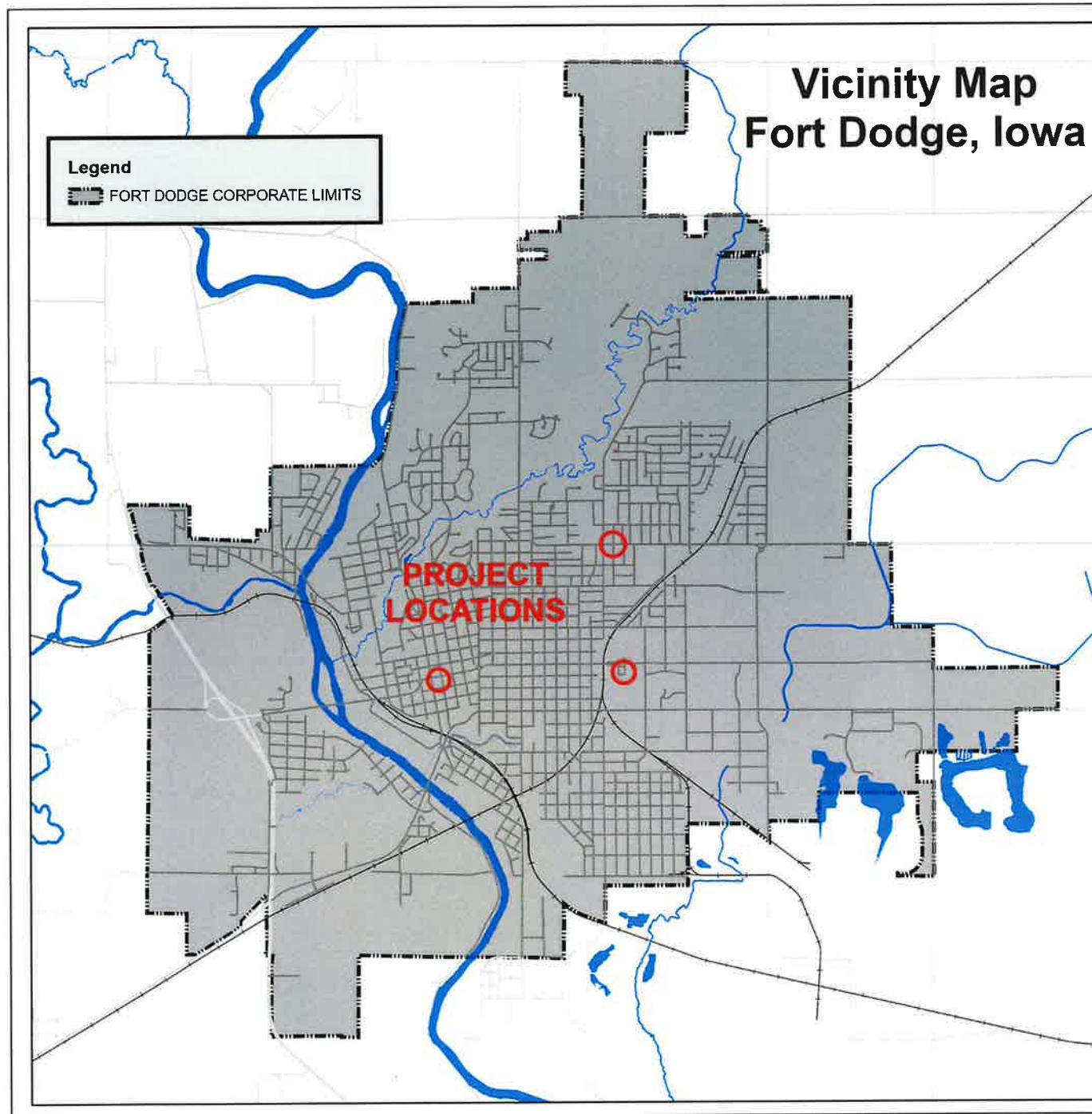


2026 PCC PATCH PROJECT

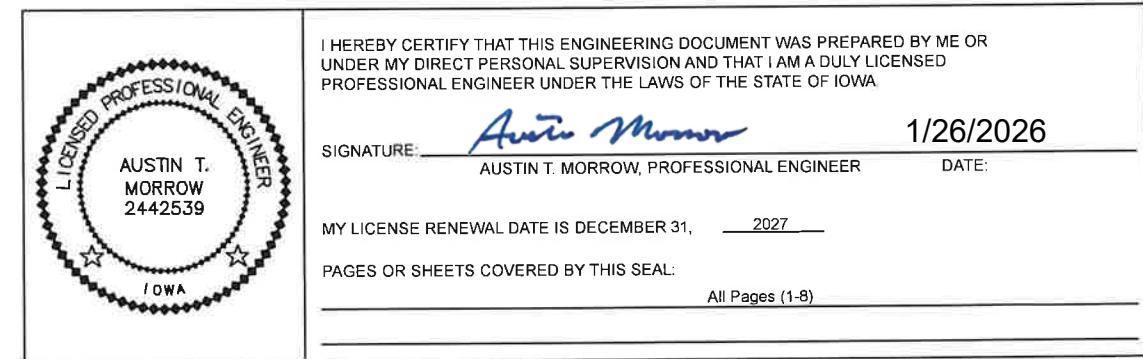
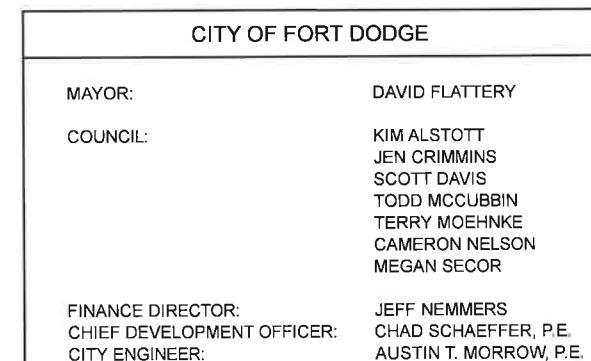
FORT DODGE, IOWA

The Iowa Statewide Urban Design and Specifications (SUDAS)
shall apply to construction work on this project.
(www.iowasudas.org)



INDEX OF DRAWINGS

- A.1 - TITLE SHEET
- B.1 - ESTIMATED REFERENCE INFORMATION
ESTIMATED PROJECT QUANTITIES
GENERAL NOTES
- C.1-C.3 - DETAILS
- D.1-D.3 - PAVING PLAN SHEETS



<p align="center">2026 PCC PATCH PROJECT</p> <p align="center">City of Fort Dodge Engineering Department 819 1ST AVE S FORT DODGE, IA</p>		Designed _____
		Drawn _____
<p align="center">Title Sheet</p>		Checked Austin Marrow PE
		Approved _____
		Title _____
<p align="center">GENERAL NOTES</p>		
<p>Date: 1-1-2026</p>		
<p>Sheet A.1</p>		

