ADDENDUM #3

Project Name:
DOC ICIW Tunnel Infill
DAS# 9541.00
RFB 954100-01
Addendum #3
Dated: August 31, 2026

This Addendum forms a part of the bidding and contract documents. This Addendum supersedes and supplements all portions of the original bidding and contract specifications dated August 14, 2026 and drawings dated July 22, 2026 with which it conflicts.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

1) CLARIFICATIONS

A. Flowable Fill/Mortar requirements have been amended to provide separate options for contractor. Refer to revised requirements included in the Construction Drawings – see attachment below.

B. Correction to Construction Procurement contact information. Email should be construction.procurement@das.iowa.gov.

C. See updated bidding schedule reflecting:

1. Notice of Intent to Award – 09/04/2026 – 09/09/2026
2. Intended Date of Commencement – 09/21/2026
3. Substantial Completion – 11/30/2026

2) PLANS

A. Drawing Sheet C.6

1. Flowable Fill and Flowable Mortar

a. **REVISE** Flowable Fill - Controlled Low-Strength Material (CLSM) and Flowable Mortar – Low Density Cellular Concrete (LDCC) requirements separated for clarity.

B. Drawing Sheets C.2, C.3, C.4 & C.7

1. Tunnel Lid Inside Secured Perimeter Clarification

a. **REVISE** Cap location and the Tunnel Cap/ Fill with Flowable Mortar Note 6 on sheet C.7.

3) QUESTIONS AND CLARIFICATIONS

A. The following questions were received during the in person pre-bid meeting held on August 20th, 2026:

1. Roughly how deep is the tunnel?

   a. Tunnel is roughly 6' deep, it shall be the responsibility of the contractor to verify all existing dimensions prior to commencing construction.

2. Was testing done to determine if there is any Asbestos materials?

   a. A report from Terracon was included in the Project Manual section 00 3126.

3. Does the contractor need to account for winter conditions?

   a. We anticipate the project being completed before winter conditions hit but ultimately winter conditions will be the contractor's responsibility.

4. Can there be a temporary gate placed within a section of the perimeter fence?

   a. No. Limited access to the tunnel located within the secured perimeter. Options are to work over/above the fence or travel through the wagon gate.

5. Is there on site storage for equipment, materials, spoils, etc?

   a. Yes. Coordinate intended staging areas for spoils, equipment, materials, etc with Samuels Group & the facility for review & approval. No ability to lock up storage; if that is required contractor will need to provide their own lockable storage container.

6. For the tunnel removal portion, is an entire tunnel removal required before filling it in, including side walls and the tunnel floor, or just the top of the tunnel itself?

   a. Yes the entire tunnel including top, side walls and bottom/floor need to be removed before backfilling & sodding.

7. Has the facility considered leaving the MEPs abandoned in place?

   a. The facility wants to remove what they can entirely to create fresh green space for any future projects.

8. Has the facility considered filling the section of the tunnel intended to be removed entirely with flowable fill?

    a. The facility wants to remove what they can entirely to create fresh green space for any future projects.

