+09	Right	9	3rd Street SW
12+24	to	12+28	Right	4	3rd Street SW
12+71	to	12+77	Right	6	3rd Street SW
3+45	to	3+75	Right	30	17th Street SE
3+69	to	3+79	Left	10	17th Street SE
3+86	to	3+96	Left	10	17th Street SE
7+65	to	7+95	Left	30	17th Street SE
8+44	to	8+52	Right	8	17th Street SE
8+82	to	8+98	Right	16	17th Street SE
8+84	to	9+04	Left	20	17th Street SE
9+36	to	9+42	Left	6	17th Street SE
9+76	to	10+16	Left	40	17th Street SE
10+67	to	11+51	Left	84	17th Street SE
11+39	to	11+51	Right	12	17th Street SE
0+78	to	0+84	Right	6	2nd St. NE (7th to 8th)
1+57	to	1+78	Left	21	2nd St. NE (7th to 8th)
1+67	to	1+73	Right	6	2nd St. NE (7th to 8th)
1+89	to	1+94	Right	5	2nd St. NE (7th to 8th)
1+48	to	1+54	Left	6	2nd St. NE (7th to 8th)
2+38	to	2+43	Right	5	2nd St. NE (7th to 8th)
2+67	to	2+71	Right	4	2nd St. NE (7th to 8th)
2+68	to	2+84	Left	16	2nd St. NE (7th to 8th)
2+78	to	2+90	Right	12	2nd St. NE (7th to 8th)
14+21	to	14+51	Left	30	2nd St. NE (Brg to End)
14+84	to	14+88	Left	4	2nd St. NE (Brg to End)
15+62	to	15+74	Left	12	2nd St. NE (Brg to End)
15+81	to	15+87	Right	6	2nd St. NE (Brg to End)
15+82	to	15+96	Left	14	2nd St. NE (Brg to End)
16+10	to	16+15	Left	5	2nd St. NE (Brg to End)
17+97	to	18+24	Right	27	2nd St. NE (Brg to End)
0+00	to	0+15	Right	15	3rd Street NE
1+73	to	1+79	Left	6	3rd Street NE
10+61	to	10+69	Right	8	11th Avenue NE
12+27	to	12+35	Right	8	11th Avenue NE
			Total	555	

DATE	REVISION	SHEET	BY	2026 STREET REHABILITATION INDEPENDENCE, IOWA		QUANTITIES & TABULATIONS	DRAWN	BMC	<div>CRAWFORD ENGINEERING & SURVEYING, INC. 118 3rd Ave NE Independence, Iowa 50644</div>
							CHECKED	MAC	
							PROJ NO	25502	
							SHEET	C.05	



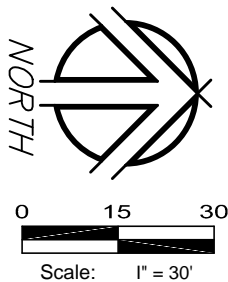
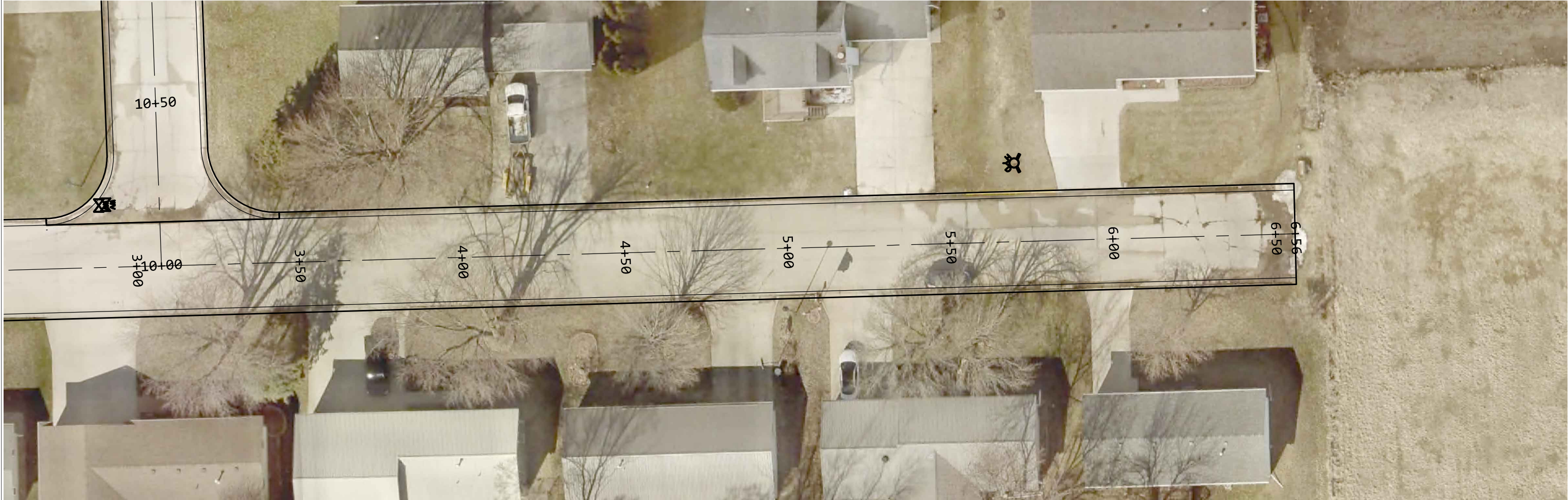
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PLAN & PROFILE SHEETS

