ADA ACCESSIBLE SIDEWALK
NHSN-030-8(56)—2R-16

LETTING DATE
January 17, 2024

CEDAR COUNTY

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

CEDAR COUNTY

ADA ACCESSIBLE SIDEWALK

US 30 IN CLARENCE
FROM WCL TO ECL

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

Refer to Sheet A.2 for Project Location Map

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

REVISIONS

TOTAL
..
PROJECT IDENTIFICATION NUMBER
20-16-030-020
PROJECT NUMBER
NHSN-030-8(56)—2R-16
R.O.W. PROJECT NUMBER
NHSN-030-8(57)—2R-16

INDEX OF SHEETS

INDEX OF SEALS

SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	ANDY S. FLOY	Primary Signature Block	

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER
ANDY S. FLOY
22743
IOWA

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

Signature Date
ANDY S. FLOY
Printed or Typed Name
My license renewal date is December 31, 2024

Pages or sheets covered by this seal: ALL SHEETS
X

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER A.1	

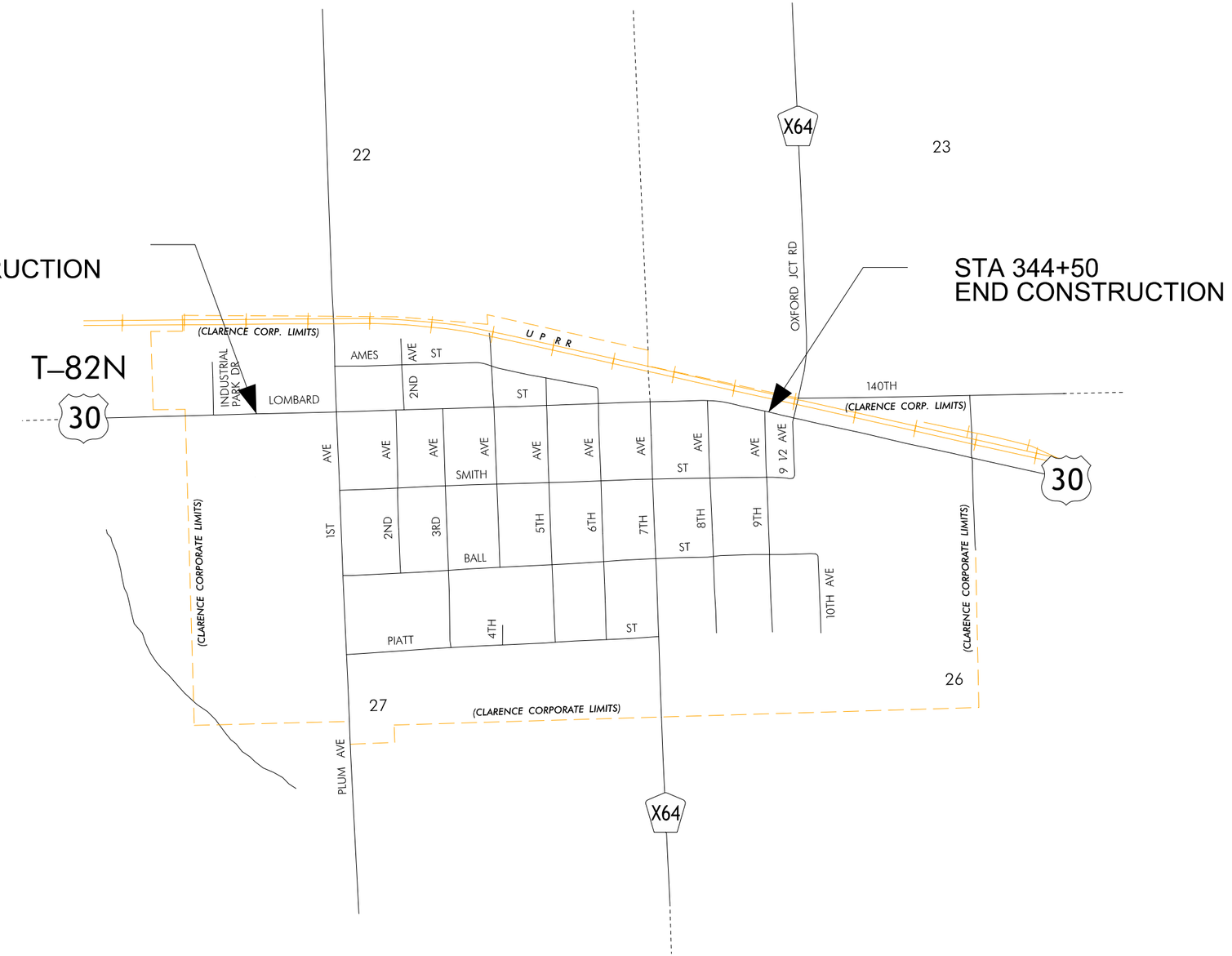
3:10:16 PM 11/1/2023 jlp3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1603002020\Design\CADD_Files\Sheet_Files\SHT_16030056_A01.dgn

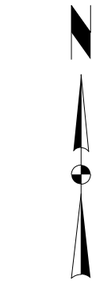
R–2W

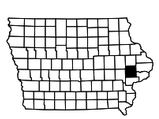
STA. 300+00
BEGIN CONSTRUCTION

STA 344+50
END CONSTRUCTION

T–82N







LOCATION MAP SCALE
0 0.1 0.2 0.3
Miles

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER A.2	X

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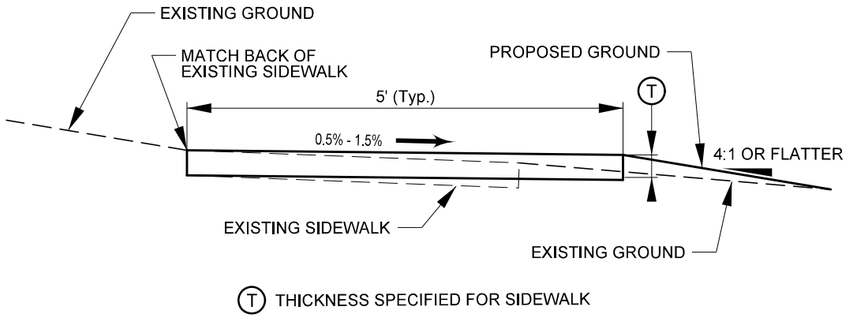
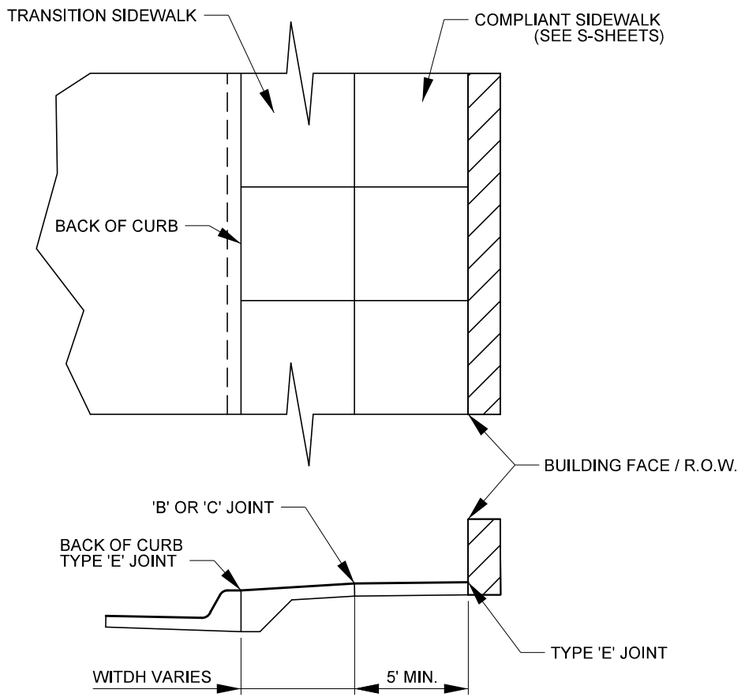


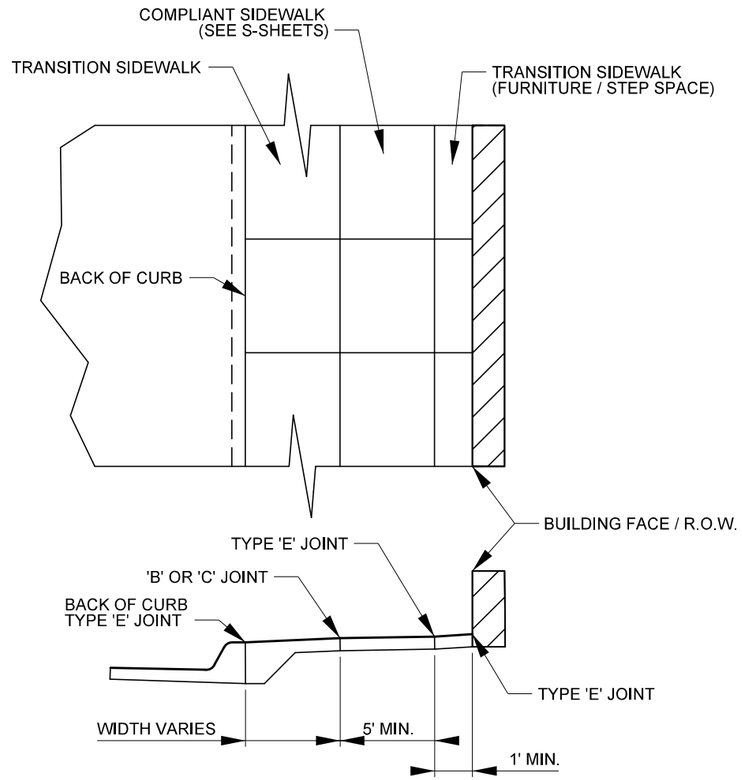
SIDEWALK TYPICAL SECTION

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER B.1	

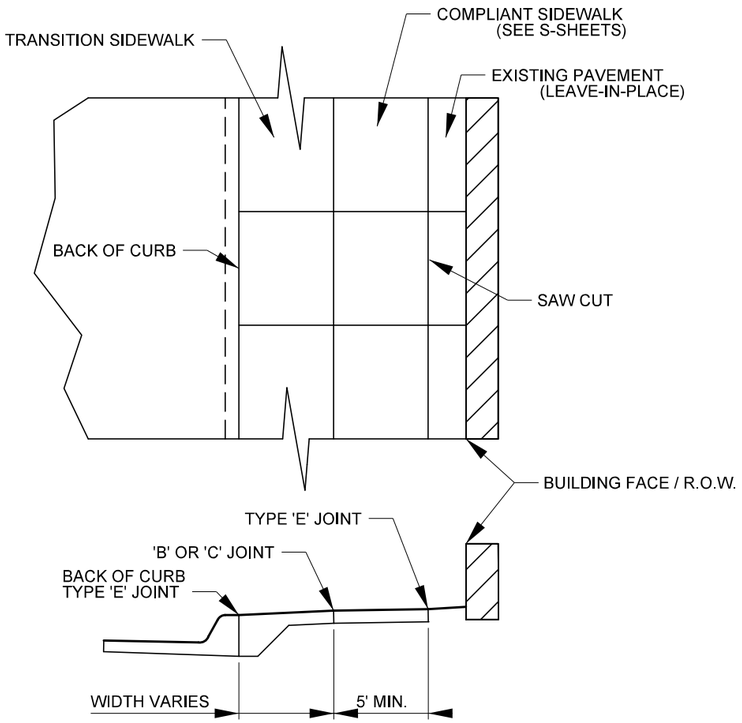
1:20:28 PM 11/1/2023 jlp3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1603002020\Design\CADD_Files\Sheet_Files\SHT_16030056_B.dgn



DETAIL A

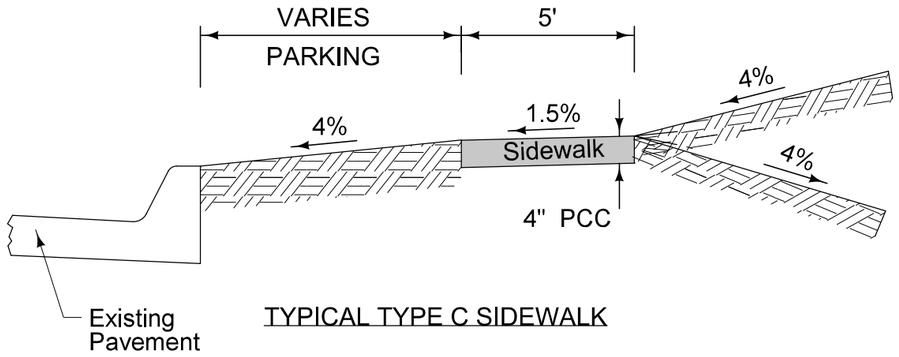


DETAIL B

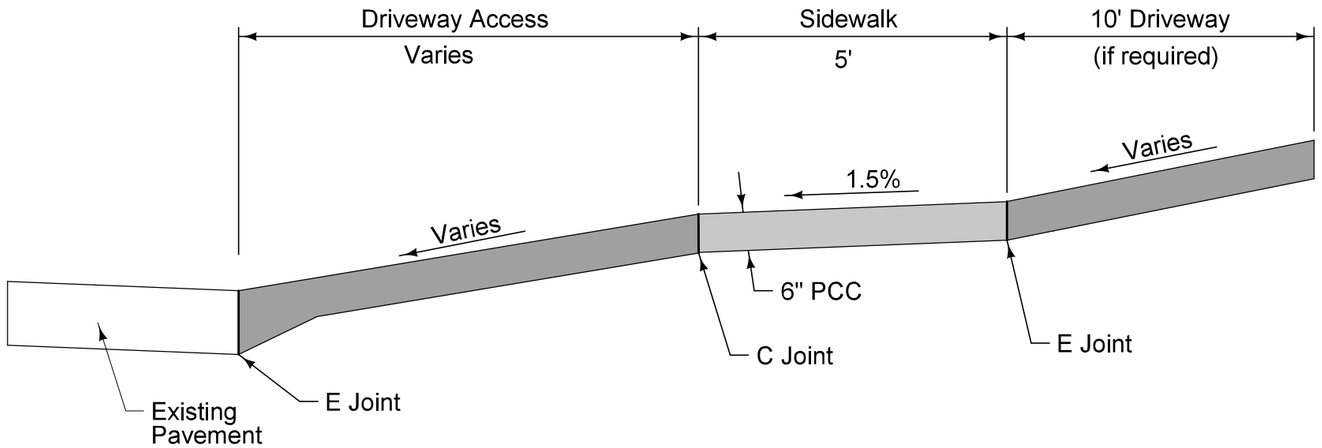


DETAIL C

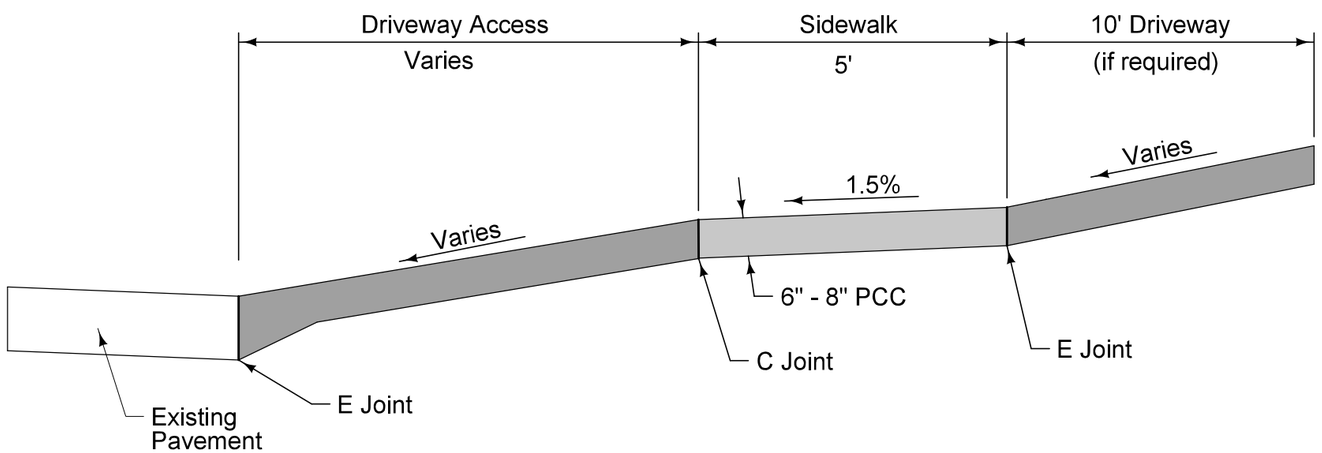
	SLOPE
COMPLIANT SIDEWALK	0.5%-1.5%, 2% MAX
TRANSITION SIDEWALK	VARIES



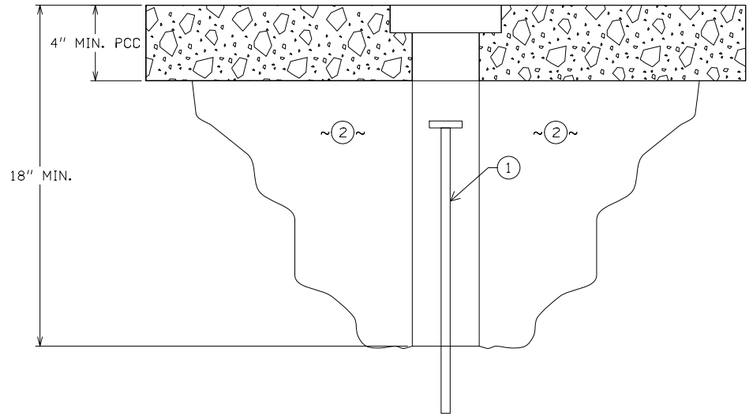
TYPICAL TYPE C SIDEWALK



Typical Type C Driveway Access and Sidewalk Detail



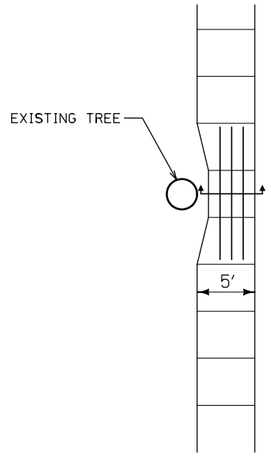
Typical Type B Driveway Access and Sidewalk Detail



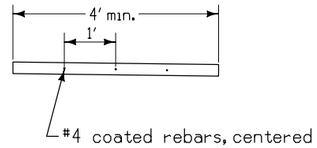
VALVE BOX ENCASED IN PCC SIDEWALK OR DRIVEWAY FOR CURB STOP ADJUSTMENT DETAIL

Notes:

1. Curb Stop to be Adjusted Below Sidewalk Elevation. Min of 3 Inch Clearnace to Top of Valve Box Lid. Coordinate All ADjustments with Owner.
2. Sand Fill Compacted to 95% Standard Proctor.

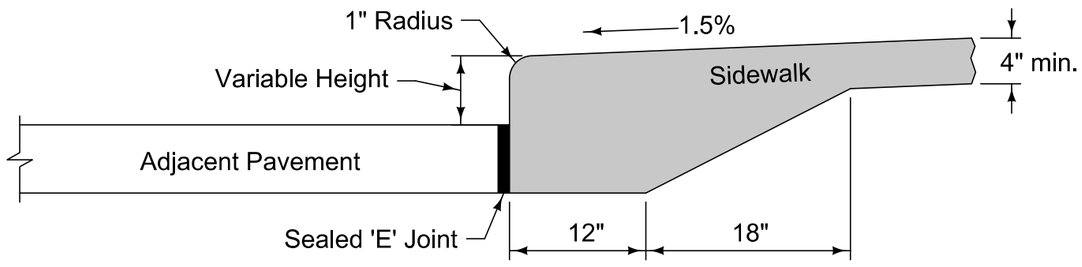


DETAIL OF REINFORCED SIDEWALK TO AVOID EXISTING TREES OR OTHER OBSTRUCTIONS

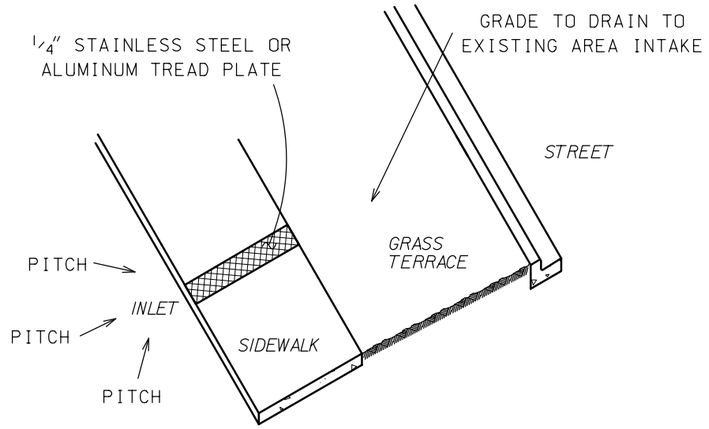


NOTES:

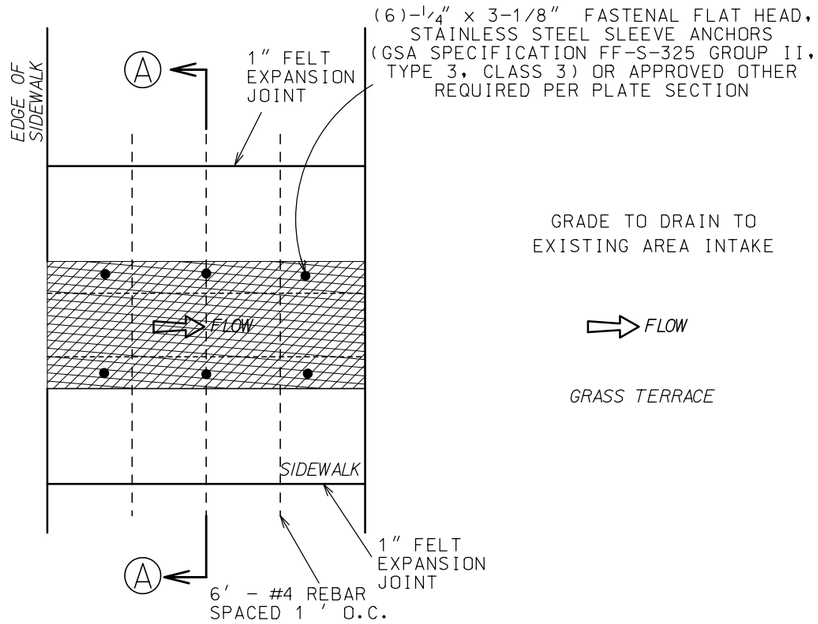
1. Contractor shall maintain proposed edge of walk alignment unless approved by the Engineer.
2. Minimum 4' panel lengths.
3. All additional materials and labor are incidental to sidewalk bid item.
4. Utilize detail when existing edge of tree or root systems do not allow for 5' sidewalk.
5. Rebar shall not be placed on grade or dropped into plastic concrete.



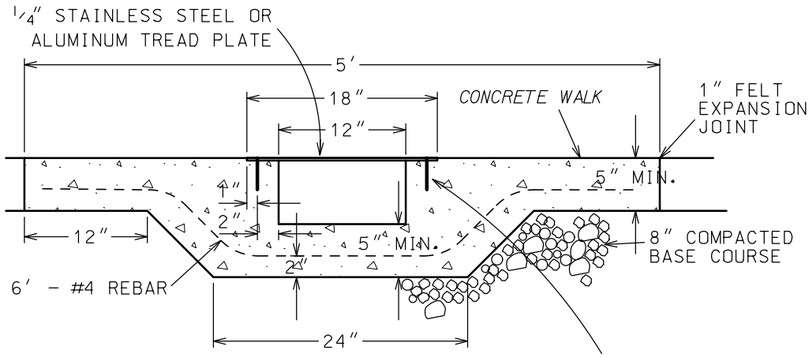
COMBINATION SIDEWALK AND CURB DETAIL



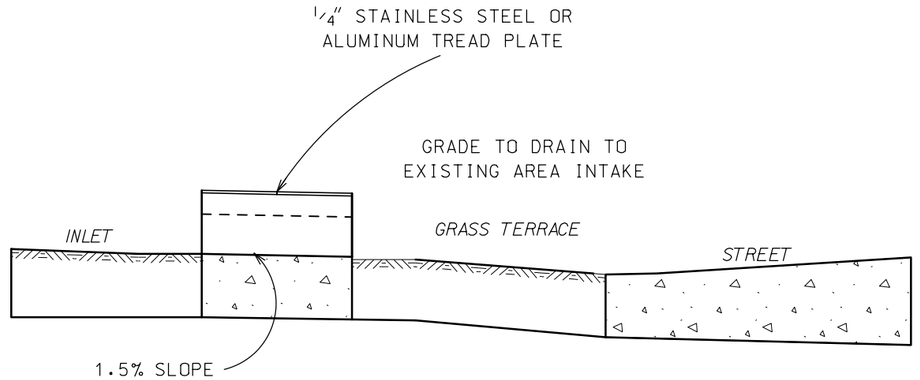
ISOMETRIC VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

(6)-1/4" x 3-1/8" FASTENAL FLAT HEAD, STAINLESS STEEL SLEEVE ANCHORS (GSA SPECIFICATION FF-S-325 GROUP II, TYPE 3, CLASS 3) OR APPROVED OTHER REQUIRED PER PLATE SECTION

SIDEWALK FLUME

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER B.5

12:56:02 PM 11/2/2023 jlp3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1603002020\Design\CADD_Files\Sheet_Files\SHT_16030056_B.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Reference Notes
1	2101-0850002	CLEARING AND GRUBBING	UNIT	388	"All wood material generated as a result of Clearing and Grubbing must be disposed of according to Iowa Department of Agriculture and Land Stewardship Emerald Ash Borer Quarantine Order. For more information see www.iowatreepests.com." Refer to tabulation 110-17 for locations.
2	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	116.7	Item is for the excavation of existing non-paved drives, areas where sidewalk is being constructed where there is no existing sidewalk, sidewalk widening, and for lowering grades between the sidewalk and back of curb.
3	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	70	Bid item included to be used for backfilling adjacent to the sidewalk after form removal.
4	2111-8174100	GRANULAR SUBBASE	SY	502.6	Refer to Modified Retaining Wall drawing in U-Sheets. Refer to Note 1 on tabulation 113-1. Item is for 4 inch granular subbase for sidewalks adjacent to Modified Retaining Wall locations.
5	2315-8275030	SURFACING, DRIVEWAY, CLASS C GRAVEL	TON	3.4	Item is for shaping at drives where PCC is meeting existing gravel drives. Refer to tabulation 102-3 for locations.
6	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	40	Item is for the placement of pedestrian hand railing at concrete stairs locations. See Type B Typical Drawing on sheet U.3. Refer to tabulation 108-15.
7	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	4	Refer to tabulation 104-10.
8	2510-6745850	REMOVAL OF PAVEMENT	SY	411.7	This item covers the removal of 2.5' curb & gutter sections where proposed pedestrian ramps and paved driveways require new openings. Refer to Tabulation 110-1.
9	2511-6745900	REMOVAL OF SIDEWALK	SY	3,430.3	A. Refer to Tab. 110-5. B. Includes 1120.4 lin. ft. of full depth saw cut. See traffic control plan for pedestrian staging or closings
10	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	3,404.9	Refer to tabulation 113-1 Refer to tabulation 290-01 for sidewalk compliance details See tyical sections in B-sheets. Standard sidewalk width is 5 feet, minimum width is 4 feet. Contractor may reduce the sidewalk width to 4 feet to avoid obstacles as needed. See S Sheets for additional details Detectable warnings shall be cast iron.
11	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	821.1	
12	2511-7528101	DETECTABLE WARNINGS	SF	440	
13	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	1,482.1	Refer to tabulation 112-4
14	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	518.2	Refer to Tabulation 102-3
15	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	1,004.7	
16	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	1,535	A. Refer to Tabulation 110-8 B. Requires 721.5 linear foot of full depth saw cut.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
17	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	7	Refer to Tabulation 190-61. The Contractor shall remove each sign and the hardware used to secure the sign to another sign, posts, or sign support structure. For signs mounted directly to posts, removal of the sign shall include removal of the posts. Posts may be either wood posts or steel breakaway sign posts. The removal of concrete footings for steel breakaway sign posts will be measured and paid for separately. Holes remaining from the removal of wood posts shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with Article 2402.09 of the Standard Specifications. All steel posts removed shall become the property of the Contractor. Unless otherwise noted, wood posts removed shall remain the property of DOT. The Contractor shall deliver the wood posts to a DOT storage area within 50 miles, as designated by the Engineer. **The existing sign shall be removed and stored. The Contractor shall remove the sign and transport it to a DOT storage area within 50 miles, as designated by the Engineer. The Contractor shall transport the sign back to the job site when ready for reinstallation. The Contractor shall furnish all necessary hardware to install the signs. When the new installation is similar to the original installation, unless otherwise noted, the existing hardware may be used to reinstall the sign. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials shall be new. The DOT will furnish all details necessary for fabrication of the replacement materials. METHOD OF MEASUREMENT: The Engineer will count each sign removed and reinstalled. BASIS OF PAYMENT: For each sign removed and reinstalled, the Contractor shall be paid the contract unit price.
18	2526-8285000	CONSTRUCTION SURVEY	LS	1	Refer to TC-283 for traffic control layout. Staking in the S Sheets is incidental to Construction Survey. 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.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.
19	2528-8445110	TRAFFIC CONTROL	LS	1	Refer to Traffic Control Plan on Sheet J.1
20	2533-4980005	MOBILIZATION	LS	1	--
21	2599-9999003	('CUBIC YARDS' ITEM) Concrete Stairs	CY	5.4	Refer to Tabulation 108-15. Refer to D-sheets for locations. Refer to Typical Detail on sheet U.3. Unit price includes all equipment, labor, and necessary materials to construct Concrete Stairs The quantity of concrete stairs constructed shall be determined by cubic yard. The Contractor will be paid the contract unit price for each cubic yard of concrete stairs constructed. Incidental to this bid item is excavation and foundation preparation, furnishing and placing concrete and refinforcing steel, and joint material.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
22	2599-9999003	('CUBIC YARDS' ITEM) Modified Retaining Wall and Footing	CY	43.9	Refer to Tabulation 108-16 for locations. Refer to D-sheets for location and elevation information. Refer to typical details on sheets U.1-U.2. Unit price includes all equipment, labor, and materials necessary to construct Modified Retaining Wall and Footing. The quantity of retaining wall and footing installed shall be determined by cubic yard. The Contractor will be paid the contract unit price for each cubic yard of retaining wall constructed. Incidental to this bid item is excavation and foundation preparation, furnishing and placing concrete and reinforcing steel, joint material, subdrain, porous backfill, suitable backfill material, finishing disturbed areas, shoring as needed.
23	2599-9999005	('EACH' ITEM) Sidewalk Flume	EACH	1	This item is for the installation of sidewalk flume at 301 9th Avenue. Refer to typical detail on sheet B.5 and D-sheets for locations and details. Unit price includes all equipment, labor, and materials necessary to install sidewalk flume. The quantity of sidewalk flumes installed shall be determined by count. The Contractor will be paid the contract unit price for each sidewalk flume installed. Incidental to this bid item is removal of existing tile or flume structure at location of sidewalk flume.
24	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	2.8	Apply Bonded Fiber Matrix as the mulch for all areas designated as "Seeding and Fertilizing (Urban)". Apply seed and fertilizer for the area to be covered before applying Bonded Fiber Matrix Mulch. Apply Bonded Fiber Matrix Mulch at a rate of a minimum of 3000 pounds per acre.
25	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	1.4	For all areas designated by the Engineer. Prepare seedbed, fertilize, and seed according to Article 2601.03, C, 4, of the Standard Specifications. Use ground driven equipment.
26	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	1.4	Item is included for disturbed areas as directed by the Engineer. Seed and fertilize all urban disturbed areas according to Article 2601.03, C, 2, of the Standard Specifications.
27	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	5,390	Refer to Tab. 100-19 on sheet RC.3. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 9 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements. Use Perimeter and Slope Sediment Control Devices fabricated using wood excelsior.
28	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	5,390	Refer to Tab. 100-19 on sheet RC.3. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 9 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements. Use Perimeter and Slope Sediment Control Devices fabricated using wood excelsior.
29	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	75	Refer to Tabulation 100-36 on sheet RC.2 and RR-sheets for locations.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
30	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	10	
31	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	10	
32	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	11	Refer to Tabulation 100-37 on sheet RC.2 and RR-sheets for locations.
33	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	11	
34	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	11	
35	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	3	
36	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	

100-1D
10-18-05

PROJECT DESCRIPTION

This project involves the replacement & installation of ADA compliant sidewalk and curb ramps at various intersections along US Highway 30.
The intersections are located within the city limits of Clarence in the county of Cedar.

