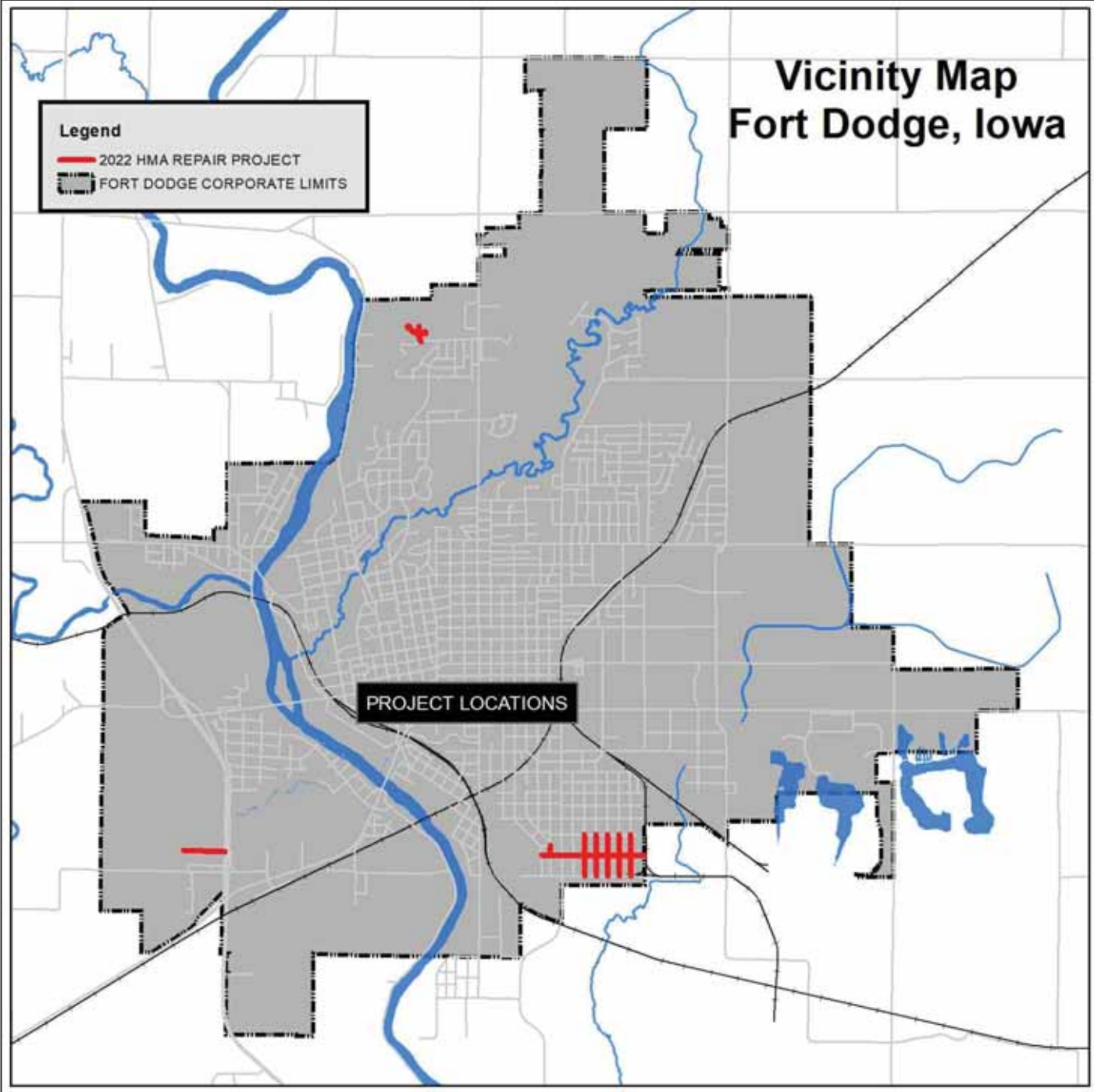


# 2022 ASPHALT STREET REPAIR PROJECT

## 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

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ESTIMATED PROJECT QUANTITIES  
GENERAL NOTES
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- E.1 - SIDEWALK PLAN SHEETS
- F.1 - CROSS-SECTION DETAILS

CITY OF FORT DODGE	
MAYOR:	MATT BEMRICH
COUNCIL:	KIM ALSTOTT NEVEN CONRAD DAVID FLATTERY QUENNEL MCCALED TERRY MOEHNKE CAMERON NELSON LYDIA SCHUUR
CLERK:	JEFF NEMMERS
CITY ENGINEER:	CHAD SCHAEFFER, P.E.

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: *Austin Morrow* DATE: 1/11/2022  
AUSTIN T. MORROW, PROFESSIONAL ENGINEER

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2023

PAGES OR SHEETS COVERED BY THIS SEAL: \_\_\_\_\_  
All Pages (1-18)

Designed David Odor, PLS	Drawn David Odor, PLS	Checked Austin Morrow, PE
2022 ASPHALT Street Repair Project City of Fort Dodge Engineering Department FORT DODGE, IA 819 1ST AVE S		
Approved _____	Title _____	Date _____

GENERAL NOTES

Notes:

- 1) Any integral curb built into sidewalk for grade issues, shall be considered incidental to the sidewalk.
- 2) UE - use existing
- 3) ADJ -minor fixture adjustment, includes large manhole circular PCC boxout.
- 4) NEW - new supplied casting, by City Public Works
- 5) WV - water valve
- 6) VB - Valve Box, either installed or to be installed by City Public Works
- 7) 24" PCC Boxout - a 24" circular boxout for valve boxes only
- 8) Discuss with engineer or representative all traffic control. And with the entire project be mindful of city celebrations and activities that may affect the project, including school dates.
- 9) Milling of streets, shall be conducted to reduce the amount of traffic flow and rain infiltration to the base. Place the pavement layers as soon as possible to prevent base deterioration.

ITEM NO	ITEM CODE	ITEM	ESTIMATE REFERENCE INFORMATION DESCRIPTION	QUANTITY	UNIT
1	7020-1.08-A	3" & 5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28.5	ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, ASPHALT BINDER, JACK COATS BETWEEN EXISTING AND NEW PAVEMENT, CONSTRUCTION ZONE PROTECTION, AND QUALITY CONTROL ASPHALT SHALL HAVE A MINIMUM DEPTH OF THREE OR FIVE INCHES AT THE FACE OF THE CURB AND IN THE CENTER OF THE STREET, DEPENDING ON THE STREET CROSS SECTION DETAILS. DEPTHS BETWEEN THE CENTER AND THE FACE OF THE CURB SHALL HAVE A MAXIMUM OF THREE OR FIVE INCHES, DEPENDING ON CROSS SECTION DETAILS. MIX DESIGN SHALL COMPLY WITH 7020-2.01 OF SDAS GUIDES.	7893	LN
2	7040-1.00-G	3.0" - 5.0" MILLING	REFER TO PLANS FOR LOCATIONS AND DEPTH OF REMOVALS. IN ALL AREAS MARKED WITH A MAGENTA LINE, 4.5" FULL MILL IN THE MAJORITY OF THE AREAS. PLEASE REFER TO PAGES F.1 FOR CROSS SECTION DETAILS AND MILLING GUIDELINES. ITEM INCLUDES REMOVAL AND DISPOSAL OF PAVEMENT AND OTHER MATERIALS TO DEPTH SPECIFIED.	26000	SY
3	7040-1.00-G	2.0" - 3.0" PCC JOINT MILLING	REFER TO PLANS FOR LOCATIONS AND DEPTH OF REMOVALS. IN ALL AREAS MARKED WITH A MAGENTA LINE, 2.5" DEPTH, 2 FEET WIDE MILL IN THE MAJORITY OF THE AREAS OF THE BOXOUT. IN ADDITION, PLEASE REFER TO PAGES F.1 FOR CROSS SECTION DETAILS AND MILLING GUIDELINES. ITEM INCLUDES REMOVAL AND DISPOSAL OF PAVEMENT AND OTHER MATERIALS TO DEPTH SPECIFIED.	904	SY
4	7020-1.08-I	FIXTURE ADJUSTMENT	ITEM INCLUDES ADJUSTING EXISTING MANHOLE CASTINGS TO GRADE AND MANHOLE BOXOUTS AS DETICED IN SDAS FIGURE 7020-201 PV-201. IF REPLACEMENT IS DULMID NCESSARY, NEW CASTINGS SHALL BE SUPPLIED BY THE CITY. REFER TO PLANS FOR LOCATIONS OF ADJUSTMENTS. ADDITIONAL ADJUSTMENTS MAY BE AUTHORIZED BY THE ENGINEER.	32	EA
5	7020-1.08-J	WATER VALVE 24" BOXOUT	ITEM INCLUDES ADJUSTING EXISTING WATER VALVE BOXES TO GRADE AND 24" PCC ROUND BOXOUTS AS DETICED IN SDAS FIGURE 7020-201 PV-201. IF REPLACEMENT IS DEEMED NECESSARY, NEW VALVE BOXES SHALL BE SUPPLIED BY THE CITY. REFER TO PLANS FOR LOCATIONS OF ADJUSTMENTS. ADDITIONAL ADJUSTMENTS MAY BE AUTHORIZED BY THE ENGINEER.	13	EA
6	7030-1.08-D 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	CONCRETE SHALL BE CLASS C MIX. HAND FINISHING METHODS WILL BE ALLOWED FOR ALL SECTIONS. CONSTRUCTION JOINTS SHALL BE PLACED EVERY 15 FEET. ANY TRAVELWAYS DISTURBED BY THE PLACEMENT OF CURB AND GUTTER WILL BE INCIDENTAL AND REQUIRE REPLACEMENT TO EXISTING DEPTH. ITEM SHALL INCLUDE ANY NEEDED BASE MATERIAL FOR THE INSTALLATION OF THE CURB AND GUTTER. ALSO INCLUDE BACKFILL MATERIAL PRIOR TO SEEDING OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW CURB AND GUTTER.	1493	LF
7	7050-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE NECESSARY MATERIALS TO COMPLETE THE SIDEWALK. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE EXISTING SIDEWALK. 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 OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW SIDEWALK.	813	SF
8	7050-1.08-A 7030-1.08-L 7030-1.08-H	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE NECESSARY MATERIALS TO COMPLETE THE SIDEWALK. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE EXISTING SIDEWALK. 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 OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW SIDEWALK.	990	SF
9	7010-1.08-A 7010-1.00-L	7" PCC PAVEMENT REMOVE AND REPLACE	THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE NECESSARY MATERIALS TO COMPLETE THE PAVEMENT. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE EXISTING PAVEMENT, CURB AND GUTTER, AND TIE-BEING, EXCAVATION AND OVERHAUL TO ESTABLISH GRADE FOR PAVING AND SUBGRADE. CONCRETE SHALL BE CLASS C MIX. ITEM INCLUDES ALL PAVEMENT 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 OF ANY DISTURBED AREA AS A RESULT FROM THE PLACEMENT OF THE NEW PAVEMENT. GRANULAR BASE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT.	3185	SF
10	7030-1.08-G	DETECTABLE WARNING DEVICE	ITEM INCLUDES FURNISHING AND INSTALLING DETECTABLE WARNING DEVICES AT INTERSECTION RAMP. 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.	56	SF
11	9010-1.00-B 9010-2.02-A	SEEDING	SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEEDING. ITEM INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF ROCK AND OTHER DEBRIS; REPAIRING RILLS AND WASHES; PREPARING THE SEEDBED; FURNISHING AND PLACING FERTILIZER AND MULCH; AND FURNISHING WATER AND OTHER CARE DURING THE CARE PERIOD. FOR ALL DISTURBED AREAS, SDAS TYPE 1 (PERMANENT LAWN MIXTURE) AND SOWN DURING SDAS SPECIFIED DATES.	7580	SF
12	8030-1.08A	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
13		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

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

**2022 Asphalt Street Repair Project**  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

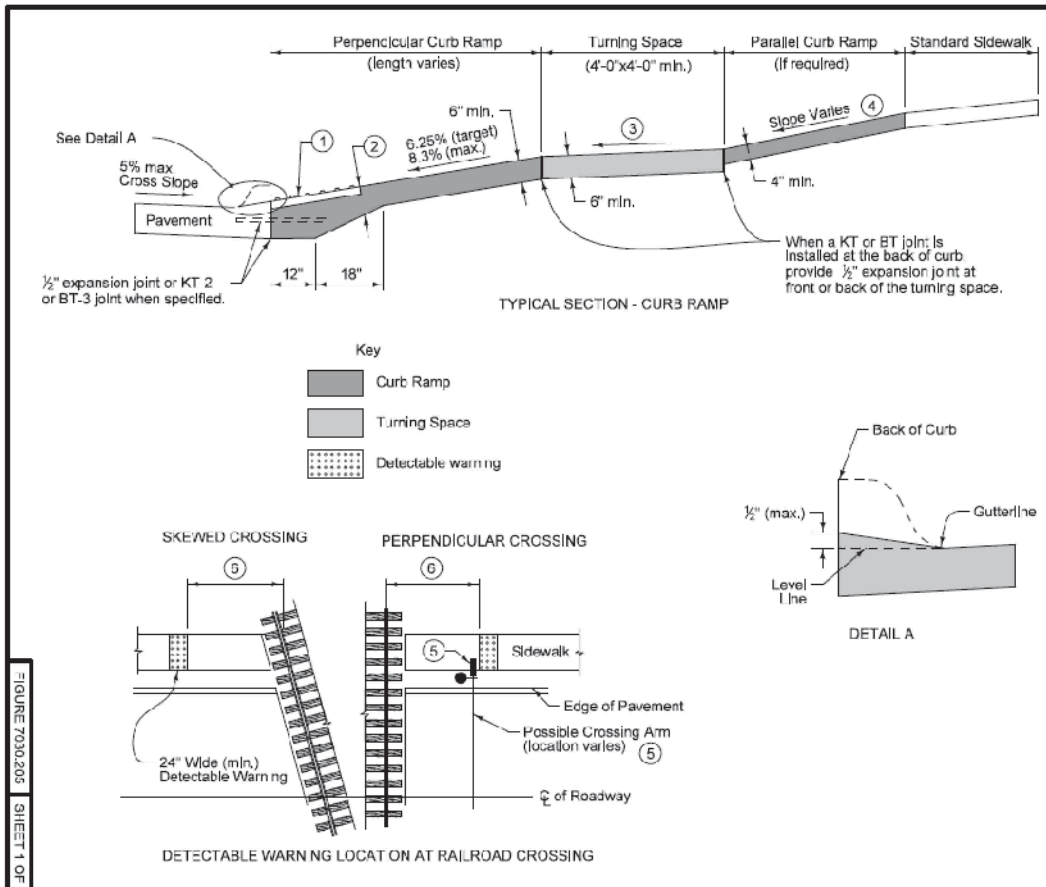
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**Estimated Quantities and Reference Information**