ESTIMATE REFERENCE INFORMATION						2026 PCC PATCH PROJECT	
ITEM NO.	ITEM CODE	ITEM	DESCRIPTION	PLAN QUANTITY	UNITS	Designed Drawn Checked Austin Morrow PE	Date Title
1	7040-3.02-A-B	7" PCC REMOVAL	ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO 7" PCC REMOVAL, SAWING, REMOVING AND DISPOSING OF EXISTING PAVEMENT AND REINFORCING, AND RESTORE SUBGRADE AS SPECIFIED IN SUDAS 7040 3.03. SAWCUT IS CONSIDERED INCIDENTAL. JOINT SEALING ON THE PATCH PERIMETER AND WITHIN THE PATCH SHALL BE CONSIDERED INCIDENTAL.	1,426	SY		
2	7040-3.02-C	8" PCC FULL DEPTH PATCH	ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO THE PLACEMENT OF 8" PCC, OR 2 INCHES THICKER THAN THE REMOVED PCC MATERIAL. TIE BARS AND DOWEL BARS SHALL BE CONSIDERED INCIDENTAL TO THE PATCH. MOISTEN THE SUBGRADE. CONFORM TO SECTIONS 7010 ON BARS, FORMS AND PATCH FINISH AND JOINTS, ALL OF WHICH ARE INCIDENTAL TO THE PATCH.	1,296	SY		
3	7040-3.02-C	8" PCC FULL DEPTH PATCH (C3250 chicory spice)	ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO THE PLACEMENT OF 8" PCC, OR 2 INCHES THICKER THAN THE REMOVED PCC MATERIAL FOR CROSS WALK SITUATIONS. TIE BARS AND DOWEL BARS SHALL BE CONSIDERED INCIDENTAL TO THE PATCH IF DEPTH WARRANTS THIS NEED. MOISTEN THE SUBGRADE. CONFORM TO SECTIONS 7010 ON BARS, FORMS AND PATCH FINISH AND JOINTS, ALL OF WHICH ARE INCIDENTAL TO THE PATCH. COLOR FOR THIS CONCRETE SHALL BE C3250 CHICORY SPICE	130	SY		
4	7020-1.08-I	Fixture Adjustment	ITEM INCLUDES ADJUSTING EXISTING MAHOLE CASTINGS TO GRADE AND MANHOLE BOXOUTS AS DEPICTED IN SUDAS FIGURE 7010.103 FOR PCC BOXOUTS. IF REPLACEMENT IS DEEMED NECESSARY, NEW CASTINGS SHALL BE SUPPLIED BY THE CITY. REFER TO PLANS FOR LOCATIONS OF ADJUSTMENTS. ADDITIONAL ADJUSTMENTS MAY BE AUTHORIZED BY THE ENGINEER.	8	EA		
5	7030-1.08-A 7030-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL AND REPLACEMENT OF A 30 INCH CURB SECTION, SIX INCH CURB HEIGHT. CONCRETE SHALL BE CLASS-C MIX. HAND FINISHING METHODS WILL BE ALLOWED FOR ALL SECTIONS. CONSTRUCTION JOINTS SHALL BE PLACED EVERY 15 FEET OR MATCH EXISTING JOINTING. ANY TRAVELWAYS DISTURBED BY THE PLACEMENT OF CURB AND GUTTER WILL BE INCIDENTAL AND REQUIRE REPLACEMENT TO EXISTING DEPTH. ITEM SHALL ALSO INCLUDE BASE MATERIAL NEEDED FOR STABALIZATION AND THE PLACEMENT OF THE NEW CURB AND GUTTER.	0	LF		
6	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK/ DRIVE, REMOVE AND REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE NECESSARY MATERIALS TO TO COMPLETE THE SIDEWALK / DRIVEWAY. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE EXISTING SIDEWALK / DRIVEWAY. CONCRETE SHALL BE CLASS-C MIX. ITEM INCLUDES ALL SIDEWALKS TO THE DEPTH SPECIFIED IN THE PLANS OR SPECIFICATIONS. CONTRACTOR SHALL ENSURE PROPER GRADES AND ACCESSIBILITY COMPLIANCE WITH THE ENGINEER PRIOR TO THE PLACEMENT OF THE CONCRETE. ITEM SHALL ALSO INCLUDE BACKFILL MATERIAL AND SEEDING OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW SIDEWALK / DRIVEWAY.	1,027	SF		
7	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK (C125 sumbrero buff), REMOVE/REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE NECESSARY MATERIALS TO TO COMPLETE THE SIDEWALK. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE EXISTING SIDEWALK. CONCRETE SHALL BE CLASS-C MIX, WITH COLOR OF C125 SUMBRERO BUFF. ITEM INCLUDES ALL SIDEWALKS TO THE DEPTH SPECIFIED IN THE PLANS OR SPECIFICATIONS. CONTRACTOR SHALL ENSURE PROPER GRADES AND ACCESSIBILITY COMPLIANCE WITH THE ENGINEER PRIOR TO THE PLACEMENT OF THE CONCRETE. ITEM SHALL ALSO INCLUDE BACKFILL MATERIAL AND SEEDING OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW SIDEWALK / DRIVEWAY.	726	SF		
8	9010-1.08-B 9010-2.02-A	SEEDING AND SEED MIXTURE	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING: ITEM INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF ROCK AND OTHER DEBRIS FROM THE AREA; REPAIRING RILLS AND WASHES; PRPARING THE SEEDBED; FURNISHING AND PLACING SEED, INCLUDING ANY TREATMENT REQUIRED; FURNISHING AND PLACING FERTILIZER AND MULCH; AND FURNISHING WATER AND OTHER CARE DURING THE CARE PERIOD, WITH A TYPE 1(PERMANENT LAWN MIXTURE) AND SOWN DURING THE SUDAS SPECIFIED DATES.	862	SF		
9	7030-1.08-A 7030-1.08-E	DETECTABLE WARNING DEVICE - STEEL CONSTRUCTION	ITEM INCLUDES FURNISHING AND INSTALLING DETECTABLE WARNING DEVICES AT INTERSECTION RAMPS. CONTRACTOR SHALL ENSURE PROPER PLACEMENT OF PANELS WITH THE ENGINEER PRIOR TO PLACING CONCRETE. DETECTABLE WARNING DEVICE MATERIAL AND COLOR SHALL FOLLOW THE STANDARDS OF THE CITY OF FORT DODGE	143	SF		
10		TRAFFIC CONTROL	TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF AND BE PLACED ACCORDING TO THE CURRENT EDITION OF MUTCD. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE CITY FOR APPROVAL PRIOR TO SET UP. CONTRACTOR IS REQUIRED TO GIVE 48 HOURS NOTICE BEFORE ANY CLOSURES. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE BORDERING PUBLIC IF ACCESS WILL BE DISRUPTED.	1	LS		
11		CONTINGENCY	CONTINGENCY FOR UNFORSEEN CIRCUMSTANCES DUE TO SUBGRADE AND UTILITY ISSUES THAT ARE NOT EVIDENT FROM THE ORIGINAL DESIGN AND DEVELOPMENT PERSPECTIVE OF THE PROJECT.	1	LS		

NOTES:

