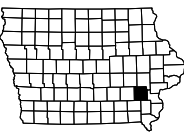


WASHINGTON CO.
PCC SIDEWALK
LETTING DATE 12-17-2019
STPN-022-2(78)--2J-92



INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
A.2	Location Map Sheet
* A.3	Sidewalk Legend and Symbol Information Sheet
B Sheets	Typical Cross Sections and Details
B.1	Typical Cross Sections and Details
D Sheets	Mainline Plan and Profile Sheets
* D.1 - 3	Iowa Highway 22
G Sheets	Survey Sheets
G.1	Reference Ties and Bench Marks
H Sheets	Right-of-Way Sheets
* H.1 - 3	Iowa Highway 22
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
J.1	Staging Notes
J.1	Pedestrian Path Closures
S Sheets	Sidewalk Sheets
* S .1 - 8	Sidewalk Plan and Tabulation Sheets
	* Color Plan Sheets



Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM WASHINGTON COUNTY PCC SIDEWALK

In the City of Kalona (ADA Compliance)
Along IA 1 and IA 22 at various locations

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

For Project Location Map
Refer to Sheet No. A.2



REVISIONS

TOTAL
20
PROJECT IDENTIFICATION NUMBER
17-92-022-030
PROJECT NUMBER
STPN-022-2(78)--2J-92
R.O.W. PROJECT NUMBER
STPN-022-2(79)--2J-92

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Mark Rooney	Primary Signature Block

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN – Date: 03-07-2019

R-8W R-7W

1

6

5

1

110TH ST

(KALONA CORPORATE LIMITS)

(KALONA CORPORATE LIMITS)

WEST 2ND ST
WEST H AVE

12

M AVE
L AVE
K AVE
8TH ST
9TH ST
10TH ST

12TH PL

1ST PL
2ND PL
3RD PL
J AVE
ST
H ST
AVE

H PL
H 8TH ST
10TH ST
11TH ST
12TH ST
13TH ST

8

22

T-77N

22

ST ST

D AVE
2ND ST
3RD ST

F PL
F ST
3RD ST
3RD ST
F AVE
D AVE
C ST
B 4TH ST
5TH AVE
6TH ST
7TH ST
A PL
A AVE

F AVE
8TH ST
10TH ST
11TH ST
12TH ST
13TH ST

14TH ST

PROJECT LOCATION

(KALONA CORPORATE LIMITS)

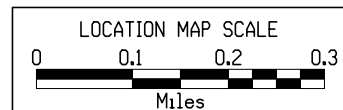
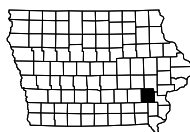
13

18

17

125TH ST

1



SURVEY SYMBOLS

	Beehive Intake
	Deciduous Tree
	Evergreen Tree
	Existing Intake
	Fire Hydrant
	Luminaire
	Flagpole
	Existing Utility Access (Manhole)
	Mailbox
	Power Pole
	Satellite TV Dish
	Shrub (Bushes)
	Sign
	Speed Limit Sign
	Stump
	Tower Anchor
	Timber
	Water Valve
	Board Fence
	Chain Link Fence
	Telephone Pedestal

UTILITY LEGEND

ALLIANT ENERGY
 Contact Name: Heather Dee
 Contact Phone: (319) 786-8196
 Contact Email: rerow@alliantenergy.com

CITY OF KALONA
 Contact Name: Ryan Schlaubaugh
 Contact Phone: (319) 656-2310
 Contact Email: rschlaubaugh@cityofkalona.org

KALONA COOP TELEPHONE
 Contact Name: Mike Litwiller
 Contact Phone: (319) 656-3668
 Contact Email: mike@kctc.net

MEDIACOM COMMUNICATIONS
 Contact Name: Timothy H. Eagen
 Contact Phone: (319) 208-1829
 Contact Email: teagan@mediacomcc.com

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

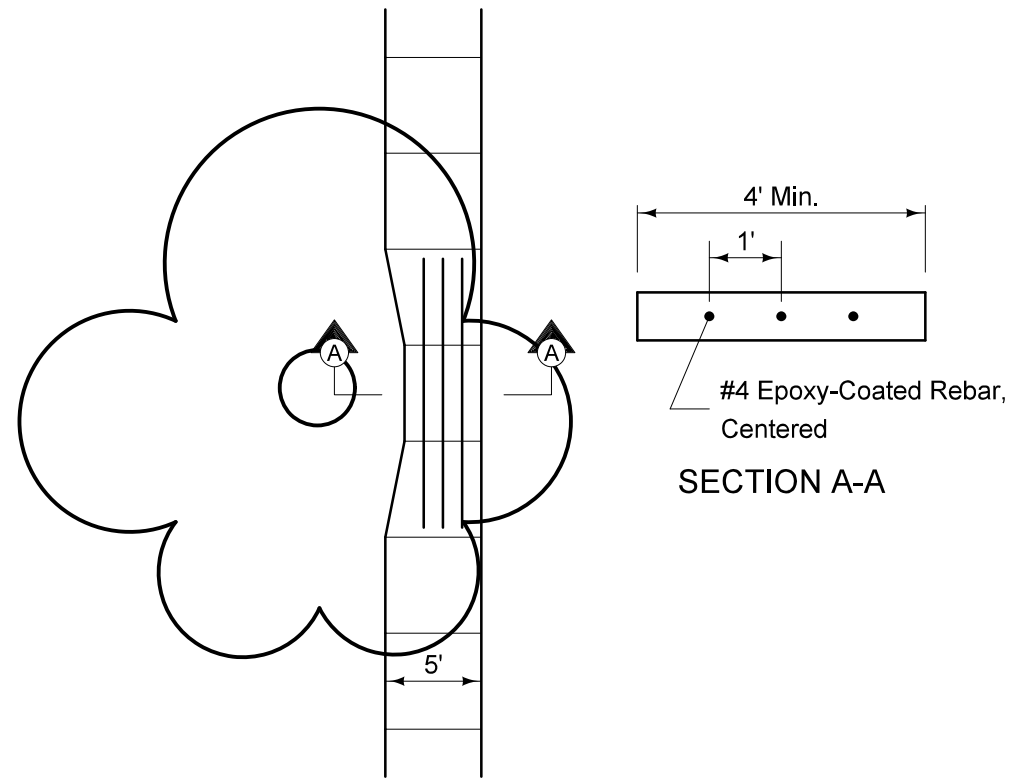
LINEWORK		Design Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING		Design Color No.	
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
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
	Section Corner
	Ground Line Intercept
	Saw Cut
	Guardrail
	Clearing & Grubbing Area
	Pavement Removal

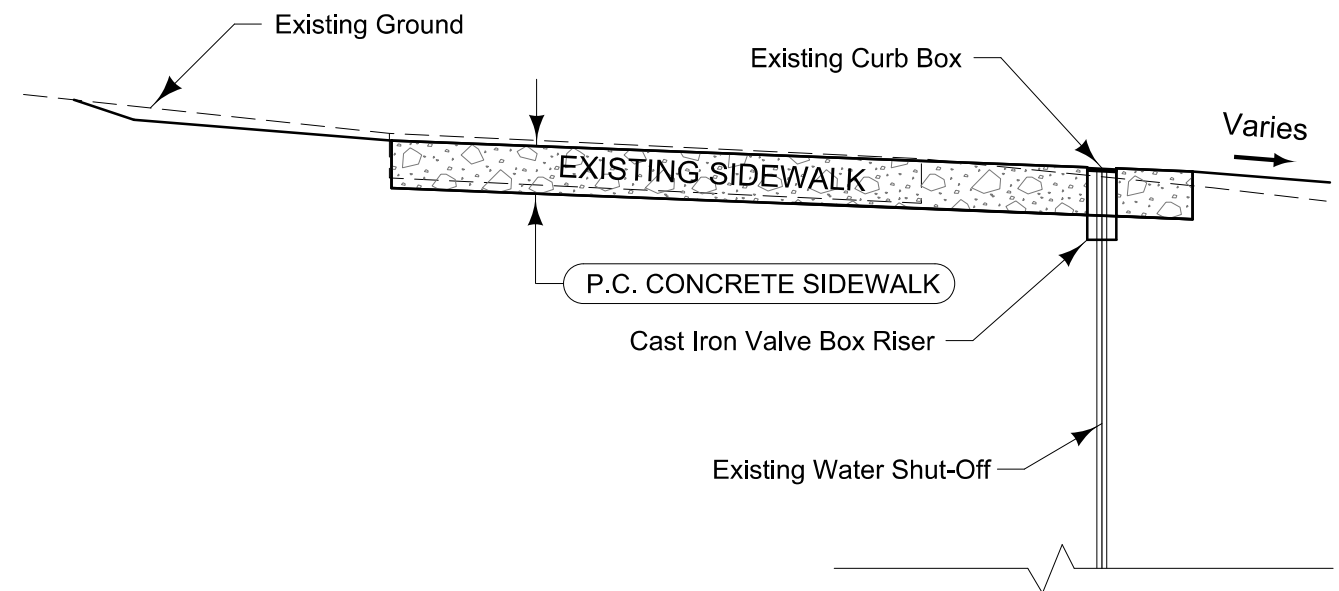
	Proposed Right-of-Way
	Existing and Proposed Right-of-Way
	Easement and Existing Right-of-Way
	Borrow
	Easement (Temporary)
	Easement
	Excess
	Access Control

SIDEWALK LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES S)