**GENERAL NOTES**

Date: 1/1/2022

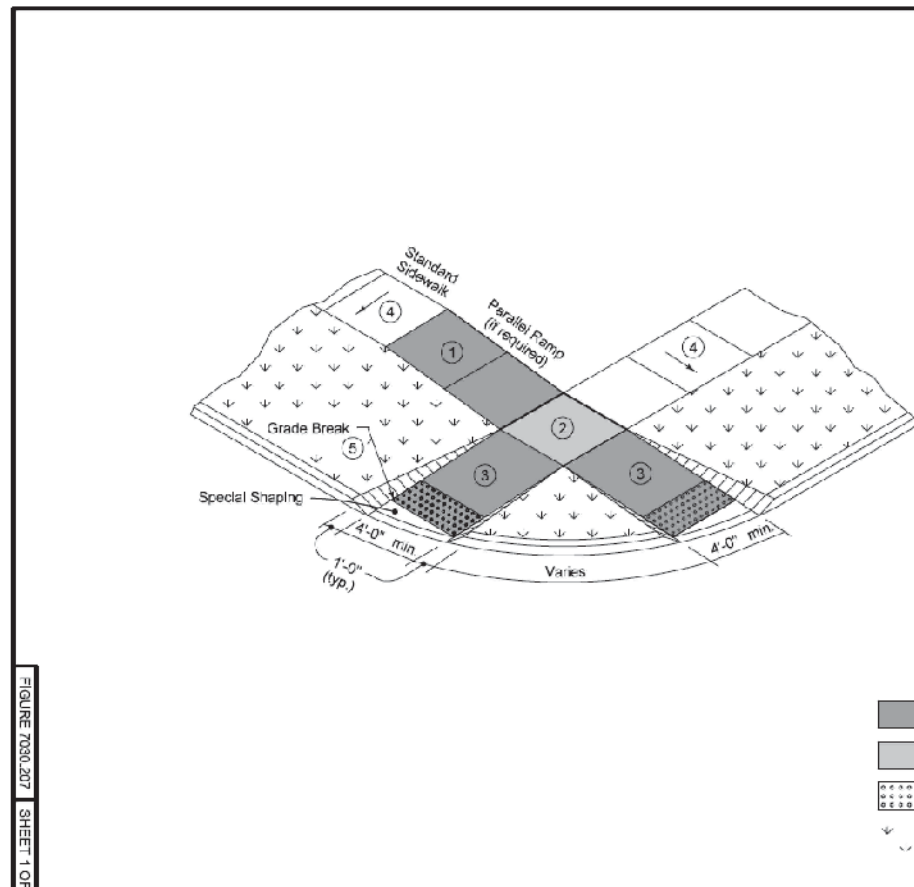
Sheet B.1



- 1 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.
- 2 Provide a minimum of 6 inches of concrete below the detectable warning panel.
- 3 Minimum 4 feet by 4 feet. Target cross slope of 1.5% with a maximum cross slope of 2.0%.
- 4 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.
- 5 If crossing gate conflicts with location of detectable warning or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.
- 6 Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.

	REVISION None 12-20-15 <b>7030.205</b> SHEET 1 OF 1
	SUDAS Standard Specifications GENERAL SIDEWALK AND CURB RAMP DETAILS

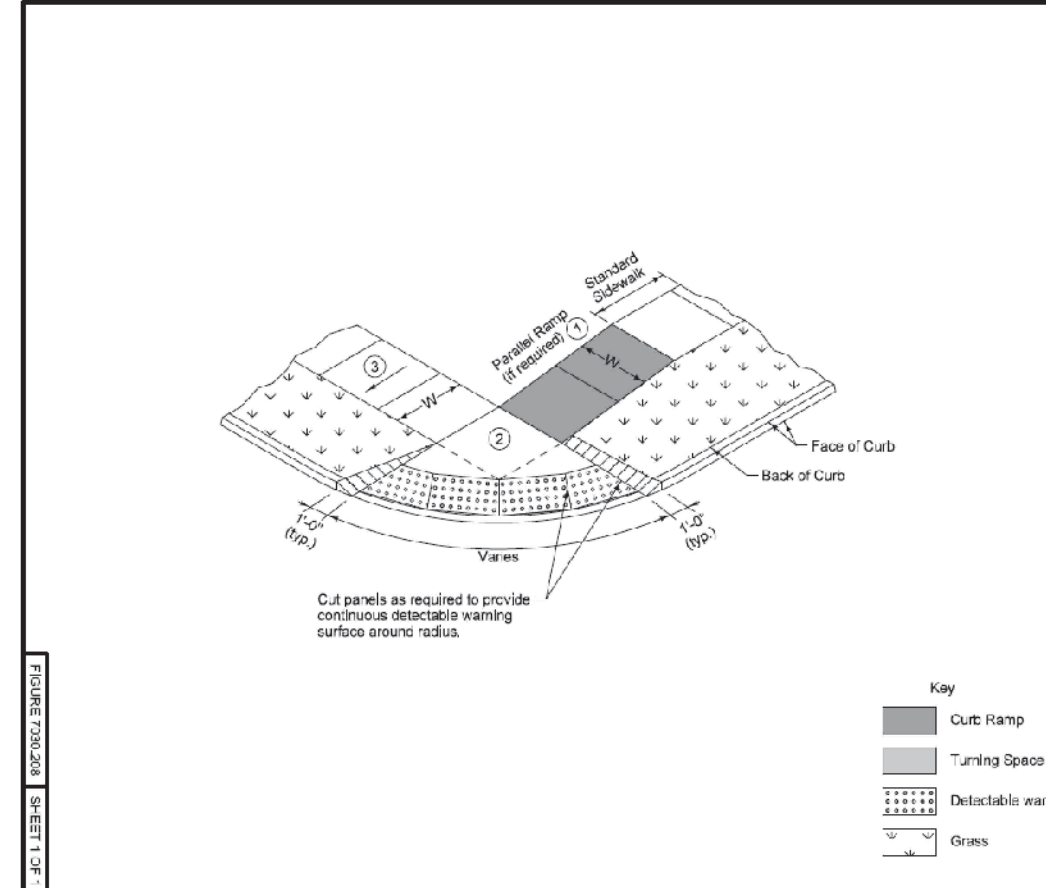
FIGURE 7030.205 SHEET 1 OF 1



- 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 Turning Space: Target slope of 1.5% with maximum slope perpendicular to the travel direction of 2.0%. Minimum 4 feet by 4 feet.
- 3 Perpendicular Curb Ramp: Target running slope of 6.25% with maximum running slope of 8.3%.
- 4 Target cross slope of 1.5% with a maximum cross slope of 2.0%.
- 5 Match pedestrian street crossing cross slope or flatter.

	REVISION None 10-16-17 <b>7030.207</b> SHEET 1 OF 1
	SUDAS Standard Specifications CURB RAMP FOR CLASS B OR C SIDEWALK

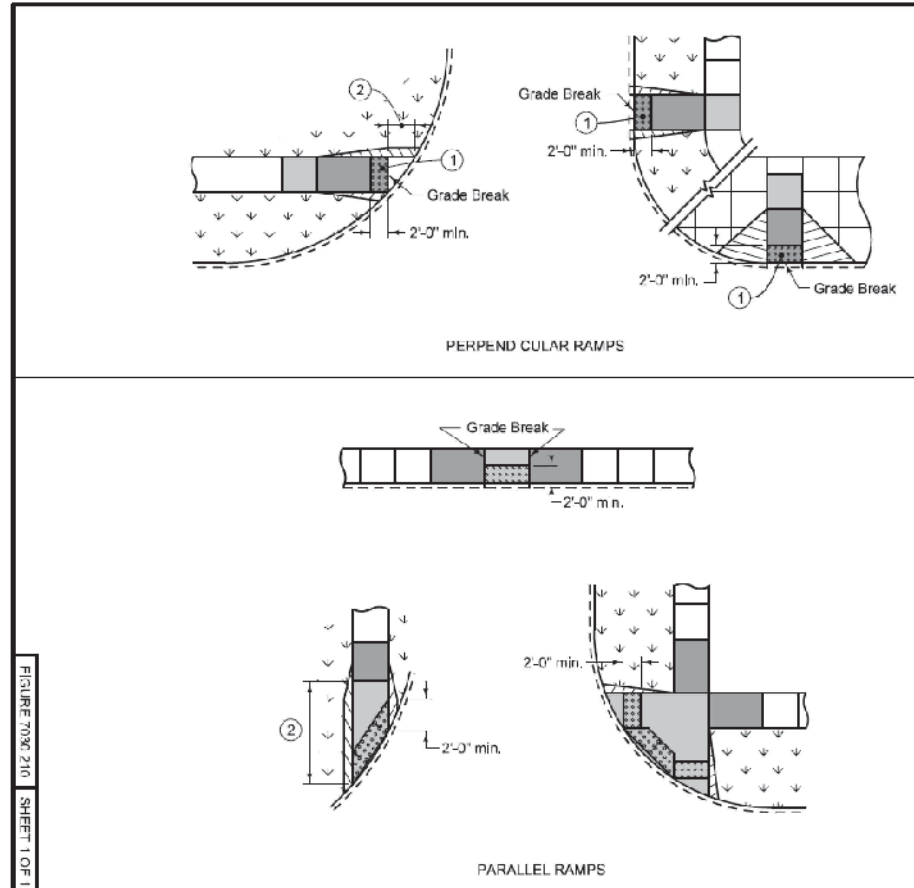
FIGURE 7030.207 SHEET 1 OF 1



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

	REVISION None 12-16-12 <b>7030.208</b> SHEET 1 OF 1
	SUDAS Standard Specifications ALTERNATIVE CURB RAMP FOR CLASS B OR C SIDEWALK

FIGURE 7030.208 SHEET 1 OF 1

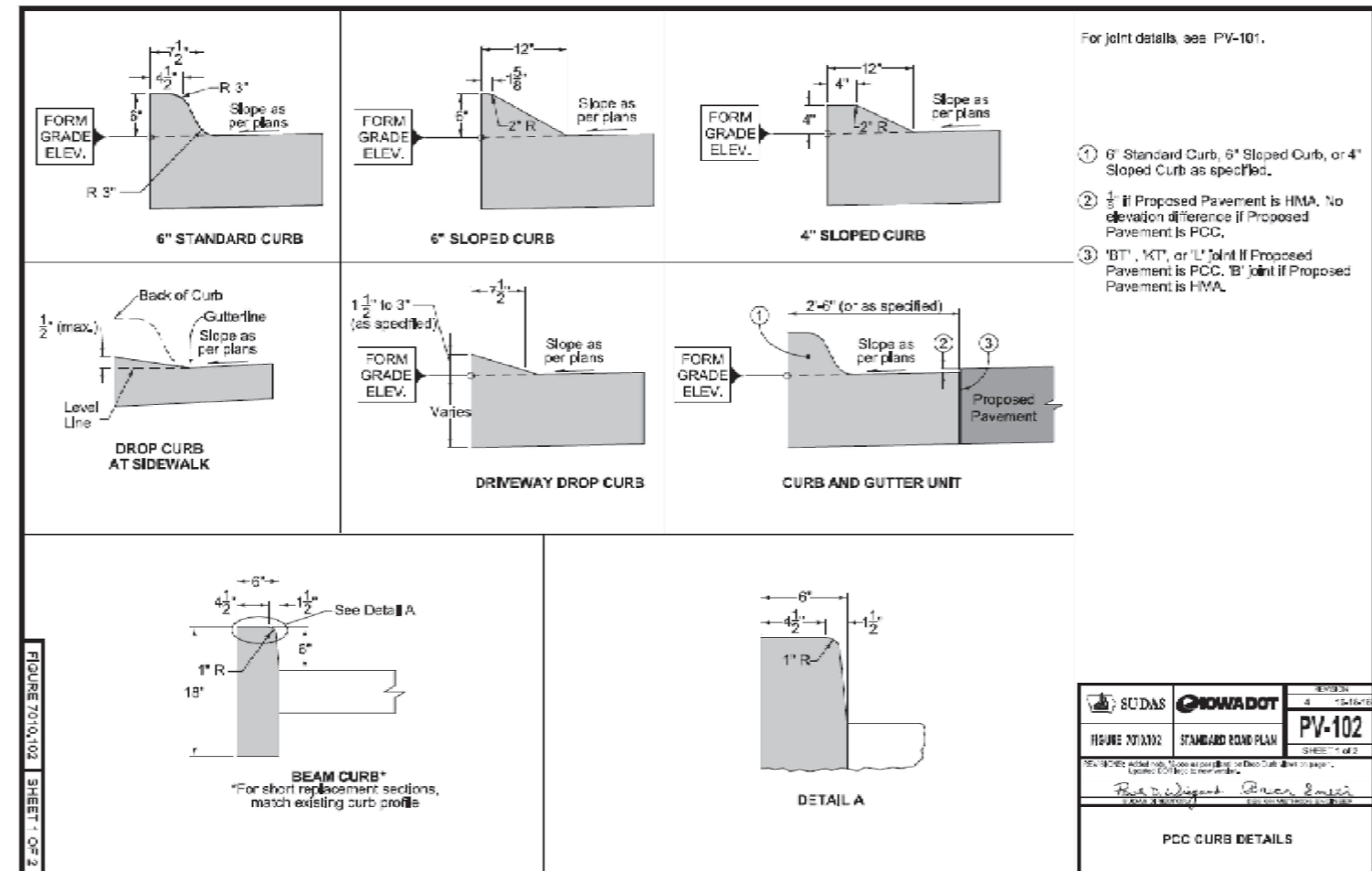
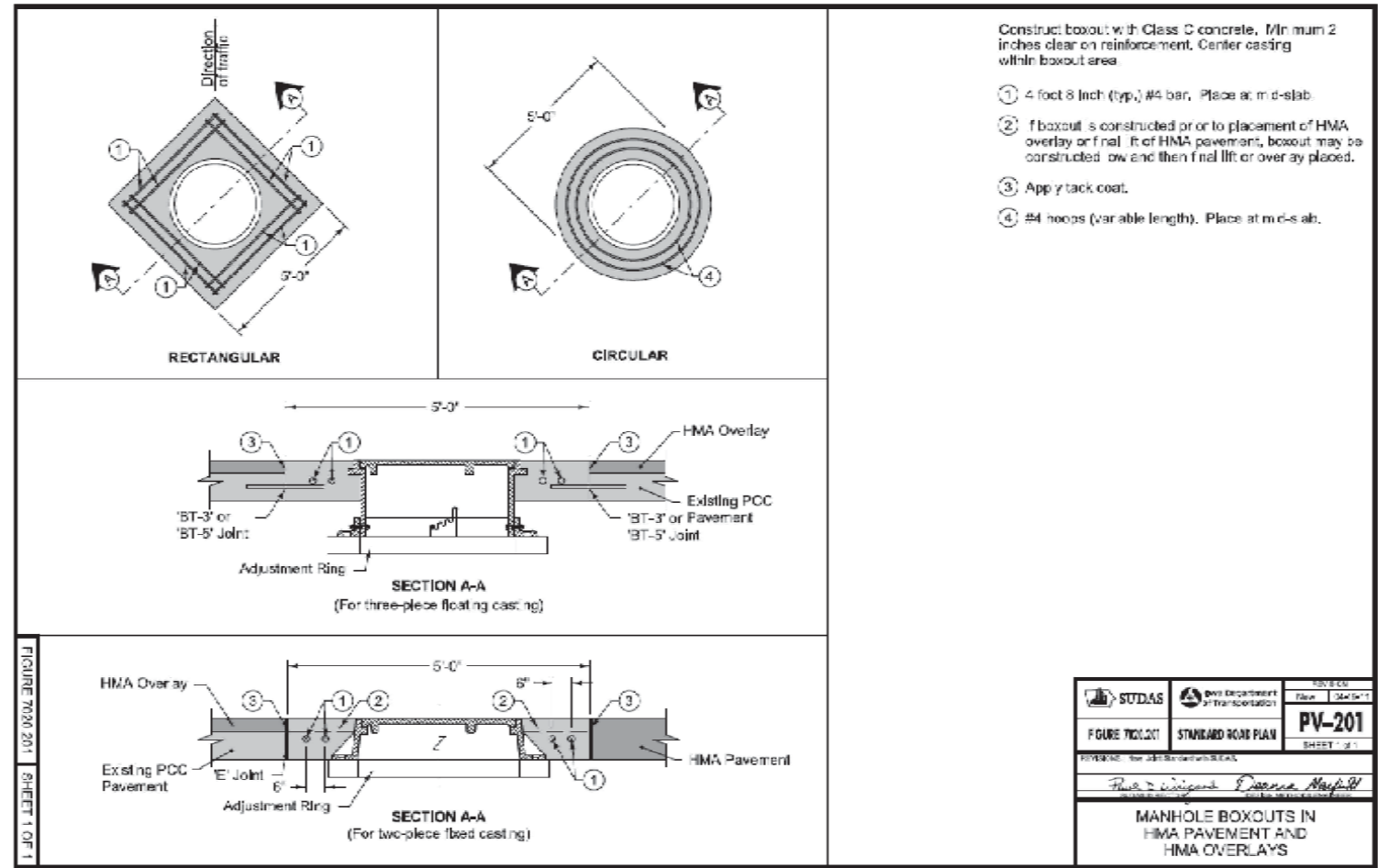


- Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.
- 1 When detectable warning is located on curb ramp surface, orient domes in the direction of pedestrian travel.
  - 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.

	REVISION None 10-16-12 <b>7030.210</b> SHEET 1 OF 1
	SUDAS Standard Specifications DETECTABLE WARNING PLACEMENT

FIGURE 7030.210 SHEET 1 OF 1

GENERAL NOTES



Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

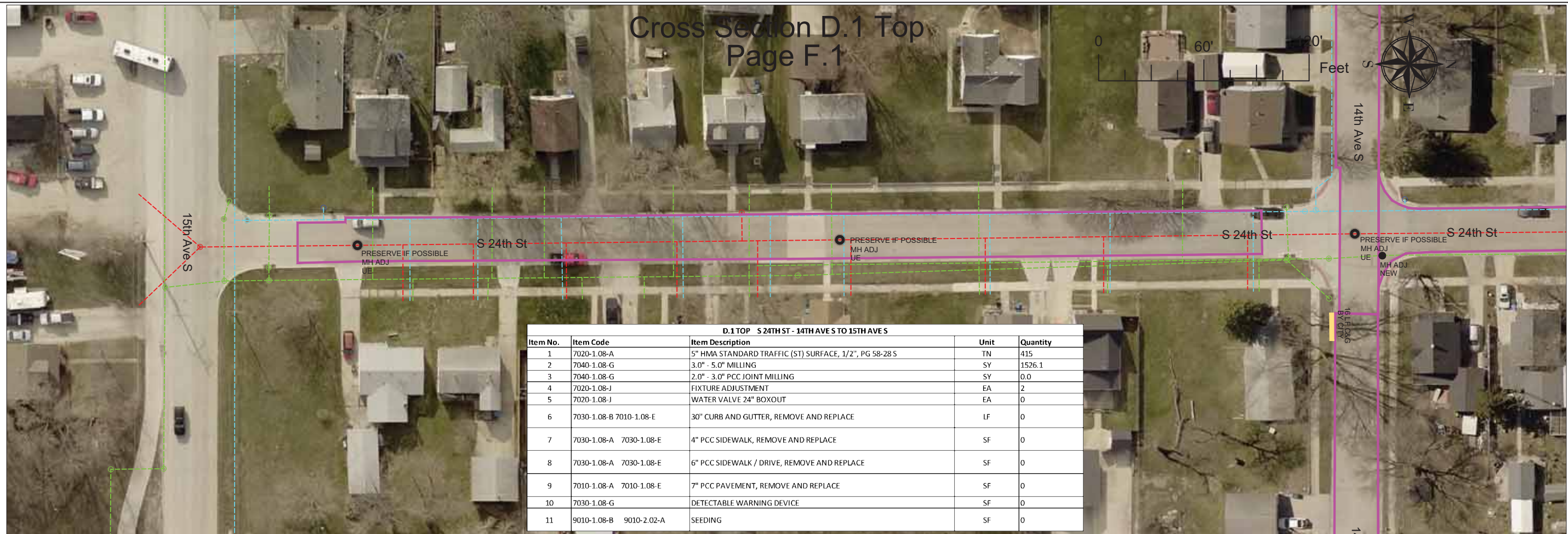
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 FORT DODGE, IA  
 819 1ST AVE S

Approved \_\_\_\_\_ Title \_\_\_\_\_  
 Date \_\_\_\_\_

GENERAL NOTES

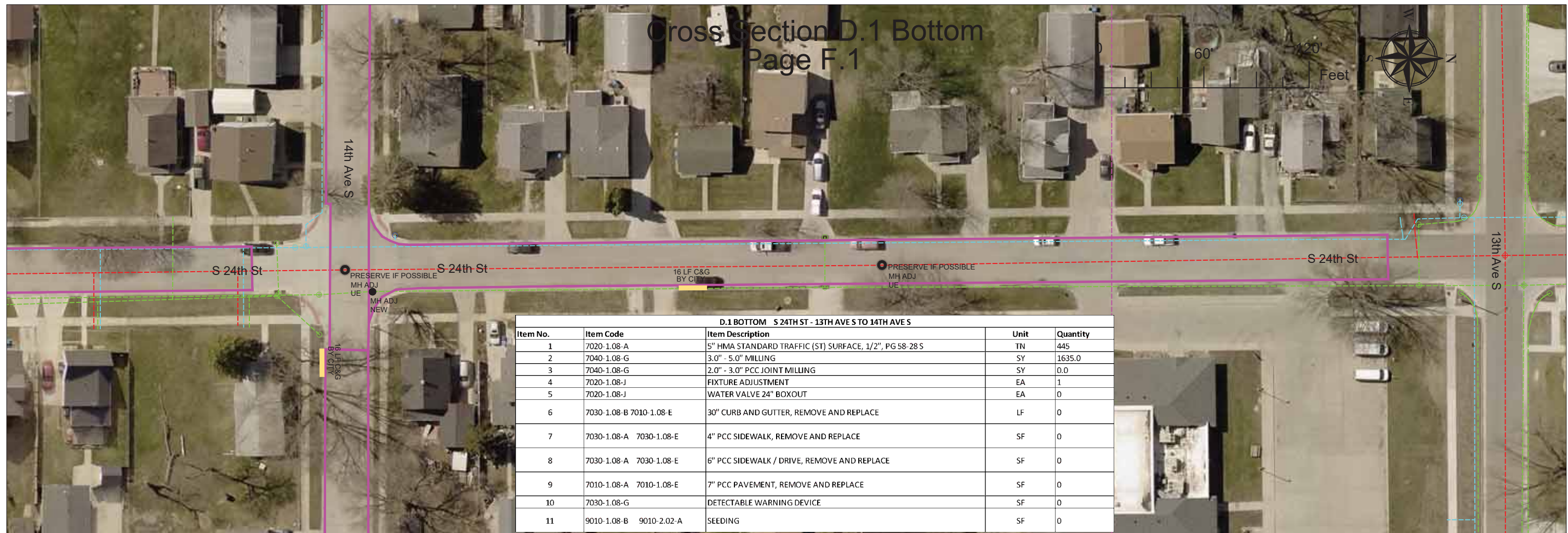
Date: 1/1/2022  
 Sheet C.2

### Cross Section D.1 Top Page F.1



D.1 TOP S 24TH ST - 14TH AVE S TO 15TH AVE S				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	415
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1526.1
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	2
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

### Cross Section D.1 Bottom Page F.1



D.1 BOTTOM S 24TH ST - 13TH AVE S TO 14TH AVE S				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	445
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1635.0
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

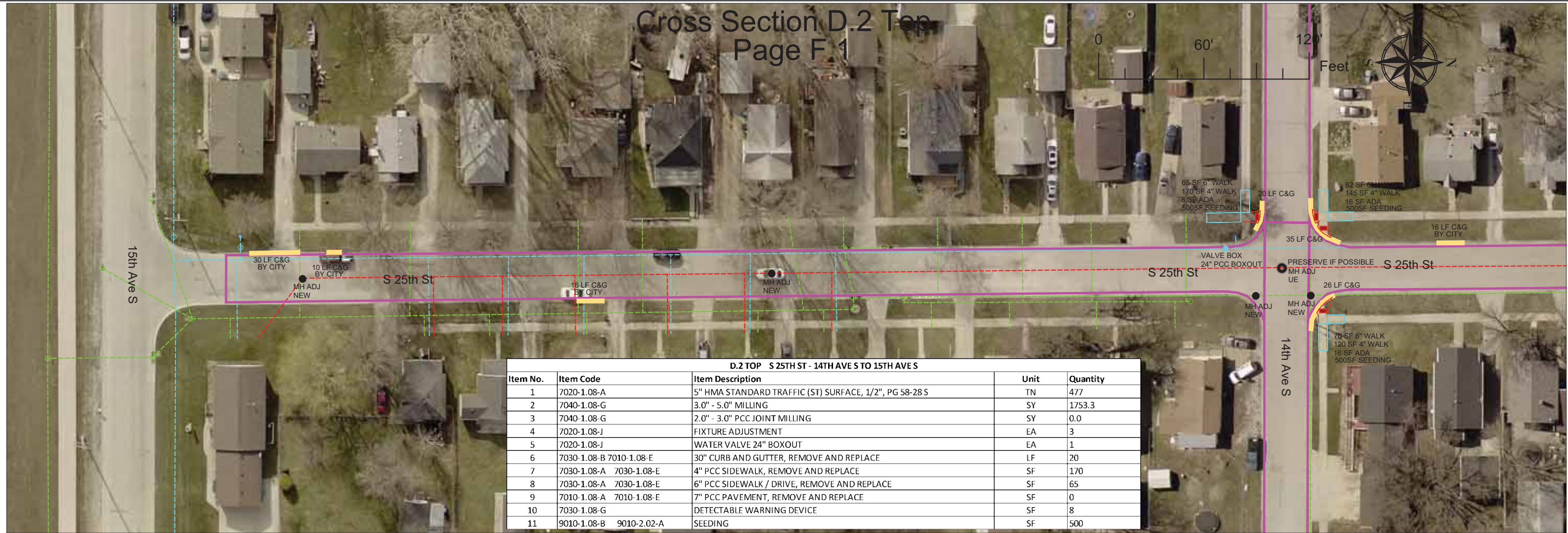
Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA

Approved \_\_\_\_\_ Title \_\_\_\_\_  
 Date \_\_\_\_\_

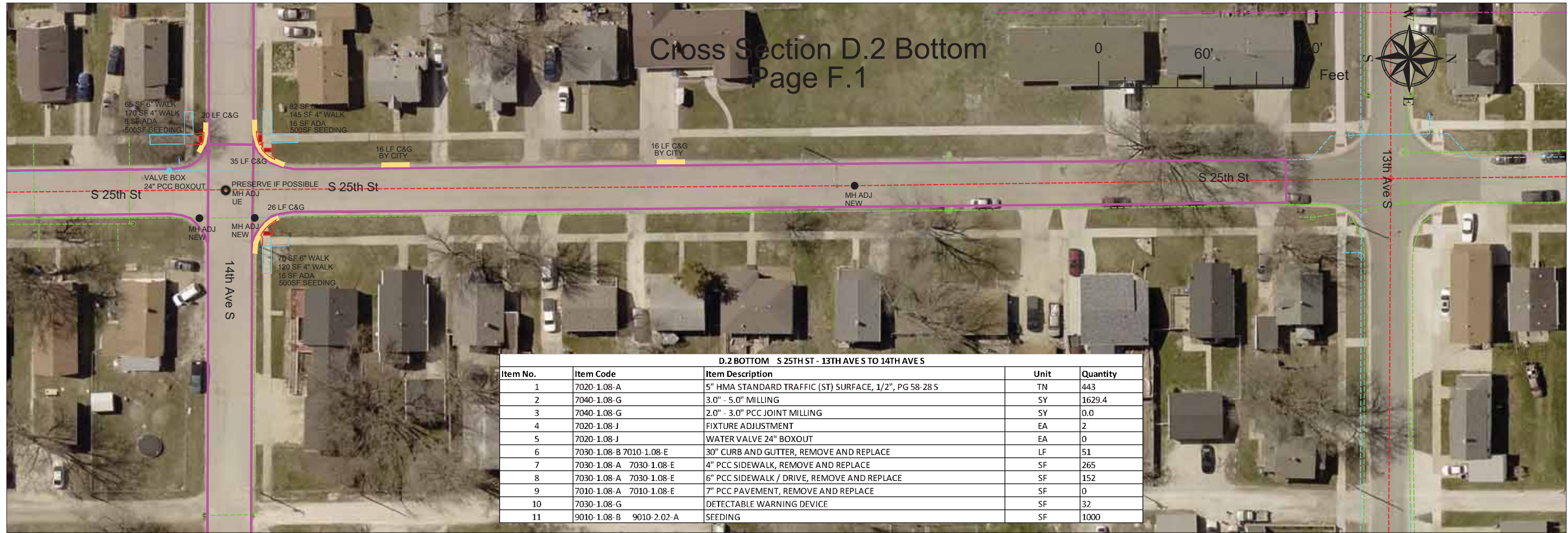
GENERAL NOTES

# Cross Section D.2 Top Page F.1



D.2 TOP S 25TH ST - 14TH AVE S TO 15TH AVE S				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	477
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1753.3
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	3
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	20
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	170
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	65
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	8
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	500