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PROJ NO	25502
SHEET	D.01

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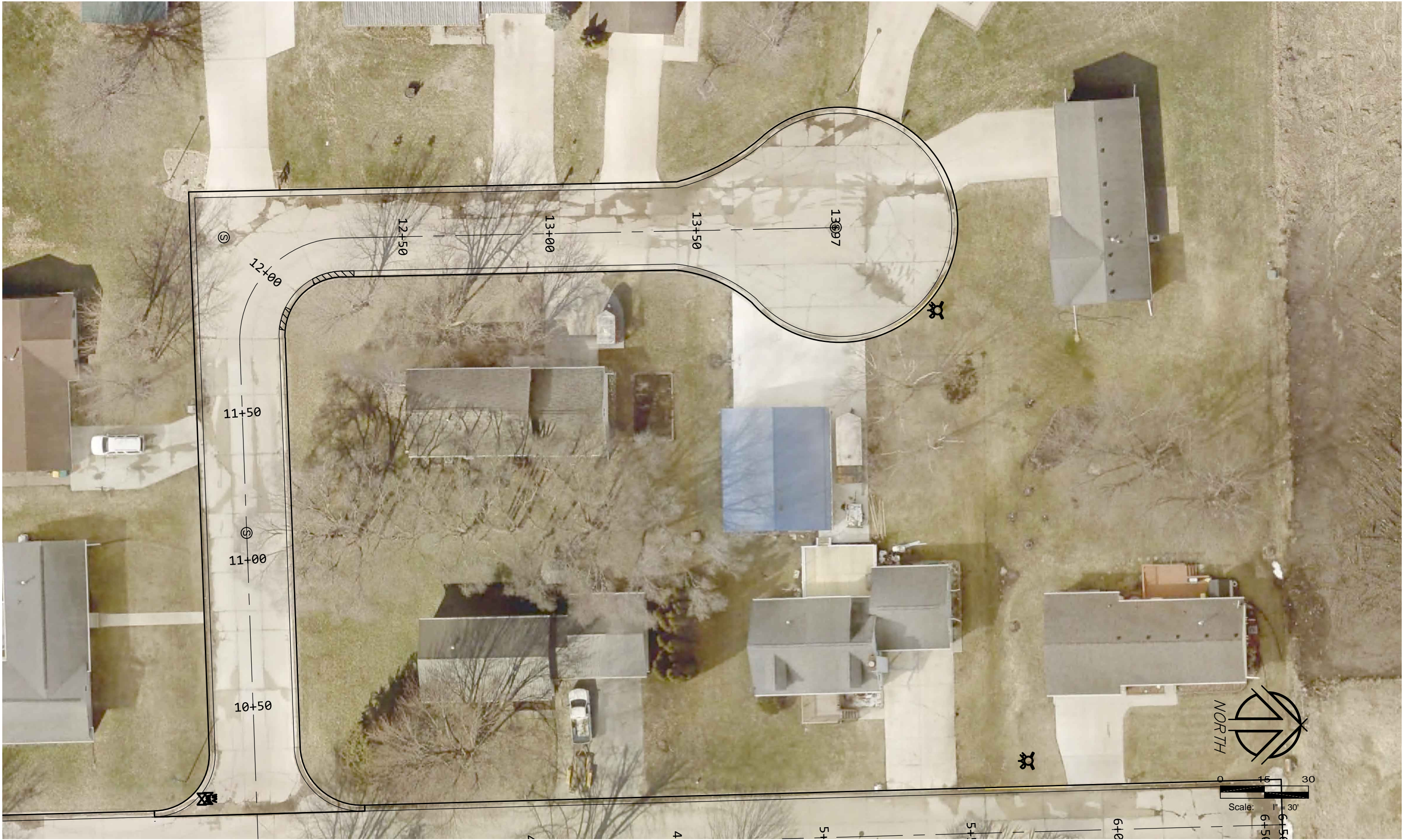
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SHEET	D.02