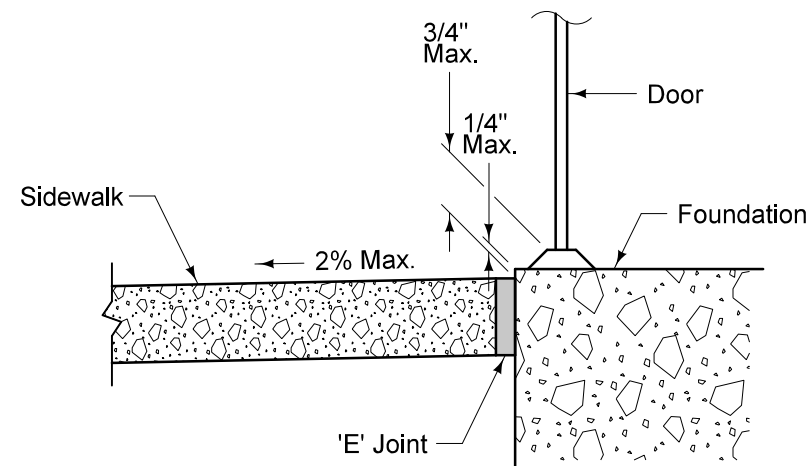
DETAIL OF SIDEWALK AT OR NEAR TREE ROOTS



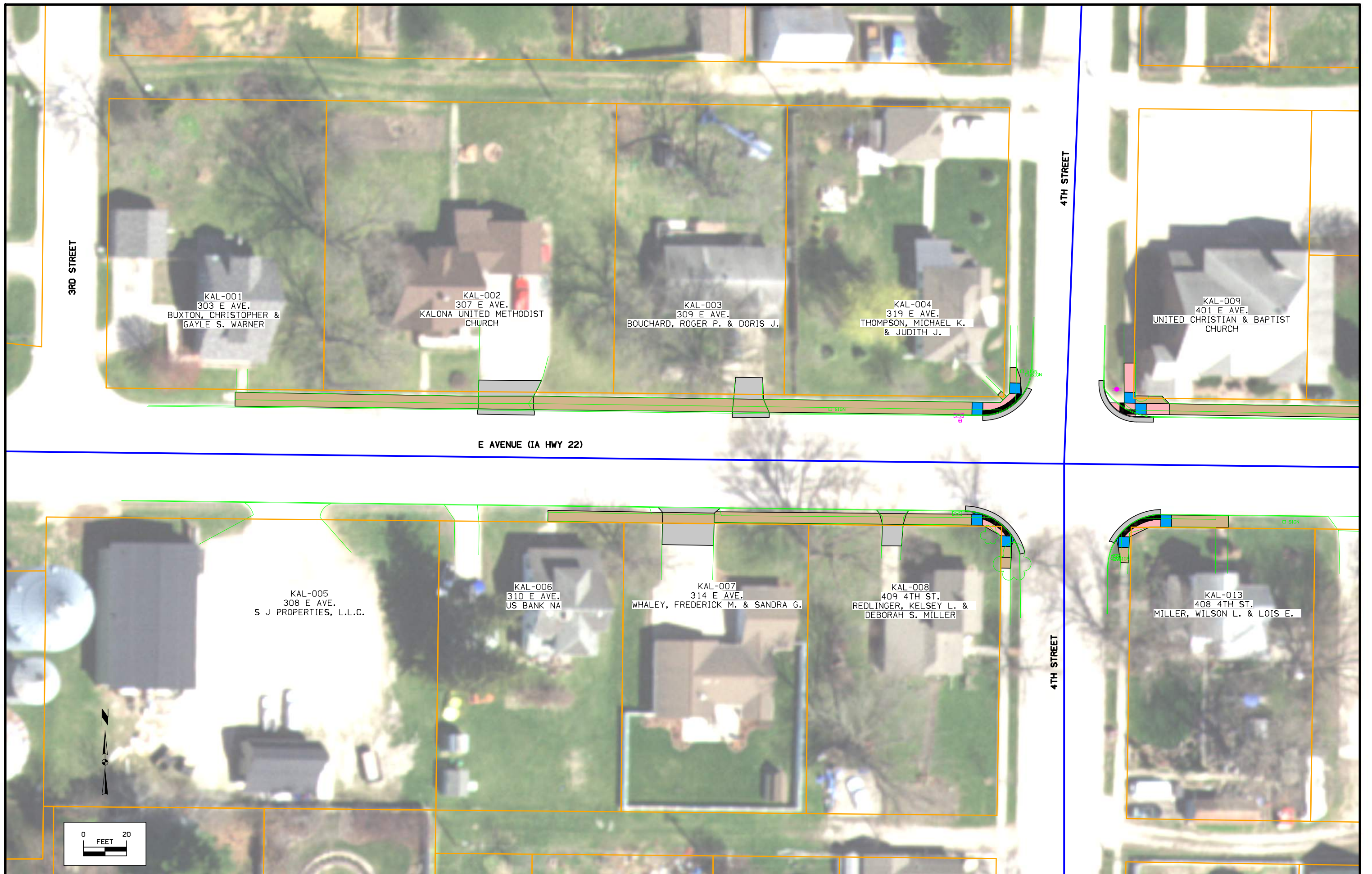
Notes:

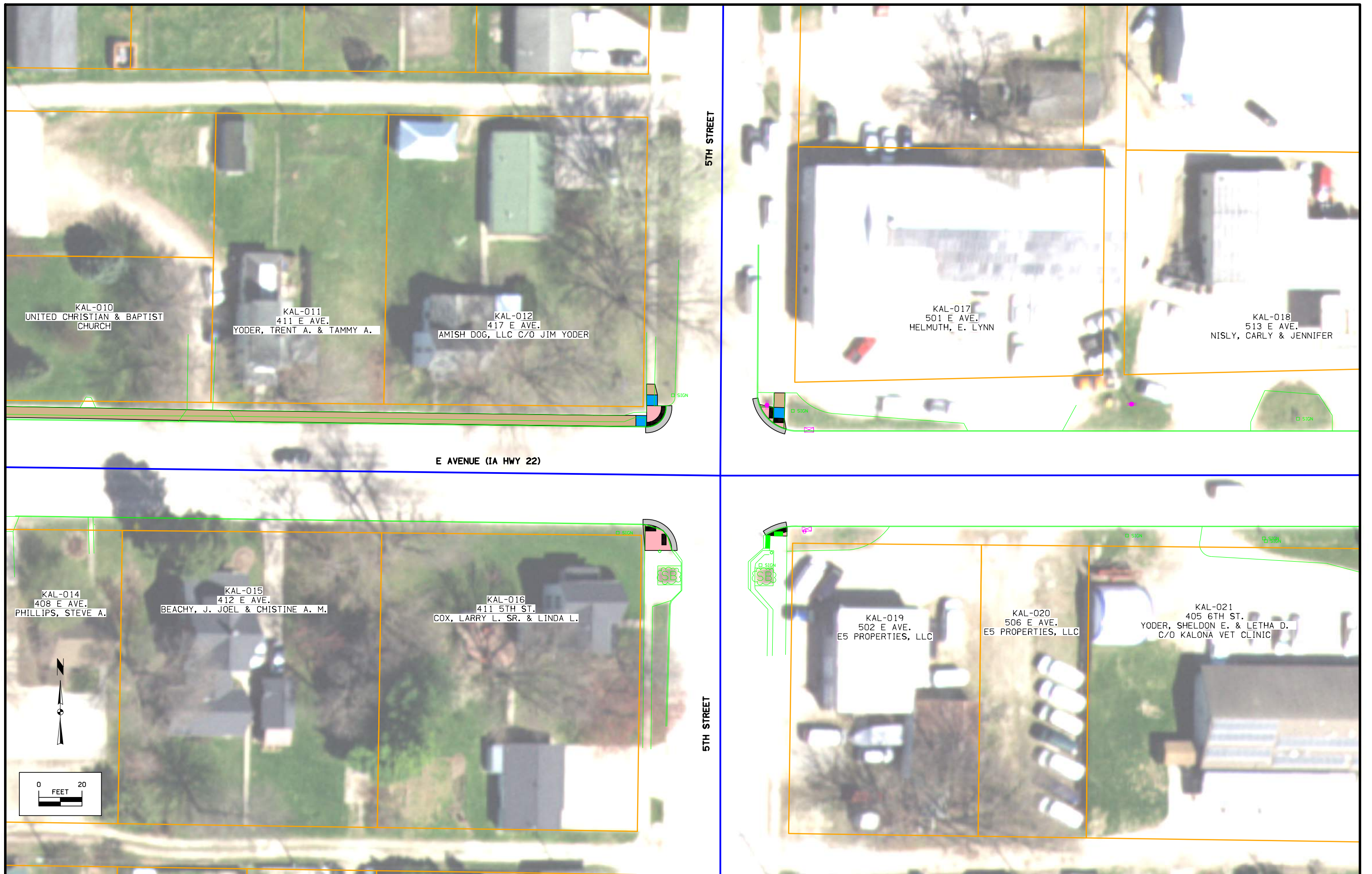
1. Extend existing curb box to new finished sidewalk elevation by extending the pipe shaft. The stem to the shut-off valve shall not be extended, only the pipe shaft around the stem. Use a threaded coupler and pipe threaded on each end, do not pull the existing pipe shaft up. The contractor shall coordinate with the city to allow the city to pull existing pipe shaft up so the city has the ability to raise the cap 2 inches above the finished surface.
2. Install a cast iron valve box riser over the shaft. Set the top of the cast iron valve box riser to the finished elevation of the sidewalk.
3. Finish the concrete to the top of the cast iron valve box riser. Care should be taken to prevent concrete from getting inside the pipe by covering the opening with duct tape or other means during the time of the concrete being placed.

DETAIL OF WATER SHUT-OFF ADJUSTMENT



DETAIL OF SIDEWALK AT BUILDING FOUNDATION/DOOR







Survey Information
 County: Washington
 PIN: 17-92-022-030
 Project Number: STPN-022-2(78)--2J-92
 Location: In City of Kalona (ADA - District 5)
 Type of Work: PCC Sidewalk
 Project Directory: 9202203017

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 14. This coordinate system was used for design and must be configured into GNSS equipment to stake points for this project. Two local marks have been designated for future use to validate GNSS equipment results. These marks can be used to validate results while staking design points.