# Cross Section D.2 Bottom Page F.1



D.2 BOTTOM S 25TH ST - 13TH AVE S TO 14TH AVE S				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	443
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1629.4
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	2
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	51
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	265
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	152
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	32
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	1000

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

Paving Plan Sheet

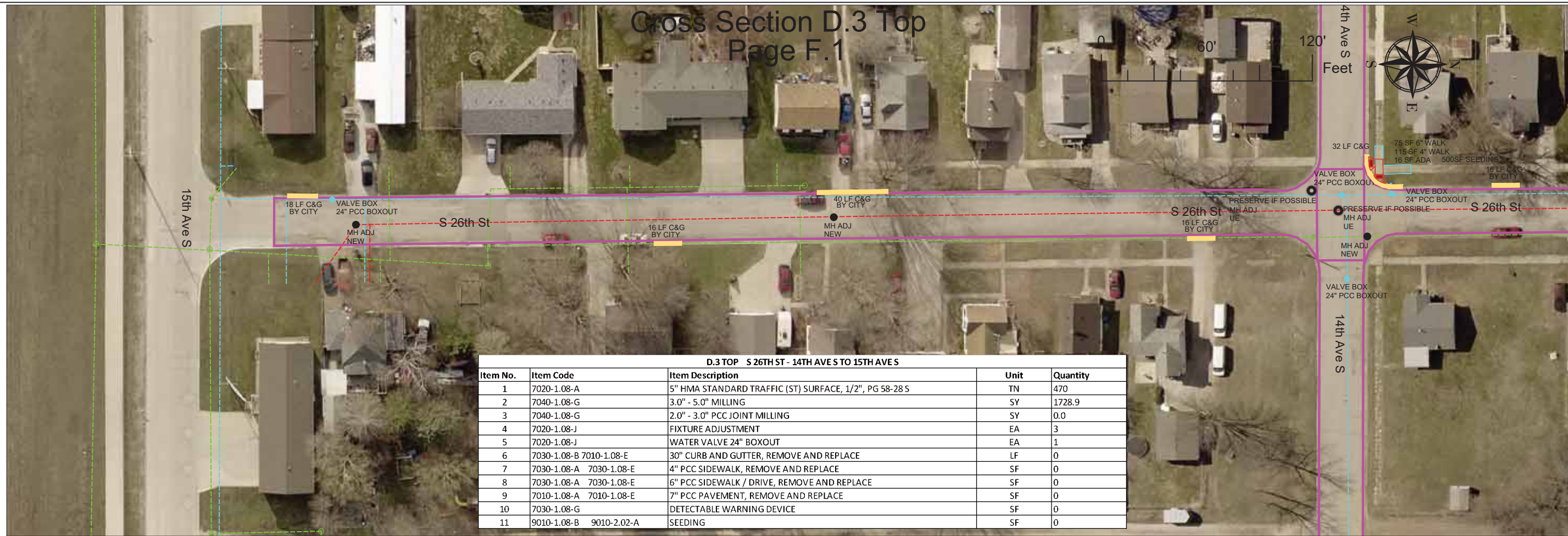
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Date \_\_\_\_\_

GENERAL NOTES

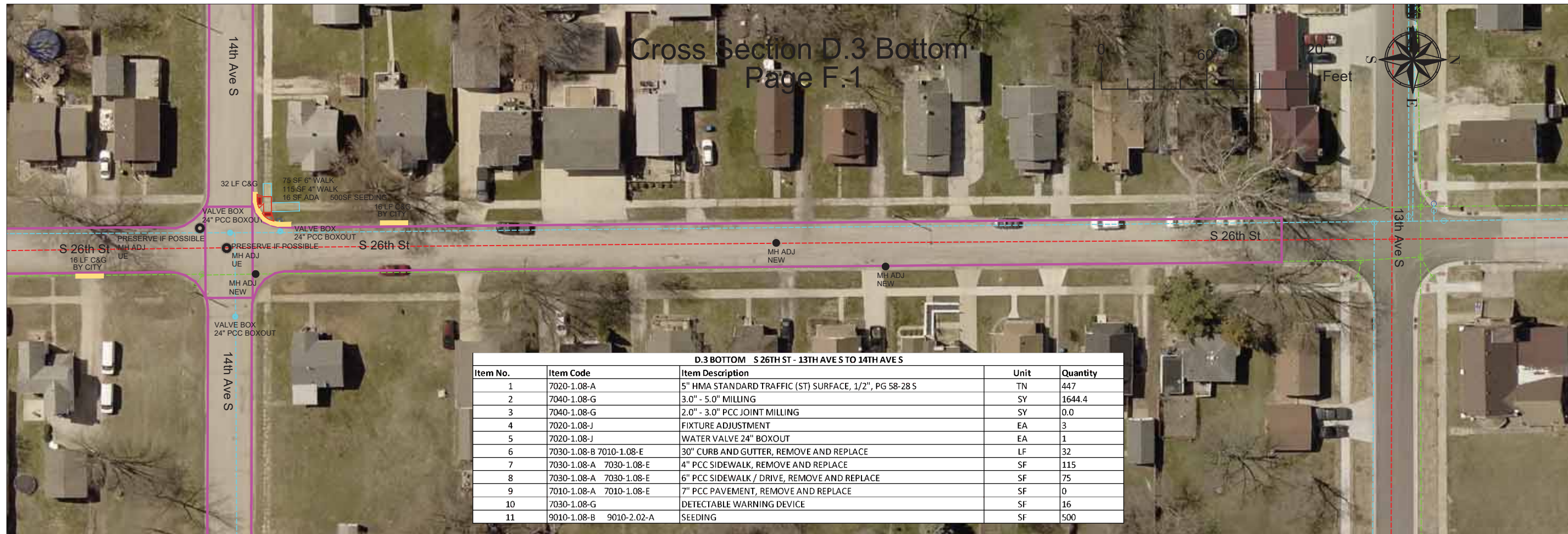
Date: 1/1/2022

# Cross Section D.3 Top Page F.1



D.3 TOP S 26TH ST - 14TH AVES TO 15TH AVES				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	470
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1728.9
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	3
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

# Cross Section D.3 Bottom Page F.1



D.3 BOTTOM S 26TH ST - 13TH AVES TO 14TH AVES				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	447
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1644.4
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	3
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	32
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	115
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	75
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	16
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	500

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

Approved \_\_\_\_\_ Title \_\_\_\_\_  
 Paving Plan Sheet

GENERAL NOTES

Date: 1/1/2022

Sheet D.3

### Cross Section D.4 Top Page F.1



D.4 TOP S 27TH ST - 14TH AVE S TO 15TH AVE S					
Item No.	Item Code	Item Description	Unit	Quantity	
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	462	
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1700.0	
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0	
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	2	
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	3	
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0	
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0	
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0	
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0	
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0	
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0	

### Cross Section D.4 Bottom Page F.1



D.4 BOTTOM S 27TH ST - 13TH AVE S TO 14TH AVE S					
Item No.	Item Code	Item Description	Unit	Quantity	
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	450	
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1653.3	
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0	
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1	
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1	
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0	
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0	
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0	
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0	
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0	
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0	

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

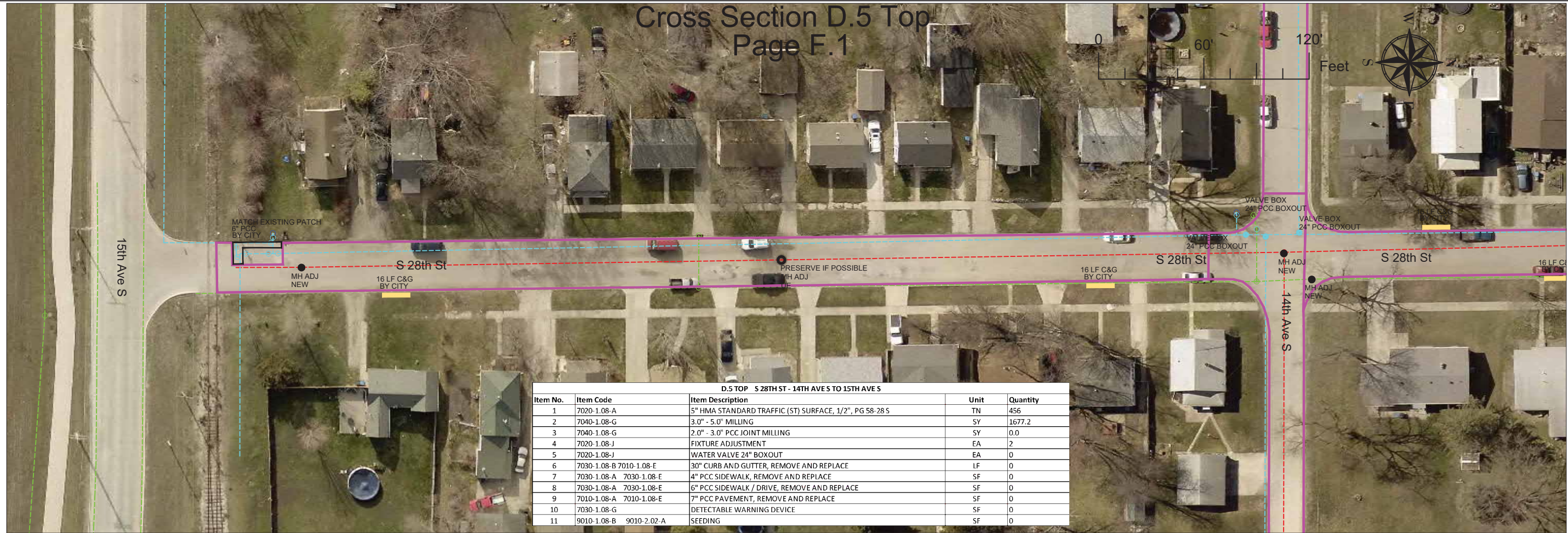
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Page F.1



Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	456
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1677.2
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	2
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

Cross Section D.5 Bottom  
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Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	457
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1679.4
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	3
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

Designed David Odor, PLS  
Drawn David Odor, PLS  
Checked Austin Morrow, PE

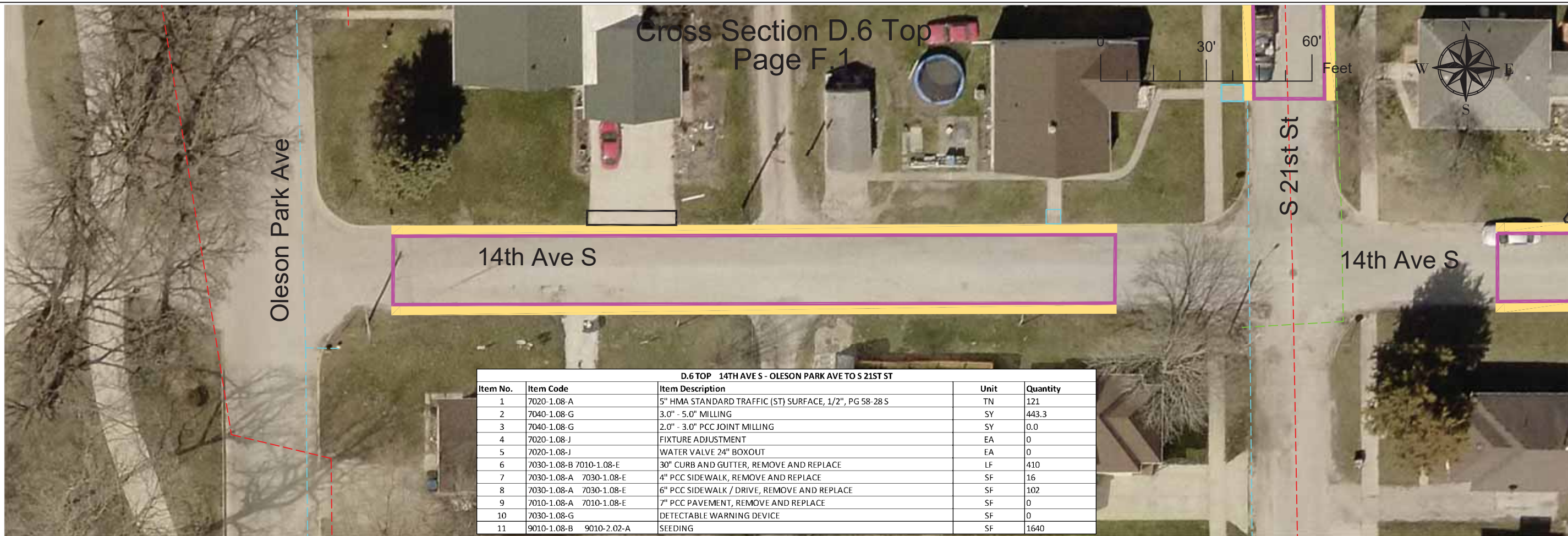
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City of Fort Dodge Engineering Department  
819 1ST AVE S FORT DODGE, IA

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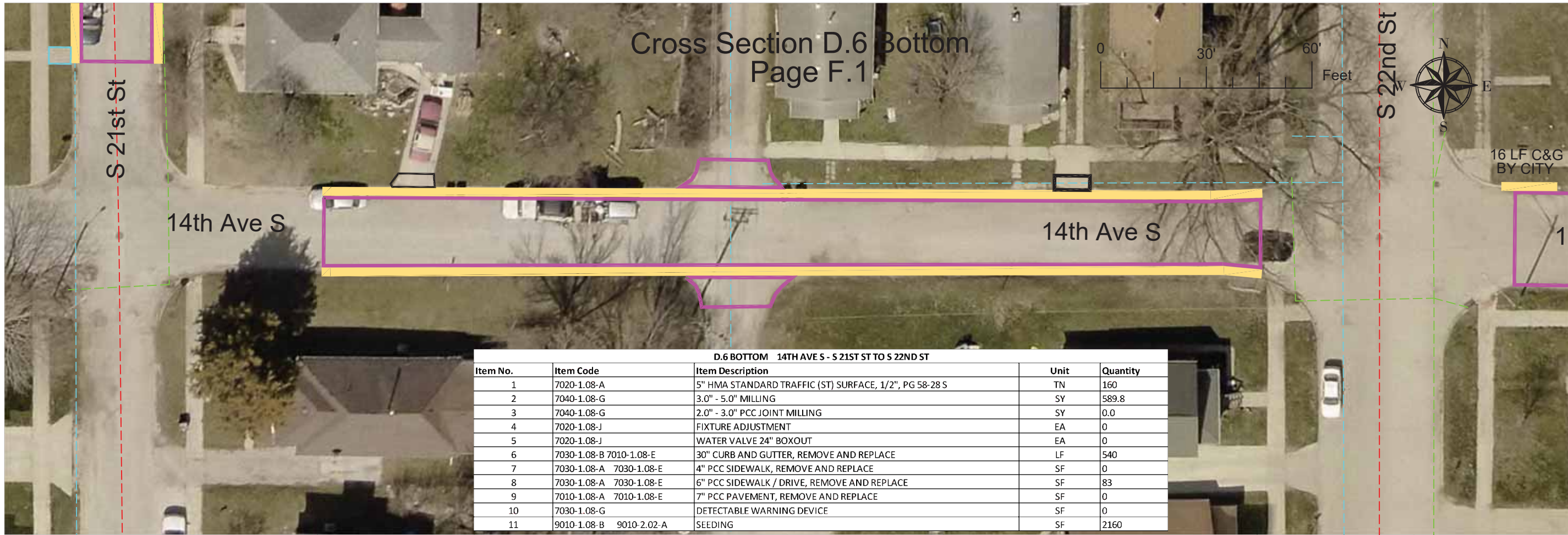
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Cross Section D.6 Top  
Page F.1