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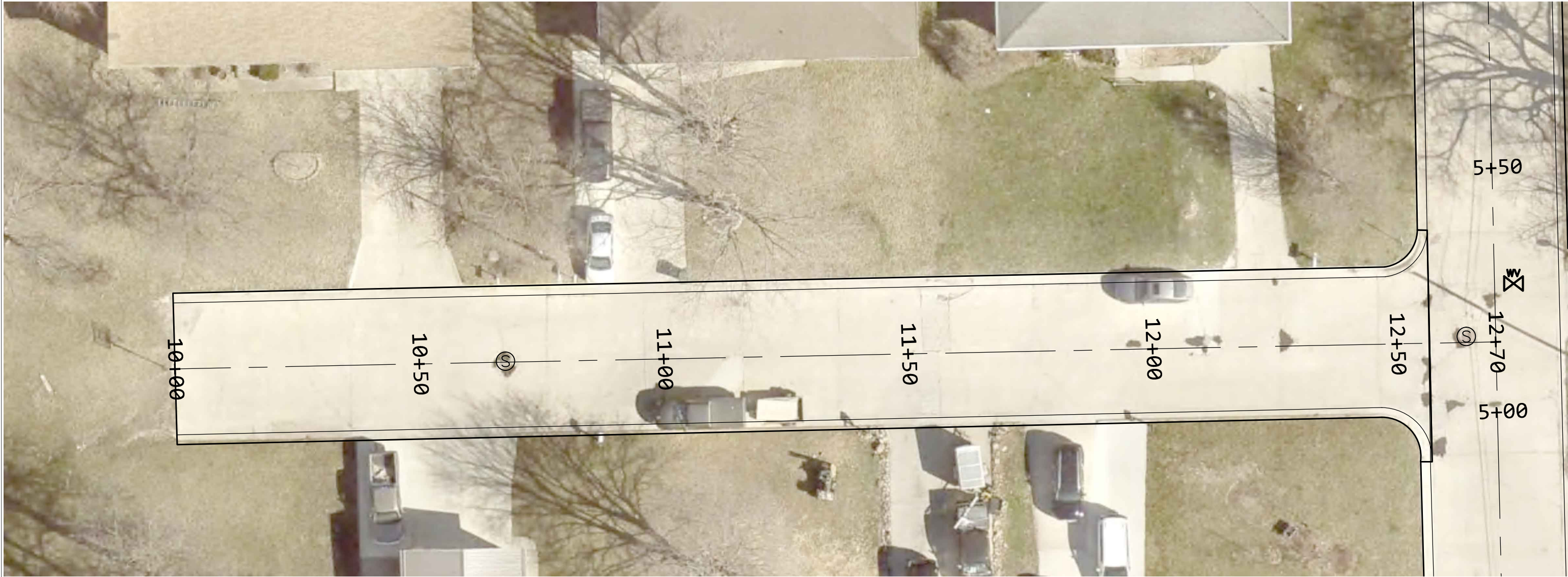
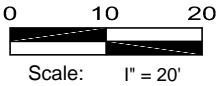
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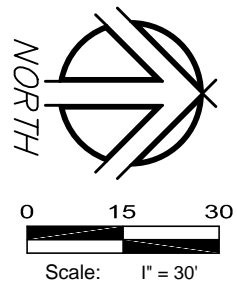
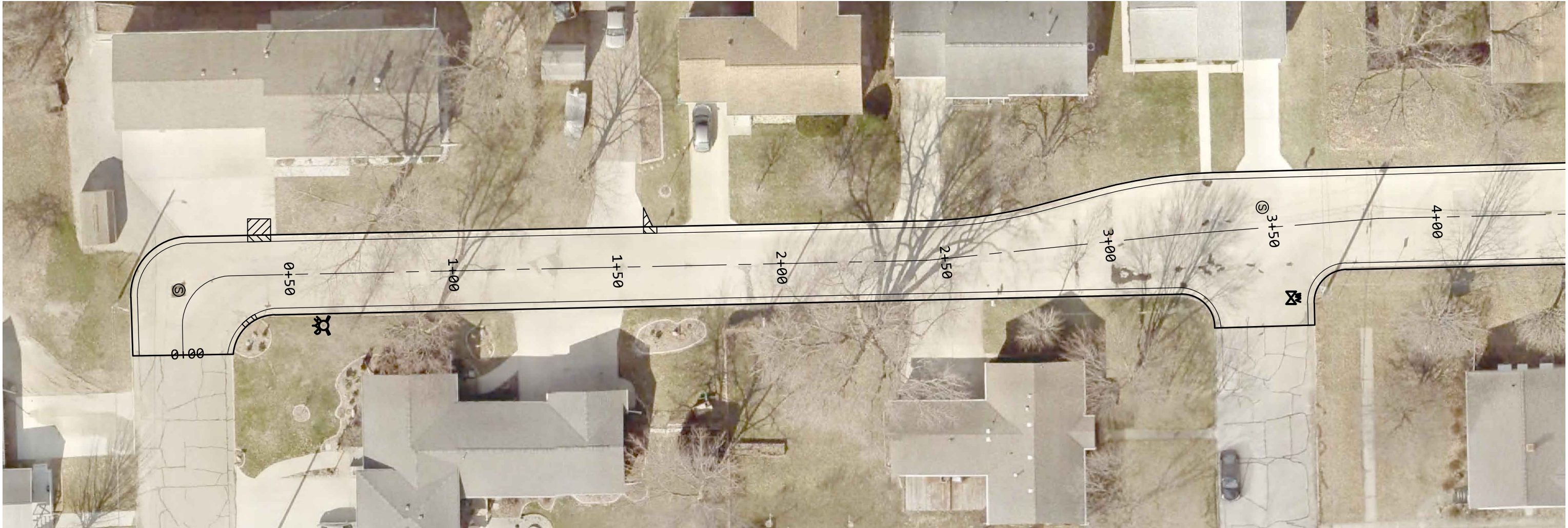
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PROJ NO	25502
SHEET	D.04

