3:55:14 PM

	INDEX OF SHEETS
No.	DESCRIPTION
Sheets	Title Sheets
* A.1	Title Sheet
Sheets	Typical Cross Sections and Details
B.1 - 3	Typical Cross Sections and Details
Sheets	Ouantities 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
Sheets	Mainline Plan Sheets
* D.1 - 8	IA 210 Plan Sheets
Sheets	Right-of-Way Sheets
H.1 - 7	IA 210 Sidewalk Design ROW Sheets
Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
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
	Sidewalk Plan
	Sidewalk Compliance Tab
Sheets	500 Series, Mod.Stds. and Detail Sheets
	Guardrail Details at IA 141 Bridge
	Sheets * A.1 Sheets B.1 - 3 Sheets C.1 - 2 C.3 C.3 C.3 C.4 - 8 Sheets * D.1 - 8 Sheets H.1 - 7 Sheets J.1 Sheets * S .1 S .2 - 4 S .5 - 8

\* Color Plan Sheets



PLANS OF PROPOSED IMPROVEMENT ON THE

# PRIMARY ROAD SYSTEM

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.



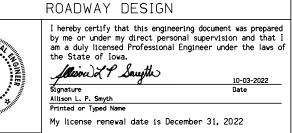
REVISIONS

Ref. Loc. 0.95 End Project R-26W I-81N WOODWARD-/ D 0 3 N Ref. Loc. 0.00 Begin Project



DESI	GN [	ATA	RURAL
2023 2043 20			.300 V.P.D. .100 V.P.D. V.P.H.
TRUCK Total Design	S ESALs		4 %

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



PROJECT IDENTIFICATION NUMBER 21-25-210-010 PROJECT NUMBER STP-210-1(003)—2C-25 R.O.W. PROJECT NUMBER

L. P.

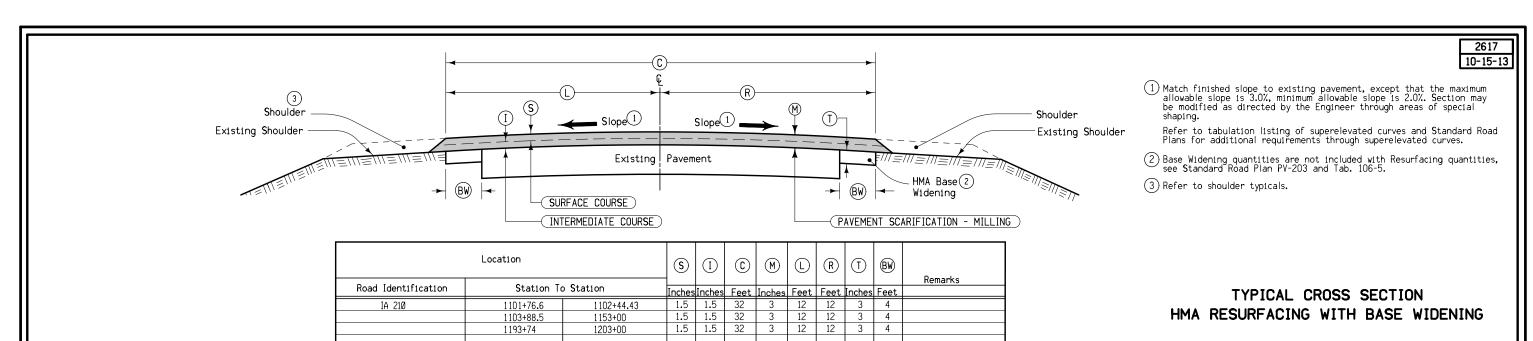
Smyth

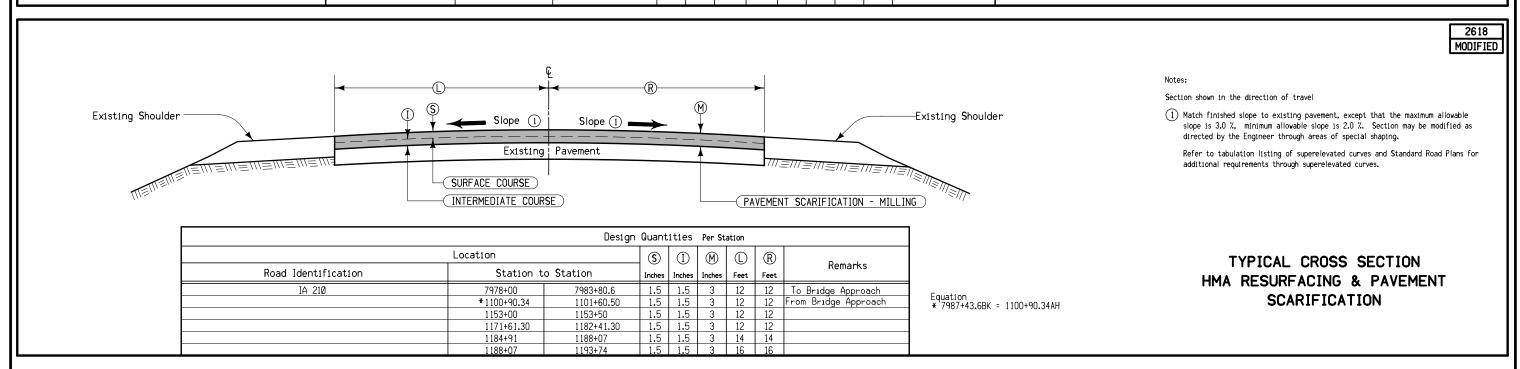
22584

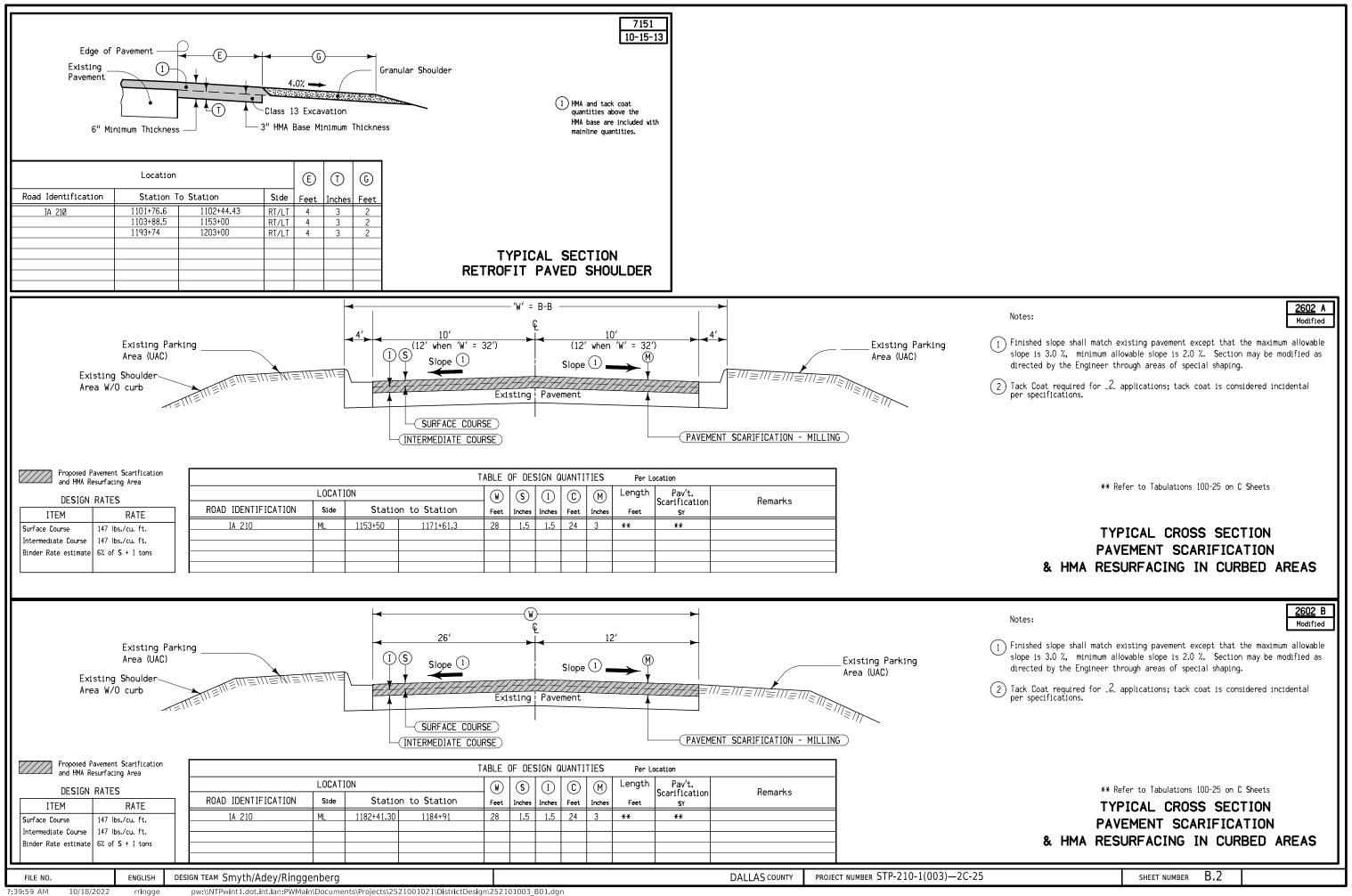
**ENGLISH** DESIGN TEAM Smyth/Adey/Ringgenberg DALLAS COUNTY

PROJECT NUMBER STP-210-1(003)—2C-25

SHEET NUMBER A.1









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.

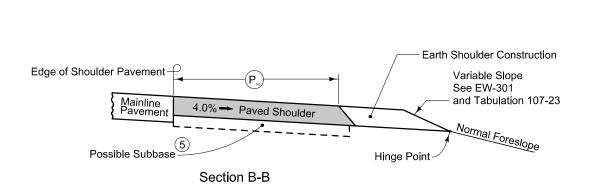
Refer to Tabulation 112-9 for shoulder quantities.

Edge of Granular

Shoulder

Earth Shoulder Construction

- 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.



Section B-B

4.0% - Paved Shoulder

(5)

Subbase

Direction of Traffic

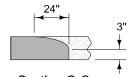
Edge of Pavement

Mainline Pavement

**PLAN VIEW** 

**NEW CONSTRUCTION** 

**EXISTING SHOULDER** 



Section C-C
Roll down at granular shoulder or earth.

PAVED SHOULDER AT GUARDRAIL (GRANULAR SHOULDER ADJACENT TO MAINLINE)

Form Board 1

Edge of Mainline Pavement

4.0% — Paved Shoulder

4.0% - Paved Shoulder

Section A-A

Section A-A

(1)

- Subbase 5

- Possible Subbase 5

Final Guardrail

Edge of Pavement +

Edge of Shoulder Pavement —

Mainline Pavement

Mainline Pavement

#### Roadway Items: Roadway Items

T+om				Quantities	
Item no.	Item Code	Item	Unit	Estimated	Estimate Reference Notes
				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 Typicals 2617 and 2618 on Sheet B.1
9		HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	2,794.4	Refer to Tab. 100-25 on C sheets and Typicals 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)		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)		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)	-	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	

Design Team :Allison Smyth County Name :Dallas Project Number:STP-210-1(003)--2C-25 10/18/2022 10:34 AM SHEET C.1

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Reference Notes
20	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	4	
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	Refer to Tab. 112-4 on C. Sheets.
23	2520-3350015	FIELD OFFICE	EACH	1	
24		PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	1,071.74	Refer to Tab. 108-22 on C sheets.
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		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

Design Team :Allison Smyth County Name :Dallas Project Number:STP-210-1(003)--2C-25 10/18/2022 10:34 AM SHEET C.2

## 100-1D 10-18-05

#### **PROJECT DESCRIPTION**

Project involves pavement scarification, HMA resurfacing, HMA base widening, Guardrail updates, paved shoulder at guardrails, patching and pavement markings.

		105 10-18-1
	STANDARD ROAD PLANS	
	The following Standard Road Plans apply to construction work on this project.	
Number	Date Title	
BA-200	04-20-21 Steel Beam Guardrail Components	
BA-201	04-19-22 Steel Beam Guardrail Barrier Transition Section (MASH TL-3)	
BA-202	10-20-15 Steel Beam Guardrail Bolted End Anchor	
BA-205	10-19-21 Steel Beam Guardrail Tangent End Terminal (MASH TL-3)	
BA-250	04-20-21 Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post (MASH TL-3)	
PM-110	04-21-20 Line Types	
PM-111	04-21-20 Symbols and Legends	
PM-120	10-21-14 Stop Lines and Islands	
PR-202	10-21-14 Notches for Resurfacing (with or without Runout)	
PV-12	10-20-20 Milled Shoulder Rumble Strips	
PV-13	10-17-17 Milled Centerline Rumble Strips	
PV-102	04-21-20 PCC Curb Details	
PV-201	04-19-22 Manhole Boxouts in HMA Pavement and HMA Overlays	
PV-202	04-21-20 Hot Mix Asphalt Resurfacing	
PV-203	04-21-20 HMA Base Widening	
TC-1	10-15-19 Work Not Affecting Traffic (Two-Lane or Multi-Lane)	
TC-202	10-19-21 Work Within 15 ft of Traveled Way	
TC-213	10-15-19 Lane Closure with Flaggers	
TC-214	04-21-20 Lane Closure with Flaggers for use with Pilot Car	
. [		
<b> </b>		

#### **INDEX OF TABULATIONS** Tabulation Tabulation Title Sheet No. C Sheets 100-1D PROJECT DESCRIPTION 100-25 102-5 HMA PAVEMENT EXISTING PAVEMENT C.3 FULL-DEPTH PATCHES STANDARD ROAD PLANS AREAS FOR PAVEMENT OR BASE WIDENING STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION PAVEMENT MARKING LINE TYPES CLUBB DEMOVAL 102-6C 105-4 106-5 108-8A 108-22 C.8 C.3 C.6 C.5 110-4 CURB REMOVAL REMOVAL OF STEEL BEAM GUARDRAIL 110-7A C.3 C.8 C.5 C.6 111-25 INDEX OF TABULATIONS 112-4 CURBS AND RAISED ISLANDS 112-9 SHOULDERS 112-10 MILLED RUMBLE STRIPS

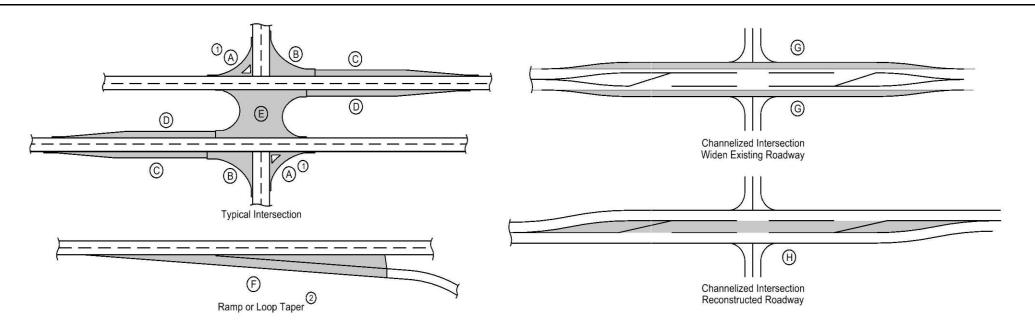
102-5 04-18-17

111-25 10-18-11

#### **EXISTING PAVEMENT**

			Location	1					Sur	face	Base	Sub	base	Rem	oval	Coarse Aggre	egate		Reinforcement	
No.	County	Route		Begin Ref. Loc. Sign	End Ref. Loc. Sign	Year	Туре	Project Number	Туре	Depth Ty	ype Depth	Туре	Depth IN	Туре	Depth IN	Source	Туре	Durability Class	Туре	Remarks
	25	IA-210	1	000.00	000.32	1997		NHSN-141-6(43)2R-25	AAC	3 BAC	7	SBF	6		AMES M	INE	C.LST.			
	25	IA-210	1	000.32	001.00	2002		STPN-210-1(2)2J-25	AAC	1.5 AAC	1.5				FERGUS	ON	C.LST.			
	25	IA-210	1	000.32	001.00	1971		FN-89-1(4)21-25	AAC	3					NORTH	RIVER	C.LST.			
	25	IA-210	1	000.32	001.00	1941		FA-843A(1)	PC7	7					MOINGO	NA	GRAVEL	2		
	25	IA-210	1	001.00	001.61	2002		STPN-210-1(2)2J-25	AAC	1.5 AAC	1.5				FERGUS	ON	C.LST.			
	25	IA-210	1	001.00	001.61	1971		NA	BAC	3										
	25	IA-210	1	001.00	001.61	1940		NA	PCC	8										

#### HMA 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.
- Quantity includes Pavement Header.

	Loca	ation			Mainline					۸۰	rea ③									Bi	id Items								
	LUCA	3 (1011			rialititie	-				Al	ea (5)					Ho	t Mix Asph	alt Pavemer	nt			Binder		_			_		
Road Identification	Direction of Travel	Station to	o Station	Width	Length	Area	(1) (A)	В	С	D	E	(2) (F)	G	H	Sun	face	Intern	Intermediate		Intermediate		ise	Surface	Intermediate	Base	Special Backfill			Pavement Scarification
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	TONS	SY	TONS	SY	TONS	SY	TONS	TONS	TONS	TONS	CY	SY	SY		
IA 210	WB/EB	7978+00.00	7983+80.60	24.0	580.6	1548.3									128.0	1548.3	128.0	1548.3			7.7	7.7					1548.3		
	WB/EB	1100+90.34	1101+60.50	24.0	70.2	187.1									15.5	187.1	15.5	187.1			0.9	0.9					187.1		
	WB/EB	1101+60.50	1101+76.60	28.0	16.1	50.1									4.1	50.1	4.1	50.1			0.2	0.2					50.1		
	WB/EB	1101+76.60	1153+00.00	32.0	5123.4	18216.5									1512.3	18289.4	1524.4	18435.1			90.7	91.5					18216.5		
	WB/EB	1153+00.00	1153+50.00	24.0	50.0	133.3									11.0	133.3	11.0	133.3			0.7	0.7					133.3		
	WB/EB	1153+50.00	1171+61.30	20.0	1811.3	4025.1									332.8	4025.1	332.8	4025.1			20.0	20.0					4025.1		
	WB/EB	1171+61.30	1182+41.30	24.0	1080.0	2880.0									238.1	2880.0	238.1	2880.0			14.3	14.3					2880.0		
	WB/EB	1182+41.30	1184+91.00	38.0	249.7	1054.3									87.5		88.2	1066.9			5.3	5.3					1054.3		
	WB/EB	1184+91.00	1188+07.00	28.0	316.0	983.1									81.3	983.1	81.3	983.1			4.9	4.9					983.1		
	WB/EB	1188+07.00	1193+74.00	32.0	567.0	2016.0									166.7	2016.0	166.7	2016.0			10.0	10.0					2016.0		
	WB/EB	1193+74.00	1203+00.00	24.0	926.0	2469.3									204.2	2469.3	204.2	2469.3			12.3	12.3					2469.3		
															2781 6	33640.2	2794 4	33794.4			334	. 6					33563.2		
															2,01.0	JJ070.2	2/34.4	33734.4			354						33303.2		

#### **SHOULDERS**

Lane(s) to which the shoulder is adjacent.

