

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
* A.1	Title Sheet
B Sheets	Typical Cross Sections and Details
B.1 - 3	Typical Cross Sections and Details
C Sheets	Quantities and General Information
C.1 - 2	Estimated Roadway Quantities and Reference Notes
C.3	Project Description
C.3	Standard Road Plans
C.3	Index of Tabulations
C.4 - 8	Tabulations
D Sheets	Mainline Plan Sheets
* D.1 - 8	IA 210 Plan Sheets
H Sheets	Right-of-Way Sheets
H.1 - 7	IA 210 Sidewalk Design ROW Sheets
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
S Sheets	Sidewalk Sheets
* S .1	Sidewalk Legend & Symbol Information Sheet
S .2 - 4	Estimated Sidewalk Quantities and Reference Notes
S .5 - 8	Sidewalk Tabulations
S .9	Sidewalk Traffic Control and Staging
* S .10 - 18	Sidewalk Plan
S .19 - 21	Sidewalk Compliance Tab
U Sheets	500 Series, Mod.Stds. and Detail Sheets
* U.1	Guardrail Details at IA 141 Bridge
	* Color Plan Sheets

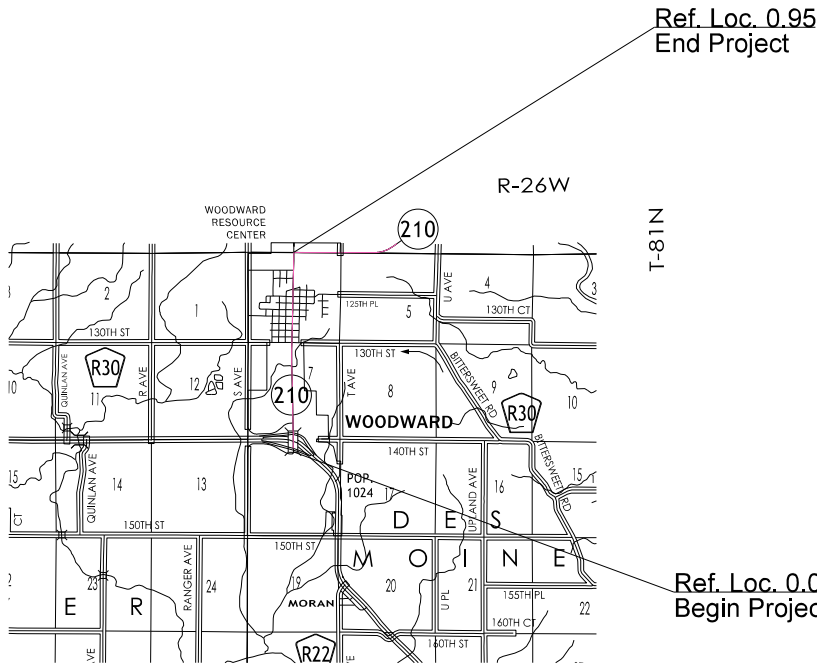


PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
DALLAS COUNTY
HMA Resurfacing with Milling
IA 141 to 0.2 mi N of N 3rd St in Woodward

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



Ref. Loc. 0.00
Begin Project

Ref. Loc. 0.95
End Project



DESIGN DATA RURAL

2023	AADT	3,300	V.P.D.
2043	AADT	4,100	V.P.D.
20	DHV	--	V.P.H.
TRUCKS		4	%
Total			
Design	ESALs	--	

INDEX OF SEALS

A.1	Allison Smyth	Primary Signature Block
S.1	David J. Bovee	Sidewalk Design

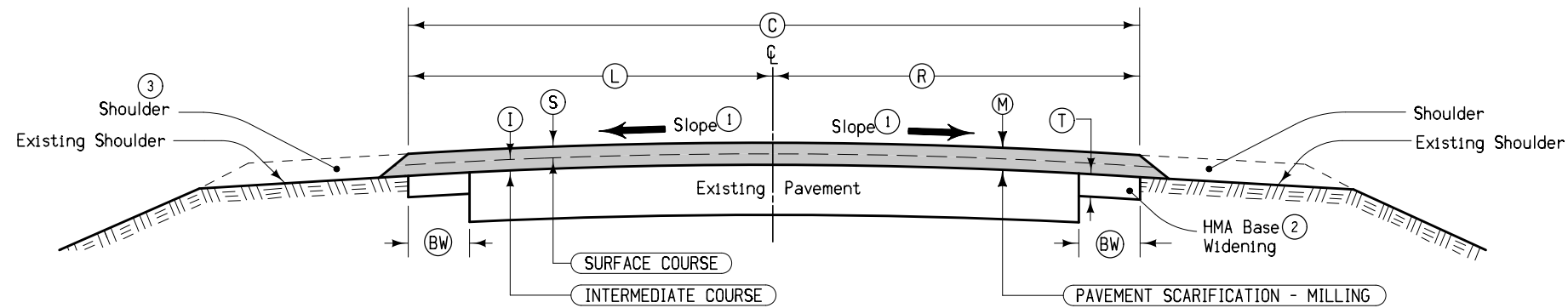
ROADWAY DESIGN



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.

Allison L. P. Smyth
Signature
Allison L. P. Smyth
Printed or Typed Name
My license renewal date is December 31, 2022
Date

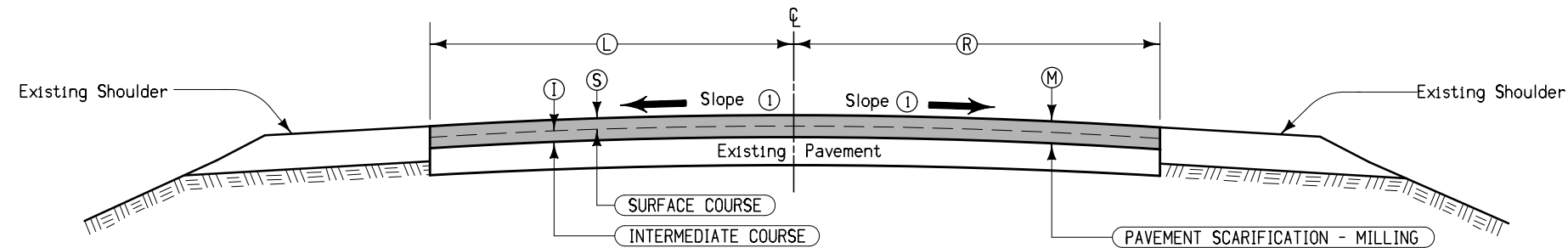
Pages or sheets covered by this seal:
A.1, B.1-B.3, C.1-C.8, D.1-D.8, J.1, & U.1



- ① Match finished slope to existing pavement, except that the maximum allowable slope is 3.0%, minimum allowable slope is 2.0%. Section may be modified as directed by the Engineer through areas of special shaping.
Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.
- ② Base Widening quantities are not included with Resurfacing quantities, see Standard Road Plan PV-203 and Tab. 106-5.
- ③ Refer to shoulder typicals.

Location			Ⓢ	ⓐ	Ⓒ	Ⓜ	Ⓛ	Ⓡ	Ⓣ	ⒷⓌ	Remarks
Road Identification	Station To Station		Inches	Inches	Feet	Inches	Feet	Feet	Inches	Feet	
IA 210	1101+76.6	1102+44.43	1.5	1.5	32	3	12	12	3	4	
	1103+88.5	1153+00	1.5	1.5	32	3	12	12	3	4	
	1193+74	1203+00	1.5	1.5	32	3	12	12	3	4	

TYPICAL CROSS SECTION
HMA RESURFACING WITH BASE WIDENING



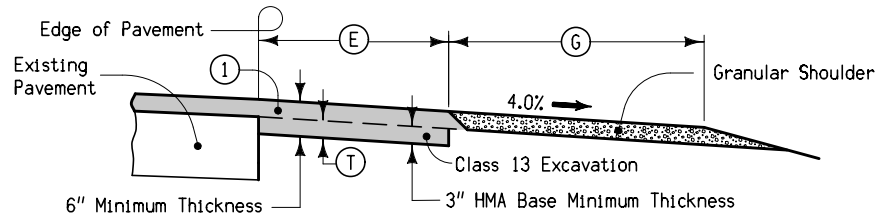
- Notes:
- Section shown in the direction of travel
- ① Match finished slope to existing pavement, except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the Engineer through areas of special shaping.
- Refer to tabulation listing of superelevated curves and Standard Road Plans for additional requirements through superelevated curves.

Design Quantities Per Station									
Location			Ⓢ	ⓐ	Ⓜ	Ⓛ	Ⓡ	Remarks	
Road Identification	Station to Station		Inches	Inches	Inches	Feet	Feet		
IA 210	7978+00	7983+80.6	1.5	1.5	3	12	12	To Bridge Approach	
	* 1100+90.34	1101+60.50	1.5	1.5	3	12	12	From Bridge Approach	
	1153+00	1153+50	1.5	1.5	3	12	12		
	1171+61.30	1182+41.30	1.5	1.5	3	12	12		
	1184+91	1188+07	1.5	1.5	3	14	14		
	1188+07	1193+74	1.5	1.5	3	16	16		

Equation
* 7987+43.6BK = 1100+90.34AH

TYPICAL CROSS SECTION
HMA RESURFACING & PAVEMENT
SCARIFICATION

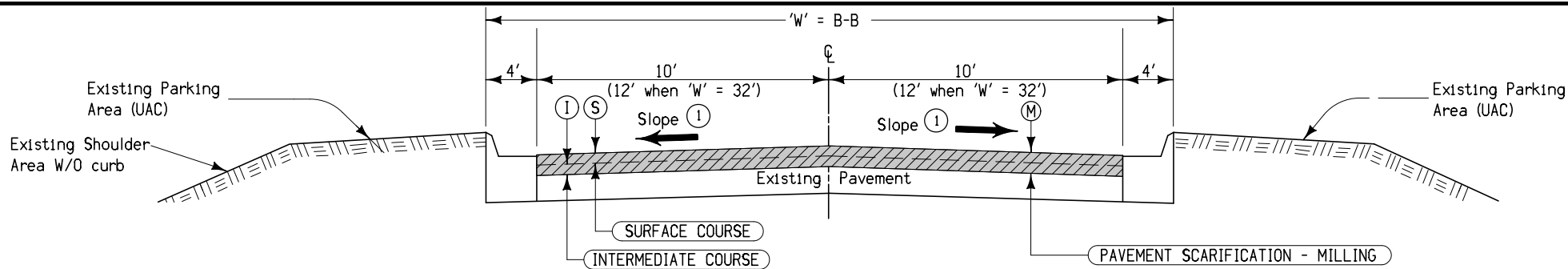
7151
10-15-13



1 HMA and tack coat quantities above the HMA base are included with mainline quantities.

Location			E		T		G	
Road Identification	Station To Station		Feet	Inches	Feet	Inches	Feet	Inches
IA 210	1101+76.6	1102+44.43	RT/LT	4	3	2		
	1103+88.5	1153+00	RT/LT	4	3	2		
	1193+74	1203+00	RT/LT	4	3	2		

TYPICAL SECTION
RETROFIT PAVED SHOULDER



Notes:

- 1 Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the Engineer through areas of special shaping.
- 2 Tack Coat required for 2 applications; tack coat is considered incidental per specifications.

2602 A
Modified

** Refer to Tabulations 100-25 on C Sheets

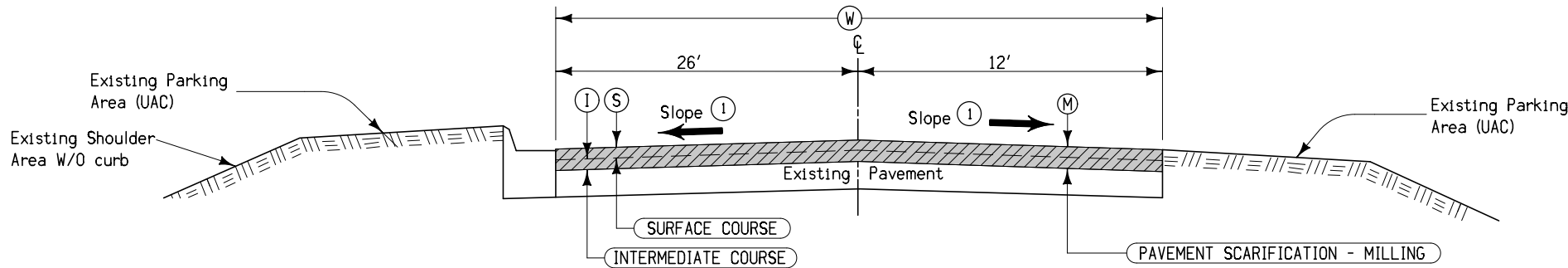
TYPICAL CROSS SECTION
PAVEMENT SCARIFICATION
& HMA RESURFACING IN CURBED AREAS

Proposed Pavement Scarification and HMA Resurfacing Area

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs./cu. ft.
Intermediate Course	147 lbs./cu. ft.
Binder Rate estimate	6% of S + I tons

LOCATION						Per Location			
Road Identification	Side	Station to Station		W	S	I	C	M	Length
IA 210	ML	1153+50	1171+61.3	Feet	Inches	Inches	Feet	Inches	Feet



Notes:

- 1 Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Section may be modified as directed by the Engineer through areas of special shaping.
- 2 Tack Coat required for 2 applications; tack coat is considered incidental per specifications.