105-4
10-18-11

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
EC-602	10-21-20	Open-Throat Curb Intake Sediment Filter
EC-604	10-17-23	Grate Intake Sediment Filter Bag
MI-210	10-20-15	PCC Driveways and Alleys
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp
PV-101	04-19-22	Joints
PV-102	04-21-20	PCC Curb Details
SI-101	04-19-16	Locations - Type 'A' Signs
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-213	04-18-23	Lane Closure with Flaggers
TC-601	10-15-19	Pedestrian Detour

111-25
10-18-11

INDEX OF TABULATIONS

110-17
04-18-17

CLEARING AND GRUBBING

Location		Work and Material Type	Trees, Stumps, and Logs and Down Timber Material Diameters												All Other Materials		Estimated Quantities			Remarks
Station to Station or Ref. Loc. Sign to Ref. Loc. Sign or Description	Direction of Travel		3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Length FT	Width FT	Units Units	Area Acres	Herbicide Application Each	
201 LOMBARD STREET		Trees - Clearing and Grubbing									1							80.0			
301 LOMBARD STREET		Trees - Clearing and Grubbing							1									29.0			
305 LOMBARD STREET		Trees - Clearing and Grubbing										1						120.0			
401 LOMBARD STREET		Trees - Clearing and Grubbing							1	1								79.0			SEE NOTE 1
302 5TH AVENUE		Trees - Clearing and Grubbing									1							80.0			
NOTE 1: SALVAGE WOOD MATERIAL TO PROPERTY OWNER																	TOTAL	388.0			

190-61
10-15-13

EXISTING SIGNS TO BE REINSTALLED

SIGN DESCRIPTION	DIRECTION OF TRAVEL	LOCATION STATION	NUMBER OF POSTS	SQUARE TUBE STEEL POSTS	WOOD POSTS 4" x 4" LF	WOOD POSTS 4" x 6" LF	INSTALLATION TYPE	INSTALLATION DIM 'X'	SEE SIGNING NOTES
EXIT ONLY		319+05.2	1.0						RE-USE POST
EXIT ONLY		319+44.8	1.0						RE-USE POST
STOP		325+34.4	1.0						RE-USE POST
STOP		329+79.8	1.0						RE-USE POST
LINCOLN HIGHWAY RT ARROW		332+55.5	1.0						RE-USE POST
LOMBARD ST/7TH AVE		334+19.5	1.0						RE-USE POST
TO IA 130 / RIGHT ARROW		336+60.2	1.0						RE-USE POST
		TOTAL	7.0						

104-10
08-01-08

ADJUSTMENT OF FIXTURES

No.	Location Station	Type of Fixture	Adjustment
1	310+50.00	SANITARY MANHOLE	MINOR ADJUSTMENT - FIELD VERIFY DURING DRIVEWAY / ALLEY CONSTRUCTION
1	313+84.00	SANITARY MANHOLE	MINOR ADJUSTMENT - FIELD VERIFY DURING DRIVEWAY / ALLEY CONSTRUCTION
1	318+46.00	SANITARY MANHOLE	MINOR ADJUSTMENT - FIELD VERIFY DURING DRIVEWAY / ALLEY CONSTRUCTION
1	322+85.00	SANITARY MANHOLE	MINOR ADJUSTMENT - FIELD VERIFY DURING DRIVEWAY / ALLEY CONSTRUCTION

108-15
08-01-08

CONCRETE STEPS AND COMBINED CONCRETE STEPS AND RETAINING WALL CONSTRUCTION

Location		Steps			Lugs	Landings		Retaining Wall	Concrete	Steel	Handrail		Remarks
Station	Side	W	H	Number Required	Number	Number	LF	Number	CY	LB	Length LF	Post Number	
328+23.10	RT	11"	6"	3		1	2.0	2	1.3	60	9.5	4	Type B
330+27.18	RT	12"	6"	3		1	2.0	2	1.3	60	10.0	4	Type B
330+67.17	RT	14"	7"	3		1	2.0	2	1.6	68	11.0	4	Type B
331+32.18	RT	11"	5.5"	3		1	2.0	2	1.2	60	9.5	4	Type B
									5.4	248	40.0		TOTALS

102-3
10-16-18

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

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

Location		Type	Length of Opening (1)			W	(1)(2) PR	(2) SR	Pipe Culvert (3)					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb				H	Size	Pipe Length	Lt.	Rt.		6" PCC	8" PCC		
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON	
301+65.74	LT		2	20.0		12.0									23.2		1.750	89 LOMBARD STREET
303+01.55	LT		1	59.5		34.0	12.5									62.7		93 LOMBARD STREET
304+47.18	RT		2	27.5		18.0									42.5			94 LOMBARD STREET
304+61.06	LT		1	59.5		34.0	12.5									62.7		93 LOMBARD STREET
305+52.44	RT		2	24.0		15.0									35.4			96 LOMBARD STREET
305+63.96	LT		2	42.0		36.0									58.5			97 LOMBARD STREET
308+60.74	LT		2	18.0		8.0									34.7			107 LOMBARD STREET
309+82.95	LT		2	46.0		36.0										66.1		115 LOMBARD STREET
310+44.66	LT		2	58.0		48.0										80.6		117 LOMBARD STREET
310+51.06	RT		2	24.5		16.0										42.4		106 LOMBARD STREET / ALLEY
313+84.04	RT		2	24.5		16.0										42.4		202 LOMBARD STREET / ALLEY
314+31.69	LT		2	20.0		10.0									34.5			203 LOMBARD STREET
314+62.68	RT		2	45.0		35.0									75.7			206 LOMBARD STREET
315+29.72	LT		2	21.0		11.0									30.5		1.680	205 LOMBARD STREET
316+96.03	LT		2	20.0		10.0									30.0			301 LOMBARD STREET
317+84.96	LT		2	18.0		10.0									29.3			303 LOMBARD STREET
318+24.89	LT		2	21.0		12.0									34.4			305 LOMBARD STREET
318+46.46	RT		2	26.0		16.0										48.6		306 LOMBARD STREET / ALLEY
319+24.99	LT		2	46.0		36.0										76.7		309 LOMBARD STREET
322+25.64	LT		2	17.5		8.0									27.2			403 LOMBARD STREET
322+90.63	RT		2	27.0		16.0										58.1		404 LOMBARD STREET / ALLEY
322+96.39	LT		2	20.0		10.0									27.6			405 LOMBARD STREET
323+62.42	LT		2	20.5		10.0									34.6			407 LOMBARD STREET
326+44.02	RT		2	48.0		45.0										44.3		502 LOMBARD STREET
327+32.63	RT		2	16.5		14.0										29.7		504/510 LOMBARD ST / ALLEY
331+74.06	RT		2	24.5		20.0										29.1		618/620 LOMBARD ST / ALLEY
332+74.33	LT		2	27.0		24.0										25.2		619 LOMBARD STREET
333+87.99	LT		2	35.0		32.0										57.0		
334+82.40	RT		2	85.0		80.0										99.1		
335+14.86	LT		2	102.0		96.0										114.4		CLARENCE FD
336+44.98	RT		2	24.0		18.0										24.2		730 LOMBARD STREET / ALLEY
341+51.51	RT		2	28.0		24.0										41.6		804 LOMBARD STREET / ALLEY
															518.2	1004.7	3.430	TOTALS

108-16
10-19-10

MODIFIED COMBINED CONCRETE SIDEWALK AND RETAINING WALL

See U-Sheets

Location			Retaining Wall			Sidewalk		Concrete		Porous Backfill	Reinforcing Steel
Station to Station		Side	Type	Height, H	Thickness	Width, W	Thickness	Retaining Wall	Footing		
				FT	FT	FT	FT	CY	CY	CY	LB
326+69.31	327+16.62	RT	B	0.9	0.5	Tab 113-1		0.8	3.9	0.5	329
327+50.00	328+20.10	RT	B	0.8 to 1.5	0.5	Tab 113-1		1.5	5.8	1.1	498
328+26.10	329+14.48	RT	B	1.4 to 0.7	0.5	Tab 113-1		1.6	7.4	1.2	619
329+83.22	330+24.19	RT	B	0.8 to 1.4	0.5	Tab 113-1		1.0	3.4	0.6	291
330+30.19	330+64.19	RT	B	1.4 to 1.7	0.5	Tab 113-1		0.9	2.8	0.9	274
330+70.19	331+29.19	RT	B	1.7 to 1.3	0.5	Tab 113-1		1.8	4.9	1.5	430
331+35.19	331+48.89	RT	B	1.4	0.5	Tab 113-1		0.4	1.1	0.3	100
331+92.76	332+58.91	RT	B	1 to 0.5	0.5	Tab 113-1		0.9	5.5	0.4	452
							TOTALS	8.9	35.0	6.5	2991

110-5
10-20-15

SIDEWALK REMOVAL

* Not a bid item

Begin Station	End Station	Area	Saw Cut*	Remarks
		SY	LF	
300+84.00	301+59.90	25.3		
301+71.58	302+84.32	40.1		
303+18.15	304+44.34	49.1		
303+21.97	303+68.76	17.2		
304+77.77	305+45.65	27.9		
304+89.83	305+44.91	20.8		
305+59.91	306+91.72	46.9		
305+82.12	307+03.17	51.1		
307+38.45	310+42.90	125.2		
307+39.14	308+56.72	49.0		
308+64.73	309+64.82	43.1		
310+59.54	312+13.06	54.6		
312+35.96	312+64.83	16.0		
312+43.68	313+76.03	52.9	3.5	
313+04.14	314+25.86	46.0	3.3	
313+91.32	314+45.21	21.6		
314+36.55	315+24.22	35.1		
314+79.52	316+15.99	65.2	3.4	
315+34.83	316+91.01	70.3		
316+41.82	318+38.58	78.7	3.9	
317+01.56	317+79.96	31.8		
317+89.86	318+22.45	14.5		
318+30.88	319+07.26	28.0		
318+54.33	320+52.62	90.3	3.8	
319+43.30	320+47.32	56.6	3.9	
320+76.36	322+21.65	55.7		
320+77.08	322+82.80	88.0	3.3	
322+29.64	322+91.39	22.6		
322+98.47	324+91.41	92.2	4.6	
323+01.39	323+57.42	19.9		
323+66.65	324+94.07	62.3	7.4	
325+28.75	326+21.52	47.4	107.0	
325+36.74	329+39.50	420.7	250.0	
326+66.57	327+25.67	58.4	29.0	
327+39.58	329+25.86	217.3	201.0	
329+71.73	332+62.33	297.1	251.0	
329+79.20	331+63.96	234.0	127.0	
331+84.00	333+37.14	127.6	83.0	
332+86.33	333+71.99	89.5		
334+03.99	334+66.99	42.7	15.0	
335+22.41	336+35.80	36.5		
335+63.18	337+01.13	75.1	5.0	
336+54.19	338+73.39	96.2	4.0	
339+16.57	341+39.62	95.4	3.7	
341+62.62	343+76.72	89.2	3.8	
344+27.72	344+36.77	9.3	3.8	9TH AVENUE
		3430.3		TOTAL

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

* Not a Bid Item

Begin Station	End Station	Side	Pavement Type	Area SY	Saw Cut* LF	Remarks
301+51.62	301+76.78	LT		7.0		
302+67.39	303+33.86	LT		18.5		
304+31.63	304+62.67	RT		8.6		
304+27.99	304+93.04	LT		18.1		
305+39.19	305+65.86	RT		7.4		
305+39.44	305+91.60	LT		14.5		
306+88.05	306+96.64	LT		2.4		
306+87.90	306+96.69	RT		2.8		
307+00.46	307+06.19	LT		2.8		
307+03.90	307+07.59	RT		2.2		
307+36.04	307+40.30	RT		2.5		
307+36.74	307+43.42	LT		2.8		
308+46.85	308+74.48	LT		7.7		
309+57.41	310+05.75	LT		13.4		
310+17.94	310+72.94	LT		15.3		
310+37.54	310+64.87	RT		7.6		
312+14.20	312+15.07	RT		2.5		
312+39.91	312+44.56	RT		2.5		
312+50.26	312+62.98	LT		3.3		
312+50.86	312+60.74	RT		2.8		
312+75.65	312+80.20	LT		2.8		
313+01.70	313+06.49	LT		2.8		
313+70.60	313+97.10	RT		7.4		
314+17.75	314+43.80	LT		7.2		
314+39.14	314+86.45	RT		13.1		
315+18.06	315+41.63	LT		6.5		
315+97.99	316+07.10	RT		2.5		
315+98.10	316+07.07	LT		2.5		
316+16.42	316+19.16	RT		2.8		
316+39.17	316+40.93	RT		2.8		
316+85.40	317+06.81	LT		5.9		
317+74.74	317+96.86	LT		6.1		
318+13.22	318+38.30	LT		7.0		
318+32.19	318+60.65	RT		7.9		
319+00.50	319+48.92	LT		13.4		
320+33.63	320+44.88	LT		3.1		
320+33.75	320+47.05	RT		3.7		
320+52.56	320+55.82	RT		2.8		
320+53.75	320+54.50	LT		2.8		
320+73.68	320+75.39	LT		2.8		
320+75.82	320+76.78	RT		2.8		
320+85.49	320+95.81	RT		2.9		
320+85.72	320+96.10	LT		2.9		
322+15.73	322+35.62	LT		5.5		
322+73.29	323+05.32	RT		8.9		
322+85.33	323+08.76	LT		6.5		
323+50.99	323+73.92	LT		6.4		
324+77.26	324+85.47	LT		2.3		
324+78.32	324+86.19	RT		2.2		
324+92.72	324+95.28	RT		2.8		
324+95.58	324+97.97	LT		2.8		
325+26.20	325+34.87	RT		3.9		
325+36.75	325+54.19	LT		5.6		
326+15.59	326+66.52	RT		14.1		
327+24.53	327+40.81	RT		4.5		
329+16.36	329+28.35	RT		5.0		
329+16.81	329+42.55	LT		8.3		
329+67.18	329+94.77	LT		8.3		
329+75.56	329+87.56	RT		5.6		
331+60.68	331+86.36	RT		7.1		
332+61.66	332+88.52	LT		7.5		
333+61.47	334+27.94	LT		18.5		
336+32.60	336+57.12	RT		6.8		
338+69.24	338+76.65	RT		2.8		
339+13.13	339+27.81	RT		4.7		
341+37.16	341+65.46	RT		7.9		
343+75.22	343+81.58	RT		2.5		
344+15.96	344+21.65	RT		2.2		
			TOTAL	411.7		

CURBS AND RAISED ISLANDS

Refer to , , and Detail Series.

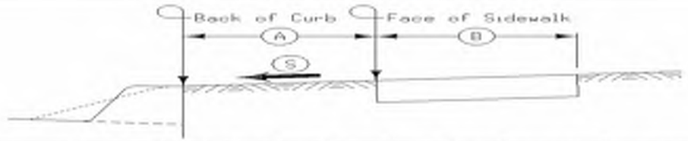
(1) Item

Point No.	Station	Side	Island Interior Area (1) SY	Curb and Gutter: Curb Type	Gutter Width FT	Length (1) LF	Remarks
	301+64.20	LT		6" Driveway Drop PCC	2.5	25.2	DRIVEWAY DROP CURB
	303+00.62	LT		6" Driveway Drop PCC	2.5	66.5	DRIVEWAY DROP CURB
	304+47.15	RT		6" Driveway Drop PCC	2.5	31.0	DRIVEWAY DROP CURB
	304+60.52	LT		6" Driveway Drop PCC	2.5	65.0	DRIVEWAY DROP CURB
	305+52.53	RT		6" Driveway Drop PCC	2.5	26.7	DRIVEWAY DROP CURB
	305+65.52	LT		6" Driveway Drop PCC	2.5	52.2	DRIVEWAY DROP CURB
	306+92.35	LT		6" Standard PCC	2.5	8.6	SIDEWALK DROP CURB
	306+92.30	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	307+03.33	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	307+05.75	RT		6" Standard PCC	2.5	8.0	SIDEWALK DROP CURB
	307+38.17	RT		6" Standard PCC	2.5	9.0	SIDEWALK DROP CURB
	307+40.08	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	308+60.67	LT		6" Standard PCC	2.5	27.6	DRIVEWAY DROP CURB
	309+81.58	LT		6" Standard PCC	2.5	48.3	DRIVEWAY DROP CURB
	310+45.44	LT		6" Standard PCC	2.5	55.0	DRIVEWAY DROP CURB
	310+51.21	RT		6" Standard PCC	2.5	27.3	DRIVEWAY DROP CURB
	312+14.64	RT		6" Standard PCC	2.5	9.0	SIDEWALK DROP CURB
	312+42.24	RT		6" Standard PCC	2.5	9.0	SIDEWALK DROP CURB
	312+56.62	LT		6" Standard PCC	2.5	12.0	SIDEWALK DROP CURB
	312+55.80	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	312+77.93	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	313+04.10	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	313+83.85	RT		6" Standard PCC	2.5	26.5	DRIVEWAY DROP CURB
	314+30.78	LT		6" Standard PCC	2.5	26.0	DRIVEWAY DROP CURB
	314+62.80	RT		6" Standard PCC	2.5	47.3	DRIVEWAY DROP CURB
	315+29.85	LT		6" Standard PCC	2.5	23.6	DRIVEWAY DROP CURB
	316+02.55	RT		6" Standard PCC	2.5	9.1	SIDEWALK DROP CURB
	316+02.59	LT		6" Standard PCC	2.5	9.0	SIDEWALK DROP CURB
	316+17.79	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	316+40.05	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	316+96.11	LT		6" Standard PCC	2.5	21.4	DRIVEWAY DROP CURB
	317+85.80	LT		6" Standard PCC	2.5	22.1	DRIVEWAY DROP CURB
	318+25.76	LT		6" Standard PCC	2.5	25.1	DRIVEWAY DROP CURB
	318+46.42	RT		6" Standard PCC	2.5	28.5	DRIVEWAY DROP CURB
	319+24.71	LT		6" Standard PCC	2.5	48.4	DRIVEWAY DROP CURB
	320+39.26	LT		6" Standard PCC	2.5	11.3	SIDEWALK DROP CURB
	320+40.40	RT		6" Standard PCC	2.5	13.3	SIDEWALK DROP CURB
	320+54.19	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	320+54.13	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	320+74.54	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	320+76.30	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	320+90.65	RT		6" Standard PCC	2.5	10.3	SIDEWALK DROP CURB
	320+90.91	LT		6" Standard PCC	2.5	10.4	SIDEWALK DROP CURB
	322+25.68	LT		6" Standard PCC	2.5	19.9	DRIVEWAY DROP CURB
	322+89.31	RT		6" Standard PCC	2.5	32.0	DRIVEWAY DROP CURB
	322+97.05	LT		6" Standard PCC	2.5	23.4	DRIVEWAY DROP CURB
	323+62.46	LT		6" Standard PCC	2.5	22.9	DRIVEWAY DROP CURB
	324+81.37	LT		6" Standard PCC	2.5	8.2	SIDEWALK DROP CURB
	324+82.26	RT		6" Standard PCC	2.5	7.9	SIDEWALK DROP CURB
	324+94.00	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	324+96.78	LT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	325+30.54	RT		6" Standard PCC	2.5	14.0	SIDEWALK DROP CURB
	325+45.47	LT		6" Standard PCC	2.5	20.0	SIDEWALK DROP CURB
	326+41.06	RT		6" Standard PCC	2.5	50.9	DRIVEWAY DROP CURB
	327+32.67	RT		6" Standard PCC	2.5	16.3	DRIVEWAY DROP CURB
	329+22.36	RT		6" Standard PCC	2.5	18.0	SIDEWALK DROP CURB
	329+29.68	LT		6" Standard PCC	2.5	30.0	SIDEWALK DROP CURB
	329+80.98	LT		6" Standard PCC	2.5	30.0	SIDEWALK DROP CURB
	329+81.56	RT		6" Standard PCC	2.5	20.0	SIDEWALK DROP CURB
	331+73.52	RT		6" Standard PCC	2.5	25.7	DRIVEWAY DROP CURB
	332+75.09	LT		6" Standard PCC	2.5	26.9	DRIVEWAY DROP CURB
	333+94.71	LT		6" Standard PCC	2.5	66.5	DRIVEWAY/SIDEWALK DROP CURBS
	336+44.86	RT		6" Standard PCC	2.5	24.5	DRIVEWAY DROP CURB
	338+72.95	RT		6" Standard PCC	2.5	10.0	SIDEWALK DROP CURB
	339+20.47	RT		6" Standard PCC	2.5	17.0	SIDEWALK DROP CURB
	341+51.31	RT		6" Standard PCC	2.5	28.3	DRIVEWAY DROP CURB
	343+78.40	RT		6" Standard PCC	2.5	9.0	SIDEWALK DROP CURB
	344+18.81	RT		6" Standard PCC	2.5	8.0	SIDEWALK DROP CURB
					TOTAL	1482.1	

113-1A
04-16-19

SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
US 30 (LOMBARD STREET)	301+71.58	302+83.24	LT		5.00		62.0				10	
US 30 (LOMBARD STREET)	303+18.75	304+44.35	LT		5.00		69.8				20	
US 30 (LOMBARD STREET)	303+21.97	304+38.21	RT		5.00		64.6					
US 30 (LOMBARD STREET)	304+56.21	305+44.94	RT		5.00		49.3					
US 30 (LOMBARD STREET)	304+78.11	305+45.95	LT		5.00		37.7				10	
US 30 (LOMBARD STREET)	305+59.91	306+93.99	RT		5.00		74.5					
US 30 (LOMBARD STREET)	305+83.95	306+94.09	LT		5.00		61.2					
US 30 (LOMBARD STREET)	306+89.02	306+94.02	RT		5.00			6.0			10	
US 30 (LOMBARD STREET)	306+89.09	306+94.09	LT		5.00			3.7			10	
US 30 (LOMBARD STREET)	306+94.02	307+03.92	RT		5.00			5.5			10	
US 30 (LOMBARD STREET)	306+94.09	307+01.57	LT		5.00			4.2			10	
US 30 (LOMBARD STREET)	307+39.92	307+50.48	RT		4.00			4.7			8	
US 30 (LOMBARD STREET)	307+41.21	307+49.21	LT		5.00			4.4			10	
US 30 (LOMBARD STREET)	307+49.21	308+56.71	LT		5.00		59.7					
US 30 (LOMBARD STREET)	307+50.48	310+43.06	RT		4.0-5.0		161.3					
US 30 (LOMBARD STREET)	308+61.73	309+64.66	LT		5.00		57.2					
US 30 (LOMBARD STREET)	310+00.66	310+22.87	LT		5.00		12.3					
US 30 (LOMBARD STREET)	310+59.06	312+03.20	RT		5.0-4.0		78.7					
US 30 (LOMBARD STREET)	310+67.87	312+59.40	LT		5.00		106.4					
US 30 (LOMBARD STREET)	312+03.20	312+13.11	RT		5.00			4.4			8	
US 30 (LOMBARD STREET)	312+44.77	312+54.55	RT		5.00			5.4			10	
US 30 (LOMBARD STREET)	312+54.55	312+59.55	RT		5.00			5.2			10	
2ND AVE/LOMBARD - SE QUAD					5.00			8.3				
US 30 (LOMBARD STREET)	312+54.40	312+59.40	LT		5.00			7.0			10	
US 30 (LOMBARD STREET)	312+59.40	312+75.95	LT		5.00			9.2			10	
US 30 (LOMBARD STREET)	312+54.55	313+76.04	RT		5.00		67.5					
US 30 (LOMBARD STREET)	313+05.94	313+19.53	LT		5.00			7.6			10	
2ND AVE/LOMBARD - NE QUAD					5.00		5.6					
US 30 (LOMBARD STREET)	313+19.53	314+26.68	LT		5.00		59.5					
US 30 (LOMBARD STREET)	313+92.04	314+45.20	RT		5.00		29.5					
US 30 (LOMBARD STREET)	314+36.69	315+24.21	LT		5.00		48.6					
US 30 (LOMBARD STREET)	314+80.20	316+05.01	RT		5.00		69.3					
US 30 (LOMBARD STREET)	315+35.21	316+91.02	LT		5.00		86.6					
US 30 (LOMBARD STREET)	315+99.97	316+04.97	LT		5.00			7.3			10	
US 30 (LOMBARD STREET)	316+00.00	316+05.01	RT		5.00			6.0			10	
3RD AVE/LOMBARD - SW QUAD					5.00		8.3					
US 30 (LOMBARD STREET)	316+05.01	316+15.86	RT		5.00			6.0			10	
US 30 (LOMBARD STREET)	316+42.22	316+52.04	RT		5.00			5.5			10	
3RD AVE/LOMBARD - SE QUAD					5.00		8.3					
US 30 (LOMBARD STREET)	316+52.04	318+38.45	RT		5.00		103.6					
US 30 (LOMBARD STREET)	317+01.05	317+79.96	LT		5.00		43.8					
US 30 (LOMBARD STREET)	317+89.96	318+18.89	LT		5.00		16.1					
US 30 (LOMBARD STREET)	318+30.86	319+06.77	LT		5.00		42.2					
US 30 (LOMBARD STREET)	318+54.45	320+22.50	RT		5.00		93.4					
US 30 (LOMBARD STREET)	319+43.21	320+21.60	LT		5.00		43.5					
US 30 (LOMBARD STREET)	320+21.60	320+36.60	LT		5.00			8.3				
US 30 (LOMBARD STREET)	320+22.50	320+37.50	RT		5.00			8.3				
US 30 (LOMBARD STREET)	320+36.60	320+41.60	LT		5.00		2.8					
US 30 (LOMBARD STREET)	320+37.50	320+42.50	RT		5.00		2.8					
US 30 (LOMBARD STREET)	320+36.60	320+41.60	LT		5.00			6.2			10	
US 30 (LOMBARD STREET)	320+37.50	320+42.50	RT		5.00			6.8			10	
4TH AVE/LOMBARD - NW QUAD					5.00			8.3				
4TH AVE/LOMBARD - SW QUAD					5.00			8.3				
US 30 (LOMBARD STREET)	320+41.60	320+51.67	LT		5.00			5.6			10	
US 30 (LOMBARD STREET)	320+42.50	320+52.23	RT		5.00			5.4			10	
US 30 (LOMBARD STREET)	320+76.46	320+88.43	LT		5.00			6.7			10	
US 30 (LOMBARD STREET)	320+78.22	320+88.89	RT		5.00			5.9			10	
US 30 (LOMBARD STREET)	320+88.43	320+93.43	LT		5.00			6.4			10	
US 30 (LOMBARD STREET)	320+88.89	320+93.89	RT		5.00			6.9			10	
4TH AVE/LOMBARD - SE QUAD					5.00		8.3					
US 30 (LOMBARD STREET)	320+88.43	320+93.43	LT		5.00		2.8					
US 30 (LOMBARD STREET)	320+88.89	320+93.89	RT		5.00		2.8					
US 30 (LOMBARD STREET)	320+93.43	321+08.43	LT		5.00			8.3				
US 30 (LOMBARD STREET)	320+93.89	321+08.89	RT		5.00			8.3				
US 30 (LOMBARD STREET)	321+08.43	322+21.64	LT		5.00		62.9					
US 30 (LOMBARD STREET)	321+08.89	322+82.62	RT		5.00		96.5					
US 30 (LOMBARD STREET)	322+29.64	322+91.39	LT		5.00		34.3					
US 30 (LOMBARD STREET)	322+98.62	324+83.75	RT		5.00		102.9					
US 30 (LOMBARD STREET)	323+01.39	323+57.42	LT		5.00		31.1					
US 30 (LOMBARD STREET)	323+67.42	324+83.34	LT		5.00		64.4					
US 30 (LOMBARD STREET)	324+78.34	324+83.34	LT		5.00			6.6			10	
US 30 (LOMBARD STREET)	324+78.77	324+83.77	RT		5.00			4.7			10	