See Typ. 7156, 7157, or 7158.

Bid Item.

Applies only for Paved Shoulders constructed on project with existing granular shoulders.

Bid Item. Typ. 7156, 7157, or 7158.

Does not include shrink.

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.

Carcaracions	assume a	HMA unit weight Location	. (103/01) 01 1	L+2, u .	opeciai bac		weight (103/er		a di dilu	<u> </u>	taci aniic w	cigne (103)	/CI) OI 140	•		Oua	ntities							
Road	tion (=) affic	Station to	) Station	Side	P Width	P <sub>SG</sub> Width	G   Ler		ss 13 <sup>4</sup>	Hot Mix	Asphalt	Binder	Paved Shoulder (Note 1)	Shoulder	Reinforced Paved Shoulder		Special B		Subbase	Granular Shoulder	Shou!	ng and Sha Lder Mater	ial	marks
Identification	Direc Of Tr				FT	FT 2			Y 3	TON	TON/STA	TONS	SY 3	Guardrail SY 5	SY 3	HMA Alt	TON/STA	PCC Alt	CY 3	TON 3 TON/STA	STA 3	HMA CY 6	PCC CY 6	- 8 -
IA 210	NB	7982+82.10	7983+12.30	R†		11.8		30.2	1.1	2.183	7.228	0.131		39.6							0.3			
IA ZIO	NB	7983+12.30				11.8 to 10.8		4.1	1.5	3.052	6.921	0.183		55.4							0.4			
	NB	7983+56.40	7983+75.70			10.8 to 8.8		19.3	0.6	1.158	6.003	0.070		21.0							0.2			
	NB	7983+75.70	7983+80.60			8.8		4.9	0.1	0.264	5.390	0.016		4.8							0.0			
Bridge																								
	NB	1100+50.00	1100+80.00	Rt		9.0		80.0	0.8	1.654	5.513	0.099		30.0							0.3			
	NB	1100+80.00	1101+03.00	Rt		9 to 10.8		23.0	0.7	1.395	6.064	0.084		25.3							0.2			
	NB	1101+03.00	1101+42.80	Rt		10.8 to 11.8		39.8	1.4	2.755	6.921	0.165		50.0							0.4			
	NB	1101+42.80				11.8		30.2	1.1	2.183	7.228	0.131		39.6							0.3			
	NB	1101+60.50	1102+44.60		4.0			84.1					37.4								0.8			
	NB	1103+90.00	1153+00.00		4.0			10.0					2182.2								49.1			
	NB	1193+74.00	1201+50.00	Rt	4.0		7	76.0					344.9								7.8			
IA 210	SB	7982+98.20	7983+28.30			11.8		30.1	1.1	2.175	7.228	0.131		39.5							0.3			
	SB	7983+28.30	7983+72.20			11.8 to 10.8		13.9	1.5	3.038	6.921	0.182		55.1							0.4			
	SB	7983+72.20	7983+91.40			10.8 to 9		19.2	0.6	1.164	6.064	0.070		21.1							0.2			
	SB	7983+91.40	7984+00.50	Lt		9.0		9.1	0.3	0.502	5.513	0.030		9.1							0.1			
Bridge	CD.	4400 50 00	4400.05.00					15.0	4.5	2 526	F F43	0.450		45.0										
	SB	1100+50.00	1100+96.00			9.0		16.0	1.3	2.536	5.513	0.152		46.0							0.5			
	SB	1100+96.00	1101+15.10			9 to 10.8		19.1	0.6	1.158	6.064	0.069		21.0							0.2			
	SB SB	1101+15.10 1101+59.00				10.8 to 11.8		13.9 30.2	1.5	3.038 2.183	6.921	0.182 0.131		55.1 39.6							0.4 0.3			
	SB	1101+89.20	1101+89.20 1102+41.00		4.0	11.8		51.8	1.1	2.183	7.228	0.131	23.0	39.6							0.5			
	SB	1101+89.20			4.0			24.0					2188.4								49.2			
	SB	1153+12.00	1203+00.00		4.0			88.0					2216.9								49.9			
	36	1133712.00	1203+00.00	LL	4.0		43	50.0					2210.9								43.3			
									15.3					552.2							162.0			
														332.2							102.0			
									No	lote 1: P	aved should	der quantit	ies includ	ed with Mai	nline									
											in tab 100													

## 108-8A 10-16-18

#### STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION

Possible Standards: BA-200, BA-201, BA-202, BA-205, BA-206, BA-210, BA-211, BA-221, BA-225, BA-250, BA-260, LS-625, LS-626, LS-630, LS-635, SI-172, SI-173 and SI-211.

(	1	Lane	2(:	s) to	which	n the	obsta	cle	is	adjace	nt. installation.
(	2)	Not	а	bid	item.	Incid	dental	to	gua	ardrail	installation.

	1	Side	ocation		1	Layout	Lengths				D	elineators	and Object	ct Marker	s 2						Bid I	tems					
					BA-250	0, BA-260,	LS-630, or l	LS-635				Delineator	Oh	ject Mark	/on						BA	-250 or LS-0	530		BA-260 o	r LS-635	
No.	ction raffic	ıtside edian	Station	Offset	(VT1)	VF	(VT2)	ET	Long-Span	System	SI-211 -	SI-172		SI-173		Bolte Anc		Post Adapter	Steel Beam Guardrail	Barrier Transition		End Te	erminal		Barrier Transition	End Terminal	Remarks
					VII		\(\frac{\frac{12}{12}}{12}\)					Type 1	Type 2	Тур	pe 3					Section	Tangent	Flared	Tangent	Flared	Section	Tangent	
	泸								BA-21	1		White	OM2-2	OM3-L	OM3-R	BA-	-202	BA-210	BA-200	BA-201	BA-205	BA-206	LS-625	LS-626	BA-221	BA-225	
		0 2		FT	LF	LF	LF	LF	STATION	TYPE	TYPE	EACH	EACH	EACH	EACH	TYPE	EACH	EACH	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
1	NB	0	7984+27.89		53.125	25.00		47.7			3				1	С	1		37.5	1	1						
2	NB	0	7986+80.21		53.125	25.00		47.7			3			1		С	1		37.5	1	1						
3	SB	0	7986+96.30		53.125	25.00		47.7			3				1	С	1		37.5	1	1						
4	SB	0	7984+43.97		53.125	25.00		47.7			3			1		С	1		37.5	1	1						
																	4		150.0	4	4						

110-7A 04-17-12

#### REMOVAL OF STEEL BEAM GUARDRAIL

1 Lane(s) to which the installation is adjacent.
(2) Includes length of End Terminals and End Anchors.

(2) 11	iciuues	Teligiti oi cilu	TELIIITIIATZ ALIU EI	IU AIICIIC	л э.
		Location			
No.	Direction (	Station t	Side	Removal of Guardrail 2 LF	
	NB	7984+44.00		SW	60.0
	SB	7984+28.00		SE	60.0
	NB	7986+96.00		NW	60.0
	SB	7986+80.00	NE	60.0	
			TOTAL		240.0

## MILLED RUMBLE STRIPS

See PV-12 and PV-13

\* Calculated at 18" width for Shoulder.

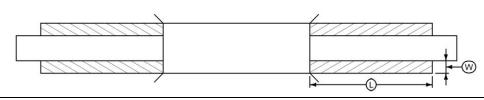
			Location					Fog Seal*	Effect	ive Shoulder	` Width	
			Shoulder	Rumble Strip Type			ion Length	(Milled Rumble Strip)	PCC Payed	HMA Paved	Granular∖	Remarks
Road Identification	Station t	o Station	Pavement	(Centerline,	(r)	PCC	HMA	Shoulder	rcc raveu	nina raveu	Earth	Nellial KS
			Type	Rt or Lt Shoulder)	IN	STA	STA	GAL	FT	FT	FT	
IA 210	1101+60.00	1148+00.00	HMA	Right Shoulder			46.40	50.3		4.0	2.0	
	1193+75.00	1202+00.00	HMA	Right Shoulder			8.25	9.0		4.0	2.0	
	1101+75.00	1148+00.00	HMA	Left Shoulder			46.25	50.2		4.0	2.0	
	1193+75.00	1202+00.00	HMA	Left Shoulder			8.25	9.0		4.0	2.0	
	4404 00 00											
	1101+00.00	1148+00.00	HMA	Centerline			47.00	0.0				
	1193+75.00	1202+00.00	HMA	Centerline			8.25	0.0				
				Totals			HMA	Fog Seal				
				HMA Shoulders			109.15	118.5				
				HMA Centerlines			55.25					

10-21-14

112-10 10-20-20

#### AREAS FOR PAVEMENT OR BASE WIDENING

Refer to Standard Road Plans PV-105 or PV-203



(1) Bid Item
(2) Estimated for two applications to achieve lifts and one application of 0.10 Gal/SY adjacent to existing pavement. Priming of subgrade or finished base is not required. Calculations assume a HMA unit weight (lbs/cf) of 145, a Special Backfill unit weight (lbs/cf) of 140, and a Tack Coat unit weight (gal/sy) of 0.05.

Station to	Station	Side	Pavement Type	Length	W Width	Thickness	HMA Base Widening	HMA Base	PCC Base	PCC		Coat  Vertical  Edge  GAL	Tack Coat  (2) GAL	Asphalt Binder 1	Class 13 Excavation, Widening ① CY	Special Backfill	Remarks
1101+73.00	1102+44.60	Rt	HMA	71.60	4.0	3.0		31.8	<u> </u>	J.	3.18	0.20	3.38		2.7	10.15	
1103+90.00	1153+00.00	Rt	HMA	4910.00	4.0	3.0		2182.2			218.22	13.64	231.86		181.9		
1193+74.00	1201+50.00	Rt	HMA	776.00	4.0	3.0		344.9			34.49	2.16	36.64		28.7		
1101+89.20	1102+41.00	Lt	HMA	51.80	4.0	3.0		23.0			2.30	0.14	2.45		1.9		
1103+88.00	1153+12.00	Lt	HMA	4924.00	4.0	3.0		2188.4			218.84	13.68	232.52		182.4		
1193+74.00	1203+00.00	Lt	HMA	926.00	4.0	3.0		411.6			41.16	2.57	43.73		34.3		
								5182.0							431.8		

#### PAVEMENT MARKING LINE TYPES

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

\*\*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

SLW2: Stop Line (White) @ 6.00

See PM-110
\*\*\*MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.25

DCY4: Double Centerline (Yellow) @ 2.00

CBW6: Crosswalk Bar (White) @ 15.00

		Т		Location							Le	ength by L	ine Type (	untactore	1)				1		
oad ID	Station to	Station	Dir. of	Marking Type	Side	ELW4	NPY4**	BCY4*	DCY4	CBW6	SLW2										Remarks
	5:3:1011 (0	- 20 020/1	Travel	nang Type	L C R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
T-115	DATHT AFTER ME	TNC																			
	PAINT AFTER MILI		DOTU	Hatanhama (Calicat Daint	V V V	10.07	0.44														
10	7978+00.00 1100+90.30	7987+43.60 1107+00.00	BOTH BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X X X X X X		9.44 6.10														
	1107+00.00	1110+00.00	BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X X X	6.00	0.10	3.00													
	1110+00.00	1116+00.00	BOTH	Waterborne/Solvent Paint	X X X		6.00	3.00													
	1116+00.00	1121+00.00	BOTH	Waterborne/Solvent Paint	X X X		0.00	5.00													
	1121+00.00	1140+00.00	BOTH	Waterborne/Solvent Paint	X X X		19.00	2111													
	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	1188+25.00 1203+50.00	BOTH BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X X X	30.50			9.25 15.25												
FMP PΔTNT	AFTER MILLING F		ВОТП	water borney solvent Faint	_	30.30			13.23												
10	7978+00.00	7987+43.60	вотн	Waterborne/Solvent Paint	x x x	18.87	9.44														
	1100+90.30	1107+00.00	BOTH	Waterborne/Solvent Paint	X X X		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		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	1174+81.00 1175+30.00	BOTH BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X				3.20 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												
FINAI	L PAVEMENT MARKI	NGS																			
210	7978+00.00	7987+43.60	BOTH	Waterborne/Solvent Paint	X X X		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	XXX	6.00	5 00	3.00													
	1110+00.00 1116+00.00	1116+00.00 1121+00.00	BOTH BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X X X X X X	12.00	6.00	5.00													
	1121+00.00	1140+00.00	BOTH	Waterborne/Solvent Paint Waterborne/Solvent Paint	X X X	38.00	19.00	5.00													
	1140+00.00	1153+00.00	BOTH	Waterborne/Solvent Paint	X X X	26.00	15.00		13.00												
	1153+00.00	1171+61.00	BOTH	Waterborne/Solvent Paint	XX	20.00			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	20 ==			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		di doves cut for Favelliefft Mai Kings	_	133.37	40.54	0.00	03.30												
	1100130130	1203130100																			
				Factored Total: Waterborne/Solvent Paint			152.03		381.00	60.00	12.00	-	-		-	-	-				
				Factored Total: Grooves Cut for Pavement Markin	gs	153.57	50.68	2.00	127.00	-	-	-	-	-	-	-	-	-	-	-	
				Bid Quantity: Painted Pavement Markings, Waterb	orne or Solvent	-Based			1071.74												
				Bid Quantity: Grooves Cut for Pavement Markings					333.25												

ENGLISH DESIGN TEAM Smyth\Adey\Ringgenberg FILE NO.