2602 B
Modified

** Refer to Tabulations 100-25 on C Sheets

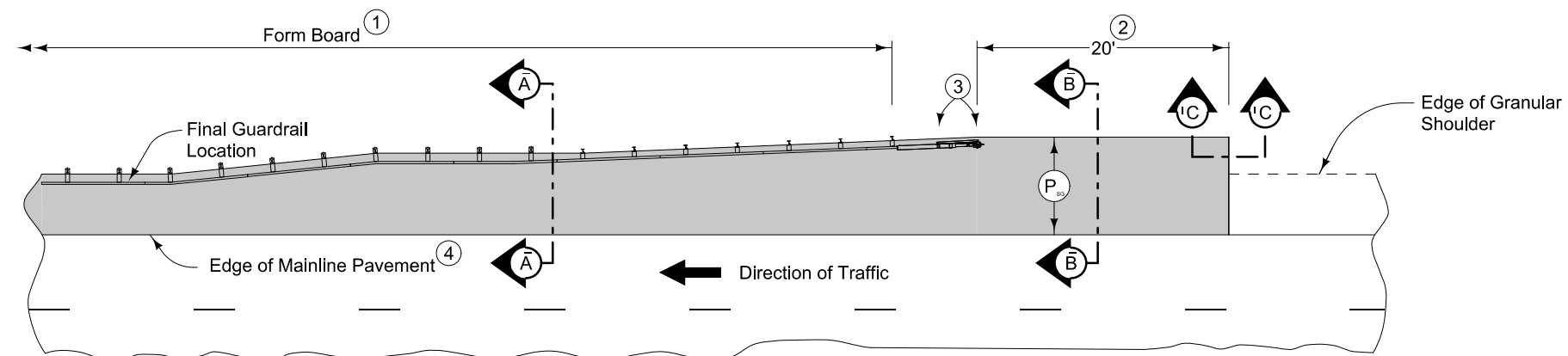
TYPICAL CROSS SECTION
PAVEMENT SCARIFICATION
& HMA RESURFACING IN CURBED AREAS

Proposed Pavement Scarification and HMA Resurfacing Area

DESIGN RATES

ITEM	RATE
Surface Course	147 lbs./cu. ft.
Intermediate Course	147 lbs./cu. ft.
Binder Rate estimate	6% of S + I tons

LOCATION						Per Location			
Road Identification	Side	Station to Station		W	S	I	C	M	Length
IA 210	ML	1182+41.30	1184+91	Feet	Inches	Inches	Feet	Inches	Feet



PLAN VIEW

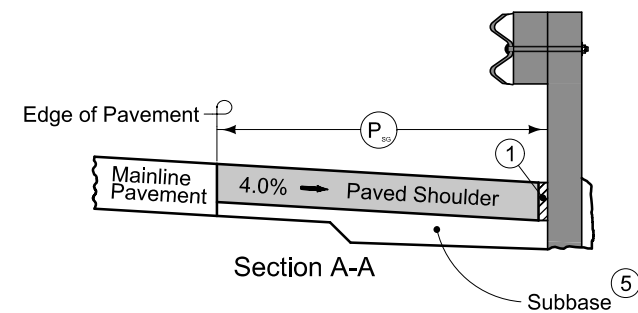
9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at $P/2$ from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

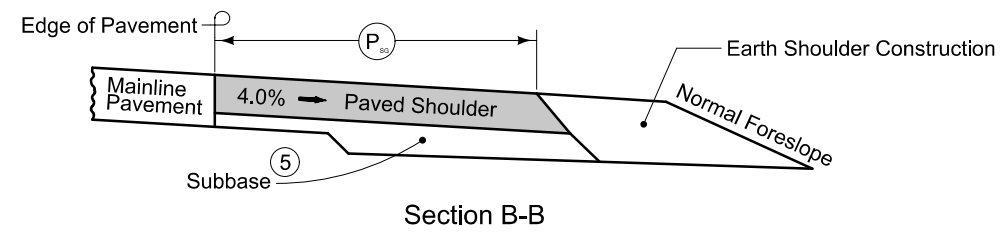
Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal and reinstallation of guardrail will be allowed with no additional payment.

Refer to Tabulation 112-9 for shoulder quantities.

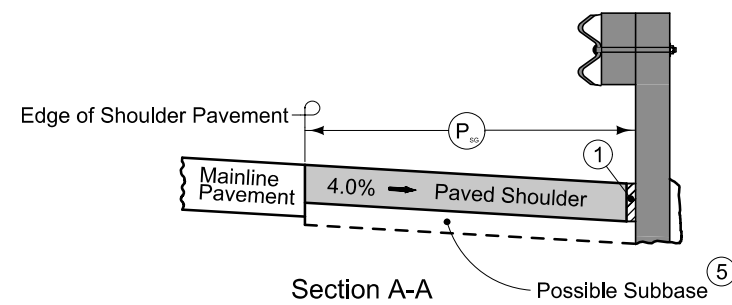
- ① PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown.
- ② Continue paved shoulder 20 feet beyond the center of the first post.
- ③ Shoulder may be notched for first 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.
- ④ 'KT' joint (per PV-101) for PCC shoulder.
'B' joint (per PV-101) for HMA shoulder.
- ⑤ Refer to other details in the plan.



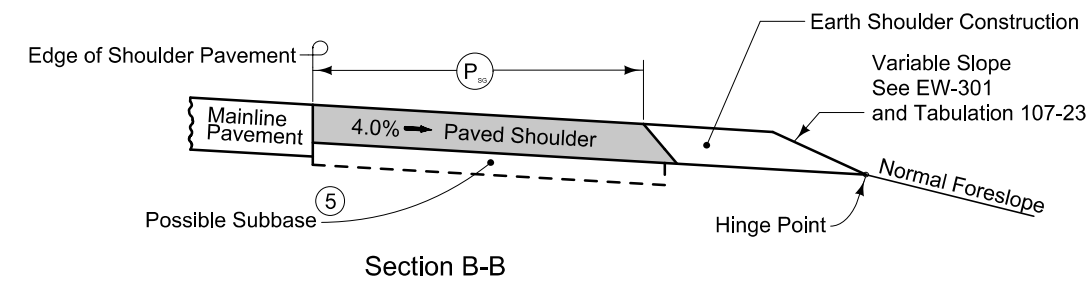
NEW CONSTRUCTION



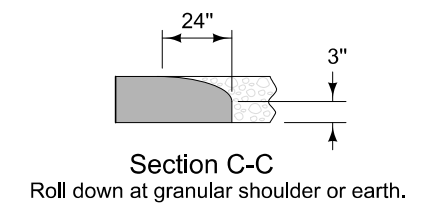
Section B-B



EXISTING SHOULDER



Section B-B



PAVED SHOULDER AT GUARDRAIL
(GRANULAR SHOULDER ADJACENT TO MAINLINE)

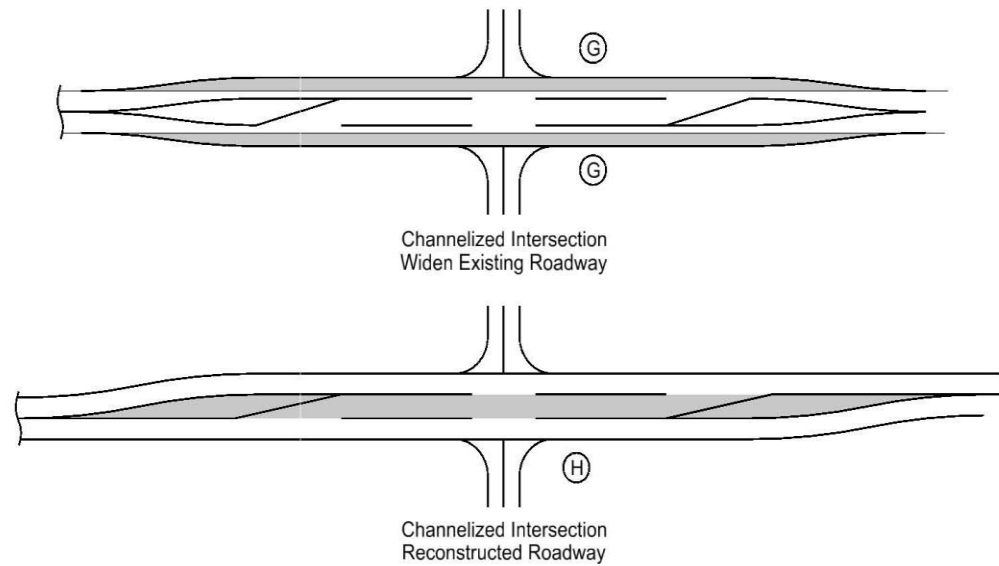
ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2122-5500090	PAVED SHOULDER, HOT MIX ASPHALT MIXTURE, 9 IN.	SY	552.2	Refer to Tab. 100-25 on C sheets and typical 7156 on B.3.
2	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	162	Refer to Tab. 112-9 on C Sheets
3	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	348	Refer to Tabulation 102-6C on C sheets.
4	2212-5070330	PATCHES BY COUNT (REPAIR)	EACH	15	
5	2213-2713300	EXCAVATION, CLASS 13, FOR WIDENING	CY	447.1	Refer to Tabs. 106-5 and 112-9 on the C sheets and Typical 7151 on Sheet B.2.
6	2213-6745500	REMOVAL OF CURB	STA	1	Refer to Tab. 110-4 on C sheets.
7	2213-8201030	BASE WIDENING, 3 IN. HOT MIX ASPHALT MIXTURE	SY	5,182	Refer to Tab. 106-5 on C Sheets.
8	2214-5145150	PAVEMENT SCARIFICATION	SY	33,563.2	Refer to Tab. 100-25 and Typical 2617 and 2618 on Sheet B.1
9	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	2,794.4	Refer to Tab. 100-25 on C sheets and Typical 2617 and 2618 on Sheet B.1.
10	2303-1033504	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, FRICTION L-4	TON	2,781.6	
11	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	334.6	
12	2303-6911000	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1	
13	2303-7000610	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE LABORATORY VOIDS (FORMULA - BY PAY FACTOR)	EACH	2,750.1	Refer to Tab. 100-25 on C sheets. Quantity is .50 x tons of total HMA surface and intermediate.
14	2303-7000620	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA MIXTURE FIELD VOIDS (FORMULA - BY PAY FACTOR)	EACH	2,750.1	Refer to Tab. 100-25 on C sheets. Quantity is .50 x tons of total HMA surface and intermediate.
15	2308-1000000	ASPHALT EMULSION FOR FOG SEAL (SHOULDERS)	GAL	118.5	Refer to Tab. 112-10 on C Sheets.
16	2317-7000120	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR HMA PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	8,073.65	Refer to Tab. 100-25 on C sheets. Quantity is .24 x SY of final lift mix.
17	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	240	Refer to Tab. 110-7A on C sheets.
18	2505-4008300	STEEL BEAM GUARDRAIL	LF	150	Refer to Tab. 108-8A on C Sheet.
19	2505-4008410	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-201	EACH	4	

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
20	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	4	Refer to Tab. 112-4 on C. Sheets.
21	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205	EACH	4	
22	2512-1725406	CURB AND GUTTER, P.C. CONCRETE, 4.0 FT.	LF	100	
23	2520-3350015	FIELD OFFICE	EACH	1	Refer to Tab. 108-22 on C sheets.
24	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	1,071.74	
25	2527-9270111	GROOVES CUT FOR PAVEMENT MARKINGS	STA	333.25	
26	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan on Sheet J.1.
27	2528-8445113	FLAGGERS	EACH	0	See Proposal.
28	2528-8445115	PILOT CARS	EACH	0	
29	2533-4980005	MOBILIZATION	LS	1	--
30	2548-0000100	MILLED SHOULDER RUMBLE STRIPS, HMA SURFACE	STA	109.15	Refer to Tab. 112-10 on C Sheets.
31	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	55.25	

NOTE: Refer to Sheet S.1 for Estimated Sidewalk Quantities and Estimate Reference Notes



- Calculations assume a surface course unit weight (lbs/cf) of 145, an intermediate course unit weight (lbs/cf) of 145, a base course unit weight (lbs/cf) of 0, and a special backfill unit weight (lbs/cf) of 140.

[illegible]

- Calculations assume a HMA unit weight (lbs/cf) of 145, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION

FILE NO.	ENGLISH	DESIGN TEAM	Smyth\Adev\Ringgenberg	DALLAS	COUNTY	PROJECT NUMBER	STP-210-1(003)--2C-25	SHEET NUMBER	C.5
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PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.

***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

****NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.**

ELW4: Edge Line Right (White) @ 1.00

NPY4: No Passing Zone Line (Yellow) @ 1.25

BCY4: Broken Centerline (Yellow) @ 0.25

DCY4: Double Centerline (Yellow) @ 2.00

CBW6: Crosswalk Bar (White) @ 15.00

SLW2: Stop Line (White) @ 6.00

				Location				Length by Line Type (Unfactored)															Remarks			
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	NPY4**	BCY4*	DCY4	CBW6	SLW2													
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA		STA		
TEMP PAINT AFTER MILLING																										
IA 210	7978+00.00	7987+43.60	BOTH	Waterborne/Solvent Paint	X	X	X	18.87	9.44																	
	1100+90.30	1107+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.20	6.10																	
	1107+00.00	1110+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	6.00		3.00																
	1110+00.00	1116+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.00	6.00																	
	1116+00.00	1121+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	10.00	5.00																	
	1121+00.00	1140+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	38.00	19.00																	
	1140+00.00	1153+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	26.00			13.00															
	1153+00.00	1171+61.00	BOTH	Waterborne/Solvent Paint		X					18.61															
	1171+61.00	1174+81.00	BOTH	Waterborne/Solvent Paint		X					3.20															
	1174+81.00	1175+30.00	BOTH	Waterborne/Solvent Paint		X					0.49															
	1175+30.00	1178+50.00	BOTH	Waterborne/Solvent Paint		X					3.20															
	1178+50.00	1179+00.00	BOTH	Waterborne/Solvent Paint		X					0.50															
	1179+00.00	1188+25.00	BOTH	Waterborne/Solvent Paint		X					9.25															
	1188+25.00	1203+50.00	BOTH	Waterborne/Solvent Paint	X	X	X	30.50			15.25															
	TEMP PAINT AFTER MILLING FIRST LIFT																									
	IA 210	7978+00.00	7987+43.60	BOTH	Waterborne/Solvent Paint	X	X	X	18.87	9.44																
		1100+90.30	1107+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.20	6.10																
1107+00.00		1110+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	6.00		3.00																
1110+00.00		1116+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.00	6.00																	
1116+00.00		1121+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	10.00	5.00																	
1121+00.00		1140+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	38.00	19.00																	
1140+00.00		1153+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	26.00			13.00															
1153+00.00		1171+61.00	BOTH	Waterborne/Solvent Paint		X					18.61															
1171+61.00		1174+81.00	BOTH	Waterborne/Solvent Paint		X					3.20															
1174+81.00		1175+30.00	BOTH	Waterborne/Solvent Paint		X					0.49															
1175+30.00		1178+50.00	BOTH	Waterborne/Solvent Paint		X					3.20															
1178+50.00		1179+00.00	BOTH	Waterborne/Solvent Paint		X					0.50															
1179+00.00		1188+25.00	BOTH	Waterborne/Solvent Paint		X					9.25															
1188+25.00		1203+50.00	BOTH	Waterborne/Solvent Paint	X	X	X	30.50			15.25															
FINAL PAVEMENT MARKINGS																										
IA 210		7978+00.00	7987+43.60	BOTH	Waterborne/Solvent Paint	X	X	X	18.87	9.44																
		1100+90.30	1107+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.20	6.10																
	1107+00.00	1110+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	6.00		3.00																
	1110+00.00	1116+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	12.00	6.00																	
	1116+00.00	1121+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	10.00	5.00																	
	1121+00.00	1140+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	38.00	19.00																	
	1140+00.00	1153+00.00	BOTH	Waterborne/Solvent Paint	X	X	X	26.00			13.00															
	1153+00.00	1171+61.00	BOTH	Waterborne/Solvent Paint		X					18.61															
	1171+61.00	1174+81.00	BOTH	Waterborne/Solvent Paint		X					3.20															
	1174+81.00	1175+30.00	BOTH	Waterborne/Solvent Paint		X					0.49	2.00	1.00													
	1175+30.00	1178+50.00	BOTH	Waterborne/Solvent Paint		X					3.20															
	1178+50.00	1179+00.00	BOTH	Waterborne/Solvent Paint		X					0.50	2.00	1.00													
	1179+00.00	1188+25.00	BOTH	Waterborne/Solvent Paint		X					9.25															
	1188+25.00	1203+50.00	BOTH	Waterborne/Solvent Paint	X	X	X	30.50			15.25															
		7978+00.00	7987+43.60		Grooves Cut for Pavement Markings	X	X	X	153.57	40.54	8.00	63.50														
		1100+90.30	1203+50.00																							

FULL-DEPTH PATCHES

Possible Standards: PR-101, PR-102, PR-103, PR-104, PR-105 and PR-140.