110-08
04-17-18

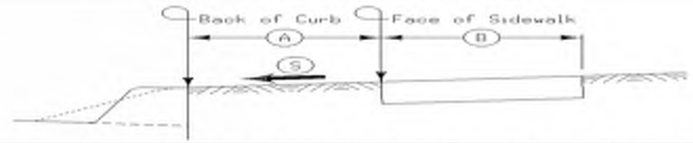
REMOVAL OF CONCRETE DRIVES

* Not a Bid Item

Location		Area	Saw Cut*	Remarks
Station	Side	SY	LF	
301+65.66	LT	24.1		89 LOMBARD STREET
303+00.13	LT	63.4	34.0	93 LOMBARD STREET
304+47.04	RT	43.7	18.0	94 LOMBARD STREET
304+62.01	LT	64.7	34.0	93 LOMBARD STREET
305+52.41	RT	30.4		96 LOMBARD STREET
305+64.31	LT	62.2	36.0	97 LOMBARD STREET
308+60.26	LT	36.3	8.0	107 LOMBARD STREET
310+10.90	LT	192.9	104.0	115 LOMBARD STREET
310+51.83	RT	42.1	10.0	106 LOMBARD STREET / ALLEY
313+84.16	RT	36.6	11.0	202 LOMBARD STREET / ALLEY
314+30.74	LT	27.8	10.0	203 LOMBARD STREET
314+61.42	RT	92.7	34.0	206 LOMBARD STREET
315+29.60	LT	23.5		205 LOMBARD STREET
316+96.68	LT	25.6	10.0	301 LOMBARD STREET
317+23.29	RT	24.8		302 LOMBARD STREET
317+85.14	LT	29.0	10.0	303 LOMBARD STREET
318+24.78	LT	26.2	8.0	305 LOMBARD STREET
318+46.84	RT	45.1	16.0	304 LOMBARD STREET / ALLEY
319+25.38	LT	71.0	36.0	309 LOMBARD STREET
322+25.85	LT	24.1	8.0	403 LOMBARD STREET
322+91.42	RT	50.5	12.0	404 LOMBARD STREET / ALLEY
322+97.22	LT	23.9	10.0	405 LOMBARD STREET
323+62.29	LT	26.1	10.0	407 LOMBARD STREET
326+41.05	RT	45.7	45.0	502 LOMBARD STREET
327+32.62	RT	29.6	13.5	510 LOMBARD STREET / ALLEY
331+74.28	RT	29.2	12.0	618 LOMBARD STREET / ALLEY
332+74.33	LT	25.2	24.0	619 LOMBARD STREET
333+87.99	LT	39.2		619 LOMBARD STREET
334+82.40	RT	102.6	80.0	PARCEL CLA169
335+15.82	LT	112.7	96.0	PARCEL CLA170 / CLARENCE FD
336+44.82	RT	25.3	18.0	730 LOMBARD STREET / ALLEY
341+51.52	RT	38.8	14.0	804 LOMBARD STREET / ALLEY
		1535.0		TOTAL

SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	4" PCC Sidewalk	6" PCC Sidewalk	8" PCC Sidewalk	10" PCC Sidewalk	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	SY	SY	SF	
5TH AVE/LOMBARD - NW QUAD					5.00		8.3					
5TH AVE/LOMBARD - SW QUAD					5.00			5.2				
US 30 (LOMBARD STREET)	324+83.38	324+94.74	LT		5.00			6.3			10	
US 30 (LOMBARD STREET)	324+83.77	324+91.62	RT		5.00			4.4			10	
US 30 (LOMBARD STREET)	325+28.81	325+41.21	RT		4.00			5.5			8	
US 30 (LOMBARD STREET)	325+39.23	325+46.72	LT		5.00			4.2			10	
US 30 (LOMBARD STREET)	325+41.21	326+21.52	RT		4.00		35.7					
5TH AVE/LOMBARD - SE QUAD					4.00		6.7					
US 30 (LOMBARD STREET)	325+40.09	329+17.52	LT		4.0/VARIES		165.1					SPECIAL SHAPING TO BACK OF CURB
US 30 (LOMBARD STREET)	325+46.72	329+07.52	LT		5.00		200.4					
US 30 (LOMBARD STREET)	326+66.50	327+25.60	RT		5.00			32.8				SEE NOTE 1
US 30 (LOMBARD STREET)	326+66.50	327+25.60	RT		VARIES			15.7				SEE NOTE 1
US 30 (LOMBARD STREET)	327+39.59	329+17.64	RT		5.00			98.9				SEE NOTE 1
US 30 (LOMBARD STREET)	327+39.59	329+17.64	RT		VARIES			69.8				SEE NOTE 1
US 30 (LOMBARD STREET)	329+07.52	329+17.52	LT		5.00			5.6				
US 30 (LOMBARD STREET)	329+17.52	329+27.52	LT		5.00		5.6					
US 30 (LOMBARD STREET)	329+17.52	329+22.52	LT		5.00			2.1			10	
US 30 (LOMBARD STREET)	329+17.64	329+22.64	RT		5.00		2.8					
US 30 (LOMBARD STREET)	329+17.64	329+22.64	RT		5.00			3.1			10	
US 30 (LOMBARD STREET)	329+22.64	329+25.59	RT		5.00			1.6			10	
US 30 (LOMBARD STREET)	329+27.52	329+39.60	LT		5.00			6.7			10	
6TH AVE/LOMBARD - NW QUAD					VARIES		29.8					
6TH AVE/LOMBARD - SW QUAD					VARIES			14.7				
US 30 (LOMBARD STREET)	329+70.38	329+80.29	LT		5.00			5.5			10	
US 30 (LOMBARD STREET)	329+78.10	329+82.15	RT		4.00			1.8			8	
US 30 (LOMBARD STREET)	329+80.29	332+62.32	LT		5.00		156.7					
US 30 (LOMBARD STREET)	329+80.29	332+62.32	LT		VARIES		122.2					SPECIAL SHAPING TO BACK OF CURB
6TH AVE/LOMBARD - NE QUAD					VARIES			13.4				
US 30 (LOMBARD STREET)	329+82.15	329+86.15	RT		4.00		1.8					
6TH AVE/LOMBARD - SE QUAD					VARIES		13.2					
US 30 (LOMBARD STREET)	329+86.15	331+64.06	RT		4.0-5.0			95.2				SEE NOTE 1
US 30 (LOMBARD STREET)	329+86.15	331+64.06	RT		VARIES			75.4				SEE NOTE 1
US 30 (LOMBARD STREET)	331+84.06	333+37.14	RT		5.00			85.0				SEE NOTE 1
US 30 (LOMBARD STREET)	331+84.06	333+37.14	RT		VARIES			29.7				SEE NOTE 1
US 30 (LOMBARD STREET)	332+86.32	333+53.57	LT		5.00		37.4					
US 30 (LOMBARD STREET)	332+86.32	333+63.57	LT		VARIES		38.1					SPECIAL SHAPING TO BACK OF CURB
US 30 (LOMBARD STREET)	333+53.57	333+63.57	LT		5.00			5.6				
US 30 (LOMBARD STREET)	333+63.57	333+68.57	LT		5.00		2.8					
US 30 (LOMBARD STREET)	333+63.57	333+68.57	LT		5.00			2.8			10	
US 30 (LOMBARD STREET)	333+68.57	333+71.95	LT		5.00			1.9				
US 30 (LOMBARD STREET)	334+03.92	334+66.95	LT		5.00		35.0					
US 30 (LOMBARD STREET)	335+22.41	336+36.04	RT		5.00		63.1					
US 30 (LOMBARD STREET)	335+63.19	337+81.14	LT		5.00		76.6					
US 30 (LOMBARD STREET)	336+54.04	338+66.86	RT		5.00		122.6					
US 30 (LOMBARD STREET)	338+66.86	338+71.57	RT		5.00			2.6			10	
US 30 (LOMBARD STREET)	339+17.41	339+20.68	RT		4.00			1.5			8	
US 30 (LOMBARD STREET)	339+20.68	339+24.81	RT		4.00		1.8					
US 30 (LOMBARD STREET)	339+24.81	339+34.85	RT		4.0-5.0			5.0				
US 30 (LOMBARD STREET)	339+34.85	341+39.51	RT		5.00		113.7					
US 30 (LOMBARD STREET)	341+63.51	343+69.56	RT		5.00		119.9					
US 30 (LOMBARD STREET)	343+69.56	343+77.03	RT		5.00			4.2			10	
US 30 (LOMBARD STREET)	344+20.39	344+26.66	RT		5.00			3.5			10	
US 30 (LOMBARD STREET)	344+26.66	344+31.66	RT		5.00		2.8					
9TH AVENUE					VARIES		11.7					
						TOTALS	3404.9	821.1			440	

NOTE 1: USE 4" GRANULAR SUBBASE UNDER 6" SIDEWALK ADJACENT TO MODIFIED RETAINING WALL

STANDARD SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Terrace
- Earth Dam or Dike (Existing)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Existing Utility Access (Manhole)
- Fire Hydrant
- WH Water Hydrant (Rural)
- Septic Tank
- Cistern
- L.P. Gas Tank (No Footing)
- Underground Storage Tank
- Latrine
- Satellite TV Dish
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box
- EB Electric Box

UTILITY LEGEND

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.**	
Lavender	(9)	Temporary Pavement Shading
Yellow	(4)	Proposed Pavement Shading
Orange	(6)	Proposed Granular Shading
Orange	(70)	Proposed Shoulder Granular Shading
Yellow	(68)	Proposed Shoulder Paved Full Depth Shading
Yellow	(132)	Proposed Shoulder Paved Partial Depth Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Orange, Light	(134)	Proposed Granular Entrance Shading
Yellow	(220)	Proposed Paved Entrance Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading
Green, Light	(225)	Existing Pavement Shading
Red	(3)	Proposed Structure Shading
Red	(3)	Delineates Restricted Areas

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(10)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

- Reference Point / Station — Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

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

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.1	

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

CLA101
89 LOMBARD ST
QUICK STEVE

TYPE A GRANULAR SURFACING

5'

5' WIDE SIDEWALK W/ 1.5% CROSS SLOPE

DO NOT DISTURB MAILBOX

REMOVE BROKEN SIDEWALK TO
WEST PROPERTY LINE
BACKFILL WITH TOPSOIL & SEED

300+00 301+00 302+00 303+00

US 30 (LOMBARD STREET)

POB 300+00.00

400 1ST AVE
CLARENCE CITY PARK
CITY OF CLARENCE

N

0 10
FEET

CLA102
92 LOMBARD ST
KOTH AARON

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.2	

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

CLA103
93 LOMBARD ST
CASEYS MARKETING COMPANY

CLA106
97 LOMBARD ST
BOETTCHER JEREMY S & BETHANY M

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

303+00 304+00 305+00 306+00

DO NOT DISTURB MAILBOX

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

US 30 (LOMBARD STREET)

DO NOT DISTURB POLE

DO NOT DISTURB POLE

DO NOT DISTURB TREES

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA102
92 LOMBARD ST
KOTH AARON

CLA104
94 LOMBARD ST
SCOTT LANE M & LISA M

CLA105
96 LOMBARD ST
WYNKOOP TODD

CLA107
98 LOMBARD ST
BICKFORD MATTHEW & THOMPSON CYNTHIA

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.3	

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

CLA106
97 LOMBARD ST
BOETTCHER JEREMY S & BETHANY M

1ST AVENUE

CLA108
203 1ST AVE
RUTH ADAM

CLA110
105 LOMBARD ST
HOY WILLIAM M & TERESA M

CLA111
107 LOMBARD ST
HOY WILLIAM M & TERESA M

CONTRACTOR TO CONSTRUCT
SIDEWALK FROM WITHIN EXISTING
RIGHT-OF-WAY

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

SIGN

DO NOT DISTURB SIGN

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

7'

306+00 307+00 308+00 309+00

MATCH EXISTING WALK

US 30 (LOMBARD STREET)

DO NOT DISTURB HYDRANT

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA107
98 LOMBARD ST
BICKFORD MATTHEW & THOMPSON CYNTHIA

1ST AVENUE

CLA109
106 LOMBARD ST
BIXLER DOUGLAS C & MARY E

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.4	

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

POINT	STATION	OFFSET	DESCRIPTION
1	309+49.65	32.75' LT	BEGIN 4:1 TAPER
2	309+59.66	30.25' LT	END 4:1 TAPER
3	309+64.66	30.25' LT	END SIDEWALK; END DRIVEWAY
4	310+00.66	30.28' LT	END DRIVEWAY; BEGIN SIDEWALK
5	310+22.88	30.40' LT	END SIDEWALK; END DRIVEWAY
6	310+67.87	30.49' LT	END DRIVEWAY; BEGIN SIDEWALK
7	310+72.87	30.50' LT	BEGIN 4:1 TAPER
8	310+82.86	33.00' LT	END 4:1 TAPER

CLA112
115 LOMBARD ST
HOUND DOG ROCK SHOP LLC

DO NOT DISTURB SIGN & LANDSCAPING

CLA113
117 LOMBARD ST
DONAHUE SHAUN A &

CLA115
216 2ND AVE
GIEBELSTEIN DIANE M & BRUCE

1 2 3 4 5 6 7 8

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

309+00 310+00 311+00 312+00

US 30 (LOMBARD STREET)

MINOR MANHOLE ADJUSTMENT

DO NOT DISTURB POLE

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA109
106 LOMBARD ST
BIXLER DOUGLAS C & MARY E

CLA114
302 2ND AVE
COONS DONNA M

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.5	

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

CLA115
216 2ND AVE
GIEBELSTEIN DIANE M & BRUCE

DO NOT DISTURB TREES

2ND AVENUE

CLA117
201 LOMBARD ST
WIGGINS DANIEL R

CLA119
203 LOMBARD ST
LANGE JENNIFER M

5'

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

REMOVE TREE

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

312+00 313+00 314+00 315+00

US 30 (LOMBARD STREET)

DO NOT DISTURB POLE, SIGN

EXISTING WATER VALVE IN SIDEWALK

MINOR MANHOLE ADJUSTMENT

DO NOT DISTURB HYDRANT

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5'

6'

2ND AVENUE

CLA116
202 LOMBARD ST
ANDERSON ERNEST D & WANDA SUE

CLA118
206 LOMBARD ST
HAVEL LARRY L

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.6	

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

CLA121
205 LOMBARD ST
REED MATTHEW W

CLA122
301 LOMBARD ST
BIXLER FRIEDA

CLA124
303 LOMBARD ST
BARBER JAMES A & BARBER JAMES A JR

5'

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

TYPE A GRANULAR SURFACING

REMOVE TREE
HOMEOWNER TO REMOVE LANDSCAPING
COORDINATE WITH HOMEOWNER

315+00 316+00 317+00 318+00

US 30 (LOMBARD STREET)

REMOVE DRIVEWAY
BACKFILL WITH TOPSOIL, SEED

DO NOT DISTURB POLE

DO NOT DISTURB HYDRANT

DO NOT DISTURB POLE

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA120
300 3RD AVE
WADDELL RYAN D

3RD AVENUE

CLA123
302 LOMBARD ST
SKINNER GARY A & HELEN J

CLA125
304 LOMBARD ST
WACKER ROGER A & BETTY S

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.7

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

CLA126
305 LOMBARD ST
MEYER STACEY L

CLA128
309 LOMBARD ST
FIDELITY BANK & TRUST

REMOVE & REINSTALL SIGNS (2)

5'

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

REMOVE TREE

DO NOT DISTURB POLE

4TH AVENUE

318+00 319+00 320+00 321+00

US 30 (LOMBARD STREET

DO NOT DISTURB POLE

MINOR MANHOLE ADJUSTMENT

5'

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

DO NOT DISTURB POLE

DO NOT DISTURB INTAKE

4TH AVENUE

CLA125
304 LOMBARD ST
WACKER ROGER A & BETTY S

CLA127
306 LOMBARD ST
BYRD MATTHEW D

CLA129
308 LOMBARD ST
LEEPER WESLEY J & RENEE MARIE

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.8	

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

CLA130
401 LOMBARD ST
DAHM ANDREW J

CLA132
403 LOMBARD ST
HUSMANN EVERETT J LLC

CLA134
405 LOMBARD ST
JONES LISA

CLA136
407 LOMBARD ST
MEYER ROSEMARY

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5'

5'

REMOVE TREES (2)
SALVAGE WOOD TO PROPERTY OWNER

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

321+00

322+00

323+00

324+00

US 30 (LOMBARD STREET)

MINOR MANHOLE ADJUSTMENT

DO NOT DISTURB POLE

PROTECT TREE

REMOVE TREE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

10'

CLA131
402 LOMBARD ST
DERYNCK RANDY S & JADE S

CLA133
404 LOMBARD ST
BLAKE MICHAEL L

CLA135
302 5TH AVE
FREEMAN FARMS LLC

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.9	

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

5TH AVENUE

CLA137
411 LOMBARD ST
CITY OF CLARENCE

CLA138
501 LOMBARD ST
DENNIS RODNEY K & LORI L

CLA141
507 LOMBARD ST
MLBCSM INC.

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

AVOID IMPACTS TO LANDSCAPING & BLOCK PAVERS

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

VARIABLE WIDTH SPECIAL SHAPING AREA

DO NOT DISTURB LIGHT POLE

SIGN

324+00 325+00 326+00 327+00

US 30 (LOMBARD STREET)

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA135
302 5TH AVE
FREEMAN FARMS LLC

DO NOT DISTURB TREE

PROTECT PLANTERS COORDINATE WITH PROPERTY OWNERS

KEEP RETAINING WALL IN PLACE
REPLACE SIDEWALK BEHIND WALL TO MEET ADA COMPLIANCE

4' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

REMOVE AND REPLACE SIGN

CLA139
502 LOMBARD ST
SPARBEL STEVEN

5TH AVENUE

PROTECT PLANTERS COORDINATE WITH PROPERTY OWNERS

TP101 TP102

DO NOT DISTURB LIGHT POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA140
504 & APT1LOMBARD ST
SPARBEL STEVEN

N

0 10
FEET

Point	Station	Offset	Wall Top	Wall Bottom	
TP101	326+69.31	26.99	837.71	836.91	BEGIN COMBINED RETAINING WALL
TP102	326+75.00	26.99	837.68	836.92	

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.10

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NOTE 1:
COORDINATE WITH CITY TO
ADJUST PAVERS AT CITY PARK
PROTECT LANDSCAPING

A141
MBARD ST
SM INC.

CLA142
509 & APT1LOMBARD ST
MILL CREEK CAFE LLC

CLA144
511 LOMBARD ST
ONION GROVE MERCANTILE LLC

CLA146
515 LOMBARD ST
MAURER KYLE R

CLA149
517 LOMBARD ST
MILL CREEK CAFE LLC

CLA150
519 LOMBARD ST
DIAMOND CUTTER GRAPHICS LLC

CLA151
202 & APT16TH AVE
DIRKS RUSSELL A

6TH AVENUE

CLA153
601
LOMBARD ST
ROBINSON KATHRYN

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

VARIABLE WIDTH SPECIAL SHAPING AREA

SAWCUT APPROXIMATELY 3.5'
FROM BUILDING FACE
MATCH APPROXIMATE EXISTING
SIDEWALK ALIGNMENT
SEE DETAIL C FROM SHEET B.2

PROTECT PLANTERS AND
COORDINATE WITH PROPERTY
OWNERS TO REMOVE BENCHES

DO NOT DISTURB LIGHT POLE

DO NOT DISTURB INTAKE

327+00 328+00 329+00 330+00

US 30 (LOMBARD STREET)

SEE DETAIL A FROM SHEET B.2

CONSTRUCT TYPE B STEPS

DO NOT DISTURB LIGHT POLE

DO NOT DISTURB INTAKE

DO NOT DISTURB LIGHT POLE

TP103 TP104 TP201 TP202 TP203 TP204 TP205 TP206 TP207 TP208 TP209 TP301

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

10'

CLA143
510 LOMBARD ST
BLAKE MICHAEL L

CLA145
512 LOMBARD ST
THURSTON MICKEY D

CLA147
514 LOMBARD ST
NEIGHBOR INSURANCE SERVICES INC

SEE NOTE 1

SEE NOTE 1

CLA148
LOMBARD ST
CITY OF CLARENCE

DO NOT DISTURB SIGN

DO NOT DISTURB INTAKES

6TH AVENUE

CLA152
602 LOMBARD ST
THURSTON MICKEY DEAN

Point	Station	Offset	Wall Top	Wall Bottom	
TP103	327+00.00	26.97	837.46	836.53	
TP104	327+16.62	26.96	837.21	836.29	END COMBINED RETAINING WALL
TP201	327+50.00	26.87	836.74	835.95	BEGIN COMBINED RETAINING WALL
TP202	327+75.00	26.85	836.79	835.75	
TP203	328+00.00	26.83	836.82	835.49	
TP204	328+20.10	26.82	836.79	835.24	

Point	Station	Offset	Wall Top	Wall Bottom	
TP205	328+26.10	26.81	836.68	835.20	
TP206	328+50.00	26.79	835.89	835.03	
TP207	328+75.00	26.77	835.67	834.87	
TP208	329+00.00	26.75	835.71	834.70	
TP209	329+14.48	26.74	835.62	834.88	END COMBINED RETAINING WALL
TP301	329+83.22	24.91	835.87	835.03	BEGIN COMBINED RETAINING WALL

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.11

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

LA153
601
BARD ST
ON KATHRYN

CLA154
603 LOMBARD ST
NIERMEYER R &
J LIVING TRUST

CLA156
605 LOMBARD ST
DEBNER ROBERT L

CLA158
609 LOMBARD ST
DEBNER ROBERT

CLA159
611 LOMBARD ST
BLAKE MICHAEL L

CLA160
LOMBARD ST
RIVER VALLEY COOPERATIVE

CLA162
619 LOMBARD ST
RV COOP

CLA166
LOMBARD ST
CITY OF CLARENCE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

VARIABLE WIDTH SPECIAL SHAPING AREA

SAWCUT APPROXIMATELY 2'
FROM BUILDING FACE
MATCH APPROXIMATE EXISTING
SIDEWALK ALIGNMENT TO THE EAST
SEE DETAIL C ON SHEET B.2

DO NOT DISTURB LIGHT POLE

DO NOT DISTURB LIGHT POLE

PROTECT PLANTERS AND
COORDINATE WITH PROPERTY
OWNERS TO REMOVE BENCHES

330+00 331+00 332+00 333+00

US 30 (LOMBARD STREET)

CONSTRUCT TYPE B STEPS

CONSTRUCT TYPE B STEPS

CONSTRUCT TYPE B STEPS

DO NOT DISTURB LIGHT POLE

DO NOT DISTURB FENCE

REMOVE & REINSTALL SIGN

TP302 TP303 TP305 TP306 TP307 TP308 TP309 TP310 TP311 TP312 TP313 TP314 TP401 TP402 TP403 TP404 TP405

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

SAWCUT APPROXIMATELY 2'
FROM BUILDING FACE
MATCH FRONT OF STEPS
SEE DETAIL C ON SHEET B.2

DO NOT DISTURB
LANDCAPE BLOCKS

CLA155
604 LOMBARD ST
CLARENCE TELEPHONE COMPANY, INC

CLA157
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA161
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA163
618 LOMBARD ST
CLARENCE TELEPHONE CO

CLA164
620 LOMBARD ST
WENDEL BRIAN L & MICHELLE L

CLA165
MILLER BARTON J & LISA J

CLA167
628 LOMBARD ST
MILLER LISA & BART

2
RD ST
KEY DEAN

5'

N

0 10
FEET

Point	Station	Offset	Wall Top	Wall Bottom	
TP302	330+00.00	25.07	836.04	834.63	
TP303	330+24.19	25.29	835.92	834.49	
TP305	330+30.19	25.34	835.88	834.46	
TP306	330+50.00	25.52	835.78	834.30	
TP307	330+64.19	25.65	835.69	834.03	
TP308	330+70.19	25.71	835.65	833.93	
TP309	330+75.00	25.75	835.59	833.87	
TP310	331+00.00	25.98	835.32	833.51	
TP311	331+25.00	26.21	834.59	833.18	
TP312	331+29.19	26.24	834.47	833.12	
TP313	331+35.19	26.30	834.42	833.05	
TP314	331+48.89	26.42	834.31	832.89	END COMBINED RETAINING WALL

Point	Station	Offset	Wall Top	Wall Bottom	
TP401	331+92.76	26.97	832.93	831.92	BEGIN COMBINED RETAINING WALL
TP402	332+00.00	27.04	832.82	831.77	
TP403	332+25.00	27.25	831.81	831.09	
TP404	332+50.00	27.46	831.00	830.43	
TP405	332+58.91	27.53	830.68	830.18	END COMBINED RETAINING WALL

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.12

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NOTE:
PROPOSED BACK OF SIDEWALK TO MATCH EXISTING BACK OF SIDEWALK UNLESS OTHERWISE NOTED

POINT	STATION	OFFSET	DESCRIPTION
1	334+66.93	36.52' LT	END DRIVEWAY; MATCH EXISTING
2	335+63.15	36.52' LT	END DRIVEWAY; MATCH EXISTING
3	335+73.12	36.52' LT	BEGIN 2:1 TAPER
4	335+83.22	31.54' LT	END 2:1 TAPER

CLA162
619 LOMBARD ST
RV COOP

CLA168
LOMBARD ST
CITY OF CLARENCE

CLA170
LOMBARD ST
CITY OF CLARENCE

5'

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

VARIABLE WIDTH SPECIAL SHAPING AREA

1

2

3

4

PROTECT PLANTERS

REMOVE & REINSTALL SIGN

DO NOT DISTURB LIGHT POLE

333+00

334+00

335+00

336+00

US 30 (LOMBARD STREET

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

PROTECT PLANTERS

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

SIGN

SIGN

SIGN

CLA167
628 LOMBARD ST
MILLER LISA & BART

7TH AVENUE

CLA169
LOMBARD ST
KINION DALE D & JUDY K

CLA171

KINION ADAM

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.13

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

CLA170
LOMBARD ST
CITY OF CLARENCE

727 LOMBARD ST
THURSTON MICKEY DEAN & NDREA

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

SIGN

DO NOT DISTURB LIGHT POLE

DO NOT DISTURB SIGN

DO NOT DISTURB MANHOLES

336+00

337+00

US 30 (LOMBARD STREET)

338+00

339+00

PC 338+36.47

DO NOT DISTURB POLES

REMOVE WALK

DO NOT DISTURB POLE

DO NOT DISTURB HYDRANT

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

CLA171

KINION ADAM

DO NOT DISTURB INTAKE

CLA172
730 LOMBARD ST
LINCOLN STORAGE LLC

8TH AVENUE

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.14	

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

PI 339+59.40

339+00

340+00

341+00

342+00

US 30 (LOMBARD STREET)

PT 340+81.16

Δ = 13°45'12.77" (RT)
T = 122.94
L = 244.69
R = 1019.35
E = 7.39
e = ___
L = ___
x = ___

DO NOT DISTURB POLE

DO NOT DISTURB SIGN

DO NOT DISTURB POLE

DO NOT DISTURB SIGN

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

10'

CLA173

HAHN DONALD & JEANNE

DO NOT DISTURB INTAKE

8TH AVENUE

802 LOMBARD ST
FRAHM DAVID L

804 LOMBARD ST
THURSTON TOBY & TINA R

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.15

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NOTE:
PROPOSED BACK OF SIDEWALK TO
MATCH EXISTING BACK OF SIDEWALK
UNLESS OTHERWISE NOTED

342+00

343+00

344+00

345+00

US 30 (LOMBARD STREET)

DO NOT DISTURB POLE

DO NOT DISTURB SIGN

DO NOT DISTURB POLE

5' WIDE SIDEWALK W/ 1.5% CROSS-SLOPE

DO NOT DISTURB HYDRANT

LANDSCAPING BLOCKS TO BE REMOVED AND
SALVAGED BY PROPERTY OWNERS

INSTALL SIDEWALK FLUME
SLOPE TO DRAIN TO AREA INTAKE

804 LOMBARD ST
THURSTON TOBY & TINA R

810 LOMBARD ST
BLAKE MICHAEL

9TH AVENUE

CA174
301 9TH AVE
HANSEN JASON & NICHOLE

N

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER D.16

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Survey Information
County: Cedar
Project Number:NHSN-030_8(49)--2R-16
Location: In Clarence, from WCL to ECL
Type of Work: PCC Sidewalk/Trail

NOTE: The information included in this sheet is to enable locating ADA horizontal only stake points. Any other use of this information exceeds the intent of it. This information is provided to promote the efficient use of the Iowa Real-Time Network (IaRTN) with Global Navigation Satellite System (GNSS) equipment configured to the project coordinate system to stake out horizontal design point locations. Use of the IaRTN with GNSS equipment is used in place of survey control marks at the project site. The IaRTN reference stations are in essence the project control marks.

