| | | INDEX OF SHEETS |
|---|------------|--|
| | No. | DESCRIPTION |
| Α | Sheets | Title Sheets |
| | A.1 | Title Sheet |
| | A.2 | Location Map Sheet |
| | A.3 - 5 | Concept |
| | A.6 - 7 | Field Exam Notes |
| В | Sheets | Typical Cross Sections and Details |
| | B.1 - 2 | Typical Cross Sections and Details |
| D | Sheets | Mainline Plan and Profile Sheets |
| | * D.1 | Plan & Profile Legend & Symbol Information Sheet |
| | * D.2 - 3 | US 69 |
| G | Sheets | Survey Sheets |
| _ | G.1 | Survey Information |
| ш | Sheets | Right-of-Way Sheets |
| п | * H.1 - 3 | US 69 |
| _ | | |
| J | Sheets | Traffic Control and Staging Sheets |
| | J.1 - 3 | Traffic Control Plan |
| S | Sheets | Sidewalk Sheets |
| | * S.1 | Sidewalk Legend & Symbol Information Sheet |
| | * S.2 - 14 | Sidewalk Plan Sheets & Tabulations |
| U | Sheets | 500 Series, Mod.Stds. and Detail Sheets |
| | U.1 - 3 | Removal Detail Sheets |
| | | |
| | | * Color Plan Sheets |



PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM PCC SIDEWALK/TRAIL

SCALES: As Noted

HWY 69 CITY OF BELMOND

Refer to the Proposal Form for list of applicable specifications.

/alue Engineering Saves. Refer to Article 1105.14 of the Specifications.



REVISIONS

| | 37 |
|----------------------------|------|
| PROJECT IDENTIFICATION NUM | MBER |
| 23-99-069-020 | |
| PROJECT NUMBER | |
| STPN-069-7(048)2J-99 | |
| R.O.W. PROJECT NUMBER | } |
| STPN-069-7(049)2J-99 | |
| | |

Attendance:

Mike Ross - Iowa DOT Ashton Johnson - Iowa DOT Jason Ruter - Iowa DOT Ron Reichter - Iowa DOT Justin Fournier - City of Belmond Tanner Clevenger - WHKS & Co. Chase Holien - WHKS & Co.

| | MILEAGE SUMMAR | ₹Y | 105-1 09-27-94 |
|------|--|----------|-------------------|
| Div. | Location | Lin. Ft. | Miles |
| | STPN-069-7(048)2J-99 River Ave (US 69) Sta. 409+62.41 to 426+23.70 | 1661.29 | 0.315 |



Subject to change by final design.

D2 PLAN - Date: 10/6/2023

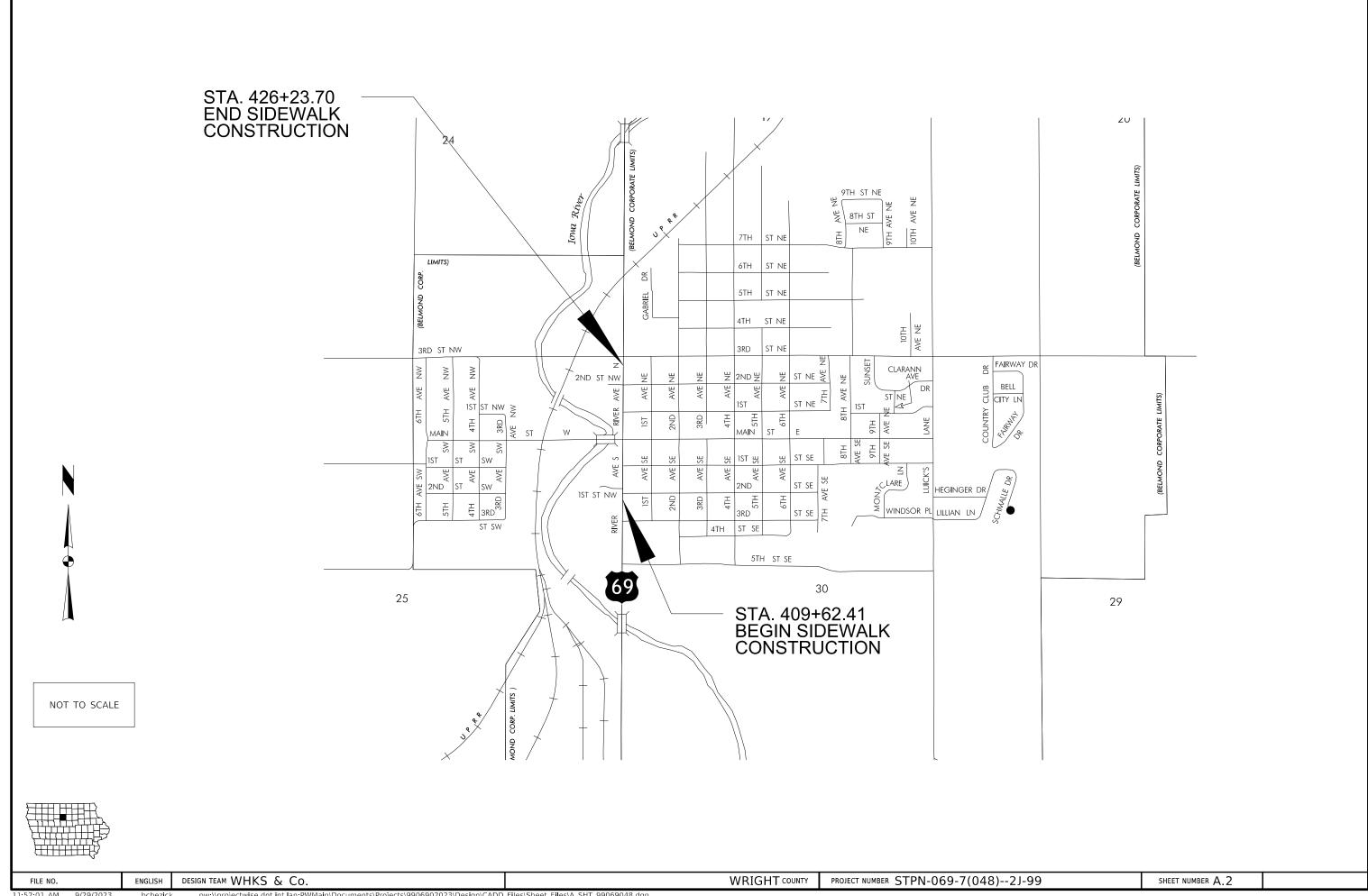
SHEET NUMBER A.1



DESIGN TEAM WHKS & Co.