4) SUBSTITUTION REQUESTS

A. None.

5) ATTACHMENTS

A. See list of attendees for the Pre-Bid Meeting attached below.

B. See updated bidding schedule with corrections attached below.

C. See updated sheets C.2, C.3, C.4, C.6 & C.7 attached below.

END OF ADDENDUM #3

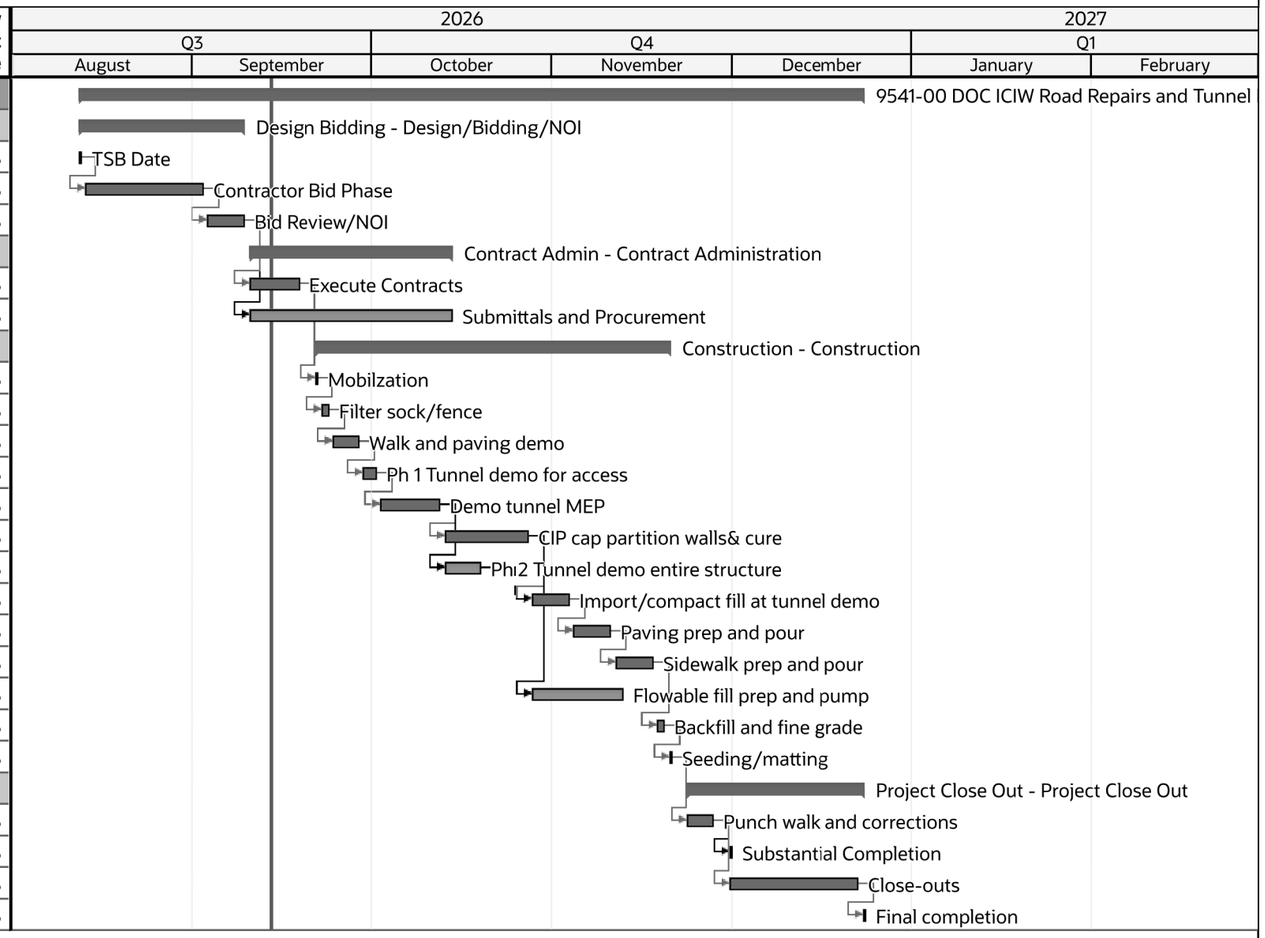
Samuels Group
Design
Construct
Furnish

PROJECT NAME: 9541.00 DAS DOC ICIW TUNNEL INFILL
MEETING LOCATION: 420 MILLS ST SW, MITCHELLVILLE, IOWA 50169
MEETING TYPE: PRE-BID MEETING #1
DATE AND TIME: 08/20/2026 – 10:00AM

Contact Person	Company Name	Phone Number	Email Address
CHRIS GREEN	C GREEN CONTRACTING, INC	515-480-2905	CHRIS@CGREENCONA.COM
Kent Reimers	Hawkeye Paving Corp	563-349-2118	Kent@Hawkeyepaving.com
NICK RIPLEY	IOWA CIVIL CORP	515.557-0759	NICKR@IOWACIVIL.COM
Tyler Jensen	Snyder & Associates	515-422-4439	tjensen@snyder-associates.com
Damir Pajazetović	DS Timeless Transborder	515-371-6240	Damirp@ds-time.com
Samir Zukaj	DS timeless transport	515-745-9803	Samilz@ds-time.com
Justin Schiermeister	Orchard, Inc.	515-322-9722	preconstruction@orchardine.build
JON JORGENSEN	MIDWEST POLY TANK	515 238 0212	mjorgensene midwestpolytank.com
Nels Westvold	ICIW	515-725-5029	nels.westvold@iowa.gov
Adam Owen	ICIW	515 725 5013	adam.owen@iowa.gov
Brandon Adams	DAS	515-201-2197	brandon.adams@das.iowa.gov

9541.00 DOC ICIW Tunnel Infill

Name	Pla... Du...	Start	Finish	Actual Start	Actual Finish	Activity Percent Complete
9541-00 DOC ICIW Road Repairs a...	96d	12-Aug-26	23-Dec-26			
Design Bidding - Design/Bidding...	21d	12-Aug-26	09-Sep-26			
TSB Date	1d	12-Aug-26	12-Aug-26			0.00%
Contractor Bid Phase	15d	13-Aug-26	02-Sep-26			0.00%
Bid Review/NOI	5d	03-Sep-26	09-Sep-26			0.00%
Contract Admin - Contract Admini...	25d	10-Sep-26	14-Oct-26			
Execute Contracts	7d	10-Sep-26	18-Sep-26			0.00%
Submittals and Procurement	25d	10-Sep-26	14-Oct-26			0.00%
Construction - Construction	45d	21-Sep-26	20-Nov-26			
Mobilzation	1d	21-Sep-26	21-Sep-26			0.00%
Filter sock/fence	2d	22-Sep-26	23-Sep-26			0.00%
Walk and paving demo	3d	24-Sep-26	28-Sep-26			0.00%
Ph 1 Tunnel demo for access	3d	29-Sep-26	01-Oct-26			0.00%
Demo tunnel MEP	7d	02-Oct-26	12-Oct-26			0.00%
CIP cap partition walls& cure	11d	13-Oct-26	27-Oct-26			0.00%
Ph 2 Tunnel demo entire structure	5d	13-Oct-26	19-Oct-26			0.00%
Import/compact fill at tunnel demo	5d	28-Oct-26	03-Nov-26			0.00%
Paving prep and pour	5d	04-Nov-26	10-Nov-26			0.00%
Sidewalk prep and pour	5d	11-Nov-26	17-Nov-26			0.00%
Flowable fill prep and pump	12d	28-Oct-26	12-Nov-26			0.00%
Backfill and fine grade	2d	18-Nov-26	19-Nov-26			0.00%
Seeding/matting	1d	20-Nov-26	20-Nov-26			0.00%
Project Close Out - Project Close ...	23d	23-Nov-26	23-Dec-26			
Punch walk and corrections	5d	23-Nov-26	27-Nov-26			0.00%
Substantial Completion	1d	30-Nov-26	30-Nov-26			0.00%
Close-outs	17d	30-Nov-26	22-Dec-26			0.00%
Final completion	1d	23-Dec-26	23-Dec-26			0.00%



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LEGEND

Features	Existing	Proposed
Spot Elevation	93.0	+93.0
Contour Elevation	93	93
Fence (Barbed, Field, Hog)	—x—x—	—x—x—
Fence (Chain Link)	—//—//—	—//—//—
Fence (Wood)	—|—|—	—|—|—
Fence (Silt)	—o—o—	—•—•—
Tree Line		
Tree Stump		
Deciduous Tree \ Shrub		
Coniferous Tree \ Shrub		
Communication	C(*)	C
Overhead Communication	OC(*)	OC
Fiber Optic	FO(*)	FO
Underground Electric	E(*)	E
Overhead Electric	OE(*)	OE
Gas Main with Size	4" G(*)	4" G
High Pressure Gas Main with Size	4" HPG(*)	4" HPG
Water Main with Size	8" W(*)	8" W
Sanitary Sewer with Size	8" S(*)	8" S
Duct Bank	DUCT(*)	
Test Hole Location for SUE w/ID	1	

(*) Denotes the survey quality service level for utilities

	Existing	Proposed
Sanitary Manhole		
Storm Sewer with Size	12" ST	12" ST
Storm Manhole		
Single Storm Sewer Intake		
Double Storm Sewer Intake		
Fire Hydrant		
Fire Hydrant on Building		
Water Main Valve		
Water Service Valve		
Well		
Utility Pole		
Guy Anchor		
Utility Pole with Light		
Utility Pole with Transformer		
Street Light		
Yard Light		
Electric Box	EB	EB
Electric Transformer	E	E
Traffic Sign		
Communication Pedestal	C	C
Communication Manhole	C	C
Communication Handhole	C	C
Fiber Optic Manhole	F	F
Fiber Optic Handhole	FO	FO
Gas Valve	G	G
Gas Manhole	G	G
Gas Apparatus	G	G
Fence Post or Guard Post		
Underground Storage Tank	UST	UST
Above Ground Storage Tank	AST	AST
Sign		
Satellite Dish		
Mailbox		
Soil Boring		

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.

QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.

QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.

QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

IOWA ONE CALL
1-800-292-8989 | 811
www.iowaonecall.com
Know what's below. Call before you dig.

GENERAL NOTES:

1. CONSTRUCTION OF ALL STREET AND UTILITY IMPROVEMENTS SHALL CONFORM TO THE CURRENT EDITION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS).
2. CONTRACTOR TO LOCATE FOR ALL UTILITIES INCLUDING NATURAL GAS, ELECTRIC, AND COMMUNICATIONS AND COORDINATE WORK WITH THE CITY OF MITCHELLVILLE AND OWNER PRIOR TO CONSTRUCTION..
3. NOTIFY UTILITY PROVIDERS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND COORDINATE WITH UTILITY PROVIDERS AS NECESSARY DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION, AND DEPTH OF ALL UTILITIES. PROTECT ALL UTILITY LINES AND STRUCTURES NOT SHOWN FOR REMOVAL OR MODIFICATION. ANY DAMAGES TO UTILITY ITEMS NOT SHOWN FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED TO THE UTILITY OWNER'S SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
4. ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). WHEN CONSTRUCTION ACTIVITIES OBSTRUCT PORTIONS OF THE ROADWAY APPROPRIATE SIGNAGE AND BARRICADES SHALL BE USED.
5. NOTIFY OWNER AND ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO ANY WORK WITHIN THE SECURITY FENCE.
6. IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
7. ALL FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED AND NOTED ACCORDINGLY ON THE AS-BUILT DOCUMENTS. THIS IS CONSIDERED INCIDENTAL TO THE PROJECT.
8. DIMENSIONS, BUILDING LOCATION, UTILITIES AND GRADING OF THIS SITE ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. ANY SUCH CHANGES OR CONFLICTS BETWEEN THIS PLAN AND FIELD CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT VERIFICATION OF ALL SITE IMPROVEMENTS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO LOAD AND TRANSPORT ALL MATERIALS CONSIDERED TO BE UNDESIRABLE TO BE INCORPORATED INTO THE PROJECT TO AN APPROVED OFF-SITE WASTE SITE.
10. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM DEPARTMENT OF CORRECTIONS ROADWAYS, NEIGHBORING STREETS, DRIVEWAYS, AND SIDEWALKS CAUSED BY CONSTRUCTION ACTIVITIES IN A TIMELY MANNER.
11. THE ADJUSTMENT OF ANY EXISTING UTILITY APPURTENANCES TO FINAL GRADE IS CONSIDERED INCIDENTAL TO THE SITE WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ANY EXISTING EROSION CONTROL MEASURES ON SITE AT THE TIME OF CONSTRUCTION. GRADING AND SOIL EROSION CONTROL CODE REQUIREMENTS SHALL BE MET BY CONTRACTOR.
13. PLASTIC IS TO BE PLACED ON FACE OF BUILDINGS TO PROTECT FROM CONCRETE DUST OR SPLATTER. CONTRACTOR TO CLEAN ALL SURFACES FROM CONSTRUCTION DEBRIS.
14. THE CONTRACTOR WILL CONFINE CONSTRUCTION ACTIVITIES TO WITHIN CONSTRUCTION LIMITS UNLESS OTHERWISE AUTHORIZED BY THE OWNER IN WRITING PRIOR TO ACTIVITY.
15. THERE IS NO SURVEY INCLUDED IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR TO MATCH EXISTING ELEVATIONS FOR ALL PAVEMENT AND SURFACE RESTORATION. PROVIDE MINIMUM 1% SLOPE FOR ADEQUATE DRAINAGE UNLESS OTHERWISE SHOWN ON TYPICAL DETAILS.
16. EARTHWORK FILL REQUIRED TO MEET 2.0% CROSS SLOPE ON PAVEMENT AND SIDEWALKS IS INCLUDED IN BID ITEM #2.
17. CONTRACTOR WILL RESTORE ALL SEEDING AND VEGETATION DAMAGED WITHIN THE CONSTRUCTION LIMITS AS PER CONTRACT. ANY VEGETATION OR INFRASTRUCTURE THAT IS DAMAGED BY THE CONTRACTOR OUTSIDE THE CONSTRUCTION LIMITS SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
18. THE TOP SIX INCHES OF ALL DISTURBED AREAS WILL BE FREE OF ROCK AND DEBRIS AND WILL BE SUITABLE FOR THE ESTABLISHMENT OF VEGETATION, SUBJECT TO APPROVAL OF THE OWNER.
19. THE CONTRACTOR IS EXPECTED TO PROVIDE ADEQUATE PERSONNEL AND EQUIPMENT TO PERFORM WORK WITHIN SPECIFIED TIME OF CONSTRUCTION. ONCE WORK WITHIN A SPECIFIED AREA HAS COMMENCED THE CONTRACTOR SHALL PUT FULL AND CONTINUOUS WORKFORCE TO COMPLETE THE AREA AS SOON AS POSSIBLE TO MINIMIZE INCONVENIENCE TO THE OWNER.
20. OWNER TO PROVIDE THIRD PARTY TESTING AGENCY FOR THE PROJECT. CONTRACTOR TO COORDINATE WITH THIRD PARTY AGENCY FOR SCHEDULING TESTING FOR THE PROJECT.

BID ITEMS				
NO.	ITEM CODE	DESCRIPTION	UNITS	QUANTITY
1	2010-D-1	TOPSOIL, ON-SITE, CONTRACTOR FURNISH	70	CY
2	2010-E	EXCAVATION, CLASS 10, CONTRACTOR FURNISH	655	CY
3	2010-G	SUBGRADE PREPARATION	480	SY
4	2010-K-1	~~CAPPING EXISTING TUNNEL~~	3	EA
5	2010-L-1	FLOWABLE MORTAR/FILL (INCLUDING LABOR & MISC.)	1	LS
6	2010-M-1	~~TUNNEL REMOVAL~~	1	LS
7	7010-A	PAVEMENT, PCC, 7"	403	SY
8	7030-A-1	REMOVAL OF PAVEMENT	140	SY
9	7030-E	SIDEWALK, PCC, 4"	14	SY
10	8030-A	TEMPORARY TRAFFIC CONTROL	1	LS
11	9010-B	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, BFM	3,700	SF
12	9040-D-1	FILTER SOCK, 12 INCH	1,200	LF
13	9040-D-2	FILTER SOCK, REMOVAL	1,200	LF
14	11,020-A	MOBILIZATION	1	LS