[illegible]

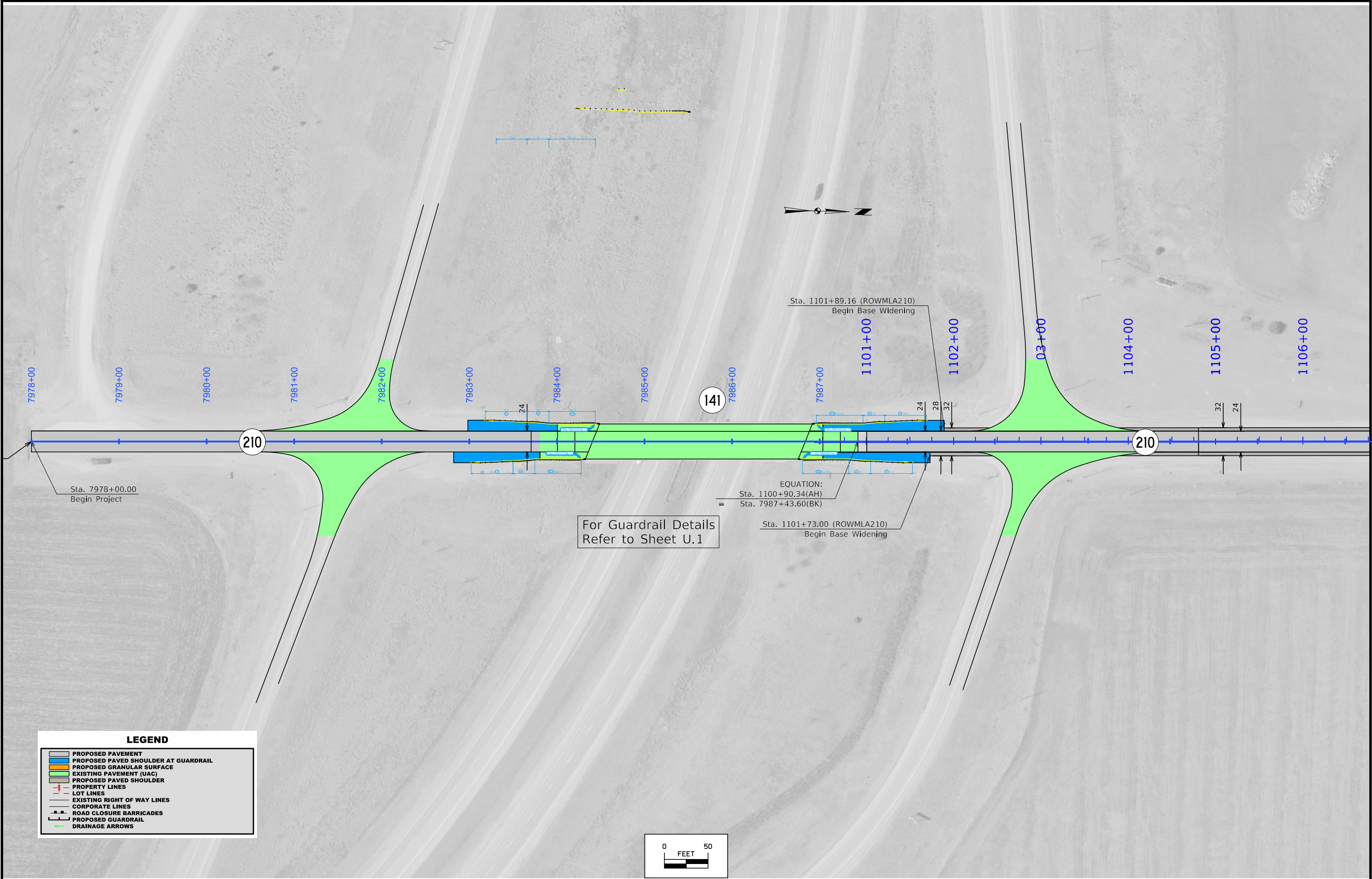
CURB REMOVAL

Begin Station	End Station	Side	Length	Remarks
			STA	
1168+23.00	1168+73.00	Lt	0.5	
1168+23.00	1168+73.00	Rt	0.5	
	Total		1.0	

CURBS AND RAISED ISLANDS

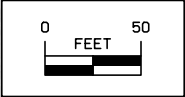
Refer to PV 20 ,PV 102 , and 6000 Detail Series.

(1) Item							
Point No.	Station	Offset	Island Interior	Curb and Gutter			Remarks
			Area (1)	Curb Type	Gutter Width	Length (1)	
			SY		FT	LF	
	1168+23.00	Lt		6" Standard PCC		50.0	
	1168+23.00	Rt		6" Standard PCC		50.0	
						100.0	



LEGEND

	PROPOSED PAVEMENT
	PROPOSED PAVED SHOULDER AT GUARDRAIL
	PROPOSED GRANULAR SURFACE
	EXISTING PAVEMENT (UAC)
	PROPOSED PAVED SHOULDER
	PROPERTY LINES
	LOT LINES
	EXISTING RIGHT OF WAY LINES
	CORPORATE LINES
	ROAD CLOSURE BARRICADES
	PROPOSED GUARDRAIL
	DRAINAGE ARROWS







1120+00

1121+00

1122+00

1123+00

1124+00

1125+00

1126+00

1127+00

1128+00

1129+00

1130+00

1131+00

1132+00

1133+00

1134+00

1135+00

210

LEGEND

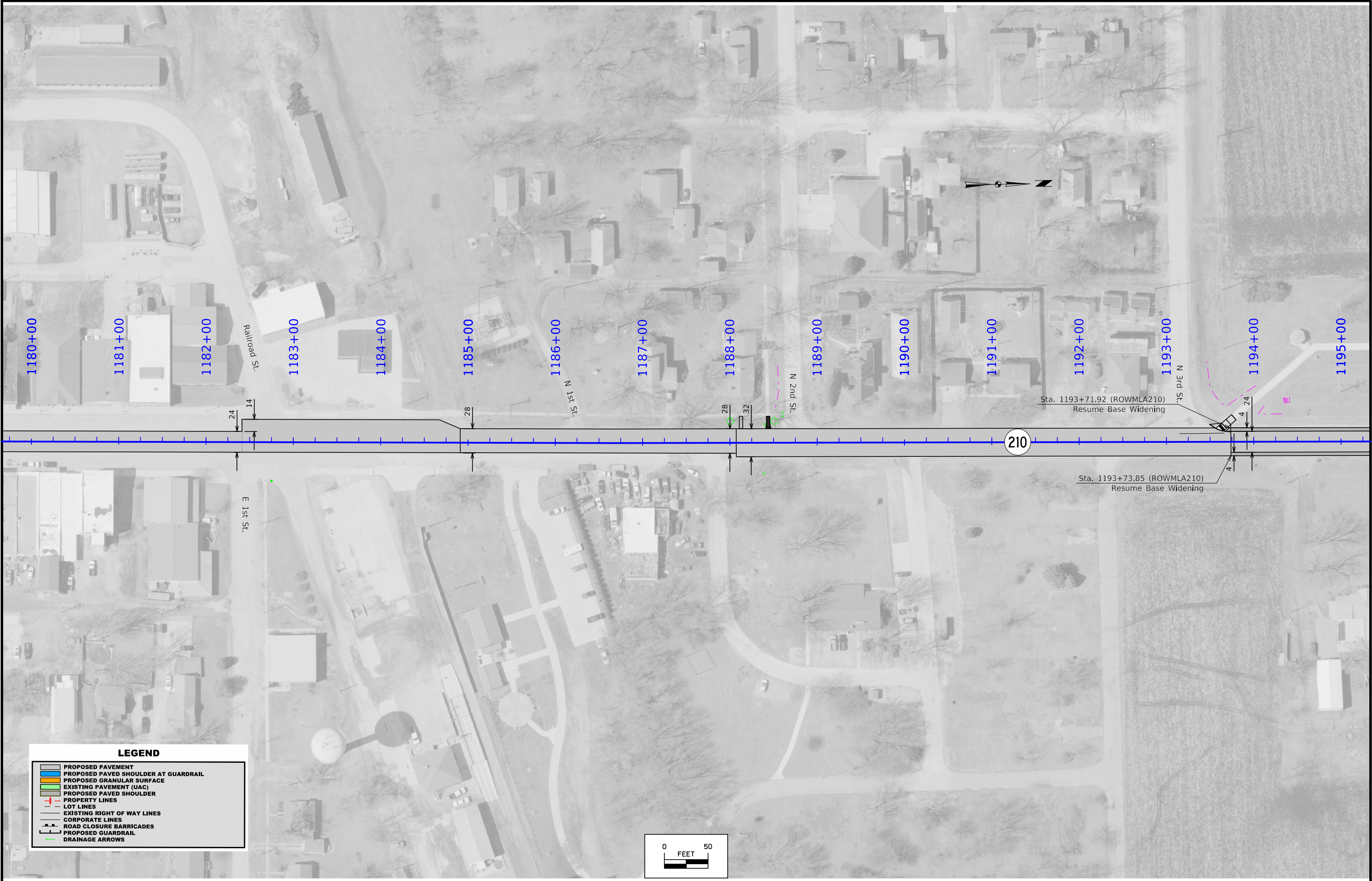
- PROPOSED PAVEMENT
- PROPOSED PAVED SHOULDER AT GUARDRAIL
- PROPOSED GRANULAR SURFACE
- EXISTING PAVEMENT (UAC)
- PROPOSED PAVED SHOULDER
- PROPERTY LINES
- LOT LINES
- EXISTING RIGHT OF WAY LINES
- CORPORATE LINES
- ROAD CLOSURE BARRICADES
- PROPOSED GUARDRAIL
- DRAINAGE ARROWS