D.6 TOP 14TH AVE S - OLESON PARK AVE TO S 21ST ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	121
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	443.3
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	410
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	16
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	102
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	1640

Cross Section D.6 Bottom  
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D.6 BOTTOM 14TH AVE S - S 21ST ST TO S 22ND ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	160
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	589.8
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	540
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	83
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	2160

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

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 819 1ST AVE S

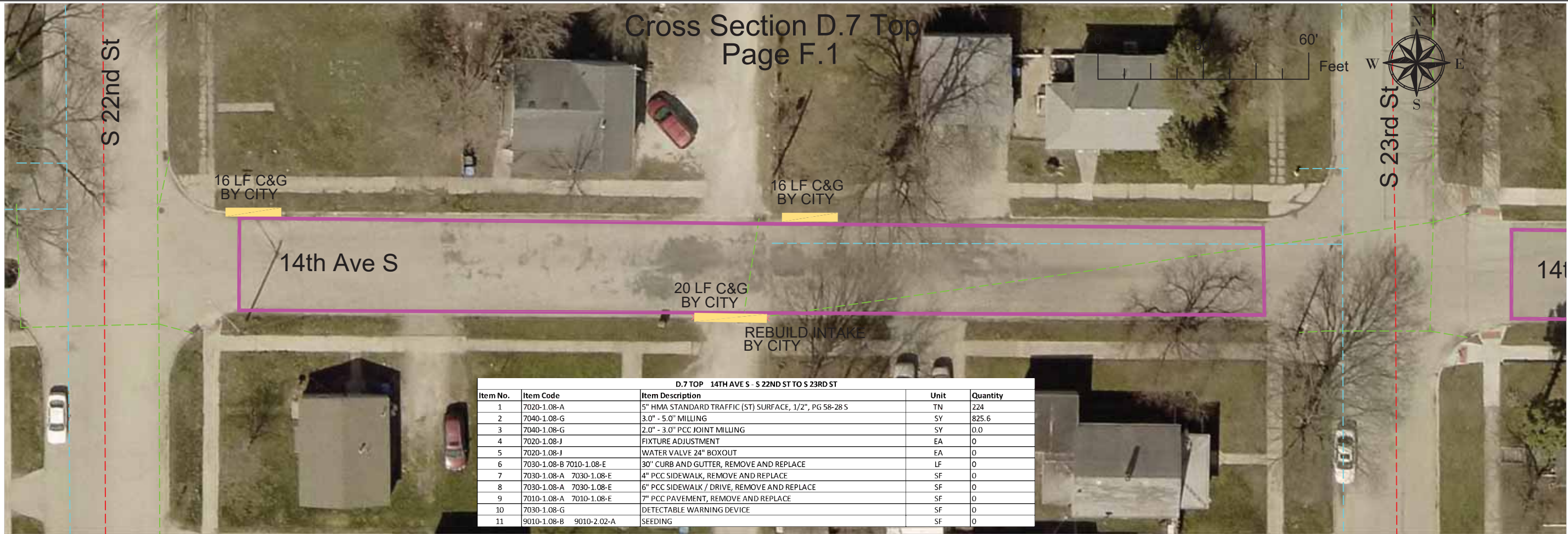
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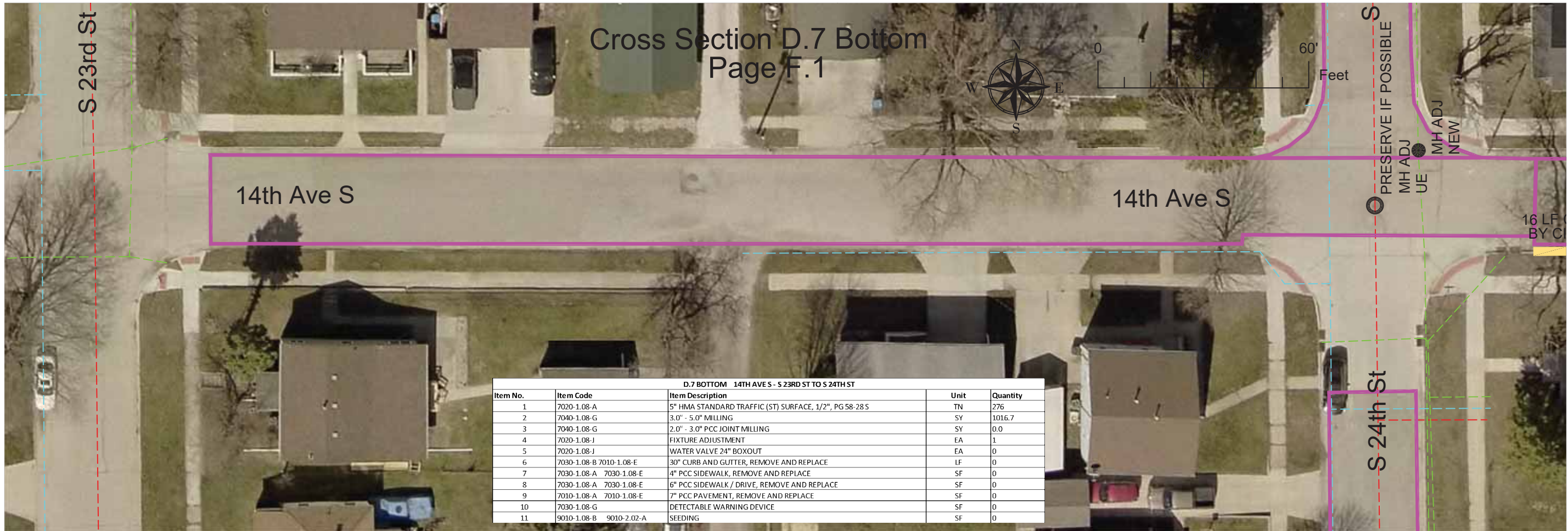
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D.7 TOP 14TH AVE S - S 22ND ST TO S 23RD ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	224
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	825.6
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

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D.7 BOTTOM 14TH AVE S - S 23RD ST TO S 24TH ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	276
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1016.7
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

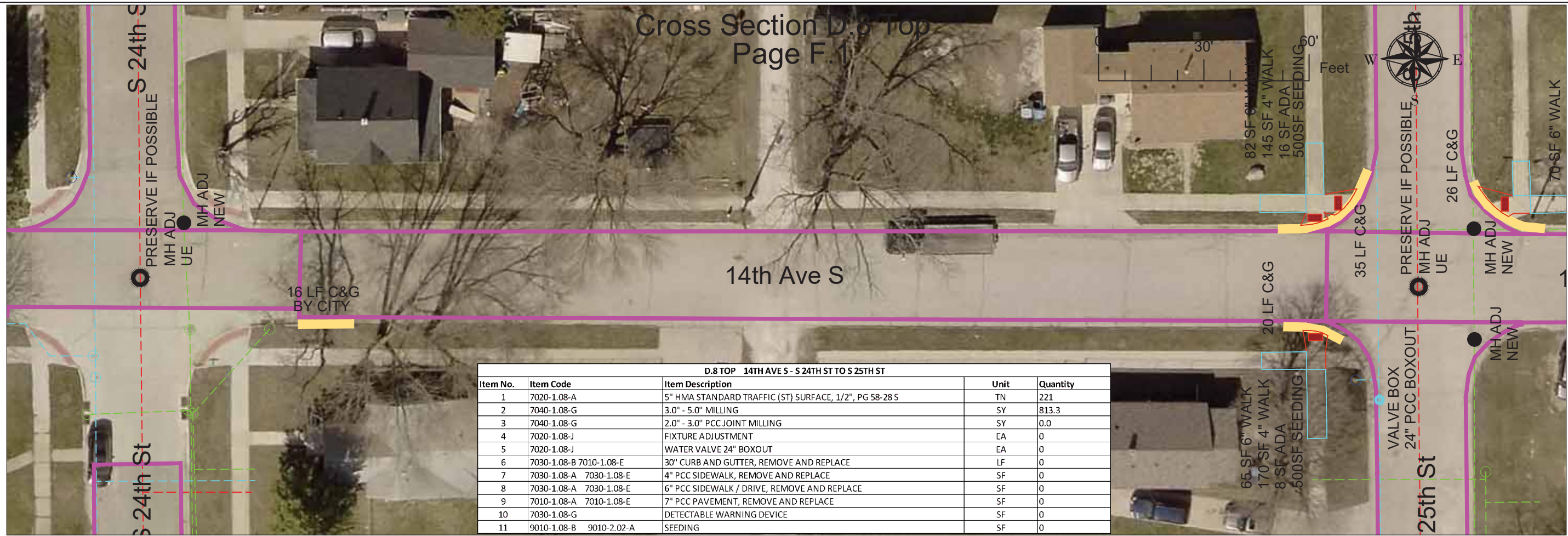
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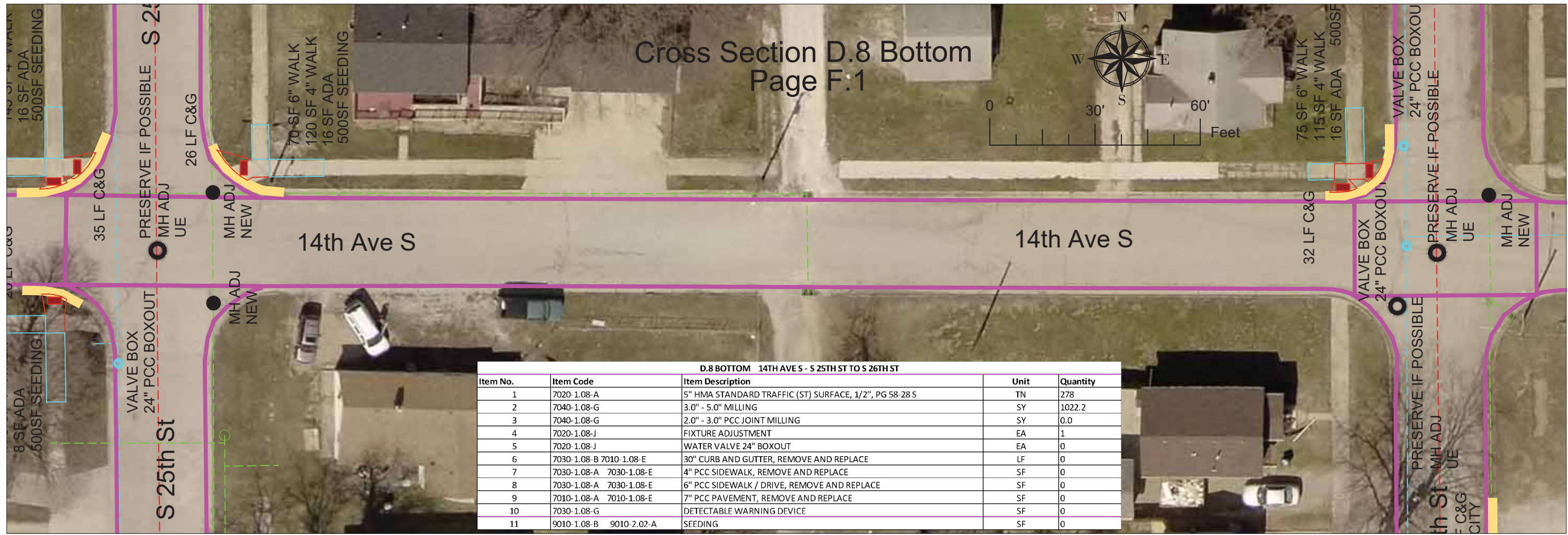
Sheet D.7

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Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	221
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	813.3
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

Cross Section D.8 Bottom  
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Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	278
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1022.2
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

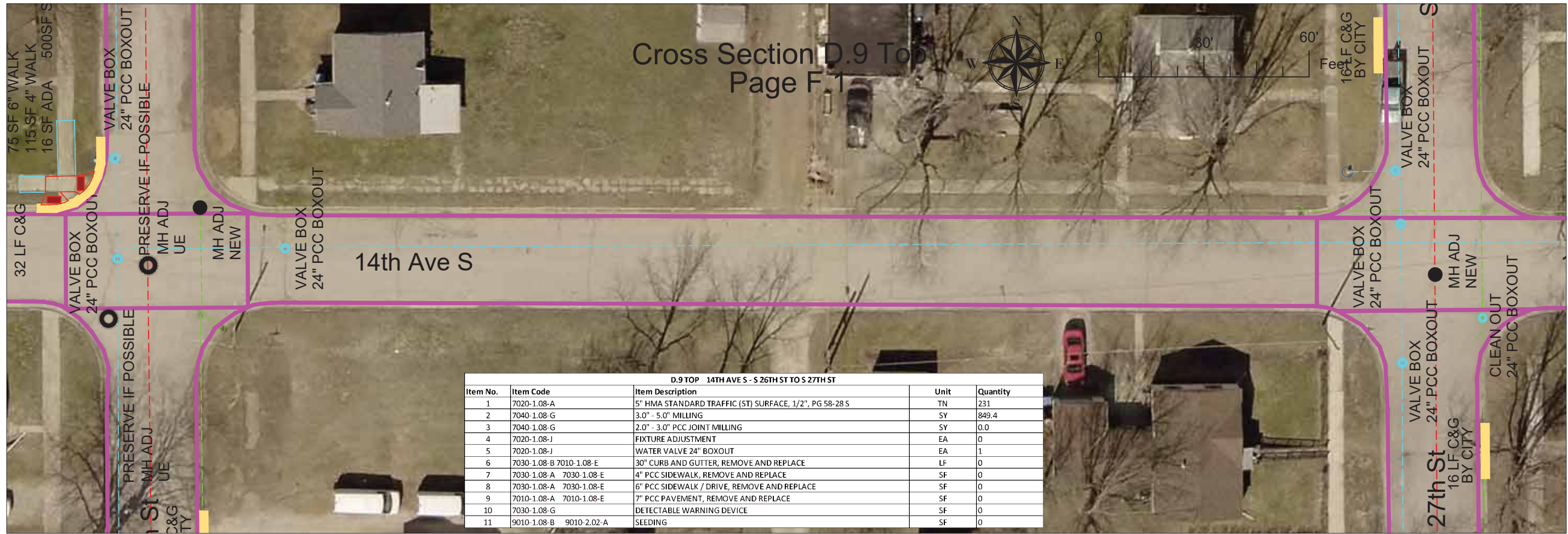
2022 ASPHALT Street Repair Project  
City of Fort Dodge Engineering Department  
FORT DODGE, IA  
819 1ST AVE S