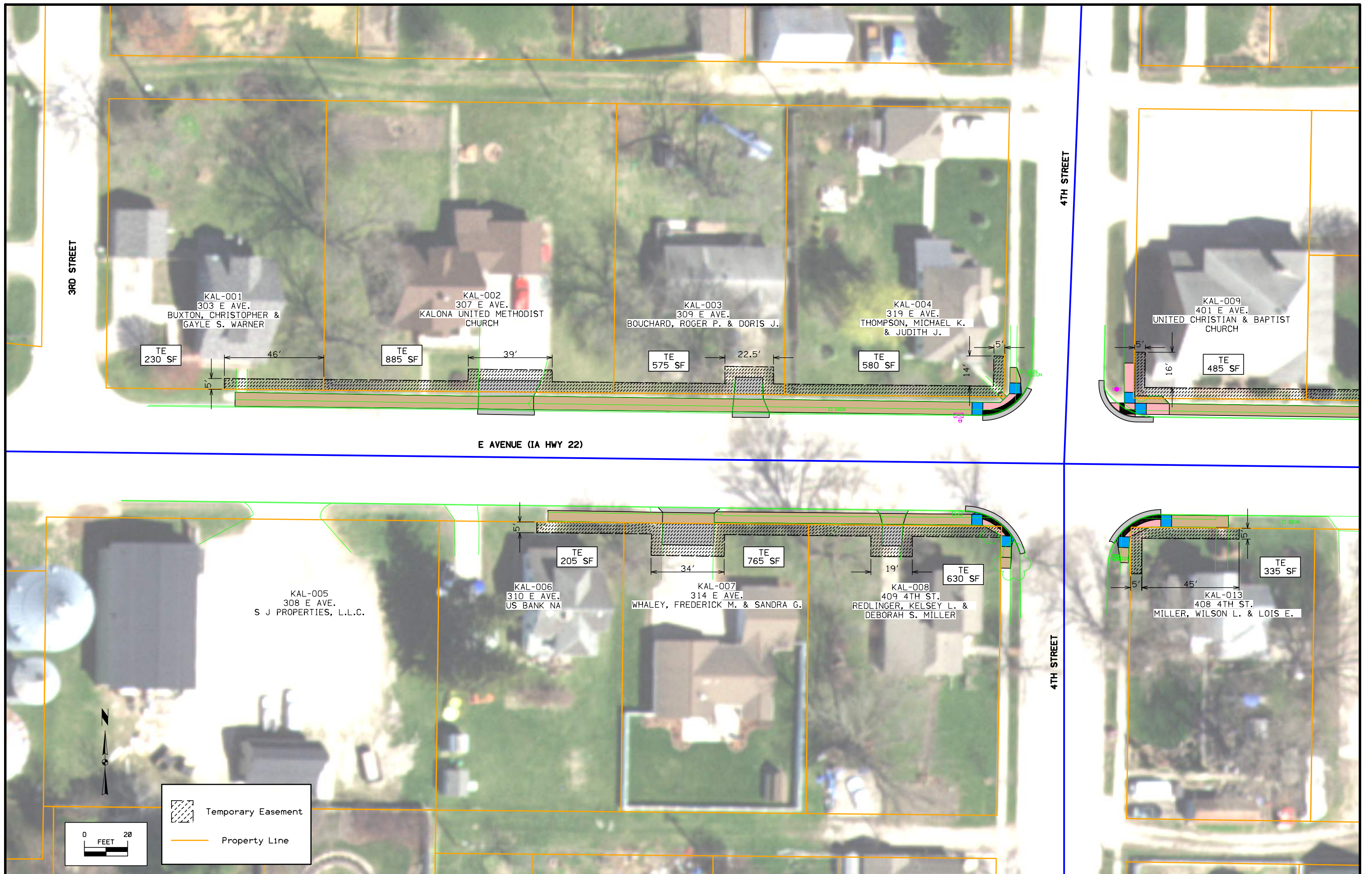
ELEVATION NOTE: ADA construction requires laying out plan slopes from the gutter line of the roadway. Therefore elevation datum for each ADA ramp is the gutter. Because elevation datum to be used is an existing topographic feature at the date of construction a predetermined elevation of that feature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

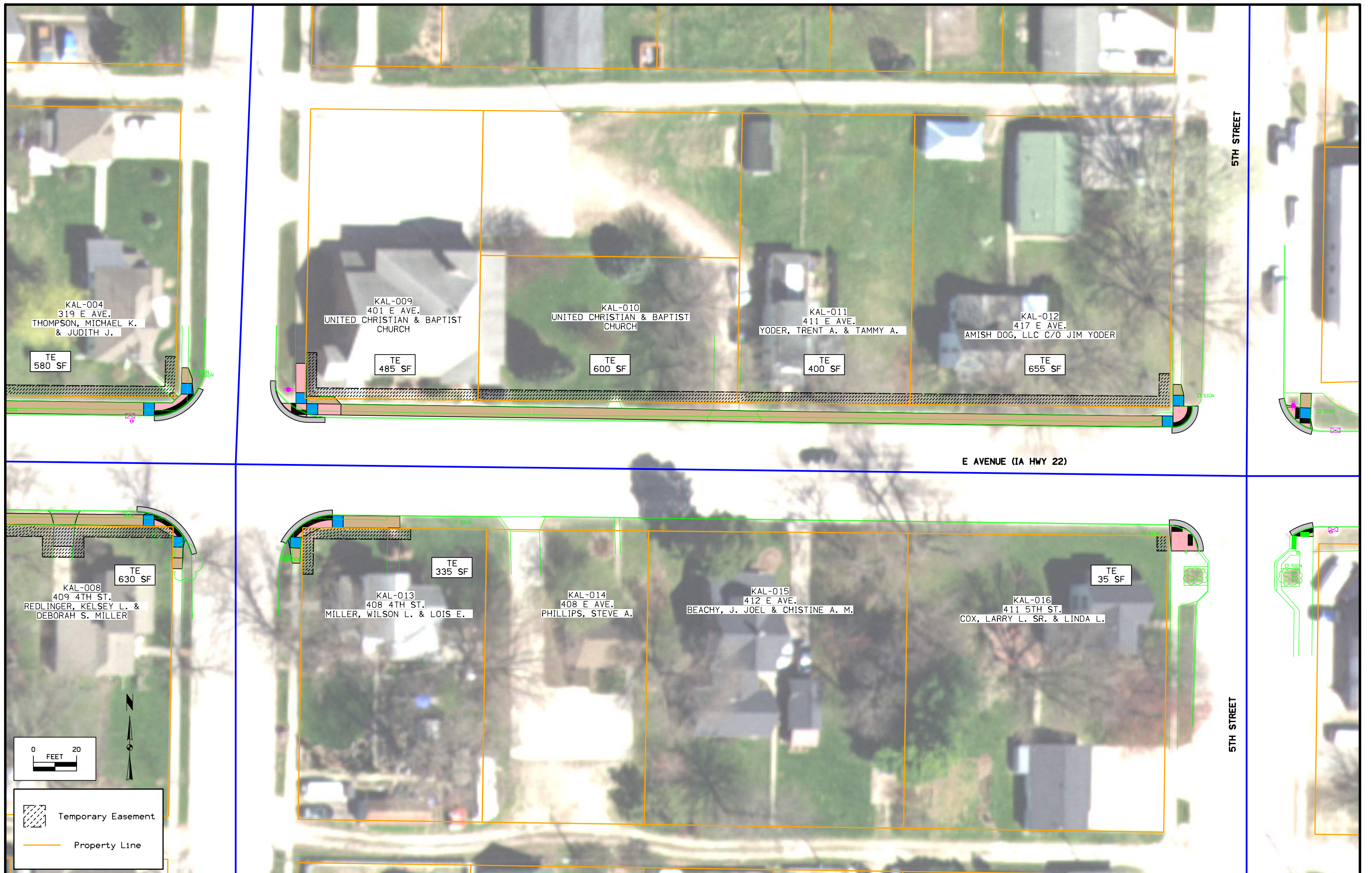
Validation Point 106
 CO. GPS POINT SW QUAD OF HWY 1
 AND A AVE 60FT N OF CIVICO SIGN 58FT
 W OF POWER POLE
 IaRCS ZONE 14
 N=6848931.05
 E=23555442.32