MARK	REVISION	DATE	BY
1	ADDENDUM 3	08/28/26	

Engineer: TNJ | Checked By: JPG | T-R-S:
Technician: JDS | Date: 08/14/2026 | Sheet C.2
DAS # 9541.00
Project No: 126.0792

DOC ICIW ROAD REPAIR AND TUNNELL INFILL
MITCHELLVILLE, IOWA
GENERAL INFORMATION

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 126.0792
Sheet C.2

KEYED NOTES

1. EXISTING LIGHTING AND ELECTRICAL
   - A. PROTECT LIGHT POLE
2. EXISTING SEWER
   - A. PROTECT INTAKES
3. MISCELLANEOUS
   - A. PROTECT BUILDING
   - B. PROTECT SIDEWALK
   - C. PROTECT PAVEMENT
   - D. PROTECT FENCE
   - E. REMOVE WOOD POST
   - F. PROTECT EXISTING CURB AND GUTTER
   - G. REFER TO SHEET C.6 FOR DRILLING DETAILS FOR TUNNEL ACCESS HOLE FOR FLOWABLE MORTAR/FILL.
   - H. FINAL LOCATION OF ORANGE SAFETY FENCE TO BE DETERMINED IN THE FIELD WITH OWNER AND ENGINEER.
   - I. TUNNEL REMOVAL LIMITS TO BE 5' FROM EDGE OF SECURITY FENCE PAVEMENT.
   - J. TOTAL TUNNEL INFILL WITH FLOWABLE MORTAR/FILL IS APPROXIMATELY 81 LF. CONTRACTOR TO FIELD VERIFY BEFORE COMMENCING WORK.
   - K. TOTAL TUNNEL REMOVAL IS APPROXIMATELY 223 LF. CONTRACTOR TO FIELD VERIFY PRIOR TO REMOVAL.
   - L. REMOVE TUNNEL TO APPROXIMATELY 5 FEET FROM BUILDING WALL.
   - M. REMOVE TUNNEL MANHOLE. INCIDENTAL TO TUNNEL REMOVAL.
   - N. REMOVE 30"x30" TUNNEL ACCESS. INCIDENTAL TO TUNNEL REMOVAL.

LEGEND

- PAVEMENT REMOVAL (HMA AND PCC)
- TUNNEL REMOVAL
- TUNNEL INFILL WITH FLOWABLE MORTAR/FILL
- FULL DEPTH SAW CUT
- ORANGE SAFETY FENCE (CONSTRUCTION LIMITS)

MARK	REVISION	DATE	BY
1	ADDENDUM 3	08/28/26	

Engineer: TNJ | Checked By: JPG | T-R-S:
Technician: JDS | Date: 08/14/2026

DAS # 9541.00
Project No: 126.0792

Sheet C.3

DOC ICIW ROAD REPAIR AND TUNNELL INFILL

REMOVAL PLAN

MITCHELLVILLE, IOWA

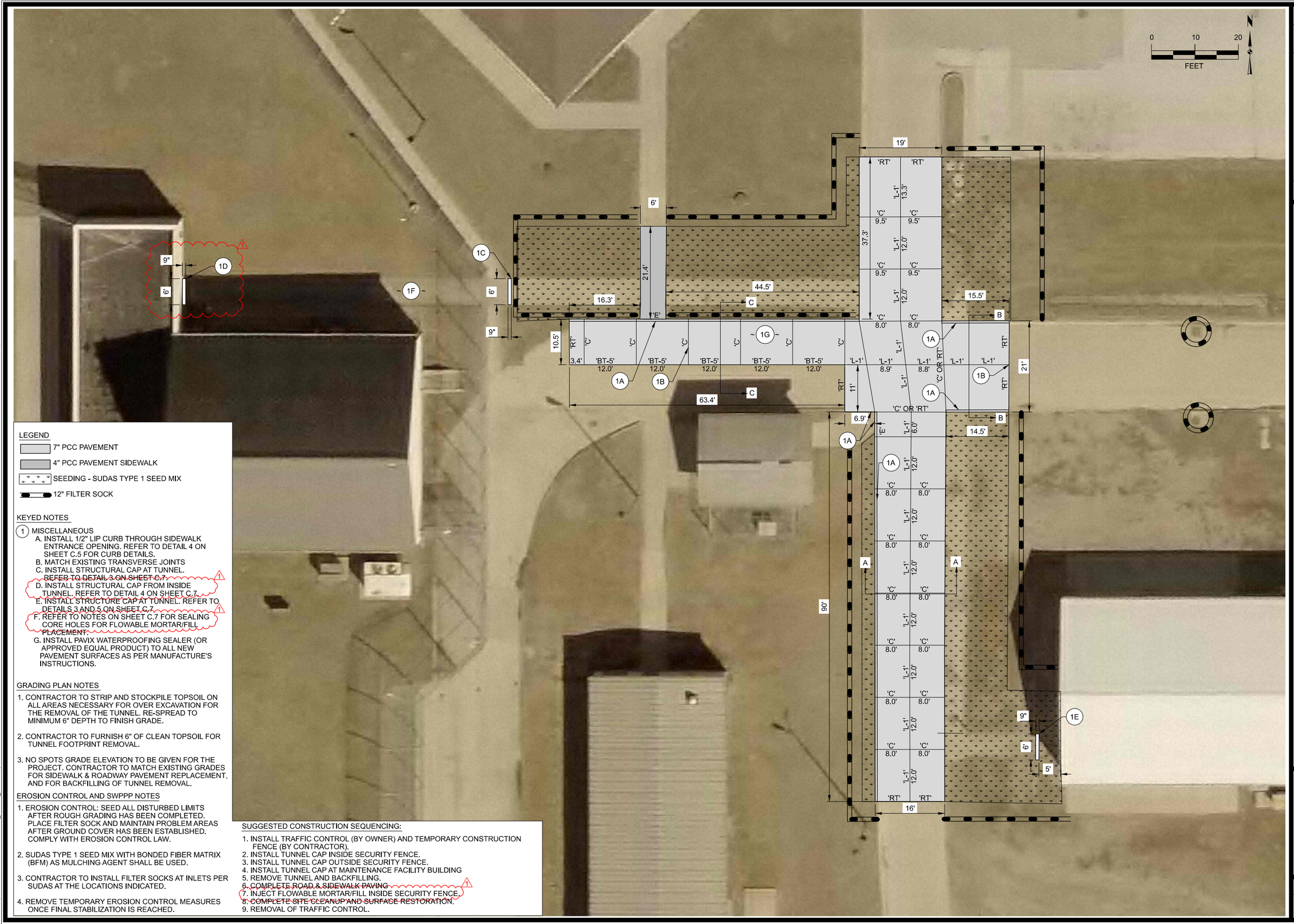
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SNYDER & ASSOCIATES