Designed David Odor, PLS  
Drawn David Odor, PLS  
Checked Austin Morrow, PE

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Date \_\_\_\_\_

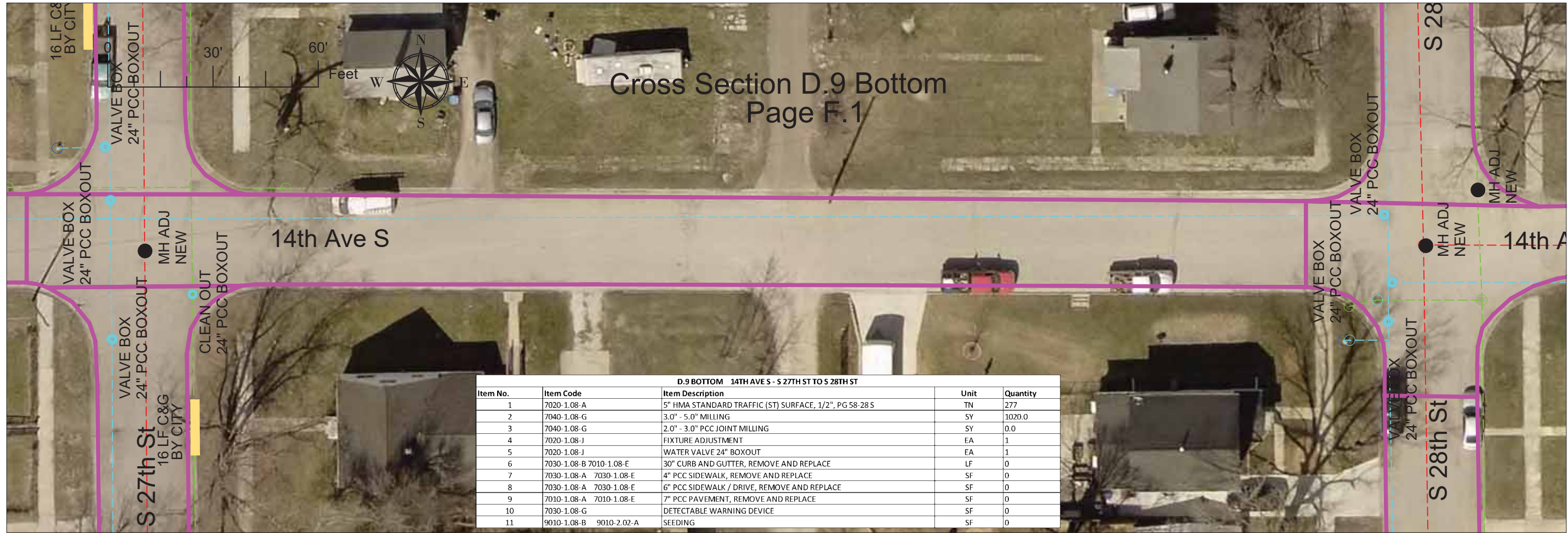
GENERAL NOTES

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D.9 TOP 14TH AVE S - S 26TH ST TO S 27TH ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	231
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	849.4
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

### Cross Section D.9 Bottom Page F.1



D.9 BOTTOM 14TH AVE S - S 27TH ST TO S 28TH ST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	277
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	1020.0
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

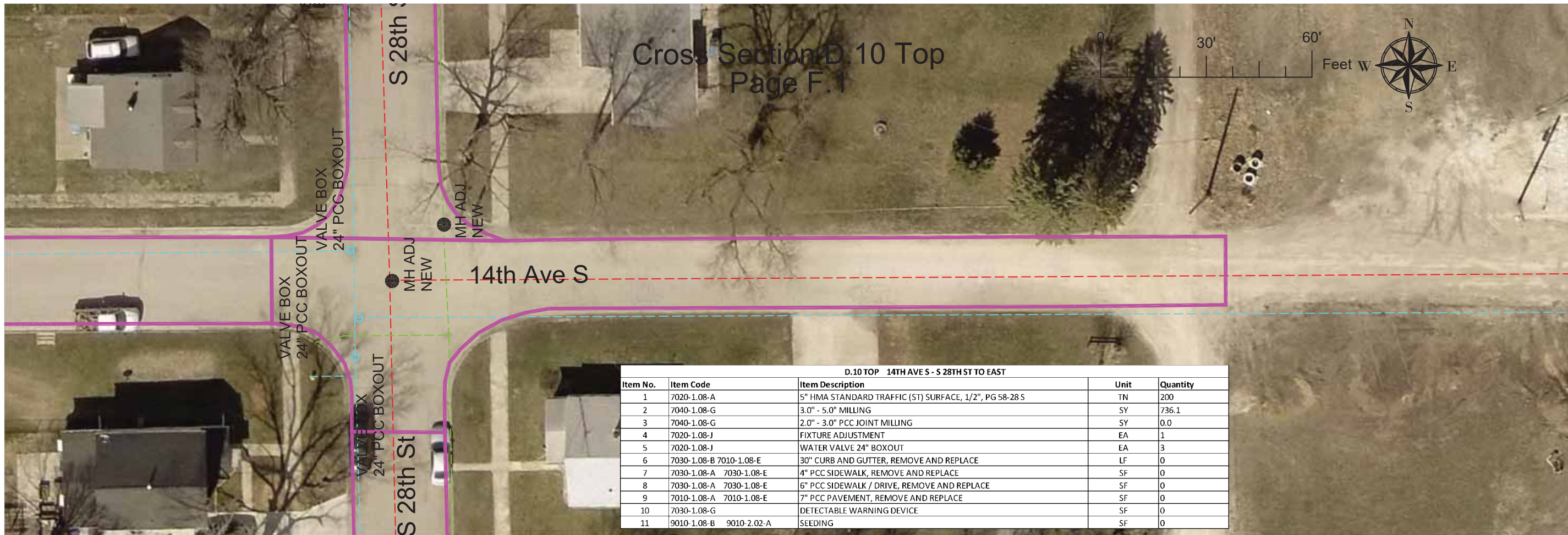
Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

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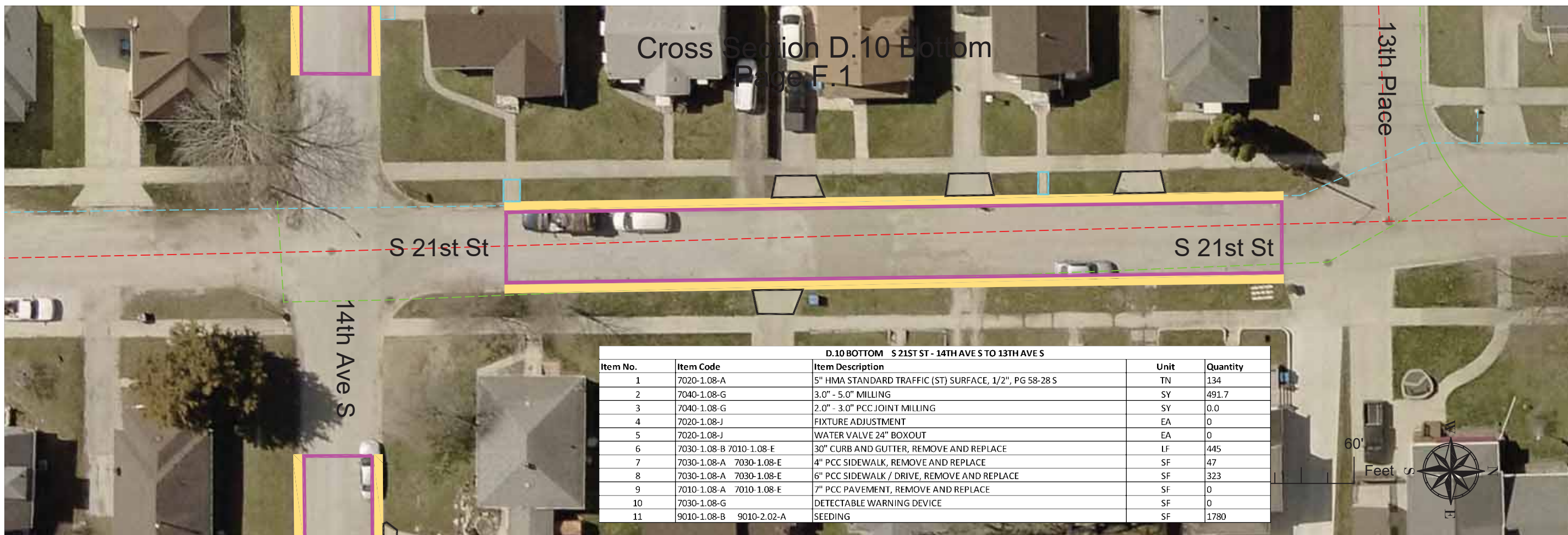
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Cross Section D.10 Top  
Page F.1



D.10 TOP 14TH AVE S - S 28TH ST TO EAST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	200
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	736.1
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	3
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0



Cross Section D.10 Bottom  
Page F.1



D.10 BOTTOM S 21ST ST - 14TH AVE S TO 13TH AVE S				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	5" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	134
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	491.7
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	0
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	445
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	47
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	323
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	1780

Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

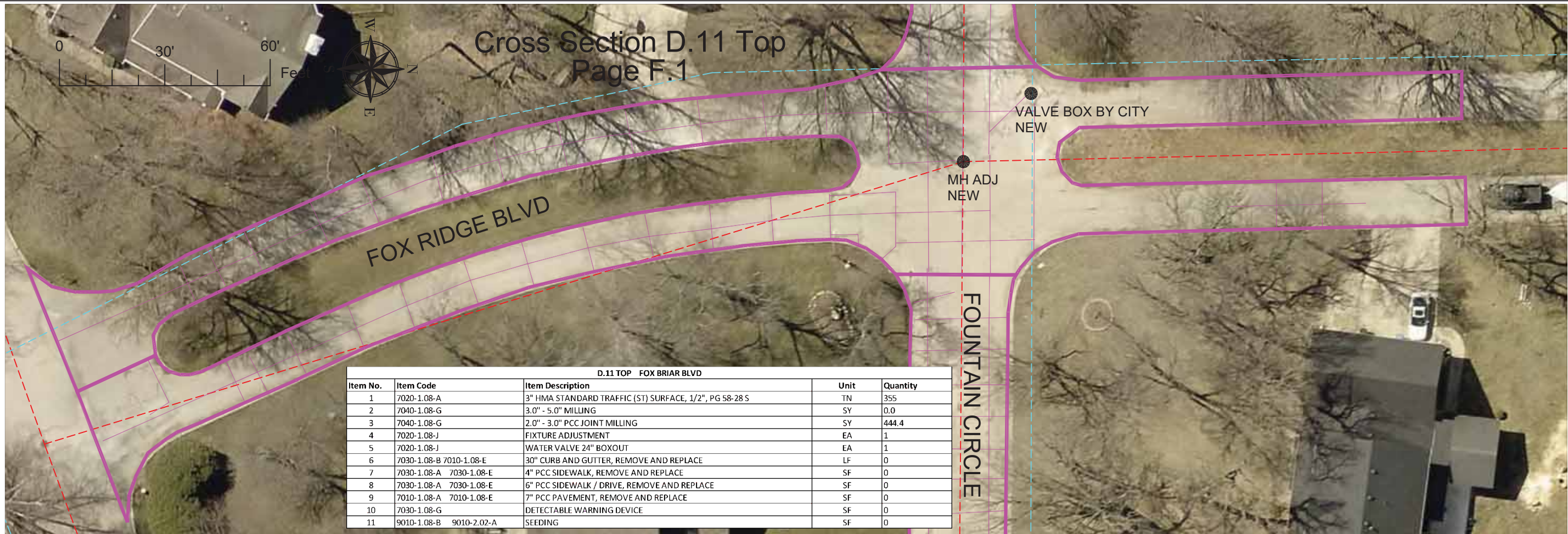
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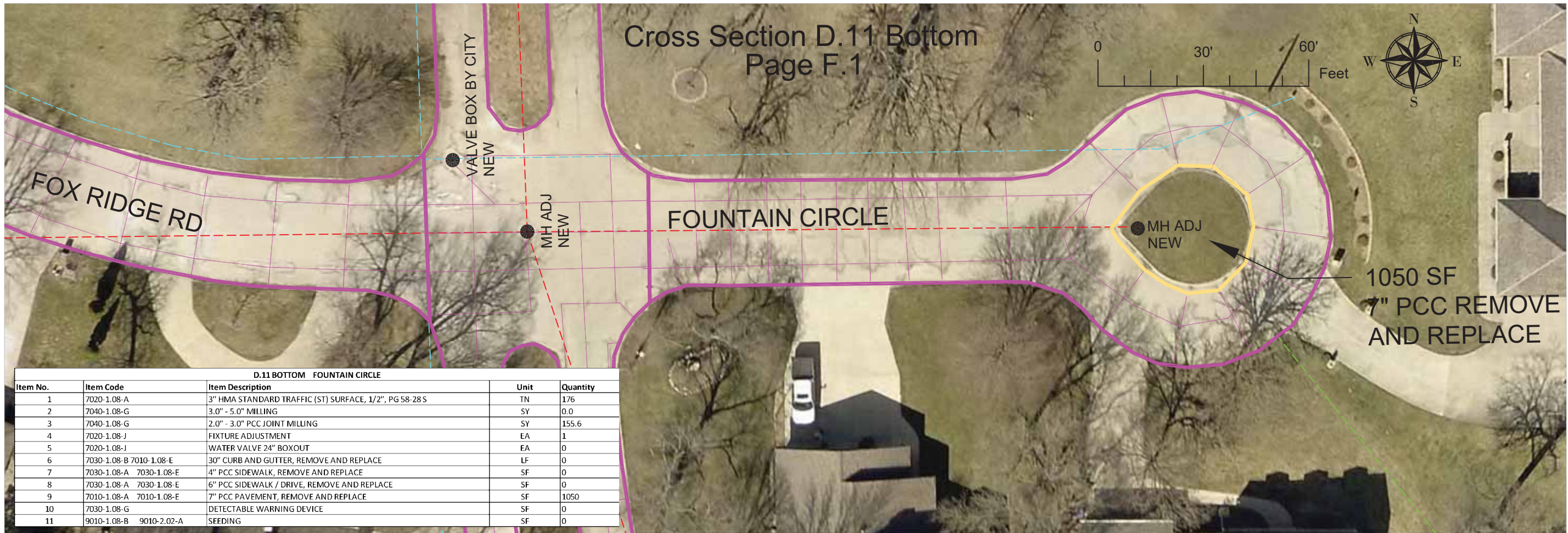
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D.11 TOP FOX BRIAR BLVD				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	3" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	355
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	0.0
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	444.4
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	1
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0