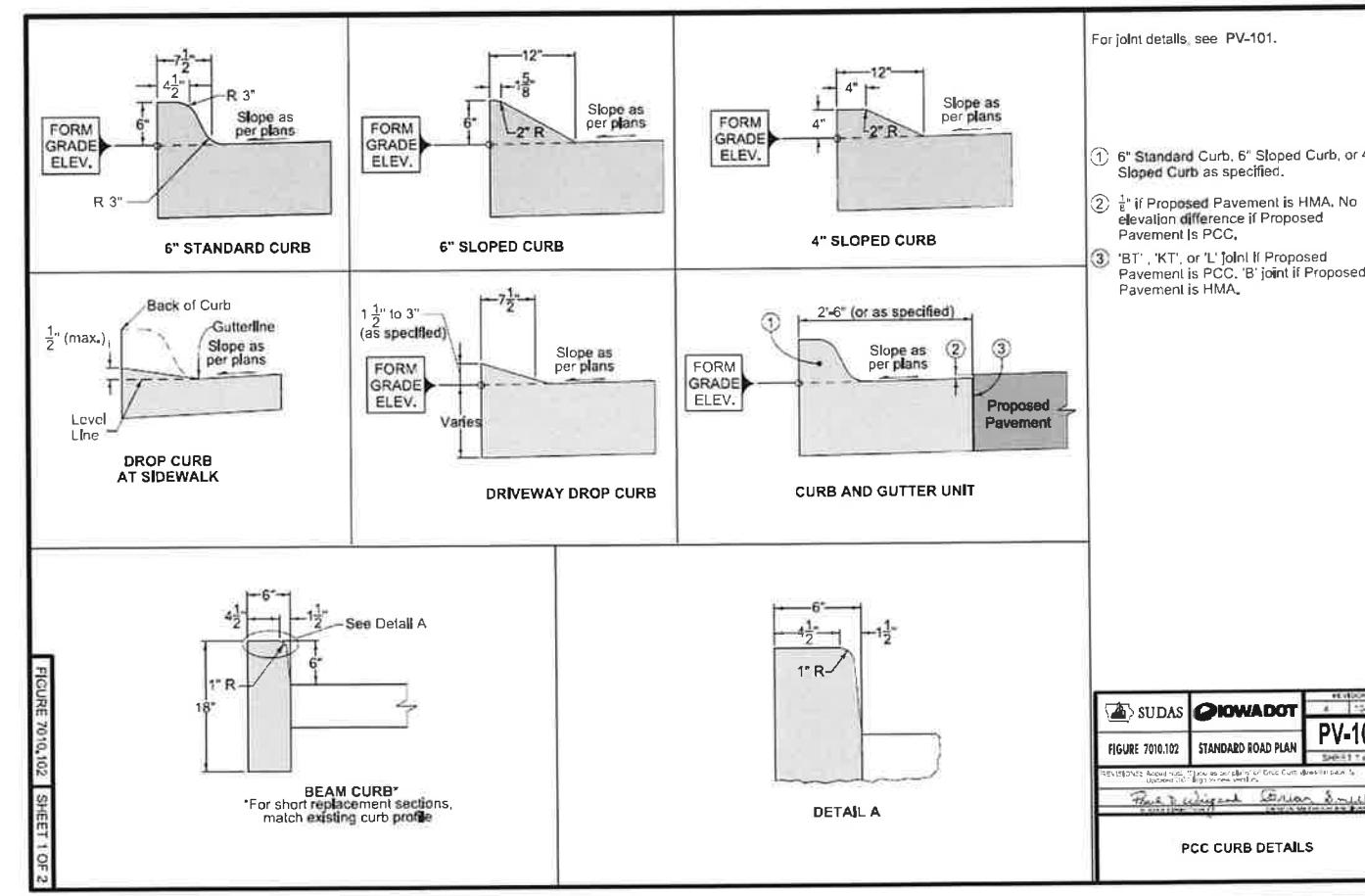
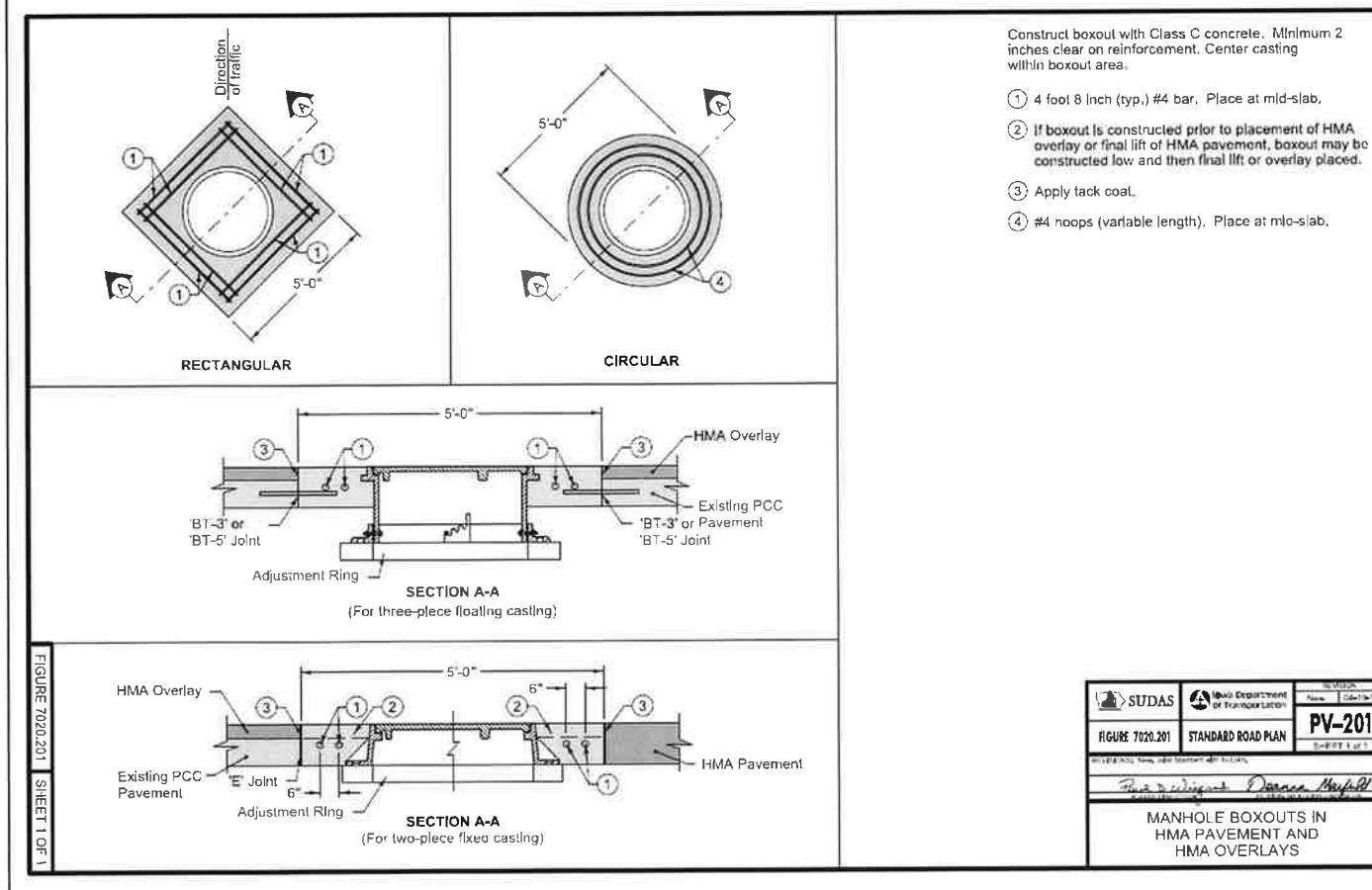
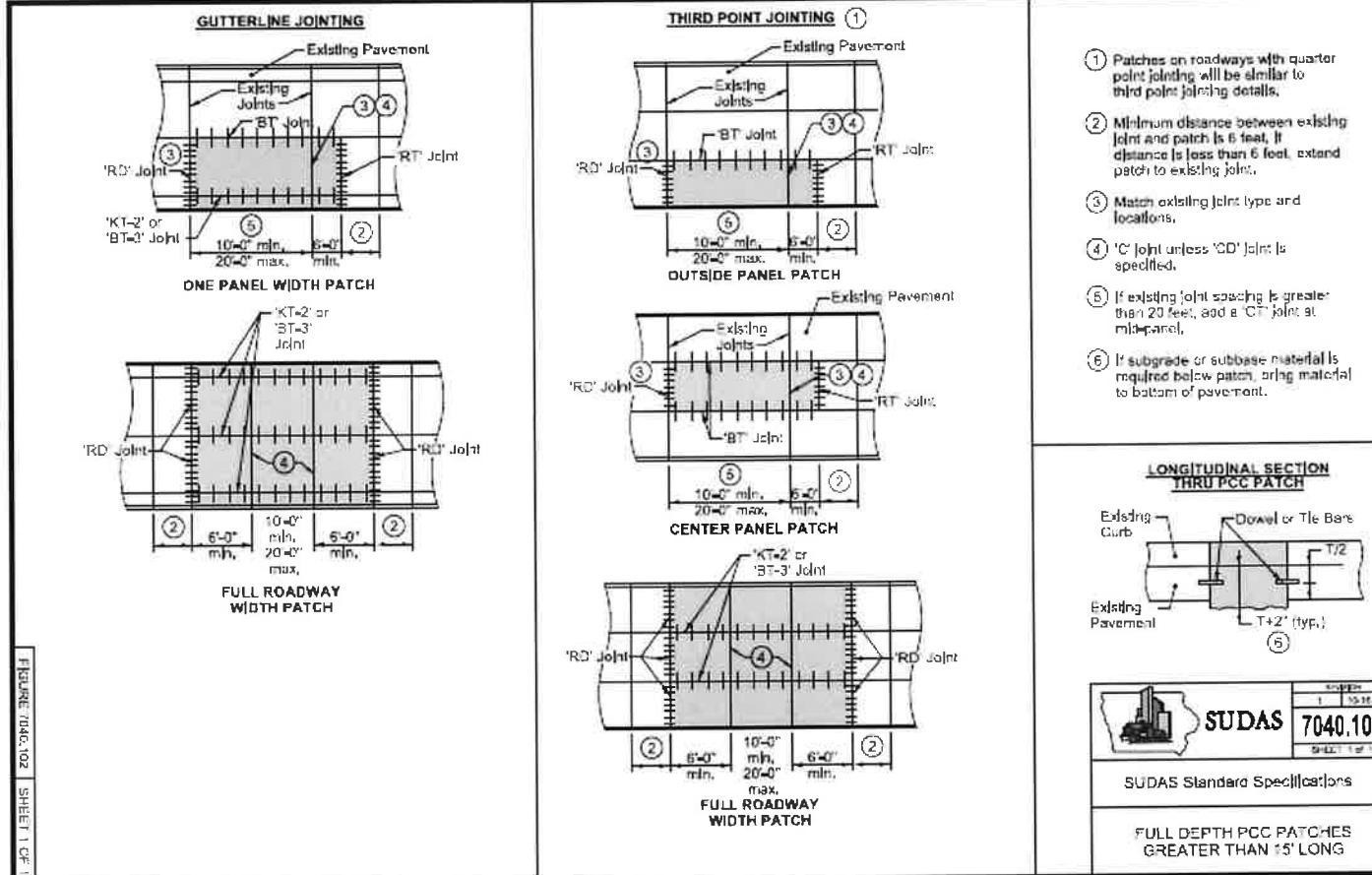
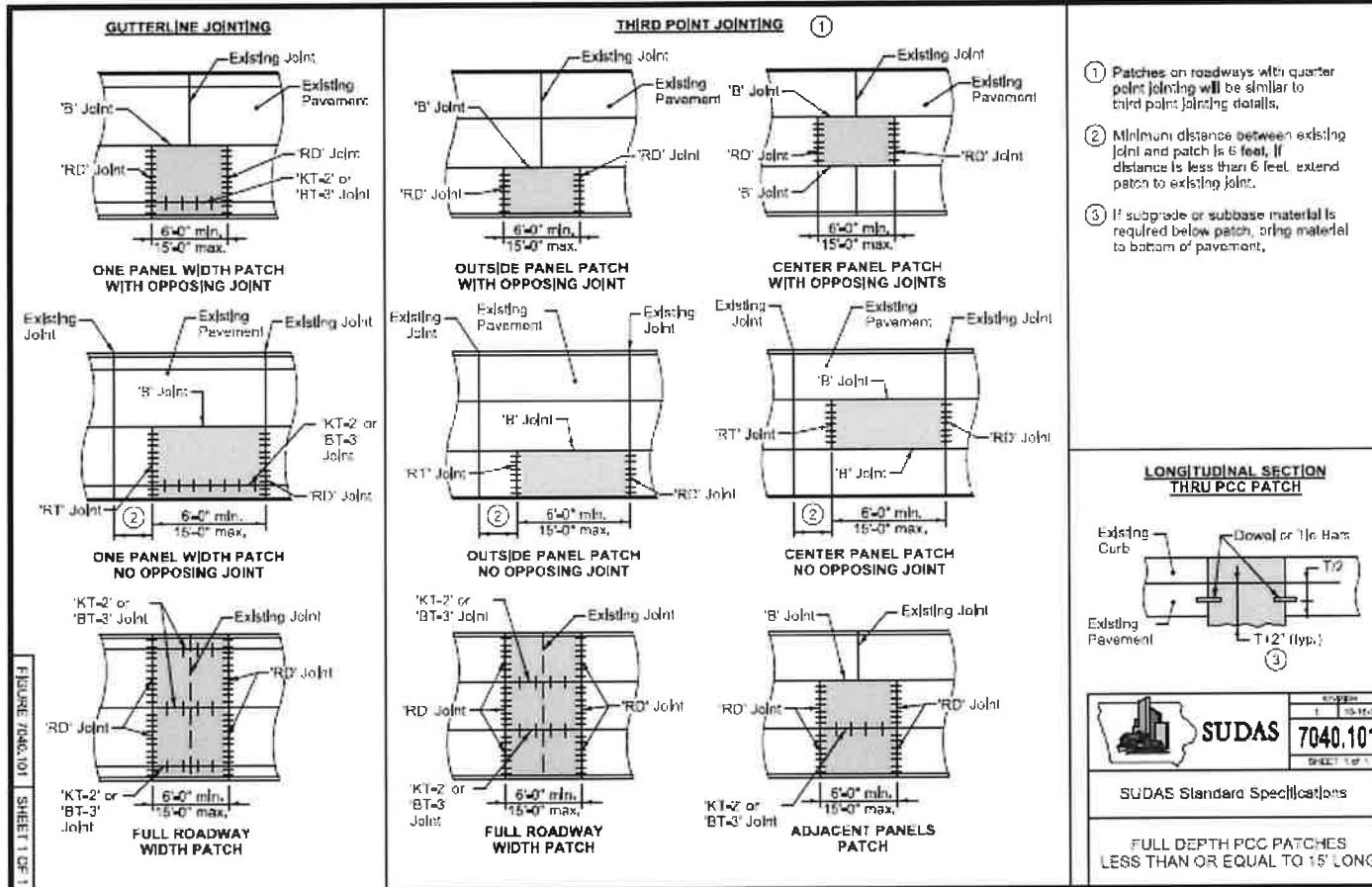
- 1) Curb and gutter shall be considered incidental to integral pours of patches. Only where just curb and gutter sections are separate that the 30 inch remove and replace quantity shall be used.
- 2) Traffic control shall be determined by communication between Contractor and Engineer, for the safety of the construction team, and the general traveling and pedestrian public.
- 3) Fixtures, such as cast iron manholes and intakes shall be replaced, as needed and determined by the Engineer on the project, supplied by the city.
- 4) Joint sealing shall be considered incidental to the placement of concrete and must be completed by removal of foreign material from the joints and before the opening to traffic.
- 5) The contractor shall coordinate work on S 23rd Street with Nestle and Arnold Motor Supply, requiring, that at least one lane shall be maintained open at all times.