Project No: 126.0792

Sheet C.3

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LEGEND

- 7" PCC PAVEMENT
- 4" PCC PAVEMENT SIDEWALK
- SEEDING - SUDAS TYPE 1 SEED MIX
- 12" FILTER SOCK

KEYED NOTES

(1) MISCELLANEOUS
- A. INSTALL 1/2" LIP CURB THROUGH SIDEWALK ENTRANCE OPENING. REFER TO DETAIL 4 ON SHEET C.5 FOR CURB DETAILS.
- B. MATCH EXISTING TRANSVERSE JOINTS
- C. INSTALL STRUCTURAL CAP AT TUNNEL. REFER TO DETAIL 3 ON SHEET C.7.
- D. INSTALL STRUCTURAL CAP FROM INSIDE TUNNEL. REFER TO DETAIL 4 ON SHEET C.7.
- E. INSTALL STRUCTURE CAP AT TUNNEL. REFER TO DETAILS 3 AND 5 ON SHEET C.7.
- F. REFER TO NOTES ON SHEET C.7 FOR SEALING CORE HOLES FOR FLOWABLE MORTAR/FILL PLACEMENT.
- G. INSTALL PAVIX WATERPROOFING SEALER (OR APPROVED EQUAL PRODUCT) TO ALL NEW PAVEMENT SURFACES AS PER MANUFACTURE'S INSTRUCTIONS.

GRADING PLAN NOTES

1. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL ON ALL AREAS NECESSARY FOR OVER EXCAVATION FOR THE REMOVAL OF THE TUNNEL. RE-SPREAD TO MINIMUM 6" DEPTH TO FINISH GRADE.
2. CONTRACTOR TO FURNISH 6" OF CLEAN TOPSOIL FOR TUNNEL FOOTPRINT REMOVAL.
3. NO SPOTS GRADE ELEVATION TO BE GIVEN FOR THE PROJECT. CONTRACTOR TO MATCH EXISTING GRADES FOR SIDEWALK & ROADWAY PAVEMENT REPLACEMENT, AND FOR BACKFILLING OF TUNNEL REMOVAL.

EROSION CONTROL AND SWPPP NOTES

1. EROSION CONTROL: SEED ALL DISTURBED LIMITS AFTER ROUGH GRADING HAS BEEN COMPLETED. PLACE FILTER SOCK AND MAINTAIN PROBLEM AREAS AFTER GROUND COVER HAS BEEN ESTABLISHED. COMPLY WITH EROSION CONTROL LAW.
2. SUDAS TYPE 1 SEED MIX WITH BONDED FIBER MATRIX (BFM) AS MULCHING AGENT SHALL BE USED.
3. CONTRACTOR TO INSTALL FILTER SOCKS AT INLETS PER SUDAS AT THE LOCATIONS INDICATED.
4. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE FINAL STABILIZATION IS REACHED.

SUGGESTED CONSTRUCTION SEQUENCING:

1. INSTALL TRAFFIC CONTROL (BY OWNER) AND TEMPORARY CONSTRUCTION FENCE (BY CONTRACTOR).
2. INSTALL TUNNEL CAP INSIDE SECURITY FENCE.
3. INSTALL TUNNEL CAP OUTSIDE SECURITY FENCE.
4. INSTALL TUNNEL CAP AT MAINTENANCE FACILITY BUILDING
5. REMOVE TUNNEL AND BACKFILLING.
6. COMPLETE ROAD & SIDEWALK PAVING
7. INJECT FLOWABLE MORTAR/FILL INSIDE SECURITY FENCE.
8. COMPLETE SITE CLEANUP AND SURFACE RESTORATION.
9. REMOVAL OF TRAFFIC CONTROL.

MARK	REVISION	DATE	BY
1	ADDENDUM 3	08/28/26	

Engineer: ENG | Checked By: TNJ | T-R-S:
Technician: JDS | Date: 08/14/2026
DAS # 9541-00
Project No: 126.0792

Sheet C.4

DOC ICIW ROAD REPAIR AND TUNNELL INFILL

MITCHELLVILLE, IOWA

DIMENSION AND LAYOUT PLAN

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IA 50023
515-964-2020 | WWW.SNYDER-ASSOCIATES.COM

SNYDER & ASSOCIATES

Project No: 126.0792

Sheet C.4

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NOTES

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.

2. ALL OF THE WORK TO BE DONE UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, THE GENERAL REQUIREMENTS OF DIVISION ONE, THE GENERAL CONDITIONS, THE SPECIFICATIONS, AND ANY ADDENDA THERETO.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUAINT THEMSELVES AND ALL SUPERVISORY PERSONNEL WITH THE ABOVE-NAMED DRAWINGS AND DOCUMENTS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING THE SITE OF THE PROPOSED WORK TO SATISFY THEMSELVES AS TO THE EXISTING CONDITIONS RELATIVE TO THE CONTRACT.

5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING/BRACING OF WALLS, SLABS, COLUMNS, ETC., AS REQUIRED BY ALL FEDERAL, STATE AND LOCAL AGENCIES HAVING JURISDICTION, UNTIL ALL PERMANENT FRAMING IS INSTALLED.

6. ALL CONSTRUCTION SHALL CONFORM TO INTERNATIONAL BUILDING CODE 2024 UNLESS NOTED OTHERWISE.

7. DIMENSIONS MARKED +/- REQUIRE VERIFICATION BY THE CONTRACTOR.

8. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

9. PROTECTIVE FENCE TO BE INSTALLED BY CONTRACTOR DURING WORK PREVENTING ENTRANCE TO EXCAVATED AREA. PROTECTIVE FENCE TO BE USED AND MAINTAINED THROUGHOUT CONSTRUCTION.

DEMOLITION AND SHORING

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO ENSURE THAT PARTS OF THE STRUCTURE TO BE PRESERVED ARE NOT DAMAGED BY THE APPLICATION OF EXCESSIVE LOADS OR BY ANY OTHER MEANS, AND THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE CAUSED.

2. ENSURE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION AND CONSTRUCTION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, EQUIPMENT AND OTHER FACILITIES AND PERSONS.

3. EXISTING STRUCTURE SHALL BE TEMPORARILY SHORED AS REQUIRED TO PERFORM CONSTRUCTION SHOWN HEREIN. MEMBERS SHALL BE REMOVED IN SUCH A MANNER AS NOT TO DAMAGE EXISTING STRUCTURE.