0 50
FEET

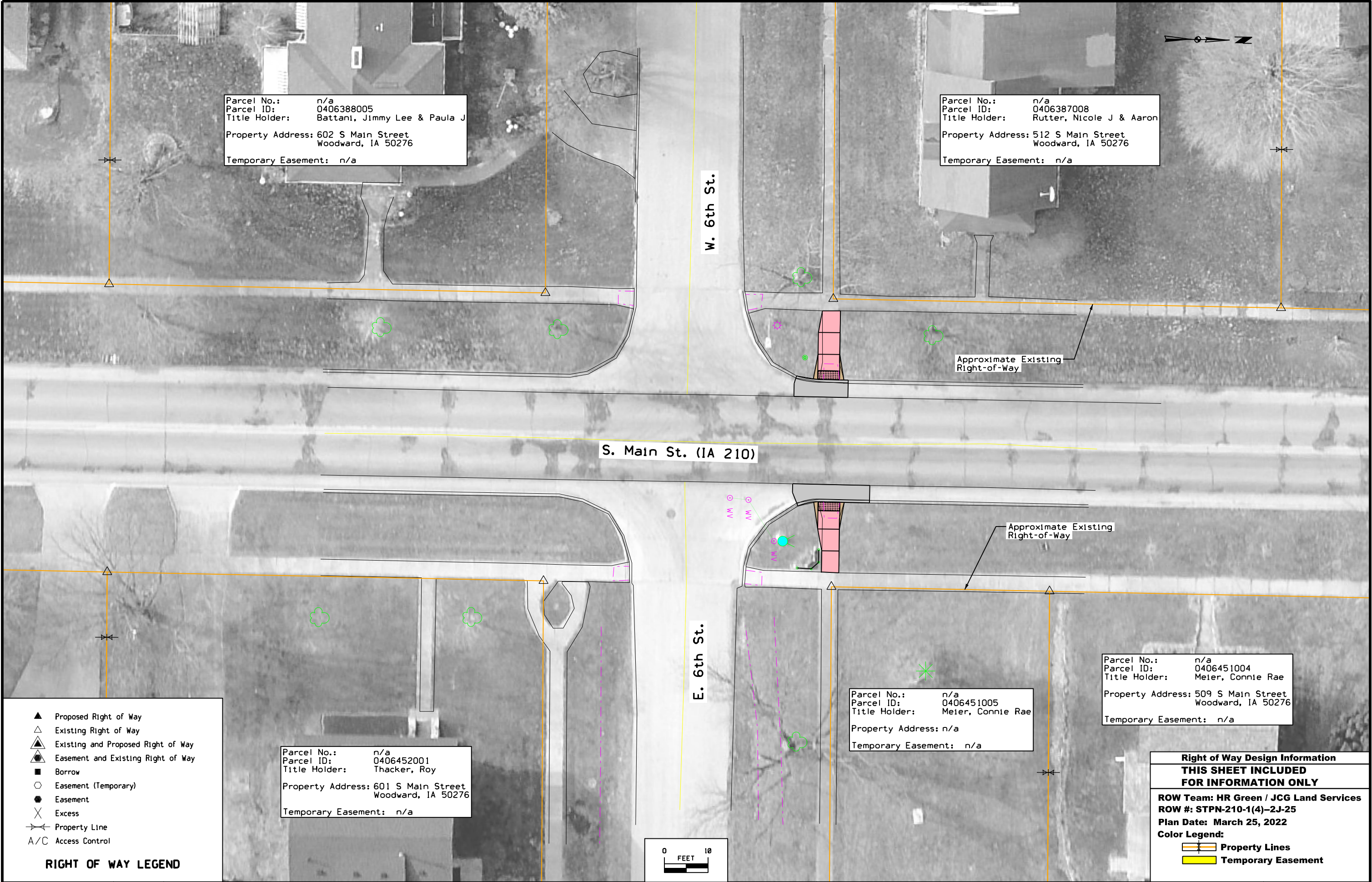


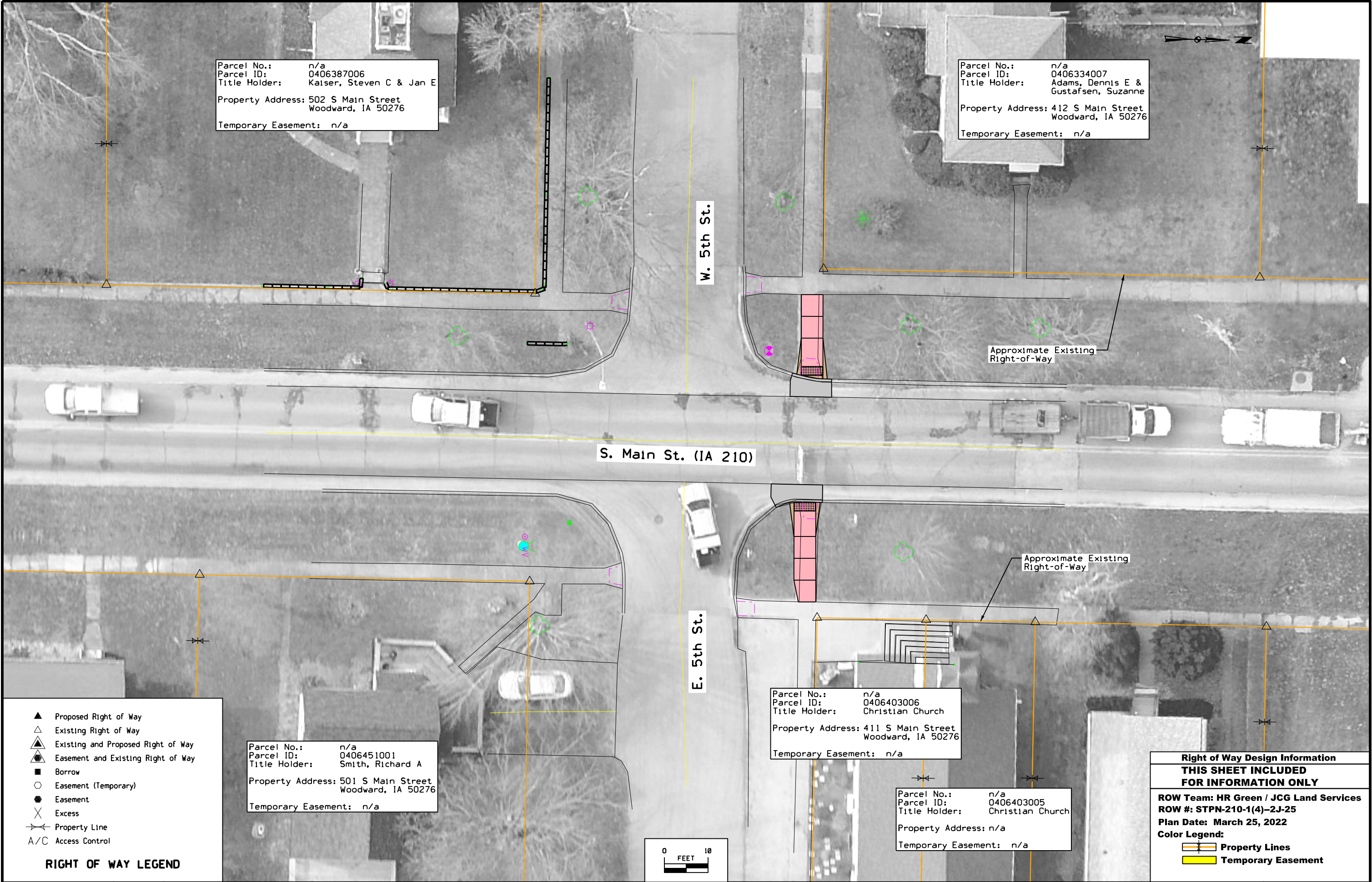


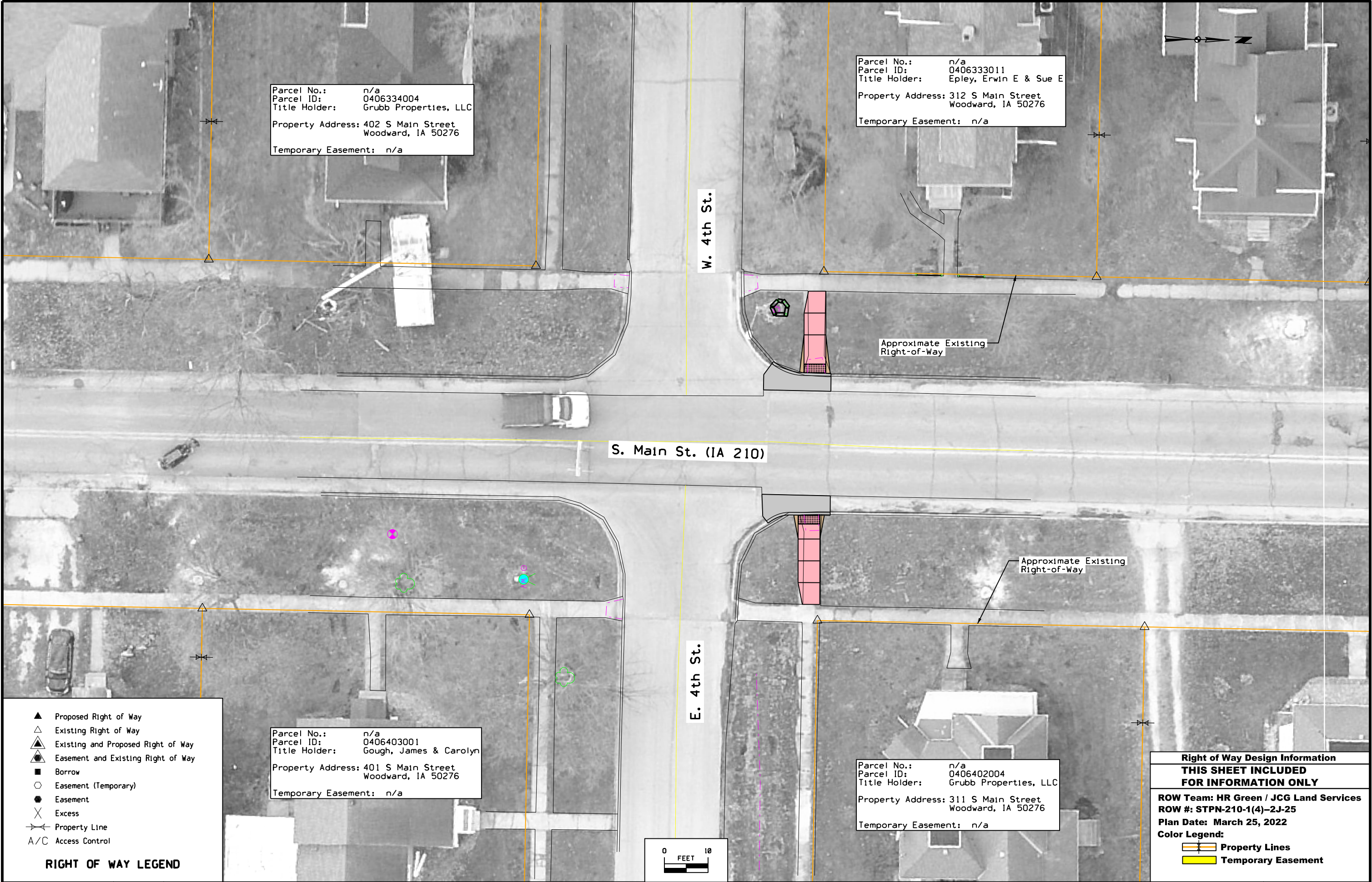


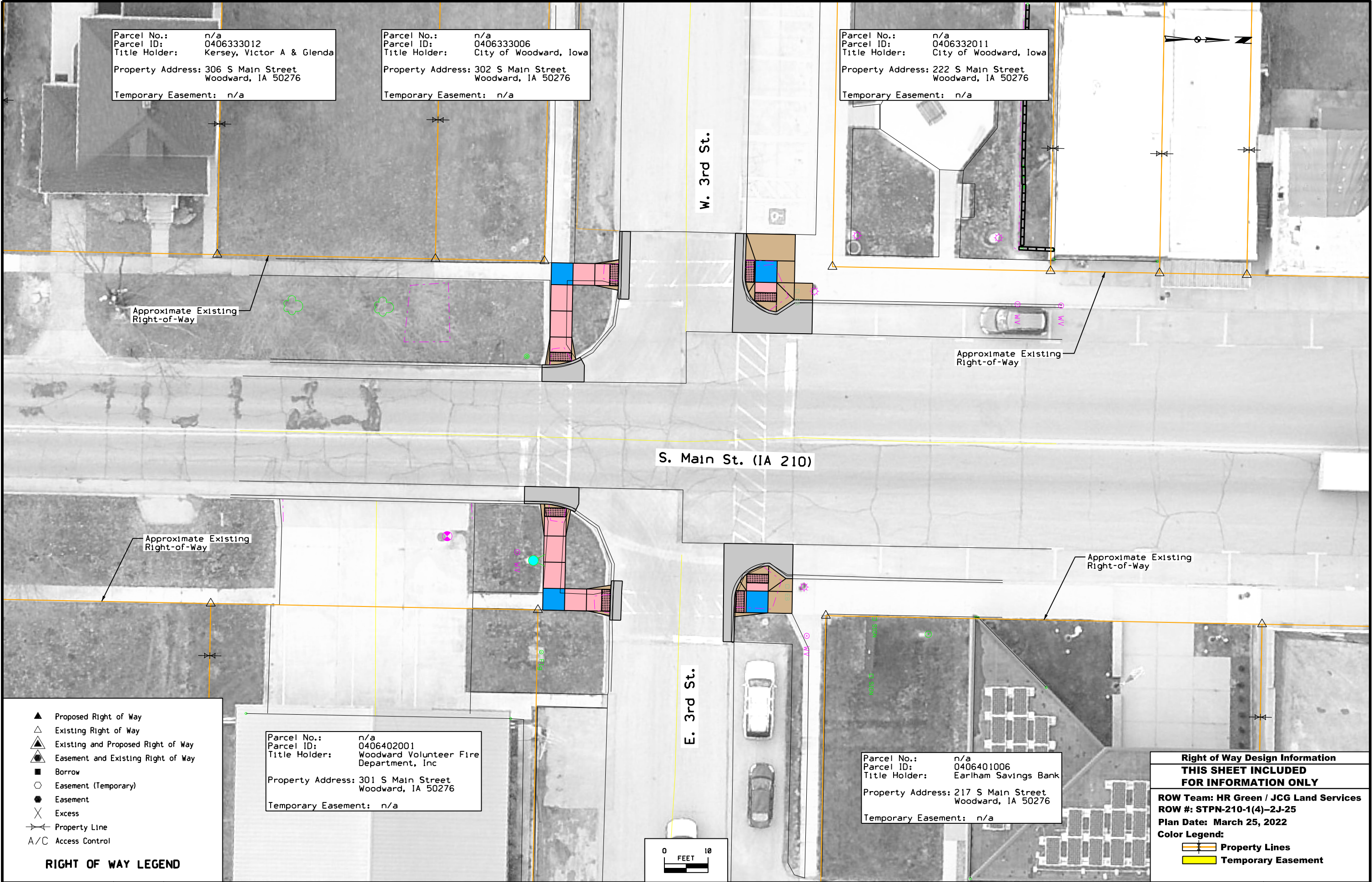














Parcel No.: W00-001
Parcel ID: 0406332006
Title Holder: Sullivan, Brian & Elizabeth
Property Address: 204 S Main Street
Woodward, IA 50276
Temporary Easement: 75 SF

Parcel No.: W00-003
Parcel ID: 0406187013
Title Holder: Home Solutions
Investments, LLC
Property Address: 124 S Main Street
Woodward, IA 50276
Temporary Easement: 40.3 SF

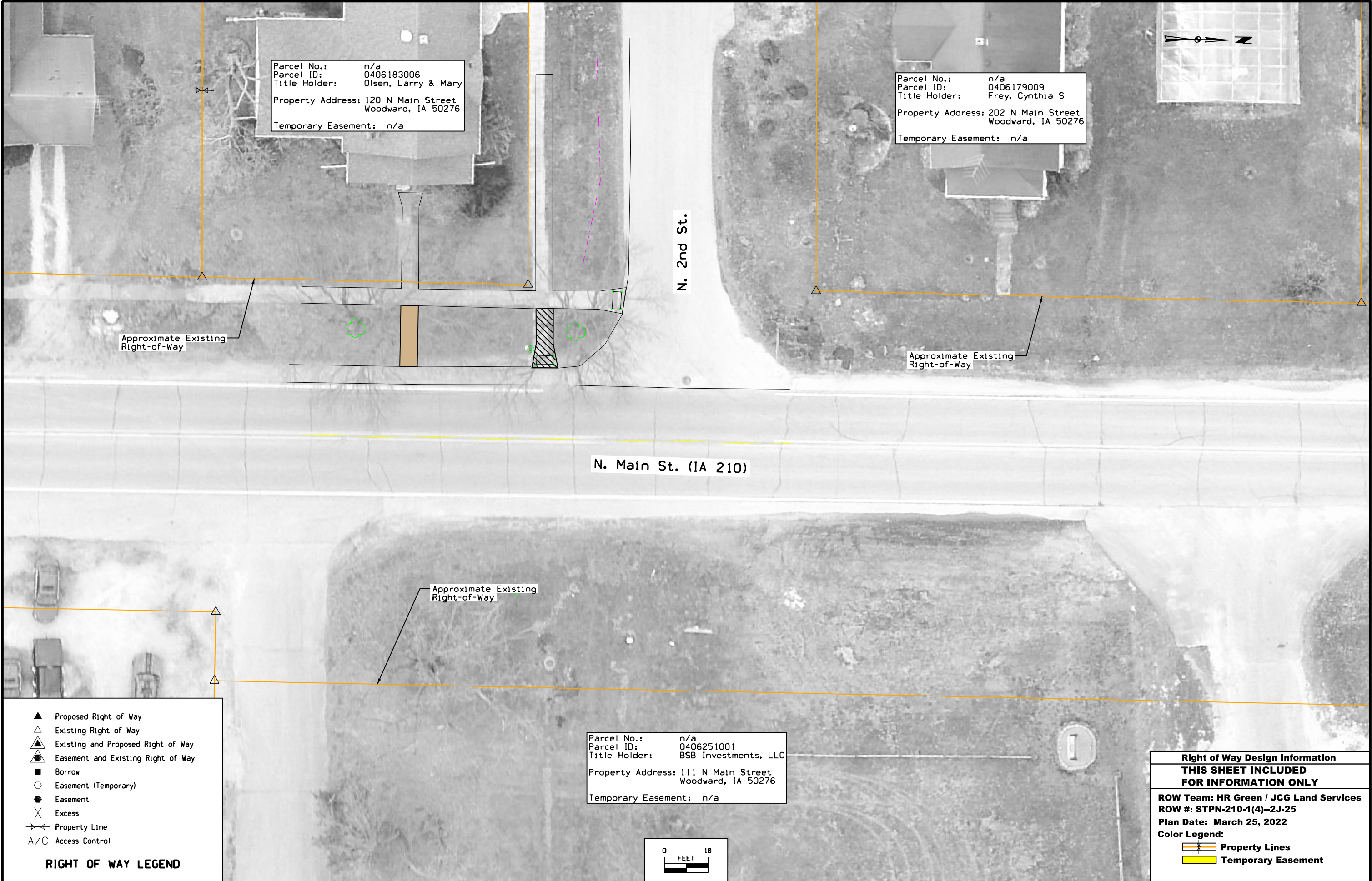
Parcel No.: W00-002
Parcel ID: 0406401001
Title Holder: Clutch Investments, LLC
Property Address: 201 S Main Street
Woodward, IA 50276
Temporary Easement: 75 SF

Parcel No.: W00-004
Parcel ID: 0406256008
Title Holder: Overton, Clayton D
Property Address: 123 S Main Street
Woodward, IA 50276
Temporary Easement: 21.9 SF

- ▲ Proposed Right of Way
- △ Existing Right of Way
- ▲△ Existing and Proposed Right of Way
- ▲△ Easement and Existing Right of Way
- Borrow
- Easement (Temporary)
- Easement
- ✕ Excess
- ✕ Property Line
- A/C Access Control

RIGHT OF WAY LEGEND

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: HR Green / JCG Land Services
ROW #: STPN-210-1(4)-2J-25
Plan Date: March 25, 2022
Color Legend:
Property Lines
Temporary Easement



Parcel No.: n/a
Parcel ID: 0406183006
Title Holder: Olsen, Larry & Mary
Property Address: 120 N Main Street
Woodward, IA 50276
Temporary Easement: n/a

Parcel No.: n/a
Parcel ID: 0406179009
Title Holder: Frey, Cynthia S
Property Address: 202 N Main Street
Woodward, IA 50276
Temporary Easement: n/a