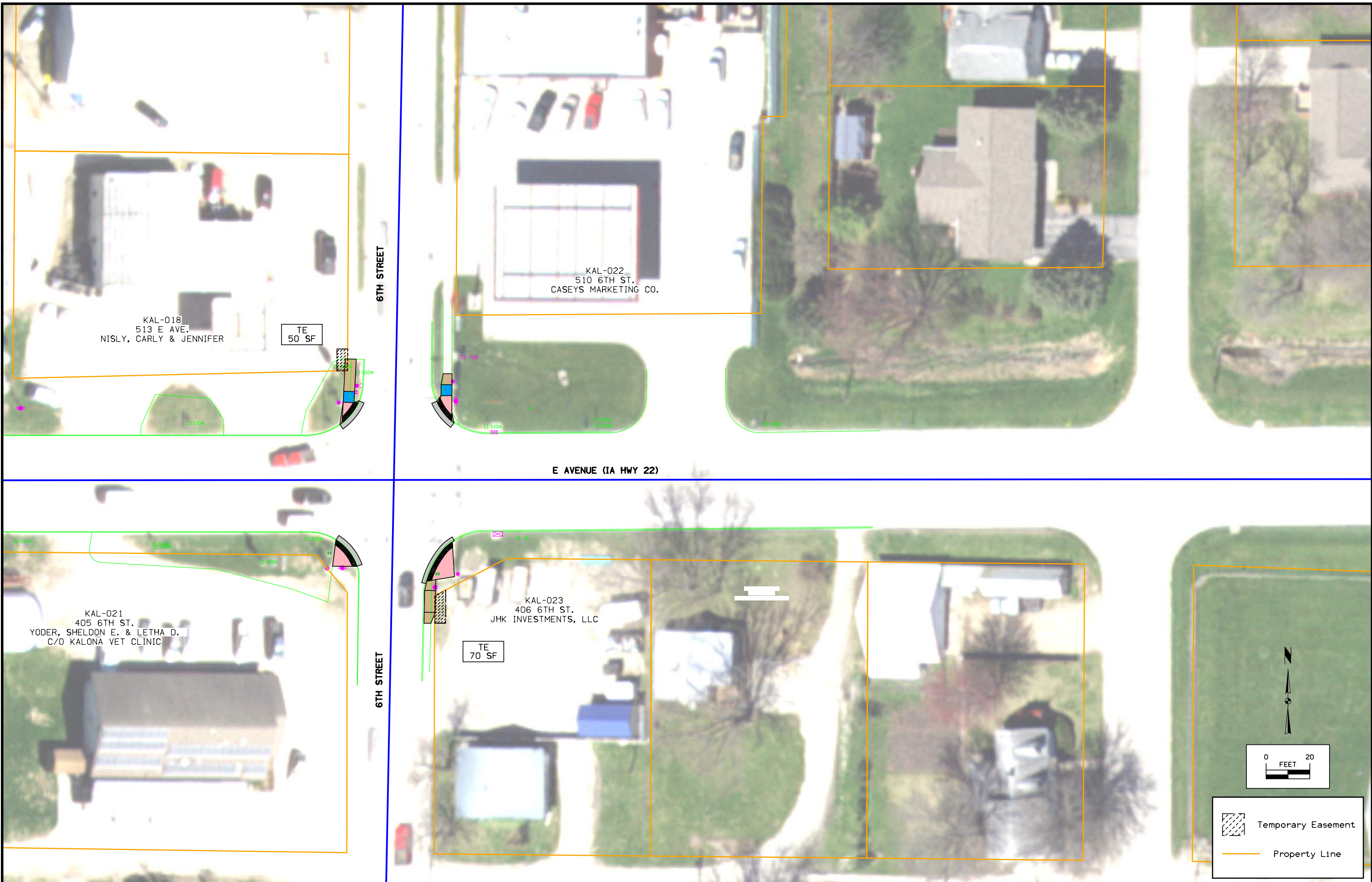


Validation Point 92001
 FENO TYPE MONUMENT 1000FT E OF
 INT OF HWY 1 AND HWY 22 85FT E OF SE
 COR OF SE BRIDGE WING 30FT S CL HWY 22
 IaRCS ZONE 14
 N=6850314.10
 E=23556464.92









TRAFFIC CONTROL PLAN

Traffic on Iowa Highway 22 and sideroads shall be maintained at all times.

Traffic Control will include Pedestrian Path Closures, which can be found on Tab. 113-2 in the J sheets.

Access to commercial properties shall be maintained at all times. Driveways and entrances to commercial properties may require staged construction to maintain access.

Work may be prohibited during special events on: Kalona Fall Festival, September 25th and 26th, 2020.

Lane closures on Iowa Highway 22 and sideroads shall not be allowed during the following days:
Kalona Fall Festival
September 25th and 26th, 2020

Contractor shall maintain all existing traffic control conditions with temporary signage as required until permanent signage has been reinstalled.

STAGING NOTES

The Contractor shall not perform any work impacting temporary easements until the temporary easements have been obtained. For parcels without easements, work must be done from the highway side of the sidewalk.

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

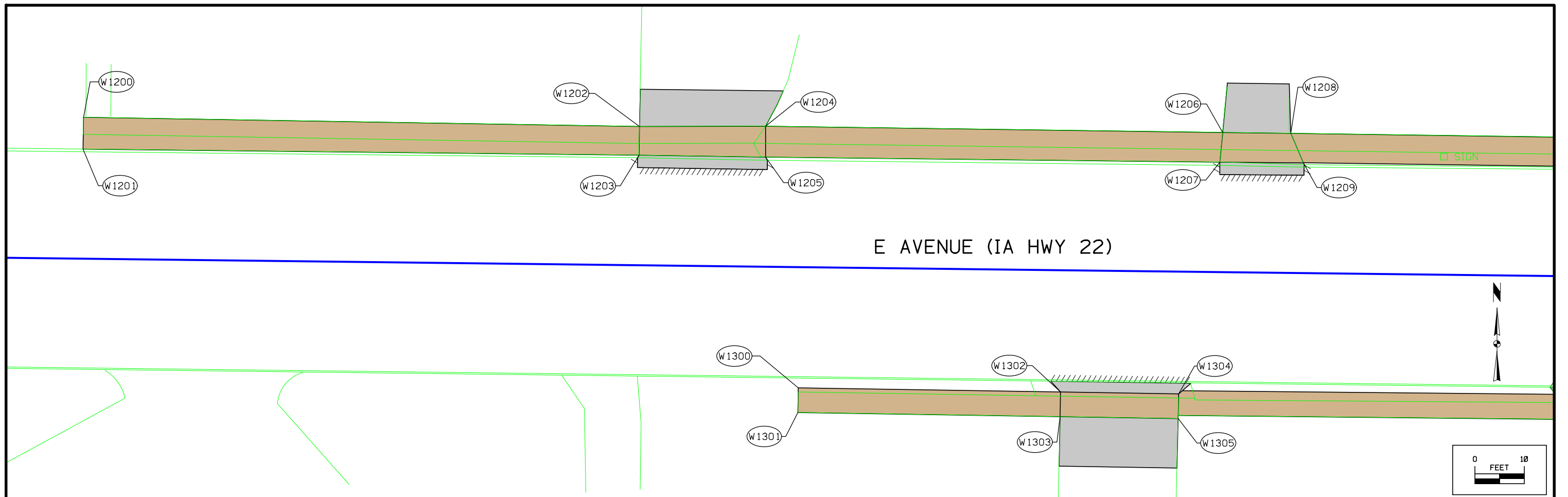
- One block of sidewalk being excavated and removed. PCC will be replaced within 10 working days of being removed.
- One block of sidewalk being prepared for pouring, preparing subgrade, and forming.
- One block of sidewalk being replaced (pouring concrete).
- One block of sidewalk being finished, including backfilling, soil preparation, and seeding.

PEDESTRIAN PATH CLOSURES

Refer to TC-601.

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

Location	Side Or Quadrant	Type III Barricades*	Remarks
		No.	
IA Hwy 22 (Beginning of Project)	Left	1	Mid-Block Closure
IA Hwy 22/4th St	NW	1	Closure at Intersection
IA Hwy 22/4th St	NE	1	Closure at Intersection
IA Hwy 22/4th St	SE	1	Closure at Intersection
IA Hwy 22/4th St	SE	1	Closure at Intersection
IA Hwy 22/4th St	SW	2	Closures at Intersection
IA Hwy 22/5th St	NW	1	Closure at Intersection
IA Hwy 22/5th St	NE	1	Closure at Intersection
IA Hwy 22/5th St	SW	1	Closure at Intersection
IA Hwy 22/5th St	SE	1	Closure at Intersection
IA Hwy 22/6th St	NW	1	Closure at Intersection
IA Hwy 22/6th St	NE	1	Closure at Intersection
IA Hwy 22/6th St	SW	1	Closure at Intersection
IA Hwy 22/6th St	SE	1	Closure at Intersection
1st St/B Ave	NE	1	Closure at Intersection
	SE	1	Closure at Intersection



E AVENUE (IA HWY 22)

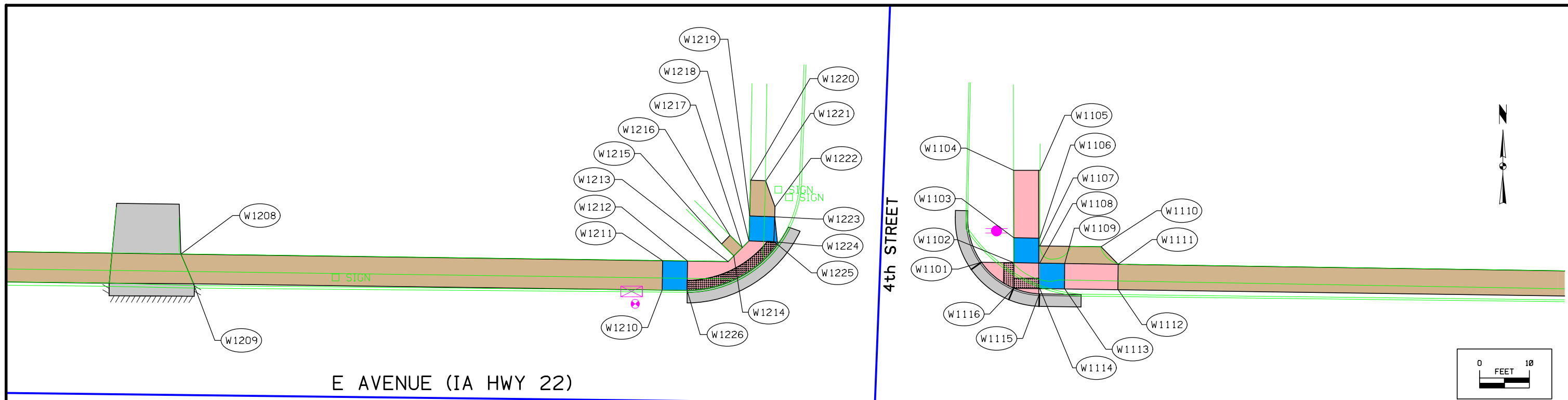
113-10
04-18-17

SIDEWALK COMPLIANCE

See 5 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* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
											W1200	W1201	Sidewalk Cross Slope	4
W1202	W1203	Sidewalk Cross Slope	4	5.81	-0.09	-1.5%	0.5% to 2.0%			MATCH EXISTING BACK OF CURB ELEVATION	W1201	68503+86.55	23556863.64	662.20
W1204	W1205	Sidewalk Cross Slope	4	6.26	-0.09	-1.4%	0.5% to 2.0%				W1202	68503+91.14	23556976.31	661.41
W1206	W1207	Sidewalk Cross Slope	4	6.00	-0.09	-1.4%	0.5% to 2.0%				W1203	68503+85.34	23556976.21	661.32
W1208	W1209	Sidewalk Cross Slope	4	6.32	-0.09	-1.4%	0.5% to 2.0%				W1204	68503+90.94	23557001.68	661.56
W1300	W1301	Sidewalk Cross Slope	4	5.00	0.07	1.5%	0.5% to 2.0%				W1205	68503+84.93	23557001.84	661.47
W1302	W1303	Sidewalk Cross Slope	4	5.00	0.07	1.4%	0.5% to 2.0%				W1206	68503+89.93	23557094.39	660.92
W1304	W1305	Sidewalk Cross Slope	4	5.00	0.08	1.6%	0.5% to 2.0%	Yes			W1207	68503+83.91	23557093.81	660.83
											W1208	68503+89.74	23557108.17	661.22