4. ALL REMOVALS OF EXISTING SHALL BE INITIATED WITH A NEAT, 3/4" MIN. DEEP STRAIGHT.

5. PROTECT EXISTING REINFORCING STEEL IN PLACE. EXERCISE EXTREME CARE TO AVOID DAMAGING EXISTING REINFORCEMENT.

6. EXACT LOCATION OF EXISTING REINFORCEMENT IS TO BE DETERMINED BY THE CONTRACTOR USING A REBAR LOCATOR OR SIMILAR METHOD.

7. LOCATE HOLES FOR BOLTS TO AVOID EXISTING REINFORCEMENT.

8. CONTRACTOR RESPONSIBLE TO REPAIR DAMAGED EXISTING REINFORCEMENT TO THE SATISFACTION OF THE ENGINEER/OWNER. CONTRACTOR RESPONSIBLE FOR ALL COSTS AND DELAYS ASSOCIATED WITH THE REPAIR.

9. IN THE EVENT OF CONFLICTS, NOTIFY ENGINEER PRIOR TO FIELD MODIFICATIONS OF DETAILS, CONNECTIONS, OR DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS.

DRILLED-IN-DOWELS AND ANCHOR BOLTS

1. HOLES FOR DOWELS SHALL BE DRILLED INTO THE EXISTING CONCRETE AT THE LOCATIONS AND OF THE SIZE SHOWN ON THE PLANS. EMBED DRILLED-IN-DOWELS 15 BAR OR ANCHOR BOLT DIAMETERS MINIMUM, UNLESS NOTED OTHERWISE. AFTER HOLES ARE DRILLED, THEY SHALL BE BLOWN CLEAN WITH OIL-FREE COMPRESSED AIR BEFORE THE EPOXY RESIN IS PLACED IN THE HOLE. THE HOLE SHALL BE FILLED WITH EPOXY RESIN TO A LEVEL SUCH THAT AFTER THE BAR IS INSERTED, THE EPOXY WILL RISE TO THE SURFACE OF THE HOLE. IN OVERHEAD APPLICATIONS, WORK AND SECURE ENOUGH EPOXY RESIN INTO THE HOLE SUCH THAT WHEN THE DOWEL IS INSERTED, THE EPOXY RESIN COMPLETELY FILLS THE VOID AROUND THE DOWEL. SECURE THE EPOXY RESIN IN PLACE FOR CURING BY PLUGGING THE HOLE AROUND THE SHANK OF THE DOWEL. REINFORCING STEEL DOWELS OR ANCHOR BOLTS OF THE SIZE SHOWN ON THE PLANS SHALL BE INSERTED INTO THE HOLE IMMEDIATELY AFTER THE EPOXY RESIN IS PLACED. THE EPOXY RESIN SHALL BE PERMITTED TO SET BEFORE NEW CONCRETE IS PLACED AROUND THE ANCHOR.

CONCRETE

1. CONCRETE TO BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301 CURRENT EDITION)".

2. REINFORCING STEEL TO BE BENT AND PLACED IN ACCORDANCE WITH "MANUAL OF STD. PRACTICE FOR DETAILING CONCRETE STRUCTURES (ACI 315 CURRENT EDITION)".

3. ALL CONCRETE SHALL BE 4000 PSI AT 28 DAYS.

4. COARSE AGGREGATE FOR SLABS AND EXPOSED WALLS TO BE CRUSHED LIMESTONE.

5. MAXIMUM AGGREGATE SIZE TO BE 1" - U.N.O.

6. ALL AGGREGATE IN ACCORDANCE WITH ASTM C33. LIMIT SHALE, CHERT, COAL AND IRON OXIDE.

7. 4000 PSI CONCRETE TO HAVE A MIN. 6 SACKS CEMENT/MAX. 5 GAL. OF WATER/SACK.

8. WATER REDUCER REQUIRED FOR ALL WALLS AND SLABS.

9. CONCRETE WATER-CEMENT RATIO INDICATED FOR DESIGN MIXES TO HAVE CEMENT CONTENT ADJUSTED TO PROVIDE A WORKABLE MIX.

10. USE OF CALCIUM CHLORIDES PROHIBITED.

11. ALL REINFORCING STEEL TO BE ASTM A615 - GRADE 60.

12. CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR TO BE:
    3" CAST AGAINST EARTH
    2" SLABS ON GRADE (DISTANCE FROM TOP OF SLAB TO NEAR BAR)
    2" STRUCTURAL SLABS

13. ALL REINFORCING STEEL SHALL BE SECURELY WIRED IN PLACE BEFORE CONCRETE IS PLACED.

14. MAXIMUM SPACING OF BAR SUPPORTS TO BE 3'-0" O.C. EACH WAY.

15. PROVIDE CLASS B TENSION LAP SPLICES FOR CONTINUOUS BARS UNLESS OTHERWISE SHOWN.

16. ALL REINFORCING BARS SHALL BE LAPPED AS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, ALL REINFORCING BARS SHALL BE LAPPED AS FOLLOWS: LAP WALL/BEAM TOP HORIZONTAL REINFORCEMENT AT CENTER OF SPAN. LAP WALL/BEAM BOTTOM HORIZONTAL REINFORCEMENT AT SUPPORT. TERMINATE CONTINUOUS BARS AT DISCONTINUOUS ENDS WITH STANDARD HOOKS.

17. NEW WATERSTOPS TO BE BENTONITE SELF ADHERING STRIPS 1"X3/4"

18. CONCRETE ANCHORS SHALL BE HILTI HIT-HY 200 OR APPROVED EQUAL. THREADED RODS SHALL BE HILTI HAS-E STANDARD RODS OR GRADE 36 THREADED RODS UNLESS NOTED OTHERWISE.

SPECIAL INSPECTION

1. SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704 OF THE 2024 INTERNATIONAL BUILDING CODE, AND ICBO MODEL PROGRAM FOR SPECIAL INSPECTION.

2. THE OWNER WILL EMPLOY AN APPROVED AGENCY TO PERFORM THE SPECIAL INSPECTION SERVICES.

3. SPECIAL INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH AND IN ADDITION TO THE INSPECTION AND TESTING REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

4. THE FOLLOWING ITEMS ARE INCLUDED IN THE SPECIAL INSPECTION:

CONCRETE: AIR-ENTRAINMENT
SLUMP
COMPRESSIVE STRENGTH TESTING
REINFORCING PLACEMENT

SOIL: PAVEMENT SUBGRADE AND FILL COMPACTION.