N. Main St. (IA 210)

N. 2nd St.

Approximate Existing
Right-of-Way

Approximate Existing
Right-of-Way

Approximate Existing
Right-of-Way

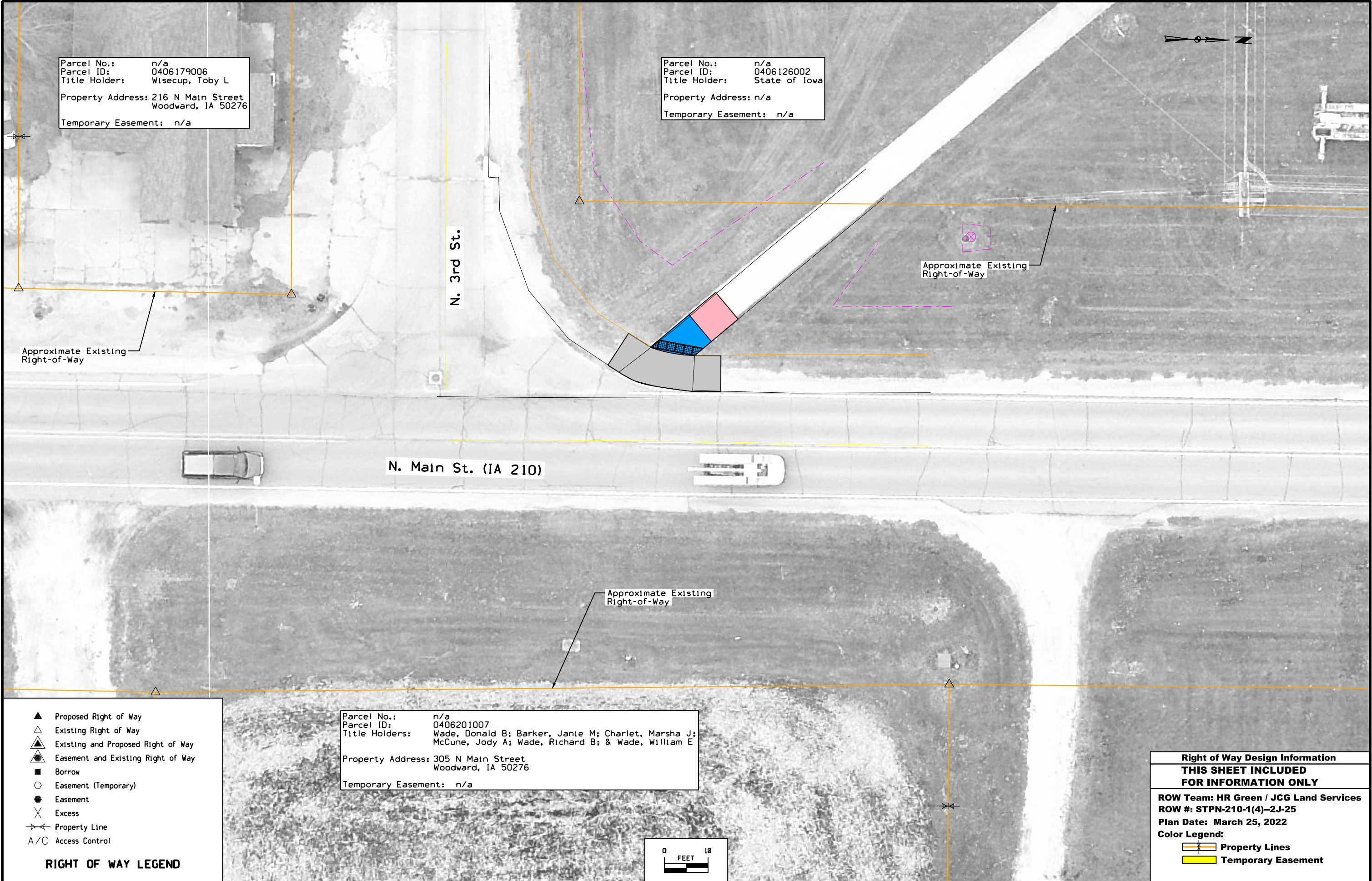
Parcel No.: n/a
Parcel ID: 0406251001
Title Holder: BSB Investments, LLC
Property Address: 111 N Main Street
Woodward, IA 50276
Temporary Easement: n/a

- ▲ Proposed Right of Way
- △ Existing Right of Way
- ▲△ Existing and Proposed Right of Way
- ▲△● Easement and Existing Right of Way
- Borrow
- Easement (Temporary)
- Easement
- × Excess
- Property Line
- A/C Access Control

RIGHT OF WAY LEGEND



Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY
ROW Team: HR Green / JCG Land Services
ROW #: STPN-210-1(4)-2J-25
Plan Date: March 25, 2022
Color Legend:
— Property Lines
— Temporary Easement



108-23A
08-01-08

TRAFFIC CONTROL PLAN

Traffic shall be maintained at all times via use of flaggers and pilot cars.

108-25
10-21-14

511 TRAVEL RESTRICTIONS

Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
			NONE EXPECTED									

111-01
04-17-12

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
BRF-210-2(18)--38-08	Bridge Deck Replacement

FILE NO.

ENGLISH

DESIGN TEAM Smyth\Adey\Ringgenberg

DALLAS COUNTY

PROJECT NUMBER STP-210-1(003)--2C-25

SHEET NUMBER J.1

9/21/2022

8:37:49 AM

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UTILITY LEGEND

(ASW) ALLIANT ENERGY
Contact Name : Alliant Energy Field Engineer
Contact Phone: 8002554268
Contact Email: locate_IPL@alliantenergy.com

(DALLIA1) MEDIACOM
Contact Name : KEVIN COLLINS
Contact Phone: 5152466668
Contact Email: KCOLLINS1@MEDIACOMCC.COM

(ICN) IOWA COMMUNICATIONS NETWORK
Contact Name : Shannon Marlow
Contact Phone: 8005723940
Contact Email: icnoutsideplantiowaonecall@iowa.gov

(NN8) NORTHERN NATURAL GAS COMPANY
Contact Name : Tyler Brase
Contact Phone: 5152180312
Contact Email: tyler.brase@nngco.com

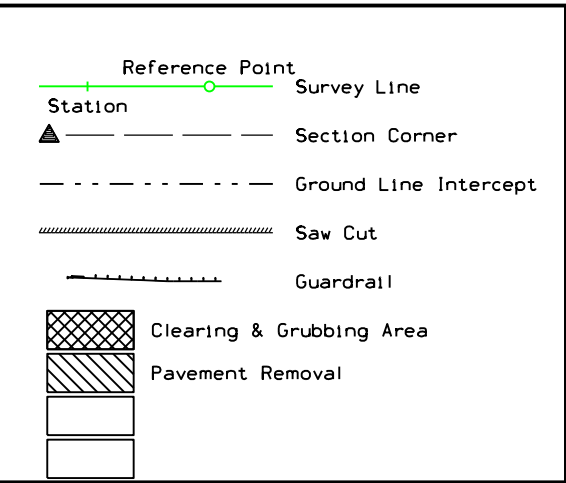
(PNL) BLACK HILLS ENERGY GRIMES
Contact Name : Chuck Woods
Contact Phone: 5153432037
Contact Email: chuck.woods@blackhillscorp.com

(SYT) MINBURN TELECOMMUNICATIONS, IN
Contact Name : KENDALL ABBEY
Contact Phone: 5154382200
Contact Email: KENDALLA@MINBURNCOMM.COM

(WWC) WOODWARD, CITY OF
Contact Name : Chris Newland
Contact Phone: 5159795809
Contact Email: wdpw@minburncomm.net

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design	Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING	Design	Color No.	
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading
Magenta	(5)		Detectable Warning
Yellow	(4)		Highlight for Critical Notes or Features
Red	(3)		Delineates Restricted Areas
Lavender	(9)		Temporary Pavement Shading
Gray, Light	(48)		Proposed Pavement Shading
Gray, Med	(80)		Proposed Granular Shading
Gray, Dark	(112)		Proposed Grade and Pave Shading
Brown, Light	(236)		Grading Shading



RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- A/C Access Control

SIDEWALK DESIGN

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.

Signature

DAVID J. BOVEE, P.E.

Printed or Typed Name

Date

09/12/2022

My license renewal date is December 31, 2022.

Pages or sheets covered by this seal: H.1-H.7, S.1-S.21.

SIDEWALK
LEGEND AND SYMBOL
INFORMATION SHEET

(COVERS SHEET SERIES S)

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Sidewalk Items :

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Sidewalk Items	
1	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	4.8	<p>A. Item for removal of excess material or placement of new material where sidewalk work requires a change in elevation adjacent to graded areas.</p> <p>B. Any damage to adjacent landscaping shall be replaced at Contractor's expense.</p> <p>C. Top 6 inches of material shall be topsoil suitable for the establishment of urban seeding.</p> <p>D. Estimated at 0.5 feet in depth.</p> <p>E. Contractor will be paid the plan quantity. Item will not be measured for payment.</p> <p>F. Contractor shall remove all waste material from the site.</p>
2	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	1.1	<p>A. Topsoil placement shall be a uniform 6 inches deep over disturbed areas.</p> <p>B. Item will not be measured for payment. Contractor will be paid the plan quantity regardless of actual quantity required.</p>
3	2122-5190006	PAVED SHOULDER, P.C. CONCRETE, 6 IN.	SY	23	<p>A. Item is for paving the shoulder adjacent to the sidewalk curb ramp in the NW quadrant of S Main Street (IA 210) and N 3rd Street.</p> <p>B. Refer to the S Sheets for locations and details.</p>
4	2213-7100400	RELOCATION OF MAIL BOXES	EACH	2	<p>A. Refer to Tab. MAILBOX in the S Sheets for locations and details.</p> <p>B. Item is for the removal and subsequent relocation of mailboxes in this project.</p> <p>C. Coordinate the mailbox relocation with the U.S. Postal Service.</p> <p>D. Method of Measurement: The Engineer will count each mailbox removed and reinstalled.</p> <p>E. Basis of Payment: For each mailbox removed and reinstalled, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all materials, equipment, and labor required to remove and reinstall the mailboxes.</p>
5	2510-6745850	REMOVAL OF PAVEMENT	SY	12.8	<p>A. Refer to Tab. 110-1 in the S Sheets for locations and details.</p> <p>B. See Traffic Control Plan and Staging Notes in the S Sheets for pedestrian staging or closings.</p>
6	2511-6745900	REMOVAL OF SIDEWALK	SY	270.4	<p>A. Refer to Tab. 110-5 in the S Sheets for locations and details.</p> <p>B. See Traffic Control Plan and Staging Notes in the S Sheets for pedestrian staging or closings.</p>

NOTE: Refer to Sheet C.1 for Estimated Roadway Quantities and Estimate Reference Notes

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Sidewalk Items	
7	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	11.8	<p>A. Refer to Tab. 113-1 and Standard Notes 290-01 and 290-02 in the S Sheets for locations and details.</p> <p>B. Removal limits may be lengthened to reach an existing sidewalk joint. Saw cuts may be required.</p> <p>C. See Traffic Control Plan and Staging Notes in the S Sheets for pedestrian staging or closings.</p>
8	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	283.2	
9	2511-7528101	DETECTABLE WARNINGS	SF	257	
10	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	3	<p>A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.</p> <p>B. Item included removal and reinstallation of the existing sings along Iowa 210.</p> <p>C. Contractor shall re-use existing signs. Contractor to provide new PSST anchor and all necessary hardware for installation per manufacturers recommendations.</p> <p>D. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials, if required, shall be new.</p> <p>E. Method of Measurement: The Engineer will count each sign removed and reinstalled.</p> <p>F. Basis of Payment: For each sign removed and reinstalled, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all materials, equipment, and labor required to remove and reinstall the signs.</p>
11	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	1	<p>A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.</p> <p>B. Anchor tube shall be 2 1/2 in. x 2 1/2 in. x 42 in. steel tubing made from 7 gauge material.</p>
12	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	2	<p>A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.</p> <p>B. Anchor tube shall be 2 1/2 in. x 2 1/2 in. x 48 in. steel tubing made from 7 gauge material.</p>
13	2526-8285000	CONSTRUCTION SURVEY	LS	1	<p>A. Staking in the S Sheets is incidental to Construction Survey.</p> <p>B. This staking will be defined as verifying slopes of the form work by using a level, or other means, at the quadrants identified in the S Sheets. This serves as an additional check to verify slopes are within tolerances prior to placing concrete.</p> <p>C. Survey information provided in project plans is for reference only and should not be used for purposes related to construction survey. Project plans and associated electronic files are not geo-referenced to a standard coordinate system and should not be used to establish construction survey baselines.</p>
14	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	186.2	<p>A. Refer to Tab. 102-6C in the S Sheets for locations and details.</p> <p>B. Includes integral 6 in. Standard Curb and Drop Curb at Sidewalk curb ramp locations (to be considered incidental).</p>
15	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	16	

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Sidewalk Items	
16	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	0.06	A. Bonded Fiber Matrix shall be applied as mulch for all areas designated as "Seeding and Fertilizing (Urban)" or "Stabilizing Crop - Seeding and Fertilizing (Urban)". B. Apply seed and fertilizer for the area to be covered before applying Bonded Fiber Matrix Mulch. C. Apply Bonded Fiber Matrix Mulch at a rate of a minimum of 3000 pounds per acre.
17	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0.03	A. For all disturbed areas or as directed by the Engineer. B. Seed and fertilizer for the area to be covered shall be applied before Bonded Fiber Matrix Hydraulic Mulch application. C. Prepare seedbed, fertilize, and seed according to Article 2601.03, C, 4 of the Standard Specifications. D. Use ground driven equipment.
18	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	0.03	A. For temporary erosion control of all disturbed areas or as designated by the Engineer. B. Bonded Fiber Matrix (BFM) shall be applied as the mulch for all disturbed areas. C. Seed and fertilizer for the area to be covered shall be applied before the Bonded Fiber Matrix Hydraulic Mulch application. D. Seed and fertilize all urban disturbed areas according to Article 2601.03, C, 2, of the Standard Specifications.
19	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	250	A. Refer to Tab. 100-19 in the S Sheets for locations. B. 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. C. Verify the specific locations with the Engineer prior to beginning placement. D. Use Perimeter and Slope Sediment Control Devices fabricated using wood excelsior.
20	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	250	A. Refer to Tab. 100-19 in the S Sheets for locations.







