

**CITY OF RAYMORE**

100 Municipal Circle · Raymore, MO. 64083  
Phone · 816-892-3045 · Fax · 816-892-3093



**ADDENDUM NO. 1**

2021 Sidewalk Project

Project #21-381-201

All plan holders are hereby notified and agree by signature below, that the proposal includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the proposal.

**Addendum No. 1 - Clarification.**

**1. Revised plan sheets - Attached**

- Added project locations to the first map page
- Added quantities for each individual road to the corresponding plan page

**2. Revised Proposal Form E - Attached**

- Added Construction Staking

**3. Revised Appendix A as follows:**

- **Section 3; Project Completion and Schedule**
  - Added: Contractor shall start on the South Foxridge Drive sidewalk and complete all work in the area before moving to a new location
- **Section 6; Special Conditions;**
  - **Clearing and grubbing**
    - Added: The unit price named in the bid shall be a lump sum for all locations to be cleared and grubbed for the proposed sidewalks.
  - **Sidewalk Installation**
    - Added: One set of concrete compressive strength cylinders shall be made each week the sidewalk is installed. Four cylinders per test site will be required. Testing shall be subsidiary to this bid item.
  - **Construction Staking**
    - Added: Construction staking shall be a lump sum (LS) item for payment.
  - **Added: Site Restoration/Hydroseeding:** This shall be considered subsidiary to the installation of the project. The site shall be restored to pre-construction quality. Hydroseeding shall be performed in conformance with KC APWA section 2404. A 4" deep layer of topsoil shall be considered subsidiary to all areas requiring soil as part of the site restoration. Topsoil shall be defined as: fertile, friable and loamy soil of uniform quality, without admixture of subsoil material, and shall be free from material such as hard clods, stiff clay, hardpan, partially disintegrated stone, pebbles larger than one inch in diameter, and other impurities. Topsoil shall be relatively free from grass, roots, weeds and other objectionable plant material or vegetative debris undesirable or harmful to plant life or which will prevent the formation of a suitable seedbed.

Any other questions regarding this proposal shall be submitted to Kim Quade, CPPB by email at kquade@raymore.com or by phone at (816) 892-3045. There will be no questions allowed after May 26th, 2021 at 5 p.m.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Date: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature of Bidder: \_\_\_\_\_

**ADDENDUM MUST BE SUBMITTED WITH BID**

**\*\*REVISED\*\* BID PROPOSAL FORM E – Project No. 21-381-201**

**2021 Sidewalk Project**

**Base Bid**

Base Bid Items	Units	Estimated Quantities	\$/Units	Total
Mobilization	LS	1	\$	\$
Clearing and Grubbing	LS	1	\$	\$
Removal of Existing Material	SF	13557	\$	\$
5' Sidewalk, Installed	SF	13557	\$	\$
ADA ramp, Installed	EA	17	\$	\$
Modular Block Wall, Installed	Face SF	100	\$	\$
Relocate Fire Hydrant	EA	1	\$	\$
Inlet Protection	EA	5	\$	\$
Construction Staking	LS	1	\$	\$
<b>TOTAL BASE BID</b>				\$

**Total Base Bid for Project Number: 21-381-201**

\$ \_\_\_\_\_

**In the blank above insert numbers for the sum of the bid.**

(\$ \_\_\_\_\_ )

**In the blank above write out the sum of the bid.**

**\*\*REVISED\*\* BID PROPOSAL FORM E – RFP 21-381-201  
CONTINUED**

**Company Name** \_\_\_\_\_

**By** \_\_\_\_\_  
Authorized Person's Signature

\_\_\_\_\_  
Print or type name and title of signer

**Company Address** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Phone** \_\_\_\_\_

**Fax** \_\_\_\_\_

**Email** \_\_\_\_\_

**Date** \_\_\_\_\_

**ADDENDA**

Bidder acknowledges receipt of the following addendum:

Addendum No. \_\_\_\_\_

Addendum No. \_\_\_\_\_

Addendum No. \_\_\_\_\_

Addendum No. \_\_\_\_\_

Addendum No. \_\_\_\_\_

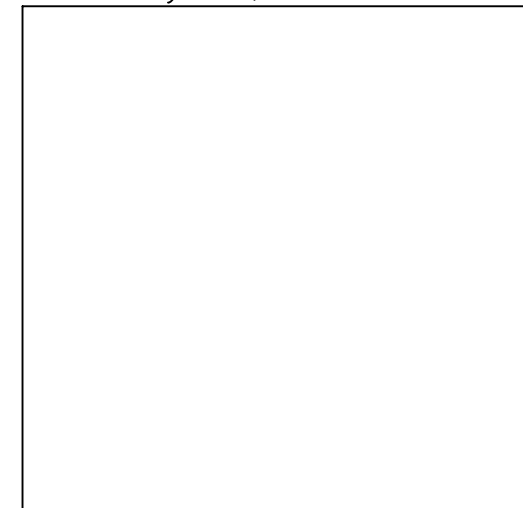
Addendum No. \_\_\_\_\_

**LATE BIDS CANNOT BE ACCEPTED!**

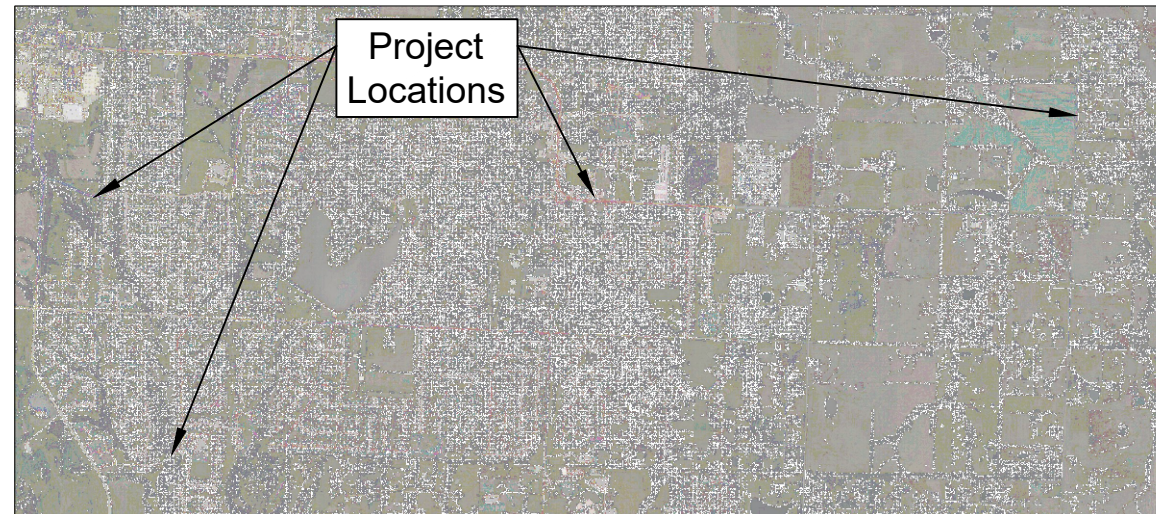
**CITY OF RAYMORE  
CASS COUNTY MISSOURI  
2021 Sidewalk Project  
05-03-2021  
Project # 21-381-201**