E AVENUE (IA HWY 22)

4th STREET

113-10
04-18-17

SIDEWALK COMPLIANCE

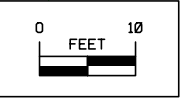
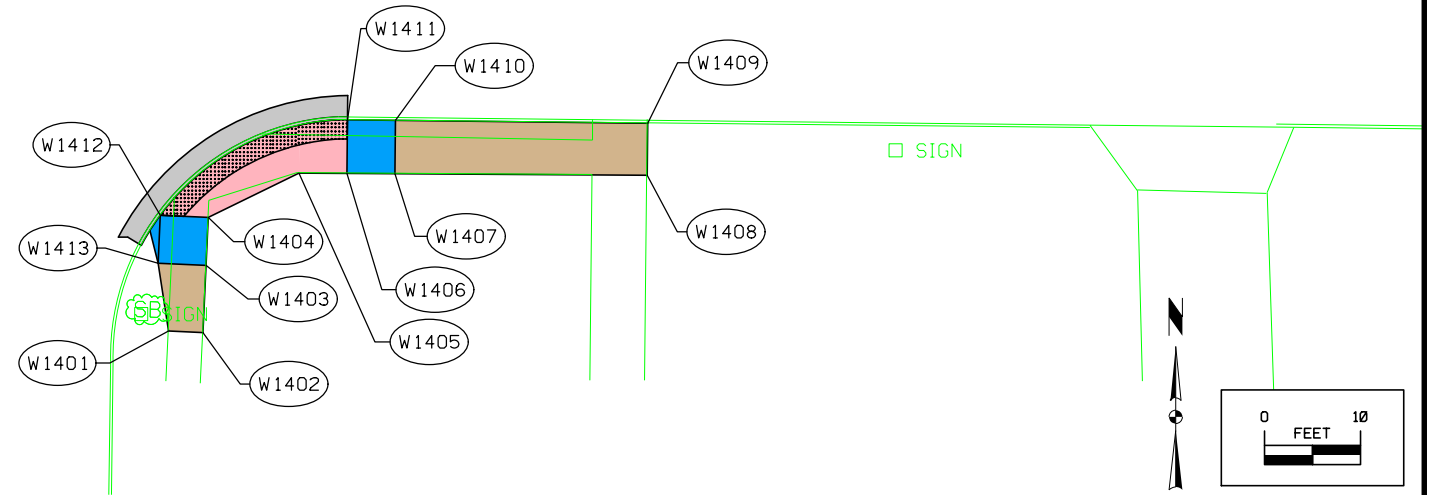
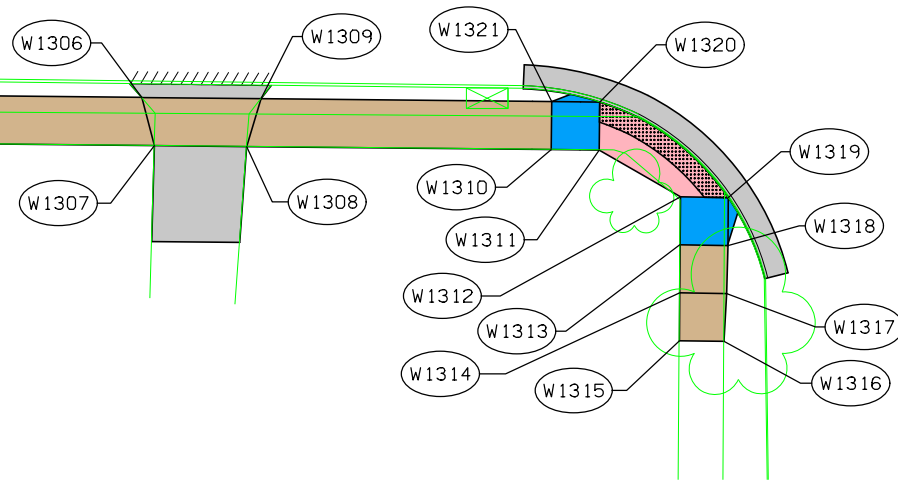
See 5 Sheets

- * 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* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W1101 W1102	Ramp Running Slope	6	6.49	0.13	2.0%	0.5% to 8.3%					W1101	68503+93.01	23556863.74	660.65
W1102 W1103	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%				Match curb profile	W1102	68503+86.55	23556863.64	660.78
W1103 W1104	Ramp Running Slope	6	13.51	0.89	6.6%	0.5% to 8.3%					W1103	68503+91.14	23556976.31	660.86
W1104 W1105	Match Existing Cross Slope	4	5.00	-0.01	-0.3%	Match Existing					W1104	68503+85.34	23556976.21	661.75
W1105 W1106	Ramp Running Slope	6	13.59	-0.81	-5.9%	0.5% to 8.3%					W1105	68503+90.94	23557001.68	661.74
W1106 W1108	Landing/Turning Space	4	5.00	-0.07	-1.5%	0.1% to 2.0%					W1106	68503+84.93	23557001.84	660.93
W1108 W1109	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%					W1107	68503+89.93	23557094.39	661.76
W1109 W1111	Ramp Running Slope	6	10.72	0.60	5.6%	0.5% to 8.3%					W1108	68503+83.91	23557093.81	660.86
W1111 W1112	Sidewalk Cross Slope	4	5.00	-0.08	-1.5%	0.5% to 2.0%					W1109	68503+89.74	23557108.17	660.93
W1112 W1113	Ramp Running Slope	6	10.72	-0.75	-7.0%	0.5% to 8.3%					W1110	68503+83.79	23557110.87	661.69
W1113 W1114	Landing/Turning Space	4	5.00	-0.02	-0.4%	0.1% to 2.0%					W1111	68503+37.39	23557008.44	661.53
W1114 W1115	Ramp Running Slope	6	1.20	-0.07	-5.8%	0.5% to 8.3%					W1112	68503+33.27	23557008.38	661.46
W1115 W1116	Crosswalk Cross Slope - No Yield Condition	6	5.25	-0.13	-2.5%	0.0% to 5.0%					W1113	68503+37.42	23557061.56	660.70
W1116 W1101	Crosswalk Cross Slope - Yield Condition	6	8.40	0.17	2.0%	0.0% to 2.0%					W1114	68503+32.42	23557061.48	660.68
W1116 W1101	Crosswalk Cross Slope - Yield Condition	6	5.00	0.17	3.4%	0.0% to 4.4%					W1115	68503+37.04	23557085.48	660.61
W1102 W1116	Ramp Running Slope	6	5.00	-0.30	-6.0%	0.5% to 8.3%					W1116	68503+32.04	23557085.39	660.48
W1102 W1108	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%								
W1103 W1106	Landing/Turning Space	4	5.00	0.07	1.5%	0.1% to 2.0%								
W1210 W1211	Landing/Turning Space	4	5.00	0.07	1.3%	0.1% to 2.0%				Match curb profile	W1210			661.01
W1211 W1212	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%					W1211			661.08
W1212 W1213	Ramp Running Slope	6	8.20	0.09	1.1%	0.5% to 8.3%					W1212			661.01
W1213 W1214	Ramp Running Slope	6	1.59	0.09	5.7%	0.5% to 8.3%					W1213			661.10
W1214 W1215	Sidewalk Running Slope	4	3.43	0.28	8.2%	0.5% to 9.2%				Slope required to match existing conditions	W1214			661.19
W1215 W1216	Match Existing Cross Slope	4	2.40	0.01	0.6%	Match Existing				Slope required to match existing conditions	W1215			661.47
W1216 W1217	Sidewalk Running Slope	4	3.43	-0.68	-19.9%	0.5% to 20.9%				Slope required to match existing conditions	W1216			661.48
W1217 W1218	Ramp Cross Slope	6	1.87	-0.02	-1.1%	0.1% to 2.0%					W1217			660.80
W1218 W1219	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					W1218			660.78
W1219 W1220	Sidewalk Running Slope	4	7.18	0.58	8.1%	0.5% to 9.1%					W1219			660.85
W1220 W1221	Match Existing Cross Slope	4	3.00	0.04	1.3%	Match Existing					W1220			661.43
W1221 W1222	Sidewalk Running Slope	4	5.54	-0.62	-11.1%	0.5% to 12.1%				Slope required to match existing conditions	W1221			661.47
W1222 W1223	Sidewalk Running Slope	4	1.64	-0.07	-4.3%	0.5% to 5.0%	Yes				W1222			660.85
W1223 W1224	Landing/Turning Space	4	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes				W1223			660.78
W1224 W1225	Ramp Running Slope	6	0.93	-0.01	-1.0%	0.5% to 8.3%					W1224			660.70
W1225 W1226	Crosswalk Cross Slope - Yield Condition	6	21.10	0.24	1.1%	0.0% to 2.0%					W1225			660.69
W1226 W1212	Landing/Turning Space	4	5.00	0.08	1.6%	0.1% to 2.0%	Yes				W1226			660.93
W1218 W1224	Landing/Turning Space	4	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes							

E AVENUE (IA HWY 22)