The geographic coordinate system used to perform the pre-design survey is Iowa Regional Coordinate System Zone 10. This coordinate system was used for design and must be configured into GNSS equipment to stake points for this project. Two local marks were used during the pre-design survey to validate GNSS equipment results. These marks can be used to validate results while staking design points.

ELEVATION NOTE: ADA construction requires laying out plan slopes from the gutter line of the roadway. Therefore elevation datum for each ADA ramp is the gutter. Because elevation datum to be used is an existing topogrphic feature at the date of construction a predetermined elevation of that feature or local benchmark elevations are irrelevent and not included with this information.

Validation Point 500
Description 5/8 IRON ROD
IaRCS ZONE 10
N=8020407.518
E=20668429.41

Validation Point 501
Description 5/8 IRON ROD
IaRCS ZONE 10
N=8020787.963
E=20663606.66

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER G.1

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CONTROL LINE DATA - ML030											
POINT	BEARING	DISTANCE	NORTHING	EASTING							
ID		(FEET)	(Y)	(X)	PC	PI	PT	DELTA	R	L	T
	N89.535°E	717.534 '	8020754.434	20663222.85		300+00.00					
	N89.634°E	565.282 '	8020760.259	20663940.36		307+17.53					
	N89.551°E	339.930 '	8020763.871	20664505.63		312+82.82					
	N89.595°E	408.330 '	8020766.535	20664845.55		316+22.75					
	N89.573°E	477.183 '	8020769.419	20665253.87		320+31.08					
	N89.073°E	441.438 '	8020772.972	20665731.04		325+08.26					
	N88.963°E	388.144 '	8020780.111	20666172.42		329+49.70					
	N89.716°E	498.626 '	8020787.138	20666560.5		333+37.84					
	S76.530°E	301.417 '	8020790.216	20667182.05	338+36.47	339+59.40	340+81.16	13.754°	1019.354 '	244.691 '	122.936 '
	S76.049°E	399.998 '	8020720.006	20667475.18		342+59.64					
			8020623.572	20667863.38		346+59.64					

CLA101
89 LOMBARD ST
QUICK STEVE

110'

5'

9.5'
BOW

5'

300+00

301+00

302+00

303+00

POB 300+00.00

US 30 (LOMBARD STREET)

400 1ST AVE
CLARENCE CITY PARK
CITY OF CLARENCE

CLA102
92 LOMBARD ST
KOTH AARON

N

0 FEET 10

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.1	

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CLA103
93 LOMBARD ST
CASEYS MARKETING COMPANY

CLA106
97 LOMBARD ST
BOETTCHER JEREMY S & BETHANY M

229.1'

10' BOW

5'

5' BOW

303+00

304+00

305+00

306+00

CONTRACTOR TO CONSTRUCT
SIDEWALK FROM WITHIN EXISTING
RIGHT-OF-WAY

US 30 (LOMBARD STREET)

CONTRACTOR TO CONSTRUCT
SIDEWALK FROM WITHIN EXISTING
RIGHT-OF-WAY

17' BOC

17' BOC

5' BOW

60'

89.8'

5' BOW

5' BOW

CLA102
92 LOMBARD ST
KOTH AARON

CLA104
94 LOMBARD ST
SCOTT LANE M & LISA M

CLA105
96 LOMBARD ST
WYNKOOP TODD

CLA107
98 LOMBARD ST
BICKFORD MATTHEW &
THOMPSON CYNTHIA

N

0 10
FEET

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.2

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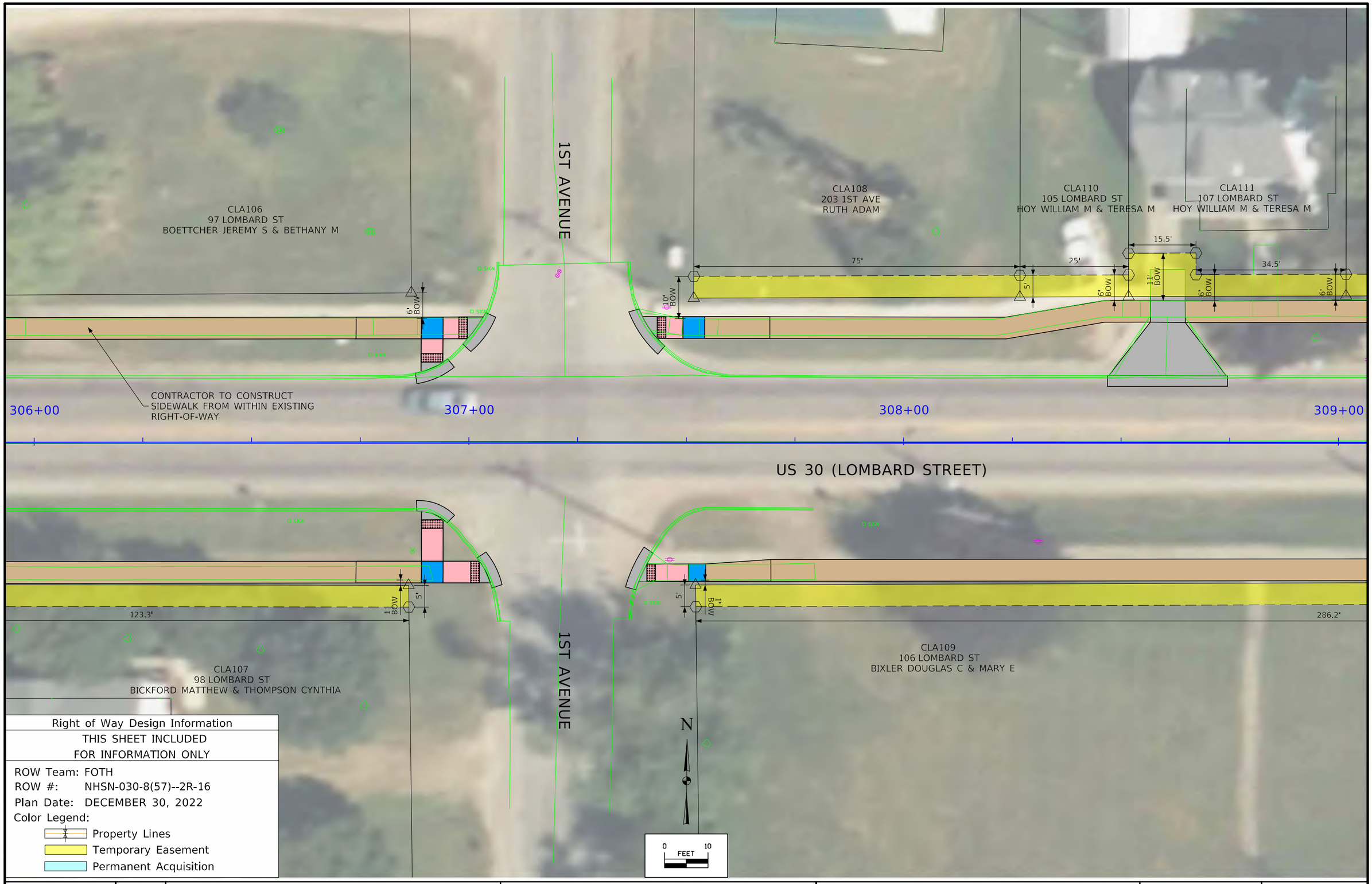

Right of Way Design Information
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ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.3

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CLA112
115 LOMBARD ST
HOUND DOG ROCK SHOP LLC

CLA113
117 LOMBARD ST
DONAHUE SHAUN A &

CLA115
216 2ND AVE
GIEBELSTEIN DIANE M & BRUCE

142'

65'

6' BOW

9' BOW

5'

19' BOC

CONTRACTOR TO CONSTRUCT
SIDEWALK FROM WITHIN EXISTING
RIGHT-OF-WAY

309+00 310+00 311+00 312+00

US 30 (LOMBARD STREET)

5' BOW

5' BOW

10' BOW

86.2'

8' EOD

4' EOD

132.3'

4' BOW

CLA109
106 LOMBARD ST
BIXLER DOUGLAS C & MARY E

CLA114
302 2ND AVE
COONS DONNA M

N

0 10
FEET

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.4	

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CLA115
216 2ND AVE
GIEBELSTEIN DIANE M & BRUCE

2ND AVENUE

CLA117
201 LOMBARD ST
WIGGINS DANIEL R

CLA119
203 LOMBARD ST
LANGE JENNIFER M

1' BOW

6' BOW

5'

6' BOW

96'

101'

7' BOW

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

312+00

313+00

314+00

315+00

US 30 (LOMBARD STREET)

SIGN

2ND AVENUE

4' BOW

4' BOW

4' BOW

4' BOW

4' BOW

111.1'

15'

4' BOW

9' BOW

5'

47'

3.5' EOD

CLA116
202 LOMBARD ST
ANDERSON ERNEST D & WANDA SUE

10'

13' BOW

10'

46.9'

CLA118
206 LOMBARD ST
HAVEL LARRY L

5' EOD

7' EOD

N

0 10
FEET

Right of Way Design Information

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FOR INFORMATION ONLY

ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.5

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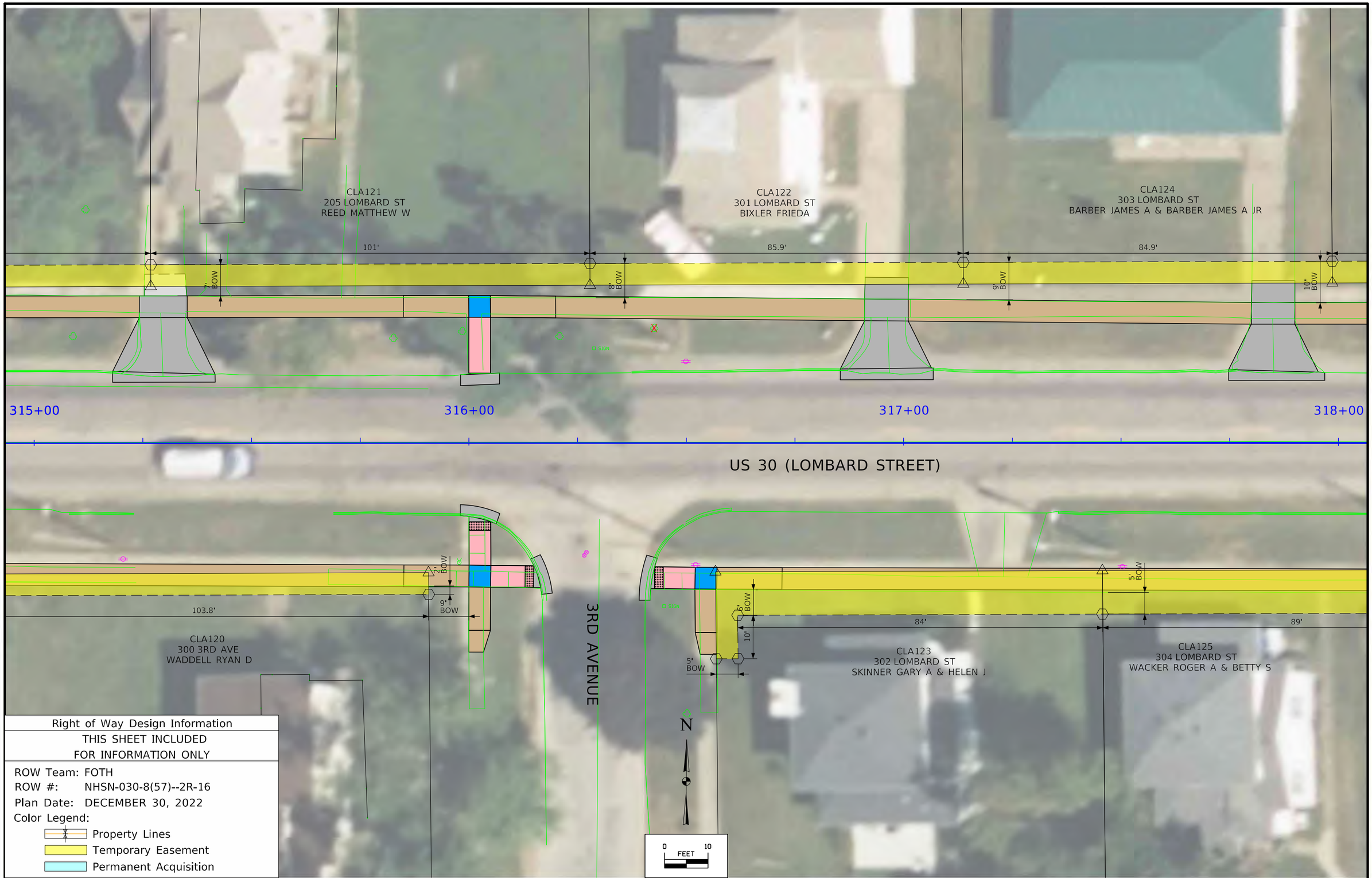

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.6

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CLA126
305 LOMBARD ST
MEYER STACEY L

CLA128
309 LOMBARD ST
FIDELITY BANK & TRUST

4TH AVENUE

76.8'

156.6'

4.5'
BOW

10'
BOW

10'
BOW

10'
BOW

318+00

319+00

320+00

321+00

US 30 (LOMBARD STREET)

5'
BOW

5'
BOW

4'
BOW

4'
BOW

5'

5'
EOD

64'

109'

5'
BOW

CLA125
304 LOMBARD ST
WACKER ROGER A & BETTY S

CLA127
306 LOMBARD ST
BYRD MATTHEW D

CLA129
308 LOMBARD ST
LEEPER WESLEY J & RENEE MARIE

4TH AVENUE

SIGN

SIGN

SIGN

N

0 10
FEET

Right of Way Design Information

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FOR INFORMATION ONLY

ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.7	

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CLA130
401 LOMBARD ST
DAHM ANDREW J

CLA132
403 LOMBARD ST
HUSMANN EVERETT J LLC

CLA134
405 LOMBARD ST
JONES LISA

CLA136
407 LOMBARD ST
MEYER ROSEMARY

71.2'

70.1'

79.7'

10' BOW

10' BOW

10' BOW

5' BOW

10' BOW

321+00

322+00

323+00

324+00

CONTRACTOR TO CONSTRUCT SIDEWALK FROM WITHIN EXISTING RIGHT-OF-WAY

US 30 (LOMBARD STREET)

4' BOW

4' BOW

4' BOW

3.5' BOW

82.1'

96.1'

168.3'

5'

CLA131
402 LOMBARD ST
DERYNCK RANDY S & JADE S

CLA133
404 LOMBARD ST
BLAKE MICHAEL L

CLA135
302 5TH AVE
FREEMAN FARMS LLC

N

0 10
FEET

Right of Way Design Information
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FOR INFORMATION ONLY

ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.8

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CLA137
411 LOMBARD ST
CITY OF CLARENCE
94.2'

10' BOW

SIGN

SIGN

SIGN

5TH AVENUE

CLA138
501 LOMBARD ST
DENNIS RODNEY K & LORI L

139.2'

9' BOW

8' BOW

CLA141
507 LOMBARD ST
MLBCSM INC.

324+00

325+00

326+00

327+00

US 30 (LOMBARD STREET)

5' BOW

10'

8.5' BOW

CLA135
302 5TH AVE
FREEMAN FARMS LLC

5TH AVENUE

3' BOW

SIGN

SIGN

6' BOW

112.2'

CLA139
502 LOMBARD ST
SPARBEL STEVEN

3' BOW

5'

36.2'

CLA140
504 & APT1LOMBARD ST
SPARBEL STEVEN

N

0 10
FEET

Right of Way Design Information
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ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.9	

A141
MBARD ST
SM INC.

CLA142
509 & APT1LOMBARD ST
MILL CREEK CAFE LLC

CLA144
511 LOMBARD ST
ONION GROVE MERCANTILE LLC

CLA146
515 LOMBARD ST
MAURER KYLE R

CLA149
517 LOMBARD ST
MILL CREEK CAFE LLC

CLA150
519 LOMBARD ST
DIAMOND CUTTER GRAPHICS LLC

CLA151
202 & APT16TH AVE
DIRKS RUSSELL A

6TH AVENUE

CLA153
601
LOMBARD ST
ROBINSON KATHRYN

2.6'

EASEMENT TO
FACE OF BUILDING

13.8'

327+00

328+00

329+00

330+00

US 30 (LOMBARD STREET)

5'

5'

19.8'

3'
BOW

46.1'

3'
BOW

24'

3'
BOW

22'

3'
BOW

81.1'

CLA143
510 LOMBARD ST
BLAKE MICHAEL L

CLA145
512 LOMBARD ST
THURSTON MICKEY D

CLA147
514 LOMBARD ST
NEIGHBOR INSURANCE SERVICES INC

CLA148
LOMBARD ST
CITY OF CLARENCE

18'
BOW

5'
BOW

6TH AVENUE

21'

SIGN

2.6'

15'

CLA152
602 LOMBARD ST
THURSTON MICKEY DEAN

N

0 10
FEET

Right of Way Design Information

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ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.10

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LA153
601
BARD ST
ON KATHRYN

CLA154
603 LOMBARD ST
NIERMEYER R &
J LIVING TRUST

CLA156
605 LOMBARD ST
DEBNER ROBERT L

CLA158
609 LOMBARD ST
DEBNER ROBERT

CLA159
611 LOMBARD ST
BLAKE MICHAEL L

CLA160
LOMBARD ST
RIVER VALLEY COOPERATIVE

CLA162
619 LOMBARD ST
RV COOP

CLA166
LOMBARD ST
CITY OF CLARENCE

43.4'

20'

3' BOW

3' BOW

3' BOW

EASEMENT TO FACE OF BUILDING

EASEMENT TO FACE OF BUILDING

EASEMENT TO FACE OF BUILDING

EASEMENT TO FACE OF BUILDING

330+00

331+00

US 30 (LOMBARD STREET)

332+00

333+00

EASEMENT TO FACE OF BUILDING

EASEMENT TO FACE OF BUILDING

21'

27'

89.8'

2' BOW

6.5' BOW

6.5' BOW

5'

30.4'

4' BOW

4' BOW

38.1'

52.1'

CLA155
604 LOMBARD ST
CLARENCE TELEPHONE COMPANY, INC

CLA157
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA161
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA163
618 LOMBARD ST
CLARENCE TELEPHONE CO

CLA164
620 LOMBARD ST
WENDEL BRIAN L & MICHELLE L

CLA165

MILLER BARTON J & LISA J

CLA167
628 LOMBARD ST
MILLER LISA & BART

2
RD ST
KEY DEAN

N

0 10
FEET

Right of Way Design Information
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ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.11

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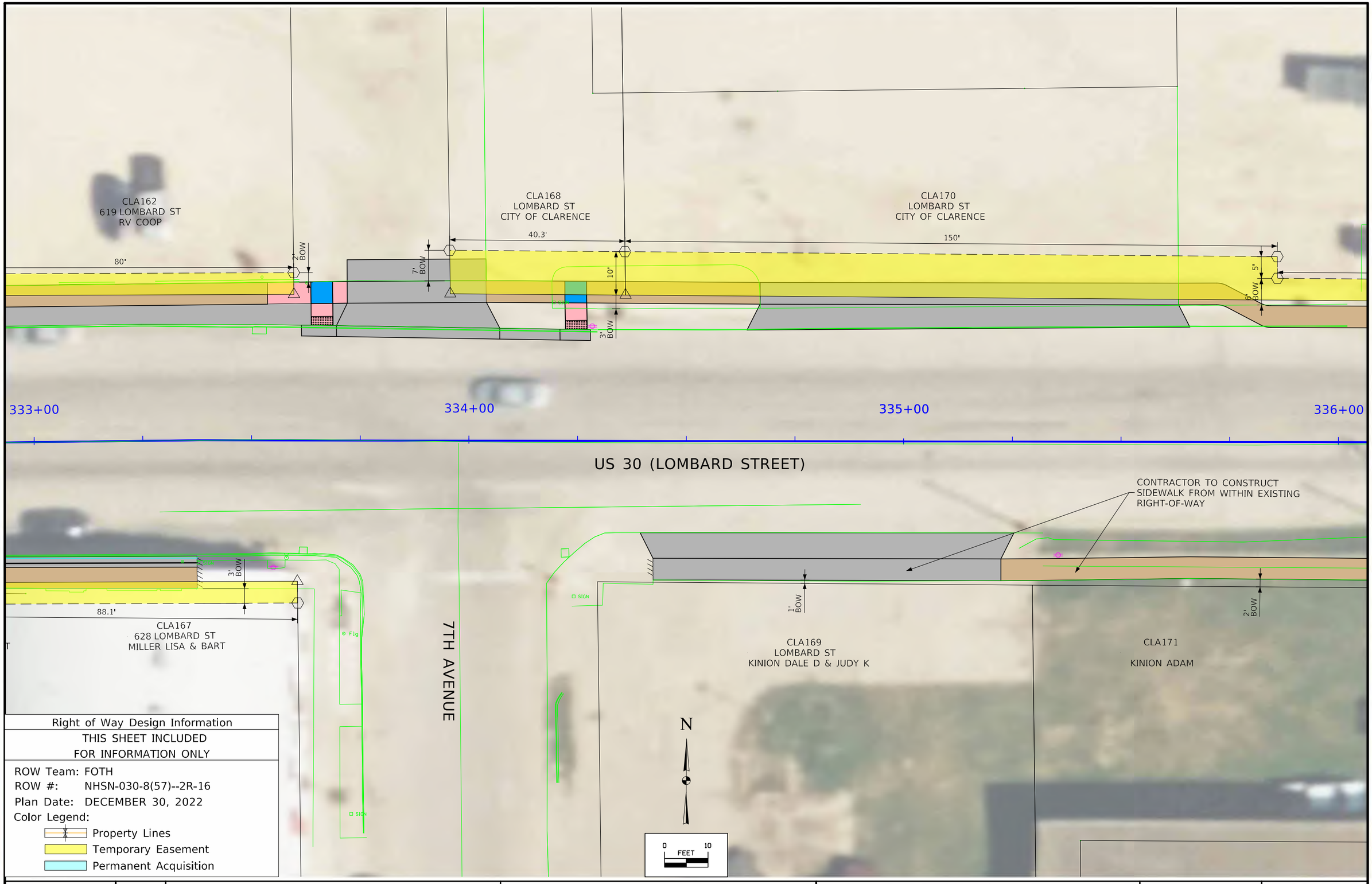

Right of Way Design Information
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ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.12

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CLA170
LOMBARD ST
CITY OF CLARENCE

727 LOMBARD ST
THURSTON MICKEY DEAN & NDREA

8TH AVENUE

114.1'

5'

SIGN

336+00 337+00 338+00 339+00

PC 338+36.47

US 30 (LOMBARD STREET)

CONTRACTOR TO CONSTRUCT
SIDEWALK FROM WITHIN EXISTING
RIGHT-OF-WAY

6' BOW

34.3'

7' BOW

162.3'

CLA171

KINION ADAM

CLA172
730 LOMBARD ST
LINCOLN STORAGE LLC

8TH AVENUE

N

0 10
FEET

Right of Way Design Information
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ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.13

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PI 339+59.40

339+00

340+00

341+00

342+00

PT 340+81.16

US 30 (LOMBARD STREET)

Δ = 13°45'12.77" (RT)
T = 122.94
L = 244.69
R = 1019.35
E = 7.39
e = ___
L = ___
x = ___

SIGN

14' BOW

4' BOW

8TH AVENUE

CLA173

HAHN DONALD & JEANNE

802 LOMBARD ST
FRAHM DAVID L

804 LOMBARD ST
THURSTON TOBY & TINA R

N

0 10
FEET

Right of Way Design Information
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ROW Team: FOTH ROW #: NHSN-030-8(57)--2R-16 Plan Date: DECEMBER 30, 2022 Color Legend: Property Lines Temporary Easement Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.14

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342+00

343+00

344+00

345+00

US 30 (LOMBARD STREET)

804 LOMBARD ST
THURSTON TOBY & TINA R

810 LOMBARD ST
BLAKE MICHAEL

9TH AVENUE

CA174
301 9TH AVE
HANSEN JASON & NICHOLE

10'

4' BOW

N

0 FEET 10

Right of Way Design Information
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ROW Team: FOTH
ROW #: NHSN-030-8(57)--2R-16
Plan Date: DECEMBER 30, 2022
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER H.15	

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108-23A
08-01-08

TRAFFIC CONTROL PLAN

1. During construction, maintain traffic on US 30 and sideroads at all times. The Contractor may utilize Standard Road Plan TC-213 to provide working areas and material delivery. Lane closures may not be used for nighttime equipment or materials storage.

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

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

108-26A
08-01-08

STAGING NOTES

1. Contractor to be aware of parcels without easements. Work must be done from the street side of the sidewalk.

2. Contractor shall minimize disturbed areas within temporary easements shown. Refer to H-sheets for additional information.

3. The Contractor shall only be permitted to have 4 continuous blocks of US 30 under construction at a time. These may include:
- One block of sidewalk being excavated and removed. PCC will be replaced within 10 working days of being removed.
- One block of sidewalk being prepared for pouring concrete (preparing subgrade and forming).
- One block of sidewalk being replaced (pouring concrete).
- One block of sidewalk being finished including backfilling, soil preparation, and seeding.

4. Construction will be completed in phases to allow pedestrian traffic during construction.

5. The Contractor shall coordinate removal and reconstruction of driveways with each individual property owner prior to commencing driveway removal.

6. The Contractor shall coordinate with each individual property owner prior to interruption of water service or water stop box adjustment work.

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
NHSN-030-8(49)--2R-16	HMA Resurfacing
7TH STREET RECONSTRUCTION	City of Clarence project:
	7th & Lombard intersection to
	be complete by June 1, 2024

POLLUTION PREVENTION PLAN

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

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

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

I. ROLES AND RESPONSIBILITES

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

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

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

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. On projects where DOT is the Contracting Authority, is current with erosion control training or certification.
3. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
4. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
5. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
6. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
7. Is familiar with the Project PPP and storm water site map.
8. On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
10. Is signature authority on Notice of Discontinuation.
11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
12. Makes information to determine permit compliance available to the DNR upon their request.

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

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of ADA compliant sidewalks in the city of Clarence, Iowa.

B. This PPP covers approximately 6.67 acres with an estimated 6.27 acres being disturbed. The portion of the PPP covered by this contract has 6.27 acres disturbed.