WRIGHT COUNTY

PROJECT NUMBER STPN-069-7(048)--2J-99



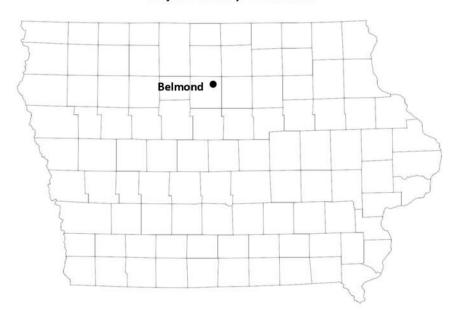
D00 - FINAL PROJECT CONCEPT STATEMENT

ADA ACCESSIBLE SIDEWALKS

City of Belmond Wright County, Iowa In the City of Belmond

Project Code: 23-99-069-020 Phase #: STPN-069-7(048)--2J-99 ROW #: STPN-069-7(049)--2J-99

Project Directory: 6600901023



Prepared By:
Iowa Department of Transportation
Office of Design
Methods / ADA Section / Mike Ross
Ames, Iowa



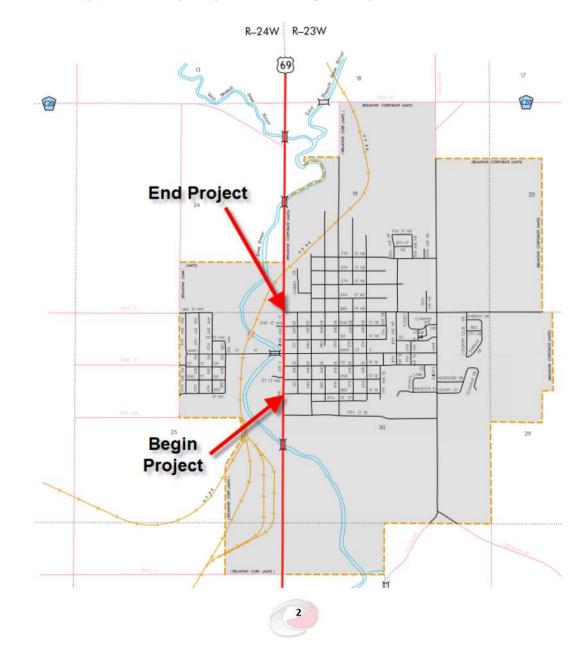
STPN-069-7(048)--2J-99 Wright County – City of Belmond Project Code: 23-99-069-020

I. GENERAL

A. Project Description

This ADA sidewalk project involves the installation and/or replacement of curb ramps and sidewalk along Highway 69. The project limits as shown on the Project Location Map below.

B. Project Location Map - City of Belmond, Wright County, Iowa



FILE NO. ENGLISH DESIGN TEAM WHKS & CO. WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99 SHEET NUMBER A.3

STPN-069-7(048)--2J-99 Wright County – City of Belmond Project Code: 23-99-069-020 STPN-069-7(048)--2J-99 Wright County – City of Belmond Project Code: 23-99-069-020

Need for Project

The need for this project is to ensure that sidewalks and sidewalk ramps located adjacent to U.S. and State highway routes are in compliance with the requirements of Title II of the Americans with Disabilities Act (ADA) of 1990. These locations have been identified as being non-compliant with ADA requirements for various reasons.

The Iowa DOT Design Manual requires that, "Whenever alterations are made to the pedestrian circulation path, the pedestrian access route shall be made accessible to the maximum extent feasible within the scope of the project." Chapter 12A-2, Accessible Sidewalk Requirements, provides detailed guidance regarding when sidewalks shall be made ADA compliant.

C. Temporary Easements

It is anticipated that temporary construction easements will be obtained for most, if not all, parcels adjacent to the sidewalk construction areas. Typically, 5 feet of easement will be acquired behind the ROW line which is usually the back edge of the sidewalk. Easements larger than 5 feet may be needed if a greater change of sidewalk elevation is required. The Office of Design, ADA Section and the project consultant will coordinate with the public regarding the need for and location of the easements. This will include residential and business access to affected residences and businesses during construction. The Office of Design, ADA Section and the project consultant will coordinate with the IA DOT Office of Right of Way to obtain the easements from the property owners prior to the start of construction.

Additional Property info can be found here: property info docs

D. Construction Sequence

The Office of Design, ADA Section will oversee this project with assistance from the assigned District RCE construction staff. The consultant that developed the construction plans will also perform inspection services during the construction phase.

Construction Staging Note 108-26A is included in the plans stating that "The Contractor shall only be permitted to have 4 continuous blocks under construction at one time..." The intent of this note is to encourage steady progress towards the completion of the project by the contractor and minimize disruption to the community.



II. CONCEPT

A. Scope

This ADA sidewalk project involves the installation and/or replacement of sidewalk ramps and sidewalk along Highway 69. Drainage will always need to be considered when designing the sidewalk or the curb and gutter. Parcel info is in the Projectwise directory.

1. Concept in Google Earth:

The following link(s) connects to a Google Earth (.kmz) file showing the proposed concept for the ADA sidewalk improvements:

ADA Belmond 69 Sidewalk.kml

Details of the specific improvement and some photos will be shown by clicking on the line work within Google Earth. The line colors are as follows:

| LE | GEND: Line | Colors |
|----|------------|----------------|
| | Red | Ramps |
| | Yellow | Curb |
| | Brown | Sidewalk, 4" |
| | Orange | Sidewalk, 6" |
| | Blue | Driveway |
| | Green | Retaining Wall |

2. Other Considerations

| Right of Way: | Approximately 22 parcels along Hwy 69 these will require Temporary Easement. |
|------------------|--|
| Traffic Control: | May be required for intermittent lane closures. |
| City Agreements: | None expected for ADA work at this time. |
| Railroads: | No crossings within the ADA work. |
| Other Projects: | This ADA work is included in the 3R (HMA) project number shown. |

Utilities are not expected to be affected by ADA work.