GENERAL NOTES	

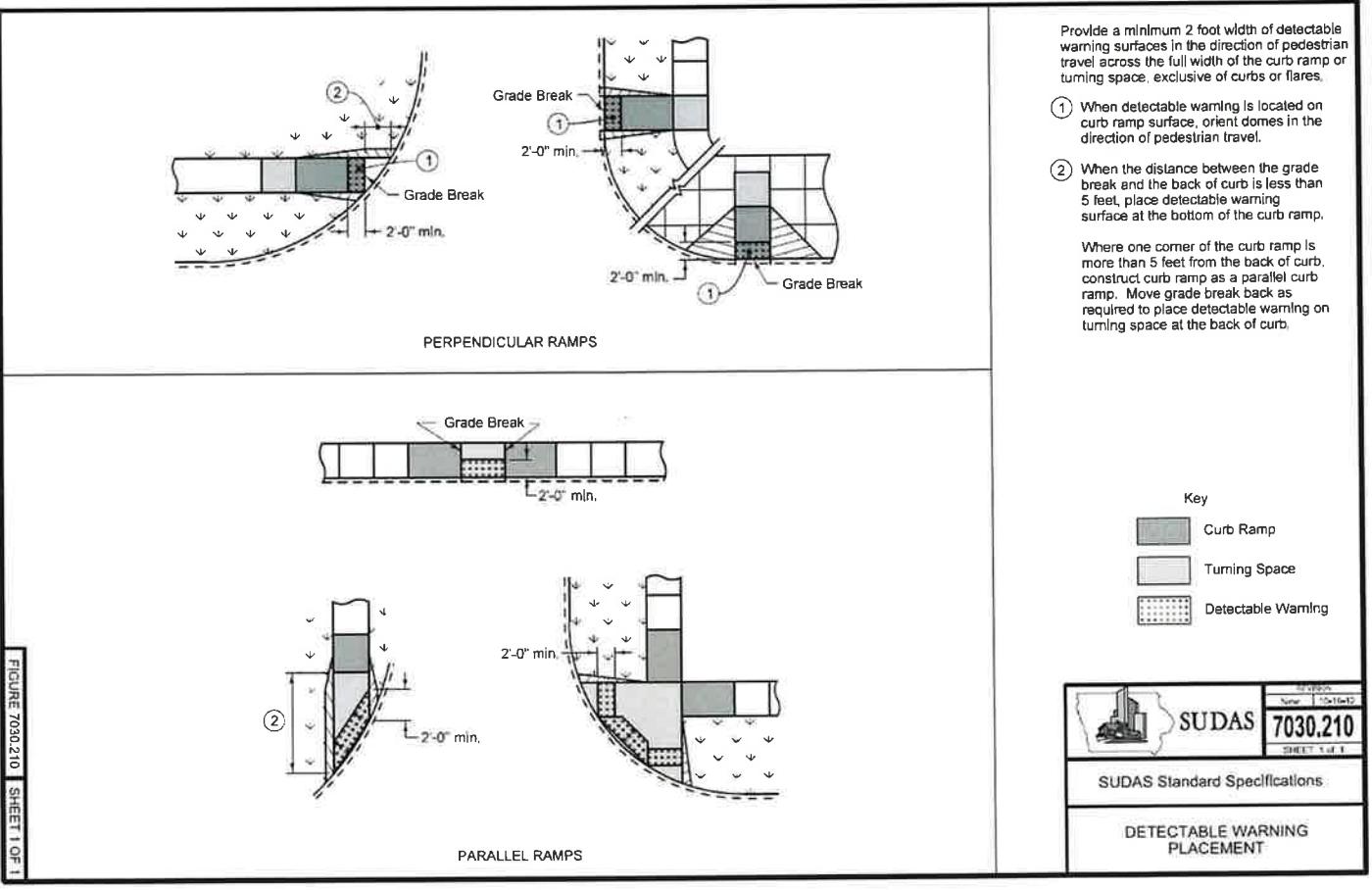
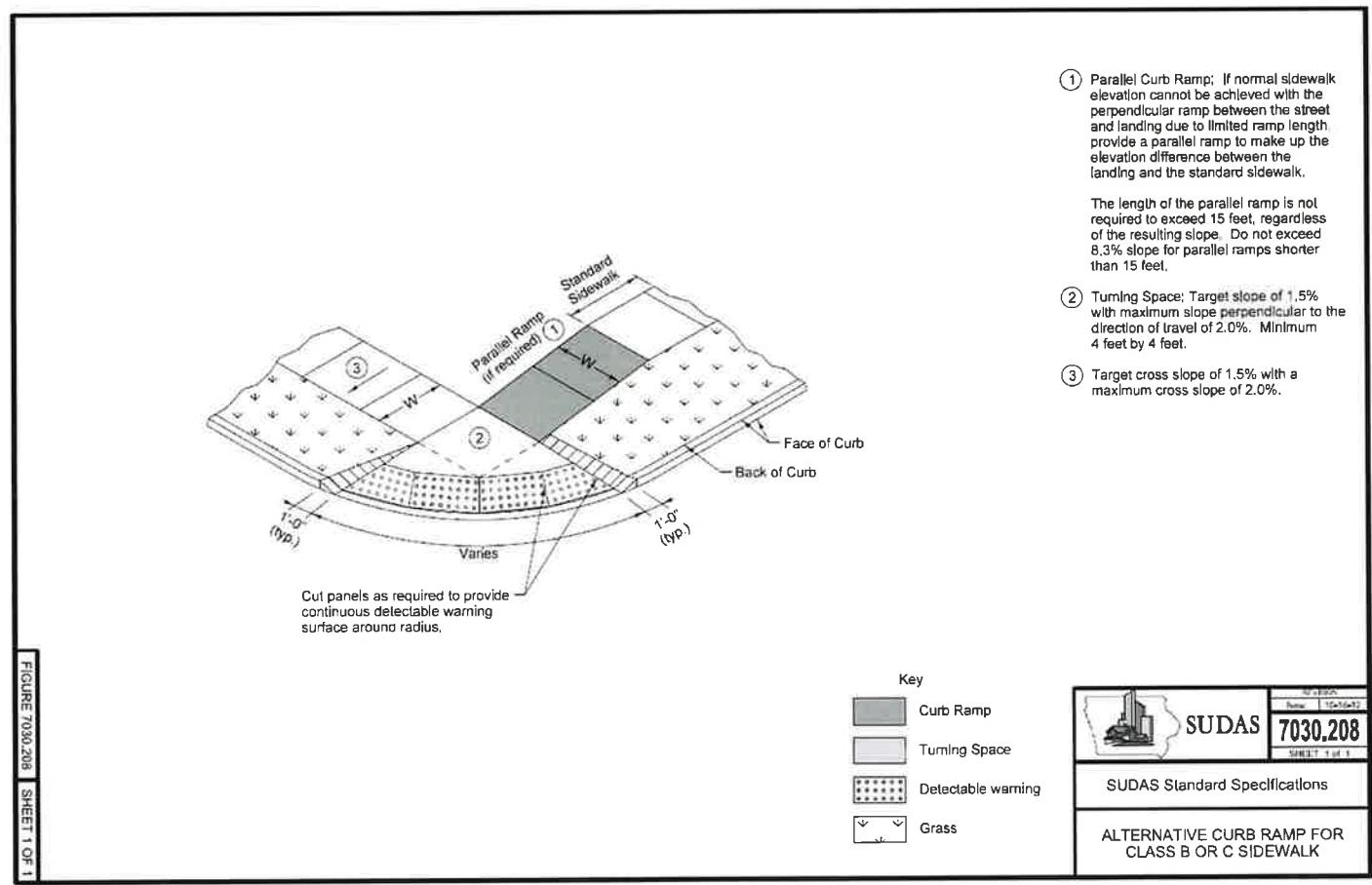
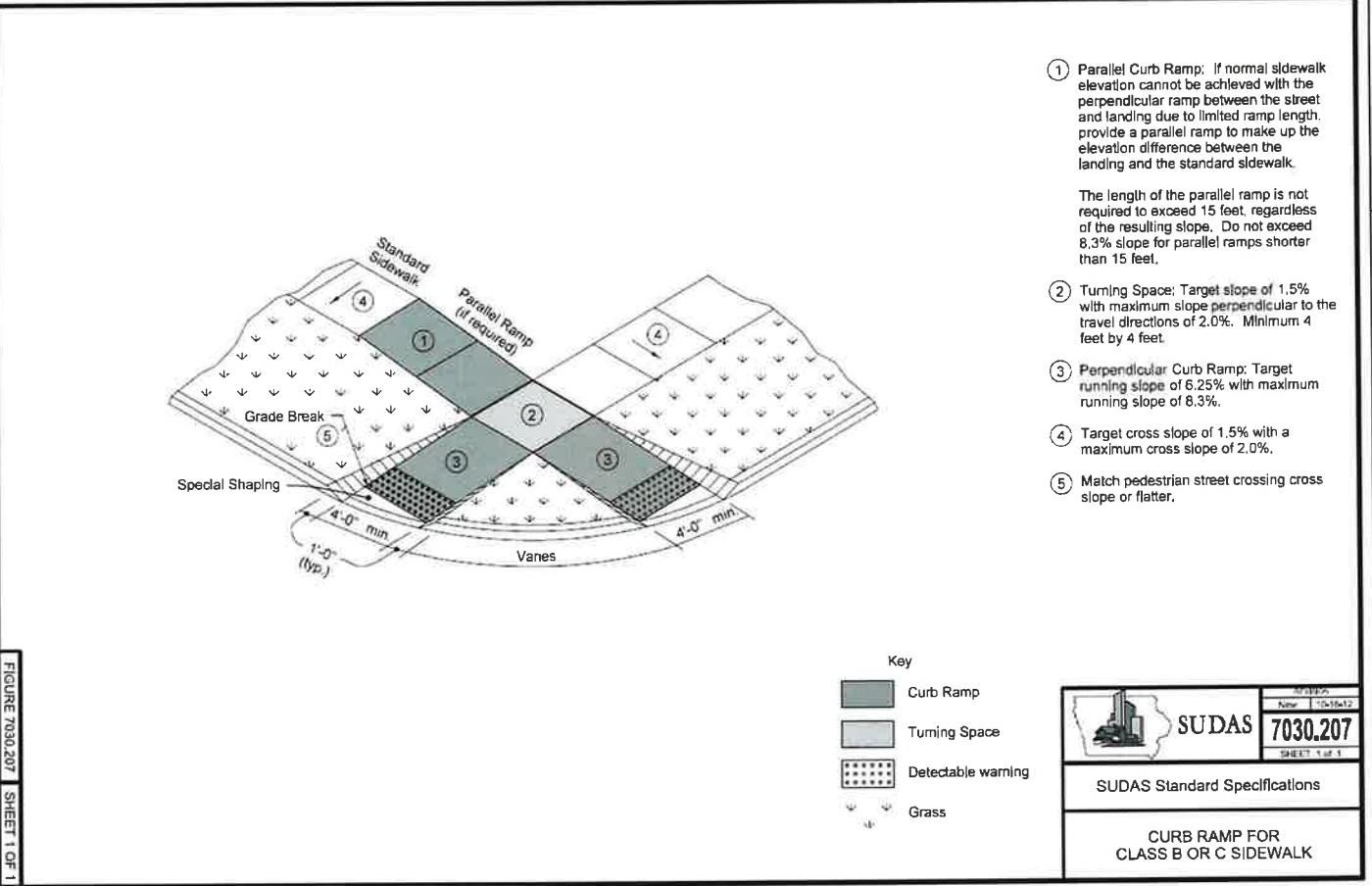
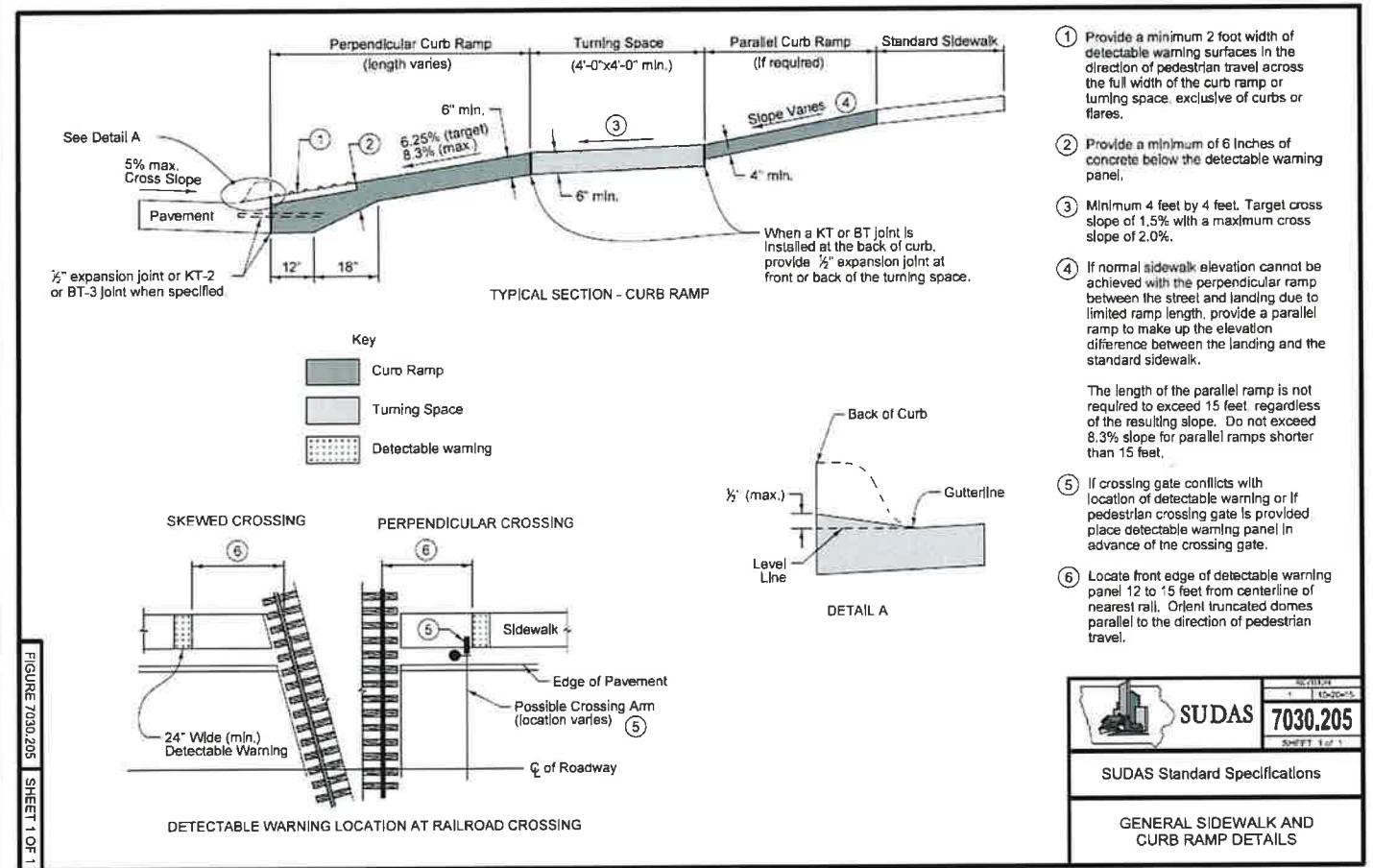
Date:
1-1-2026
Sheet B.1