FLOWABLE FILL - CONTROLLED LOW-STRENGTH MATERIALS

1. MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF:
ASTM D6103 – FLOWABLE CONTROLLED LOW STRENGTH MATERIAL (CLSM).
ACI 229R – CONTROLLED LOW-STRENGTH MATERIALS.

2. FLOWABLE FILL SHALL CONSIST OF A CEMENTITIOUS SLURRY DESIGNED TO BE SELF-LEVELING AND SELF-CONSOLIDATING, ELIMINATING THE NEED FOR MECHANICAL COMPACTION.

3. 28 DAY COMPRESSIVE STRENGTH OF 50 TO 150 PSI

4. FURNISH AND PLACE CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO KNOWN AS FLOWABLE FILL, CONTROLLED DENSITY FILL (CDF), LEAN MIX BACKFILL, OR UNSHRINKABLE FILL, AT LOCATIONS INDICATED ON THE PLANS.

5. PLACE MATERIAL CONTINUOUSLY TO PREVENT COLD JOINTS WHENEVER PRACTICAL.

6. CONTRACTOR SHALL SUBMIT MIX DESIGN FOR REVIEW PRIOR TO PLACEMENT.

FLOWABLE MORTAR - LOW DENSITY CELLULAR CONCRETE

1. MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF:
ACI 523 - CAST-IN-PLACE LOW DENSITY CELLULAR CONCRETE (LCC)
ASTM C495 - STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF LIGHTWEIGHT INSULATING CONCRETE
ASTM C796 - STANDARD TEST METHOD FOR FOAMING AGENTS FOR USE IN PRODUCING CELLULAR CONCRETE USING PREFORMED FOAM
ASTM C869 - STANDARD SPECIFICATION FOR FOAMING AGENTS USED IN MAKING PREFORMED FOAM FOR CELLULAR CONCRETE
ASTM D4380 - STANDARD TEST METHOD FOR DENSITY OF BENTONITIC SLURRIES

2. LIGHTWEIGHT CELLULAR CONCRETE (LCC) SHALL CONSIST OF PORTLAND CEMENT, WATER, AND PREFORMED FOAM. ADMIXTURES AND SUPPLEMENTARY CEMENTITIOUS MATERIALS MAY BE USED AS APPROVED BY THE ENGINEER.

3. 28 DAY COMPRESSIVE STRENGTH OF 50 TO 100 PSI

4. FURNISH AND PLACE LOW DENSITY CELLULAR CONCRETE, ALSO KNOWN AS FLOWABLE FILL, AT LOCATIONS INDICATED ON THE PLANS

5. CONTRACTOR SHALL SUBMIT MIX DESIGN FOR REVIEW PRIOR TO PLACEMENT

6. LCC SHALL NOT BE MECHANICALLY VIBRATED OR COMPACTED

7. CONTRACTOR SHALL NOT PLACE LIFTS LARGER THAN 4 FT UNLESS APPROVED BY ENGINEER

8. SUBSEQUENT LIFTS SHALL NOT BE PLACED UNTIL UNDERLYING LIFTS HAVE GAINED SUFFICIENT STRENGTH TO SUPPORT ADDITIONAL LOADING.

1

MARK	REVISION	DATE	BY
1	ADDENDUM 3	8/28/2026	

Engineer: BFK | Checked By: CGG | Scale: (AS NOTED)
Technician: CMH | Date: 8/28/2026 | Field Bk: Pg:

DAS # 9541.00
Project No: 126.0792

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NOTES

MITCHELLVILLE , IOWA

SNYDER & ASSOCIATES, INC.
2727 SW SNYDER BLVD
ANKENY, IA 50023
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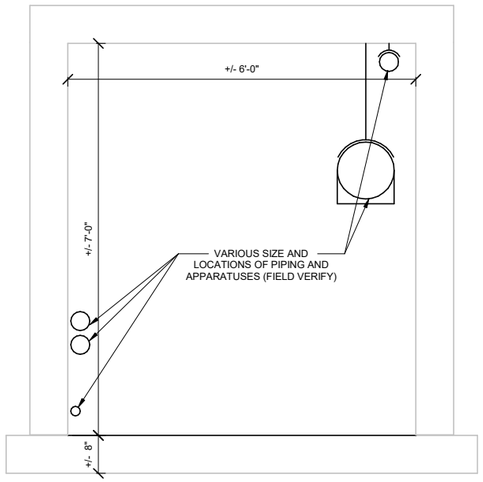
BAR IS ONE INCH ON FULL SIZE DRAWINGS
0 1/2" 1"
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

SNYDER & ASSOCIATES

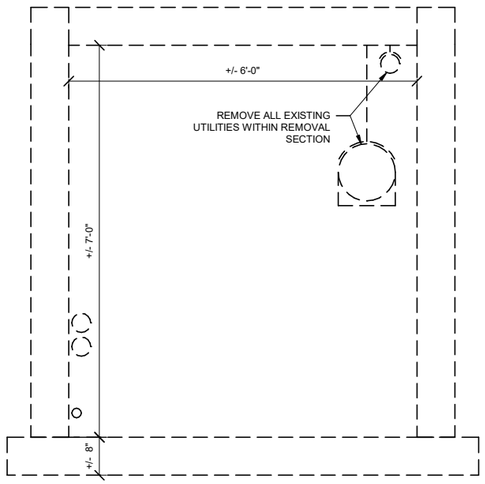
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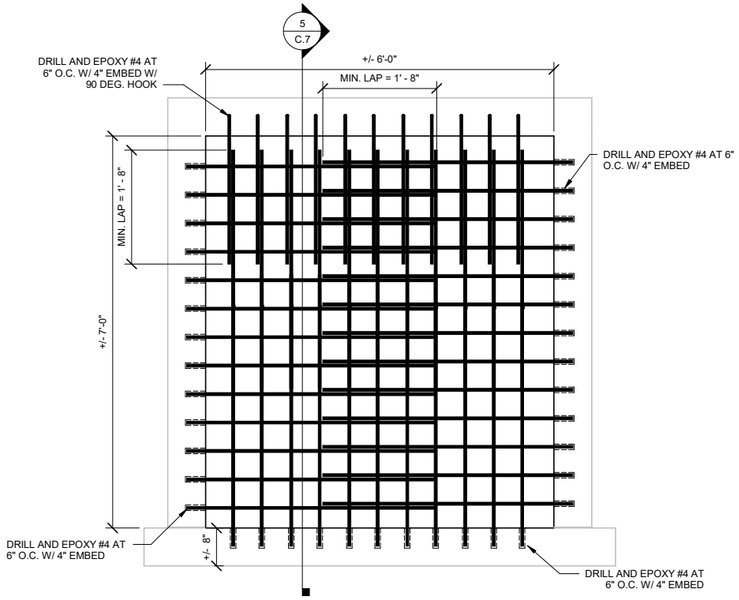