STPN-069-7(048)--2J-99 Wright County - City of Belmond Project Code: 23-99-069-020 STPN-069-7(048)--2J-99 Wright County - City of Belmond Project Code: 23-99-069-020

B. Schedule

This project is currently scheduled for a December 2024 Letting date with the proposed construction to be completed in 2025. The schedule from Masterworks is below:

| Task Na | am Description | Start | Finish | Project Phase : |
|---------|--------------------------------------|------------|------------|----------------------|
| D00 | Pre-Design Concept | 10/04/2022 | 12/02/2022 | STPN-069-7(048)2J-99 |
| TE0 | Desktop Review | 10/18/2022 | 01/20/2023 | STPN-069-7(048)2J-99 |
| U00 | Preliminary Utility Review | 12/22/2022 | 01/20/2023 | STPN-069-7(048)2J-99 |
| W00 | Preliminary Wetland Review | 10/18/2022 | 01/20/2023 | STPN-069-7(048)2J-99 |
| D01 | Survey Plan and Photogrammetry (DTM) | 02/15/2023 | 06/16/2023 | STPN-069-7(048)2J-99 |
| D02 | Design Field Exam | 07/07/2023 | 10/06/2023 | STPN-069-7(048)2J-99 |
| H00 | Cultural Resources Assessment | 08/15/2023 | 11/17/2023 | STPN-069-7(048)2J-99 |
| D05 | Plans to Right Of Way | 09/29/2023 | 12/29/2023 | STPN-069-7(048)2J-99 |
| R03 | Right Of Way Negotiation | 12/13/2023 | 06/28/2024 | STPN-069-7(049)2J-99 |
| DM5 | Design Methods Turn-In | 08/27/2024 | 08/27/2024 | STPN-069-7(048)2J-99 |
| R04 | Right Of Way Acquisition | 07/11/2024 | 08/30/2024 | STPN-069-7(049)2J-99 |
| D09 | Final Miscellaneous Plans | 07/02/2024 | 10/01/2024 | STPN-069-7(048)2J-99 |
| L04 | Letting-Miscellaneous | 12/17/2024 | 12/17/2024 | STPN-069-7(048)2J-99 |
| C02 | Construction Period (Field Work) | 12/18/2024 | 08/22/2025 | STPN-069-7(048)2J-99 |
| | | | | |
| | | | | |

C. Cost Estimate

\$324,575.19 – D00 Construction Cost Estimate Highway 69 (for ADA-work only):

| Item Number | Item Description | Units | Quantity | Cost Used | Suggested Cost | Line Total Esti |
|--------------|--|--------------|-------------|-------------|----------------|-----------------|
| Roadway Iten | ns | | | | SubTotal: | \$324,575.19 |
| 2102-2713090 | EXCAVATION, CL 13, WASTE | CY | 28.600 | \$41.19 | \$41.19 | \$1,178.15 |
| 2213-6745500 | RMVL OF CURB | STA | 3.010 | \$1,425.20 | \$1,425.20 | \$4,289.84 |
| 2315-8275030 | SURF, DRIVEWAY, CL C GRAVEL | TON | 10.000 | \$50.00 | \$50.00 | \$500.00 |
| 2511-6745900 | RMVL OF SIDEWALK | SY | 1,289.000 | \$10.88 | \$10.88 | \$14,022.64 |
| 2511-7526004 | SIDEWALK, PCC, 4° | SY | 397.300 | \$53.27 | \$53.27 | \$21,164.45 |
| 2511-7526006 | SIDEWALK, PCC, 6° | SY | 766.700 | \$70.74 | \$70.74 | \$54,238.20 |
| 2511-7526008 | SIDEWALK, PCC, 8° | SY | 125.000 | \$66.95 | \$66.95 | \$8,368.14 |
| 2511-7528101 | DETECTABLE WARNING | SF | 120.000 | \$57.29 | \$57.29 | \$6,875.16 |
| 2512-1725256 | CURB+GUTTER, PCC, 2.5' | LF | 301.000 | \$42.51 | \$42.51 | \$12,795.39 |
| 2515-2475008 | DRIVEWAY, PCC, 6* | SY | 760.600 | \$64.08 | \$64.08 | \$48,739.86 |
| 2515-2475008 | DRIVEWAY, PCC, 8" | SY | 73.400 | \$80.01 | \$80.01 | \$5,872.98 |
| 2515-6745600 | RMVL OF PAVED DRIVEWAY | SY | 65.500 | \$13,60 | \$13.60 | \$890.75 |
| 2516-8625000 | COMBINED CONC SIDEWALK+RETAINING | CY | | \$0.00 | \$0.00 | \$0.00 |
| 2524-6765010 | WALL RMV+REINSTALL SIGN | EA | 10.000 | \$346.39 | \$346.39 | \$3,463.94 |
| 2526-8285000 | CONSTRUCTION SURVEY | LS | 1.000 | \$5,128.29 | 1.58 % | \$5,128.29 |
| 2528-8445110 | TRAFFIC CONTROL | LS | 1.000 | \$4,122.10 | 1.27 % | \$4,122.10 |
| 2528-8445110 | TRAFFIC CONTROL | LS | 1.000 | \$4,122.10 | 1.27 % | \$4,122.10 |
| 2528-8445113 | FLAGGER | EA | 1.000 | \$539.73 | \$539.73 | \$539.73 |
| 2533-4980005 | MOBILIZATION | LS | 1.000 | \$16,910.37 | 5.21 % | \$16,910.37 |
| 2554-0205650 | WATER SERV CURB STOP, CVR ONLY | EA | 10.000 | \$45.50 | \$45.50 | \$454.96 |
| 2601-2634105 | MULCH, BONDED FIBER MATRIX | ACRE | 1.000 | \$3,585.18 | \$3,585.18 | \$3,585.18 |
| 2601-2636044 | SEED+FERTILIZE (URBAN) | ACRE | 0.500 | \$2,083.29 | \$2,083.29 | \$1,041.85 |
| 2601-2642120 | STABILIZE CROP - SEED+FERTILIZE (URBAN) | ACRE | 0.500 | \$1,473.21 | \$1,473.21 | \$736.60 |
| 2602-0000309 | PERIMETER+SLOPE SEDIMENT CNTL | LF | 2,200.000 | \$2.64 | \$2.64 | \$5,798.54 |
| 2602-0000350 | DEVICE, 9" RMVL OF PERIMETER+SLOPE SEDIMNT | LF | 2,200.000 | \$0.39 | \$0.39 | \$847.22 |
| 2602-0010010 | MOBILIZATION, EROSION CONTROL | EA | 1.000 | \$505,68 | \$505.68 | \$505.68 |
| 2602-0010020 | MOBILIZATION, EMERGENCY EROSION CONTROL | EA | 1.000 | \$1,010.71 | \$1,010.71 | \$1,010.71 |
| PCT-999 | UNQUANTIFIED | % of Project | 324,575.190 | 30.00 % | 0.00 % | \$97,372.56 |
| | 1 | | | - ! | | |
| | Item Description | Units | Quantity | Contillant | Suggested Cost | Line TotalE |

| Item Number | Item Description | Units | Quantity | Cost Used | Suggested Cost | Line Total |
|---|------------------|-------|----------|-----------|----------------|--------------|
| Maria 11 11 11 11 11 11 11 11 11 11 11 11 11 | | 4. | | ** | Total: | \$324,575.19 |