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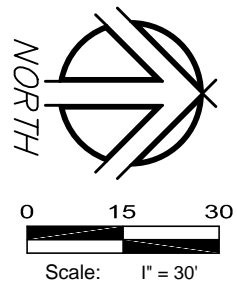
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SHEET	D.05

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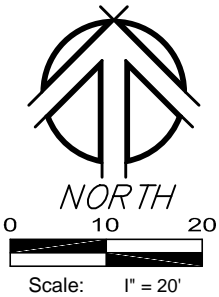
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SHEET	D.06

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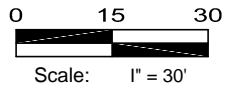
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PROJ NO	25502
SHEET	D.07

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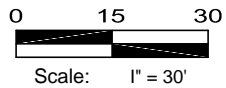
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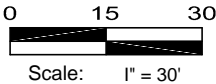
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PROJ NO	25502
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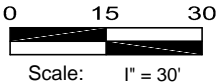
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PROJ NO	25502
SHEET	D.10

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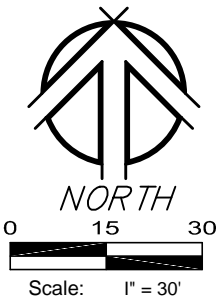
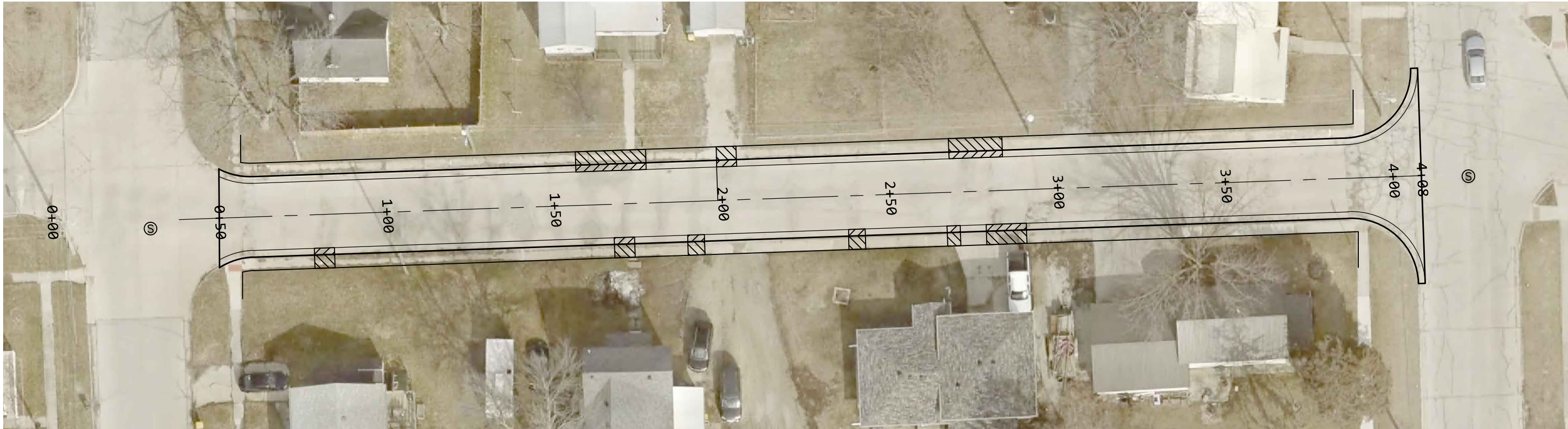
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PROJ NO	25502
SHEET	D.11