2026 PCC PATCH PROJECT		Designed _____
City of Fort Dodge Engineering Department 819 1ST AVE S FORT DODGE, IA		Drawn _____
		Checked Austin Morrow, PE
		Date _____
Detail Sheet		Approved _____ Title _____

GENERAL NOTES	
Date: 1-1-2026	
Sheet C.1	



2026 PCC PATCH PROJECT		Fort Dodge Engineering Department	
FIGURE 7030.205 SHEET 1 OF 1		Fort Dodge, IA	City of Fort Dodge Engineering Department
Designed	Date	AUSTIN MORROW, PE	
Drawn			
Checked			
Approved	Title		



GENERAL NOTES

① Parallel Curb Ramp: If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

② The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.

③ Turning Space: Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.

④ Perpendicular Curb Ramp: Target running slope of 6.25% with maximum running slope of 8.3%.

⑤ Target cross slope of 1.5% with a maximum cross slope of 2.0%.

⑥ Match pedestrian street crossing cross slope or flatter.

Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.

① When detectable warning is located on curb ramp surface, orient domes in the direction of pedestrian travel.

② When the distance between the grade break and the back of curb is less than 5 feet, place detectable warning surface at the bottom of the curb ramp.

Where one corner of the curb ramp is more than 5 feet from the back of curb, construct curb ramp as a parallel curb ramp. Move grade break back as required to place detectable warning on turning space at the back of curb.

Date: 1-1-2026

Sheet C.2

COLORED PAVEMENT DETAILS

SEE LINE ITEMS 3 AND 7 FOR COLOR SELECTIONS

2.1 MATERIALS

- A. INTEGRAL COLOR CONCRETE: ADMIXTURES TO BE FACTORY PROPORTIONED, MIXED, AND PACKAGED, READY-TO-USE INTEGRAL COLOR CONCRETE.
- B. CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE OF SAME MANUFACTURER AS COLORED ADMIXTURE, FOR USE WITH INTEGRALLY COLORED CONCRETE, OR APPROVED EQUAL.
- C. SUBSTITUTIONS: THE USE OF PRODUCTS OTHER THAN THOSE SPECIFIED WILL BE CONSIDERED PROVIDING THAT CONTRACTOR REQUESTS ITS USE IN WRITING WITHIN 10-DAYS PRIOR TO BID DATE. THIS REQUEST SHALL BE ACCOMPANIED BY THE FOLLOWING:
 - 1. A CERTIFICATE OF COMPLIANCE FROM MATERIAL MANUFACTURER STATING THAT PROPOSED PRODUCTS MEET OR EXCEED REQUIREMENTS OF THIS SECTION.
 - 2. DOCUMENTED PROOF THAT PROPOSED MATERIALS HAVE A 10-YEAR PROVEN RECORD OF PERFORMANCE CONFIRMED BY AT LEAST 5 LOCAL PROJECTS THAT ENGINEER CAN EXAMINE.

2.2 COLORS AND PATTERNS

- A. COLORS: SEE PLAN.
- B. FINISH: LIGHT BROOM FINISH.

2.3 CONCRETE MIX DESIGN

- A. USE CLASS A OR C CONCRETE WITH MATERIALS, COMPLYING WITH SUDAS SECTION 2010. USE COARSE AGGREGATE OF CLASS 2 DURABILITY OR BETTER.
- B. INTEGRAL COLOR ADMIXTURES FOR CONCRETE CAN BE INTRODUCED AT ANY POINT IN THE CONCRETE MIXING PROCESS AS LONG AS THE OTHER CONDITIONS OF THE PLANS AND SPECIFICATIONS ARE MET. ENOUGH MIXING AND TIME MUST BE GIVEN FOR THE COLOR TO REACH AN UNCHANGING UNIFORM APPEARANCE.
- C. COLOR SELECTION WILL DETERMINE THE RATIO OF BASE COLORS NEEDED, AND COLOR SATURATION, AND INTENSITY WILL DETERMINE THE AMOUNT OF LIQUID OR GRANULES REQUIRED. MIX IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS, RECOMMENDATIONS AND SPECIFICATIONS FOR COLORS SPECIFIED.
- D. NO HIGH SALT AGGREGATES THAT CAN CAUSE EFFLORESCENCE AND MAKE COLOR IRREGULAR.
- E. DO NOT ADD CALCIUM CHLORIDE TO MIX AS IT CAUSES MOTTLING AND SURFACE DISCOLORATION.

- F. SUPPLEMENTAL ADMIXTURES SHALL NOT BE USED UNLESS APPROVED BY MANUFACTURER.
- G. DO NOT ADD WATER TO THE MIX DESIGN ONCE ESTABLISHED OR IN THE FIELD. DO NOT ADD WATER TO LOOSEN PARTIALLY CURED LOADS.