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FILE NO.	ENGLISH	DESIGN TEAM	Iowa DOT \ HR Green, Inc.	DALLAS COUNTY	PROJECT NUMBER	STP-210-1(3)--2C-25	SHEET NUMBER	S.5
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				110-5 10-20-15
SIDEWALK REMOVAL				
* Not a bid item				
Begin Station	End Station	Area	Saw Cut*	Remarks
		SY	LF	
S Main Street (IA 210) and 6th Street				
NW Quadrant		7.3	4.0	
NE Quadrant		7.4	4.0	
S Main Street (IA 210) and 5th Street				
NW Quadrant		8.6	4.0	
NE Quadrant		10.3	4.0	
S Main Street (IA 210) and 4th Street				
NW Quadrant		8.5	4.0	
NE Quadrant		9.3	4.0	
S Main Street (IA 210) and 3rd Street				
NW Quadrant		7.7	17.4	
NW Quadrant		6.3	5.0	
NW Quadrant		6.3		
NW Quadrant		1.8	8.1	
SW Quadrant		4.9		
SW Quadrant		2.3	9.3	
SW Quadrant		9.0		
SE Quadrant		8.8		
SE Quadrant		1.7	3.9	
SE Quadrant		5.5		
NE Quadrant		6.0	3.0	
NE Quadrant		7.8	5.0	
S Main Street (IA 210) and 2nd Street				
NW Quadrant		10.1	18.4	
NW Quadrant		11.1	6.0	
NW Quadrant		8.8	2.0	
SW Quadrant		6.6	4.6	
SW Quadrant		1.0	1.0	
SW Quadrant		12.8	6.0	
SW Quadrant		10.1	0.7	
SE Quadrant		11.1		
SE Quadrant		3.5	11.5	
SE Quadrant		12.6		
SE Quadrant		10.4	9.6	
NE Quadrant		9.5		
NE Quadrant		12.2		
NE Quadrant		10.4	15.5	
S Main Street (IA 210) and N 2nd Street				
SW Quadrant		6.5	10.0	
S Main Street (IA 210) and N 3rd Street				
NW Quadrant		14.1	7.7	
	TOTAL:	270.4		

110-1
04-16-13

REMOVAL OF PAVEMENT						
Refer to Tabulation 102-5						
* Not a Bid Item						
Begin Station	End Station	Side	Pavement Type	Area	Saw Cut*	Remarks
				SY	LF	
N Main Street (IA 210) and N 3rd Street						
NW Quadrant			PCC	12.8	17.5	Existing Paved Shoulder
			TOTAL:	12.8		

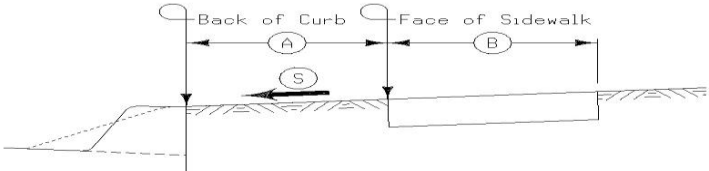
190-62 10-15-13										
EXISTING SIGNS TO BE REMOVED										
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	DIRECTION OF TRAVEL	TYPE 'A' SIGN ASSEMBLY	TYPE 'B' SIGN ASSEMBLY	REMOVE & REINSTALL EXISTING SIGNS		CONCRETE FOUNDATION	SUPPORT STRUCTURE & FOUNDATION	APPLICABLE SIGNING NOTES	REMARKS
					TYPE 'A'	TYPE 'B'				
										
			EACH	EACH	EACH	EACH				
S Main Street (IA 210) and 3rd Street										
Stop Sign and										
Street ID Assembly	NE Quadrant	WB			1				RR, PP	See Notes 1 & 2
S Main Street (IA 210) and 2nd Street										
Stop Sign and										
Street ID Assembly	SW Quadrant	EB			1				RR, PP	See Notes 2 & 3
Stop Sign and										
Street ID Assembly	NE Quadrant	WB			1				RR, PP	See Notes 2 & 3
TOTAL: 3										
NOTES:										
1. Remove and Relocate existing street signs to proposed location.										
2. Intall existing sign post assembly in new Perforated Square Steel Tube Post Anchor.										
3. Place temporary Stop Sign until permanent sign assembly is installed at permanent location (incidental to Traffic Control bid item).										

MAILBOX MODIFIED	
RELOCATION OF MAIL BOXES	
LOCATION	QUANTITY EACH
S Main Street (IA 210) and 5th Street NW Quadrant	1.0
S Main Street (IA 210) and N 2nd Street NW Quadrant	1.0
TOTAL:	2.0

259-1 MODIFIED
SIGNING NOTES
Type A signs are not separated into categories, but special consideration should be given to regulatory signs.
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.
The following notes apply to the corresponding sign installations shown on the plan sheets and listed in the tabulations.
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.

SIDEWALKS

See MI-220 and S Sheets



Intersection/Road	Quadrant/Side	Length	<div>A</div>	<div>B</div>	<div>S</div>	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
			FT	FT	%	SY	SY	SY	SY	SF	
S Main Street (IA 210) and 6th Street											
	NW Quadrant	15.8		5.00			9.2			10	Ramp
	NE Quadrant	16.2		5.00			9.4			10	Ramp
S Main Street (IA 210) and 5th Street											
	NW Quadrant	19.3		5.00			11.6			10	Ramp
	NE Quadrant	22.8		5.00			13.3			10	Ramp
S Main Street (IA 210) and 4th Street											
	NW Quadrant	18.8		5.00			11.1			10	Ramp
	NE Quadrant	20.4		5.00			11.7			10	Ramp
S Main Street (IA 210) and 3rd Street											
	NW Quadrant	Varies					7.6				
	NW Quadrant	5		5.00			2.8				Landing
	NW Quadrant	2.3		5.00			1.3			10	Ramp
	NW Quadrant	Varies					6.4				
	NW Quadrant	4.4		5.00			3.3			10	Ramp
	NW Quadrant	Varies					0.7				
	SW Quadrant	10.4		5.00			6.4			10	Ramp
	SW Quadrant	5		5.00		2.8					Landing
	SW Quadrant	17.5		5.00			10.7			10	Ramp
	SE Quadrant	18.4		5.00			11.3			10	Ramp
	SE Quadrant	5		5.00		2.8					Landing
	SE Quadrant	10.6		5.00			6.4			10	Ramp
	NE Quadrant	2.7		5.00			1.9			10	Ramp
	NE Quadrant	Varies					0.6				
	NE Quadrant	5		5.00			2.8				Landing
	NE Quadrant	3.9		5.00			2.9			10	Ramp
	NE Quadrant	Varies					5.5				
S Main Street (IA 210) and 2nd Street											
	NW Quadrant	Varies					6.4				
	NW Quadrant	5.8		6.00			4.1			12	Ramp
	NW Quadrant	5		6.00			4.0				Landing
	NW Quadrant	Varies					8.4				
	NW Quadrant	Varies					2.7				
	NW Quadrant	6.1		6.00			4.4			12	Ramp
	SW Quadrant	Varies					7.1				
	SW Quadrant	5.5		6.00			3.9			12	Ramp
	SW Quadrant	Varies					5.7				Landing
	SW Quadrant	Varies					5.4				
	SW Quadrant	Varies					4.1				
	SW Quadrant	5.5		6.00			4.3			12	Ramp
	SE Quadrant	Varies					11.9				
	SE Quadrant	6		6.00			4.5			12	Ramp
	SE Quadrant	5		6.00			4.0				Landing
	SE Quadrant	Varies					8.1				
	SE Quadrant	Varies					4.0				
	SE Quadrant	7.2		6.00			5.1			12	Ramp
	NE Quadrant	Varies					10.4				
	NE Quadrant	6.1		6.00			4.4			12	Ramp
	NE Quadrant	5		6.00			4.0				Landing
	NE Quadrant	Varies					7.6				
	NE Quadrant	Varies					2.7				
	NE Quadrant	6		6.00			4.3			12	Ramp

113-1
04-16-19

SIDEWALK CONSTRAINTS

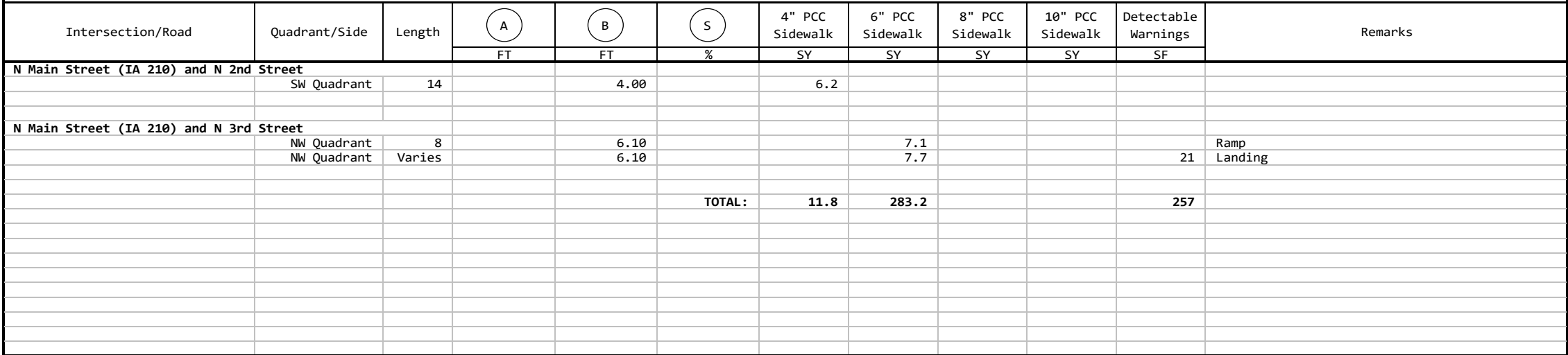
290-01
04-15-14

- Widths:
Widths listed in the S sheets are minimums.
- Cross Slopes:
Construct all sidewalks, curb ramps, and landings/turning spaces at a target cross slope of 1.5%. Cross slopes exceeding 2.0% will not be allowed, except for areas tying into existing pavement. In these areas, transition from existing pavement cross slope to a cross slope of less than 2.0% within one panel at a rate not to exceed 1.0% per foot.
- Longitudinal Slopes:
 - Sidewalk:
 - Roadway slope exceeds 5.0%: Sidewalk longitudinal slope exceeding the roadway slope by more than 2.0% will not be allowed.
 - Roadway slope 5.0% or less: Sidewalk longitudinal slope exceeding 5.0% will not be allowed.
 - Ramps:
 - Ramps 15.0' in length or less: Longitudinal slope exceeding 8.3% will not be allowed.
 - Ramps greater than 15.0' in length: Construct with the longitudinal slope necessary to conform to the design.
- Landing/Turning Spaces:
Longitudinal slopes exceeding 2.0% will not be allowed.

290-02
04-21-15

SMALL QUANTITY CONCRETE TESTING

- Test air and slump once per 30 cy placed, or minimum of once per day.
- Verification gradations will not be required for this project. However, the Contractor will be expected to provide certified plant inspection.
- The Contractor has the option of using the following minimum opening times in lieu of flexural testing:
 - 48 hours for pedestrian traffic
 - 72 hours for curb and gutter or patching

[illegible]

108-23A
08-01-08

TRAFFIC CONTROL PLAN

1. During construction, maintain traffic on IA 210 and sideroads at all times. For construction of sidewalk, curb ramps, and curb and gutter, utilize Standard Road Plans TC-211 or TC-213 for lane closures with flaggers.

2. The Contractor is required to furnish and plan any and all traffic control required to close the sidewalks per Standard Specifications Section 2518 and 2528 and Standard Road Plan TC-601. Payment for sidewalk closure barricades shall be incidental to Traffic Control.

3. Contractor to maintain all current traffic control conditions with temporary signage, as required, until permanent signage has been reinstalled.

113-2
04-16-13

PEDESTRIAN PATH CLOSURES

Refer to TC-601.

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

Location	Side	Type III Barricades*	Remarks
		No.	
S Main Street (IA 210) and 6th Street			
NW Quadrant	Lt	4	See Note 1
NE Quadrant	Rt	4	See Note 1
S Main Street (IA 210) and 5th Street			
NW Quadrant	Lt	4	See Note 1
NE Quadrant	Rt	4	See Note 1
S Main Street (IA 210) and 4th Street			
NW Quadrant	Lt	4	See Note 1
NE Quadrant	Rt	4	See Note 1
S Main Street (IA 210) and 3th Street			
NW Quadrant	Lt	4	See Note 1
SW Quadrant	Lt	4	See Note 1
SE Quadrant	Rt	4	See Note 1
NE Quadrant	Rt	4	See Note 1
S Main Street (IA 210) and N 2nd Street			
SW Quadrant	Lt	2	See Note 1. Two closures required
S Main Street (IA 210) and N 3rd Street			
NW Quadrant	Lt	2	See Note 1. Two closures required
NOTES:			
1. Refer to TC-601, Closure at Intersection. Requires four (4) Pedestrian Path Closures per quadrant, except where noted.			

108-26A
08-01-08

STAGING NOTES

1. The Contractor shall only be permitted to have 4 continuous blocks under construction at a time. These may include:

- One block of sidewalk being excavated and removed, PCC shall be replaced withing 10 working days of removal.

- One block of sidewalk being prepared for pouring, preparing of subgrade, and forming.

- One block of sidewalk being poured.

- One block of sidewalk being finished, including soil preparation and seeding.

2. The Contractor shall maintain access to all businesses during construction at all times unless subsequent agreements have been reached between the Contractor and the business owner. The Contractor must notify all businesses at least three (3) business days prior to construction in front of business.

3. Special requirements for the Contractor have been requested for the following Parcels:

- None at this time.

4. In project areas with propsoed ADA pedestrian ramp work, the Contractor is strongly advised to first complete any other work (especially HMA resurfacing) which may negatively impact the proposed final elevations and tolerances for pedestrian ramps, sidewalks, and associated street crossing paths.

FILE NO.

ENGLISH

DESIGN TEAM

Iowa DOT \ HR Green, Inc.