C. The PPP is located in an area of two soil associations (Dinsdale-Klinger) & (Tama-Muscatine-Downs)
The estimated weighted average runoff coefficient number for this PPP after completion will be 0.68.

D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or CE sheets.

E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.

F. Runoff from this work will flow into Mill Creek.

III. CONTROLS

A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.

1. EROSION AND SEDIMENT CONTROLS

a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.

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

2. OTHER CONTROLS
Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.
a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

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

IV. MAINTENANCE PROCEDURES

110-12
10-20-20

POLLUTION PREVENTION PLAN

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

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
   1. Date of the inspection.
   2. Summary of the scope of the inspection.
   3. Name and qualifications of the personnel making the inspection.
   5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
   6. Major observations related to the implementation of the PPP.
   7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

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

VI. NON-STORM WATER DISCHARGES

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

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

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

VIII. DEFINITIONS

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

CERTIFICATION STATEMENT

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

Signature

Printed or Typed Name

Signature

100-36
10-16-18

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Location Station	Side	Installation	Maintenance	Removal	Remarks
		LF	EACH	EACH	
309+30.00	RT	6.0	1	1	
311+05.00	LT	5.0	1	1	
311+05.00	RT	8.0	1	1	
319+00.00	LT	3.0	1	1	
319+00.00	RT	3.0	1	1	
336+75.00	LT	4.0	1	1	
336+75.00	RT	10.0	1	1	
338+75.00	RT	20.0	1	1	
339+10.00	RT	12.0	1	1	
343+75.00	RT	4.0	1	1	
	TOTAL	75.0	10	10	

100-37
04-18-17

GRATE INTAKE SEDIMENT FILTER BAG

Possible Detail: 570-7

Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
320+45.00	RT	1	1	1	CIRCULAR
320+55.00	RT	1	1	1	CIRCULAR
320+80.00	LT	1	1	1	
320+80.00	RT	1	1	1	CIRCULAR
329+10.00	RT	1	1	1	
329+15.00	LT	1	1	1	
329+25.00	RT	1	1	1	
329+75.00	RT	1	1	1	
333+50.00	LT	1	1	1	
333+60.00	RT	1	1	1	
334+20.00	RT	1	1	1	
	TOTALS	11	11	11	

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
300+00.00	307+00.00	LT	450					BOP TO 1ST AVE
300+00.00	307+00.00	RT	300					BOP TO 1ST AVE
307+00.00	313+00.00	LT	370					1ST AVE TO 2ND AVE
307+00.00	312+00.00	RT	440					1ST AVE TO 2ND AVE
313+00.00	320+50.00	LT	550					2ND AVE TO 4TH AVE
312+00.00	316+50.00	RT	325					2ND AVE TO 3RD AVE
316+50.00	320+50.00	RT	360					3RD AVE TO 4TH AVE
320+50.00	325+00.00	LT	325					4TH AVE TO 5TH AVE
320+50.00	325+00.00	RT	390					4TH AVE TO 5TH AVE
334+00.00	336+00.00	LT	60					
335+25.00	339+00.00	RT	310					7TH AVE TO 8TH AVE
339+00.00	345+00.00	RT	430					8TH AVE TO 9TH AVE
		TOTAL	4310					

LINE STYLE LEGEND OF LANDSCAPE SHEETS

LINESTYLE	Design Element
– – – – – – – – – – – –	Living Snow Fence Single Row
⋯⋯⋯⋯⋯⋯⋯⋯⋯⋯	Living Snow Fence Double Row
———	Mechanical Edge

CELL LEGEND OF LANDSCAPE SHEETS

CELL	Design Element	Plant Diameter
⊕	Clearing	
⊙	Proposed Shrub	6 FT
⊙	Proposed Understory Tree	12 FT
◔	Proposed Conifer Tree	18 FT
⊕	Proposed Overstory Tree	30 FT

PATTERN LEGEND OF LANDSCAPE SHEETS

Brush Clearing

Spray Area

Clearing & Grubbing

LINE STYLE LEGEND OF EROSION CONTROL SHEETS

LINESTYLE	Design Element
	Silt Fence
9	Perimeter and Slope Sediment Control Device (9")
12	Perimeter and Slope Sediment Control Device (12")
20	Perimeter and Slope Sediment Control Device (20")
	Open-Throat Curb Intake Sediment Filter
	Concentrated Flow
	Rock Check and Rock Check Dam
	Sheet Flow

CELL LEGEND OF EROSION CONTROL SHEETS

CELL	Design Element
	Temporary Sediment Control basin
	Erosion Control for Circular Intake or Manhole Well
	Erosion Control for Rectangular Intake or Manhole Well
	Grate Intake Sediment Filter Bag
	Silt Basin
	Silt Fence Tail
	Stormwater Drainage Basin Discharge Point

PLAN VIEW COLOR LEGEND OF EROSION CONTROL 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
Black	(0)	Permanent Erosion Control Features
Blaze Orange	(222)	Temporary Erosion Control Features

SHADING	Design Color No.		Transparency
Citron	(234)	Mulching, All Types	50%
Light Brown	(238)	Special Ditch Control, Wood Excelsior Mat	0%
Grass Green	(233)	8FT Mow Strip	50%
Red	(3)	Delineates Restricted Areas	0%

PATTERN LEGEND OF EROSION CONTROL SHEETS

Seeding and Fertilizing

R — Seeding and Fertilizing (Rural)

U — Seeding and Fertilizing (Urban)

N — Native Grass Seeding

ST — Salt Tolerant Seeding

WL — Wetland Grass Seeding

WF — Wildflower Seeding

SOD — Sodding

Turf Reinforcement Mat Type 1

Turf Reinforcement Mat Type 2

Turf Reinforcement Mat Type 3

Turf Reinforcement Mat Type 4

Slope Protection, Wood Excelsior Mat

TM — Transition Mat

P — Rock Features, Permanent

T — Rock Features, Temporary

EROSION CONTROL LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES R)

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.2	

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N

CLA103
93 LOMBARD ST
CASEYS MARKETING COMPANY

CLA106
97 LOMBARD ST
BOETTCHER JEREMY S & BETHANY M

303+00 304+00 305+00 306+00

US 30 (LOMBARD STREET)

CLA102
92 LOMBARD ST
KOTH AARON

CLA104
94 LOMBARD ST
SCOTT LANE M & LISA M

CLA105
96 LOMBARD ST
WYNKOOP TODD

CLA107
98 LOMBARD ST
BICKFORD MATTHEW &
THOMPSON CYNTHIA

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.3	

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FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.4	

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N

CLA112
115 LOMBARD ST
HOUND DOG ROCK SHOP LLC

CLA113
117 LOMBARD ST
DONAHUE SHAUN A &

CLA115
216 2ND AVE
GIEBELSTEIN DIANE M & BRUCE

309+00 310+00 311+00 312+00

US 30 (LOMBARD STREET)

CLA109
106 LOMBARD ST
BIXLER DOUGLAS C & MARY E

CLA114
302 2ND AVE
COONS DONNA M

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.5	

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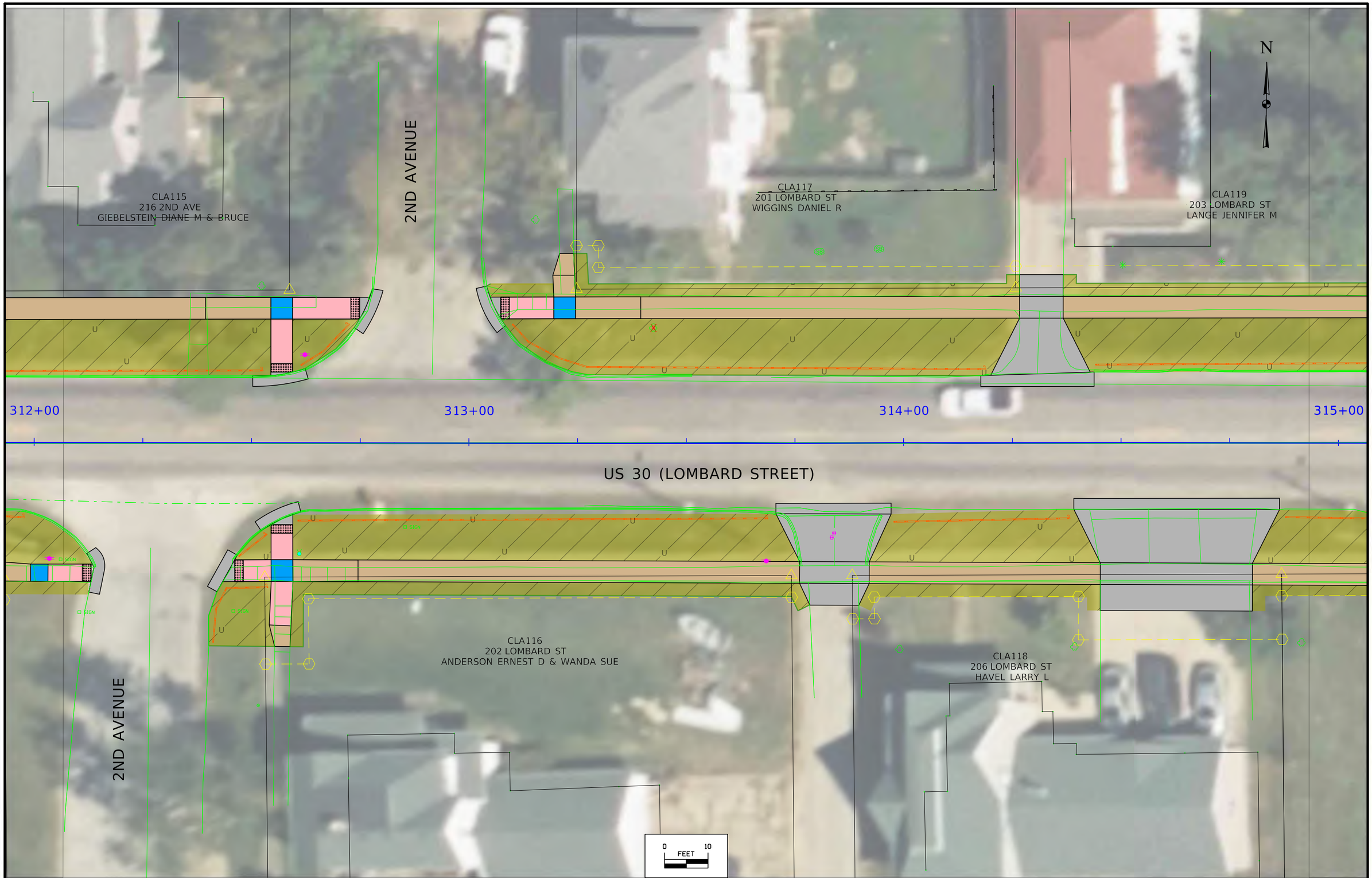

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.6	

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N

CLA121
205 LOMBARD ST
REED MATTHEW W

CLA122
301 LOMBARD ST
BIXLER FRIEDA

CLA124
303 LOMBARD ST
BARBER JAMES A & BARBER JAMES A JR

315+00

316+00

317+00

318+00

US 30 (LOMBARD STREET)

CLA120
300 3RD AVE
WADDELL RYAN D

3RD AVENUE

CLA123
302 LOMBARD ST
SKINNER GARY A & HELEN J

CLA125
304 LOMBARD ST
WACKER ROGER A & BETTY S

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.7

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FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.8	

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CLA130
401 LOMBARD ST
DAHM ANDREW J

CLA132
403 LOMBARD ST
HUSMANN EVERETT J LLC

CLA134
405 LOMBARD ST
JONES LISA

CLA136
407 LOMBARD ST
MEYER ROSEMARY

N

321+00

322+00

323+00

324+00

US 30 (LOMBARD STREET)

CLA131
402 LOMBARD ST
DERYNCK RANDY S & JADE S

CLA133
404 LOMBARD ST
BLAKE MICHAEL L

CLA135
302 5TH AVE
FREEMAN FARMS LLC

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.9	

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N

CLA137
411 LOMBARD ST
CITY OF CLARENCE

CLA138
501 LOMBARD ST
DENNIS RODNEY K & LORI L

CLA141
507 LOMBARD ST
MLBCSM INC.

324+00

325+00

326+00

327+00

US 30 (LOMBARD STREET)

CLA135
302 5TH AVE
FREEMAN FARMS LLC

5TH AVENUE

CLA139
502 LOMBARD ST
SPARBEL STEVEN

CLA140
504 & APT1LOMBARD ST
SPARBEL STEVEN

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.10	

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N

CLA141
MBARD ST
SM INC.

CLA142
509 & APT1LOMBARD ST
MILL CREEK CAFE LLC

CLA144
511 LOMBARD ST
ONION GROVE MERCANTILE LLC

CLA146
515 LOMBARD ST
MAURER KYLE R

CLA149
517 LOMBARD ST
MILL CREEK CAFE LLC

CLA150
519 LOMBARD ST
DIAMOND CUTTER GRAPHICS LLC

CLA151
202 & APT16TH AVE
DIRKS RUSSELL A

CLA153
601
LOMBARD ST
ROBINSON KATHRYN

327+00

328+00

329+00

330+00

US 30 (LOMBARD STREET)

CLA143
510 LOMBARD ST
BLAKE MICHAEL L

CLA145
512 LOMBARD ST
THURSTON MICKEY D

CLA147
514 LOMBARD ST
NEIGHBOR INSURANCE SERVICES INC

CLA148
LOMBARD ST
CITY OF CLARENCE

6TH AVENUE

CLA152
602 LOMBARD ST
THURSTON MICKEY DEAN

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.11	

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LA153
601
BARD ST
ON KATHRYN

CLA154
603 LOMBARD ST
NIERMEYER R &
J LIVING TRUST

CLA156
605 LOMBARD ST
DEBNER ROBERT L

CLA158
609 LOMBARD ST
DEBNER ROBERT

CLA159
611 LOMBARD ST
BLAKE MICHAEL L

CLA160
LOMBARD ST
RIVER VALLEY COOPERATIVE

CLA162
619 LOMBARD ST
RV COOP

CLA166
LOMBARD ST
CITY OF CLARENCE

N

330+00

331+00

332+00

333+00

US 30 (LOMBARD STREET)

CLA155
604 LOMBARD ST
CLARENCE TELEPHONE COMPANY, INC

CLA157
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA161
608 LOMBARD ST
CLARENCE TELEPHONE CO

CLA163
618 LOMBARD ST
CLARENCE TELEPHONE CO

CLA164
620 LOMBARD ST
WENDEL BRIAN L & MICHELLE L

CLA165

MILLER BARTON J & LISA J

CLA167
628 LOMBARD ST
MILLER LISA & BART

2
RD ST
KEY DEAN

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.12

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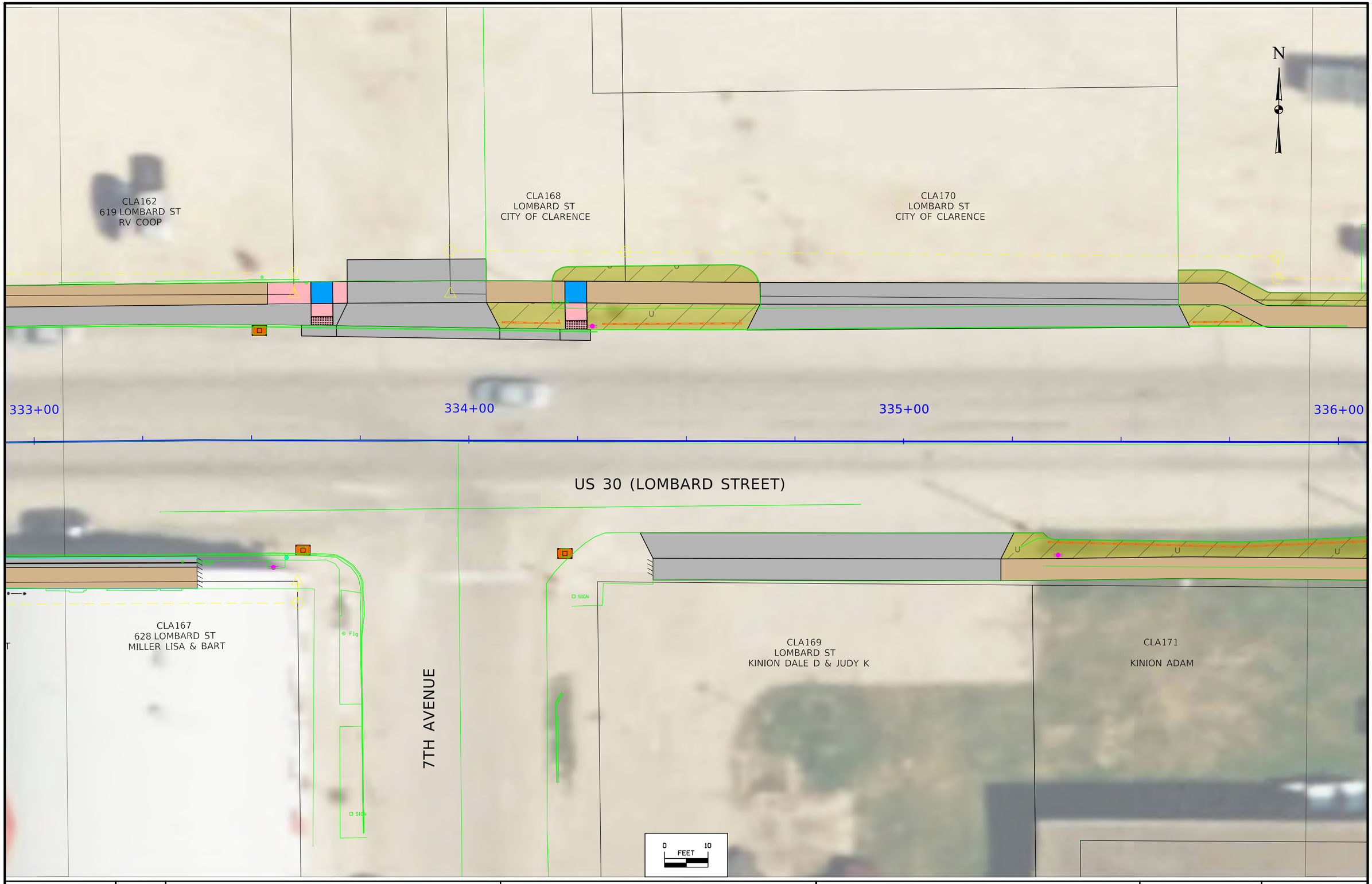

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.13

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CLA170
LOMBARD ST
CITY OF CLARENCE

727 LOMBARD ST
THURSTON MICKEY DEAN & NDREA

N

336+00

337+00

338+00

339+00

PC 338+36.47

US 30 (LOMBARD STREET)

CLA171
KINION ADAM

CLA172
730 LOMBARD ST
LINCOLN STORAGE LLC

8TH AVENUE

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.14	

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N

PI 339+59.40

339+00

340+00

341+00

342+00

PT 340+81.16

US 30 (LOMBARD STREET)

Δ = 13°45'12.77" (RT)
T = 122.94
L = 244.69
R = 1019.35
E = 7.39
e = ___
L = ___
X = ___

CLA173

HAHN DONALD & JEANNE

802 LOMBARD ST
FRAHM DAVID L

804 LOMBARD ST
THURSTON TOBY & TINA R

8TH AVENUE

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.15	

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N

342+00

343+00

344+00

345+00

US 30 (LOMBARD STREET)

804 LOMBARD ST
THURSTON TOBY & TINA R

810 LOMBARD ST
BLAKE MICHAEL

9TH AVENUE

CA174
301 9TH AVE
HANSEN JASON & NICHOLE

0 10
FEET

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER RR.16	

9:11:26 PM 10/1/2023 jlp3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1603002020\Design\CADD_Files\Sheet_Files\SHT_16030056_RR.dgn

UTILITY LEGEND

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

Reference Point
Station

- Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Clearing & Grubbing Area
- Pavement Removal

RIGHT-OF-WAY LEGEND

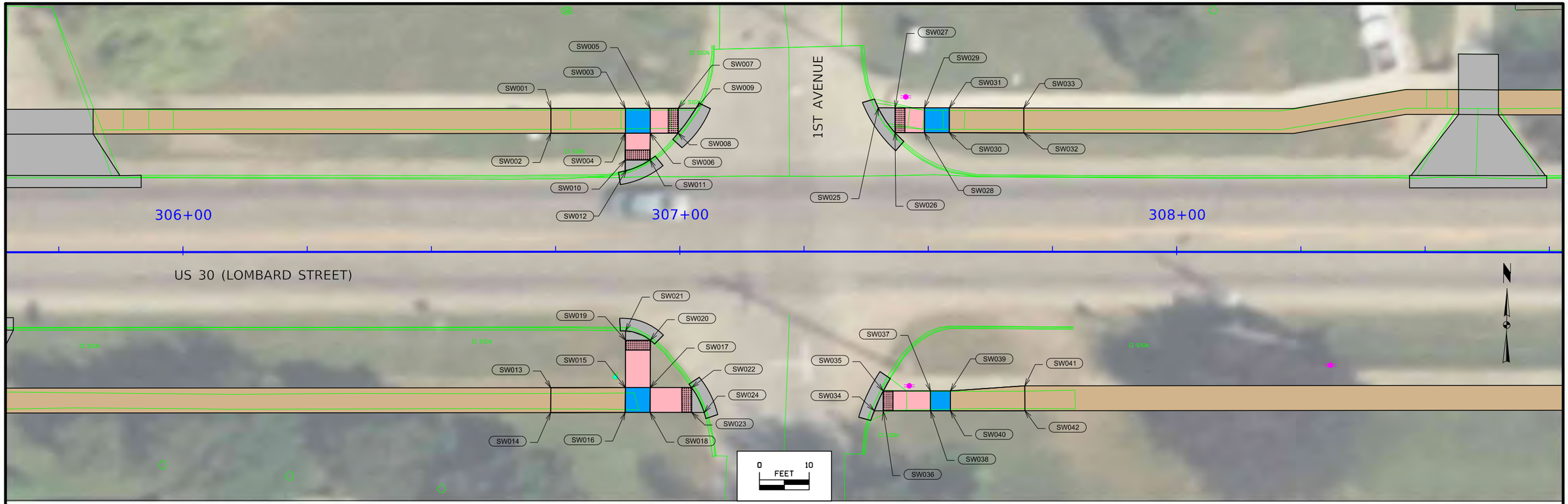
- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- A/C Access Control

SIDEWALK LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES S)

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER S.1	

4:42:06 PM 10/2/2023 jlp3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1603002020\Design\CADD_Files\Sheet_Files\SHT_16030056_LGD.dgn



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	"_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
SW001	SW002	Sidewalk Cross Slope	4	5.00	-0.07	-1.5%	0.5% to 2.0%					SW001	306+74.09	-28.81	833.59
SW001	SW003	Sidewalk Running Slope	4	15.00	-0.10	-0.7%	0.5% to 5.0%					SW002	306+74.06	-23.81	833.52
SW002	SW004	Sidewalk Running Slope	4	15.00	-0.11	-0.7%	0.5% to 5.0%					SW003	306+89.09	-28.82	833.49
SW003	SW004	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW004	306+89.07	-23.82	833.41
SW003	SW005	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW005	306+94.09	-28.82	833.41
SW004	SW006	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW006	306+94.06	-23.82	833.34
SW004	SW010	Ramp Running Slope	6	5.40	0.03	0.6%	0.5% to 8.3%					SW007	306+99.70	-28.82	833.06
SW005	SW006	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW008	306+99.70	-23.82	832.99
SW005	SW007	Ramp Running Slope	6	5.60	-0.35	-6.3%	0.5% to 8.3%					SW009	307+03.32	-28.82	832.64
SW006	SW008	Ramp Running Slope	6	5.60	-0.35	-6.3%	0.5% to 8.3%					SW010	306+89.03	-18.43	833.44
SW006	SW011	Ramp Running Slope	6	5.40	0.03	0.6%	0.5% to 8.3%					SW011	306+94.03	-18.44	833.37
SW007	SW008	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					SW012	306+89.01	-16.23	833.64
SW010	SW011	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%								
SW013	SW014	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%					SW013	306+74.02	27.35	834.29
SW013	SW015	Sidewalk Running Slope	4	15.00	-0.08	-0.5%	0.5% to 5.0%					SW014	306+73.98	32.35	834.36
SW014	SW016	Sidewalk Running Slope	4	15.00	-0.08	-0.5%	0.5% to 5.0%					SW015	306+89.02	27.35	834.21
SW015	SW016	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW016	306+88.99	32.35	834.28
SW015	SW017	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					SW017	306+94.02	27.35	834.13
SW015	SW019	Ramp Running Slope	6	9.50	-0.23	-2.4%	0.5% to 8.3%					SW018	306+93.99	32.35	834.21
SW016	SW018	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW019	306+89.08	17.82	833.98
SW017	SW018	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW020	306+94.08	17.82	833.91
SW017	SW020	Ramp Running Slope	6	9.50	-0.23	-2.4%	0.5% to 8.3%					SW021	306+89.09	15.92	833.94
SW017	SW022	Ramp Running Slope	6	8.35	-0.25	-3.0%	0.5% to 8.3%					SW022	307+02.36	27.35	833.88
SW018	SW023	Ramp Running Slope	6	8.35	-0.25	-3.0%	0.5% to 8.3%					SW023	307+02.36	32.35	833.96
SW019	SW020	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					SW024	307+04.89	32.35	834.03
SW022	SW023	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%								