4th STREET



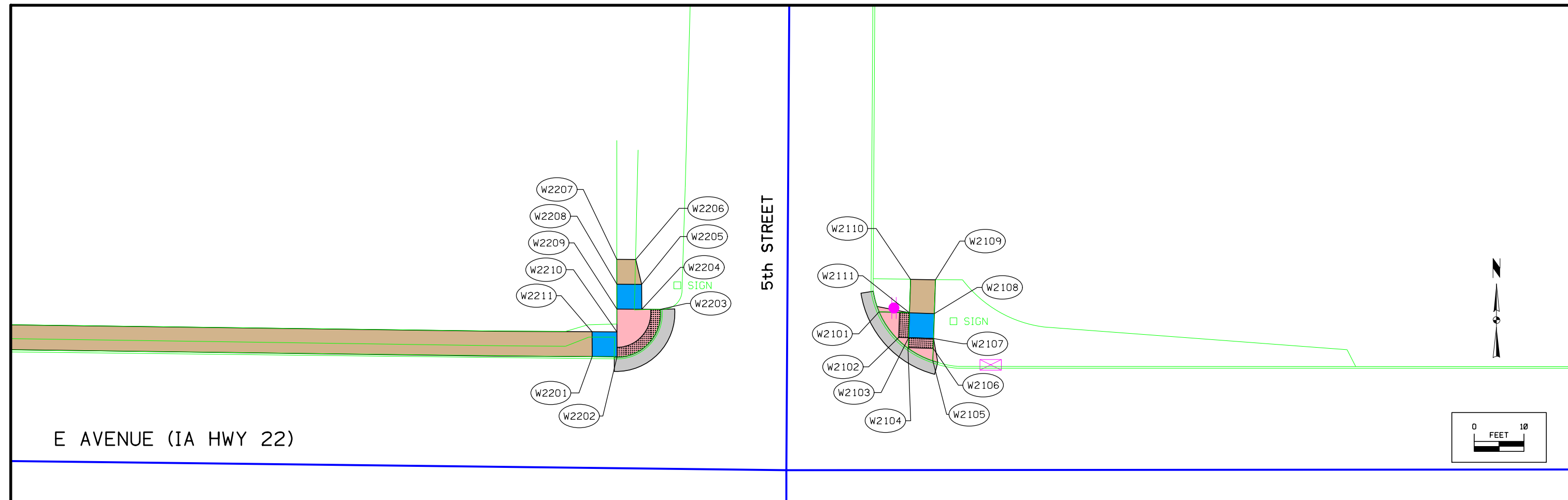
113-10
04-18-17

SIDEWALK COMPLIANCE

See 5 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* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W1306 W1307	Sidewalk Cross Slope	4	5.00	0.07	1.4%	0.5% to 2.0%					W1306	68503+36.91	23557161.91	660.78
W1308 W1309	Sidewalk Cross Slope	4	5.00	-0.08	-1.6%	0.5% to 2.0%	Yes				W1307	68503+31.90	23557163.24	660.85
W1310 W1311	Landing/Turning Space	4	5.00	0.09	1.8%	0.1% to 2.0%	Yes				W1308	68503+31.80	23557172.86	660.90
W1311 W1312	Ramp Running Slope	6	9.78	0.37	3.8%	0.5% to 8.3%					W1309	68503+36.79	23557174.35	660.82
W1312 W1313	Landing/Turning Space	4	5.00	0.08	1.6%	0.1% to 2.0%	Yes				W1310	68503+31.50	23557204.57	660.54
W1313 W1314	Sidewalk Running Slope	4	5.00	0.23	4.6%	0.5% to 5.0%	Yes				W1311	68503+31.45	23557209.57	660.63
W1314 W1315	Sidewalk Running Slope	4	5.00	0.27	5.4%	0.5% to 6.4%					W1312	68503+26.58	23557218.04	661.00
W1315 W1316	Match Existing Cross Slope	4	5.00	-0.16	-3.2%	Match Existing					W1313	68503+21.58	23557217.96	661.08
W1316 W1317	Sidewalk Running Slope	4	5.00	-0.29	-5.8%	0.5% to 6.8%					W1314	68503+16.58	23557217.97	661.31
W1317 W1318	Sidewalk Running Slope	4	5.00	-0.28	-5.6%	0.5% to 6.6%					W1315	68503+11.58	23557217.93	661.58
W1318 W1319	Landing/Turning Space	4	5.00	0.19	3.8%	0.1% to 4.8%					W1316	68503+11.50	23557222.59	661.42
W1319 W1320	Crosswalk Cross Slope - Yield Condition	6	17.10	-0.63	-3.7%	0.0% to 4.7%					W1317	68503+16.50	23557222.87	661.13
W1320 W1321	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					W1318	68503+21.50	23557222.99	660.85
W1320 W1310	Landing/Turning Space	4	7.07	0.13	1.8%	0.1% to 2.0%	Yes				W1319	68503+26.50	23557223.03	661.04
W1321 W1310	Landing/Turning Space	4	5.00	0.06	1.2%	0.1% to 2.0%					W1320	68503+36.45	23557209.62	660.41
W1313 W1319	Landing/Turning Space	4	7.07	-0.04	-0.5%	0.1% to 2.0%					W1321	68503+36.50	23557204.62	660.48
W1401 W1402	Match Existing Cross Slope	4	4.00	0.06	1.6%	Match Existing					W1401	68503+14.16	23557273.49	661.10
W1402 W1403	Ramp Running Slope	6	7.00	-0.51	-7.3%	0.5% to 8.3%					W1402	68503+14.00	23557277.07	661.16
W1403 W1404	Landing/Turning Space	4	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes				W1403	68503+20.99	23557277.39	660.65
W1404 W1405	Ramp Running Slope	6	10.53	0.51	4.9%	0.5% to 8.3%					W1404	68503+25.99	23557277.62	660.57
W1405 W1406	Ramp Running Slope	6	5.00	-0.01	-0.2%	0.5% to 8.3%					W1405	68503+30.61	23557287.08	661.08
W1406 W1407	Landing/Turning Space	4	5.00	0.06	1.2%	0.1% to 2.0%					W1406	68503+30.58	23557292.08	661.08
W1407 W1408	Sidewalk Running Slope	4	26.30	0.08	0.3%	0.5% to 5.0%					W1407	68503+30.55	23557297.08	661.14
W1408 W1409	Sidewalk Cross Slope	4	5.50	-0.08	-1.5%	0.5% to 2.0%					W1408	68503+30.39	23557323.35	661.22
W1409 W1410	Sidewalk Running Slope	4	5.50	-0.06	-1.1%	0.5% to 5.0%					W1409	68503+35.81	23557323.40	661.14
W1410 W1411	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%				Match curb profile	W1410	68503+36.12	23557297.12	661.08
W1411 W1412	Crosswalk Cross Slope - Yield Condition	6	22.64	-0.50	-2.2%	0.0% to 3.2%					W1411	68503+36.15	23557292.12	661.00
W1412 W1413	Landing/Turning Space	4	5.00	0.08	1.6%	0.1% to 2.0%	Yes				W1412	68503+26.22	23557272.63	660.50
W1413 W1401	Ramp Running Slope	6	7.14	0.52	7.3%	0.5% to 8.3%					W1413	68503+21.22	23557272.40	660.58
W1404 W1412	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%								
W1404 W1413	Landing/Turning Space	4	7.07	0.01	0.1%	0.1% to 2.0%								
W1406 W1411	Landing/Turning Space	4	5.00	-0.08	-1.5%	0.1% to 2.0%								
W1407 W1410	Landing/Turning Space	4	5.00	-0.06	-1.2%	0.1% to 2.0%								
W1407 W1411	Landing/Turning Space	4	7.07	-0.14	-1.9%	0.1% to 2.0%	Yes							



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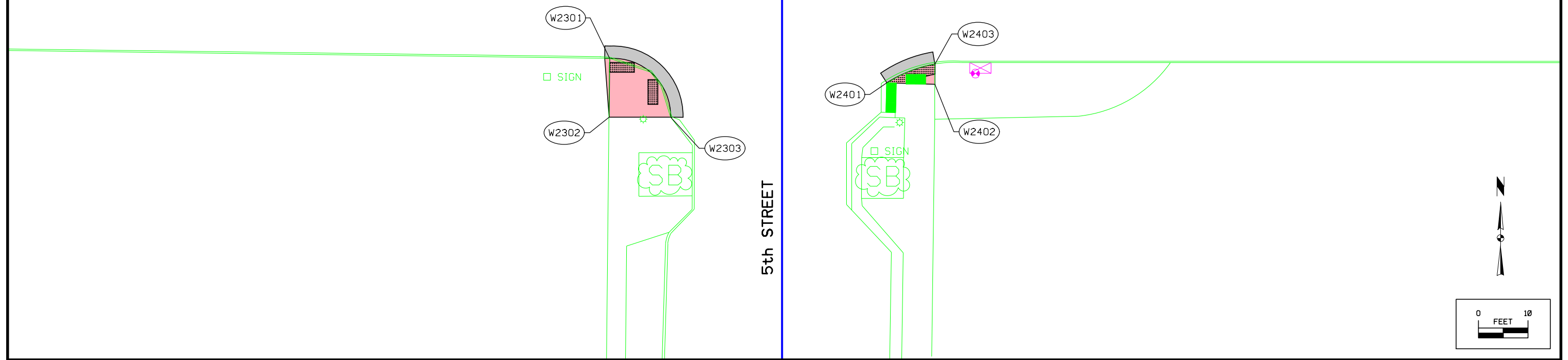
SIDEWALK COMPLIANCE