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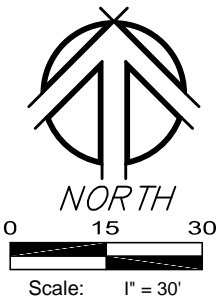
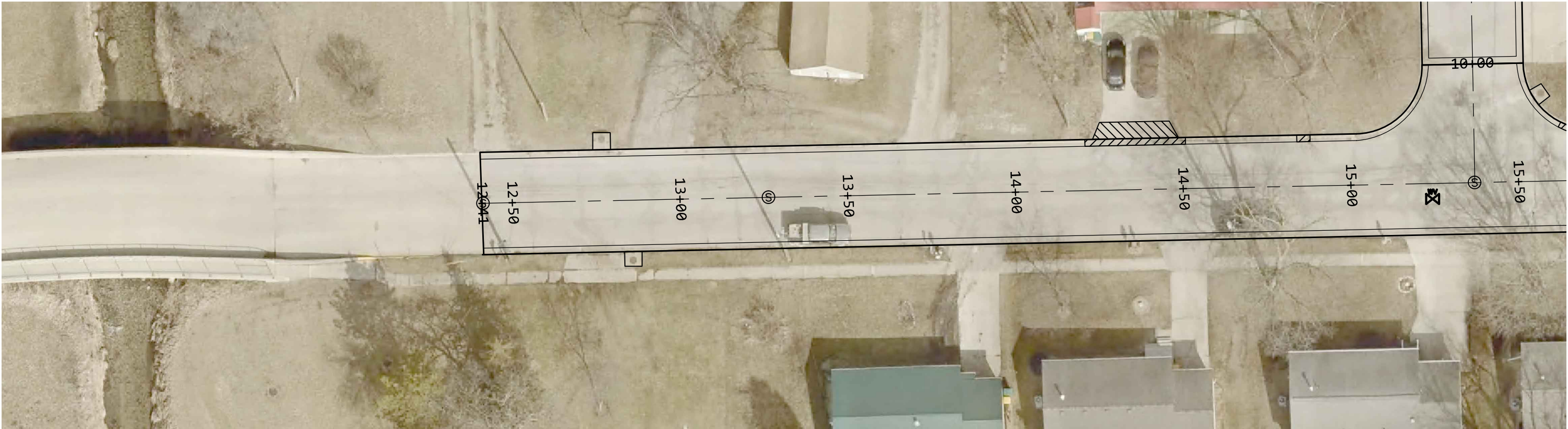
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PROJ NO	25502
SHEET	D.12

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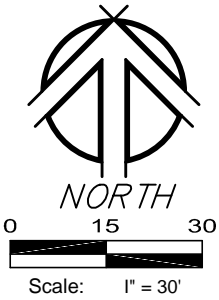
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PROJ NO	25502
SHEET	D.13

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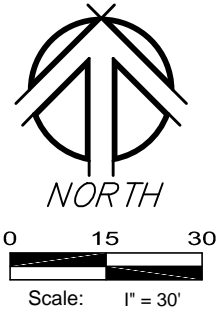
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PROJ NO	25502
SHEET	D.14

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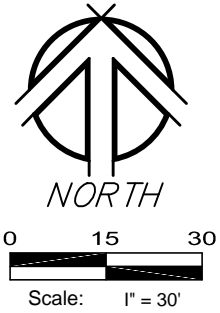
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DRAWN	BMC
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PROJ NO	25502
SHEET	D.16

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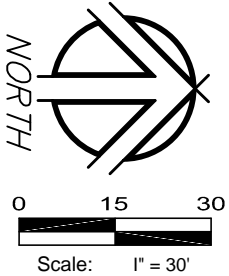
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SHEET	D.17

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SHEET	D.18

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