FIELD EXAM NOTES

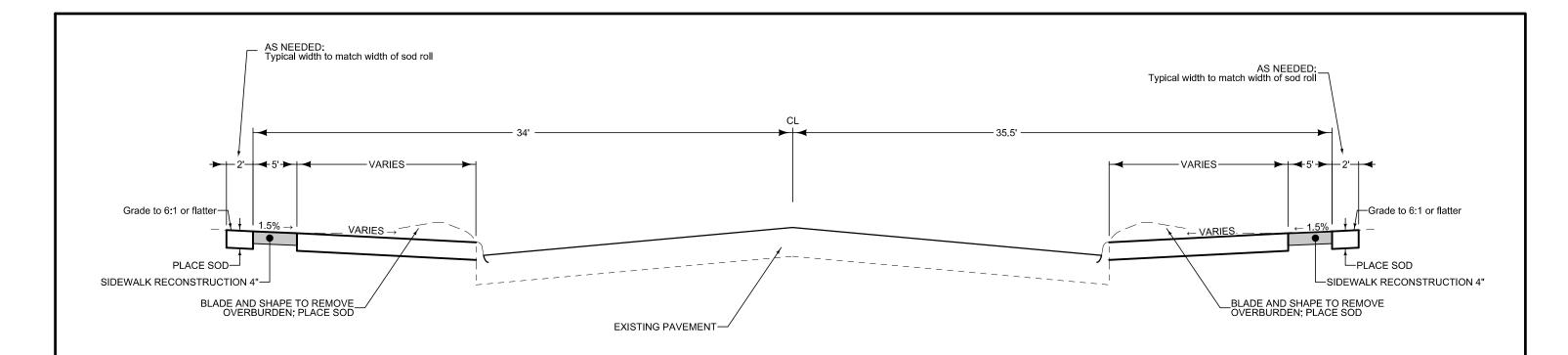
- Have been unable to obtain parcel linework and high resolution aerial photo from the County. Does DOT have a way to obtain these files?

Have received these since initially submitting these plans

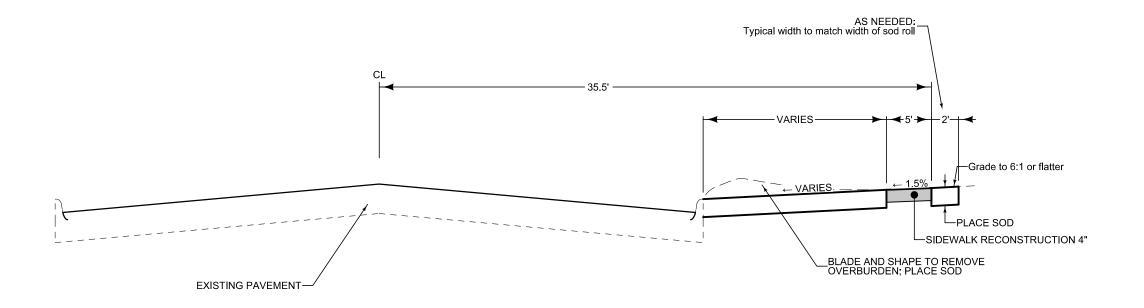
Do not do anything with traffic signals or push buttons at the Main Street intersection. Build sidewalk so the existing push buttons can be used, but don't want to install or upgrade anything with the traffic signals.

We need everything for the Right of Way documents (signatures, forms, etc.) before the DM5 submittal

FIELD EXAM NOTES DESIGN TEAM WHKS & CO. WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99 SHEET NUMBER A.7

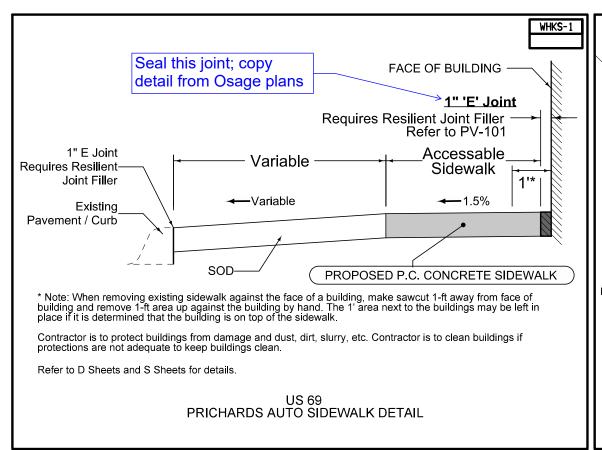


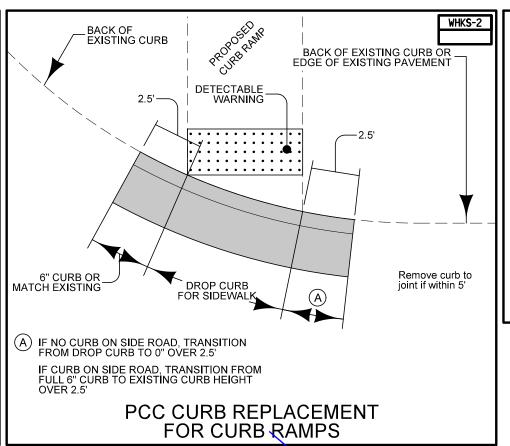
SIDEWALK RECONSTRUCTION CROSS SECTION STATION 409+62 TO STATION 418+63

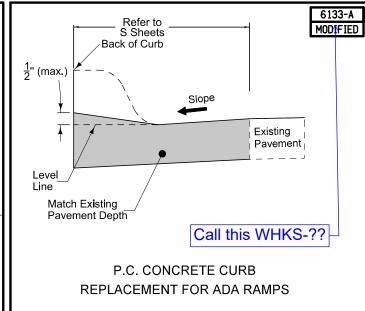


SIDEWALK RECONSTRUCTION CROSS SECTION STATION 418+63 TO STATION 426+24

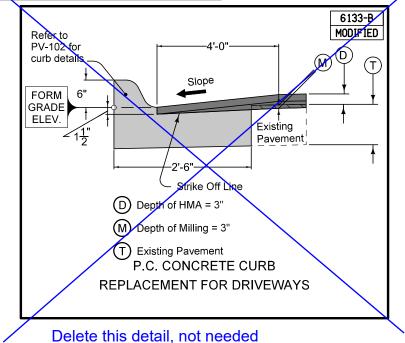
US 69 (RIVER AVENUE S.)