SIDEWALK COMPLIANCE

See S Sheets

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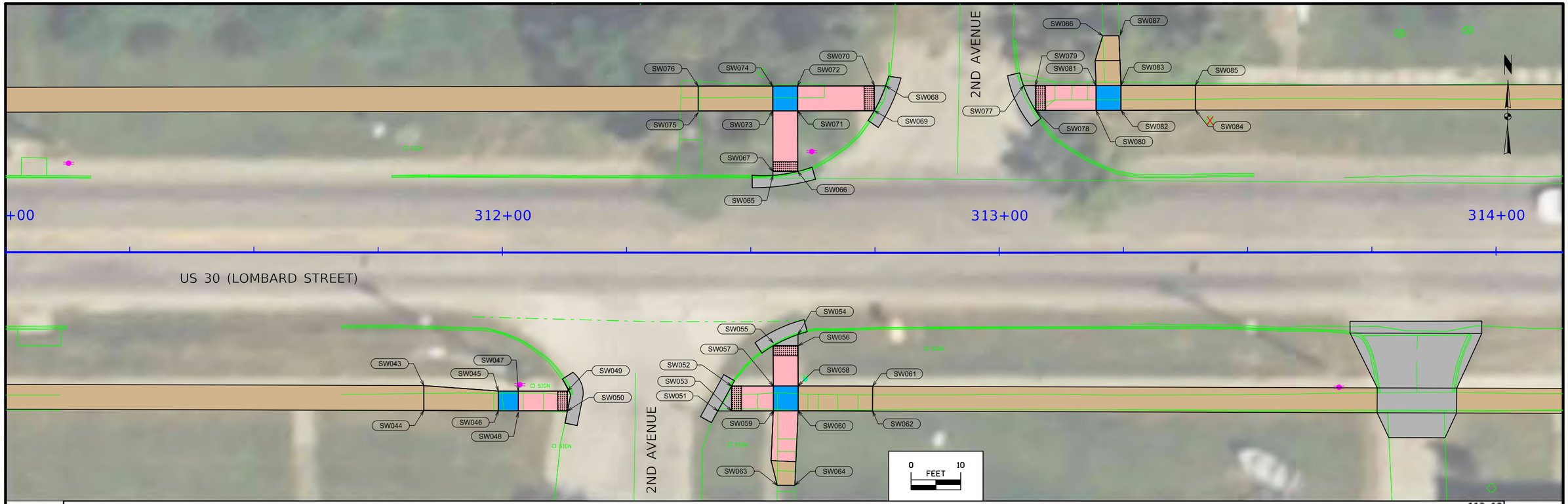
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW026	SW027	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW025	307+39.92	-28.89	832.60
SW026	SW028	Ramp Running Slope	6	5.90	0.30	5.0%	0.5% to 8.3%					SW026	307+43.30	-23.89	832.98
SW027	SW029	Ramp Running Slope	6	5.90	0.30	5.0%	0.5% to 8.3%					SW027	307+43.29	-28.89	833.05
SW028	SW029	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW028	307+49.22	-23.91	833.28
SW028	SW030	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW029	307+49.21	-28.91	833.35
SW029	SW031	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW030	307+54.22	-23.92	833.35
SW030	SW031	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW031	307+54.21	-28.92	833.43
SW030	SW032	Sidewalk Running Slope	4	15.00	0.14	0.9%	0.5% to 5.0%					SW032	307+69.22	-23.90	833.49
SW031	SW033	Sidewalk Running Slope	4	15.00	0.14	0.9%	0.5% to 5.0%					SW033	307+69.21	-28.90	833.57
SW032	SW033	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW035	SW036	Ramp Cross Slope	6	4.00	0.06	1.5%	0.1% to 2.0%					SW034	307+39.15	31.97	834.10
SW035	SW037	Ramp Running Slope	6	9.50	0.60	6.3%	0.5% to 8.3%					SW035	307+41.48	27.02	834.06
SW036	SW038	Ramp Running Slope	6	9.50	0.60	6.3%	0.5% to 8.3%					SW036	307+41.49	32.02	834.12
SW037	SW038	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW037	307+49.48	27.01	834.65
SW037	SW039	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW038	307+49.49	32.01	834.71
SW038	SW040	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW039	307+54.48	27.00	834.71
SW039	SW040	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW040	307+54.49	32.00	834.77
SW039	SW041	Sidewalk Running Slope	4	15.00	0.24	1.6%	0.5% to 5.0%					SW041	307+69.48	26.97	834.95
SW040	SW042	Sidewalk Running Slope	4	15.00	0.26	1.7%	0.5% to 5.0%					SW042	307+69.49	31.97	835.03
SW041	SW042	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW043	SW044	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%					SW043	311+84.21	26.78	833.80
SW043	SW045	Sidewalk Running Slope	4	15.00	-0.17	-1.1%	0.5% to 5.0%					SW044	311+84.22	31.78	833.87
SW044	SW046	Sidewalk Running Slope	4	15.00	-0.19	-1.2%	0.5% to 5.0%					SW045	311+99.21	26.82	833.63
SW045	SW046	Landing/Turning Space	4	4.00	0.06	1.4%	0.1% to 2.0%					SW046	311+99.22	31.82	833.69
SW045	SW047	Landing/Turning Space	4	4.00	-0.06	-1.5%	0.1% to 2.0%					SW047	312+04.21	26.83	833.57
SW046	SW048	Landing/Turning Space	4	4.00	-0.06	-1.5%	0.1% to 2.0%					SW048	312+04.22	31.83	833.63
SW047	SW048	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW049	312+12.94	26.85	833.07
SW047	SW049	Ramp Running Slope	6	9.90	-0.50	-5.0%	0.5% to 8.3%					SW050	312+12.93	31.85	833.14
SW048	SW050	Ramp Running Slope	6	9.90	-0.49	-5.0%	0.5% to 8.3%								
SW049	SW050	Ramp Cross Slope	6	4.00	0.06	1.5%	0.1% to 2.0%								
SW052	SW053	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW051	312+43.39	31.85	833.17
SW052	SW057	Ramp Running Slope	6	8.40	0.16	1.9%	0.5% to 8.3%					SW052	312+46.15	26.84	832.94
SW053	SW059	Ramp Running Slope	6	8.40	0.16	1.9%	0.5% to 8.3%					SW053	312+46.16	31.84	833.01
SW055	SW056	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW054	312+59.52	16.45	832.58
SW055	SW057	Ramp Running Slope	6	8.10	0.51	6.2%	0.5% to 8.3%					SW055	312+54.52	18.73	832.59
SW056	SW058	Ramp Running Slope	6	8.10	0.51	6.2%	0.5% to 8.3%					SW056	312+59.52	18.72	832.66
SW057	SW058	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW057	312+54.54	26.83	833.09
SW057	SW059	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW058	312+59.53	26.81	833.17
SW058	SW060	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW059	312+54.55	31.83	833.17
SW058	SW061	Sidewalk Running Slope	4	15.00	0.53	3.5%	0.5% to 5.0%					SW060	312+59.55	31.81	833.24
SW059	SW060	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW061	312+74.54	26.85	833.78
SW059	SW063	Sidewalk Running Slope	4	15.00	1.76	11.7%	0.5% to 12.7%				Length constructed must exceed 15 feet at a uniform running slope	SW062	312+74.53	31.85	833.77
SW060	SW062	Sidewalk Running Slope	4	15.00	0.53	3.5%	0.5% to 5.0%					SW063	312+53.90	46.76	834.93
SW060	SW064	Sidewalk Running Slope	4	15.00	1.72	11.5%	0.5% to 12.5%				Length constructed must exceed 15 feet at a uniform running slope	SW064	312+58.90	46.79	834.96
SW061	SW062	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW063	SW064	Match Existing Cross Slope	4	5.00	0.04	0.8%	Match Existing								

SIDEWALK COMPLIANCE

See S Sheets

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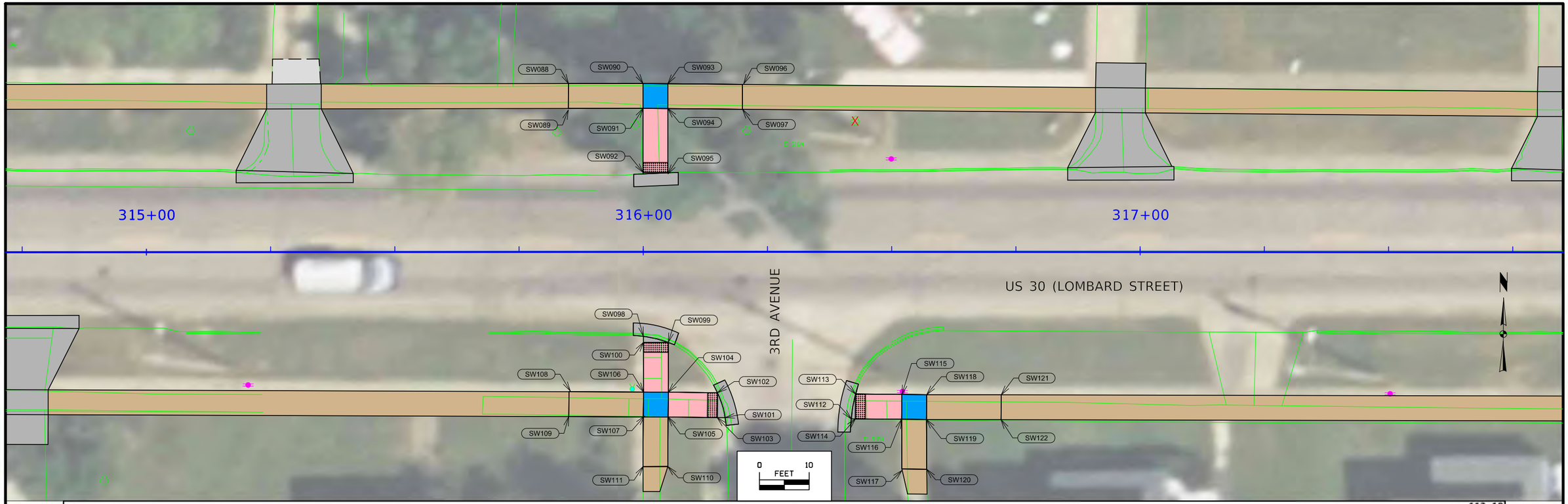
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW066	SW067	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW065	312+54.44	-15.55	832.62
SW066	SW071	Ramp Running Slope	6	12.20	0.24	2.0%	0.5% to 8.3%					SW066	312+59.44	-16.33	832.59
SW067	SW073	Ramp Running Slope	6	12.20	0.24	2.0%	0.5% to 8.3%					SW067	312+54.44	-16.32	832.66
SW069	SW070	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW068	312+77.14	-33.56	832.33
SW069	SW071	Ramp Running Slope	6	15.40	0.43	2.8%	0.5% to 8.3%					SW069	312+74.84	-28.56	832.40
SW070	SW072	Ramp Running Slope	6	15.40	0.43	2.8%	0.5% to 8.3%					SW070	312+74.87	-33.56	832.47
SW071	SW072	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW071	312+59.41	-28.52	832.83
SW071	SW073	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW072	312+59.40	-33.52	832.90
SW072	SW074	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW073	312+54.41	-28.51	832.90
SW073	SW074	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW074	312+54.40	-33.51	832.98
SW073	SW075	Sidewalk Running Slope	4	15.00	-0.33	-2.2%	0.5% to 5.0%					SW075	312+39.41	-28.47	832.57
SW074	SW076	Sidewalk Running Slope	4	15.00	-0.33	-2.2%	0.5% to 5.0%					SW076	312+39.40	-33.47	832.65
SW075	SW076	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW078	SW079	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW077	313+04.91	-33.59	832.21
SW078	SW080	Ramp Running Slope	6	12.20	0.24	2.0%	0.5% to 8.3%					SW078	313+07.35	-28.60	832.23
SW079	SW081	Ramp Running Slope	6	12.20	0.24	2.0%	0.5% to 8.3%					SW079	313+07.35	-33.60	832.31
SW080	SW081	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW080	313+19.54	-28.61	832.48
SW080	SW082	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW081	313+19.53	-33.61	832.55
SW081	SW083	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW082	313+24.54	-28.61	832.55
SW081	SW086	Sidewalk Running Slope	4	10.00	-0.23	-2.3%	0.5% to 5.0%					SW083	313+24.53	-33.61	832.63
SW082	SW083	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW084	313+39.54	-28.62	832.16
SW082	SW084	Sidewalk Running Slope	4	15.00	-0.39	-2.6%	0.5% to 5.0%					SW085	313+39.53	-33.62	832.24
SW083	SW085	Sidewalk Running Slope	4	15.00	-0.39	-2.6%	0.5% to 5.0%					SW086	313+19.13	-43.61	832.33
SW083	SW087	Sidewalk Running Slope	4	10.00	-0.31	-3.1%	0.5% to 5.0%					SW087	313+24.13	-43.61	832.32
SW084	SW085	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW086	SW087	Match Existing Cross Slope	4	5.00	-0.01	-0.1%	Match Existing								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
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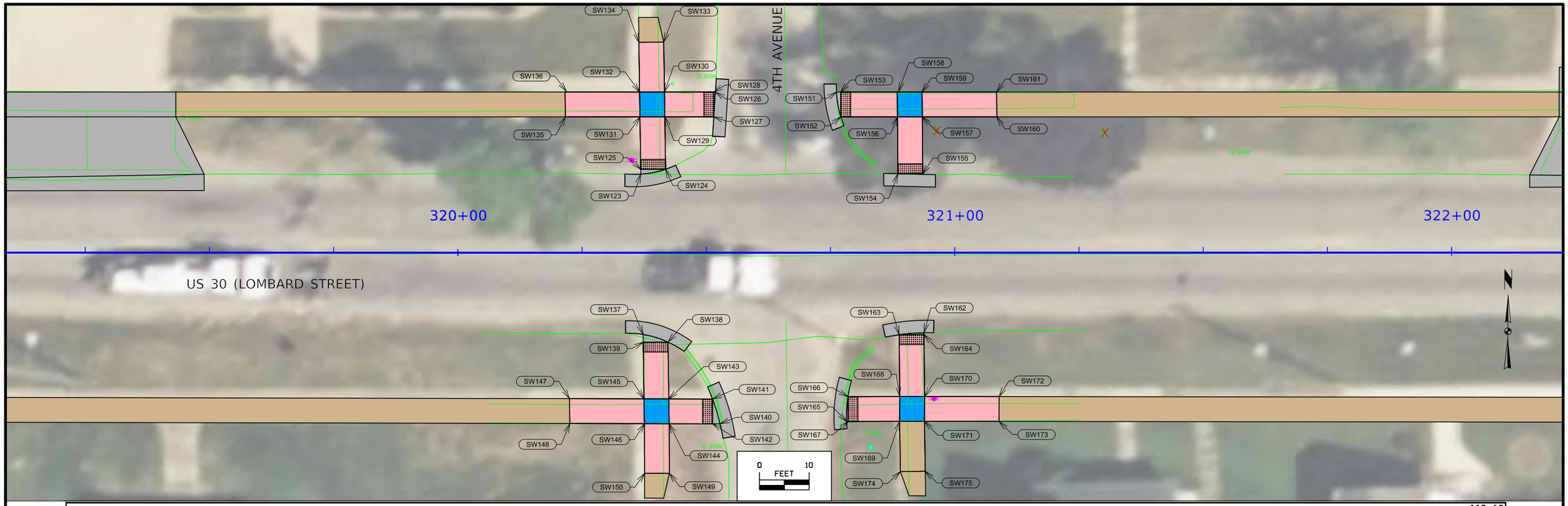
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
SW088	SW089	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					SW088	315+84.97	-33.86	827.36
SW088	SW090	Sidewalk Running Slope	4	15.00	-0.08	-0.6%	0.5% to 5.0%					SW089	315+84.93	-28.86	827.28
SW089	SW091	Sidewalk Running Slope	4	15.00	-0.08	-0.6%	0.5% to 5.0%					SW090	315+99.97	-33.87	827.27
SW090	SW091	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW091	315+99.97	-28.87	827.20
SW090	SW093	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW092	315+99.99	-16.00	826.97
SW091	SW092	Ramp Running Slope	6	12.90	-0.23	-1.8%	0.5% to 8.3%					SW093	316+04.97	-33.82	827.20
SW091	SW094	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW094	316+04.97	-28.82	827.12
SW092	SW095	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					SW095	316+04.99	-16.00	826.89
SW093	SW094	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW096	316+19.97	-33.68	826.68
SW093	SW096	Sidewalk Running Slope	4	15.00	-0.51	-3.4%	0.5% to 5.0%					SW097	316+19.97	-28.68	826.61
SW094	SW095	Ramp Running Slope	6	12.80	-0.23	-1.8%	0.5% to 8.3%								
SW094	SW097	Sidewalk Running Slope	4	15.00	-0.51	-3.4%	0.5% to 5.0%								
SW096	SW097	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%								
SW099	SW100	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW098	316+00.02	16.97	827.17
SW099	SW104	Ramp Running Slope	6	10.00	0.08	0.8%	0.5% to 8.3%					SW099	316+05.02	18.20	827.08
SW100	SW106	Ramp Running Slope	6	10.00	0.08	0.8%	0.5% to 8.3%					SW100	316+00.02	18.20	827.16
SW102	SW103	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW101	316+16.49	33.33	826.96
SW102	SW104	Ramp Running Slope	6	9.90	0.30	3.0%	0.5% to 8.3%					SW102	316+14.93	28.31	826.86
SW103	SW105	Ramp Running Slope	6	9.90	0.30	3.0%	0.5% to 8.3%					SW103	316+14.88	33.31	826.94
SW104	SW105	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW104	316+05.03	28.21	827.16
SW104	SW106	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW105	316+04.99	33.21	827.23
SW105	SW107	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW106	316+00.03	28.17	827.23
SW105	SW110	Sidewalk Running Slope	4	10.00	-0.09	-0.9%	0.5% to 5.0%					SW107	315+99.99	33.16	827.31
SW106	SW107	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW108	315+85.03	28.10	827.35
SW106	SW108	Sidewalk Running Slope	4	15.00	0.12	0.8%	0.5% to 5.0%					SW109	315+84.99	33.10	827.43
SW107	SW109	Sidewalk Running Slope	4	15.00	0.12	0.8%	0.5% to 5.0%					SW110	316+04.93	43.16	827.14
SW107	SW111	Sidewalk Running Slope	4	10.00	-0.15	-1.5%	0.5% to 5.0%					SW111	315+99.93	43.16	827.16
SW108	SW109	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW110	SW111	Match Existing Cross Slope	4	5.00	0.01	0.3%	Match Existing								

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW113	SW114	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW112	316+41.84	33.56	826.72
SW113	SW115	Ramp Running Slope	6	9.30	0.09	1.0%	0.5% to 8.3%					SW113	316+42.75	28.56	826.57
SW114	SW116	Ramp Running Slope	6	9.30	0.09	1.0%	0.5% to 8.3%					SW114	316+42.70	33.56	826.64
SW115	SW116	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW115	316+52.06	28.65	826.66
SW115	SW118	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW116	316+52.02	33.65	826.74
SW116	SW117	Sidewalk Running Slope	4	10.00	-0.13	-1.3%	0.5% to 5.0%					SW117	316+52.07	43.65	826.60
SW116	SW119	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW118	316+57.06	28.69	826.74
SW117	SW120	Match Existing Cross Slope	4	5.00	0.00	0.0%	Match Existing					SW119	316+57.02	33.69	826.81
SW118	SW119	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW120	316+57.07	43.69	826.60
SW118	SW121	Sidewalk Running Slope	4	15.00	-0.42	-2.8%	0.5% to 5.0%					SW121	316+72.06	28.72	826.31
SW119	SW120	Sidewalk Running Slope	4	10.00	-0.21	-2.1%	0.5% to 5.0%					SW122	316+72.02	33.72	826.39
SW119	SW122	Sidewalk Running Slope	4	15.00	-0.43	-2.8%	0.5% to 5.0%								
SW121	SW122	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW124	SW125	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					SW123	320+36.81	-15.80	826.56
SW124	SW129	Ramp Running Slope	6	10.60	-0.32	-3.0%	0.5% to 8.3%					SW124	320+41.80	-16.78	826.66
SW125	SW131	Ramp Running Slope	6	10.60	-0.32	-3.0%	0.5% to 8.3%					SW125	320+36.80	-16.78	826.59
SW127	SW128	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					SW126	320+51.83	-32.34	826.57
SW127	SW129	Ramp Running Slope	6	9.90	-0.25	-2.5%	0.5% to 8.3%					SW127	320+51.51	-27.34	826.59
SW128	SW130	Ramp Running Slope	6	9.90	-0.25	-2.5%	0.5% to 8.3%					SW128	320+51.51	-32.34	826.51
SW129	SW130	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW129	320+41.65	-27.34	826.34
SW129	SW131	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW130	320+41.58	-32.34	826.26
SW130	SW132	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW131	320+36.65	-27.34	826.27
SW130	SW133	Ramp Running Slope	6	10.00	-0.39	-3.9%	0.5% to 8.3%				Length constructed must exceed 15 feet at a uniform running slope	SW132	320+36.58	-32.34	826.19
SW131	SW132	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW133	320+41.37	-47.34	825.88
SW131	SW135	Ramp Running Slope	6	15.00	-0.56	-3.7%	0.5% to 8.3%					SW134	320+36.37	-47.34	825.85
SW132	SW134	Ramp Running Slope	6	10.00	-0.34	-3.4%	0.5% to 8.3%				Length constructed must exceed 15 feet at a uniform running slope	SW135	320+21.64	-27.34	825.71
SW132	SW136	Ramp Running Slope	6	15.00	-0.41	-2.7%	0.5% to 8.3%					SW136	320+21.57	-32.34	825.78
SW133	SW134	Match Existing Cross Slope	4	5.00	-0.03	-0.5%	Match Existing								
SW135	SW136	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								

SIDEWALK COMPLIANCE

See S Sheets

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(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
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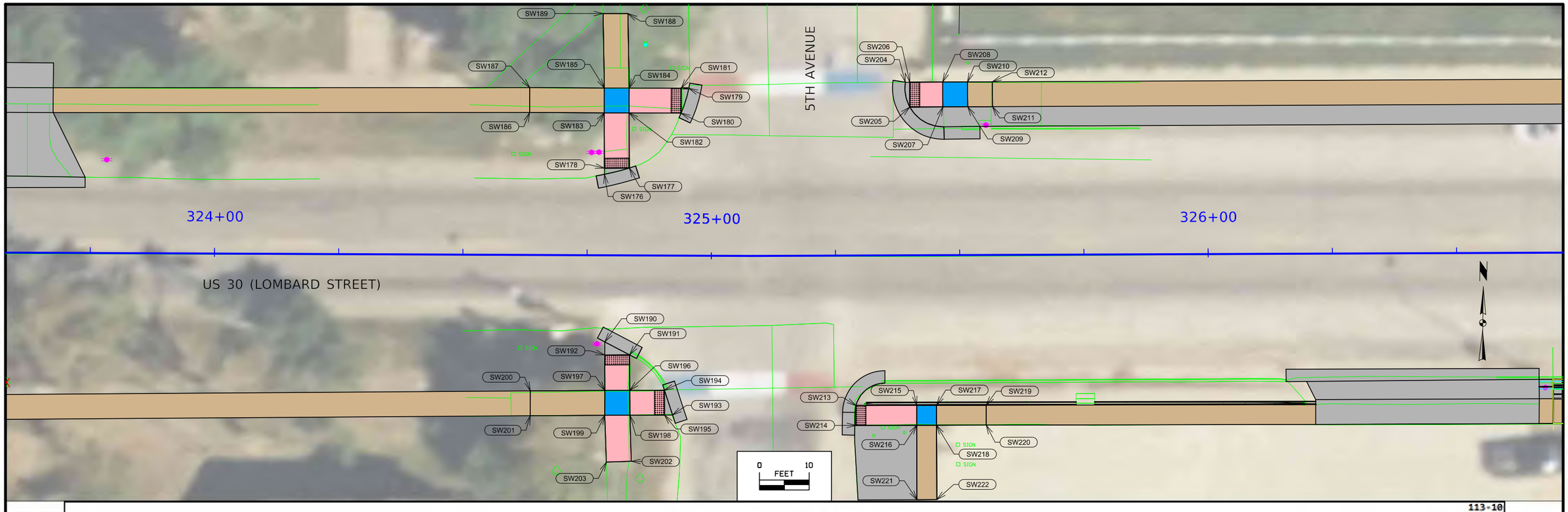
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW138	SW139	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					SW137	320+37.27	16.46	826.35
SW138	SW143	Ramp Running Slope	6	11.40	0.07	0.6%	0.5% to 8.3%					SW138	320+42.29	18.00	826.46
SW139	SW145	Ramp Running Slope	6	11.40	0.07	0.6%	0.5% to 8.3%					SW139	320+37.29	18.00	826.39
SW141	SW142	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW140	320+52.77	34.47	826.80
SW141	SW143	Ramp Running Slope	6	8.80	-0.22	-2.5%	0.5% to 8.3%					SW141	320+51.25	29.46	826.75
SW142	SW144	Ramp Running Slope	6	8.80	-0.22	-2.5%	0.5% to 8.3%					SW142	320+51.24	34.46	826.83
SW143	SW144	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW143	320+42.45	29.44	826.53
SW143	SW145	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW144	320+42.52	34.44	826.61
SW144	SW146	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					SW145	320+37.45	29.43	826.46
SW144	SW149	Ramp Running Slope	6	15.00	-0.32	-2.2%	0.5% to 8.3%					SW146	320+37.55	34.43	826.53
SW145	SW146	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW147	320+22.46	29.40	825.98
SW145	SW147	Ramp Running Slope	6	15.00	-0.48	-3.2%	0.5% to 8.3%					SW148	320+22.53	34.40	826.05
SW146	SW148	Ramp Running Slope	6	15.00	-0.48	-3.2%	0.5% to 8.3%					SW149	320+42.56	49.42	826.28
SW146	SW150	Ramp Running Slope	6	15.00	-0.33	-2.2%	0.5% to 8.3%					SW150	320+37.56	49.43	826.21
SW147	SW148	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%								
SW149	SW150	Match Existing Cross Slope	4	5.00	-0.08	-1.5%	Match Existing								
SW152	SW153	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW151	320+76.19	-32.34	826.99
SW152	SW156	Ramp Running Slope	6	11.40	0.71	6.3%	0.5% to 8.3%					SW152	320+77.06	-27.34	827.11
SW153	SW158	Ramp Running Slope	6	11.40	0.71	6.3%	0.5% to 8.3%					SW153	320+77.06	-32.34	827.19
SW154	SW155	Match Existing Cross Slope	4	5.00	0.20	4.0%	Match Existing				Match curb profile	SW154	320+88.56	-15.88	828.06
SW154	SW156	Ramp Running Slope	6	11.50	-0.24	-2.1%	0.5% to 8.3%					SW155	320+93.56	-15.89	828.26
SW155	SW157	Ramp Running Slope	6	11.50	-0.36	-3.1%	0.5% to 8.3%					SW156	320+88.47	-27.34	827.82
SW156	SW157	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW157	320+93.47	-27.34	827.90
SW156	SW158	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW158	320+88.43	-32.34	827.90
SW157	SW159	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW159	320+93.43	-32.34	827.97
SW157	SW160	Ramp Running Slope	6	15.00	0.88	5.9%	0.5% to 8.3%					SW160	321+08.47	-27.33	828.78
SW158	SW159	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW161	321+08.43	-32.33	828.86
SW159	SW161	Ramp Running Slope	6	15.00	0.88	5.9%	0.5% to 8.3%								
SW160	SW161	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%								
SW163	SW164	Match Existing Cross Slope	4	5.00	0.25	5.0%	Match Existing				Slope required to match existing conditions	SW162	320+93.81	16.11	828.11
SW163	SW168	Ramp Running Slope	6	12.50	0.24	1.9%	0.5% to 8.3%					SW163	320+88.81	16.51	827.83
SW164	SW170	Ramp Running Slope	6	12.50	0.06	0.5%	0.5% to 8.3%					SW164	320+93.81	16.51	828.08
SW166	SW167	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW165	320+78.21	34.01	827.39
SW166	SW168	Ramp Running Slope	6	10.50	0.66	6.3%	0.5% to 8.3%					SW166	320+78.49	29.01	827.41
SW167	SW169	Ramp Running Slope	6	10.50	0.66	6.3%	0.5% to 8.3%					SW167	320+78.51	34.01	827.49
SW168	SW169	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW168	320+88.91	28.95	828.07
SW168	SW170	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW169	320+88.90	33.95	828.15
SW169	SW171	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					SW170	320+93.91	28.96	828.15
SW169	SW174	Sidewalk Running Slope	4	15.00	-0.25	-1.7%	0.5% to 5.0%					SW171	320+93.90	33.96	828.21
SW170	SW171	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					SW172	321+08.91	28.99	828.83
SW170	SW172	Ramp Running Slope	6	15.00	0.69	4.6%	0.5% to 8.3%					SW173	321+08.90	33.99	828.91
SW171	SW173	Ramp Running Slope	6	15.00	0.69	4.6%	0.5% to 8.3%					SW174	320+89.14	48.95	827.89
SW171	SW175	Sidewalk Running Slope	4	15.00	-0.25	-1.7%	0.5% to 5.0%					SW175	320+94.14	48.96	827.97
SW172	SW173	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%								
SW174	SW175	Match Existing Cross Slope	4	5.00	0.08	1.5%	Match Existing								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
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Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW177	SW178	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW176	324+78.44	-16.29	838.09
SW177	SW182	Ramp Running Slope	6	11.10	-0.11	-1.0%	0.5% to 8.3%					SW177	324+83.43	-17.58	838.01
SW178	SW183	Ramp Running Slope	6	11.10	-0.11	-1.0%	0.5% to 8.3%					SW178	324+78.43	-17.54	838.08
SW180	SW181	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%					SW179	324+95.33	-33.68	837.36
SW180	SW182	Ramp Running Slope	6	10.50	0.42	4.0%	0.5% to 8.3%					SW180	324+93.80	-28.69	837.48
SW181	SW184	Ramp Running Slope	6	10.50	0.42	4.0%	0.5% to 8.3%					SW181	324+93.80	-33.69	837.41
SW182	SW183	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW182	324+83.34	-28.69	837.90
SW182	SW184	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW183	324+78.34	-28.69	837.97
SW183	SW185	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					SW184	324+83.34	-33.69	837.82
SW183	SW186	Ramp Running Slope	6	15.00	-0.30	-2.0%	0.5% to 8.3%					SW185	324+78.34	-33.69	837.90
SW184	SW185	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW186	324+63.34	-28.69	837.67
SW184	SW188	Ramp Running Slope	6	15.00	-0.50	-3.4%	0.5% to 8.3%					SW187	324+63.34	-33.69	837.60
SW185	SW187	Ramp Running Slope	6	15.00	-0.30	-2.0%	0.5% to 8.3%					SW188	324+83.00	-48.68	837.32
SW185	SW189	Ramp Running Slope	6	15.00	-0.62	-4.1%	0.5% to 8.3%					SW189	324+78.00	-48.68	837.28
SW186	SW187	Ramp Cross Slope	6	5.00	-0.08	-1.5%	0.1% to 2.0%								
SW188	SW189	Match Existing Cross Slope	4	5.00	-0.04	-0.8%	Match Existing								