DALLAS COUNTY

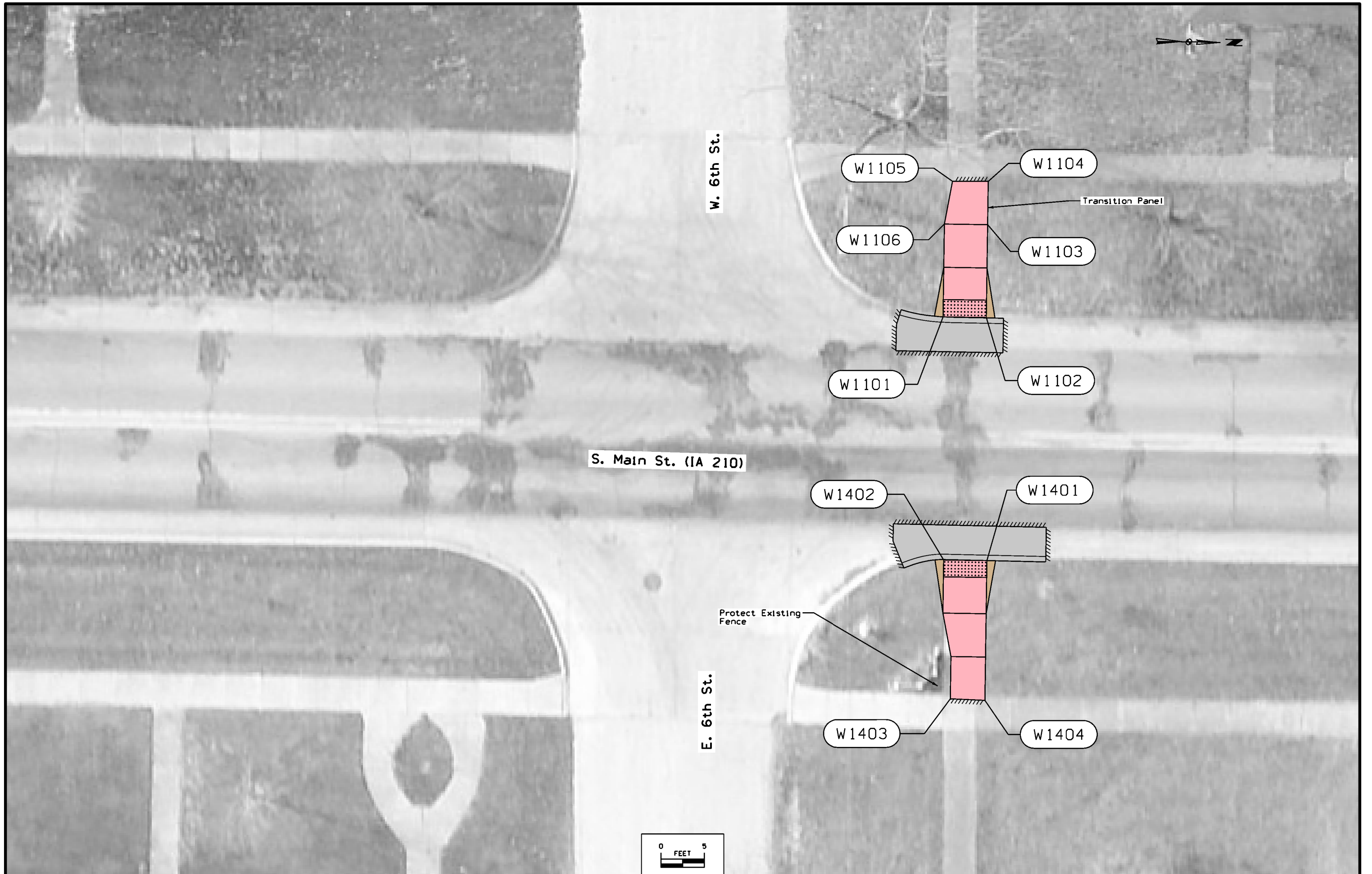
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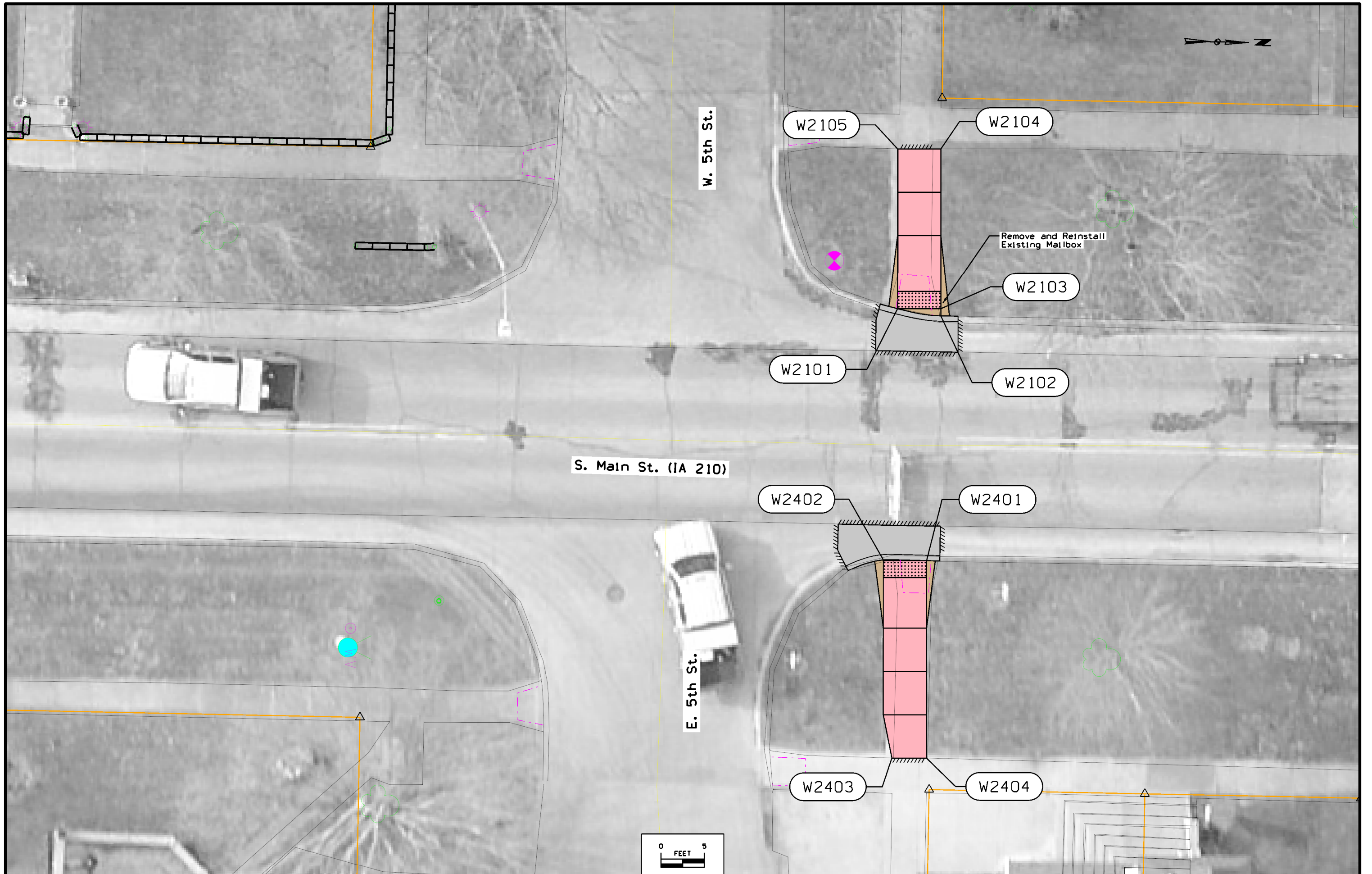
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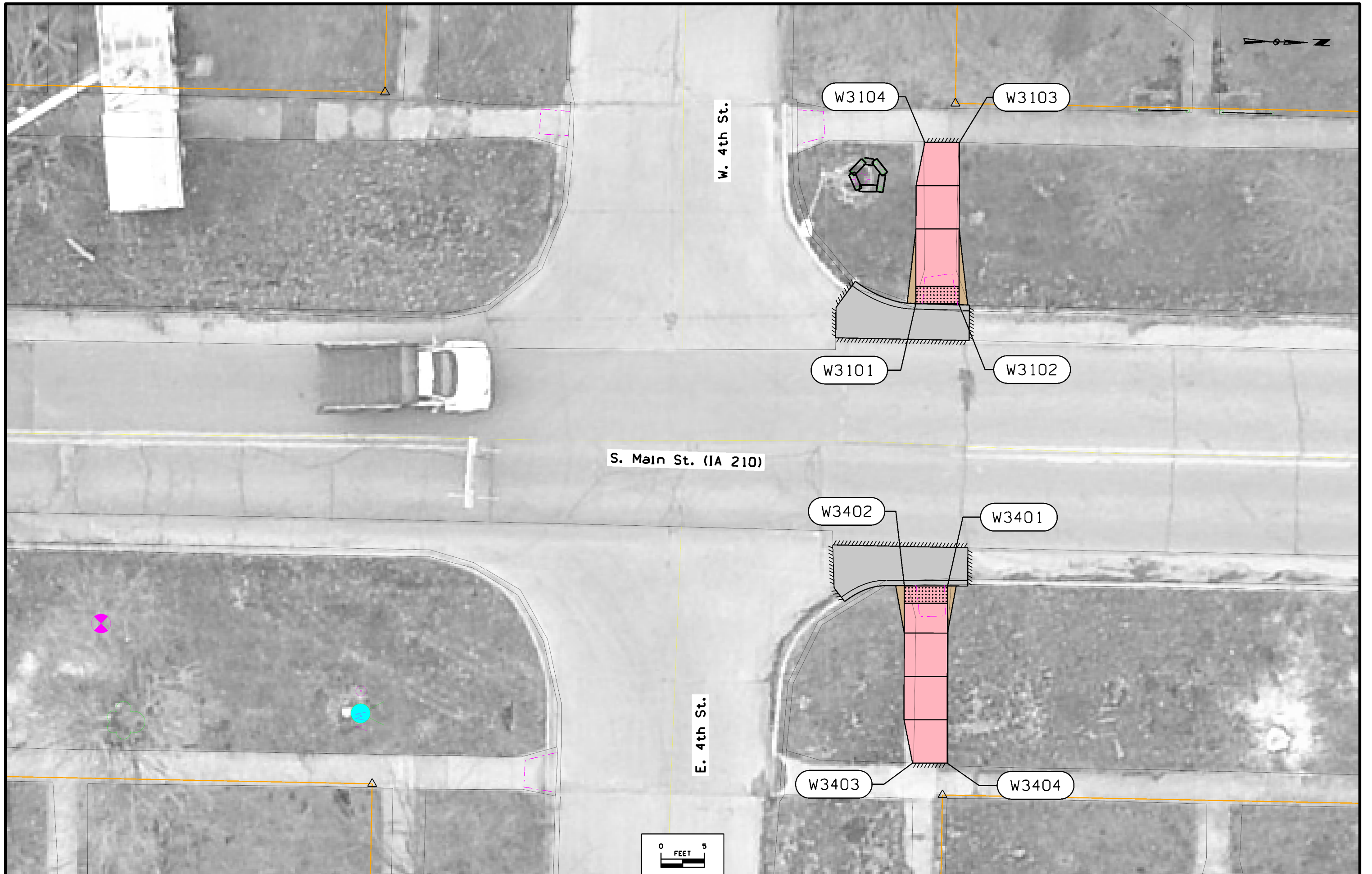
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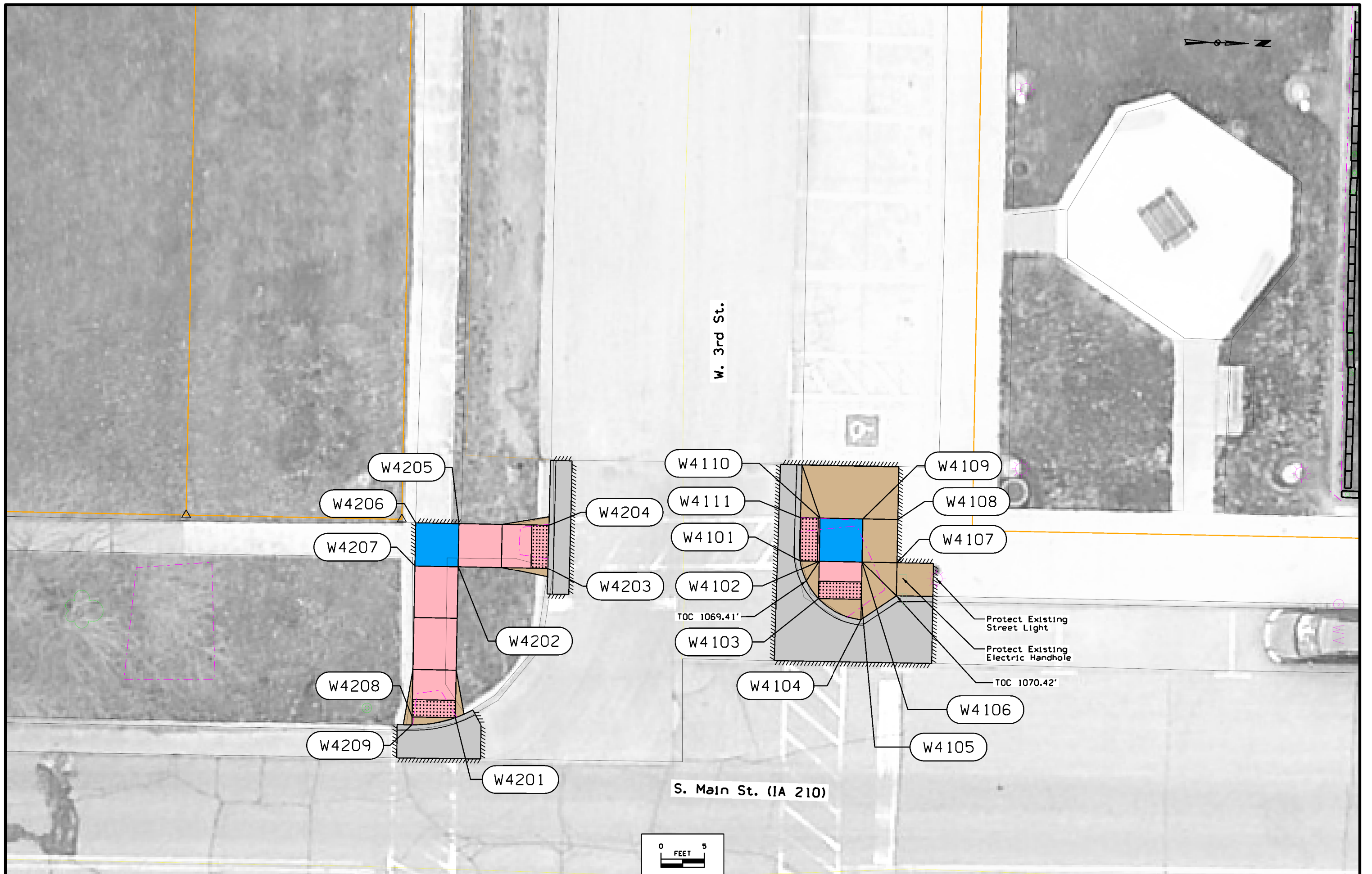
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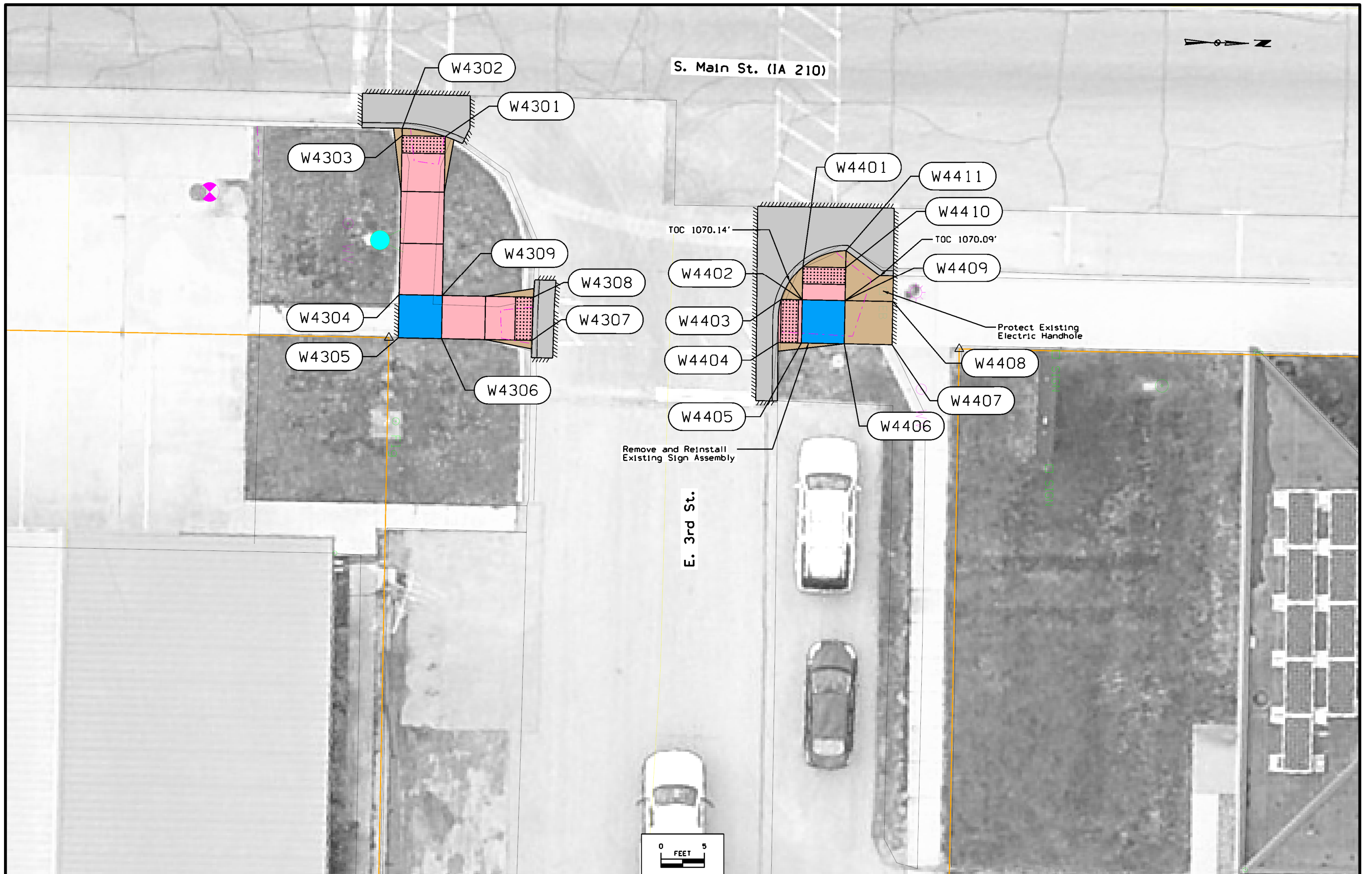
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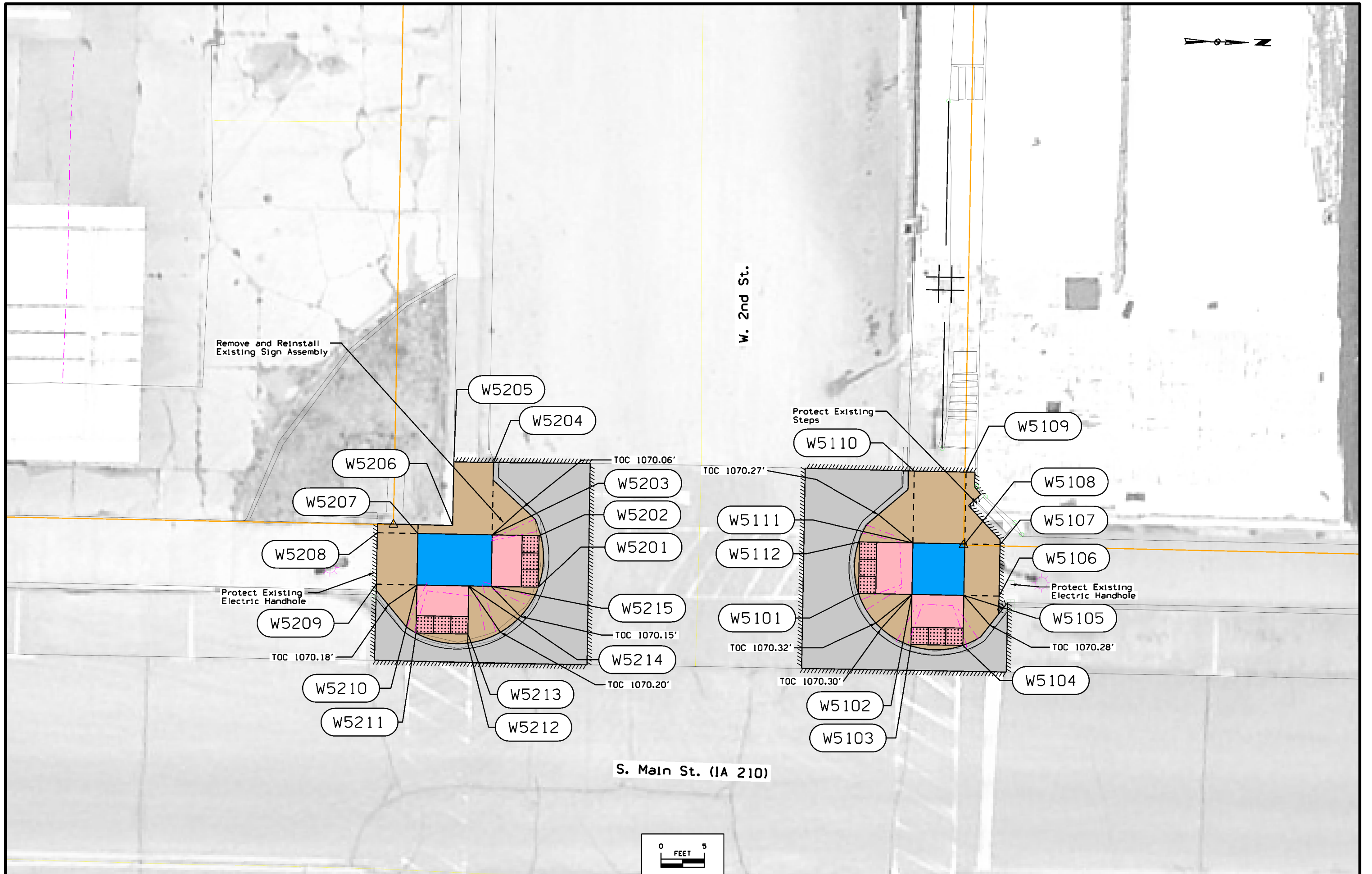