SHEET NUMBER B.2



| PLA | N AI | E W | 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 | n Color | No. | |
| Lavender | (9) | | Temporary Pavement Shading | |
| Yellow | (4) | | Proposed Pavement Shading | |
| Orange | (6) | | Proposed Granular Shading | |
| Orange | (70) | | Proposed Shoulder Granular Shading | |
| Yellow | (68) | | Proposed Shoulder Paved Full Depth Shading | |
| Yellow | (132) | | Proposed Shoulder Paved Partial Depth Shading | |
| Gray, Dark | (112) | | Proposed Grade and Pave Shading "In conjunction with a paving project" | |
| Brown, Light | (236) | | Grading Shading | |
| Orange, Light | (134) | | Proposed Granular Entrance Shading | |
| Yellow | (220) | | Proposed Paved Entrance Shading | |
| Tan | (8) | | Proposed Sidewalk Shading | |
| Blue, Light | (230) | | Proposed Sidewalk Landing Shading | |
| Pink | (11) | | Proposed Sidewalk Ramp Shading | |
| Green, Light | (225) | | Existing Pavement Shading | |
| Red | (3) | | Proposed Structure Shading | |
| Red | (3) | | Delineates Restricted Areas | |

| PRO | FILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS |
|-------------|---|
| LINEWORK | Design Color No. |
| Green | (10) Existing Ground Line Profile |
| Blue | (1) Proposed Profile and Annotation |
| Magenta | (5) Existing Utilities |
| Blue, Light | (230) Proposed Ditch Grades, Left |
| Black | (0) Proposed Ditch Grades, Median |
| Rust | (14) Proposed Ditch Grades, Right |