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	TYPICAL X-SECTION
4-7	PLAN SHEETS
8	SIDEWALK DETAILS
9	FIRE HYDRANT DETAIL

Project Owner:  
City of Raymore  
100 Municipal Circle  
Raymore, Mo. 64083



Michael Krass  
Professional Engineer  
License No. 2001027896



UTILITY CONTACTS  
City of Raymore, Eng Dept 816-331-1852  
City of Raymore Utilities 816-331-2377  
Every 1-888-471-5275  
Spire 1-800-582-1234  
AT&T 816-275-1640  
Comcast Cable 816-795-2259  
Southern Star Gas Line Emergency Contact  
1-800-324-9696

Project Map  
Not to Scale

LPA Representative Print: \_\_\_\_\_ Date

LPA Representative Signature \_\_\_\_\_ Date

# GENERAL NOTES


1	All Construction to be in accordance with the 2019 Missouri Standard Specifications for Highway Construction, where there is conflict , these plans prevail over the standard specifications. See plan sheets and job special provisions for details.
2	Regardless of what utilities are shown in the bidding documents and utility locations listed, the bidder shall contact each area utility to determine the presence and location of the utility lines. The bidder shall determine and assume the risk as to whether utilities that are to be relocated by the utility company have in fact been relocated and if not, when the utility company anticipates the relocation shall be completed. The bidder shall independently determine the reliability of the information received from the utility companies and shall make the determination as to the sequence and timing of the utility relocations in determining a bid.
3	All Excavation to be in accordance with section 319.010-319.050, revised statutes of the State of Missouri , such compliance shall not , however, excuse any person making any excavation from doing so in a careful and prudent manner, nor shall it excuss such person from liability for any damage or injury to underground utilities resulting from the excavation.
4	All excavation and fill is subsidiary to other bid items.
5	Removal of trees and shrubs shall be verified by field inspectors. Exercise caution when working near the construction limits to minimize disturbance to adjacent trees and shrubs that are not being removed by construction activities.
6	Construction shall meet ADA requirements, any construction that does not meet ADA requirements must be removed and replaced at the contractors expense.
7	The removal of improvements pay item shall be considered to completely cover the cost for saw cutting and removing existing curb and gutter, pavement, foundations, grinding of surfaces, and any other items needed to complete the proposed project.
8	Contractor is responsible for replacing any property or right of way monuments that are removed with this project.
9	Detectable warning strip shall be colored "Brick Red" an be embedded into the concrete, the detectable warning strip shall be preformed and installed in strict accordance with the manufactures recommendations. Products that are bonded to the surface concrete shall not be allowed in new installations, stamped concrete detectable warnings will not be allowed.
10	Truncated domes shall span the full width (within 2") of the ramp or landing and shall be installed in accordance with current ADA standards.
11	Finished sidewalk shall be slip resistant and shall not pond water.
12	New curb and gutter shall be constructed in accordance with dimensions shown in plans. All reinforcement and concrete shall be in accordance with MoDOT standards.

General Notes

Engineer Stamp

GENERAL NOTES

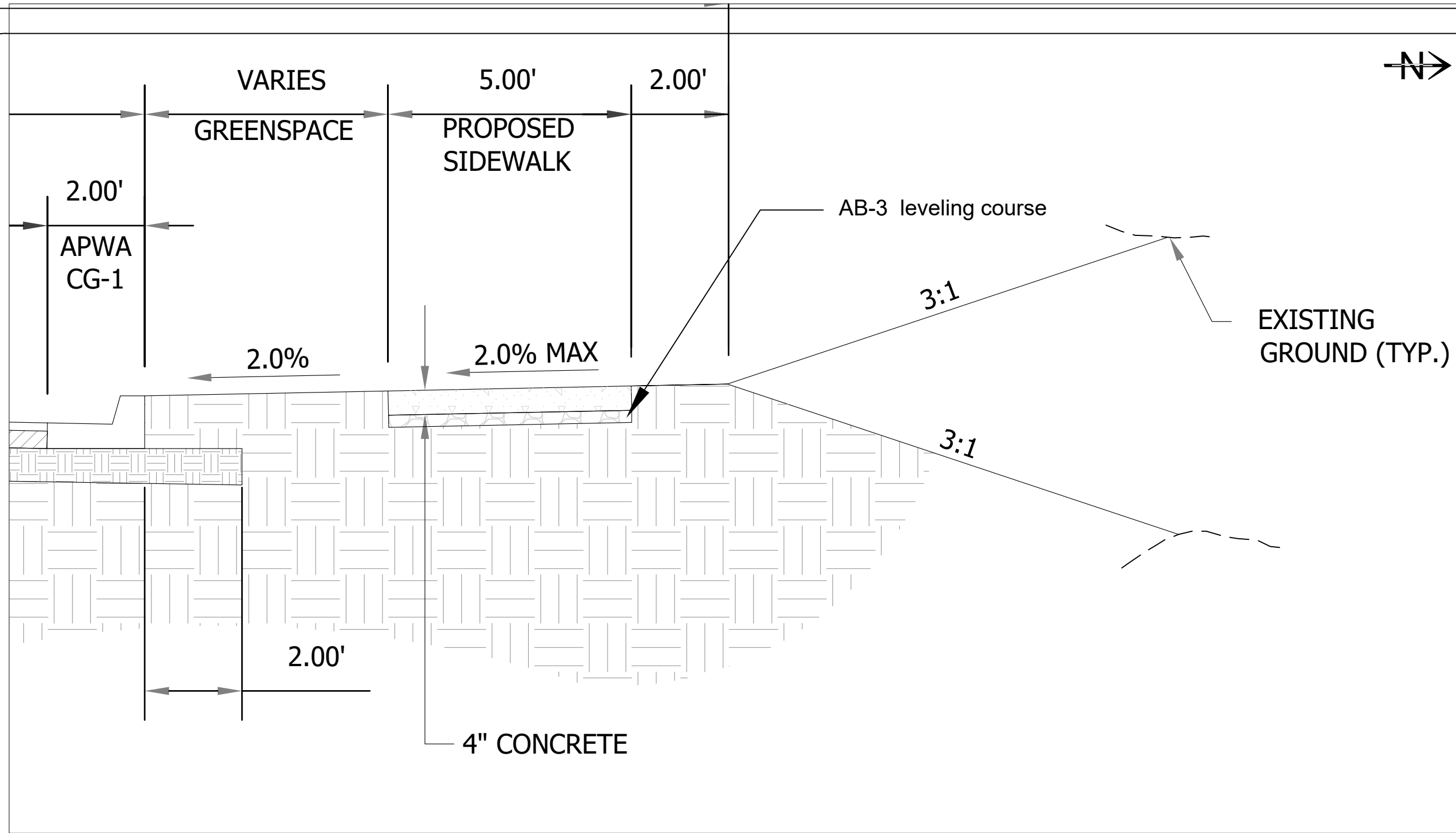
No.	Revision/Issue	Date



Project Name and Address

Johnston Drive Sidewalk  
Dean Ave. to Darrowby Dr.