1 TYPICAL TUNNEL SECTION
3/4" = 1'-0"



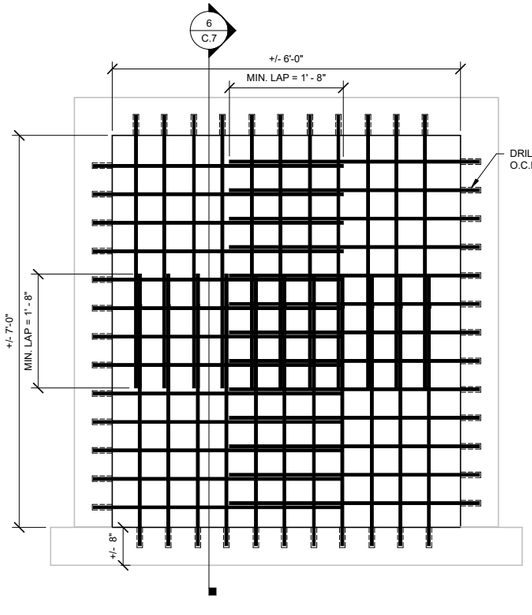
2 TUNNEL REMOVAL
3/4" = 1'-0"

TUNNEL REMOVAL NOTES:
1. THE CONTRACTOR SHALL DETERMINE THE MOST APPROPRIATE METHOD FOR REMOVAL OF EXISTING UTILITIES.
   A. THE INTENDED DESIGN APPROACH IS TO SAW-CUT AND REMOVE THE CAP OF THE EXISTING TUNNEL AS REQUIRED FOR UTILITIES REMOVAL, FOLLOWED BY REMOVAL OF ALL UTILITIES WITHIN THE TUNNEL.
2. REMOVE THE EXISTING TUNNEL STRUCTURE IN ITS ENTIRETY WITHIN THE REMOVAL LIMITS. (LIMITS OF REMOVAL ON C.3)

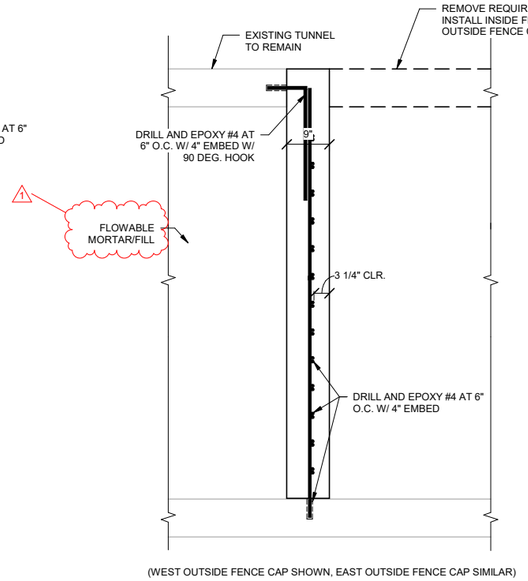


3 TUNNEL CAP OUTSIDE FENCE
3/4" = 1'-0"

TUNNEL CAP / FILL WITH FLOWABLE MORTAR/FILL NOTES:
1. THE CONTRACTOR SHALL REMOVE THE TUNNEL OR TUNNEL LID THAT IS TO BE REMOVED AS REQUIRED TO GAIN ACCESS TO THE PORTION OF THE TUNNEL THAT WILL REMAIN. (LIMITS OF INFILL ON C.3)
2. THE CONTRACTOR SHALL REMOVE ALL UTILITIES FROM EXISTING TUNNEL.
3. CAP THE EXISTING TUNNEL AS INDICATED IN THE PLANS.
4. CORE HOLES AT 10-FOOT INTERVALS ON CENTER WITHIN THE FENCE LIMITS TO FACILITATE PLACEMENT AND VENTING OF FLOWABLE MORTAR/FILL WITHIN THE TUNNEL TO REMAIN.
5. FILL THE TUNNEL USING A STEPPED PROCESS, BEGINNING AT THE FIRST ACCESS HOLE AND PROGRESSING SEQUENTIALLY BACK TOWARD THE BUILDING AND THEN TOWARD THE FENCE.
6. UPON COMPLETION, VERIFY THAT THE FLOWABLE MORTAR/FILL HAS FILLED THE TUNNEL COMPLETELY AND HAS REACHED THE ELEVATION OF THE BOTTOM OF THE TUNNEL LID. CLEAN AND REPAIR PORTIONS OF TUNNEL LID AT CORE HOLE LOCATION AND OTHER AREAS OF DETERIORATION. CONTRACTOR TO FIELD VERIFY WITH ENGINEER FOR ANY DETERIORATED AREAS. ALL CONCRETE REPAIR TO TUNNEL LID IS CONSIDERED INCIDENTAL TO "FLOWABLE MORTAR/FILL (INCLUDING LABOR & MISC.)" BID ITEM. REPAIR WITH 4000 PSI CONCRETE NOT FLOWABLE MORTAR/FILL.

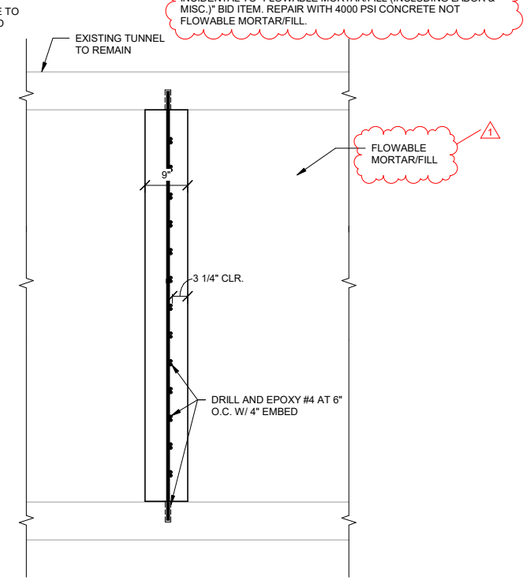


4 TUNNEL CAP INSIDE FENCE
3/4" = 1'-0"



(WEST OUTSIDE FENCE CAP SHOWN, EAST OUTSIDE FENCE CAP SIMILAR)

5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

BAR IS ONE INCH ON FULL SIZE DRAWINGS
0 1/2" 1"
IF NOT ONE INCH ADJUST SCALE ACCORDINGLY

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DETAILS

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