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

SHEET NUMBER

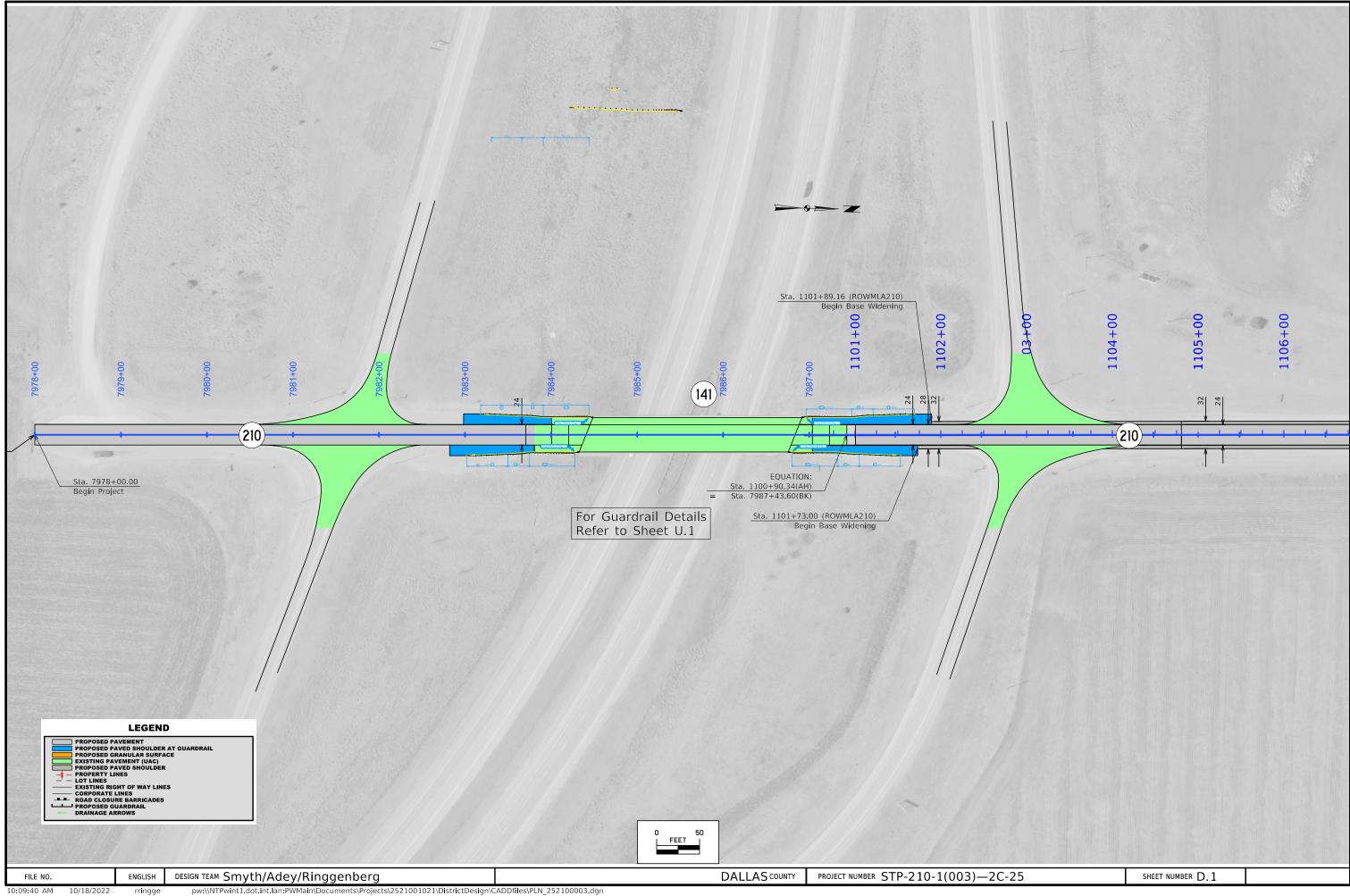
## **FULL-DEPTH PATCHES**

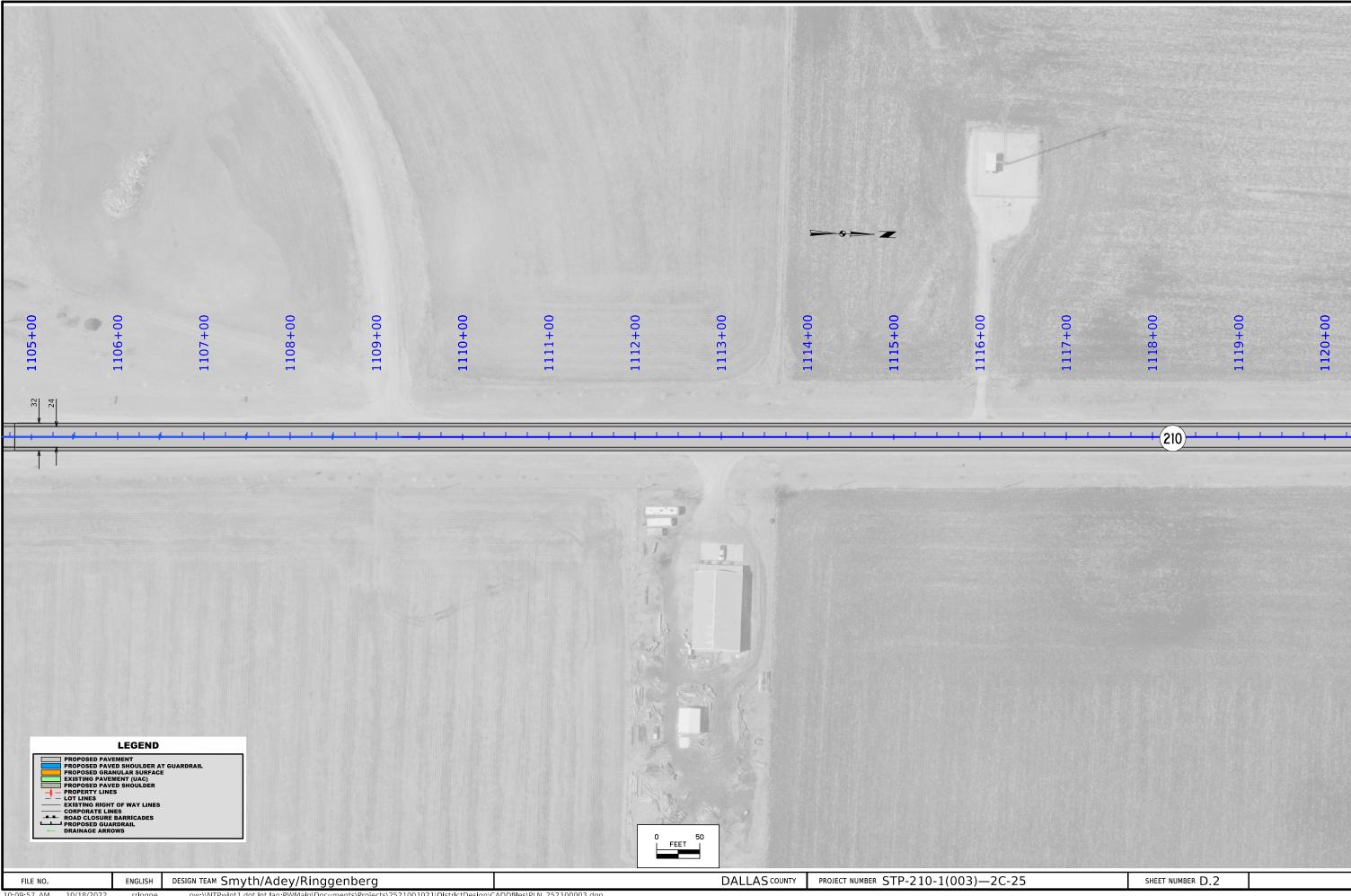
Possible Standards:	PR-101,	PR-102,	PR-103,	PR-104	, PR-105 and PR-140.

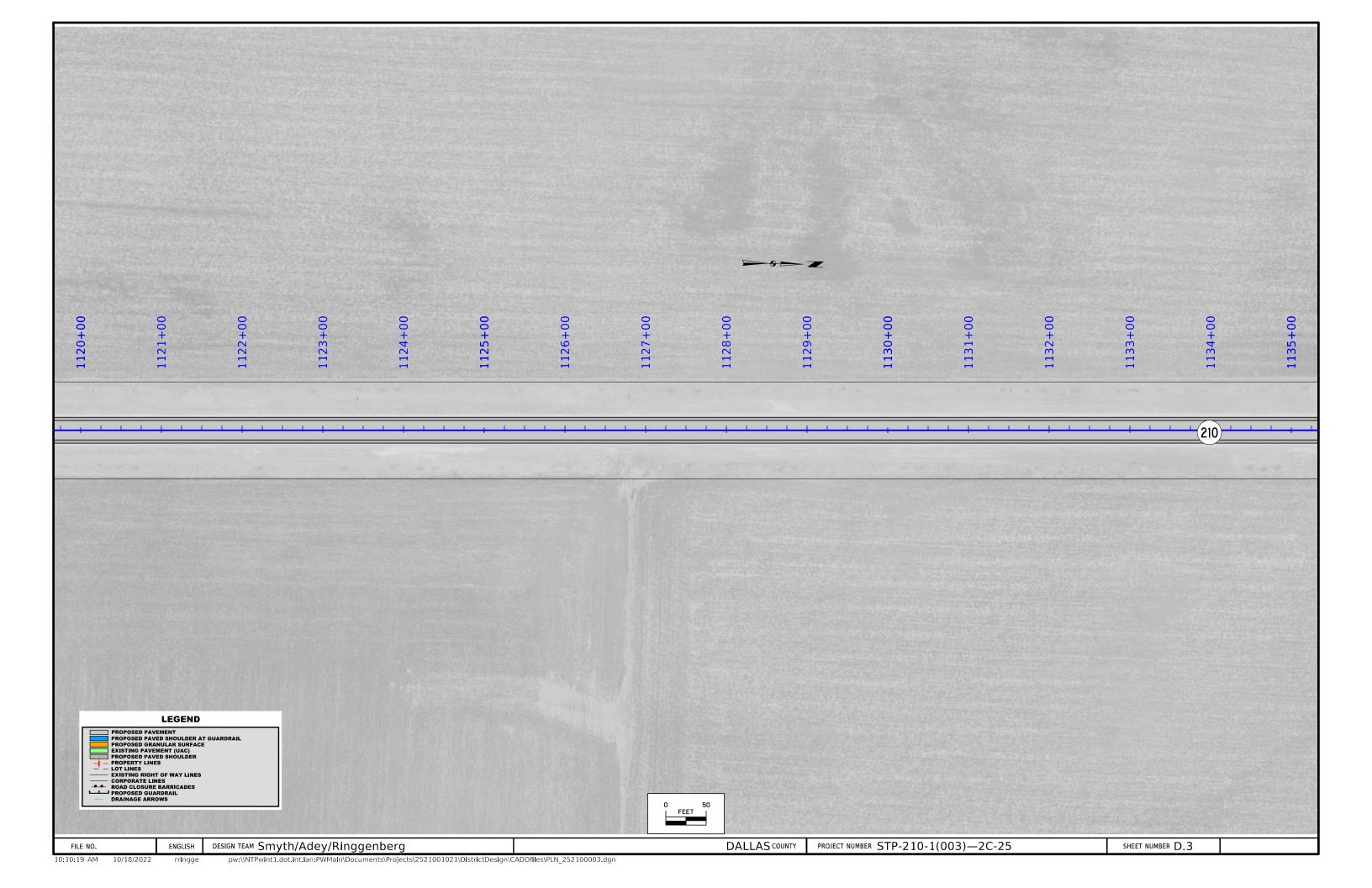
									Standards: F	R-101, PR-1	102, PR-103,	PR-104, PR-	-105 and PR-140.				1		
Lo	cation 			Dimension		U.i.+h		atches	Dama vith	LIMA	Composito	Subbase	Subbase Patch		'CD'	LCT	'EF'	Anchor	
Station	Reference	Lane	Length	Width	Patch Thickness	Dowels	Dowels	CRC	Dowels	Patches	HMA	Patches	w/ 'EF' Joint	Patch Subdrain	Joints	Joints	Joints	Lugs Removal	Remarks
	Location Sign					PR-103	PR-102	PR-104	PR-105			PR-140		PR-101 or PR-140			PR-101		
		L, R, or B			IN	SY	SY	SY	SY	SY	TON	SY	SY	No.	No.	No.	No.	No.	
		Lt																	
				13.0		17.3													
				13.0	12.0	26.0													
						9.3													
						31.1													
1168+23		Rt	50.0	14.0	12.0	//.8													
						444.6	DATCHEC	THE DEDTH D	FDATD										
						15.0	PAICHES B	COUNT (REP	MIL)										
		Station Location Sign  1118+77  1118+77  1122+40  1122+40  1131+28  1131+28  1141+22  1141+22  1155+45  1156+25  1162+55  1168+23	Station         Reference Location Sign         L. R. or B           1118+77         Lt           1118+77         Rt           1122+40         Lt           1131+28         Lt           1131+28         Rt           1141+22         Lt           1155+45         Lt           1155+45         Rt           1156+25         Rt           1162+55         Lt           1163+23         Lt	Station         Reference Location Sign         L. R. or B         FT           1118+77         Lt         15.0           1122+40         Lt         8.0           1131+28         Lt         12.0           1131+28         Rt         12.0           1141+22         Lt         18.0           1155+45         Lt         20.0           1155+45         Rt         20.0           1162+55         Lt         20.0           1162+55         Rt         20.0           1163+23         Lt         50.0	Reference Location Sign         Lane         Length         Width           1118+77         L, R, or B         FT         FT           1118+77         Rt         15.0         13.0           1122+40         Lt         8.0         13.0           1131+28         Lt         12.0         13.0           1131+28         Rt         12.0         13.0           1141+22         Lt         18.0         13.0           1145+45         Lt         20.0         14.0           1155+45         Rt         20.0         14.0           1155+25         Rt         6.0         14.0           1162+55         Lt         20.0         14.0           1163+23         Lt         50.0         14.0	Station         Reference Location Sign         L. R. or B         FT         FT         IN           1118+77         Lt         15.0         13.0         12.0           1122+40         Lt         8.0         13.0         12.0           1122+40         Rt         8.0         12.0         12.0           1131+28         Lt         12.0         13.0         12.0           1131+28         Rt         12.0         13.0         12.0           1141+22         Lt         18.0         13.0         12.0           1155+45         Lt         18.0         13.0         12.0           1155+45         Lt         20.0         14.0         12.0           1155+25         Rt         6.0         14.0         12.0           1162+55         Lt         20.0         14.0         12.0           1163+23         Lt         50.0         14.0         12.0	Reference Location Sign   Lane   Length   Width   Patch Thickness   PR-103	Reference   Lane   Length   Width   Patch   Thickness   With   Dowels   Dowels	Company   Comp	Name	Coation   Coat	Composite   Comp	Coation   Composite   Compos	Composite   Comp	Reference   Lane   Length   Width   Patch   Thickness   PR-102   PR-102   PR-104   PR-105   PR-105	Coation	Coation   Coat	Coation   Coat	Cation   Composite   Composite   Cation Sign   Cation Si

				110-4 08-01-08
	CURE	B RE	MOVAL	
Begin	End	Side	Length	Remarks
Station	Station		STA	
1168+23.00	1168+73.00	Lt	0.5	
1168+23.00	1168+73.00	Rt	0.5	
	Total		1.0	

				BS AND RAISED			112-4 10-21-14
1 Item	T			PV 20 ,PV 102 , and 60		Ţ	
			Island Interior	Curb	and Gutter		
Point No.	Station	0ffset	Area (1)	Curb Type	Gutter Width	Length(1)	Remarks
			SY		FT	LF	
	1168+23.00	Lt		6" Standard PCC		50.0	
	1168+23.00	Rt		6" Standard PCC		50.0	
						100.0	