Project	Sheet
Date	2
Scale	NTS



General Notes

Engineer Stamp

TYPICAL SECTION

No.	Revision/Issue	Date

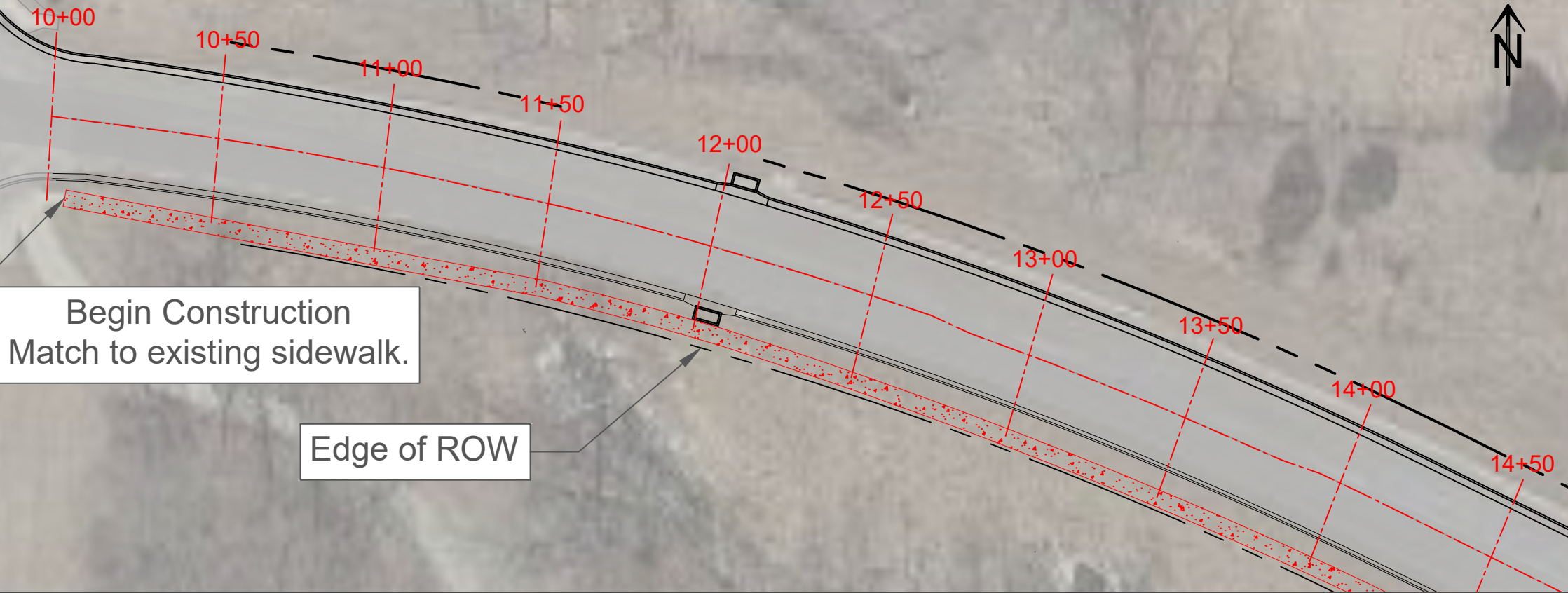


Project Name and Address  
 Johnston Drive Sidewalk  
 Dean Ave. to Darrowby Dr.

Project	Sheet
Date 5/14/2021	3
Scale NTS	



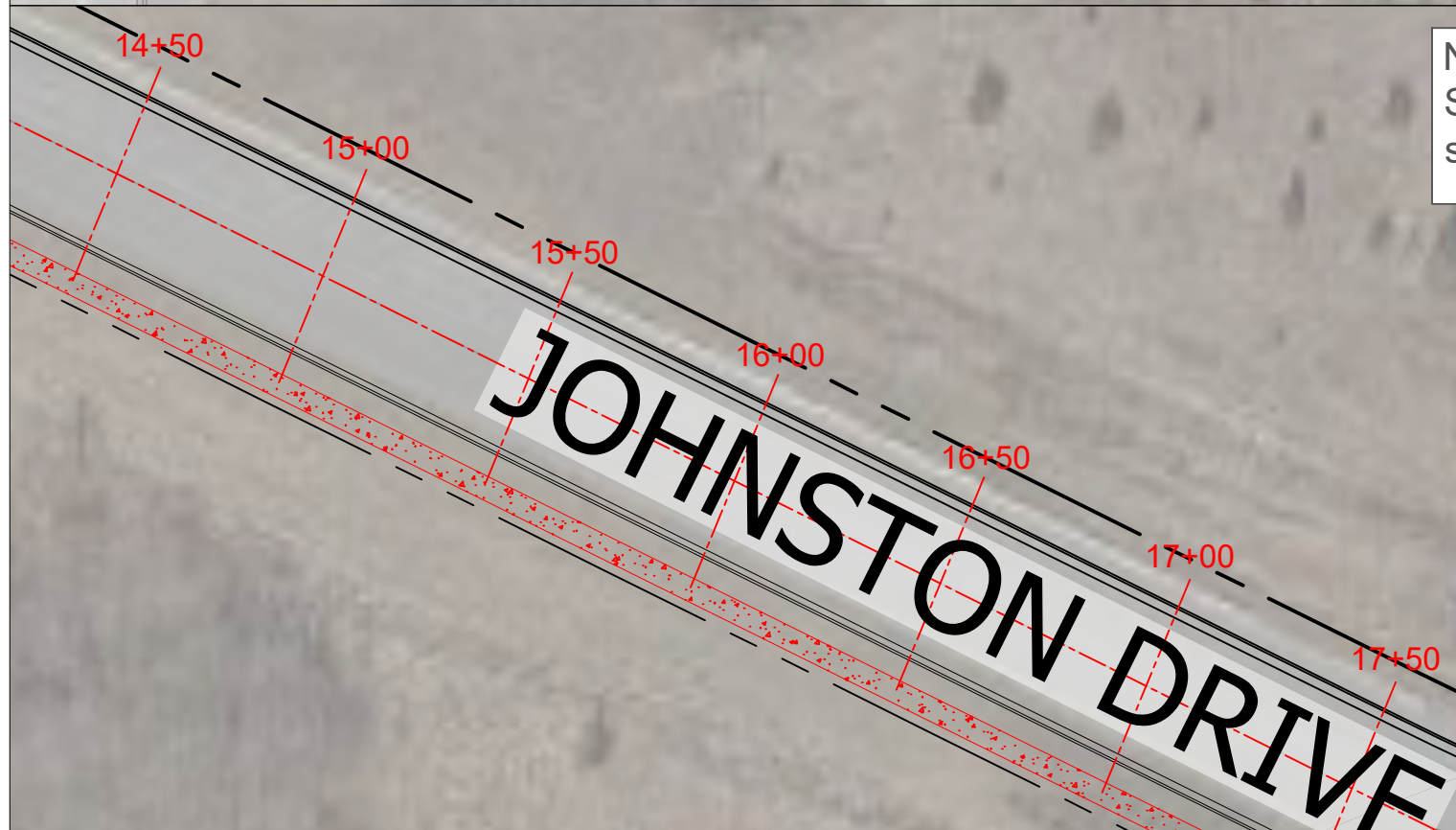
DEAN AVE



Edge of ROW

Begin Construction  
Match to existing sidewalk.