COLORED CONCRETE
 COLOR CONCRETE ADMIXTURE
 SIKACOLOR 120G COLOR CHART:
 TYPE 1- C125 SOMBRERO BUFF
 TYPE 2- C37 SUNBAKED CLAY
 TYPE 3- C3250 CHICORY SPICE

EQUAL SUBSTITUTION COLOR CONCRETE ADMIXTURE
 FEDERAL STANDARD COLOR CHART:
 TYPE 1- FEDERAL COLOR 20450
 TYPE 2- FEDERAL COLOR 12160
 TYPE 3- FEDERAL COLOR 20206

COLOR SYSTEM AS PER THE FOLLOWING MANUFACTURERS:

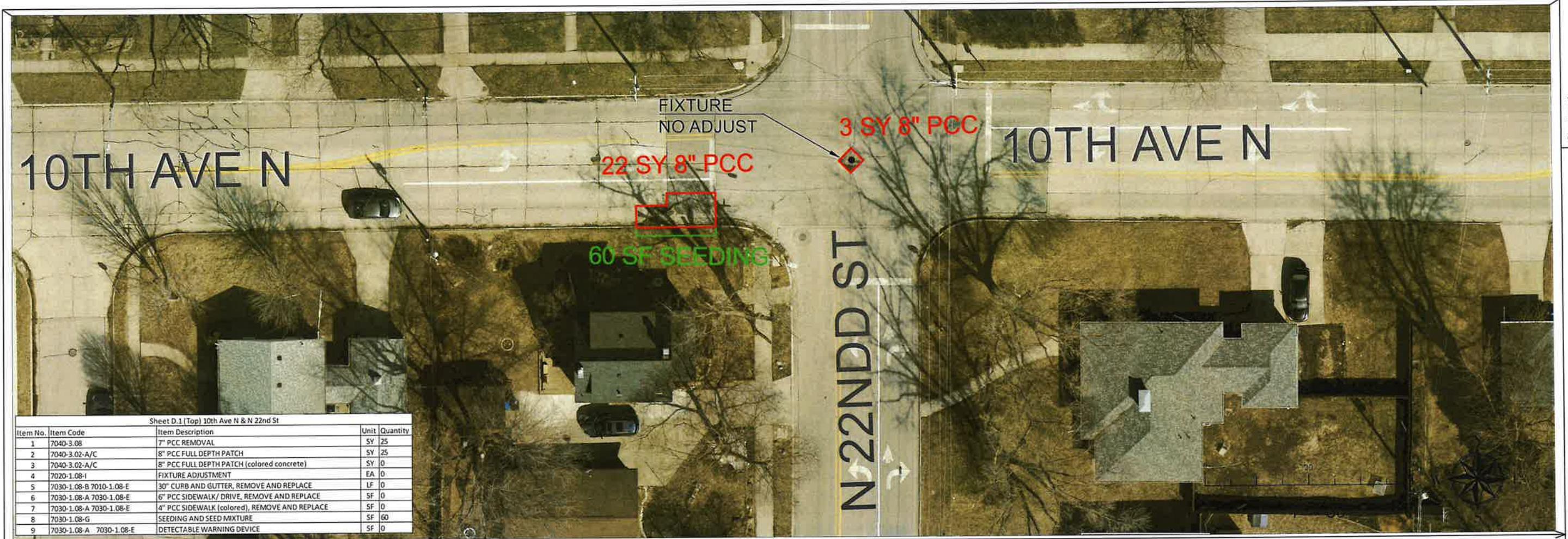
ACCEPTABLE VENDORS:
 SIKA CORPORATION.
 201 POLITICO AVE. LYNDHURST, NEW JERSEY 07071
 PHONE: (201) 933-8800
 FAX: (201) 804-1076
 WWW.USA.SIKA.COM

SOLOMON COLORS
 4050 COLOR PLANT RD. SPRINGFIELD, IL 62702
 PHONE: (800) 624-0261
 WWW.SOLOMONCOLORS.COM

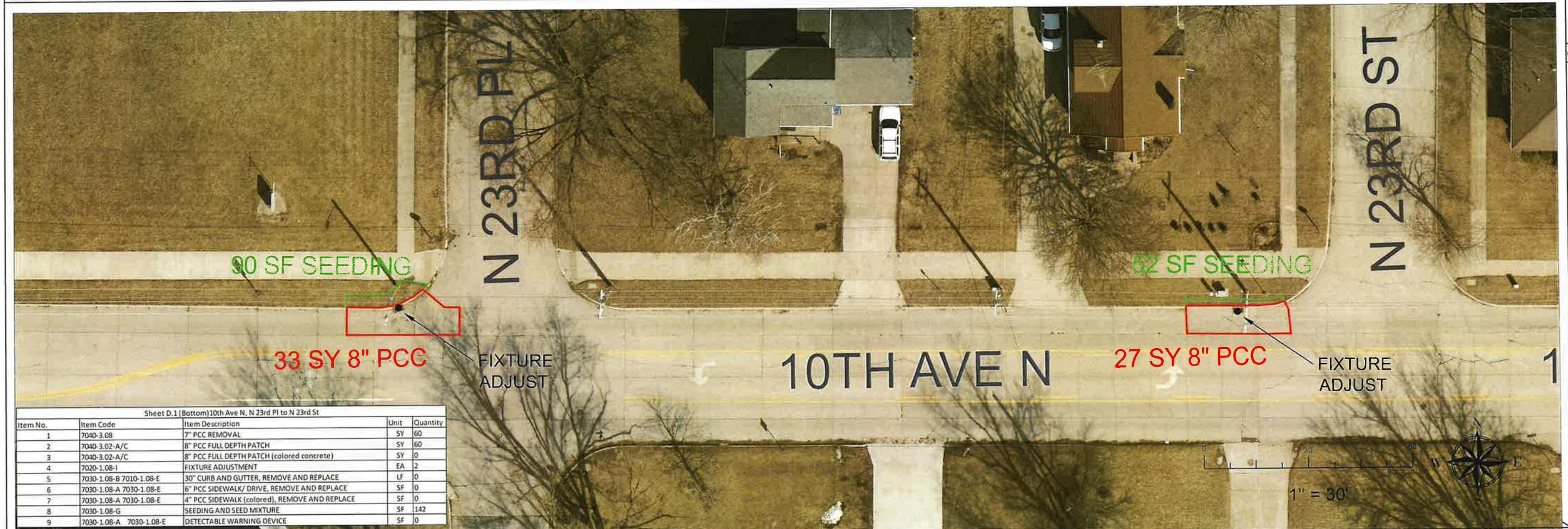
DAVIS COLORS
 3700 EAST OLYMPIC BLVD. LOS ANGELES, CA 90023
 PHONE: (323) 265-8323
 EMAIL: INFO@DAVISCOLORS.COM

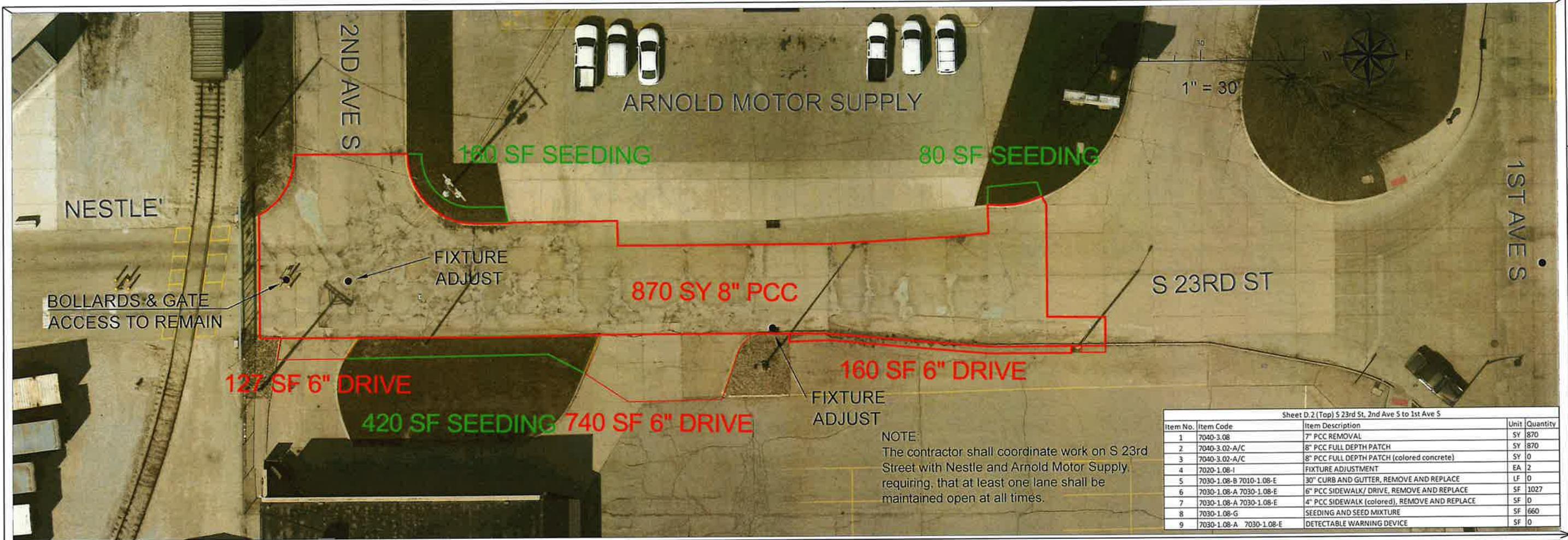
INSTALL IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, SPECIFICATIONS, AND REQUIREMENTS OR APPROVED EQUAL.