SIDEWALK COMPLIANCE

See S Sheets

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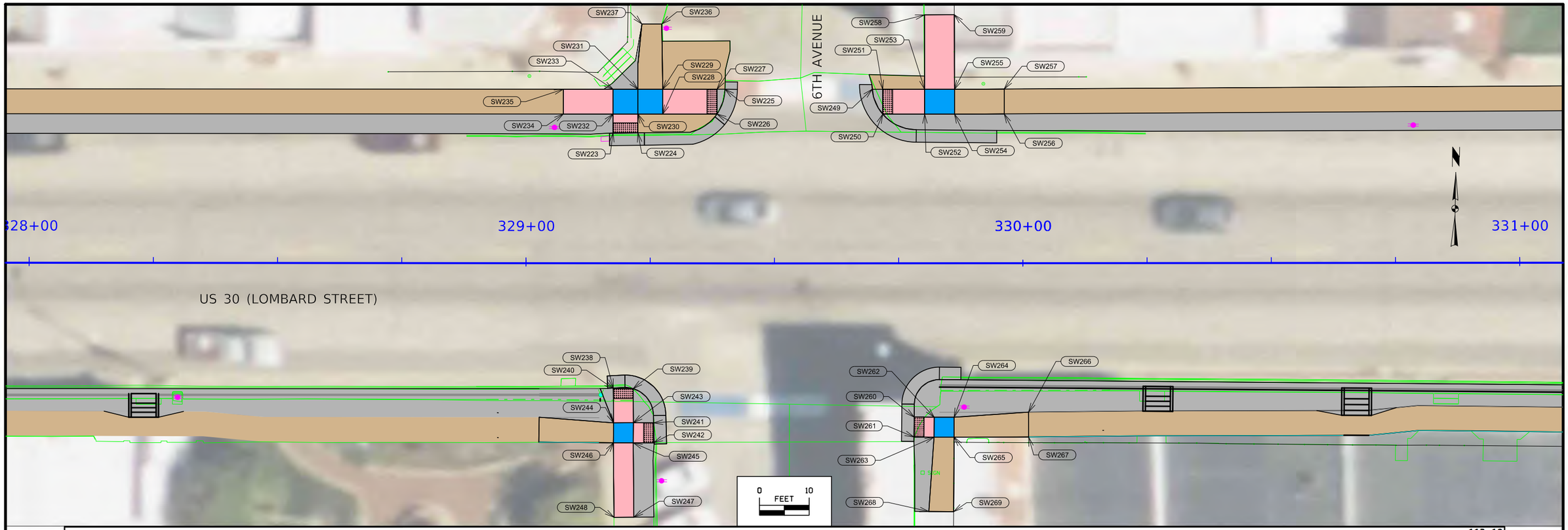
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW191	SW192	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW190	324+78.65	17.43	838.56
SW191	SW196	Ramp Running Slope	6	7.10	0.50	7.0%	0.5% to 8.3%					SW191	324+83.67	20.03	838.69
SW192	SW197	Ramp Running Slope	6	7.10	0.50	7.0%	0.5% to 8.3%					SW192	324+78.67	20.07	838.77
SW194	SW195	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW193	324+92.35	32.09	839.12
SW194	SW196	Ramp Running Slope	6	7.00	0.19	2.7%	0.5% to 8.3%					SW194	324+90.69	27.11	839.00
SW195	SW198	Ramp Running Slope	6	7.00	0.19	2.7%	0.5% to 8.3%					SW195	324+90.73	32.11	839.08
SW196	SW197	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW196	324+83.73	27.16	839.19
SW196	SW198	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW197	324+78.73	27.21	839.26
SW197	SW199	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW198	324+83.77	32.16	839.26
SW197	SW200	Sidewalk Running Slope	4	15.00	0.41	2.7%	0.5% to 5.0%					SW199	324+78.72	32.21	839.34
SW198	SW199	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW200	324+63.73	27.38	839.67
SW198	SW202	Ramp Running Slope	6	10.00	0.71	7.1%	0.5% to 8.3%				Length constructed must exceed 15 feet at a uniform running slope	SW201	324+63.72	32.38	839.75
SW199	SW201	Sidewalk Running Slope	4	15.00	0.41	2.7%	0.5% to 5.0%					SW202	324+84.28	47.01	839.97
SW199	SW203	Ramp Running Slope	6	10.00	0.71	7.1%	0.5% to 8.3%				Length constructed must exceed 15 feet at a uniform running slope	SW203	324+79.28	47.20	840.05
SW200	SW201	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW202	SW203	Match Existing Cross Slope	4	5.00	0.08	1.5%	Match Existing								
SW205	SW206	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW204	325+39.22	-34.84	837.92
SW205	SW207	Ramp Running Slope	6	6.60	0.03	0.5%	0.5% to 8.3%					SW205	325+40.09	-29.84	837.89
SW206	SW208	Ramp Running Slope	6	6.60	0.03	0.5%	0.5% to 8.3%					SW206	325+40.09	-34.84	837.97
SW207	SW208	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW207	325+46.74	-29.84	837.93
SW207	SW209	Landing/Turning Space	4	5.00	0.02	0.5%	0.1% to 2.0%					SW208	325+46.72	-34.84	838.00
SW208	SW210	Landing/Turning Space	4	5.00	0.02	0.5%	0.1% to 2.0%					SW209	325+51.74	-29.84	837.95
SW209	SW210	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW210	325+51.72	-34.84	838.03
SW209	SW211	Sidewalk Running Slope	4	5.00	0.04	0.8%	0.5% to 5.0%					SW211	325+56.74	-29.85	837.99
SW210	SW212	Sidewalk Running Slope	4	5.00	0.04	0.8%	0.5% to 5.0%					SW212	325+56.72	-34.85	838.07
SW211	SW212	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW213	SW214	Match Existing Cross Slope	4	4.00	0.32	8.0%	Match Existing					SW213	325+28.99	30.19	839.28
SW213	SW215	Ramp Running Slope	6	12.20	0.54	4.5%	0.5% to 8.3%					SW214	325+28.99	34.19	839.60
SW214	SW216	Ramp Running Slope	6	12.20	0.28	2.3%	0.5% to 8.3%					SW215	325+41.21	30.21	839.82
SW215	SW216	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW216	325+41.20	34.21	839.88
SW215	SW217	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW217	325+45.21	30.22	839.88
SW216	SW218	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW218	325+45.20	34.22	839.94
SW216	SW221	Sidewalk Running Slope	4	15.00	0.52	3.5%	0.5% to 5.0%					SW219	325+55.21	30.24	839.94
SW217	SW218	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW220	325+55.20	34.24	840.00
SW217	SW219	Sidewalk Running Slope	4	10.00	0.06	0.6%	0.5% to 5.0%					SW221	325+41.20	49.21	840.41
SW218	SW220	Sidewalk Running Slope	4	10.00	0.06	0.6%	0.5% to 5.0%					SW222	325+45.20	49.22	840.36
SW218	SW222	Sidewalk Running Slope	4	15.00	0.42	2.8%	0.5% to 5.0%								
SW219	SW220	Sidewalk Cross Slope	4	4.00	0.06	1.5%	0.5% to 2.0%								
SW221	SW222	Match Existing Cross Slope	4	4.00	-0.04	-1.1%	Match Existing								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW223	SW224	Match Existing Cross Slope	4	5.00	-0.13	-2.5%	Match Existing					SW223	329+17.53	-26.24	834.26
SW223	SW232	Ramp Running Slope	6	3.80	0.03	0.7%	0.5% to 8.3%					SW224	329+22.53	-26.25	834.14
SW224	SW230	Ramp Running Slope	6	3.80	0.08	2.0%	0.5% to 8.3%					SW225	329+40.03	-35.03	833.40
SW226	SW227	Ramp Cross Slope	6	5.00	0.05	1.0%	0.1% to 2.0%					SW226	329+38.43	-30.03	833.50
SW226	SW228	Ramp Running Slope	6	10.90	0.64	5.8%	0.5% to 8.3%					SW227	329+38.43	-35.03	833.55
SW227	SW229	Ramp Running Slope	6	10.90	0.66	6.1%	0.5% to 8.3%					SW228	329+27.52	-30.03	834.14
SW228	SW229	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW229	329+27.51	-35.03	834.22
SW228	SW230	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW230	329+22.52	-30.03	834.22
SW229	SW231	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW231	329+22.51	-35.03	834.29
SW229	SW236	Sidewalk Running Slope	4	13.10	0.27	2.1%	0.5% to 5.0%					SW232	329+17.52	-30.02	834.29
SW230	SW231	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW233	329+17.51	-35.02	834.37
SW230	SW232	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW234	329+07.52	-30.02	834.88
SW231	SW233	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW235	329+07.51	-35.02	834.96
SW231	SW237	Sidewalk Running Slope	4	13.20	0.33	2.5%	0.5% to 5.0%					SW236	329+27.30	-48.15	834.49
SW232	SW233	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW237	329+23.30	-48.14	834.62
SW232	SW234	Ramp Running Slope	6	10.00	0.59	5.9%	0.5% to 8.3%								
SW233	SW235	Ramp Running Slope	6	10.00	0.59	5.9%	0.5% to 8.3%								
SW234	SW235	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%								
SW236	SW237	Match Existing Cross Slope	4	4.00	0.13	3.2%	Match Existing								

SIDEWALK COMPLIANCE

See S Sheets

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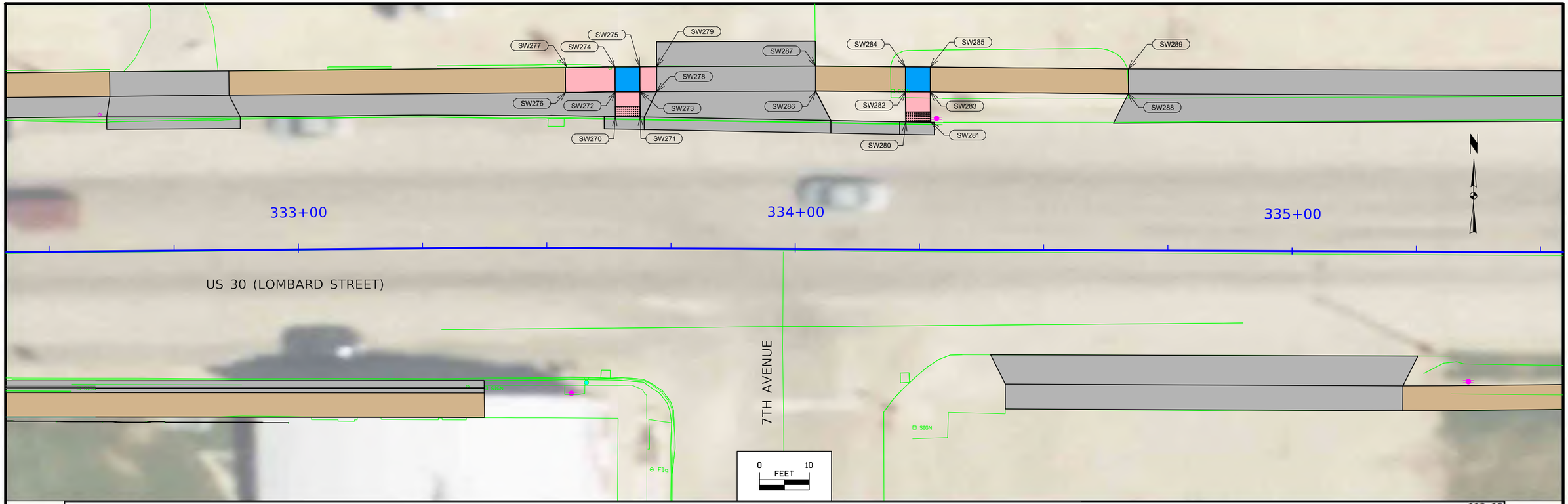
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW239	SW240	Match Existing Cross Slope	4	4.00	-0.16	-4.0%	Match Existing					SW238	329+17.62	25.11	834.91
SW239	SW243	Ramp Running Slope	6	6.90	0.45	6.5%	0.5% to 8.3%					SW239	329+22.62	25.62	835.11
SW240	SW244	Ramp Running Slope	6	6.90	0.55	8.0%	0.5% to 8.3%	Yes				SW240	329+17.62	25.62	834.95
SW241	SW242	Match Existing Cross Slope	4	4.00	0.08	2.0%	Match Existing					SW241	329+25.72	31.10	835.78
SW241	SW243	Ramp Running Slope	6	4.10	-0.22	-5.4%	0.5% to 8.3%					SW242	329+25.73	36.10	835.86
SW242	SW245	Ramp Running Slope	6	4.10	-0.24	-5.9%	0.5% to 8.3%					SW243	329+22.63	31.10	835.56
SW243	SW244	Landing/Turning Space	4	4.00	-0.06	-1.5%	0.1% to 2.0%					SW244	329+17.63	31.11	835.50
SW243	SW245	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW245	329+22.64	36.10	835.62
SW244	SW246	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW246	329+17.64	36.11	835.56
SW245	SW246	Landing/Turning Space	4	4.00	-0.06	-1.5%	0.1% to 2.0%					SW247	329+22.78	51.07	836.61
SW245	SW247	Ramp Running Slope	6	15.00	0.99	6.6%	0.5% to 8.3%					SW248	329+17.78	51.11	836.59
SW246	SW248	Ramp Running Slope	6	15.00	1.03	6.9%	0.5% to 8.3%								
SW247	SW248	Match Existing Cross Slope	4	4.00	-0.02	-0.5%	Match Existing								
SW250	SW251	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%					SW249	329+69.72	-35.01	833.37
SW250	SW252	Ramp Running Slope	6	8.20	0.25	3.1%	0.5% to 8.3%					SW250	329+71.84	-30.01	833.46
SW251	SW253	Ramp Running Slope	6	8.20	0.25	3.1%	0.5% to 8.3%					SW251	329+71.84	-35.01	833.54
SW252	SW253	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW252	329+80.28	-29.99	833.72
SW252	SW254	Landing/Turning Space	4	6.00	0.09	1.5%	0.1% to 2.0%					SW253	329+80.29	-34.99	833.79
SW253	SW255	Landing/Turning Space	4	6.00	0.09	1.5%	0.1% to 2.0%					SW254	329+86.28	-29.99	833.81
SW253	SW258	Ramp Running Slope	6	15.00	-0.85	-5.7%	0.5% to 8.3%					SW255	329+86.29	-34.99	833.88
SW254	SW255	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW256	329+96.28	-30.03	833.95
SW254	SW256	Sidewalk Running Slope	4	10.00	0.15	1.5%	0.5% to 5.0%					SW257	329+96.29	-35.03	834.03
SW255	SW257	Sidewalk Running Slope	4	10.00	0.14	1.4%	0.5% to 5.0%					SW258	329+80.27	-49.98	832.94
SW255	SW259	Ramp Running Slope	6	15.00	-0.77	-5.1%	0.5% to 8.3%					SW259	329+86.27	-49.99	833.11
SW256	SW257	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
SW258	SW259	Match Existing Cross Slope	4	6.00	0.17	2.8%	Match Existing								
SW260	SW261	Match Existing Cross Slope	4	5.00	0.24	4.8%	Match Existing					SW260	329+78.13	29.94	835.71
SW260	SW262	Ramp Running Slope	6	4.00	0.24	6.0%	0.5% to 8.3%					SW261	329+78.07	34.94	835.95
SW261	SW263	Ramp Running Slope	6	4.00	0.06	1.5%	0.5% to 8.3%					SW262	329+81.15	29.97	835.95
SW262	SW263	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW263	329+81.13	34.97	836.01
SW262	SW264	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW264	329+86.15	29.98	836.01
SW263	SW265	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW265	329+86.13	34.98	836.07
SW263	SW268	Sidewalk Running Slope	4	15.00	0.47	3.1%	0.5% to 5.0%					SW266	330+01.15	29.98	836.12
SW264	SW265	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW267	330+01.13	34.98	836.20
SW264	SW266	Sidewalk Running Slope	4	15.00	0.11	0.8%	0.5% to 5.0%					SW268	329+81.04	49.95	836.47
SW265	SW267	Sidewalk Running Slope	4	15.00	0.13	0.9%	0.5% to 5.0%					SW269	329+86.04	49.98	836.49
SW265	SW269	Sidewalk Running Slope	4	15.00	0.43	2.8%	0.5% to 5.0%								
SW266	SW267	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW268	SW269	Match Existing Cross Slope	4	5.00	0.02	0.4%	Match Existing								
END															



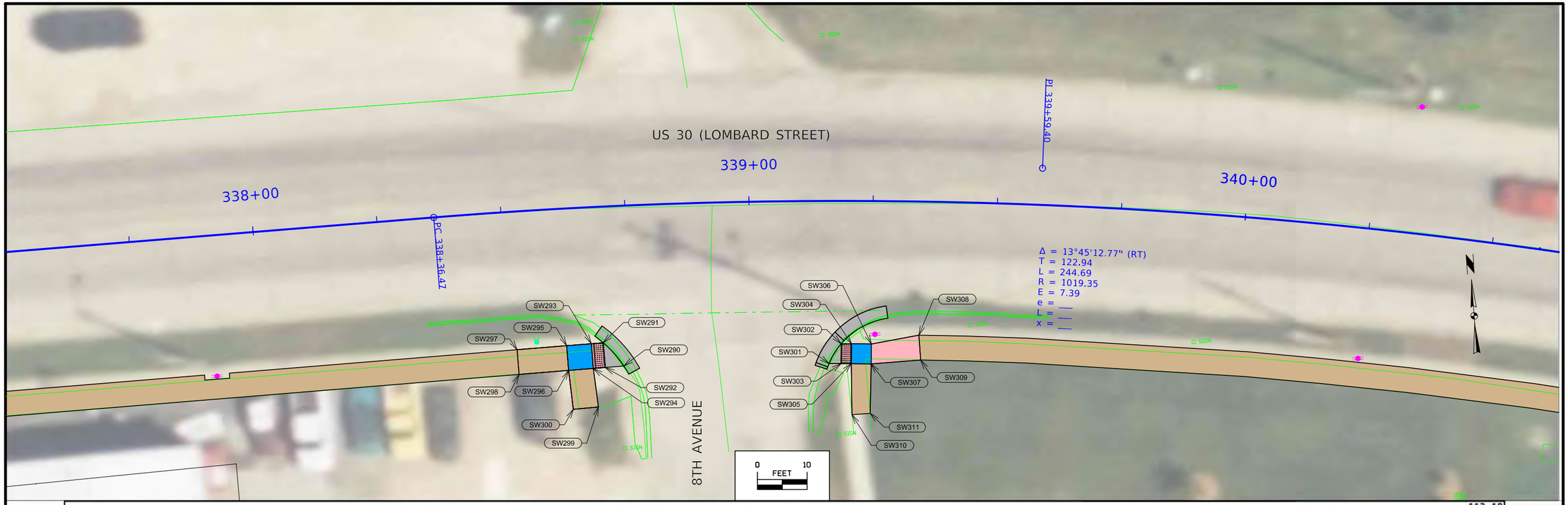
113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
				FT	FT	%	Pos. or Neg.		%			Point	Station	Offset	Elevation
SW270	SW271	Match Existing Cross Slope	4	5.00	-0.09	-1.7%	Match Existing					SW270	333+63.69	-26.51	827.91
SW270	SW272	Ramp Running Slope	6	5.00	0.06	1.3%	0.5% to 8.3%					SW271	333+68.69	-26.56	827.82
SW271	SW273	Ramp Running Slope	6	5.00	0.08	1.5%	0.5% to 8.3%					SW272	333+63.64	-31.48	827.97
SW272	SW273	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					SW273	333+68.64	-31.55	827.90
SW272	SW274	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW274	333+63.57	-36.48	828.05
SW272	SW276	Ramp Running Slope	6	10.00	0.49	4.9%	0.5% to 8.3%					SW275	333+68.57	-36.54	827.97
SW273	SW275	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW276	333+53.64	-31.32	828.46
SW273	SW278	Ramp Running Slope	6	3.40	-0.08	-2.2%	0.5% to 8.3%					SW277	333+53.57	-36.32	828.53
SW274	SW275	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW278	333+71.99	-31.57	827.82
SW274	SW277	Ramp Running Slope	6	10.00	0.49	4.9%	0.5% to 8.3%					SW279	333+71.95	-36.57	827.84
SW275	SW279	Ramp Running Slope	6	3.40	-0.14	-4.0%	0.5% to 8.3%								
SW276	SW277	Ramp Cross Slope	6	5.00	0.08	1.5%	0.1% to 2.0%								
SW278	SW279	Ramp Cross Slope	6	5.00	0.01	0.3%	0.1% to 2.0%								
SW280	SW281	Match Existing Cross Slope	4	5.00	-0.10	-2.0%	Match Existing					SW280	334+22.14	-25.66	826.54
SW280	SW282	Ramp Running Slope	6	5.10	0.19	3.6%	0.5% to 8.3%					SW281	334+27.14	-25.73	826.44
SW281	SW283	Ramp Running Slope	6	5.10	0.21	4.1%	0.5% to 8.3%					SW282	334+22.07	-31.74	826.72
SW282	SW283	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW283	334+27.07	-31.72	826.65
SW282	SW284	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW284	334+22.00	-36.74	826.80
SW282	SW286	Sidewalk Running Slope	4	18.10	0.18	1.0%	0.5% to 5.0%					SW285	334+27.00	-36.72	826.72
SW283	SW285	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW286	334+03.99	-31.83	826.90
SW283	SW288	Sidewalk Running Slope	4	40.00	-0.36	-0.9%	0.5% to 5.0%					SW287	334+03.95	-36.83	826.98
SW284	SW285	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW288	334+66.93	-31.52	826.28
SW284	SW287	Sidewalk Running Slope	4	18.00	0.18	1.0%	0.5% to 5.0%					SW289	334+66.93	-36.52	826.36
SW285	SW289	Sidewalk Running Slope	4	40.00	-0.36	-0.9%	0.5% to 5.0%								
SW286	SW287	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
SW288	SW289	Sidewalk Running Slope	4	5.00	0.08	1.5%	0.5% to 5.0%								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
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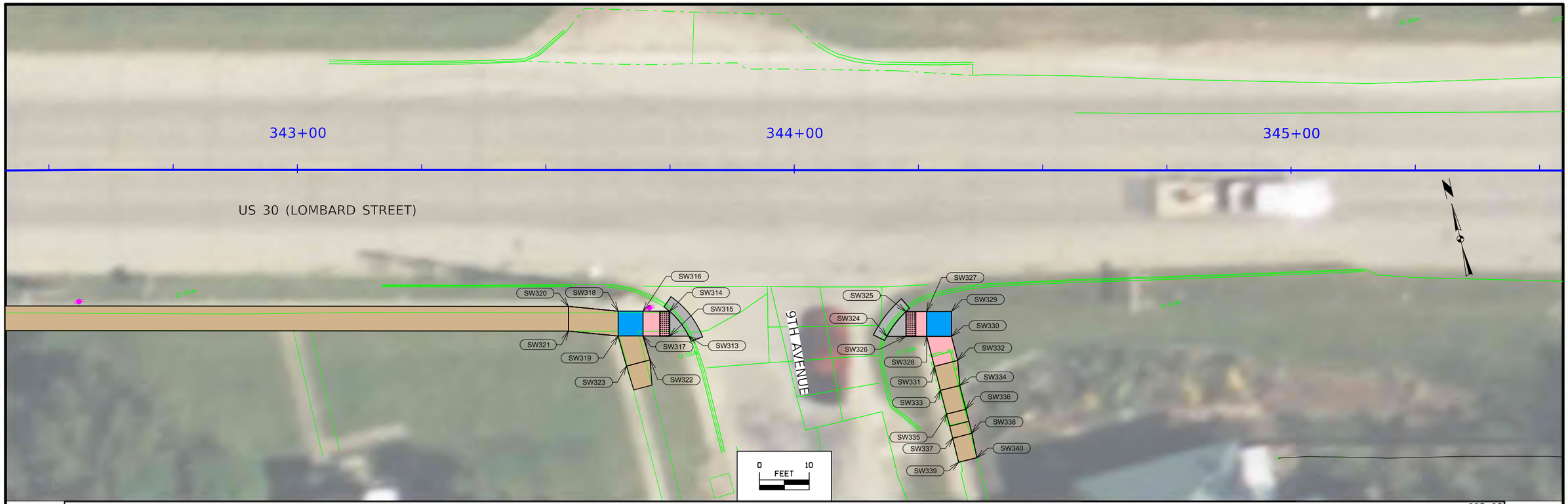
Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW291	SW292	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW290	338+73.39	32.24	824.07
SW291	SW293	Ramp Running Slope	6	2.40	0.15	6.2%	0.5% to 8.3%					SW291	338+69.35	27.37	824.18
SW292	SW294	Ramp Running Slope	6	2.40	0.15	6.3%	0.5% to 8.3%					SW292	338+69.51	32.36	824.26
SW293	SW294	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW293	338+66.88	27.44	824.33
SW293	SW295	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW294	338+67.02	32.44	824.41
SW294	SW296	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW295	338+61.74	27.57	824.41
SW294	SW299	Sidewalk Running Slope	4	7.80	0.26	3.3%	0.5% to 5.0%					SW296	338+61.86	32.57	824.48
SW295	SW296	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW297	338+51.46	27.79	824.81
SW295	SW297	Sidewalk Running Slope	4	10.00	0.40	4.0%	0.5% to 5.0%					SW298	338+51.53	32.79	824.89
SW296	SW298	Sidewalk Running Slope	4	10.00	0.40	4.0%	0.5% to 5.0%					SW299	338+67.67	40.22	824.66
SW296	SW300	Sidewalk Running Slope	4	7.80	0.26	3.3%	0.5% to 5.0%					SW300	338+62.40	40.43	824.74
SW297	SW298	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW299	SW300	Sidewalk Cross Slope	4	5.00	0.08	1.5%	0.5% to 2.0%								
SW302	SW303	Ramp Cross Slope	6	4.00	0.06	1.5%	0.1% to 2.0%					SW301	339+16.03	32.70	824.18
SW302	SW304	Ramp Running Slope	6	2.10	0.13	6.2%	0.5% to 8.3%					SW302	339+18.56	28.73	824.28
SW303	SW305	Ramp Running Slope	6	2.10	0.13	6.2%	0.5% to 8.3%					SW303	339+18.52	32.72	824.34
SW304	SW305	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW304	339+20.70	28.74	824.41
SW304	SW306	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW305	339+20.67	32.74	824.47
SW305	SW307	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW306	339+24.82	28.76	824.47
SW305	SW310	Sidewalk Running Slope	4	10.30	0.21	2.1%	0.5% to 5.0%					SW307	339+24.80	32.76	824.53
SW306	SW307	Landing/Turning Space	4	4.00	0.06	1.5%	0.1% to 2.0%					SW308	339+34.62	26.89	824.95
SW306	SW308	Ramp Running Slope	6	9.70	0.49	5.0%	0.5% to 8.3%					SW309	339+35.09	31.87	825.03
SW307	SW309	Ramp Running Slope	6	10.00	0.50	5.0%	0.5% to 8.3%					SW310	339+20.81	43.02	824.68
SW307	SW311	Sidewalk Running Slope	4	10.00	0.23	2.3%	0.5% to 5.0%					SW311	339+24.65	42.71	824.76
SW308	SW309	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%								
SW310	SW311	Match Existing Cross Slope	4	3.70	0.08	2.2%	Match Existing								
END															



113-10
04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW314	SW315	Ramp Cross Slope	6	5.00	0.07	1.5%	0.1% to 2.0%					SW313	343+78.80	33.43	826.20
SW314	SW316	Ramp Running Slope	6	5.40	0.21	4.0%	0.5% to 8.3%					SW314	343+74.95	28.43	826.26
SW315	SW317	Ramp Running Slope	6	5.40	0.22	4.0%	0.5% to 8.3%					SW315	343+74.94	33.43	826.34
SW316	SW317	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW316	343+69.57	28.43	826.48
SW316	SW318	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW317	343+69.57	33.43	826.55
SW317	SW319	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW318	343+64.57	28.43	826.55
SW317	SW322	Sidewalk Running Slope	4	5.00	0.07	1.4%	0.5% to 5.0%					SW319	343+64.57	33.43	826.63
SW318	SW319	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW320	343+54.57	27.45	826.68
SW318	SW320	Sidewalk Running Slope	4	10.10	0.13	1.2%	0.5% to 5.0%					SW321	343+54.57	32.43	826.75
SW319	SW321	Sidewalk Running Slope	4	10.10	0.13	1.2%	0.5% to 5.0%					SW322	343+70.99	38.22	826.62
SW319	SW323	Sidewalk Running Slope	4	6.30	0.15	2.4%	0.5% to 5.0%					SW323	343+66.27	39.48	826.78
SW320	SW321	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%								
SW322	SW323	Match Existing Cross Slope	4	5.00	0.16	3.1%	Match Existing								

SIDEWALK COMPLIANCE

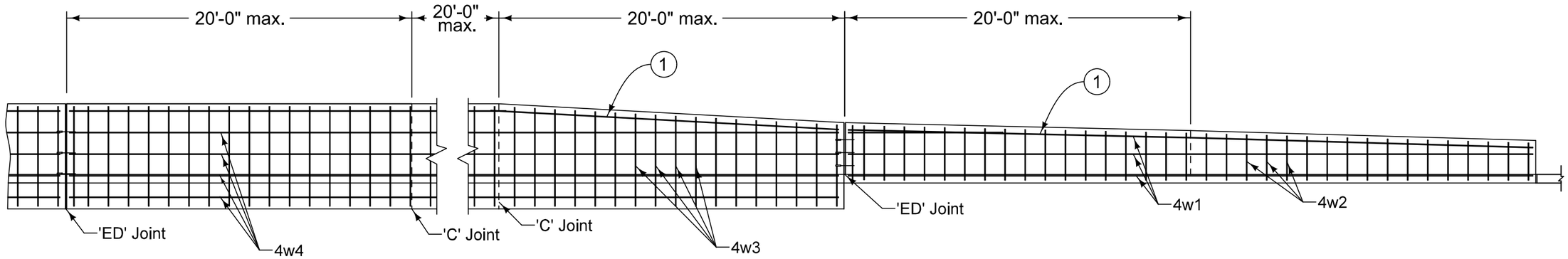
See S Sheets

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

Point to Point		Sidewalk Designation	_" PCC Sidewalk (1)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
SW325	SW326	Ramp Cross Slope	6	5.00	-0.07	-1.5%	0.1% to 2.0%					SW324	344+18.64	33.44	826.12
SW325	SW327	Ramp Running Slope	6	4.20	0.08	2.0%	0.5% to 8.3%					SW325	344+22.48	28.45	826.37
SW326	SW328	Ramp Running Slope	6	4.20	0.08	2.0%	0.5% to 8.3%					SW326	344+22.51	33.45	826.30
SW327	SW328	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%					SW327	344+26.65	28.45	826.46
SW327	SW329	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					SW328	344+26.67	33.45	826.38
SW328	SW330	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					SW329	344+31.65	28.45	826.53
SW328	SW331	Ramp Running Slope	6	6.20	-0.16	-2.6%	0.5% to 8.3%					SW330	344+31.67	33.45	826.46
SW329	SW330	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					SW331	344+28.22	39.49	826.22
SW330	SW332	Ramp Running Slope	6	5.00	-0.16	-3.3%	0.5% to 8.3%					SW332	344+32.91	38.29	826.29
SW331	SW332	Ramp Cross Slope	6	4.80	0.07	1.5%	0.1% to 2.0%					SW333	344+29.46	44.34	826.09
SW331	SW333	Sidewalk Running Slope	4	5.00	-0.13	-2.6%	0.5% to 5.0%					SW334	344+33.33	43.35	826.15
SW332	SW334	Sidewalk Running Slope	4	5.10	-0.14	-2.8%	0.5% to 5.0%					SW335	344+30.68	49.11	825.96
SW333	SW334	Sidewalk Cross Slope	4	4.00	0.06	1.5%	0.5% to 2.0%					SW336	344+34.56	48.13	826.02
SW333	SW335	Sidewalk Running Slope	4	5.00	-0.13	-2.6%	0.5% to 5.0%					SW337	344+31.91	53.96	825.96
SW334	SW336	Sidewalk Running Slope	4	5.00	-0.13	-2.6%	0.5% to 5.0%					SW338	344+35.79	52.98	826.02
SW335	SW336	Sidewalk Cross Slope	4	4.00	0.06	1.5%	0.5% to 2.0%					SW339	344+33.12	58.81	825.99
SW335	SW337	Sidewalk Running Slope	4	5.00	0.00	0.0%	0.5% to 5.0%				Sidewalk Flume	SW340	344+36.77	57.88	826.05
SW336	SW338	Sidewalk Running Slope	4	5.00	0.00	0.0%	0.5% to 5.0%				Sidewalk Flume				
SW337	SW338	Sidewalk Cross Slope	4	4.00	0.06	1.5%	0.5% to 2.0%								
SW337	SW339	Sidewalk Running Slope	4	5.00	0.03	0.6%	0.5% to 5.0%								
SW338	SW340	Sidewalk Running Slope	4	5.00	0.03	0.6%	0.5% to 5.0%								
SW339	SW340	Match Existing Cross Slope	4	3.80	0.06	1.6%	Match Existing								

Provide a minimum concrete cover to near reinforcement of 1 1/2 inches. Provide 3 inches minimum cover at the ends of bars.