Notes: Final sidewalk location will be verified in the field. Some meandering of the sidewalk will be required so stay an appropriate distance from road side hazards.



JOHNSTON DRIVE


Johnston Drive		
Item	Units	Quantity
5' Sidewalk	SF	6373
ADA Ramps	EA	4

General Notes

Engineer Stamp

SIDEWALK PLAN

No.	Revision/Issue	Date



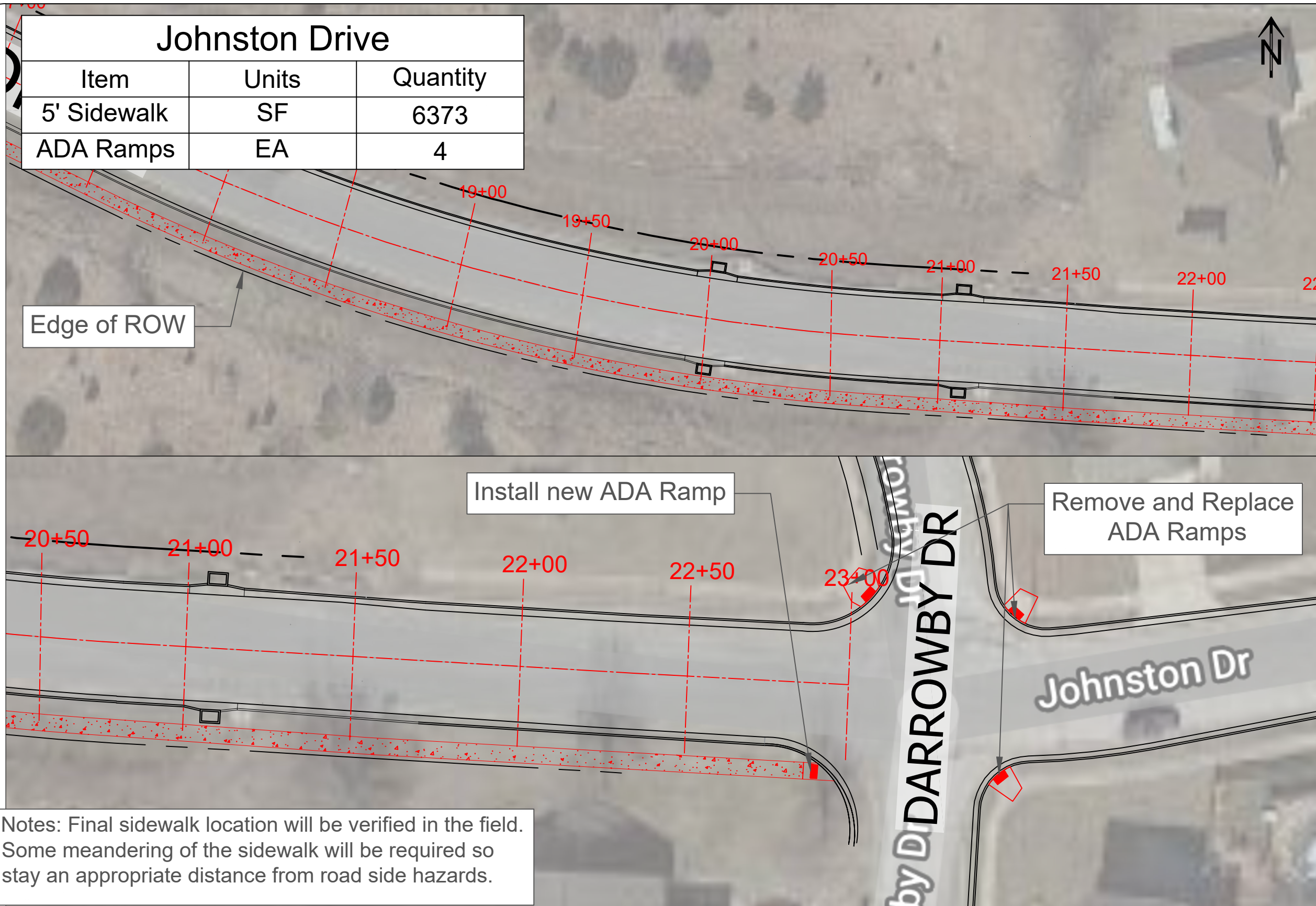
**RAYMORE**  
come home to more

Project Name and Address  
Johnston Drive Sidewalk  
Dean Ave. to Darrowby Dr.

Project	Sheet
Date 5/14/2021	4
Scale 1"=40'	



Johnston Drive		
Item	Units	Quantity
5' Sidewalk	SF	6373
ADA Ramps	EA	4



Notes: Final sidewalk location will be verified in the field. Some meandering of the sidewalk will be required so stay an appropriate distance from road side hazards.