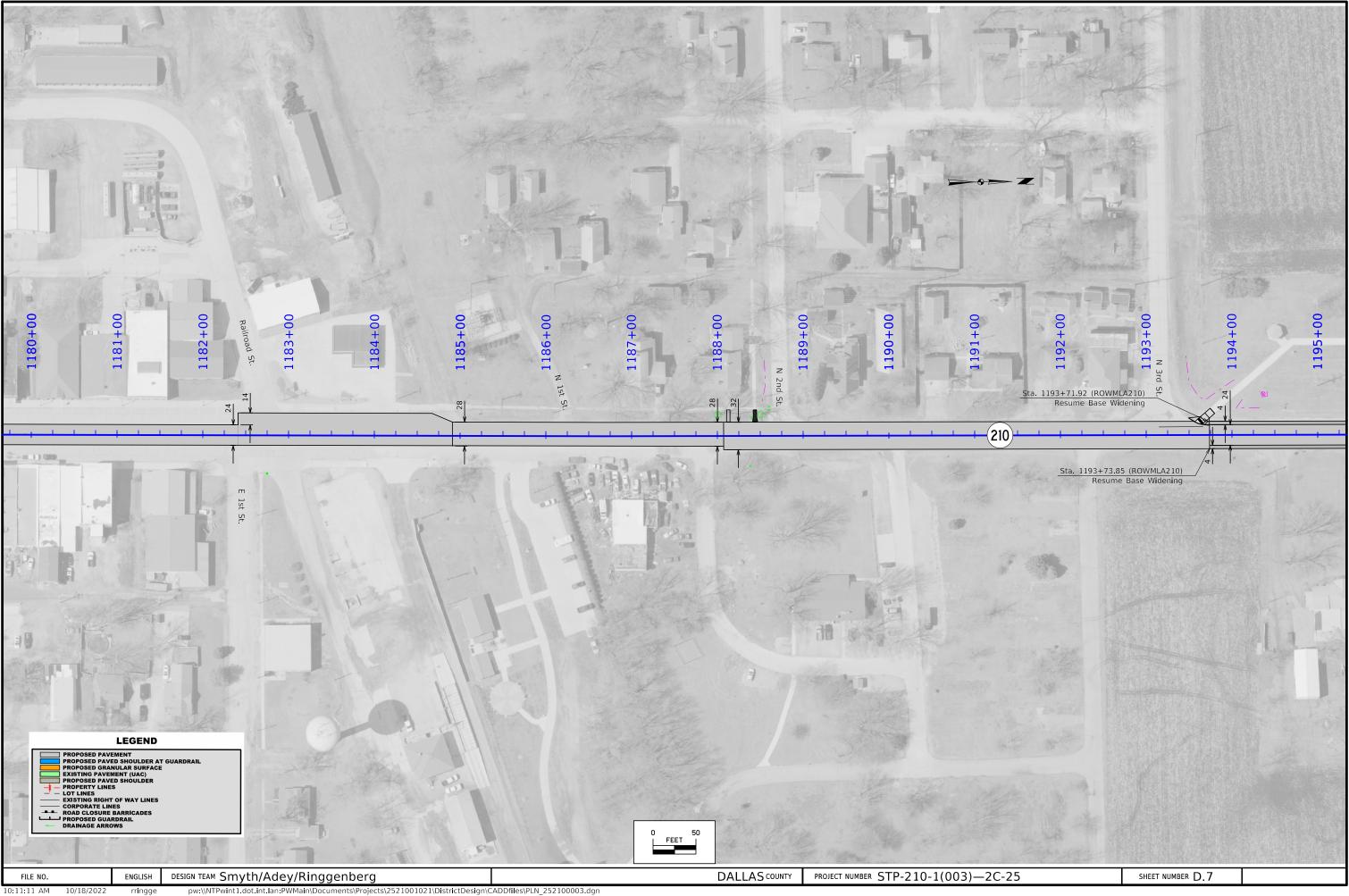




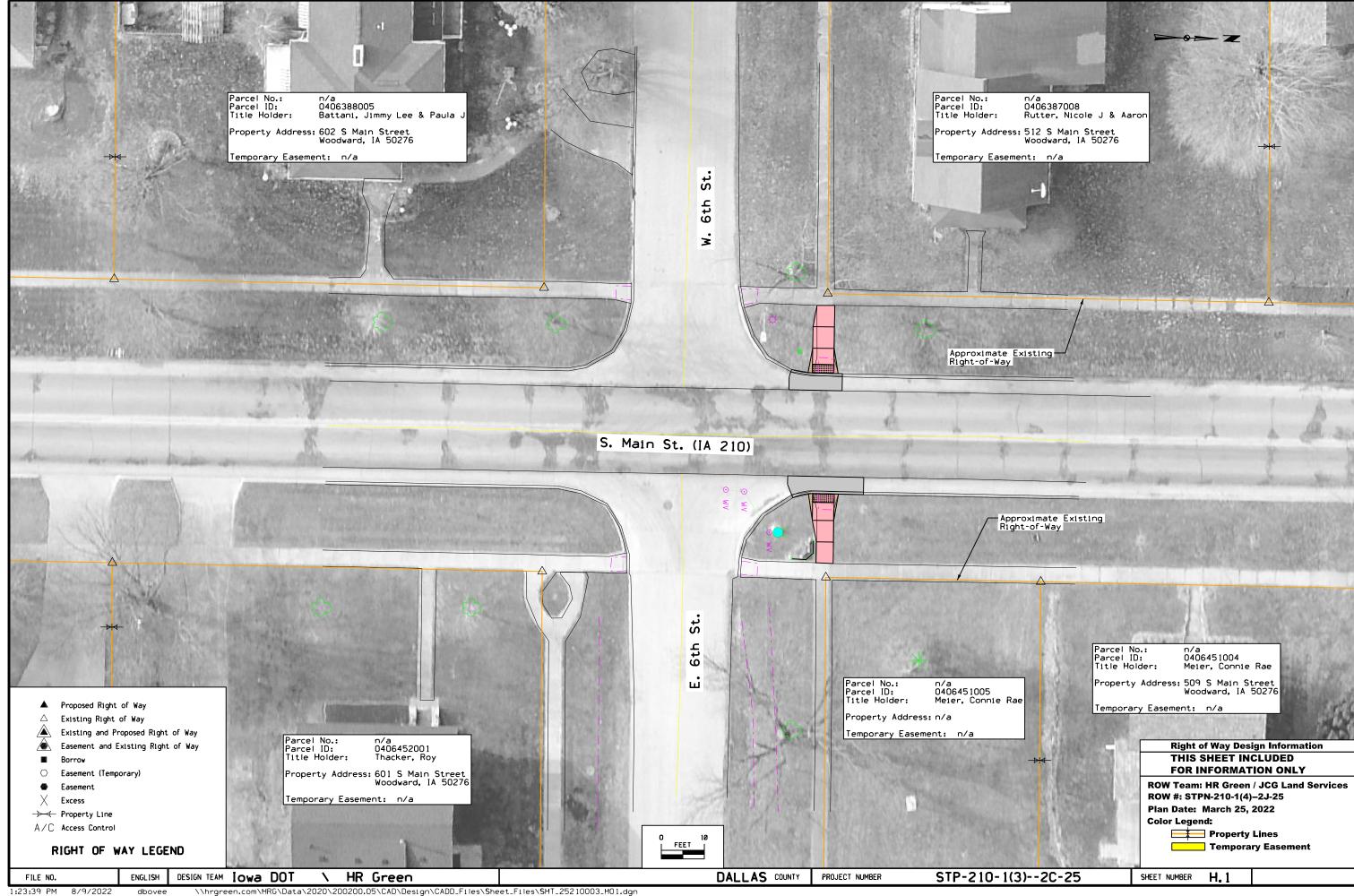


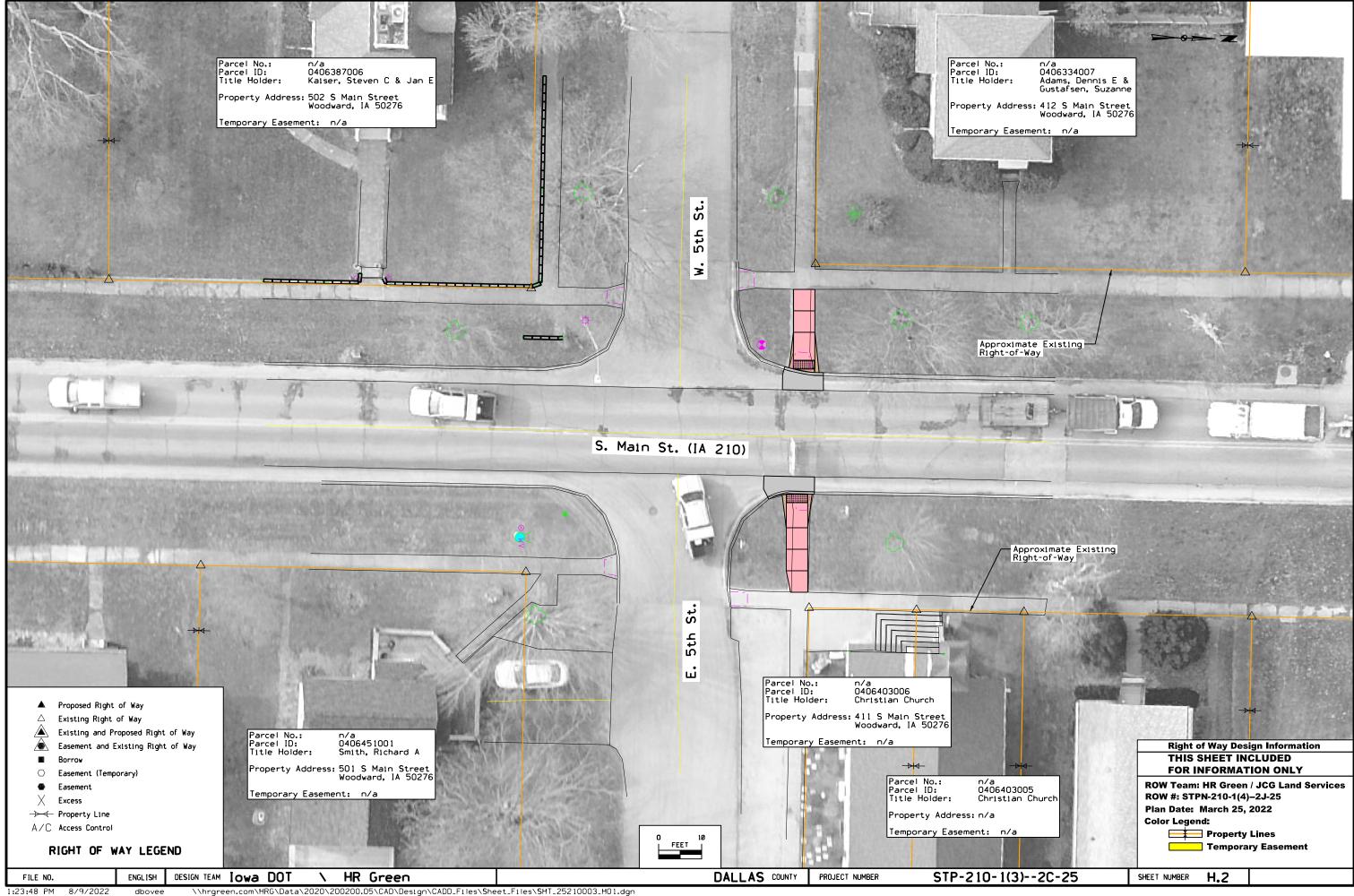


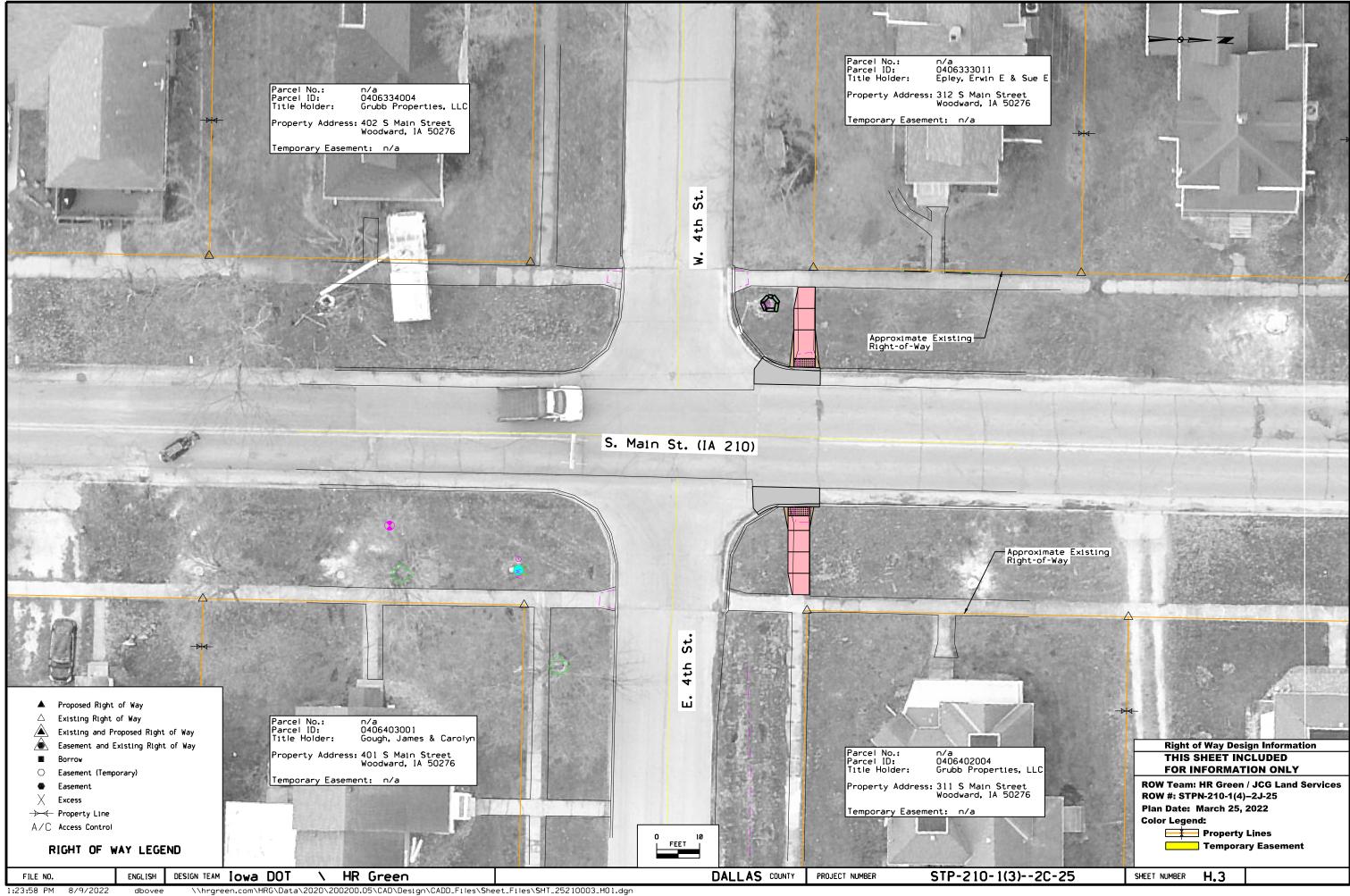


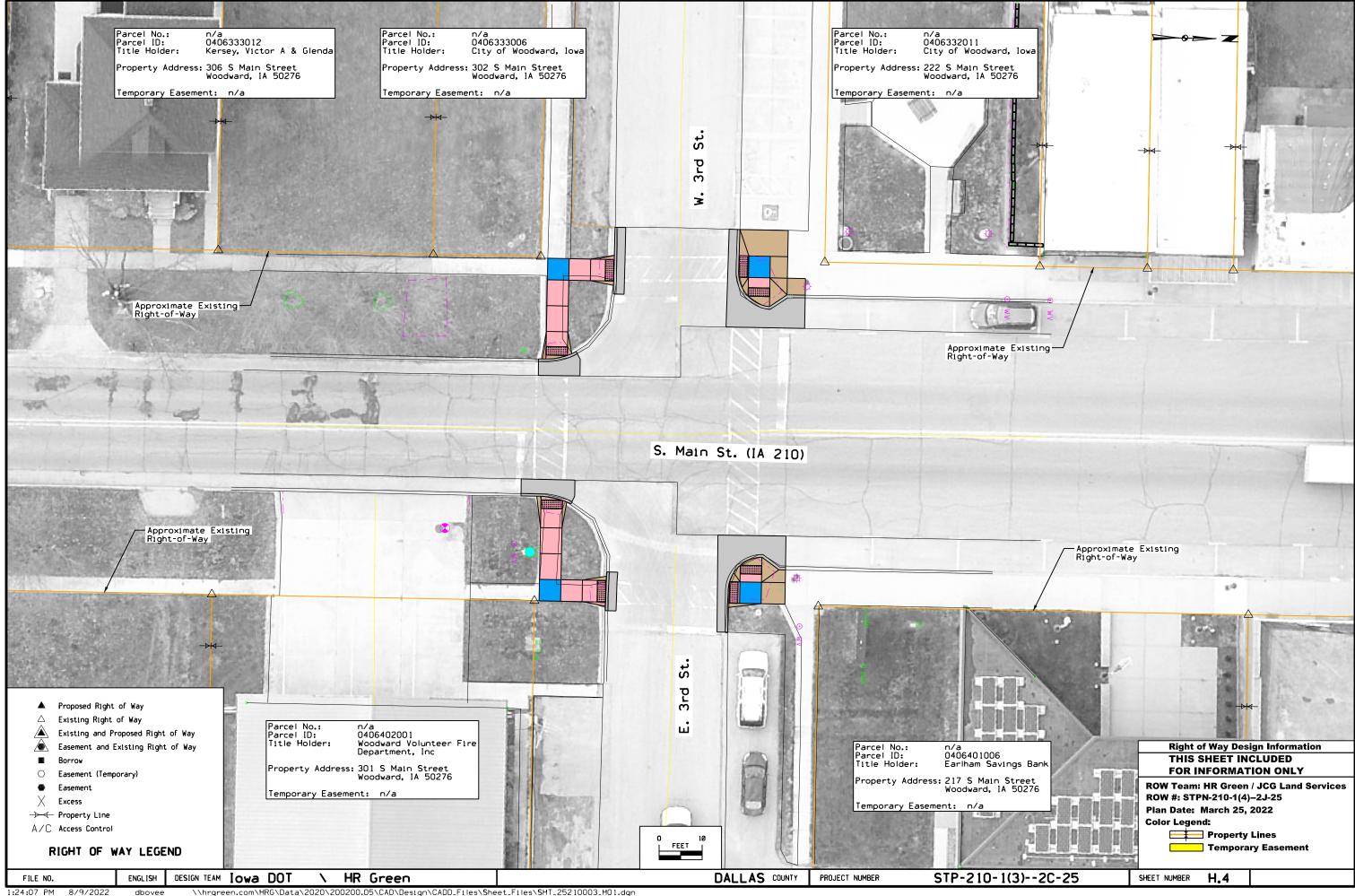






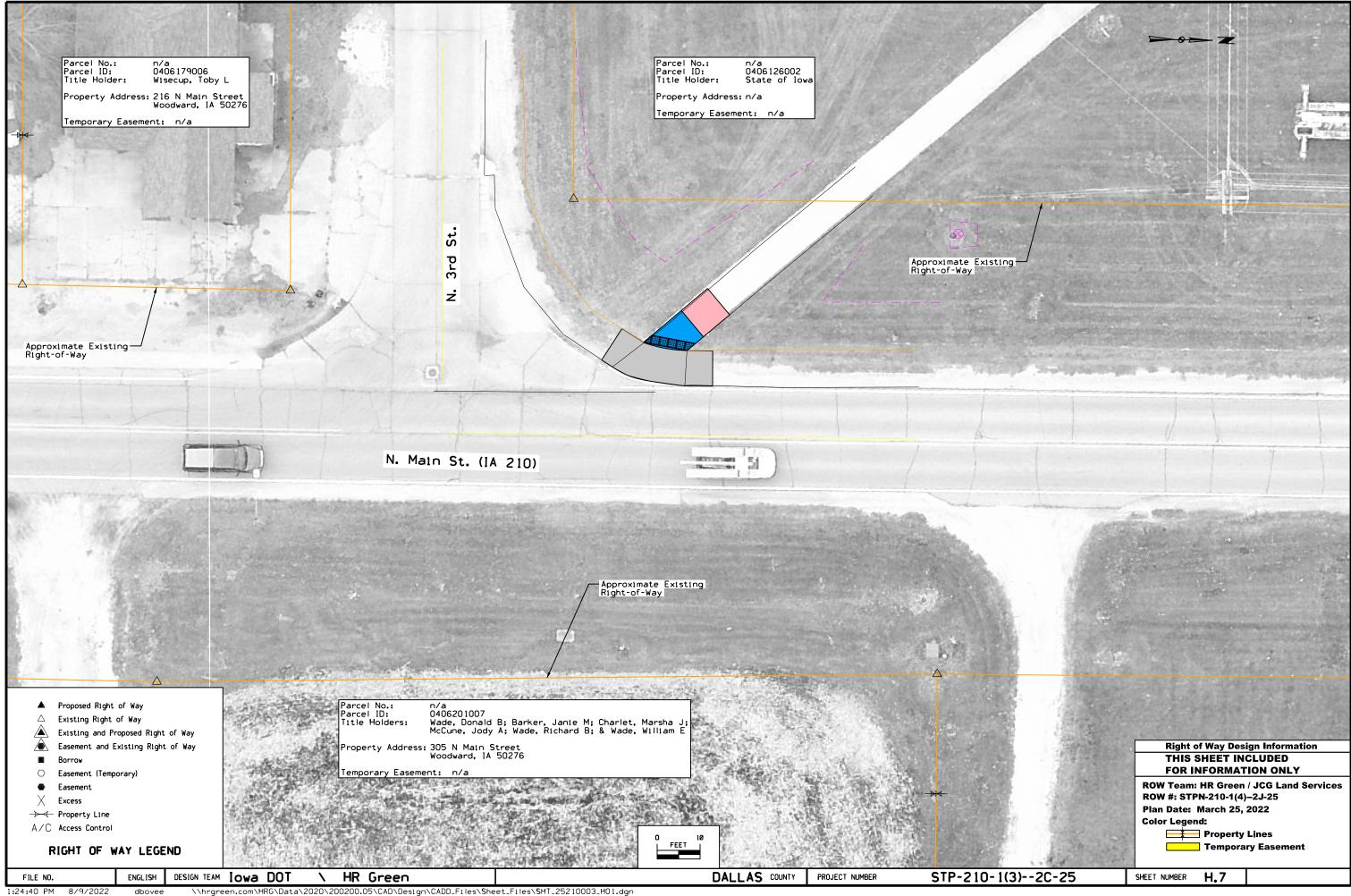












108-23A 08-01-08 TRAFFIC CONTROL PLAN Traffic shall be maintained at all times via use of flaggers and pilot cars.

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.

Type of Work
Bridge Deck Replacement

ENGLISH | DESIGN TEAM | Smyth\Adey\Ringgenberg FILE NO.

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

SHEET NUMBER

#### 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: <a href="mailto:chuck.woods@blackhillscorp.com">chuck.woods@blackhillscorp.com</a>

(SYT) MINBURN TELECOMMUNICATIONS, IN

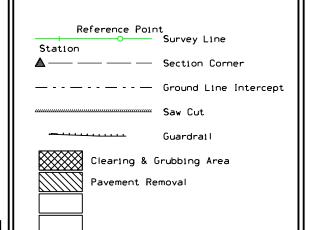
Contact Name: KENDALL ABBEY Contact Phone: 5154382200

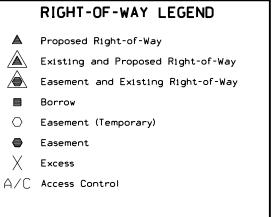
Contact Email: KENDALLA@MINBURNCOMM.COM

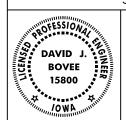
( WWC ) WOODWARD, CITY OF Contact Name: Chris Newland

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







#### 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

09/12/2022

DAVID J. BOVEE, P.E. Printed or Typed Name

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)

**S.** 1

HR Green DALLAS COUNTY PROJECT NUMBER STP-210-1(3)--2C-25 SHEET NUMBER DESIGN TEAM IOWA DOT ENGL ISH

FILE NO.

# ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

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

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

Item no.	Item Code	Item	Unit	Quantities Estimated Sidewalk Items	Estimate Reference Notes
7	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	11.8	<ul><li>A. Refer to Tab. 113-1 and Standard Notes 290-01 and 290-02 in the S Sheets for locations and details.</li><li>B. Removal limits may be lengthened to reach an existing sidewalk joint. Saw cuts may be required.</li><li>C. See Traffic Control Plan and Staging Notes in the S Sheets for pedestrian staging or closings.</li></ul>
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	A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.  B. Item included removal and reinstallation of the existing sings along lowa 210.  C. Contractor shall re-use existing signs. Contractor to provide new PSST anchor and all necessary hardware for installation per manufacturers recommendations.  D. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials, if required, shall be new.  E. Method of Measurement: The Engineer will count each sign removed and reinstalled.  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.
11	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	1	A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.  B. Anchor tube shall be 2 1/2 in. x 2 1/2 in. x 42 in. steel tubing made from 7 gauge material.
12	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	2	A. Refer to Tab. 190-62 and Note 259-01 in the S Sheets for locations and details.  B. Anchor tube shall be 2 1/2 in. x 2 1/2 in. x 48 in. steel tubing made from 7 gauge material.
13	2526-8285000	CONSTRUCTION SURVEY	LS	1	<ul> <li>A. Staking in the S Sheets is incidental to Construction Survey.</li> <li>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.</li> <li>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.</li> </ul>
14	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	186.2	<ul><li>A. Refer to Tab. 102-6C in the S Sheets for locations and details.</li><li>B. Includes integral 6 in. Standard Curb and Drop Curb at Sidewalk curb ramp locations (to be considered incidental).</li></ul>
15	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	16	

Design Team :Allison Smyth County Name :Dallas Project Number:STP-210-1(003)--2C-25 08/12/2022 10:00 AM SHEET S.3

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

Design Team :Allison Smyth County Name :Dallas Project Number:STP-210-1(003)--2C-25 08/12/2022 10:00 AM SHEET S.4

	105-4
	10-18-11
NDADD DOAD DIANC	

		STANDARD ROAD PLANS
		The following Standard Road Plans apply to construction work on this project.
Number	Date	Title
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PR-103	04-21-20	Full Depth PCC Patch with Dowels
PV-101	04-19-22	Joints
PV-102	04-21-20	PCC Curb Details
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	10-19-21	Work Within 15 ft of Traveled Way
TC-211	10-15-19	Lane Closure on Low Volume Roadway
TC-601	10-15-19	Pedestrian Detour

	Tabulation Title	Sheet No.
S Sheets		
100-19	PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES	S.8
102-6C	FULL-DEPTH PATCHES	S.5
105-4	STANDARD ROAD PLANS	S.5
108-23A	TRAFFIC CONTROL PLAN	S.9
108-26A	STAGING NOTES	S.9
110-1	REMOVAL OF PAVEMENT	S.6
110-5	SIDEWALK REMOVAL	S.6
111-25	INDEX OF TABULATIONS	S.5
113-1	SIDEWALKS	S.7 - S.8
113-2	PEDESTRIAN PATH CLOSURES	S.9