2026 PCC PATCH PROJECT		Designed _____
Drawn _____		Checked AUSTIN MORROW, PE _____
Fort Dodge Engineering Department FORT DODGE, IA		Date _____
Approved _____	Detail Sheet _____	Title _____
GENERAL NOTES		819 1ST AVE S
Date: 1-1-2026		Sheet C.3

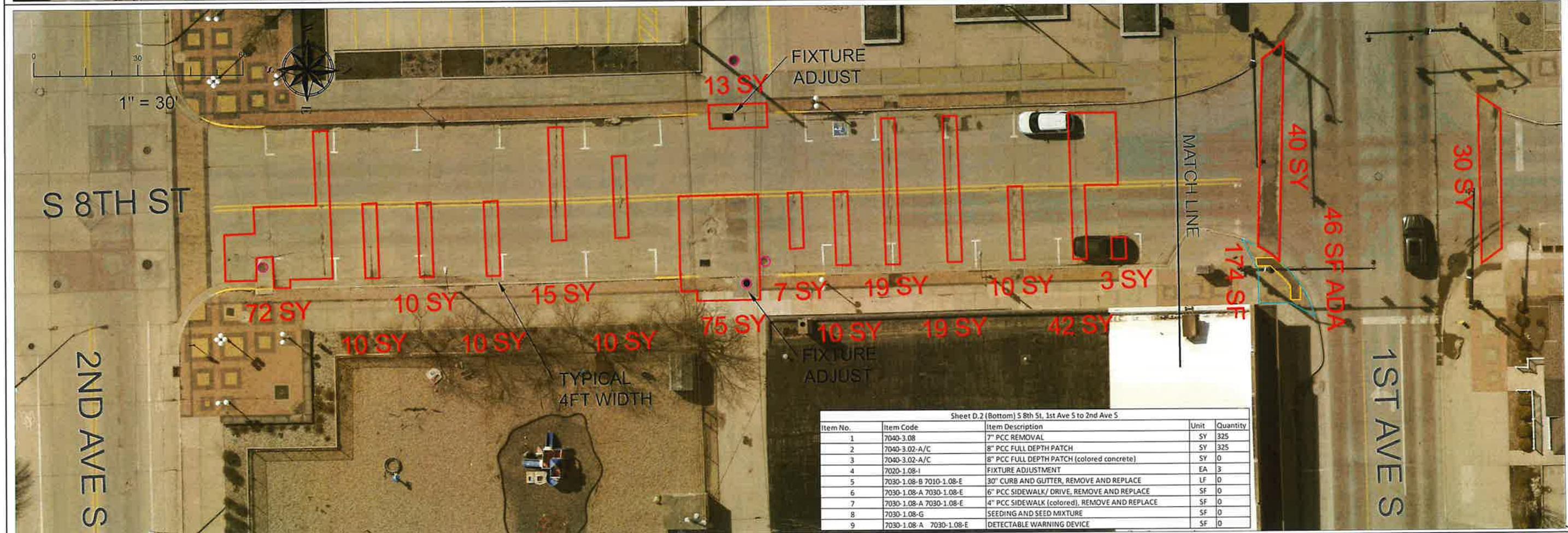


2026 PCC PATCH PROJECT	Approved _____
City of Fort Dodge Engineering Department	Date _____
819 1ST AVE S	Checked Austin Morrow, PE
FORT DODGE, IA	
Paving Plan Sheet	





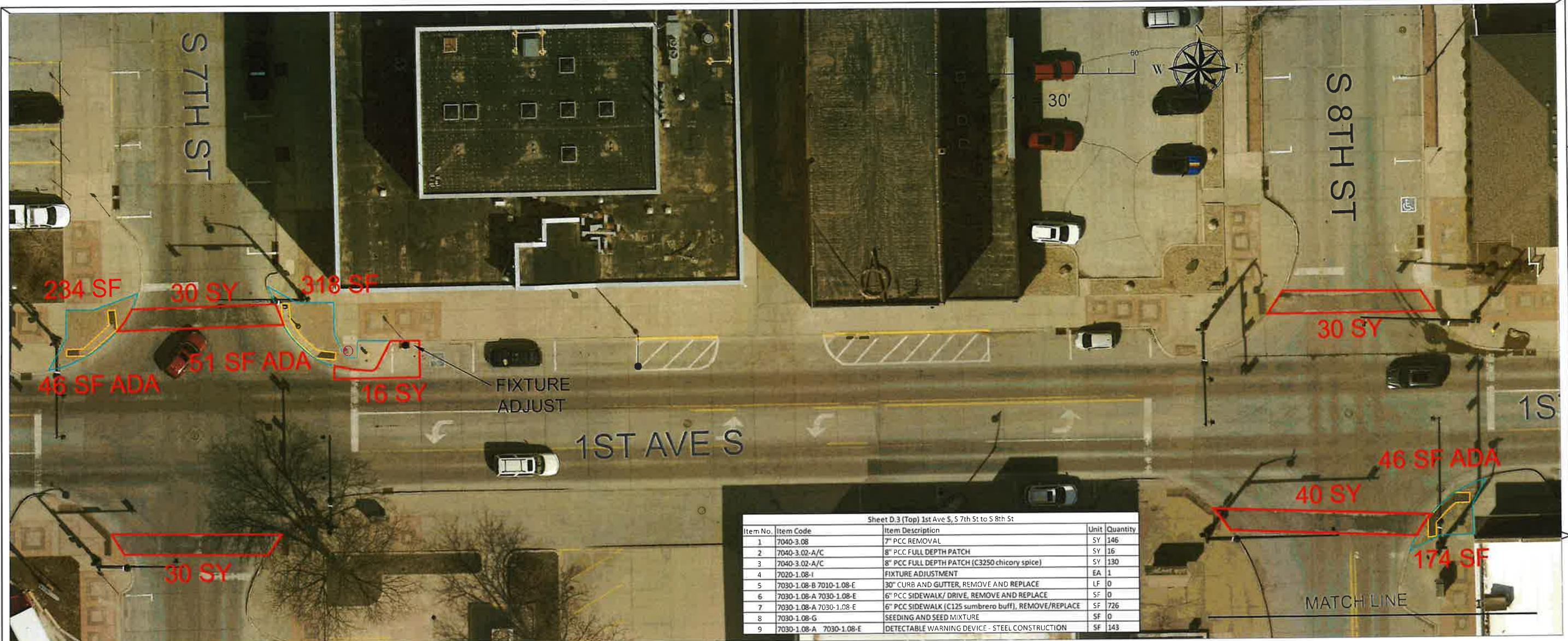
2026 PCC PATCH PROJECT	Designed _____
City of Fort Dodge Engineering Department	Drawn _____
819 1ST AVE S	Checked Austin Morrow, PE
Paving Plan Sheet	
Approved _____	Date _____
Title _____	



GENERAL NOTES

Date: 1-1-2026

Sheet D.2



Sheet D.3 (Top) 1st Ave S, S 7th St to S 8th St				
Item No.	Item Code	Item Description	Unit	Quantity
1	7040-3.08	7" PCC REMOVAL	SY	146
2	7040-3.02-A/C	8" PCC FULL DEPTH PATCH	SY	16
3	7040-3.02-A/C	8" PCC FULL DEPTH PATCH (C3250 chichory spice)	SY	130
4	7020-1.08-I	Fixture Adjustment	EA	1
5	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
6	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK/ DRIVE, REMOVE AND REPLACE	SF	0
7	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK (C125 sumbrero buff), REMOVE/REPLACE	SF	726
8	7030-1.08-G	SEEDING AND SEED MIXTURE	SF	0
9	7030-1.08-A 7030-1.08-E	DETECTABLE WARNING DEVICE - STEEL CONSTRUCTION	SF	143

2026 PCC PATCH PROJECT		Designed _____
819 1ST AVE S		Drawn _____
City of Fort Dodge Engineering Department		Checked Austin Morrow, PE
FORT DODGE, IA		Date _____
Paving Plan Sheet		Approved _____
		Title _____
GENERAL NOTES		
Date: 1-1-2026		
Sheet D.3		