General Notes

Engineer Stamp

SIDEWALK PLAN

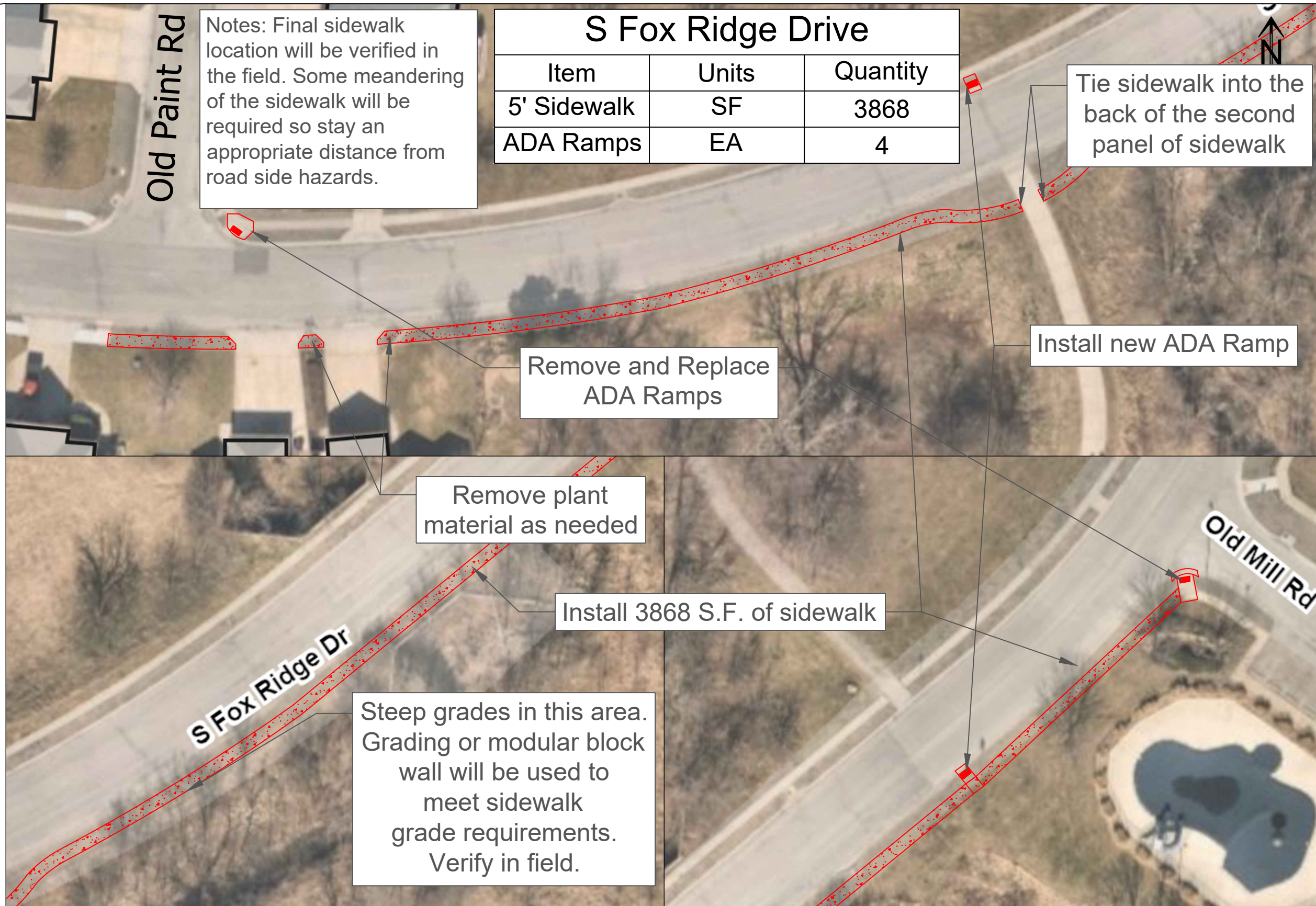
No.	Revision/Issue	Date

**RAYMORE**  
come home to more

Project Name and Address  
Johnston Drive Sidewalk  
Dean Ave. to Darrowby Dr.

Project	Sheet
Date 5/14/2021	5
Scale 1" = 40'	





S Fox Ridge Drive		
Item	Units	Quantity
5' Sidewalk	SF	3868
ADA Ramps	EA	4

Old Paint Rd

Old Mill Rd

S Fox Ridge Dr

General Notes

Engineer Stamp

**SIDEWALK PLAN**

No.	Revision/Issue	Date

**RAYMORE**  
come home to more

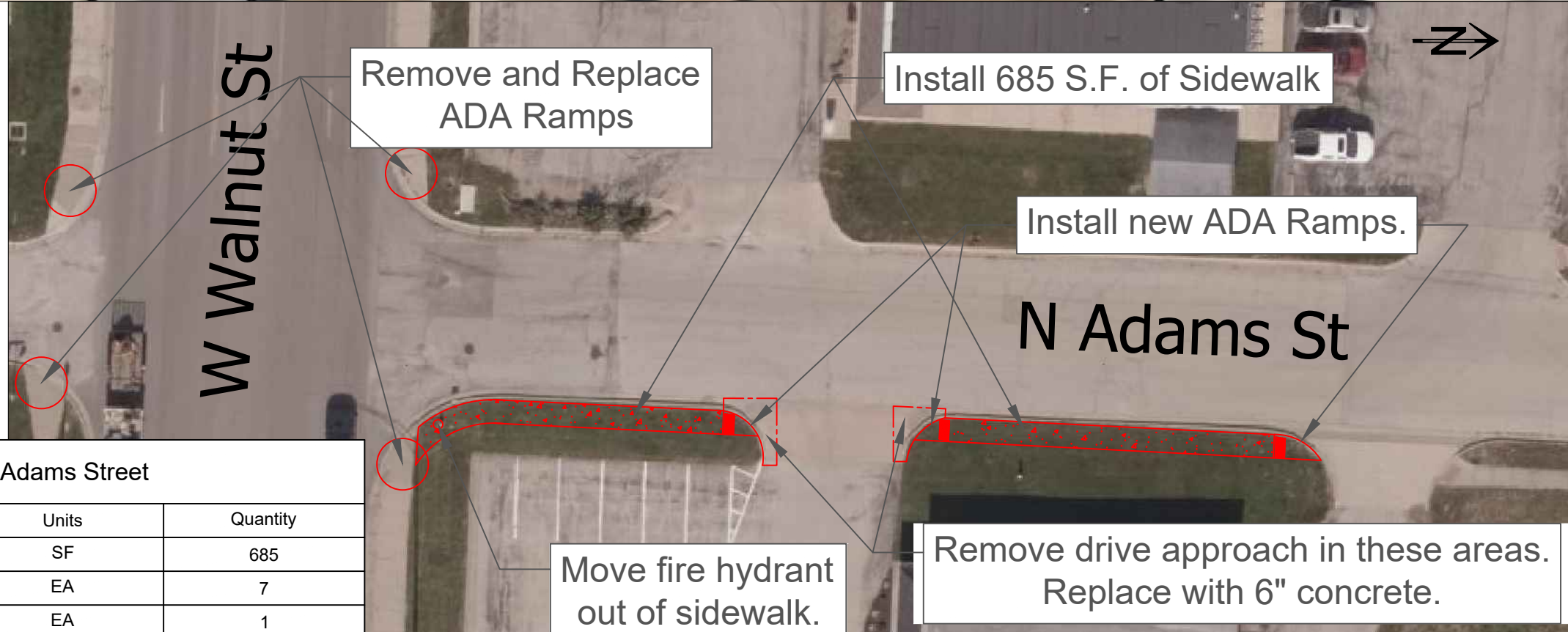
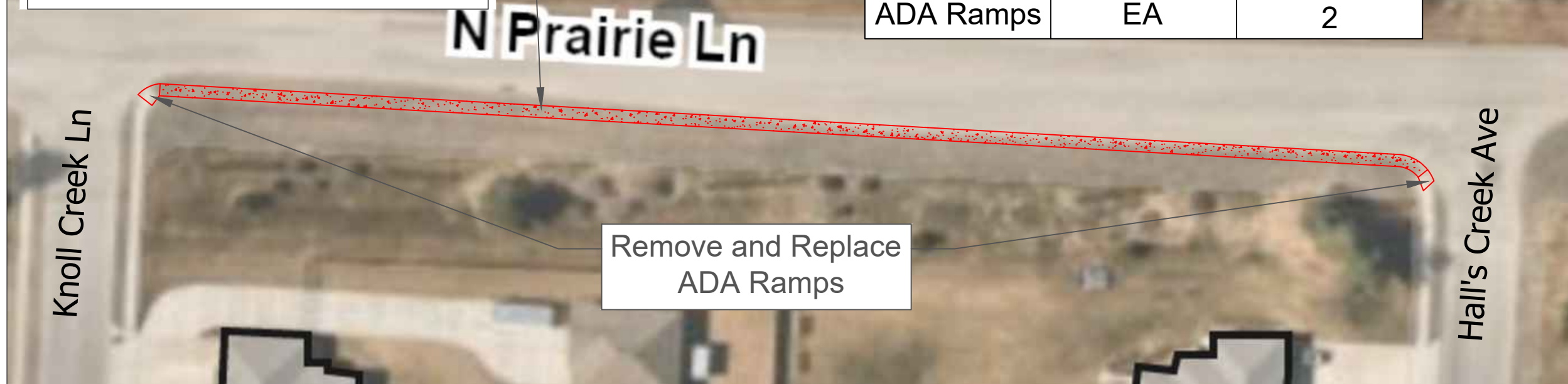
Project Name and Address  
Fox Ridge Dr  
Old Paint Rd to Old Mill Rd

Project	Sheet
Date 5/14/2021	6
Scale 1"=40'	



Install 2632 S.F. of sidewalk in a straight line from ramp to ramp. Sidewalk will follow BOC on the North end.