113-10A	SIDEWALK COMPLIANCE	S.19 - S.21
190-62	EXISTING SIGNS TO BE REMOVED	S.6
MAILBOX	RELOCATION OF MAIL BOXES	S.6

											PTH PAT										
Loc	ation			Dimension	1		DCC D	<u>Possible S</u> atches	Standards: PR	R-101, PR-1	02, PR-103,	PR-104, PR-	105, and PR-140	ð. T							
Location  Count Station Ref.	Reference	Lane	Lane	Lane	Length	Width	Patch Thickness	With Dowels	Without Dowels	C R C	Ramp with Dowels	HMA Patches	Composite HMA	Subbase Patches	Subbase Patch w/ 'EF' Joint	Patch Subdrain	'CD' Joints	'CT' Joints	'EF' Joints	Anchor Lugs Removal	Remarks
	Location Sign					PR-103	PR-102	PR-104	PR-105			PR-140	PR-101	PR-101 or PR-140	1		PR-101	Kemovai			
		L, R, or B	L, R, or B	FT	FT	IN	SY	SY	SY	SY	SY	TON	SY	SY	No.	No.	No.	No.	No.		
Main Street (IA 210) a	and 6th Street																				
1 NW Quadrant	and bui street	1			9.0	5.6															
2 NE Quadrant		R			9.0	8.0															
2 NE Quadi ant		IX.			5.0	5.0															
Main Street (IA 210) a	and 5th Street																				
3 NW Quadrant		L			9.0	4.8															
4 NE Quadrant		R			9.0	5.5															
Main Street (IA 210) a	and 4th Street	1			0.0	7.0															
5 NW Quadrant 6 NE Quadrant		R R			9.0	7.9 8.4															
6 NE Quadrant		K			9.0	8.4															
Main Street (IA 210) a	and 3th Street																				
7 NW Quadrant		L			9.0	18.4															
8 SW Quadrant		L			9.0	4.3															
9 SW Quadrant		L			9.0	4.7															
10 SE Quadrant		R			9.0	6.0															
11 SE Quadrant		R			9.0	2.5															
12 NE Quadrant		R			9.0	16.3															
Main Street (IA 210) a	and 2th Street																				
13 NW Quadrant		L			9.0	27.1															
14 SW Quadrant		L			9.0	25.8															
15 SE Quadrant		R R			9.0	24.7															
16 NE Quadrant		К			9.0	16.2		-													
					TOTAL:	186.2															
					IUIAL:	100.2															
								1			1		1								

ENGLISH DESIGN TEAM IOWA DOT \ HR Green, Inc.

				110-5 10-20-1
* Not a bid i		ALK RI	EMOVAL	ı
Begin	End	Area	Saw Cut*	
Station	Station	SY	LF	Remarks
		31	LF	
S Main Street	(IA 210) and 6	th Street		
NW Quadrant		7.3	4.0	
NE Quadrant		7.4	4.0	
S Main Street	(IA 210) and 5	th Street		
NW Quadrant		8.6	4.0	
NE Quadrant		10.3	4.0	
S Main Street	(IA 210) and 4	th Street		
NW Quadrant		8.5	4.0	
NE Quadrant		9.3	4.0	
S Main Street	(IA 210) and 3	Brd Street		
NW Quadrant	·	7.7	17.4	
NW Quadrant		6.3	5.0	
NW Quadrant		6.3	0 1	
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 NE Quadrant		6.0 7.8	3.0 5.0	
NE Quadrant		7.0	3.0	
	(IA 210) and 2			
NW Quadrant NW Quadrant		10.1	18.4	
NW Quadrant		8.8	2.0	
SW Quadrant		6.6	4.6	
SW Quadrant SW Quadrant		1.0	1.0	
SW Quadrant		10.1	0.7	
SE Quadrant		11.1		
SE Quadrant SE Quadrant		3.5 12.6	11.5	
SE Quadrant		10.4	9.6	
JE Quantum			2.0	
NE Quadrant		9.5		
NE Quadrant		12.2	45.5	
NE Quadrant		10.4	15.5	
	(IA 210) and M	2nd Stre		
SW Quadrant		6.5	10.0	
S Main Street	(IA 210) and N	3nd Stre	et	
NW Quadrant	·	14.1	7.7	
	TOTAL:	270.4		
	IOIAL.	2/0.4		
			-	

			RE	MOVAL O	F PAVEM	
* Not a Bid Ite	em					
Begin Station	End Station	Side	Pavement Type	Area	Saw Cut*	Remarks
	<u> </u>		<u> </u>	SY	LF	
	(IA 210) and N	N 3rd Street				
NW Quadrant	<u> </u>	ļ	PCC	12.8	17.5	Existing Paved Shoulder
	<u> </u>					
			TOTAL:	12.8		
				-		

		E	XISTI	NG SI	GNS T	O BE	REMOVE	D		190-62 10-15-13	
SIGN NUMBER OR DESCRIPTION	LOCATION STATION	DIRECTION OF TRAVEL		TYPE 'A' SIGN ASSEMBLY	SIGN	REMOVE & EXISTIN	G SIGNS	CONCRETE FOUNDATION	SUPPORT STRUCTURE & FOUNDATION	APPLICABLE SIGNING NOTES	REMARKS
			RA EACH	RB EACH	RR EACH	RR EACH	RF EACH	RS EACH	NOTES		
S Main Street (IA 210)	) and 3rd Stre	et									
Stop Sign and Street ID Assembly	NE Quadrant	WB			1				RR, PP	See Notes 1 & 2	
S Main Street (IA 210)	and 2nd Stre	o+									
Stop Sign and	, and zna stre										
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 Relocat											
2. Intall existing s									1 to Too CC: -	Control bid item	
3. Place temporary St	top Sign until	. permanent	sign asso	embly is i	Installed	at permane	ent location	(inclaenta	1 to Traffic	Control bid item).	

MAILBOX

#### **RELOCATION OF MAIL BOXES**

110-1

LOCATION	QUANTITY EACH
	2710.1
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.

SHEET NUMBER

113-1

04-16-19

#### SIDEWALK CONSTRAINTS

Widths:

Widths listed in the S sheets are minimums.

2. 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.

3. Longitudinal Slopes: a. Sidewalk:

- i. Roadway slope exceeds 5.0%: Sidewalk longitudinal slope exceeding the roadway slope by more than 2.0% will not be allowed.
- ii. Roadway slope 5.0% or less: Sidewalk longitudinal slope exceeding 5.0% will not be allowed.

b. Ramps:

- i. Ramps 15.0' in length or less: Longitudinal slope exceeding 8.3% will not be allowed.
- ii. 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