D.11 BOTTOM FOUNTAIN CIRCLE				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	3" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	176
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	0.0
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	155.6
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	1050
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

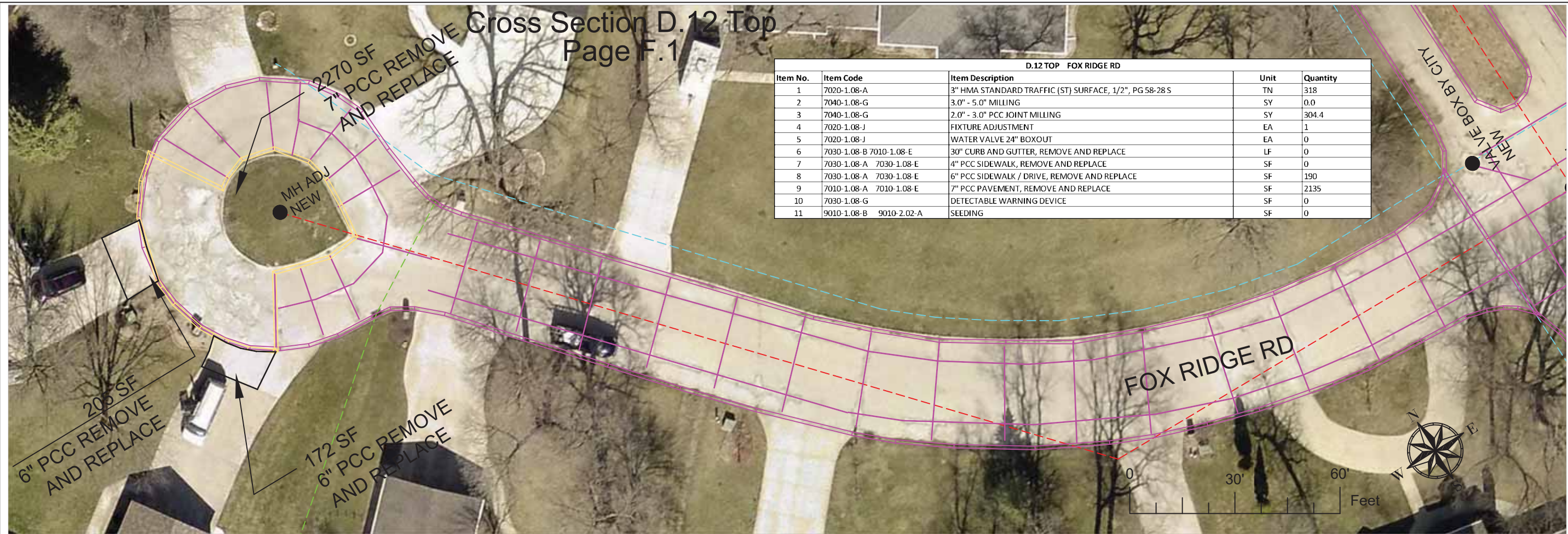
Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

**2022 ASPHALT Street Repair Project**  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

Approved \_\_\_\_\_ Title \_\_\_\_\_  
 Date \_\_\_\_\_

Paving Plan Sheet

GENERAL NOTES



Cross Section D.12 Top  
Page F.1

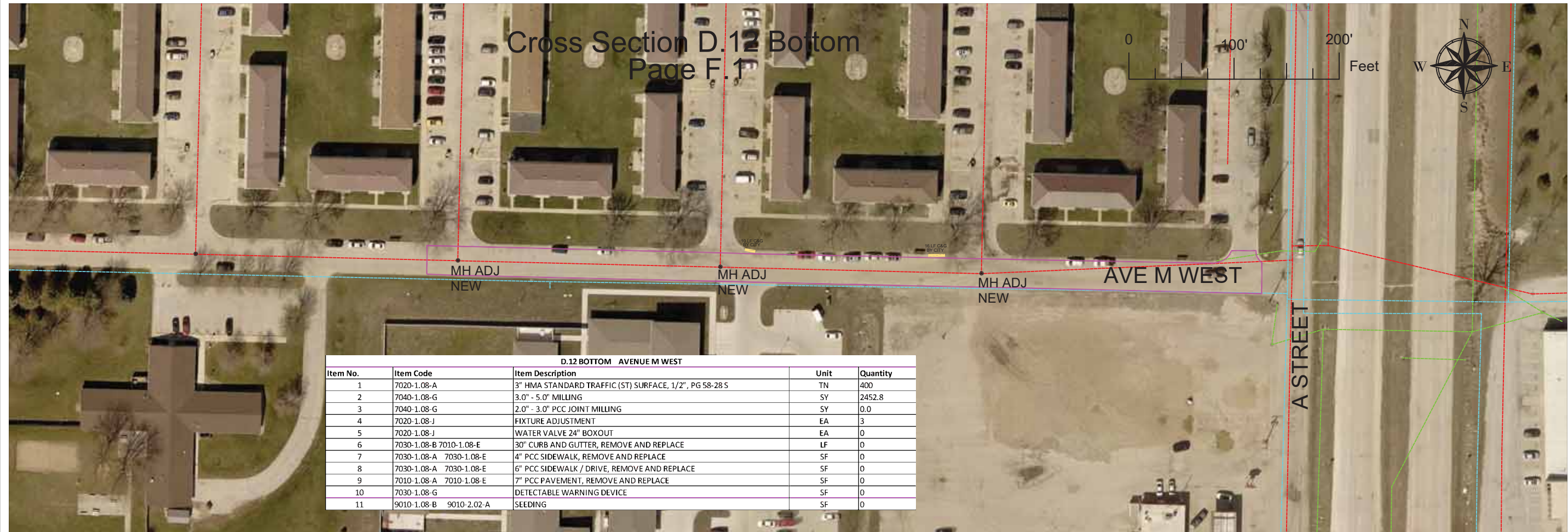
D.12 TOP FOX RIDGE RD				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	3" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	318
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	0.0
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	304.4
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	1
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	190
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	2135
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

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2022 ASPHALT Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

Approved \_\_\_\_\_ Title \_\_\_\_\_  
 Paving Plan Sheet

Date \_\_\_\_\_



Cross Section D.12 Bottom  
Page F.1

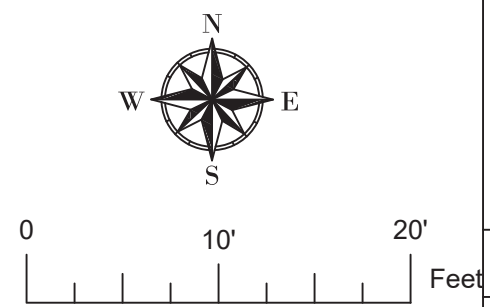
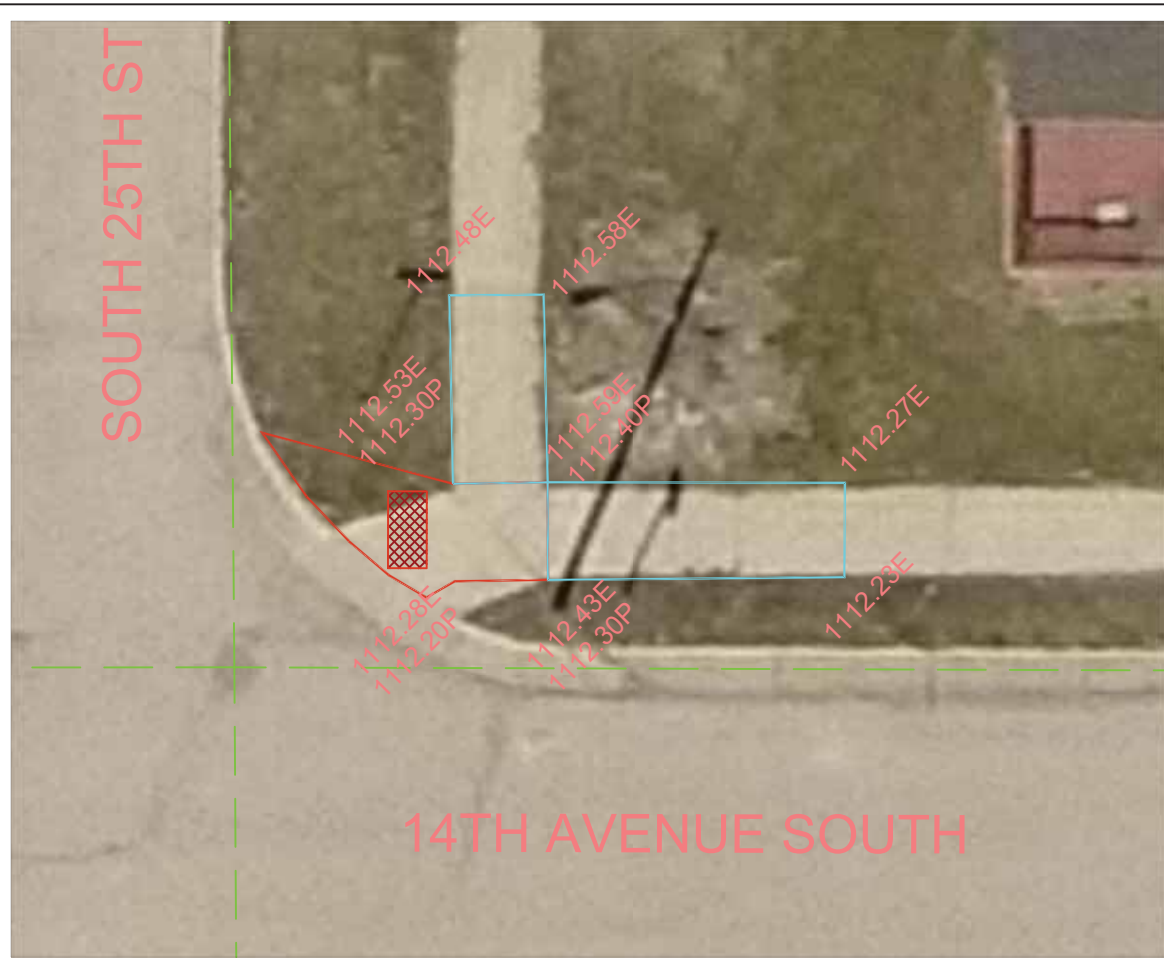
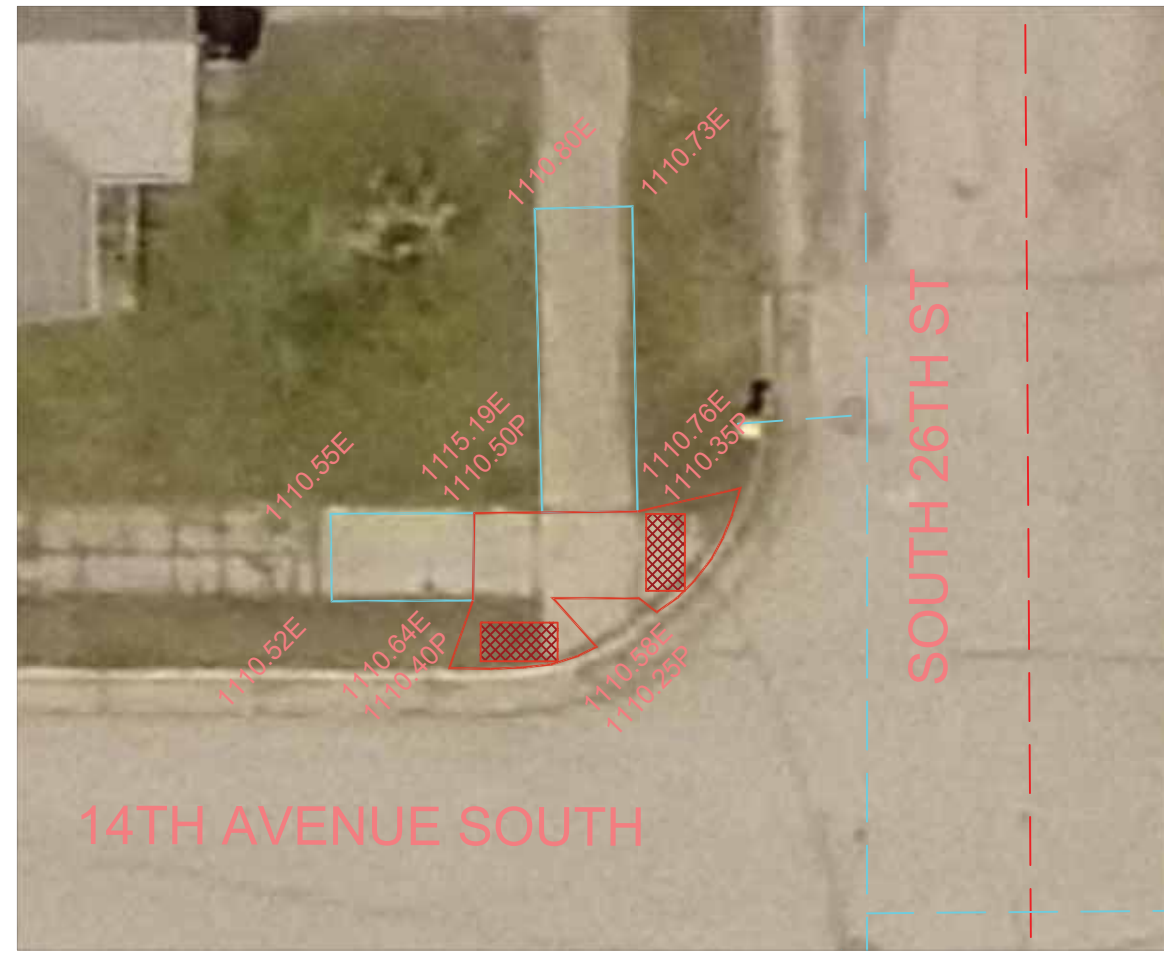
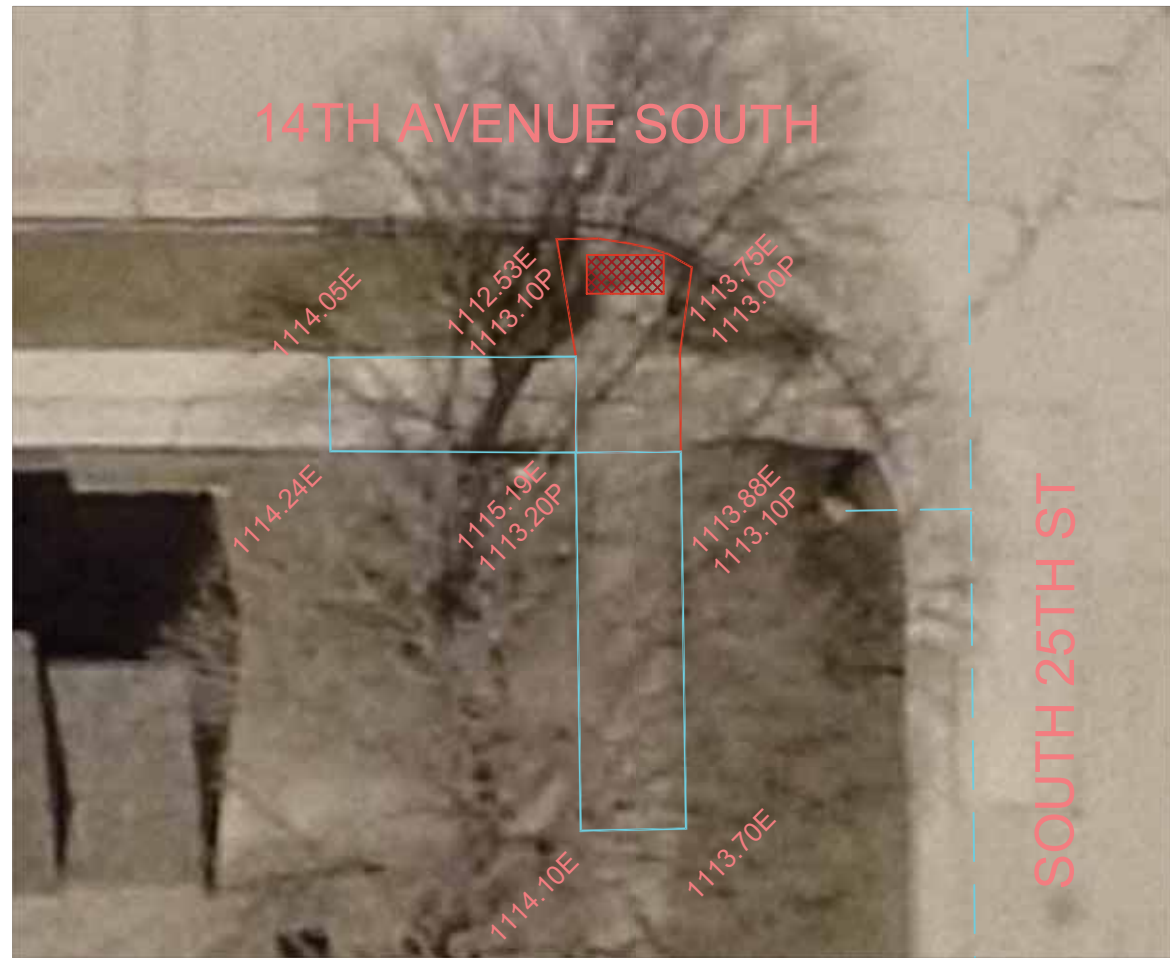
D.12 BOTTOM AVENUE M WEST				
Item No.	Item Code	Item Description	Unit	Quantity
1	7020-1.08-A	3" HMA STANDARD TRAFFIC (ST) SURFACE, 1/2", PG 58-28 S	TN	400
2	7040-1.08-G	3.0" - 5.0" MILLING	SY	2452.8
3	7040-1.08-G	2.0" - 3.0" PCC JOINT MILLING	SY	0.0
4	7020-1.08-J	FIXTURE ADJUSTMENT	EA	3
5	7020-1.08-J	WATER VALVE 24" BOXOUT	EA	0
6	7030-1.08-B 7010-1.08-E	30" CURB AND GUTTER, REMOVE AND REPLACE	LF	0
7	7030-1.08-A 7030-1.08-E	4" PCC SIDEWALK, REMOVE AND REPLACE	SF	0
8	7030-1.08-A 7030-1.08-E	6" PCC SIDEWALK / DRIVE, REMOVE AND REPLACE	SF	0
9	7010-1.08-A 7010-1.08-E	7" PCC PAVEMENT, REMOVE AND REPLACE	SF	0
10	7030-1.08-G	DETECTABLE WARNING DEVICE	SF	0
11	9010-1.08-B 9010-2.02-A	SEEDING	SF	0