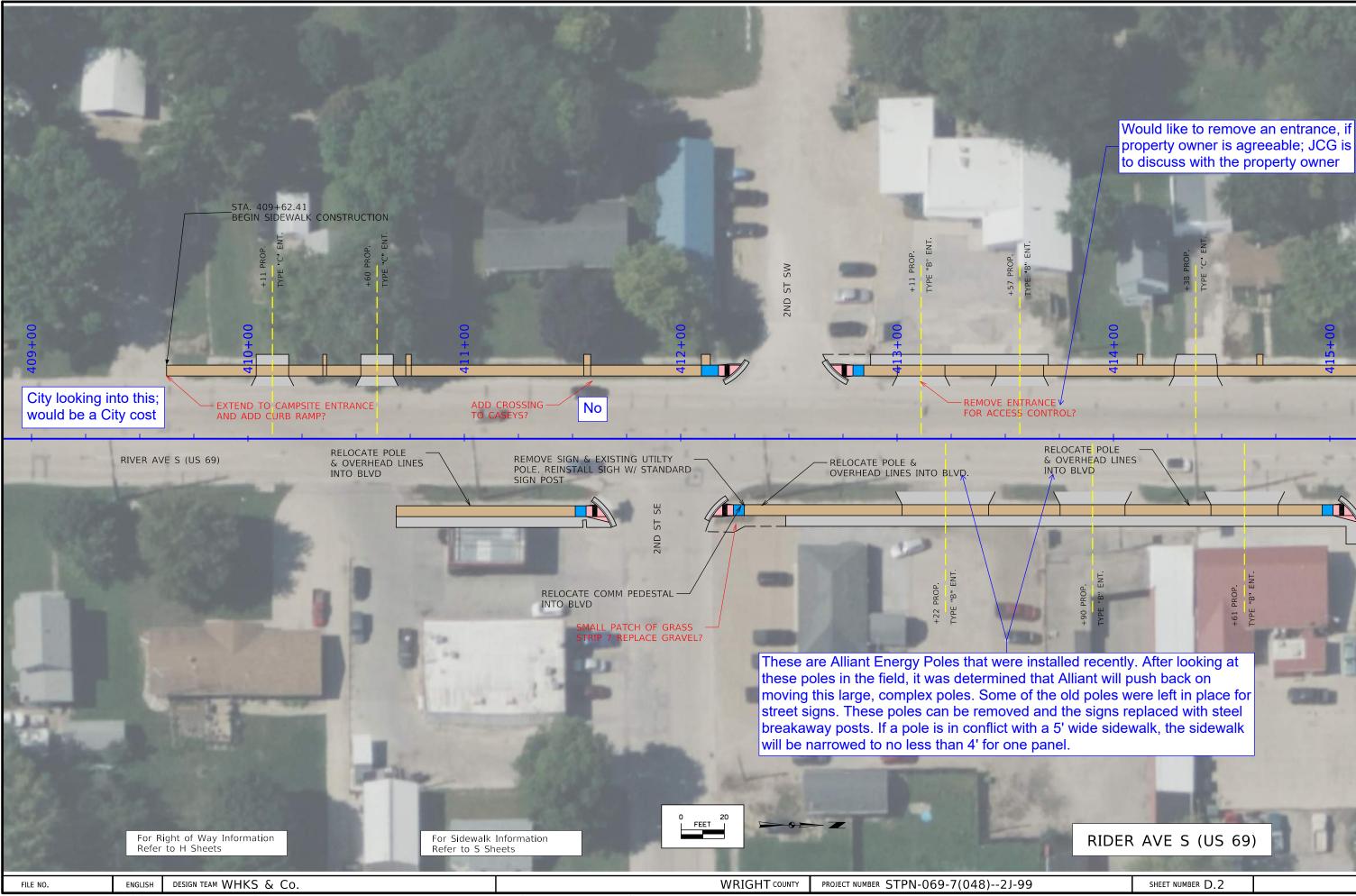


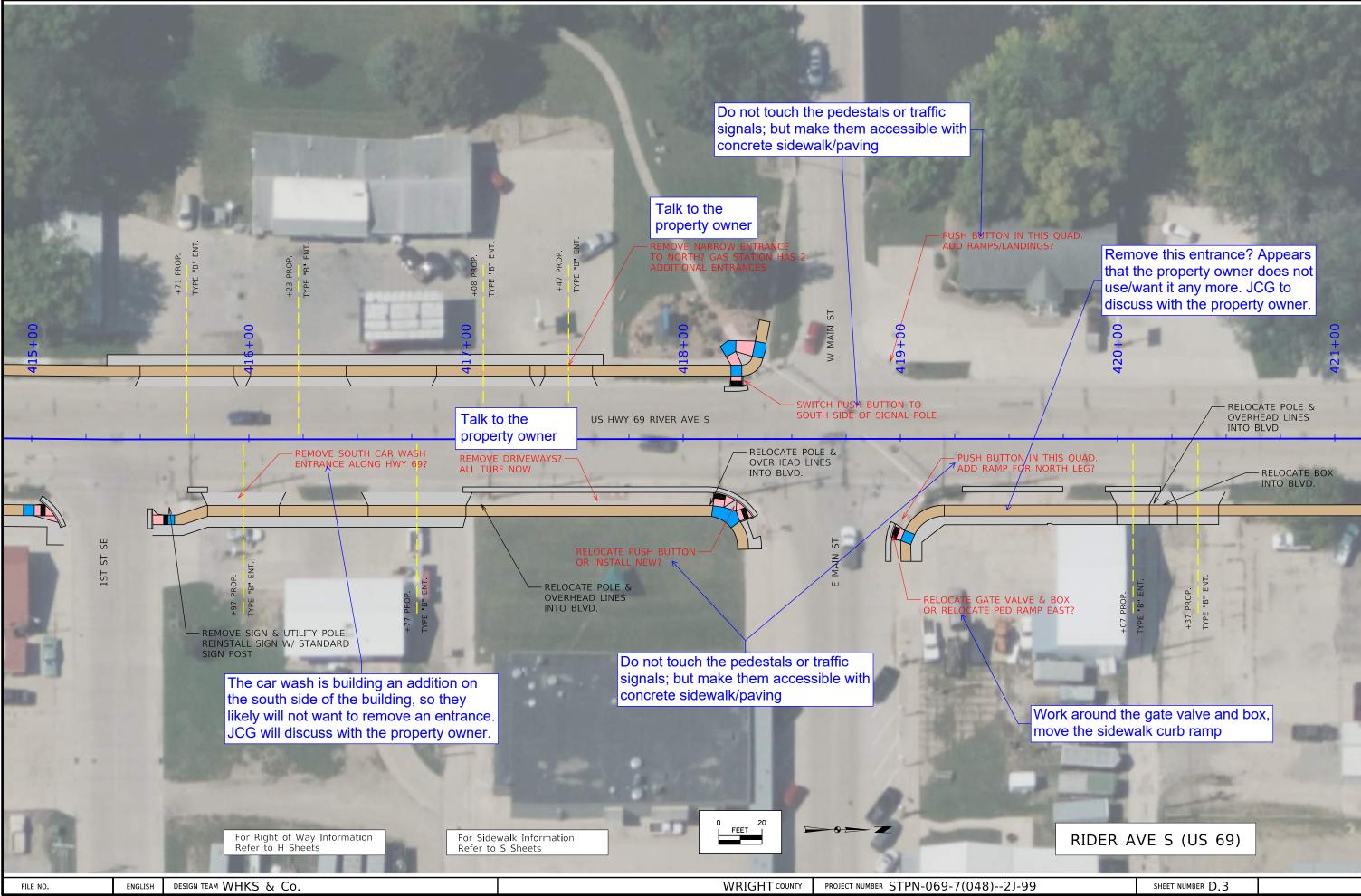
PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

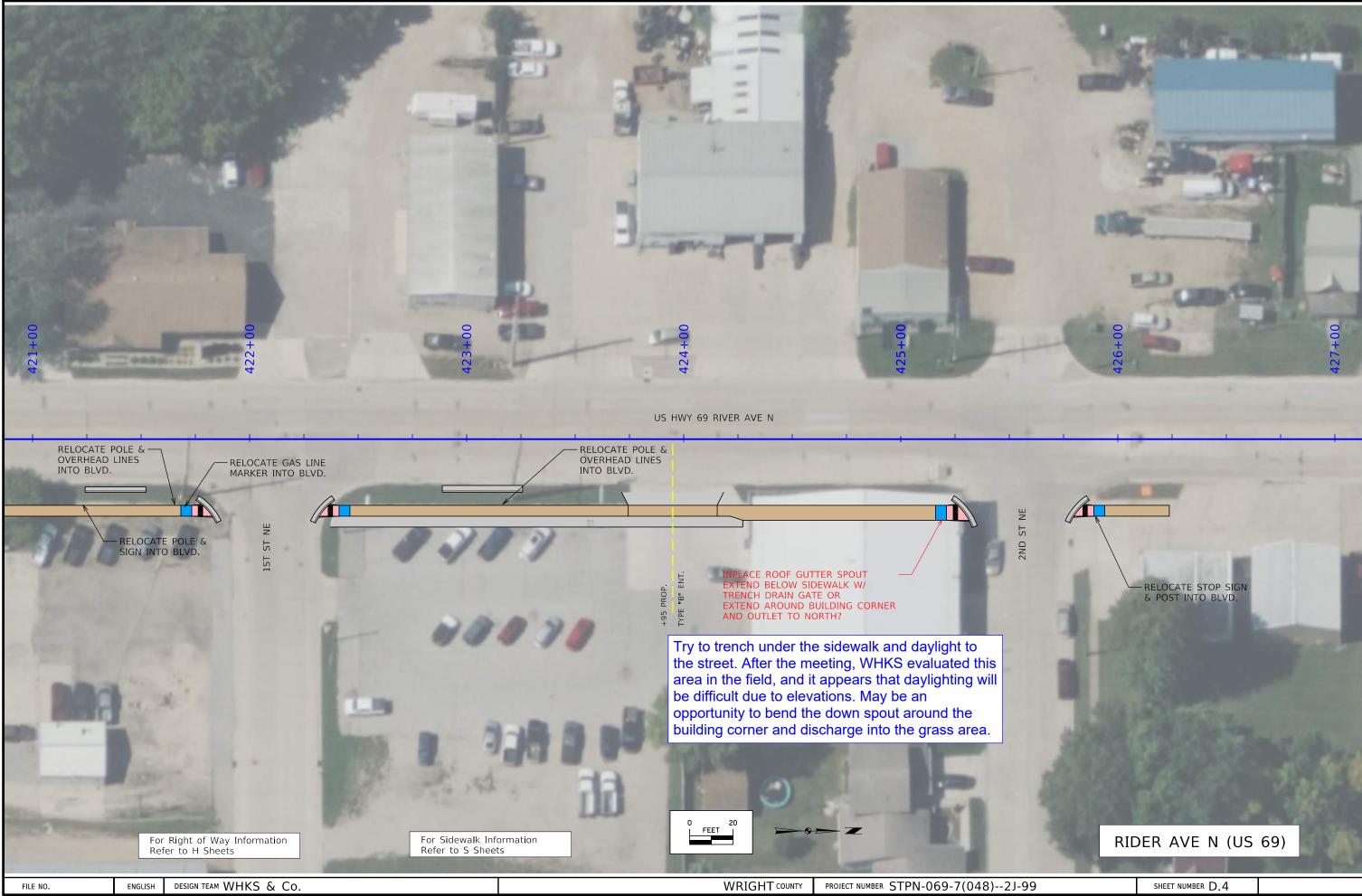
(COVERS SHEET SERIES D, E, F, & K)