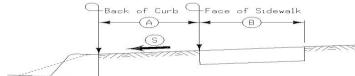
290-01 04-15-14

#### 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

**SIDEWALKS** 

See MI-220 and S Sheets



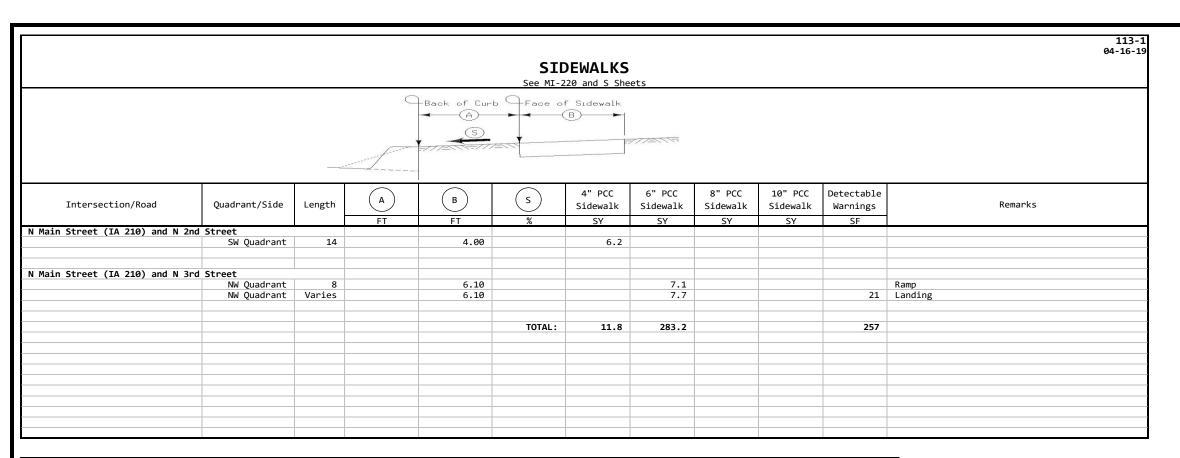
				2//-//							
Intersection/Road	Quadrant/Side	Length	A FT	B	<u>S</u> %	4" PCC Sidewalk SY	6" PCC Sidewalk SY	8" PCC Sidewalk SY	10" PCC Sidewalk SY	Detectable Warnings SF	Remarks
S Main Street (IA 210) and 6th	2 Street										
3 Main Street (IA 210) and 6th	NW Quadrant	15.8		5.00			9.2			10	Ramp
	NE Our disease	16.2		F 00			0.4			10	Down .
	NE Quadrant	16.2		5.00			9.4			10	Ramp
C Main Street (TA 210) and Eth	- Chu-at										
S Main Street (IA 210) and 5th	NW Quadrant	19.3		5.00			11.6			10	Ramp
	NE Quadrant	22.8		5.00			13.3			10	Ramp
S Made Street (71 240) and 441	- Charact										
S Main Street (IA 210) and 4th	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	d Street NW Quadrant	Varies					7.6				
	NW Quadrant	5		5.00			2.8				Landing
	NW Quadrant	2.3 Varies		5.00			1.3			10	Ramp
	NW Quadrant 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	
	SE Quadrant SE Quadrant	5 10.6		5.00 5.00		2.8	6.4			10	Landing Ramp
	3L Quadrant	10.0		3.00			0.4			10	Kaliip
	NE Quadrant NE Quadrant	2.7		5.00			1.9 0.6			10	Ramp
	NE Quadrant	Varies 5		5.00			2.8				Landing
	NE Quadrant	3.9		5.00			2.9			10	
	NE Quadrant	Varies					5.5				
S Main Street (IA 210) and 2nd	NW Quadrant	Varies					6.4				
	NW Quadrant	5.8		6.00			4.1			12	Ramp
	NW Quadrant NW Quadrant	5 Varies		6.00			4.0 8.4				Landing
	NW Quadrant	Varies					2.7				
	NW Quadrant	6.1		6.00			4.4			12	Ramp
	SW Quadrant						7.1				
	SW Quadrant	5.5		6.00			3.9 5.7			12	Ramp
	SW Quadrant SW Quadrant	Varies Varies					5.7				Landing
	SW Quadrant	Varies		5.00			4.1				2
	SW Quadrant	5.5		6.00			4.3			12	Ramp
	SE Quadrant	Varies					11.9				
	SE Quadrant SE Quadrant	6 5		6.00			4.5 4.0			12	Ramp Landing
	SE Quadrant	Varies		3.00			8.1				
	SE Quadrant SE Quadrant	Varies 7.2		6.00			4.0 5.1			12	Ramp
				0.00						12	- Kamp
	NE Quadrant	Varies		6.00			10.4			12	Powe
	NE Quadrant NE Quadrant	6.1		6.00			4.4			12	Ramp Landing
	NE Quadrant	Varies		,,,,,			7.6				<u> </u>
	NE Quadrant NE Quadrant	Varies 6		6.00			2.7 4.3			12	Ramp
	2000. 0110			3.33			5				
[											

ENGLISH | DESIGN TEAM IOWA DOT \ HR Green, Inc. FILE NO.

DALLAS COUNTY PROJECT NUMBER STP-210-1(3)--2C-25

SHEET NUMBER

**S.7** 



								10-1
	P	<b>ERI</b>	METER, :	SLOPE A	ND DITC	H CHECK	SEDIME	ENT CONTROL DEVICES
			-			le Standards:		
L	ocation		Per	imeter and Sl	ope	Ditch		
				th of Installa		Length of I	nstallation	Remarks
Begin Station	End Station	Side		12 inch Dia				Reliidi KS
			LF	LF	LF	LF	LF	
S Main Street	(IA 210) and 6th							
	NW Quadrant	L	20.0					
	NE Quadrant	K	20.0					
C Main Stroot	(IA 210) and 5tl	h Stnor						
3 Main Street	NW Quadrant		20.0					
	NE Quadrant		20.0					
	NE Quadrant	- 1	20.0					
S Main Street	(IA 210) and 4tl	h Stree	et					
	NW Quadrant	L	20.0					
	NE Quadrant	R	20.0					
	· ·							
S Main Street	(IA 210) and 3tl		et					
	SW Quadrant		40.0					
	SE Quadrant		40.0					
	NE Quadrant	R	10.0					
N 2nd Street								
	SW Quadrant	L	20.0					
N 3nd Street								
N Shu Street	NW Quadrant		20.0					
	NW Quadrant	L	20.0					
	TOTAL:		250.0					
	TOTAL.		250.0					

	FILE NO.	ENGLISH	DESIGN TEAM IOWA DOT \ HR Green, Inc.	DALLAS COUNTY	PROJECT NUMBER	STP-210-1(3)2C-25	SHEET NUMBER	<b>S.8</b>
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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

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.

ciosures 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)	Pedestria	n Path Closu	res per quadrant, except where noted.

### **STAGING NOTES**

108-26A 08-01-08

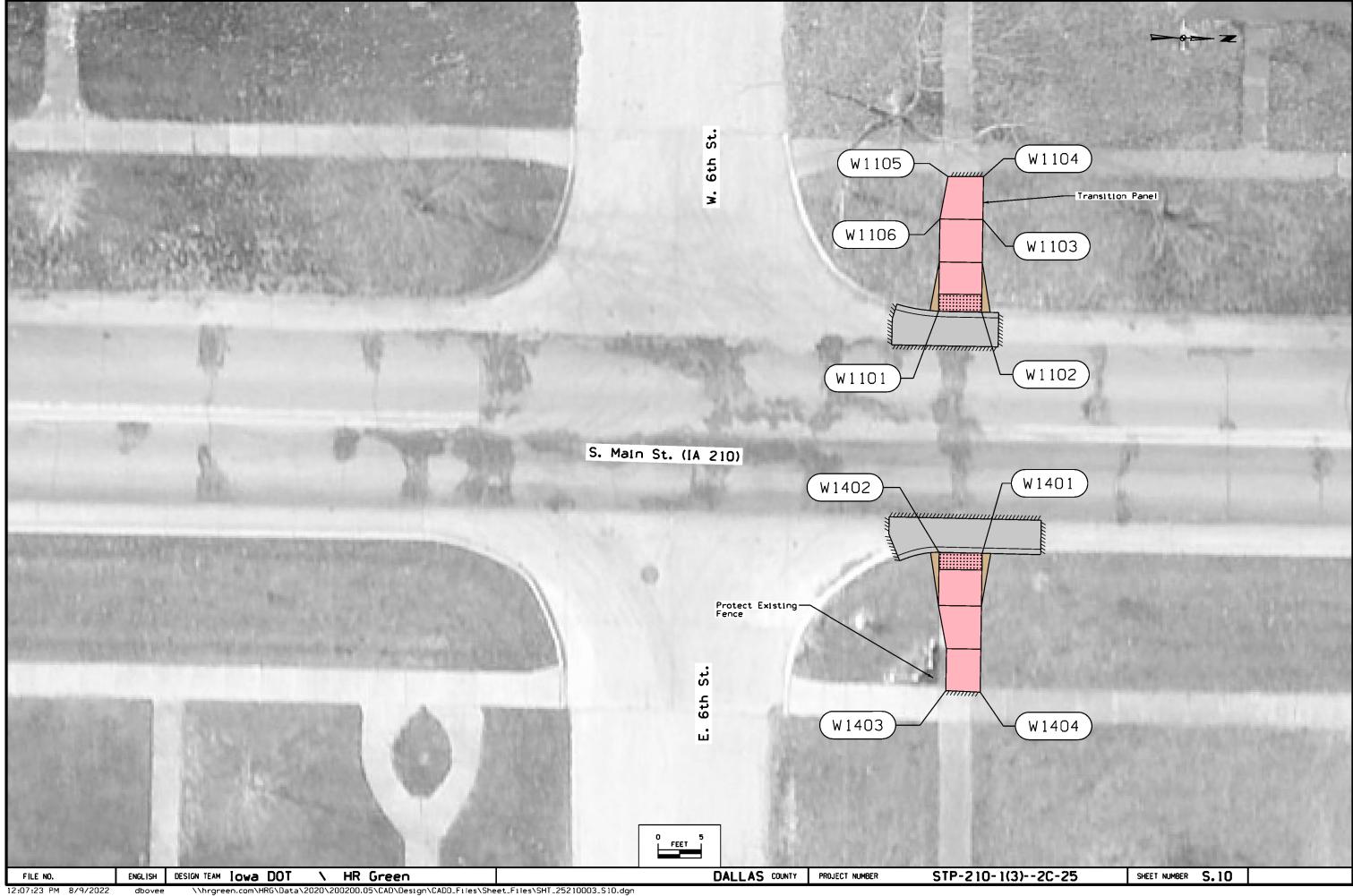
- 1. The Contractor shall only be permitted to have 4 continuous blocks under construction at a time. These may include:
  - One block of sidewalk being excavated and removed, PCC shall be replaced withing 10 working days of removal.
- One block of sidewalk being prepared for pouring, preparing of subgrade, 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 proposed 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.