N Prairie Lane		
Item	Units	Quantity
5' Sidewalk	SF	2633
ADA Ramps	EA	2



N Adams Street		
Item	Units	Quantity
5' Sidewalk	SF	685
ADA Ramps	EA	7
R&R Fire Hydrant	EA	1

General Notes

Engineer Stamp

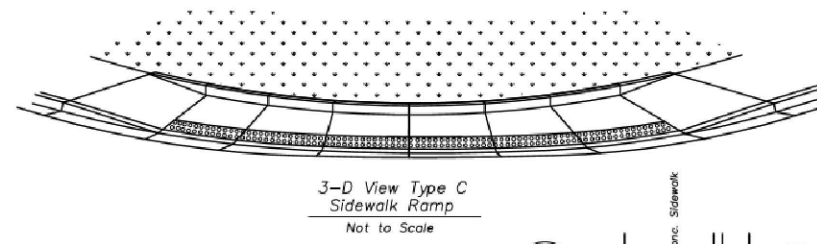
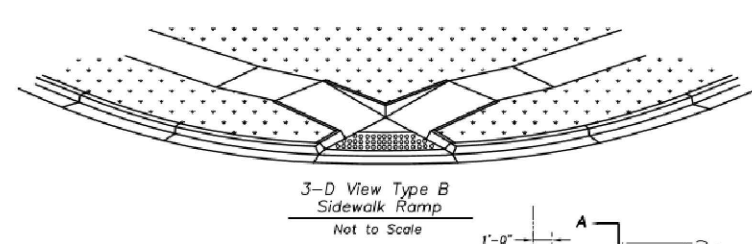
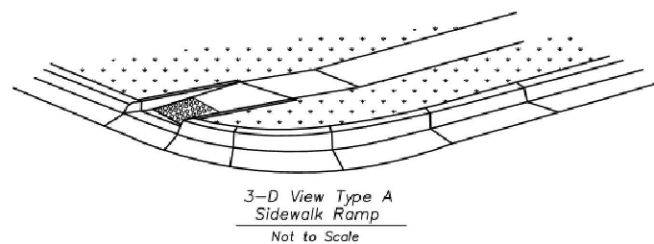
SIDEWALK PLAN

No.	Revision/Issue	Date

**RAYMORE**  
come home to more

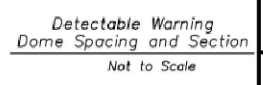
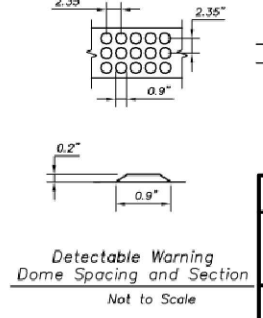
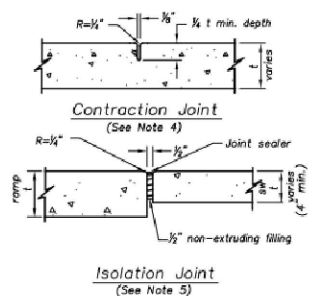
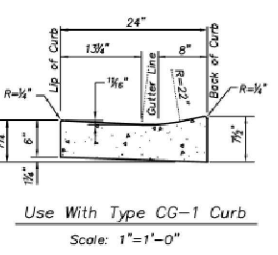
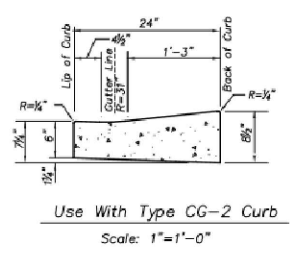
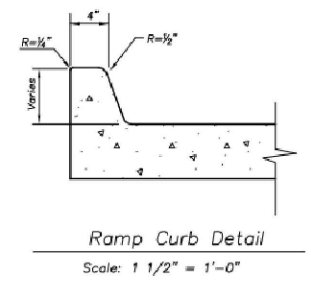
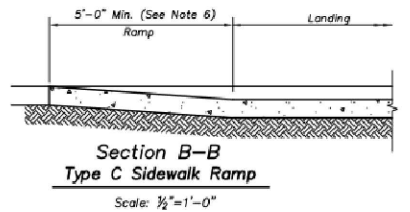
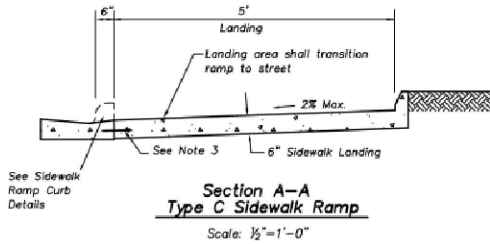
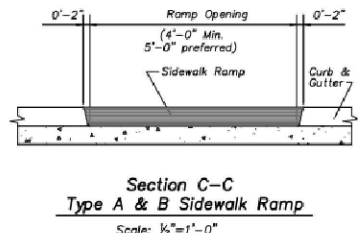
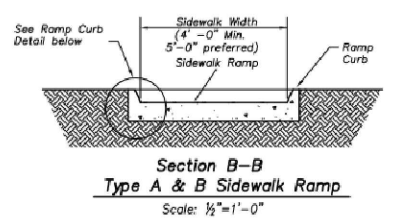
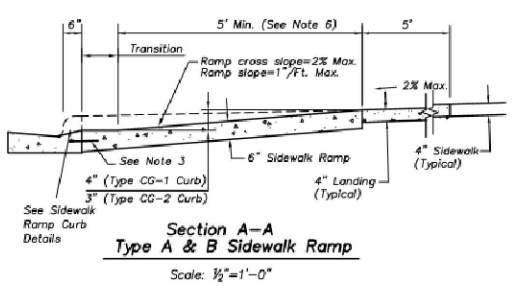
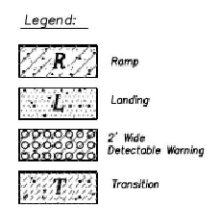
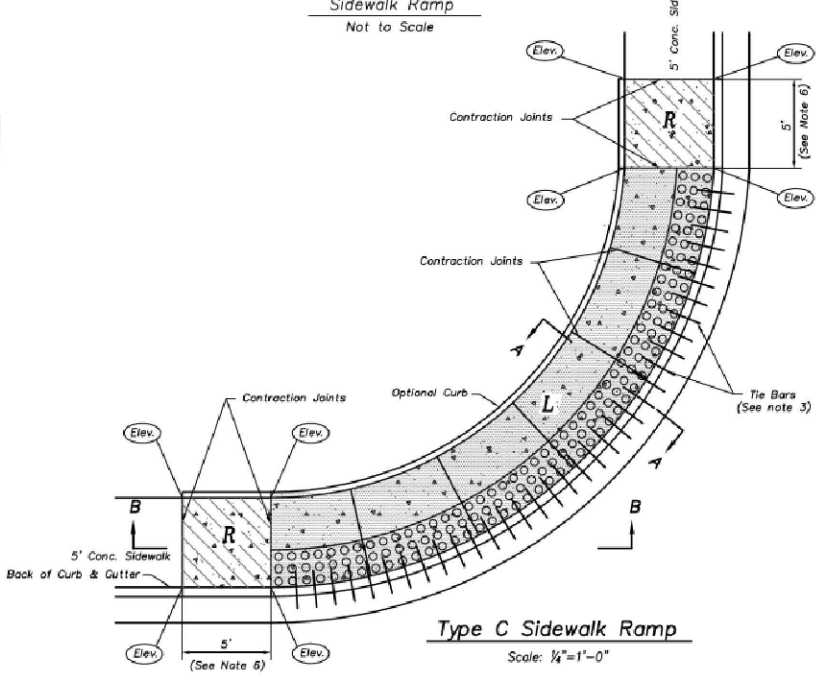
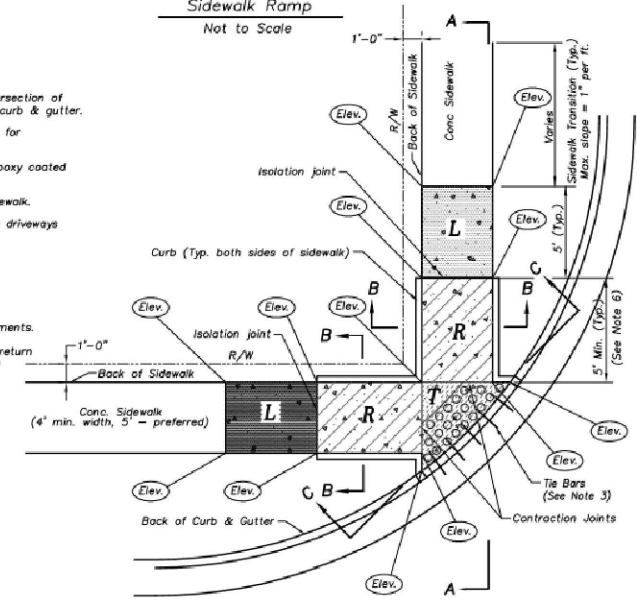
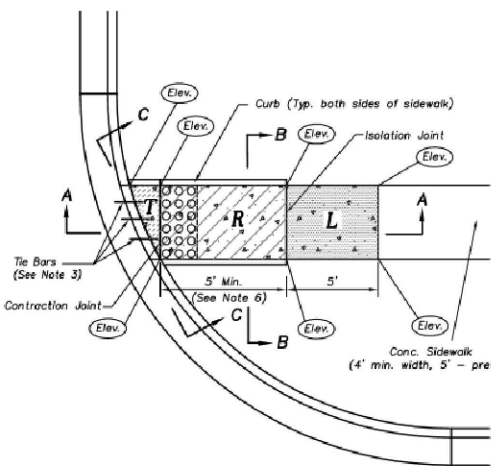
**Project Name and Address**  
Prairie Ln  
Knoll Creek Ln to Halls Creek Ave  
N Adams St @ W Walnut St