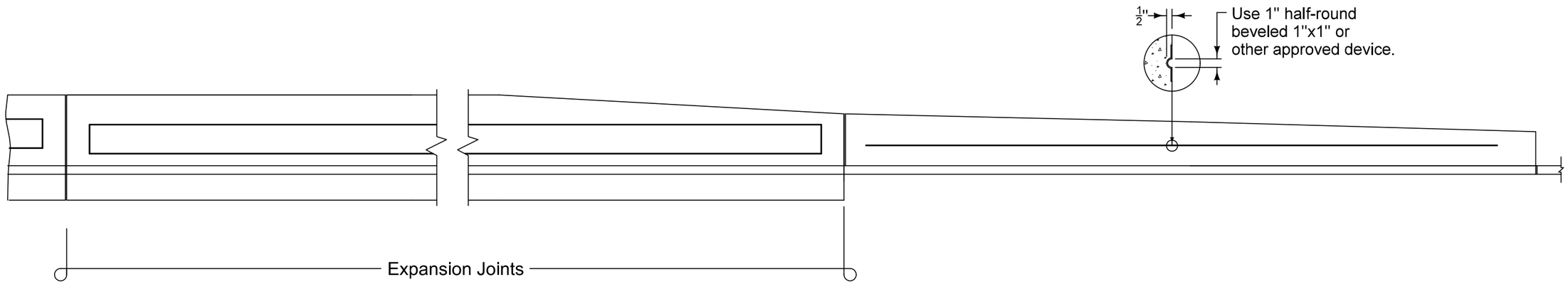
(1) Top bar parallel to top of wall. Lap 6 inch minimum as necessary. Tie securely.



TYPE B WALL

TYPE A WALL

TYPICAL LONGITUDINAL SECTION OF RETAINING WALL



TYPICAL RUSTICATION DETAIL

DETAIL D

MODIFIED RETAINING WALL
SHEET 1 OF 2

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER U.1	

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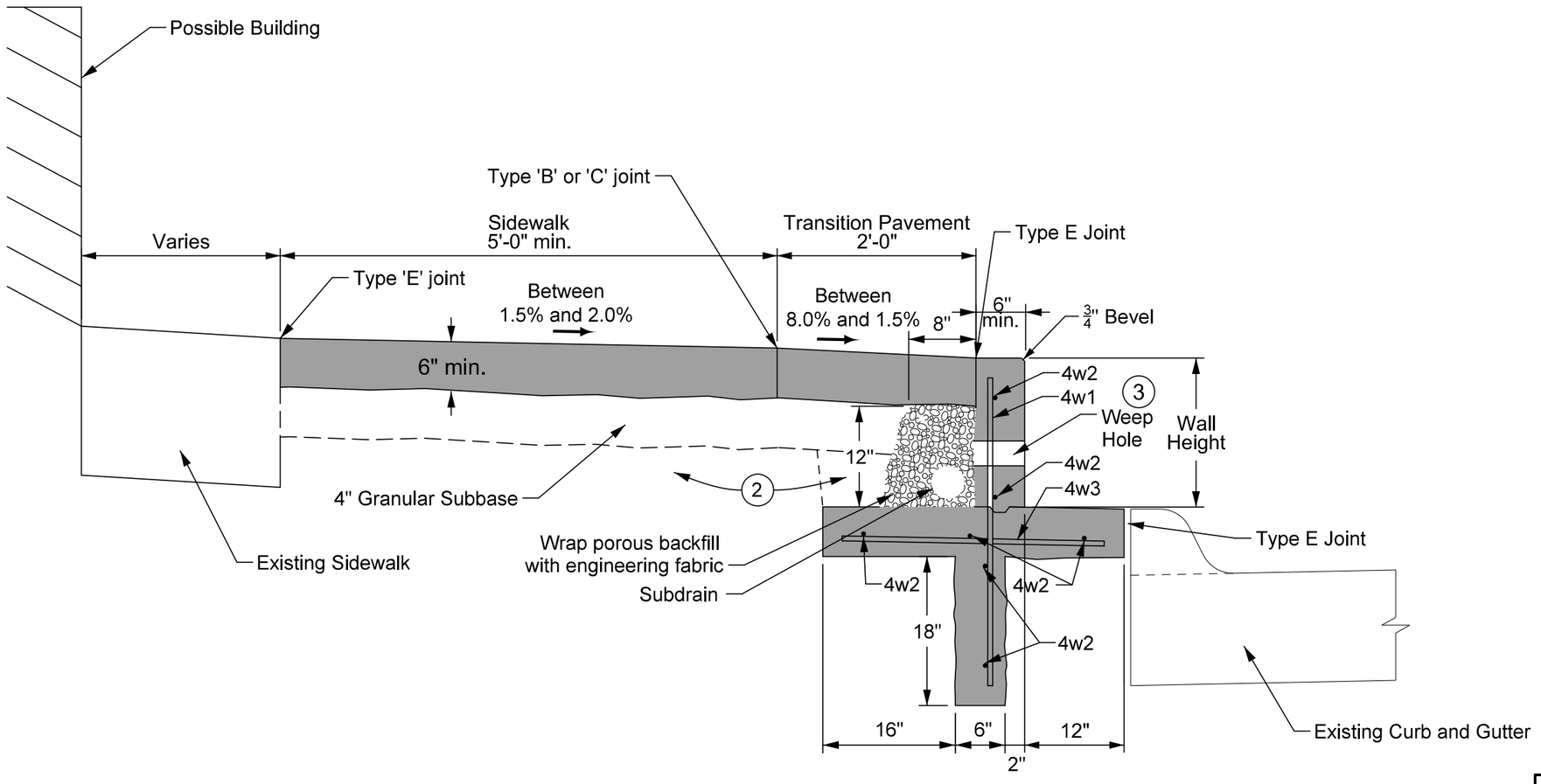
REINFORCING BAR LIST				
Mark	Size	Shape	Length	Spacing
4w1	4	—	Wall Height + 18"	14"
4w2	4	—	Variable	12"
4w3	4	—	2'-8"	14"

Provide a minimum concrete cover to near reinforcement of 1 1/2 inches. Provide 3 inches minimum cover at the ends of bars.

(2) Excavate and place backfill material as necessary.

(3) Provide 3 inch diameter weep holes at 8 foot intervals. Install rodent guards in weep holes. Align bottom of weep hole with top of subdrain.



WALL AND SIDEWALK TYPICAL SECTION

DETAIL D

MODIFIED RETAINING WALL
SHEET 2 OF 2

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER U.2

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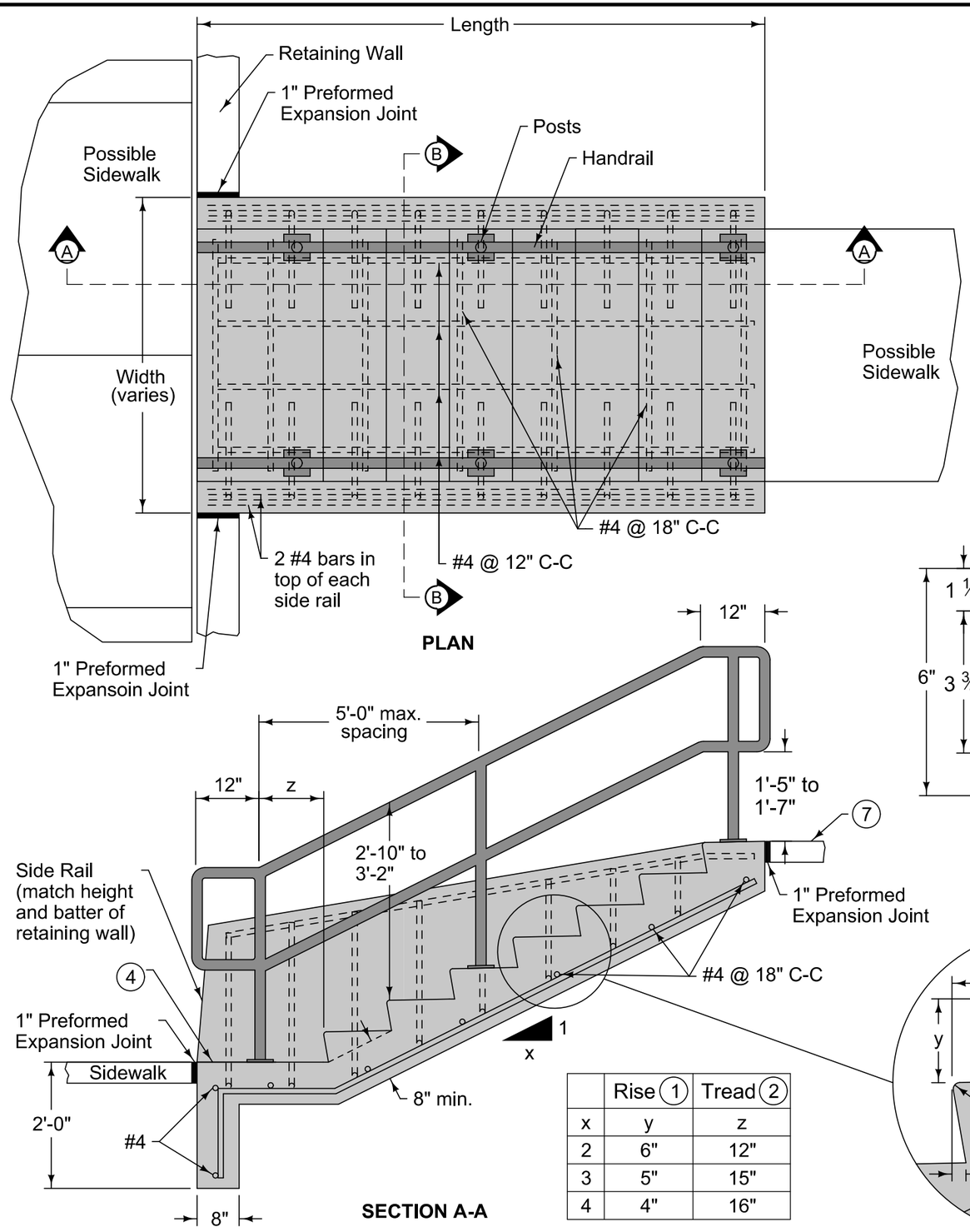
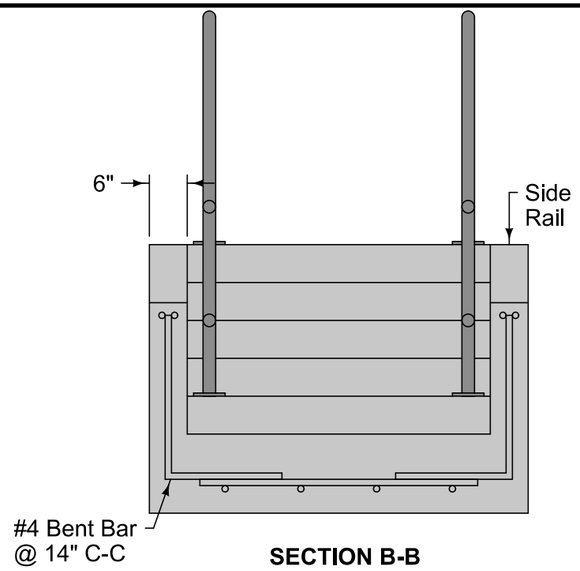
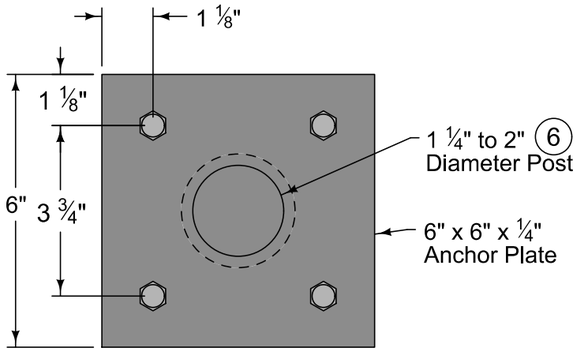


PLAN



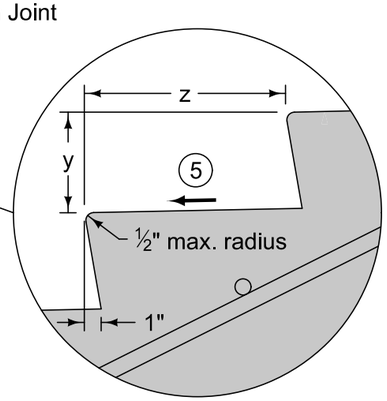
SECTION B-B

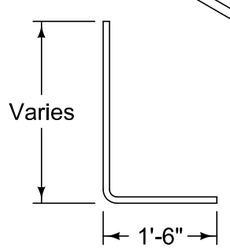


ANCHOR PLATE DETAIL

SECTION A-A

	Rise (1)	Tread (2)
x	y	z
2	6"	12"
3	5"	15"
4	4"	16"



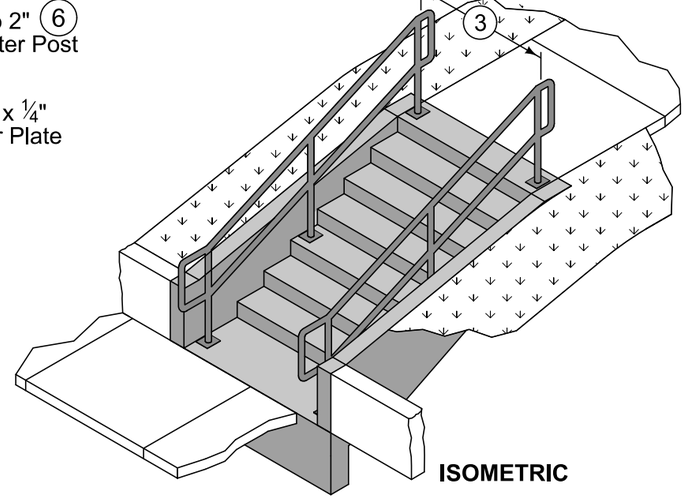


BENT BAR

Provide a minimum of 2 inches of cover for all reinforcing.

Ensure all risers are an equal height and all treads are an equal depth within a flight of stairs.

1. Minimum riser height is 4 inches. Maximum riser height is 7 inches.
2. Minimum tread depth is 11 inches.
3. Match existing sidewalk width.
4. Construct cross slope of landing to match adjacent sidewalk.
5. Slope tread 1% minimum to 2% maximum in any direction.
6. Weld post to anchor plate with 1/4 inch weld. Grind weld to provide smooth surface, free of burrs.
7. Narrow sidewalk to no less than 4' at top of stairs to allow for full tread depth at bottom of stairs.



ISOMETRIC

TYPE B CONCRETE STEPS WITH HANDRAIL

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER U.3

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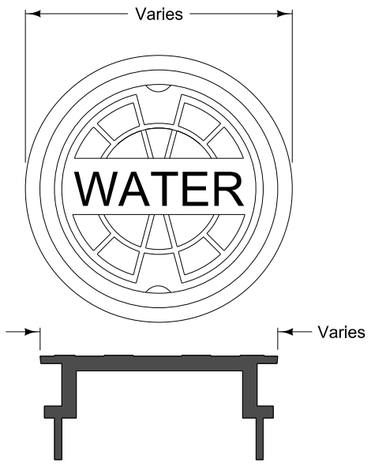
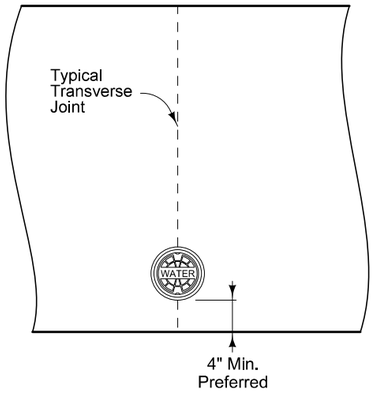
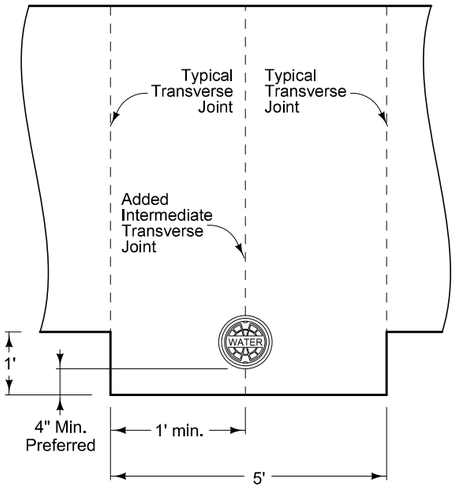
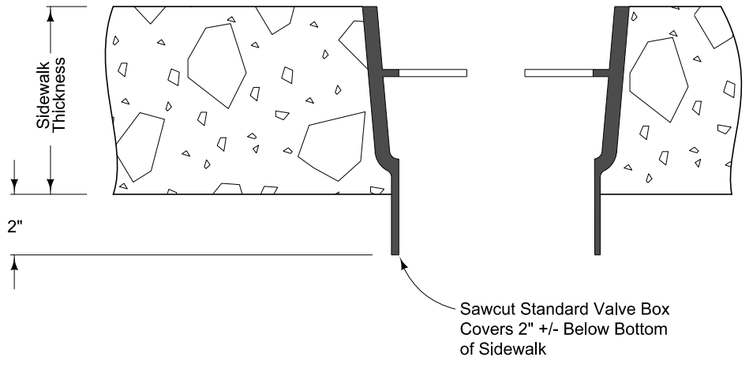
For a double curb stop cover, use the same cover shown.

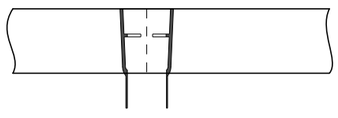
The elevation of the shut-off cover may need to be staggered in order to pass heads through the lower flange or supporting seat.



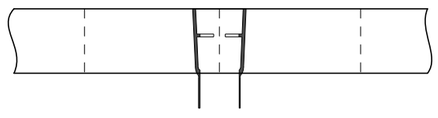








CASE 1



CASE 2

Possible Contract Item:
Water Service Curb Stop, Cover Only

IOWA DOT

REVISION
NEW | 10-15-19

ROAD DESIGN DETAIL

560-8

SHEET 1 of 1

REVISIONS: New.

WATER SERVICE CURB STOP COVER LOCATED IN SIDEWALK

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER U.4

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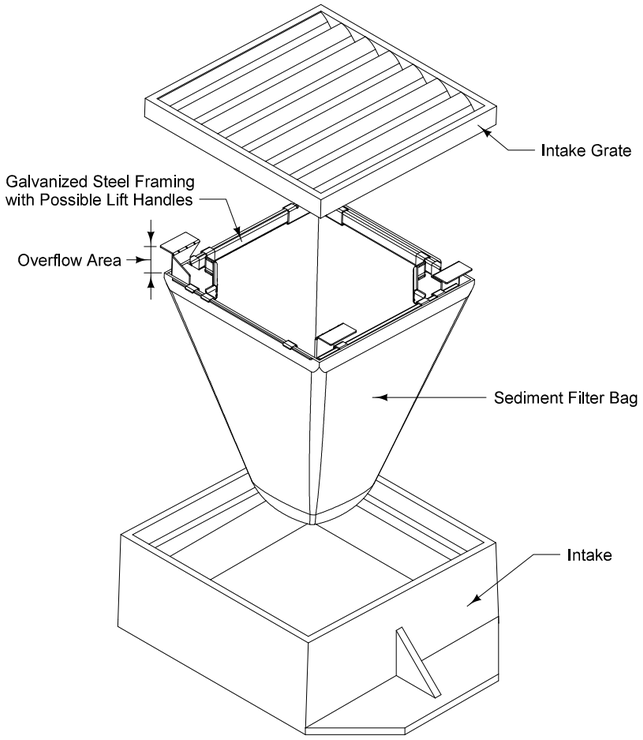
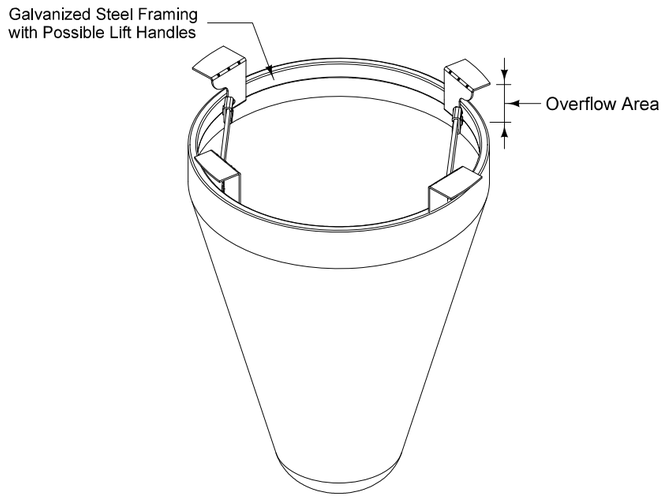


TYPICAL SEDIMENT FILTER BAG PLACEMENT



SEDIMENT FILTER BAG FOR CIRCULAR GRATE

Use sediment filter bag consisting of woven material meeting the requirements of Table 4196.01-1 of the Standard Specifications, except a maximum apparent opening size of US Sieve No. 10 and a minimum flow rate of 145 gallons per minute per square foot. Sediment filter bags without steel grame and clampling bands will be allowed if overflow is provided.

Remove sediment filter bag upon stabilization of sediment sources.

Measurement for Grate Intake Sediment Filter Bag will be by count.

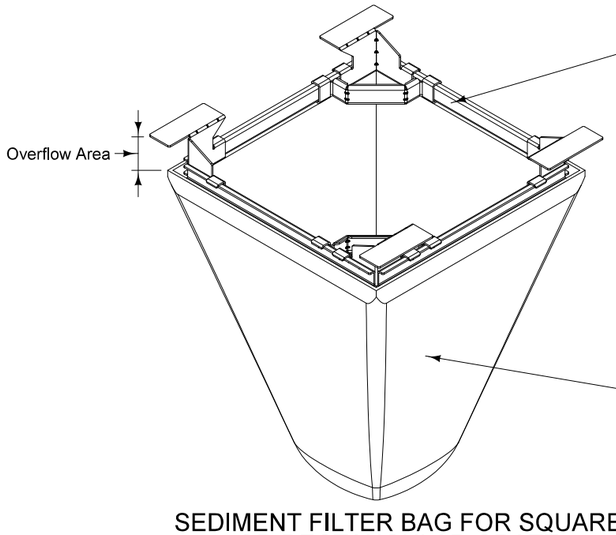
Basis of Payment for Grate Intake Sediment Filter Bag will be at the contract unit price for each device installed. Payment is full compensation for furnishing all equipment, labor, and materials required to install the Grate Intake Sediment Filter Bag as shown.

Method of Measurement for Maintenance of Grate Intake Sediment Filter Bag will be by count.

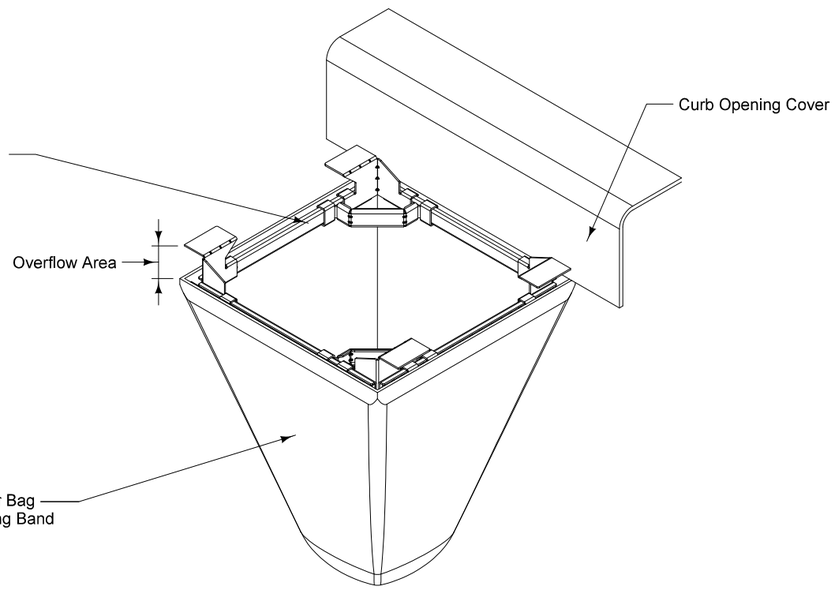
Basis of Payment for Maintenance of Grate Intake Sediment Filter Bag will be at the contract unit price for each occurence. Payment is full compensation for clean out and disposal of material when capacity reaches 50%, and for any other repair needed during the project.

Measurement for Removal of Grate Intake Sediment Filter Bag will be by count.

Basis of Payment for Removal of Grate Intake Sediment Filter Bag will be at the contract unit price for each device removed. Payment is full compensation for all labor and equipment required for removal.



SEDIMENT FILTER BAG FOR SQUARE
OR RECTANGULAR GRATE



SEDIMENT FILTER BAG FOR COMBINATION
GRATE WITH CURB OPENING

Possible Contract Items:
- Grate Intake Sediment Filter Bag
- Maintenance of Grate Intake Sediment Filter Bag
- Removal of Grate Intake Sediment Filter Bag

Possible Tabulation:
- 100-37

IOWA DOT

REVISION
1 | 04-21-20

ROAD DESIGN DETAIL

570-7

SHEET 1 of 1

REVISIONS: Removed circle note 1 and modified general notes.

GRATE INTAKE SEDIMENT FILTER BAG

FILE NO.	ENGLISH	DESIGN TEAM FOTH	CEDAR COUNTY	PROJECT NUMBER NHSN-030-8(56)—2R-16	SHEET NUMBER U.5

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