See S Sheets

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

Point to Point	Sidewalk Designation	_ " PCC Sidewalk ②	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W2101 W2102	Crosswalk Cross Slope - Yield Condition	6	6.60	0.01	0.1%	0.0% to 2.0%					W2101	68503+86.23	23557733.89	659.61
W2102 W2103	Ramp Running Slope	6	2.30	0.12	5.2%	0.5% to 8.3%					W2102	68503+80.79	23557737.54	659.62
W2103 W2104	Ramp Running Slope	6	2.00	-0.11	-5.5%	0.5% to 8.3%					W2103	68503+81.02	23557739.84	659.74
W2104 W2105	Crosswalk Cross Slope - No Yield Condition	6	5.60	-0.17	-3.0%	0.0% to 5.0%					W2104	68503+78.92	23557739.70	659.63
W2105 W2106	Ramp Running Slope	6	2.50	0.20	8.0%	0.5% to 8.3%	Yes				W2105	68503+76.37	23557744.69	659.46
W2106 W2107	Ramp Running Slope	6	2.00	0.16	8.0%	0.5% to 8.3%	Yes				W2106	68503+78.86	23557744.77	659.66
W2107 W2108	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					W2107	68503+80.86	23557744.84	659.82
W2108 W2109	Sidewalk Running Slope	4	6.81	0.41	6.0%	0.5% to 7%					W2108	68503+85.86	23557745.00	659.87
W2109 W2110	Match Existing Cross Slope	4	5.00	-0.13	-2.6%	Match Existing					W2109	68503+92.67	23557745.22	660.28
W2110 W2111	Sidewalk Running Slope	4	6.81	-0.36	-5.3%	0.5% to 6.3%					W2110	68503+92.74	23557740.22	660.15
W2111 W2101	Ramp Running Slope	6	6.11	-0.17	-2.8%	0.5% to 8.3%					W2111	68503+86.02	23557740.00	659.79
W2103 W2108	Landing/Turning Space	4	7.07	0.13	1.8%	0.1% to 2.0%	Yes							
W2107 W2111	Landing/Turning Space	4	7.07	-0.03	-0.5%	0.1% to 2.0%								
W2201 W2202	Landing/Turning Space	4	5.00	-0.07	-1.4%	0.1% to 2.0%					W2201	68503+21.22	23557272.40	659.77
W2202 W2203	Crosswalk Cross Slope - Yield Condition	6	15.20	0.20	1.3%	0.0% to 2.0%					W2202	68503+77.20	23557681.19	659.70
W2203 W2204	Ramp Running Slope	6	3.76	0.12	3.2%	0.5% to 8.3%					W2203	68503+86.73	23557689.93	659.90
W2204 W2205	Landing/Turning Space	4	5.00	0.07	1.4%	0.1% to 2.0%					W2204	68503+86.75	23557686.17	660.02
W2205 W2206	Sidewalk Running Slope	4	5.00	0.04	0.9%	0.5% to 5.0%					W2205	68503+91.75	23557686.16	660.09
W2206 W2207	Match Existing Cross Slope	4	5.00	-0.03	-0.7%	Match Existing					W2206	68503+96.76	23557684.95	660.13
W2207 W2208	Sidewalk Running Slope	4	5.00	0.05	1.0%	0.5% to 5.0%					W2207	68503+96.78	23557681.15	660.10
W2208 W2209	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					W2208	68503+91.78	23557681.16	660.15
W2209 W2210	Ramp Running Slope	6	4.57	-0.37	-8.0%	0.5% to 8.3%	Yes				W2209	68503+86.78	23557681.17	660.20
W2210 W2211	Landing/Turning Space	4	5.00	0.02	0.3%	0.1% to 2.0%					W2210	68503+82.20	23557681.18	659.83
W2211 W2201	Landing/Turning Space	4	5.00	-0.08	-1.6%	0.1% to 2.0%	Yes				W2211	68503+82.23	23557676.18	659.85
W2204 W2208	Landing/Turning Space	4	7.07	0.13	1.8%	0.1% to 2.0%	Yes							
W2205 W2209	Landing/Turning Space	4	7.07	0.11	1.6%	0.1% to 2.0%	Yes							

E AVENUE (IA HWY 22)



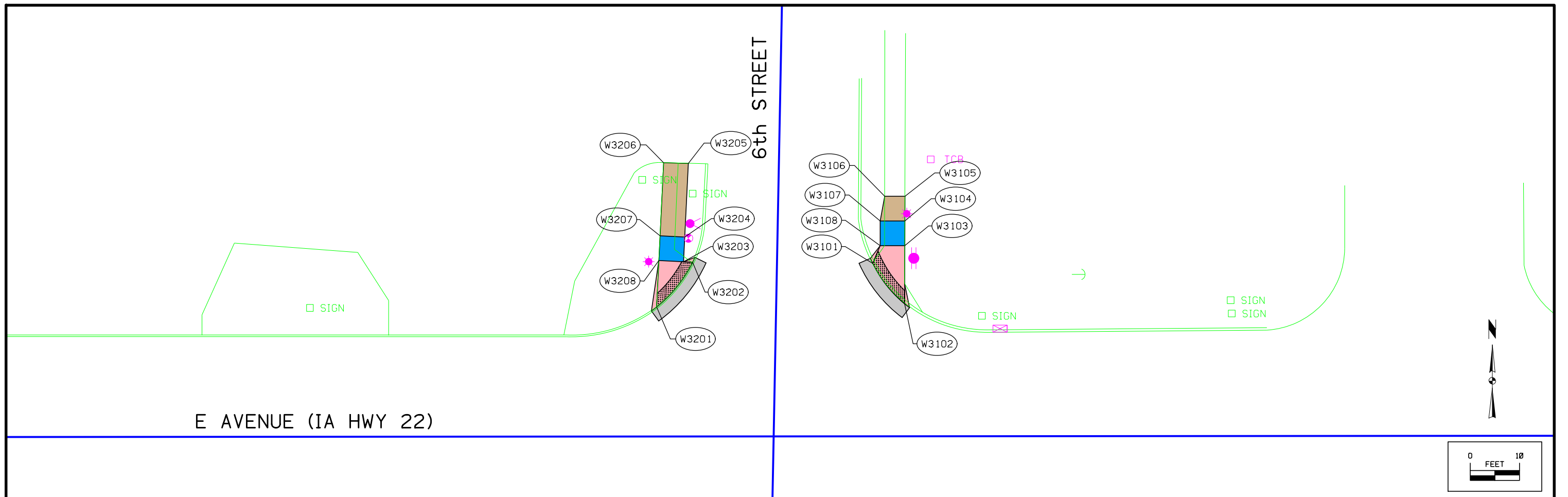
SIDEWALK COMPLIANCE

See 5 Sheets

113-10
04-18-17

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

Point to Point	Sidewalk Designation	_ " PCC Sidewalk ②	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W2301	W2302	Ramp Running Slope	6	11.87	0.40	3.3%	0.5% to 8.3%				W2301	68503+31.61	23557680.44	659.68
W2302	W2303	Ramp Running Slope	6	12.41	-0.42	-3.4%	0.5% to 8.3%				W2302	68503+19.74	23557680.32	660.08
W2303	W2301	Ramp Running Slope	6	19.20	0.02	0.1%	0.5% to 8.3%				W2303	68503+19.74	23557692.74	659.66
W2401	W2402	Ramp Running Slope	6	9.72	0.45	4.6%	0.5% to 8.3%				W2401	68503+26.68	23557736.35	659.47
W2402	W2403	Ramp Running Slope	6	4.10	-0.15	-3.7%	0.5% to 8.3%				W2402	68503+26.37	23557746.07	659.92
W2403	W2401	Crosswalk Cross Slope - No Yield Condition	6	10.50	-0.30	-2.8%	0.0% to 5.0%				W2403	68503+30.45	23557746.07	659.77