<b>Project</b>	<b>Sheet</b>
Date 5/14/2021	7
Scale 1" = 40'	



**Sidewalk Ramp Notes:**

1. Sidewalk ramp location determined from the intersection of the extension of back of sidewalk and back of curb & gutter.
2. Plan drawings shall include a table of elevations for all points labeled as (Elev.).
3. Key all construction joints or use tie bars #4 epoxy coated @ 12" o.c.
4. Longitudinal joint spacing to match width of sidewalk.
5. Isolation joints shall be placed where walk abuts driveways and similar structures, and 250' centers max.
6. Sidewalk Ramp shall be lengthened to provide ADA compliance slope but need not exceed 15'.
7. ADA maximum ramp slope = 1"/ft. ADA maximum cross slope = 2%.
8. Detectable warnings to comply with ADA requirements.
9. Landing for Type C ramp along the entire curb return is preferred, but may be shortened to minimum ADA compliant dimension.



**AMERICAN PUBLIC WORKS ASSOCIATION**  
KANSAS CITY METROPOLITAN CHAPTER  
STANDARD DRAWING NUMBER SW-1 ADOPTED DECEMBER 18, 2002

General Notes

Engineer Stamp

**APWA RAMP DETAILS**

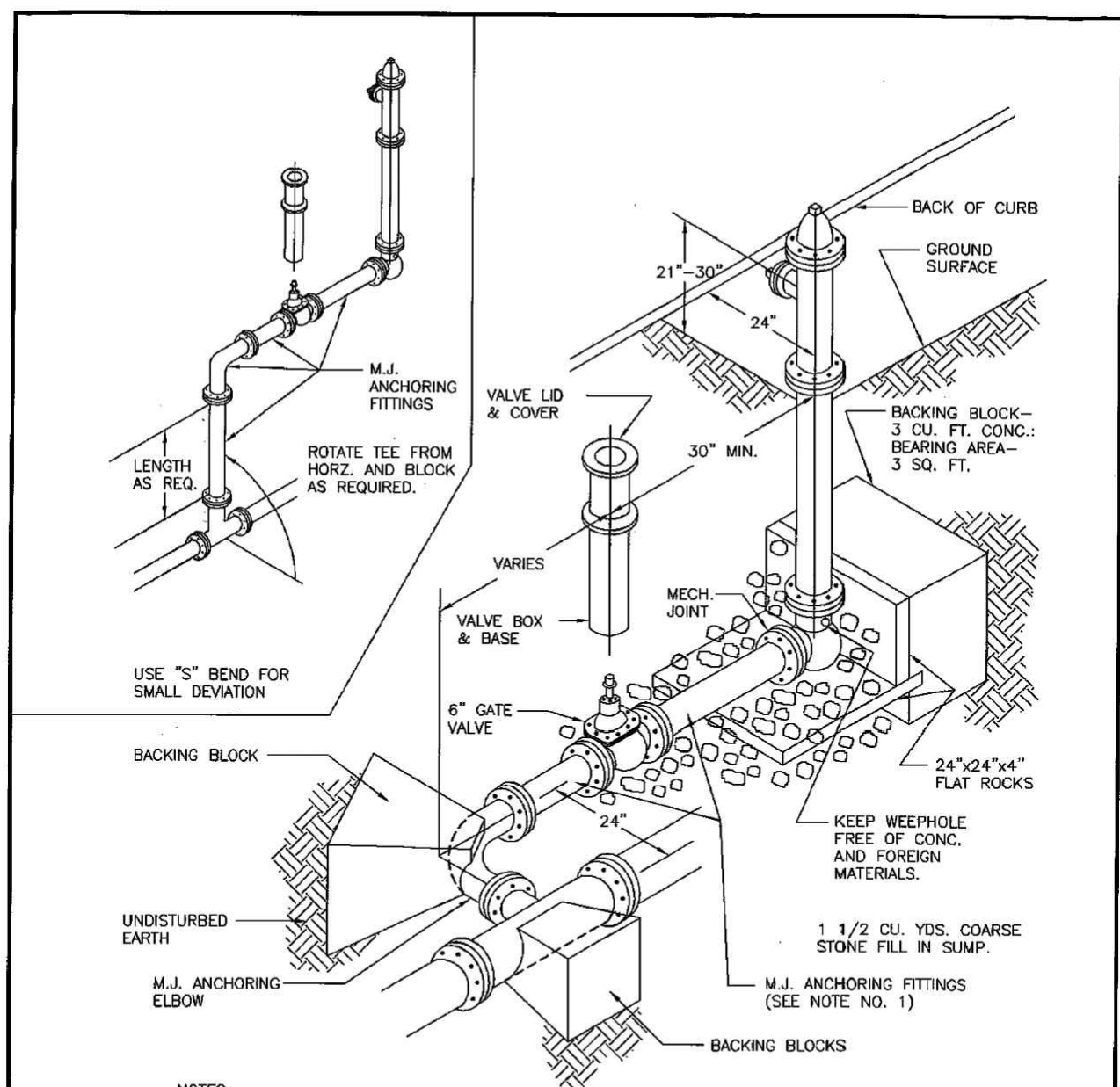
No.	Revision/Issue	Date



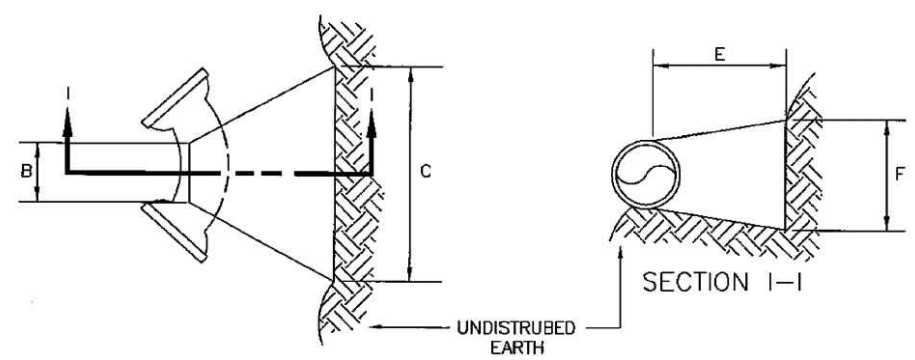
Project Name and Address  
Johnston Drive Sidewalk  
Dean Ave. to Darrowby Dr.

Project	Sheet
Date 5/14/2021	8
Scale NTS	





NOTES:  
 1. ALL FIRE HYDRANTS SHALL BE INSTALLED USING MEGALUG STYLE FITTINGS.  
 2. VALVE BOX AND BASE ARE TO BE DUCTILE IRON.  
 3. ALL HYDRANTS SHALL BE CLOW MEDALLION, KENNEDY "GUARDIAN" or MUELLER "CENTURION".  
 4. ALL HYDRANTS SHALL BE DELIVERED PAINTED SAFETY YELLOW. FIELD PAINTING IS NOT ACCEPTABLE.



NOTES:  
 1. WHEN USING A BEND WITH A DIAMETER NOT COVERED IN THESE CHARTS, A BACKING BLOCK FOR THE NEXT LARGER DIAMETER PIPE WITH THE SAME DEGREE OF BEND SHALL BE USED.  