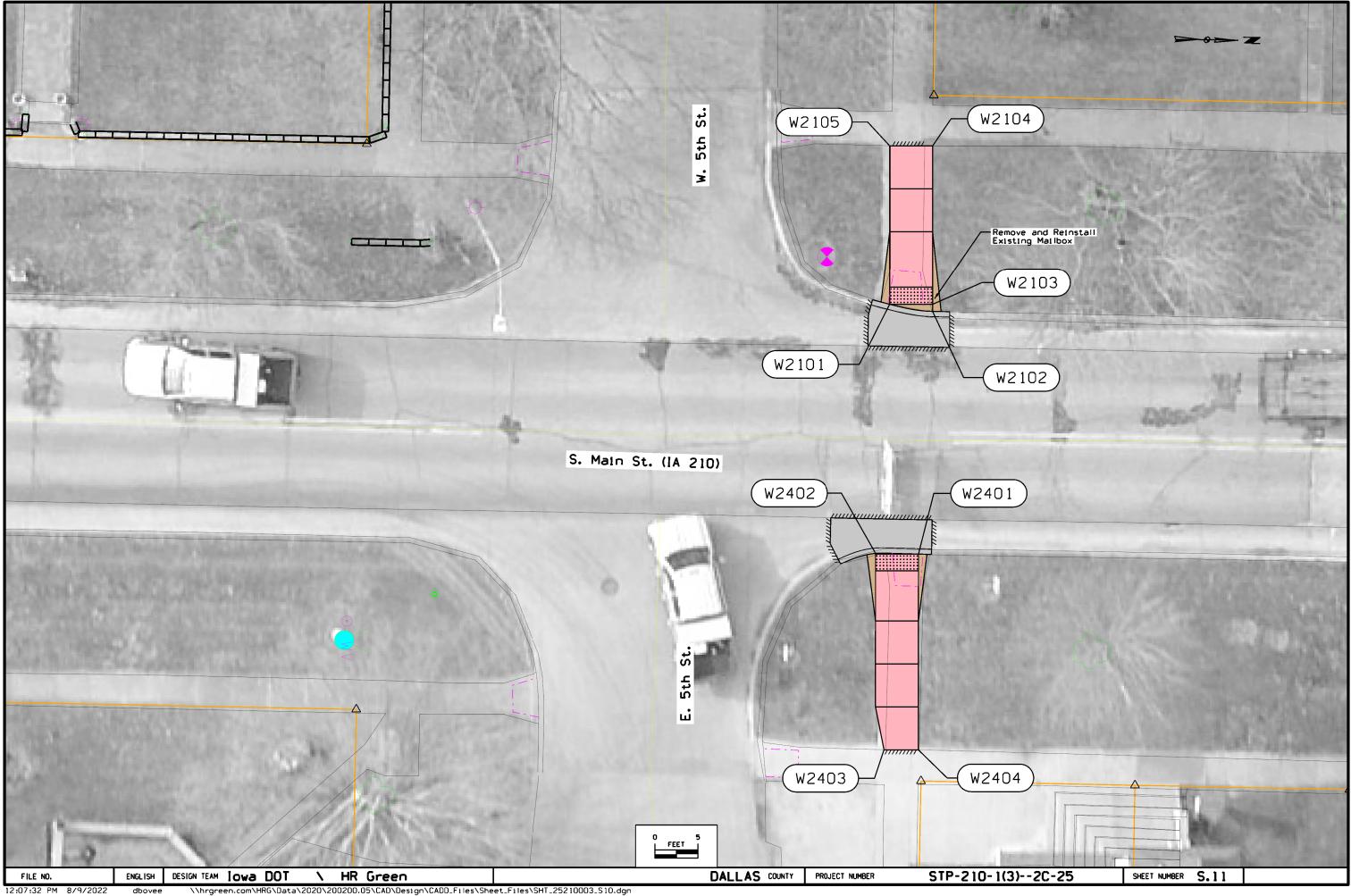
DALLAS COUNTY PROJECT NUMBER

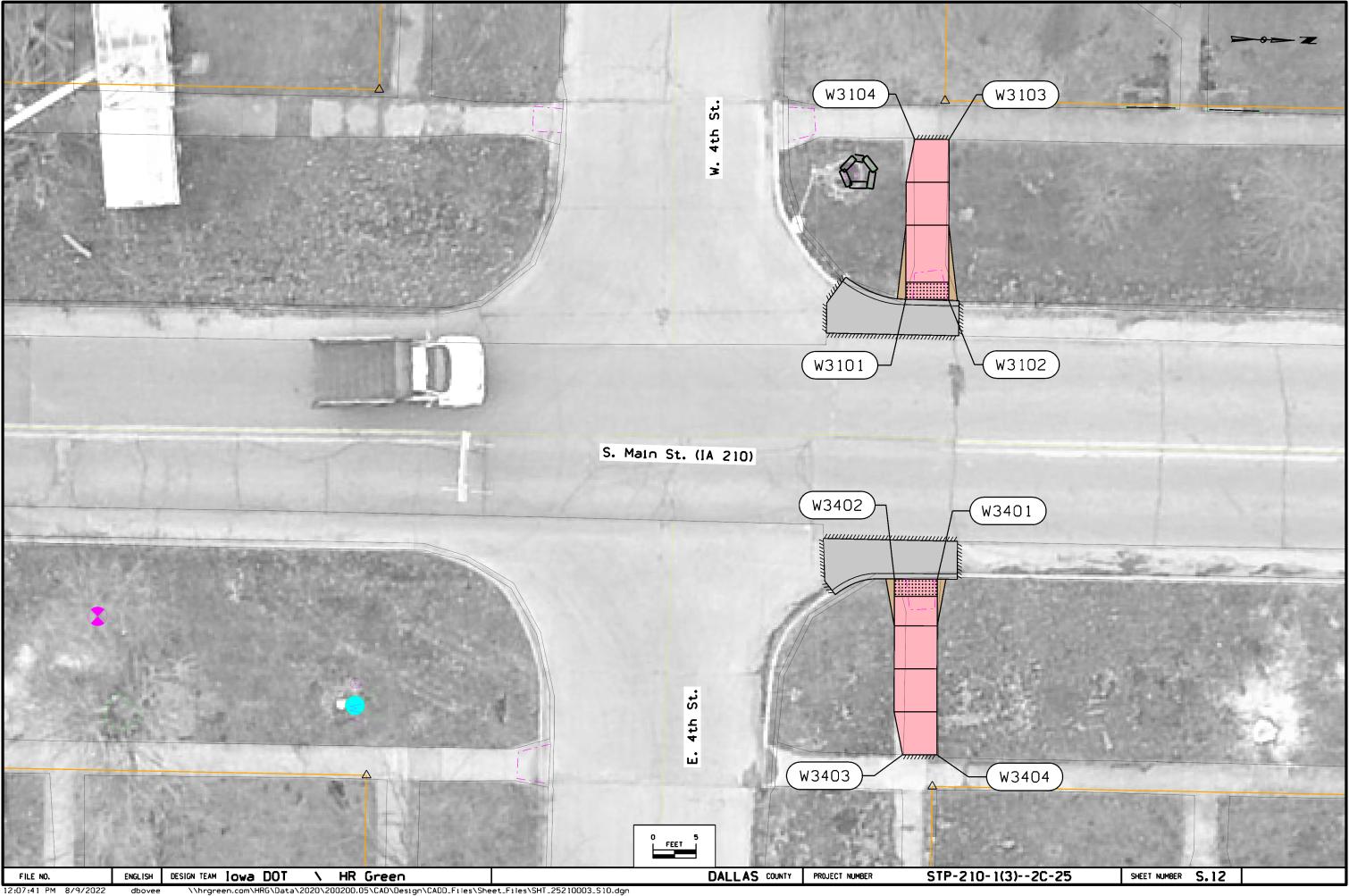
STP-210-1(3)--2C-25

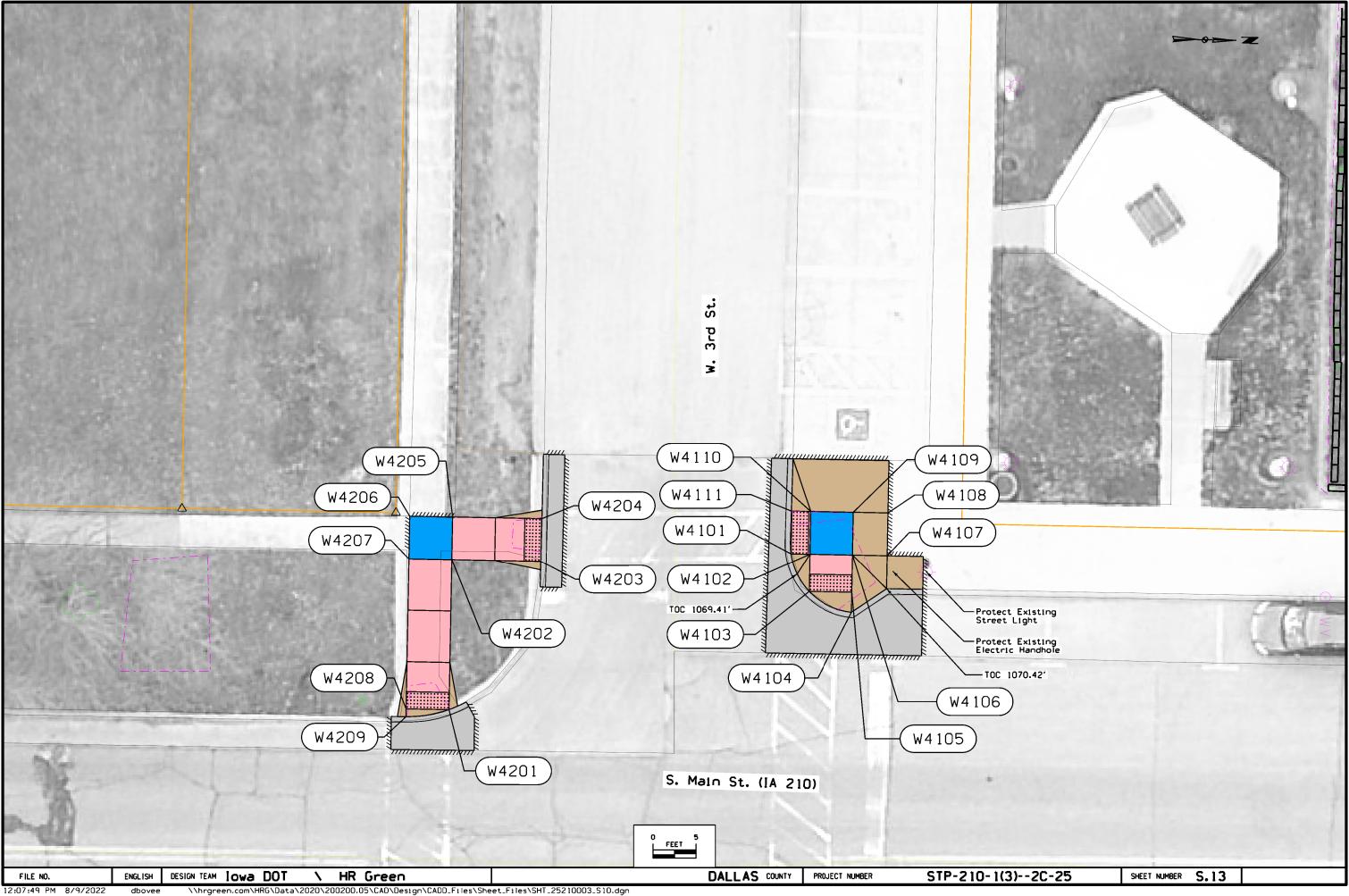
SHEET NUMBER

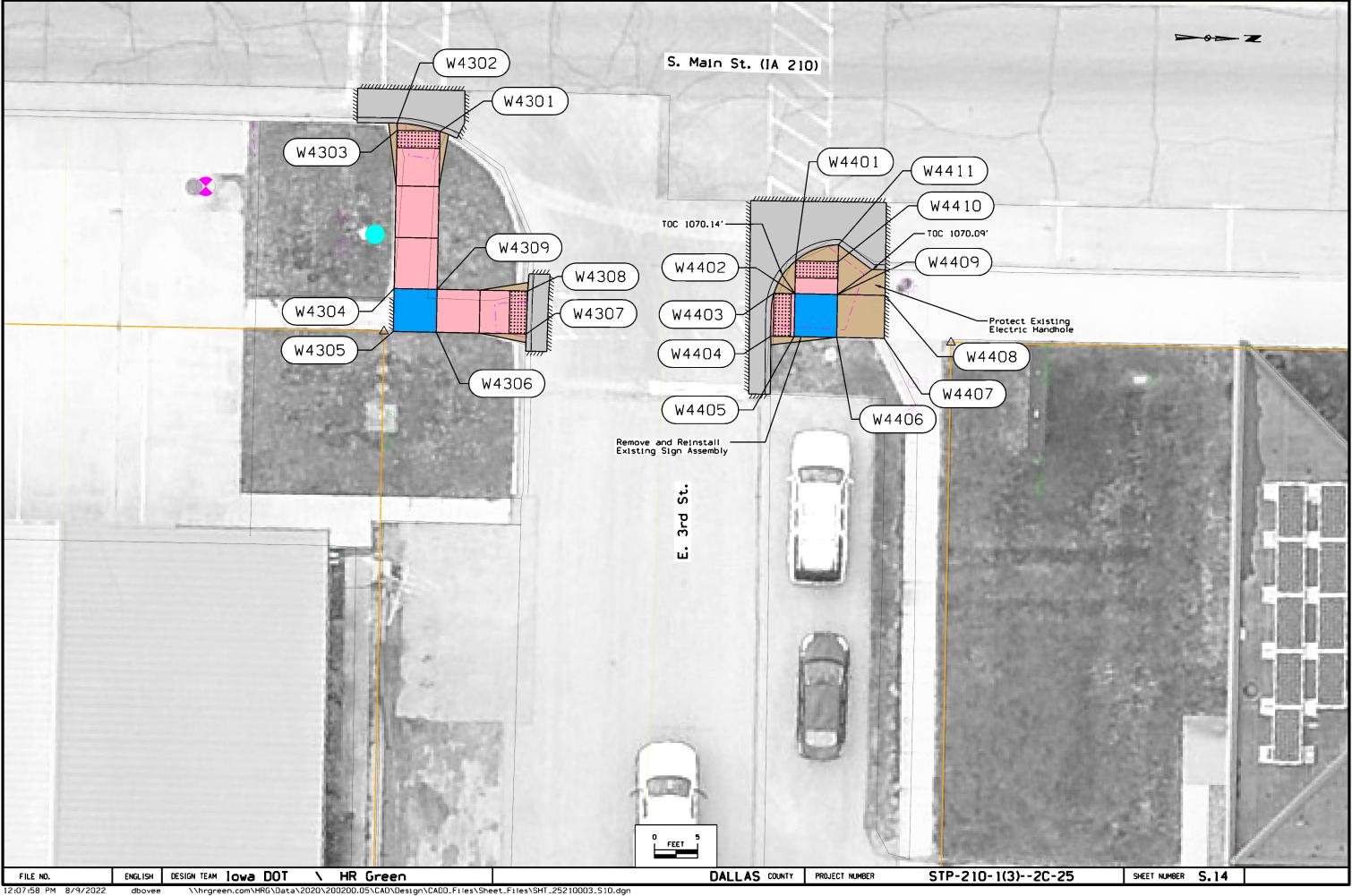
**S.9** 

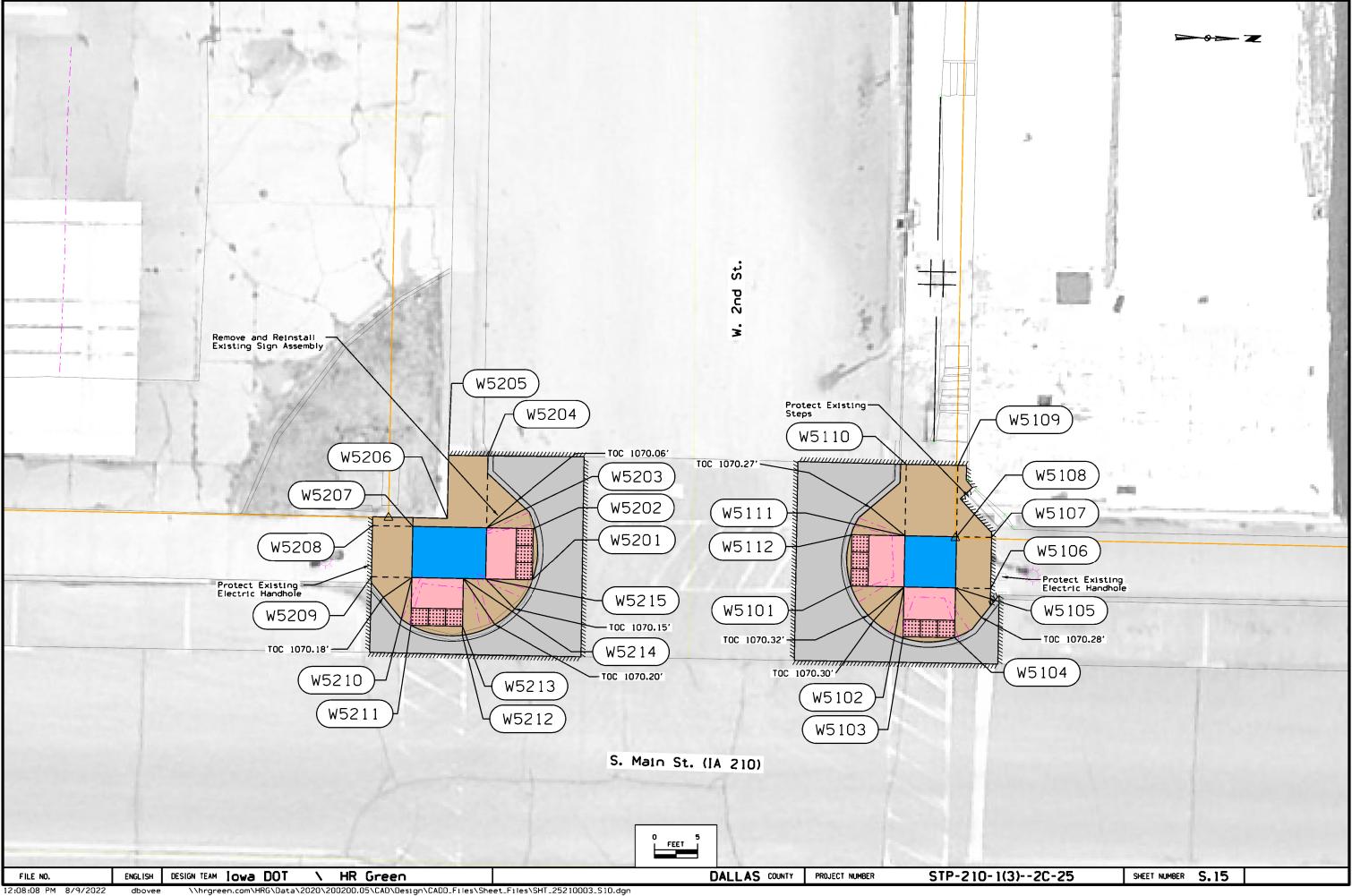


















# SIDEWALK COMPLIANCE

See S Sheets

(1) Staki		by Contracting Authority per Article 2511.03 of	the Standa	ard Specific	cations.			See 5 5	neets						
	to tabulat	Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY VALUES USED TO DETERMINE DESIG			LOPES
			2	`				Quadrant?				Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.	(1)	%						
NW Quadr	ant - S Mai	n Street and W 6th Street													
W1101 W1101	W1102 W1106	Crosswalk Cross Slope - No Yield Condition Ramp Running Slope	6	5.00 10.78	0.03 1.53	0.6% 14.1%	0.0% to 5.0% 0.5% to 15.1%				Length constructed must exceed 15 feet at a uniform running s	W1101 W1102	7584029.38 7584034.38	18444015.98 18444016.05	
W1102	W1104	Ramp Running Slope	6	15.78	2.30	14.6%					Length constructed must exceed 15 feet at a uniform running :	W1103	7584034.53	18444005.27	1065.93
W1103 W1104	W1106 W1105	Ramp Cross Slope Match Existing Cross Slope	6	5.00 4.13	-0.08 -0.13	-1.5% -3.1%	0.1% to 2.0% Match Existing				Transition cross slope Transition cross slope	W1104 W1105	7584034.60 7584030.47	18444000.27 18444000.26	
W1105	W1106	Ramp Running Slope	6	5.03	-0.67	-13.4%	0.5% to 14.4%				Length constructed must exceed 15 feet at a uniform running s	W1106	7584029.53	18444005.20	
NE Ouadn	ant - S Mai	n Street and E 6th Street													
W1401	W1402	Crosswalk Cross Slope - No Yield Condition	6		-0.04	-0.8%	0.0% to 5.0%					W1401	7584034.44	18444044.14	
W1401 W1402	W1404 W1403	Ramp Running Slope Ramp Running Slope	6	16.19 16.16	1.76 1.82	10.9%					Length constructed must exceed 15 feet at a uniform running selection to the constructed must exceed 15 feet at a uniform running selection.	W1402 W1403	7584029.44 7584030.22	18444044.07 18444060.14	
W1403	W1404	Match Existing Cross Slope	4	4.00	-0.02	-0.5%	Match Existing					W1404	7584034.22	18444060.32	
NW Ouadr	ant - S Mai	n Street and W 5th Street													
W2101	W2102	Crosswalk Cross Slope - No Yield Condition	6	5.08	0.12	2.4%	0.0% to 5.0%					W2101	7584427.42	18444023.07	1066.86
W2101 W2101	W2103 W2105	Ramp Cross Slope Ramp Running Slope	6	5.00 18.52	0.09	1.8%	0.1% to 2.0% 0.5% to 8.3%	Yes Yes				W2102 W2103	7584432.42 7584432.42	18444023.89 18444023.08	
W2102	W2103	Sidewalk Running Slope	4	0.82	-0.03	-3.7%	0.5% to 5.0%					W2104	7584432.43	18444004.56	1068.34
W2103 W2104	W2104 W2105	Ramp Running Slope Match Existing Cross Slope	6	18.52	1.39 0.03	7.5% 0.6%	0.5% to 8.3% Match Existing					W2105	7584427.43	18444004.56	1068.37
NE Quadr W2401	ant - <b>S Mai</b> W2402	n Street and E 5th Street Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.02	-0.4%	0.0% to 5.0%					W2401	7584430.78	18444052.19	1066.91
W2401	W2404	Ramp Running Slope	6	22.84	0.85	3.7%	0.5% to 8.3%					W2402	7584425.78	18444052.10	
W2402 W2403	W2403 W2404	Ramp Running Slope Match Existing Cross Slope	6	23.02	0.88 -0.01	3.8%	0.5% to 8.3% Match Existing					W2403 W2404	7584426.77 7584430.77	18444075.02 18444075.02	
All 1 0		Character and III 4th Character													
NW Quadr W3101	w3102	n Street and W 4th Street Crosswalk Cross Slope - No Yield Condition	6	5.00	0.03	0.6%	0.0% to 5.0%					W3101	7584793.93	18444029.08	1067.28
W3101 W3102	W3104 W3103	Ramp Running Slope Ramp Running Slope	6	18.80 18.80	1.10	5.9% 5.5%	0.5% to 8.3% 0.5% to 8.3%					W3102 W3103	7584798.93 7584798.98	18444029.19 18444010.39	
W3103	W3104	Match Existing Cross Slope	4	4.00	0.03	0.8%	Match Existing					W3104	7584794.98	18444010.38	
NE Ouede	ant C Mai	n Street and E 4th Street													
W3401	W3402	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.13	-2.6%	0.0% to 5.0%					W3401	7584797.61	18444061.74	
W3401 W3402	W3404 W3403	Ramp Running Slope Ramp Running Slope	6	20.45	0.08	0.4%	0.5% to 8.3% 0.5% to 8.3%					W3402 W3403	7584792.61 7584793.56	18444061.71 18444082.18	
W3403	W3404	Match Existing Cross Slope	4	4.00	-0.03	-0.7%						W3404	7584797.56	18444082.19	
NW Ouado	ant - S Mai	n Street and W 3rd Street													
W4101	W4102	Ramp Running Slope	6	2.21	0.15	6.9%						W4101	7585144.51	18444016.59	
W4101 W4102	W4111 W4103	Crosswalk Cross Slope - Yield Condition Ramp Running Slope	6	5.00 4.36	-0.05 -0.05	-1.0%	0.0% to 2.0% 0.5% to 8.3%					W4102 W4103	7585146.72 7585146.64	18444016.63 18444020.99	
W4102	W4106	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					W4104	7585151.59	18444023.43	1069.09
W4102 W4103	W4110 W4104	Landing/Turning Space Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.03 0.01	-0.5% 0.2%	0.1% to 2.0% 0.0% to 5.0%					W4105 W4106	7585151.64 7585151.72	18444021.08 18444016.72	
W4103	W4105	Ramp Cross Slope	6	5.00	0.05	1.0%	0.1% to 2.0%					W4107	7585155.77	18444016.80	1069.37
W4104 W4105	W4105 W4106	Sidewalk Running Slope Ramp Running Slope	6	2.35 4.36	0.04	1.8%	0.5% to 5.0% 0.5% to 8.3%					W4108 W4109	7585155.86 7585151.81	18444011.80 18444011.72	
W4106	W4107	Sidewalk Running Slope	4	4.05	0.16	4.0%						W4110	7585146.81	18444011.63	
W4106	W4109	Landing/Turning Space	4	5.00	-0.03	-0.5%						W4111	7585144.55	18444011.59	1068.93
W4107 W4108	W4108 W4109	Match Existing Cross Slope Sidewalk Running Slope	4	5.00 4.05	0.00	-4.6%		Yes							
W4109	W4110	Landing/Turning Space	4	5.00	-0.08	-1.5%									
W4110	W4111	Ramp Running Slope	6	2.26	-0.18	-7.9%	0.5% to 8.3%	Yes							+
															+
															+
															+