GENERAL NOTES

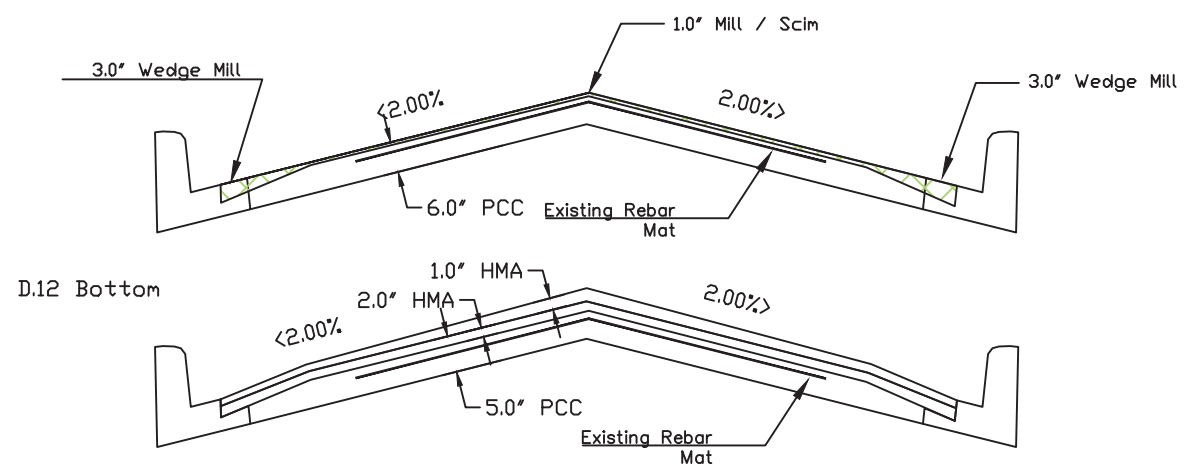
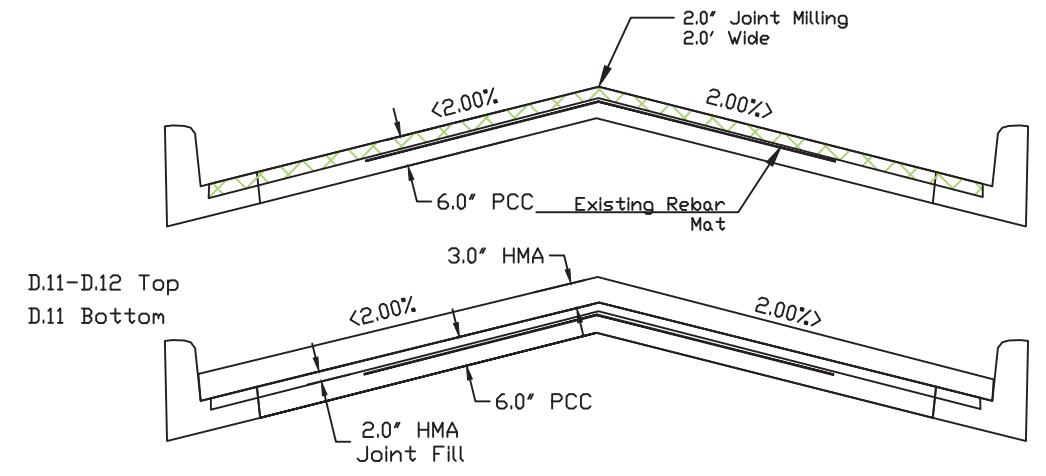
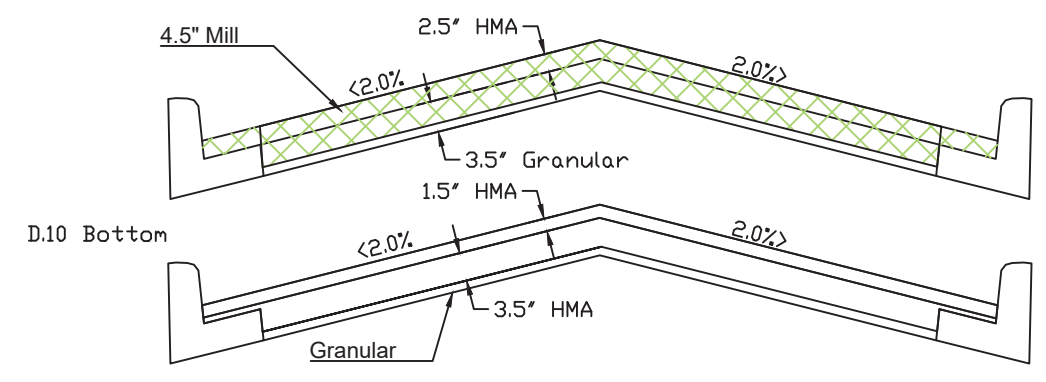
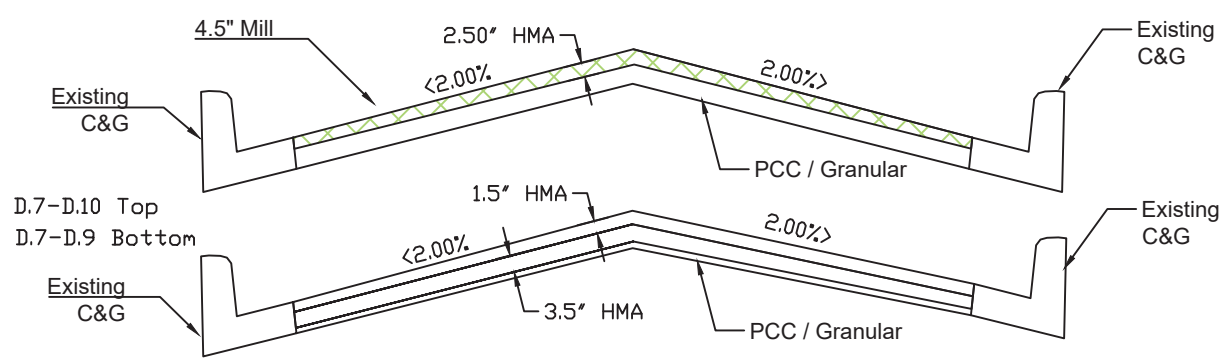
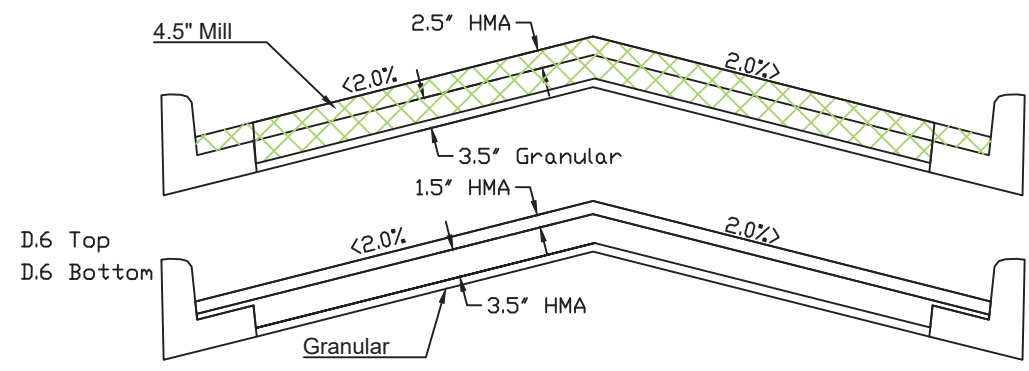
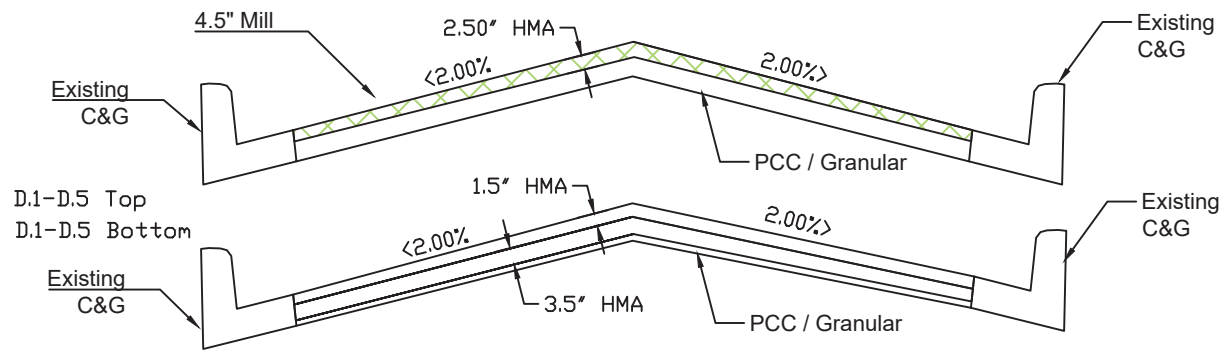
Date: 1/1/2022

Sheet D.12





2022 Asphalt Street Repair Project City of Fort Dodge Engineering Department 819 1ST AVE S FORT DODGE, IA		Designed David Odor, PLS Drawn David Odor, PLS Checked Austin Morrow, PE	Approved _____ Date _____ Title _____
<b>Sidewalk Approach Details</b>		Sidewalk Plan Sheet	
GENERAL NOTES			
Date: 1/1/2022		Sheet E.1	



Designed David Odor, PLS  
 Drawn David Odor, PLS  
 Checked Austin Morrow, PE

2022 Asphalt Street Repair Project  
 City of Fort Dodge Engineering Department  
 FORT DODGE, IA  
 819 1ST AVE S

Approved \_\_\_\_\_  
 Title \_\_\_\_\_

Street Cross Sections

GENERAL NOTES

Date:  
 1/1/2022