 2. BACKING BLOCKS FOR PIPING SIZES UP THROUGH 12-INCH ARE BASED ON WORKING PRESSURE OF 225 P.S.I. INCLUDING SURGE.  
 3. BACKING BLOCKS FOR PIPING SIZES 16-INCH THROUGH 24-INCH ARE BASED ON A WORKING PRESSURE OF 200 P.S.I. INCLUDING SURGE.

BENDS	B	C	D	E	F
6" 11 1/4° & 22 1/2°	8"	12"	8"	24"	9"
6" 45°	8"	17"	8"	24"	12"
6" 90°	8"	27"	8"	24"	14"
8" 11 1/4° & 22 1/2°	8"	16"	10"	24"	12"
8" 45°	8"	23"	10"	24"	16"
8" 90°	8"	34"	10"	24"	20"
12" 11 1/4° & 22 1/2°	8"	26"	12"	24"	16"
12" 45°	8"	34"	12"	24"	24"
12" 90°	8"	50"	12"	24"	30"
16" 11 1/4°	8"	20"	16"	24"	16"
16" 22 1/2°	8"	32"	16"	24"	20"
16" 45°	8"	42"	16"	30"	30"
16" 90°	8"	58"	16"	36"	40"
20" 11 1/4°	12"	24"	20"	24"	20"
20" 22 1/2°	12"	42"	20"	30"	24"
20" 45°	12"	54"	20"	36"	36"
20" 90°	12"	75"	20"	42"	48"
24" 11 1/4°	12"	30"	24"	24"	24"
24" 22 1/2°	12"	44"	24"	30"	33"
24" 45°	12"	59"	24"	42"	48"
24" 90°	12"	87"	24"	54"	60"

BEND	CUBIC FEET OF CONCRETE REQUIRED			
	11 1/4°	22 1/2°	45°	90°
6"	1.4	1.4	2.9	3.3
8"	2.1	2.1	3.3	5.5
12"	3.8	3.8	6.5	11.3
16"	3.8	5.6	12.4	25.9
20"	5.4	11.2	23.2	47.2
24"	7.4	15.5	38.4	86.6

Engineering Department  
 City of Raymore  
 100 Municipal Circle  
 Raymore, MO 64083  
 816-331-1852 Fax 816-331-8067

**CITY OF RAYMORE**  
 TYPICAL HYDRANT INSTALLATION  
 WITH 90° BEND (TYPE "A")  
 SIZE A FSCM NO. DWG NO. Wtr- 1 REV  
 SCALE NONE SHEET 1 OF 1

PLANNING & ENGINEERING  
 100 MUNICIPAL CIRCLE  
 RAYMORE, MO 64083  
 (816)331-0488  
 FAX (816)331-8067

DRAWN Modified 2013 DATE  
 CHECKED  
 APPROVED

**CITY OF RAYMORE**  
 TYPICAL BACKING BLOCKS  
 FOR BENDS  
 SIZE A FSCM NO. DWG NO. Wtr - 3 REV  
 SCALE NONE SHEET 1 OF 1

General Notes  
 Engineer Stamp

Fire Hydrant and  
 Thrust Block Detail

No.	Revision/Issue	Date



Project Name and Address  
 Project  
 Date 5/14/2021  
 Scale 1"=80'  
 Sheet 9