# SIDEWALK COMPLIANCE

See S Sheets

\* Does not include curb

Point	to Point	Sidewalk Designation	_" PCC Sidewall	Distance*	* Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY:  VALUES USED TO DETERMINE DESIGNED SLOPES				
			2	FT	FT	%	Pos. or Neg.	Quadrant?				Point	Northing	Easting	Elevation	
		in Street and W 3rd Street		17.40	0.24	4 40/	0.5% +- 0.2%					14204	7505104.64	10111021 76	1050 24	
W4201 W4201	W4202 W4208	Ramp Running Slope Ramp Cross Slope	6	17.49 5.00	0.24 0.03	1.4% 0.5%						W4201 W4202	7585104.64 7585104.97	18444034.76 18444017.27	1069.24	
W4201	W4209	Crosswalk Cross Slope - No Yield Condition	6	5.11	-0.01	-0.2%	0.0% to 5.0%					W4203	7585115.39	18444017.47	1069.06	
W4202	W4203	Ramp Running Slope	6		-0.42	-4.0%						W4204	7585115.53	18444012.47	1069.06	
W4202 W4202	W4205 W4207	Landing/Turning Space Landing/Turning Space	4	5.00	0.07 0.05	1.4%						W4205 W4206	7585105.06 7585100.06	18444012.27 18444012.18		
W4203	W4204	Crosswalk Cross Slope - Yield Condition	6		0.00	0.0%						W4207	7585099.97	18444017.18		
W4204	W4205	Ramp Running Slope	6		0.49	4.7%						W4208	7585099.64	18444034.66		
W4205 W4206	W4206 W4207	Match Existing Cross Slope  Match Existing Cross Slope	4	5.00	0.02 -0.04	-0.8%						W4209	7585099.62	18444035.58	1069.23	
W4207	W4208	Ramp Running Slope	6		-0.26	-1.5%	0.5% to 8.3%									
W4208	W4209	Sidewalk Running Slope	4	0.91	-0.04	-3.8%	0.5% to 5.0%									
SE Quadr	ant - S Ma	in Street and E 3rd Street														
W4301	W4302	Crosswalk Cross Slope - No Yield Condition	6		-0.01	-0.2%						W4301	7585103.49	18444068.43	1069.51	
W4301 W4301	W4303 W4309	Ramp Cross Slope Ramp Running Slope	6		0.02 0.43	0.4% 2.4%						W4302 W4303	7585098.50 7585098.49	18444067.48 18444068.34		
W4301 W4302	W4303	Sidewalk Running Slope	4		0.03	3.5%						W4304	7585098.14	18444086.78		
W4303	W4304	Ramp Running Slope	6	18.45	0.49	2.7%	0.5% to 8.3%					W4305	7585098.05	18444091.78	1070.08	
W4304 W4304	W4305 W4309	Match Existing Cross Slope	4	5.00	0.06 -0.08	1.2%						W4306 W4307	7585103.05 7585113.51	18444091.88 18444092.07		
W4304 W4305	W4309 W4306	Landing/Turning Space Landing/Turning Space	4	5.00	-0.08	-1.5%						W4308	7585113.69	18444087.08	1069.85	
W4306	W4307	Ramp Running Slope	6	10.47	-0.15	-1.5%	0.5% to 8.3%					W4309	7585103.14	18444086.88		
W4306	W4309	Landing/Turning Space	6		-0.06	-1.2%										
W4307 W4308	W4308 W4309	Crosswalk Cross Slope - Yield Condition Ramp Running Slope	6		-0.09 0.18	-1.8% 1.8%	0.0% to 2.0% 0.5% to 8.3%									
NE Quadr	ant - S Ma	in Street and E 3rd Street														
W4401	W4402	Ramp Running Slope	6		0.24	6.2%						W4401	7585144.83	18444083.52	1069.81	
W4401 W4401	W4410 W4411	Ramp Cross Slope Crosswalk Cross Slope - No Yield Condition	6		0.04 -0.04	0.8% -0.7%						W4402 W4403	7585144.76 7585142.33	18444087.38 18444087.34	1070.05	
W4401 W4402	W4403	Ramp Running Slope	6		-0.17	-6.9%						W4404	7585142.33	18444092.33		
W4402	W4405	Landing/Turning Space	4	5.00	0.08	1.5%						W4405	7585144.66	18444092.38	1070.12	
W4402 W4403	W4409 W4404	Landing/Turning Space Crosswalk Cross Slope - Yield Condition	6	5.00	0.08	1.5%						W4406 W4407	7585149.66 7585155.19	18444092.47 18444092.58	1070.20	
W4404	W4404 W4405	Ramp Running Slope	6		0.16	3.3%						W4407 W4408	7585155.28	18444087.58		
W4405	W4406	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					W4409	7585149.76	18444087.47	1070.12	
W4406	W4407	Sidewalk Running Slope	4		0.22	4.0%						W4410	7585149.83	18444083.62 18444081.64		
W4406 W4407	W4409 W4408	Landing/Turning Space  Match Existing Cross Slope	4	5.00	-0.08 -0.08	-1.5% -1.6%						W4411	7585149.87	18444081.64	1069.77	
W4408	W4409	Sidewalk Running Slope	4		-0.22	-3.9%										
W4409	W4410	Ramp Running Slope	6	0.00	-0.27	-7.1%										
W4410	W4411	Sidewalk Running Slope	4	1.98	-0.08	-4.0%	0.5% to 5.0%									
		in Street and W 2nd Street	_		2.21		0.5% : 0.5%						7505510.05	40444005 5=	1050 55	
W5101 W5101	W5102 W5112	Ramp Running Slope Crosswalk Cross Slope - Yield Condition	6	0.100	0.34 -0.05	5.5% -0.8%						W5101 W5102	7585518.22 7585524.40	18444026.97 18444027.09		
W5101	W5112	Ramp Running Slope	6		-0.36	-6.3%						W5102	7585524.29	18444032.86	1069.97	
W5102	W5105	Landing/Turning Space	4	6.00	-0.06	-1.0%	0.1% to 2.0%					W5104	7585530.29	18444032.97	1069.95	
W5102 W5103	W5111 W5104	Landing/Turning Space Crosswalk Cross Slope - No Yield Condition	6		-0.06 -0.02	-1.0% -0.3%						W5105 W5106	7585530.40 7585534.48	18444027.20 18444027.28		
W5103	W5104 W5105	Ramp Running Slope	6		0.32	5.6%						W5106	7585534.48	18444027.28		
W5105	W5106	Sidewalk Running Slope	4	4.08	-0.08	-2.0%	0.5% to 5.0%					W5108	7585530.51	18444021.20	1070.36	
W5105	W5108	Landing/Turning Space	4		0.09	1.5%						W5109	7585530.67	18444012.90		
W5106 W5107	W5107 W5108	Match Existing Cross Slope Sidewalk Running Slope	4		0.13 0.04	2.2%						W5110 W5111	7585524.67 7585524.51	18444012.79 18444021.09		
W5108	W5109	Sidewalk Running Slope	4	8.31	-0.14	-1.7%	0.5% to 5.0%					W5112	7585518.34	18444020.97		
W5108	W5111	Landing/Turning Space	4		-0.09	-1.5%										
W5109 W5110	W5110 W5111	Match Existing Cross Slope Sidewalk Running Slope	4		-0.23 0.28	-3.8% 3.4%										
W5111	W5112	Ramp Running Slope	6		-0.33	-5.4%										

ENGLISH DESIGN TEAM IOWA DOT \ HR Green, Inc.

DALLAS COUNTY PROJECT NUMBER STP-210-1(3)--2C-25

SHEET NUMBER \$.20

# SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb  1 Staking required by Contracting Authority per Article 2511.03 of the Standard Specification 2 Refer to tabulation 113-01 for bid quantities.

Point to Point	Sidewalk Designation	_" PCC Sidewalk 2 Distance*	* Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured	Remarks		FOR INFORMATION ONLY:  VALUES USED TO DETERMINE DESIGNED SLOPES				
			FT	%	Pos. or Neg.		%			Poin	Northing	Easting	Elevati	
<b>SW Quadrant - S Ma</b> W5201 W5202	in Street and W 2nd Street  Crosswalk Cross Slope - Yield Condition	6 6.0	0 -0.09	-1.5%	0.0% to 2.0%					W5201	7585481.17	18444026.26	1069.	
W5201 W5202	Ramp Running Slope	6 5.4		6.9%	0.5% to 8.3%					W5202	7585481.29	18444020.26		
W5202 W5203	Ramp Running Slope	6 5.4	8 0.38	6.9%	0.5% to 8.3%					W5203	7585475.81	18444020.16	1070.	
W5203 W5204	Sidewalk Running Slope	4 8.3		-3.0%	0.5% to 5.0%					W5204	7585475.97	18444011.80		
W5203 W5207 W5203 W5215	Landing/Turning Space Landing/Turning Space	4 8.5 4 6.0		1.5%	0.1% to 2.0% 0.1% to 2.0%					W5205 W5206	7585471.38 7585471.24	18444011.72 18444019.07		
W5203 W5213	Match Existing Cross Slope	4 4.5		5.9%	Match Existing					W5207	7585467.23	18444020.00		
W5205 W5206	Sidewalk Running Slope	4 7.3		0.6%	0.5% to 5.0%					W5208	7585462.53	18444019.91		
W5207 W5208	Sidewalk Running Slope	4 4.6		3.0%	0.5% to 5.0%					W5209	7585462.42	18444025.91		
W5207 W5210 W5208 W5209	Landing/Turning Space Match Existing Cross Slope	4 6.0		-1.5% -2.5%	0.1% to 2.0%  Match Existing					W5210 W5211	7585467.11 7585467.01	18444026.00 18444031.55		
W5209 W5210	Sidewalk Running Slope	4 4.6		-1.7%	0.5% to 5.0%					W5212	7585472.99	18444032.70		
W5210 W5211	Ramp Running Slope	6 5.5		-5.4%	0.5% to 8.3%					W5213	7585473.01	18444031.66		
W5210 W5215	Landing/Turning Space Crosswalk Cross Slope - No Yield Condition	4 8.5 6 6.1		0.6%	0.1% to 2.0%					W5214	7585473.11	18444026.11		
W5211 W5212 W5211 W5213	Ramp Cross Slope - No Yield Condition	6 6.1		0.3% 0.8%	0.0% to 5.0% 0.1% to 2.0%					W5215	7585475.71	18444026.16	1070.	
W5212 W5213	Sidewalk Running Slope	4 1.0		2.9%	0.5% to 5.0%									
W5213 W5214	Ramp Running Slope	6 5.5	5 0.29	5.1%	0.5% to 8.3%									
	in Street and E 2nd Street													
W5301 W5302	Ramp Running Slope	6 6.0		4.8%	0.5% to 8.3%					W5301	7585465.41	18444085.52		
W5301 W5312 W5301 W5313	Ramp Cross Slope Crosswalk Cross Slope - No Yield Condition	6 6.0		1.5% 0.6%	0.1% to 2.0% 0.0% to 5.0%					W5302 W5303	7585465.29 7585456.54	18444091.56 18444091.40		
W5302 W5303	Sidewalk Running Slope	4 8.7		2.0%	0.5% to 5.0%					W5304	7585456.36	18444091.40		
W5302 W5305	Landing/Turning Space	4 6.0		1.0%	0.1% to 2.0%					W5305	7585465.18	18444097.56		
W5302 W5311	Landing/Turning Space	4 6.0		-1.0%	0.1% to 2.0%					W5306	7585465.06	18444104.38		
W5303 W5304	Match Existing Cross Slope	4 6.0		2.2%	Match Existing					W5307	7585471.05	18444104.53		
W5304 W5305 W5305 W5306	Sidewalk Running Slope Sidewalk Running Slope	4 8.8		-2.8% 3.5%	0.5% to 5.0% 0.5% to 5.0%					W5308 W5309	7585471.18 7585478.42	18444097.67 18444097.81		
W5305 W5308	Landing/Turning Space	4 6.0		-1.0%	0.1% to 2.0%					W5310	7585478.82	18444091.81		
W5306 W5307	Match Existing Cross Slope	4 6.0		-7.5%	Match Existing					W5311	7585471.29	18444091.67	1070.	
W5307 W5308	Sidewalk Running Slope	4 6.8	_	2.2%	0.5% to 5.0%					W5312	7585471.41	18444085.64		
W5308 W5309	Ramp Running Slope	6 7.2		-4.7%	0.5% to 8.3%					W5313	7585471.42	18444084.79	1070.	
W5308 W5311 W5309 W5310	Landing/Turning Space Crosswalk Cross Slope - Yield Condition	4 6.0 6 6.1		-1.0% -0.3%	0.1% to 2.0% 0.0% to 2.0%									
W5310 W5311	Ramp Running Slope	6 7.5		4.0%	0.5% to 8.3%									
W5311 W5312	Ramp Running Slope	6 6.0	4 -0.14	-2.3%	0.5% to 8.3%									
W5312 W5313	Sidewalk Running Slope	4 6.8	9 -0.05	-0.7%	0.5% to 5.0%									
NE Quadrant - S Ma W5401 W5402	in Street and E 2nd Street Ramp Running Slope	6 6.0	0 0.30	4.9%	0.5% to 8.3%					W5401	7585522.82	18444086.57	1070.	
W5401 W5412	Crosswalk Cross Slope - No Yield Condition	6 6.1		-1.3%	0.0% to 5.0%					W5401	7585522.71	18444092.57		
W5402 W5403	Ramp Running Slope	6 6.1		-2.7%	0.5% to 8.3%					W5403	7585516.57	18444092.46		
W5402 W5405	Landing/Turning Space	4 6.0		-1.0%	0.1% to 2.0%					W5404	7585516.17	18444098.45		
W5402 W5411	Landing/Turning Space Chasswalk Chass Slane Viold Condition	4 6.0		-0.8%	0.1% to 2.0%					W5405	7585522.60	18444098.57		
W5403 W5404 W5404 W5405	Crosswalk Cross Slope - Yield Condition Ramp Running Slope	6 6.1		-1.6% 3.2%	0.0% to 2.0% 0.5% to 8.3%					W5406 W5407	7585522.47 7585528.47	18444105.23 18444105.35		
W5405 W5406	Sidewalk Running Slope	4 6.6		-4.0%	0.5% to 5.0%					W5408	7585528.60	18444098.68		
W5405 W5408	Landing/Turning Space	4 6.0	0.06	1.0%	0.1% to 2.0%					W5409	7585534.32	18444098.79	1070.	
W5406 W5407	Match Existing Cross Slope	4 6.0		4.3%	Match Existing					W5410	7585534.43	18444092.79		
W5407 W5408 W5408 W5409	Sidewalk Running Slope Sidewalk Running Slope	4 6.6		1.0%	0.5% to 5.0% 0.5% to 5.0%					W5411   W5412	7585528.71 7585528.82	18444092.69 18444086.53		
W5408 W5411	Landing/Turning Space	4 6.0		-0.8%	0.1% to 2.0%					W3412	7,303,320,82	10-7-4000.33	10/0.	
W5409 W5410	Match Existing Cross Slope	4 6.0	0 -0.17	-2.8%	Match Existing									
W5410 W5411	Sidewalk Running Slope	4 5.7	2 0.05	0.8%	0.5% to 5.0%									
W5411 W5412	Ramp Running Slope	6 6.1	6 -0.33	-5.3%	0.5% to 8.3%									
	in Street and N 3rd Street	4 5.0	0 -0.08	1 50/	0.1% to 2.0%					W6101	7586996.70	18444066.13	1063.	
W6101 W6102 W6101 W6106	Landing/Turning Space Crosswalk Cross Slope - No Yield Condition	6 10.3		-1.5% -0.5%	0.1% to 2.0% 0.0% to 5.0%					W6101	7587000.53	18444062.92		
W6102 W6103	Ramp Running Slope	6 8.0		-5.1%	0.5% to 8.3%					W6103	7587006.66	18444057.78		
W6102 W6105	Landing/Turning Space	4 8.0	0 -0.09	-1.1%	0.1% to 2.0%					W6104	7587001.52	18444051.65	1062	
W6103 W6104	Match Existing Cross Slope	4 8.0		-1.4%	Match Existing					W6105	7586995.39	18444056.79		
W6104 W6105 W6105 W6106	Ramp Running Slope Landing/Turning Space	6 8.0 4 11.5		5.3%	0.5% to 8.3% 0.1% to 2.0%					W6106	7586986.53	18444064.22	1062.	
		. 1113		2.570	2123 23 21070									
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