SHEET NUMBER D. 1

FILE NO. ENGLISH DESIGN TEAM WHKS & CO. WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99







Survey Information County: Wright

Project Number: STPN-069-7(048)--2J-99 Location: In Belmond (ADA - District 2) Type of Work: PCC Sidewalk/Trail

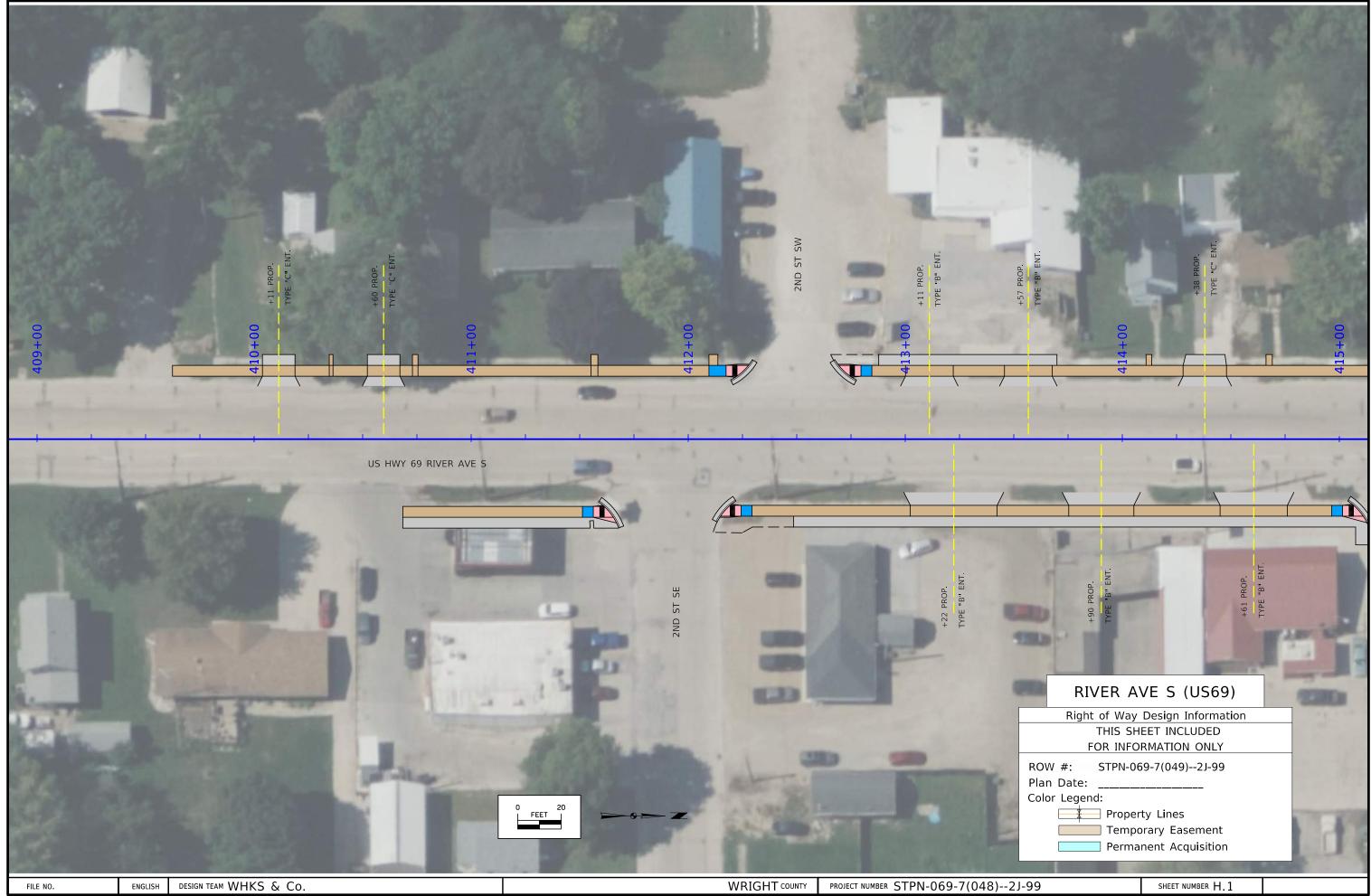
NOTE: The information included in this sheet is to enable locating ADA horizontal only stake points. Any other use of this information exceeds the intent of it. This information is provided to promote the efficient use of the Iowa Real-Time Network (IaRTN) with Global Navigation Satellite System (GNSS)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