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SIDEWALK COMPLIANCE

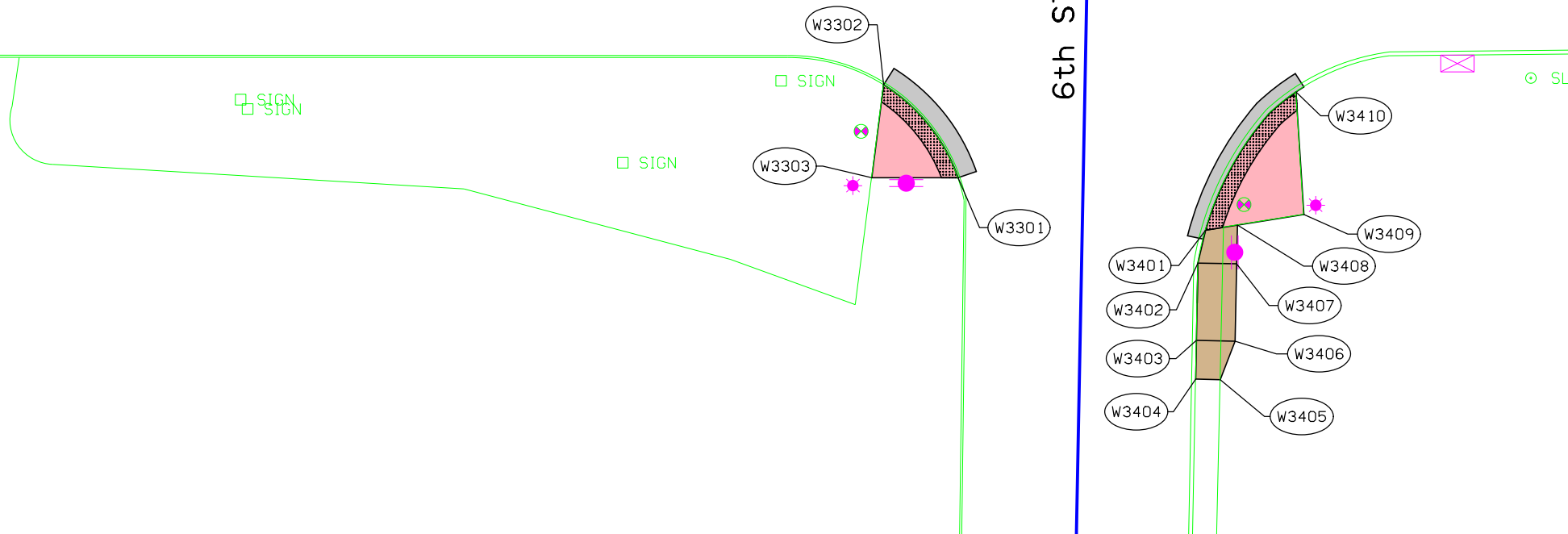
See 5 Sheets

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Point to Point	Sidewalk Designation	" PCC Sidewalk ②	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W3101 W3102	Crosswalk Cross Slope - No Yield Condition	6	10.56	0.19	1.8%	0.0% to 5.0%					W3101	68503+89.68	23558096.56	660.03
W3102 W3103	Ramp Running Slope	6	11.75	0.12	1.0%	0.5% to 8.3%					W3102	68503+81.51	23558103.00	660.22
W3103 W3104	Landing/Turning Space	4	5.00	0.05	1.0%	0.1% to 2.0%					W3103	68503+93.26	23558103.05	660.34
W3104 W3105	Sidewalk Running Slope	4	5.00	0.09	1.8%	0.5% to 5.0%					W3104	68503+98.26	23558103.07	660.39
W3105 W3106	Match Existing Cross Slope	4	4.00	0.11	2.6%	Match Existing					W3105	68504+03.26	23558103.09	660.48
W3106 W3107	Ramp Running Slope	6	5.00	-0.18	-3.5%	0.5% to 8.3%					W3106	68504+03.26	23558098.99	660.59
W3107 W3108	Crosswalk Cross Slope - No Yield Condition	6	5.00	-0.15	-3.0%	0.0% to 5.0%					W3107	68503+98.26	23558098.07	660.41
W3108 W3101	Ramp Running Slope	6	3.88	-0.23	-5.9%	0.5% to 8.3%					W3108	68503+93.26	23558098.05	660.26
W3103 W3107	Landing/Turning Space	4	7.07	0.07	1.0%	0.1% to 2.0%								
W3104 W3108	Landing/Turning Space	4	7.07	-0.13	-1.8%	0.1% to 2.0%	Yes							
W3201 W3202	Crosswalk Cross Slope - No Yield Condition	6	11.77	0.04	0.3%	0.0% to 5.0%					W3201	68503+80.85	23558052.79	660.14
W3202 W3203	Ramp Running Slope	6	1.84	0.02	1.1%	0.5% to 8.3%					W3202	68503+89.92	23558060.09	660.18
W3203 W3204	Landing/Turning Space	4	5.00	0.08	1.5%	0.1% to 2.0%					W3203	68503+90.01	23558058.25	660.20
W3204 W3205	Sidewalk Running Slope	4	14.80	0.16	1.1%	0.5% to 5.0%					W3204	68503+95.01	23558058.50	660.28
W3205 W3206	Match Existing Cross Slope	4	5.00	0.22	4.5%	Match Existing					W3205	68504+09.90	23558059.23	660.43
W3206 W3207	Sidewalk Running Slope	4	14.80	-0.32	-2.2%	0.5% to 5.0%					W3206	68504+10.04	23558054.23	660.65
W3207 W3208	Landing/Turning Space	4	5.00	-0.04	-0.8%	0.1% to 2.0%					W3207	68503+95.25	23558053.50	660.33
W3208 W3201	Ramp Running Slope	6	9.42	-0.15	-1.6%	0.5% to 8.3%					W3208	68503+90.26	23558053.26	660.29
W3203 W3207	Landing/Turning Space	4	7.07	0.13	1.8%	0.1% to 2.0%	Yes							
W3204 W3208	Landing/Turning Space	4	7.07	0.01	0.2%	0.1% to 2.0%								

E AVENUE (IA HWY 22)

6th STREET



113-10
04-18-17

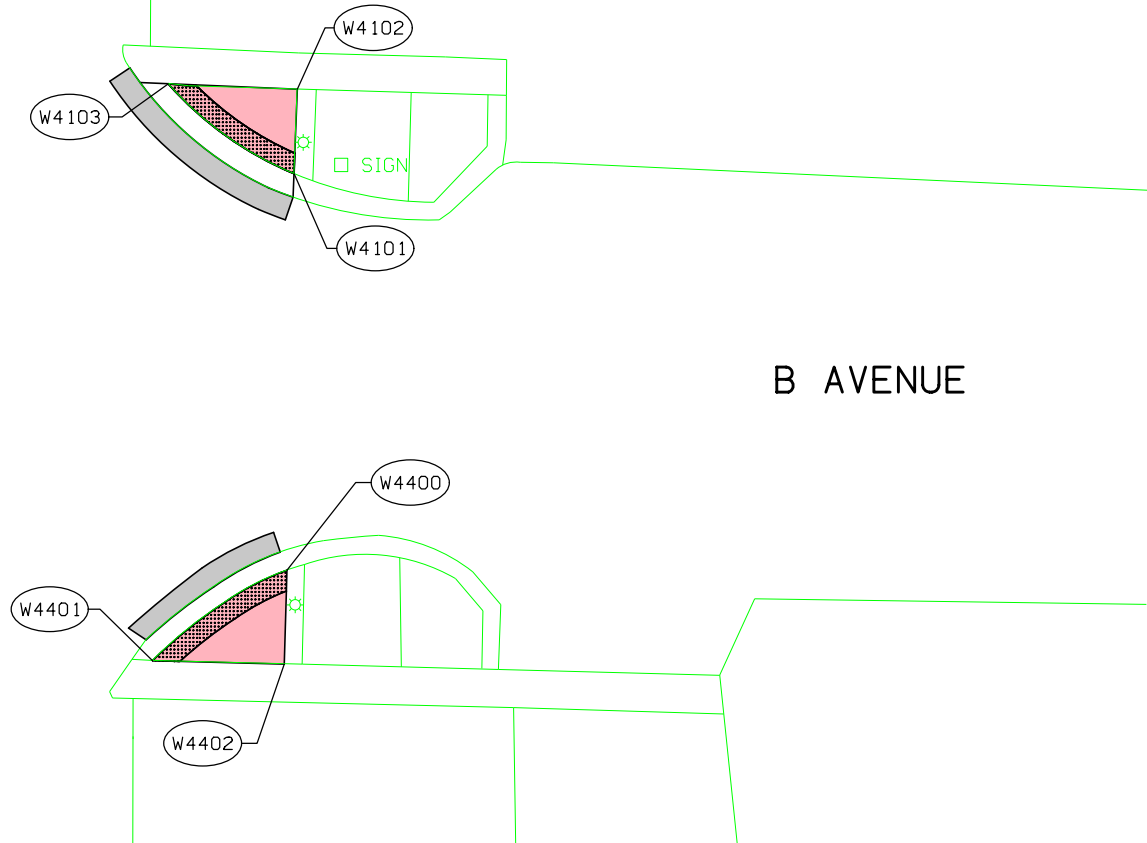
SIDEWALK COMPLIANCE

See 5 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* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W3301 W3302	Crosswalk Cross Slope - Yield Condition	6	15.67	-0.23	-1.5%	0.0% to 2.0%					W3301	68503+15.17	23558059.55	660.32
W3302 W3303	Ramp Running Slope	6	12.10	0.57	4.7%	0.5% to 8.3%					W3302	68503+27.18	23558049.94	660.09
W3303 W3301	Ramp Running Slope	6	11.14	-0.34	-3.0%	0.5% to 8.3%					W3303	68503+15.17	23558048.41	660.66
W3401 W3402	Sidewalk Running Slope	4	4.35	0.14	3.2%	0.5% to 5.0%					W3401	68503+08.40	23558091.52	659.69
W3402 W3403	Sidewalk Running Slope	4	10.00	-0.20	-2.0%	0.5% to 5.0%					W3402	68503+04.16	23558090.54	659.83
W3403 W3404	Sidewalk Running Slope	4	5.00	0.08	1.6%	0.5% to 5.0%					W3403	68502+94.16	23558090.35	659.63
W3404 W3405	Match Existing Cross Slope	4	3.20	0.01	0.3%	Match Existing					W3404	68502+89.16	23558090.26	659.71
W3405 W3406	Sidewalk Running Slope	4	5.32	0.36	6.8%	0.5% to 7.8%					W3405	68502+89.10	23558093.43	659.72
W3406 W3407	Sidewalk Running Slope	4	5.00	0.07	1.4%	0.5% to 5.0%					W3406	68502+94.06	23558095.35	660.08
W3407 W3408	Sidewalk Running Slope	4	5.00	-0.19	-3.8%	0.5% to 5.0%					W3407	68503+04.06	23558095.54	660.15
W3408 W3409	Ramp Running Slope	6	8.70	0.35	4.0%	0.5% to 8.3%					W3408	68503+09.05	23558095.64	659.96
W3409 W3410	Ramp Running Slope	6	15.87	-0.08	-0.5%	0.5% to 8.3%					W3409	68503+10.42	23558104.22	660.30
W3410 W3401	Crosswalk Cross Slope - Yield Condition	6	21.75	-0.53	-2.4%	0.0% to 3.4%					W3410	68503+26.25	23558103.21	660.22

1ST STREET (IA HWY 1)



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04-18-17

SIDEWALK COMPLIANCE

See S Sheets

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Point to Point	Sidewalk Designation	_ " PCC Sidewalk ②	Distance* FT	Δ Elevation FT	Slope %	Acceptable Constructed Range Pos. or Neg.	Staking Required on this Quadrant? ①	Measured Slope %	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
											Point	North(Y)	East(X)	Elevation
W4101 W4102	Ramp Running Slope	6	8.80	0.08	0.9%	0.5% to 8.3%				Slope required to match existing conditions	W4101	6849431.97	23555456.26	665.74
W4102 W4103	Sidewalk Running Slope	6	13.50	0.50	3.7%	0.5% to 5.0%				Slope required to match existing conditions	W4102	6849440.77	23555456.61	665.83
W4103 W4101	Match Existing Cross Slope	6	16.25	-0.58	-3.6%	Match Existing				Slope required to match existing conditions	W4103	6849441.35	23555443.16	666.32
W4400 W4401	Match Existing Cross Slope	6	17.00	0.48	2.8%	Match Existing				Slope required to match existing conditions	W4400	6849390.64	23555455.53	665.84
W4401 W4402	Sidewalk Running Slope	6	13.72	-0.64	-4.7%	0.5% to 5.0%	Yes			Slope required to match existing conditions	W4401	6849381.22	23555441.51	666.32
W4402 W4400	Ramp Running Slope	6	9.78	0.16	1.7%	0.5% to 8.3%				Slope required to match existing conditions	W4402	6849380.87	23555455.23	665.67