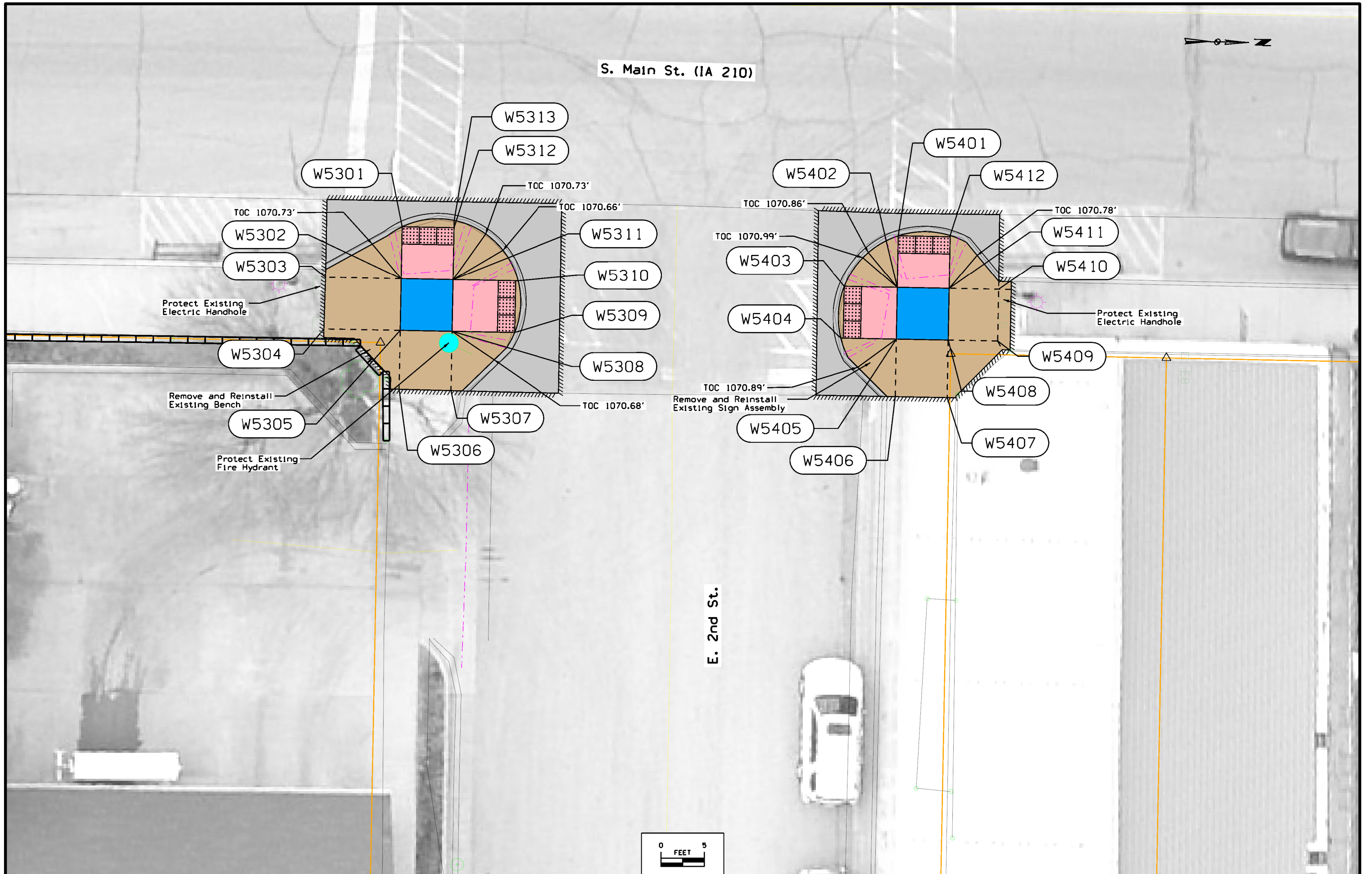
















* Does not include curb

① Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

② Refer to tabulation 113-01 for bid quantities.

FILE NO.	ENGLISH	DESIGN TEAM	Iowa DOT \ HR Green, Inc.	DALLAS COUNTY	PROJECT NUMBER	STP-210-1(3) -- 2C-25	SHEET NUMBER	S.19
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② Refer to tabulation 113-01 for bid quantities.

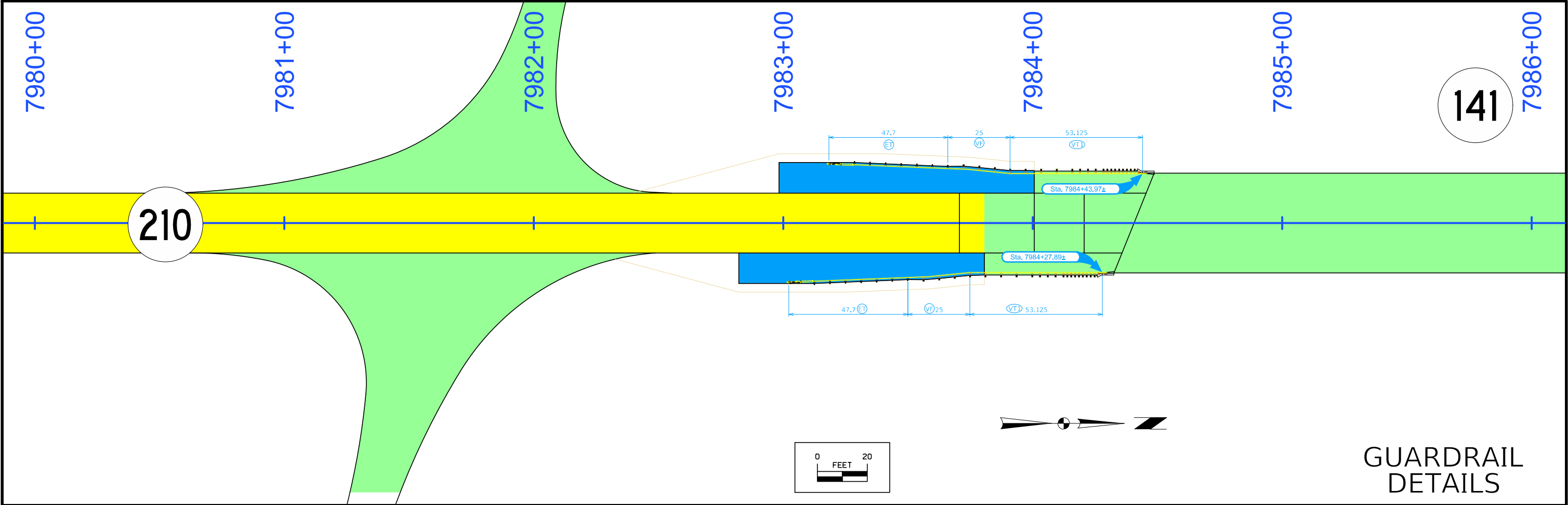
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* Does not include curb

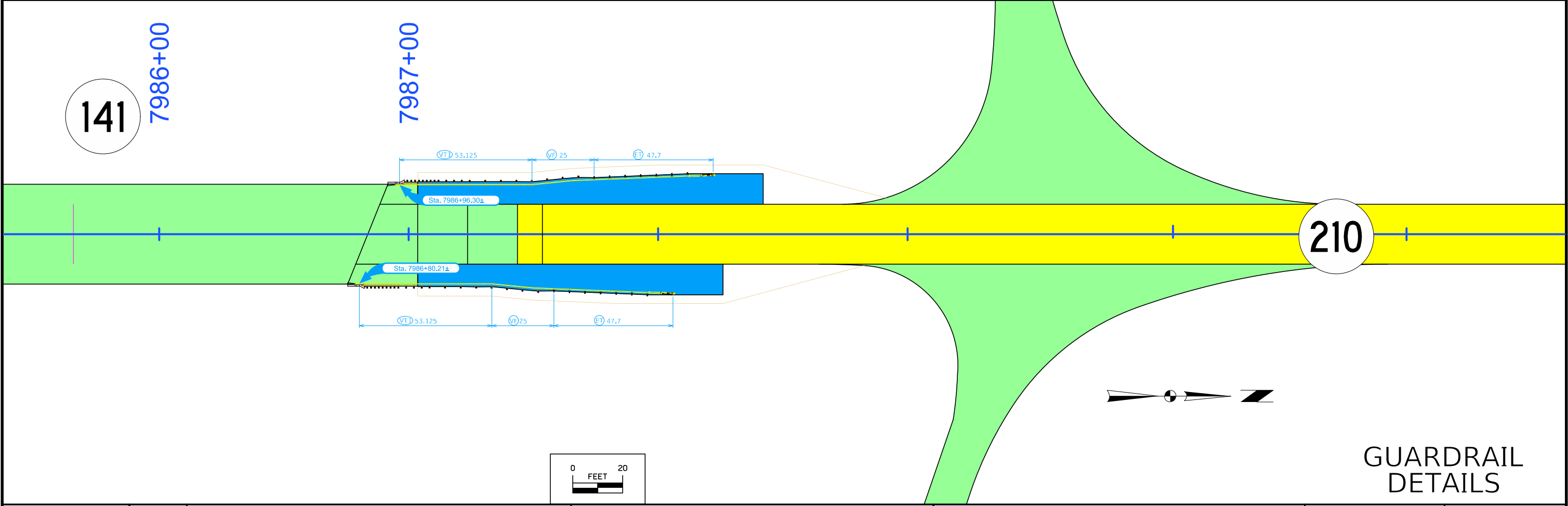
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FILE NO.	ENGLISH	DESIGN TEAM	Iowa DOT \ HR Green, Inc.	DALLAS COUNTY	PROJECT NUMBER	STP-210-1(3)--2C-25	SHEET NUMBER	S.21
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GUARDRAIL
DETAILS



GUARDRAIL
DETAILS