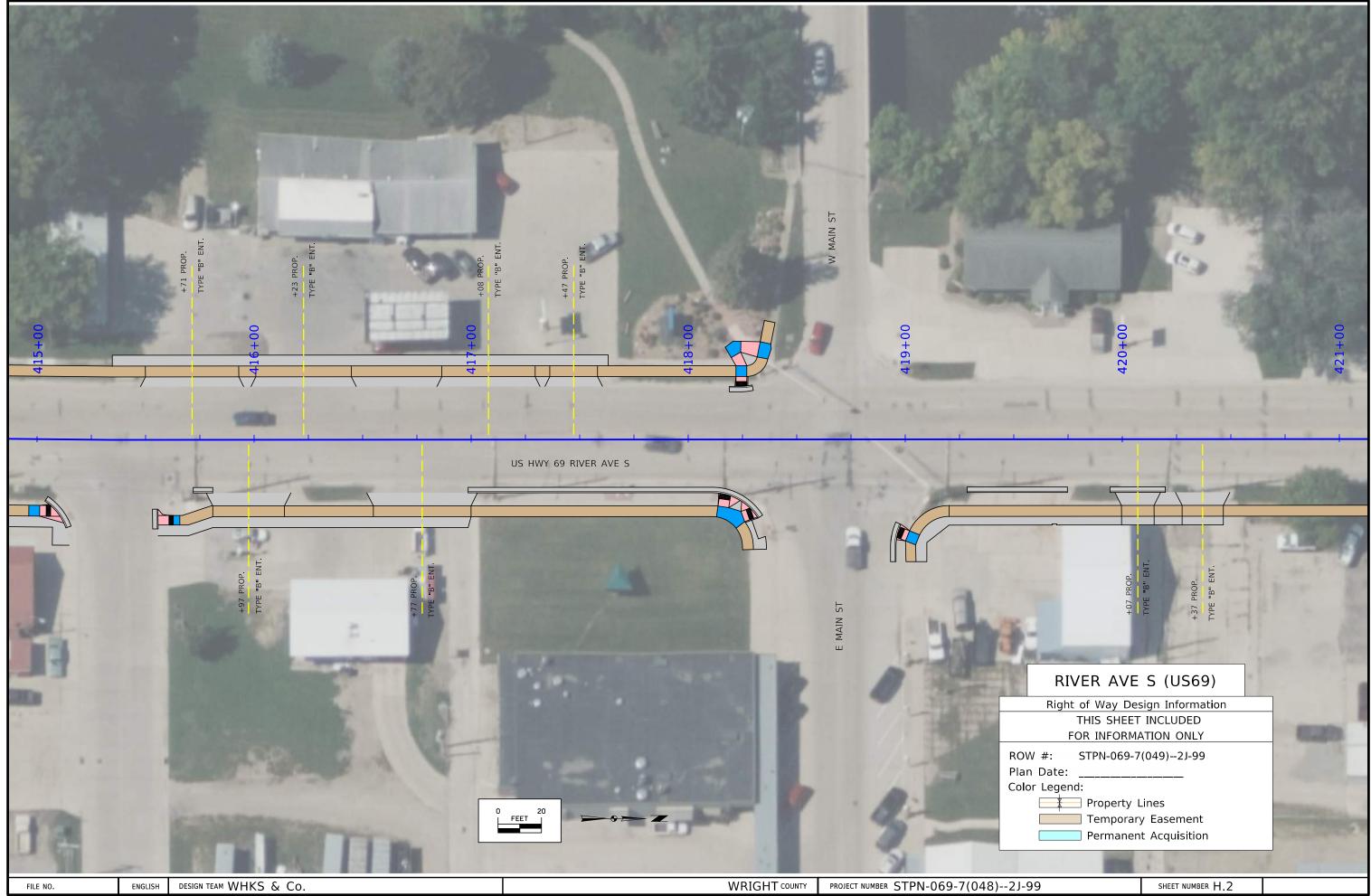
The project datum for this survey is NAD83(2011) for Epoch 2010.00 (laRTN 2019 Adjustment). The geographic coordinate system used to perform the pre-design survey is Iowa Regional Coordinate System Zone 04 (U.S. Survey Foot). This coordinate system was used for design and must be configured into GNSS equipment to stake points for this project. Two local marks were used during the pre-design survey to validate GNSS equipment results. These marks can be used to validate results while staking design points.

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

Validation Point 011 Description IaRCS ZONE 04 N=8722615.337 E=14826104.56

Validation Point 020 Description **IaRCS ZONE 04** N=8706212.878 E=14826783.89







108_23A 8/15/22

TRAFFIC CONTROL PLAN

Through traffic along US 69 shall be maintained on the project at all times using Standard Road Plans TC-1, TC-402, and TC-419. A minimum of two lanes (one in each direction)

shall be maintained during construction.

- 1. Traffic lanes and sidewalks shall be left open as much as possible during the entire project.
- 2. Pedestrian routes shall be closed during construction. Sidewalks must be closed per Standard Specifications Section 2518 and 2528,

as well as Standard Road Plan TC-601. Payment for sidewalk closures shall be incidental to the Traffic Control

3. The Contractor shall maintain all current traffic control conditions with temporary signage, as required, until permanent signage has

been reinstalled.

4. The Contractor shall coordinate sidewalk closures with property owners and stage closures to provide access.

coordinate with businesses adjacent to sidewalk replacements and stage those closures to provide access during business hours.

5. The Contractor shall provide temporary business access while sidewalk is removed in front of doors. These

incidental to the Traffic Control bid item. Temporary business access surface shall be firm, stable, and slip resistant.

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

WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99 FILE NO. ENGLISH DESIGN TEAM SHEET NUMBER J.1 WHKS and Company

STAGING NOTES

- 1. The project shall be staged to minimize inconvenience to vehicular and pedestrian traffic.
- 2. The Contractor shall supply a staging plan to the Iowa DOT prior to the Preconstruction Meeting for approval and review by the City of Belmond.
- 3. The Contractor shall not deviate from approved staging plan without approval from the Resident Construction Engineer.
- 4. Work shall be staged such that two adjacent side streets are not closed at the same time.
- 5. Work shall be staged to meet the requirements of the Traffic Control Plan.
- 6. The Contractor must coordinate or arrange for all mail delivery and garbage removals from all residences and businesses impacted. Arrangements must be satisfactory to the USPS and garbage disposal provider. This will not require the installation of temporary mail boxes, but access to the permanent mail boxes shall be maintained at all times.
- 7. Contractor shall be permitted to have only 4 continuous blocks under construction at a time, these may include:
- One block of sidewalk being excavated and removed; PCC will be replaced within 10 working days of being removed
- One block of sidewalk being prepared for pouring, preparing of subgrade, and forming
- One block of sidewalk being replaced
- One block of sidewalk being finished, including seeding and soil preparation
- 8. The Contractor shall maintain access to all businesses during construction at all times, unless an agreement has been reached between the Contractor and business owner prior to starting work adjacent to the property. The Contractor must notify all businesses 3 business days prior to construction beginning in front of the business.
- 9. Special requirements for the Contractor have been requested for the following parcels: None at this time.

Belmond has an annual 4th of July festival; this will be noted in the plans that the Contractor must work coordinate with the City for this event

WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99 ENGLISH DESIGN TEAM FILE NO. WHKS and Company

111_01 10/14/22

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Type of Work Project None Provided

WRIGHT COUNTY PROJECT NUMBER STPN-069-7(048)--2J-99 SHEET NUMBER J.3 FILE NO. ENGLISH DESIGN TEAM WHKS and Company

| PLA | N 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) V/// 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 |

RIGHT-OF-WAY LEGEND A Proposed Right-of-Way Existing and Proposed Right-of-Way Easement and Existing Right-of-Way Borrow C Easement (Temporary) Easement X Excess A/C Access Control

SIDEWALK LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES S)

FILE NO. ENGLISH DESIGN TEAM



