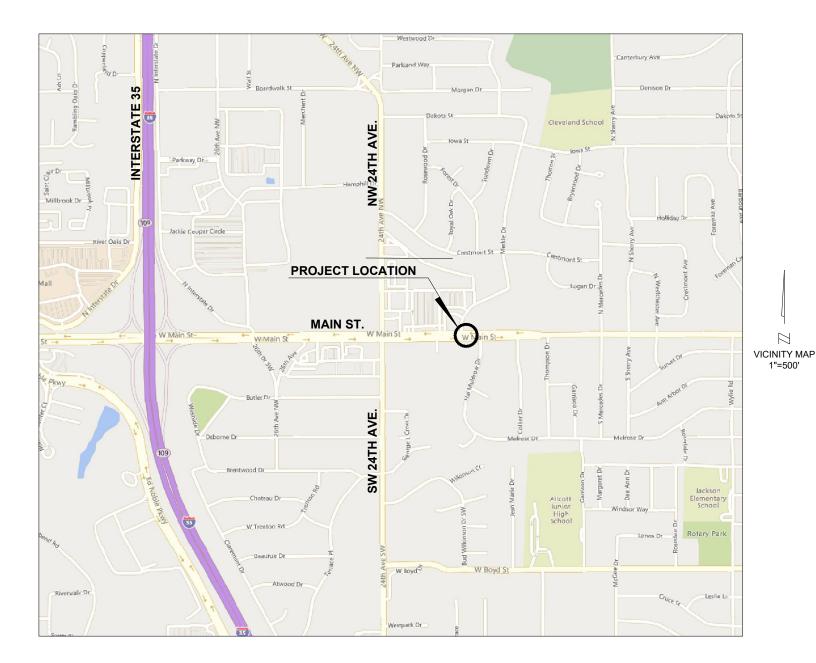
PLAN OF BRIDGE REHABILITATION

MAIN STREET BRIDGE OVER MERKLE CREEK (NBI 18911) CITY OF NORMAN PROJECT NO. K-2324-152





The City of NORMAN



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LARRY KEIKKILA

AUSTIN BALL Council Member

DARREL PYLE
City Manager

RICK KNIGHTON City Attorney

BREE MONTOYA HELEN GRANT
Council Member

SCOTT DIXON
Council Member

MICHAEL NASH Council Member

JOSHUA A. HINKLE Council Member

STEPHEN TYLER

	GRANT Member	MATTHEW PEACOCK Council Member		DATE				
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R015-R017	TRAFFIC CONTROL PLAN - PHASE	3	正	=	χ <u>2</u>	ŽΣ		AS
R018-R022	DETAILS		1		<u>ز</u>	=	BY:	
X001-X004	CROSS SECTION SHEETS		÷.		ž	خادٌ		
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ONE CALL UTILITY LOCATION NUMBER

840-5032 1-800-522-6543 This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.



PREPARED BY: CEC CORPORATION CA32 6/30/26 OKLAHOMA CITY, OKLAHOMA

> Pela Morre KYLE MORSE, P.E. OKLA. REG. NO. 27689

11-15-24

CEC

DATE



PREPARED BY: CEC CORPORATION CA32 6/30/26 OKLAHOMA CITY, OKLAHOMA

augustino F. Wwenty GUS WUERTZ, P.E., S.E. OKLA. REG. NO. 29197

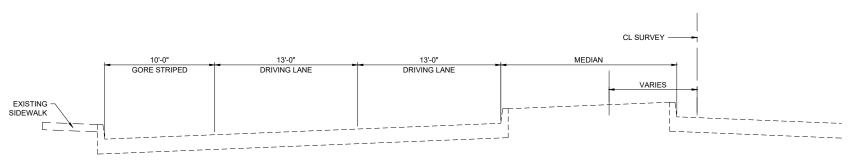
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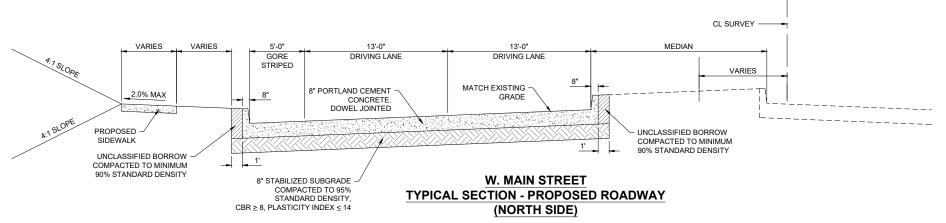
MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA



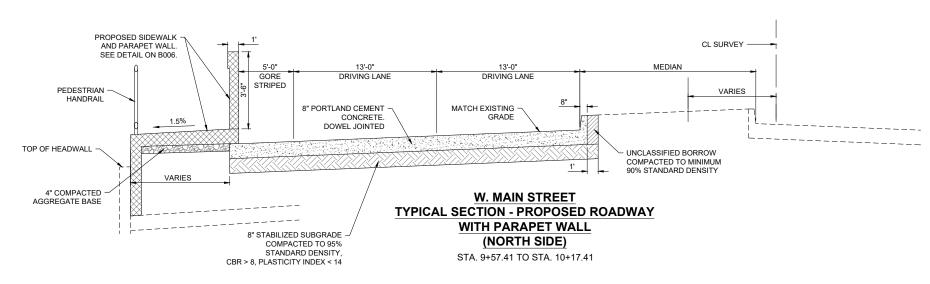


W. MAIN STREET TYPICAL SECTION - EXISTING ROADWAY (NORTH SIDE)

STA. 8+74.70 TO STA. 11+10.06



STA. 8+74.70 TO STA. 9+57.41 STA. 10+17.41 TO STA. 11+10.06



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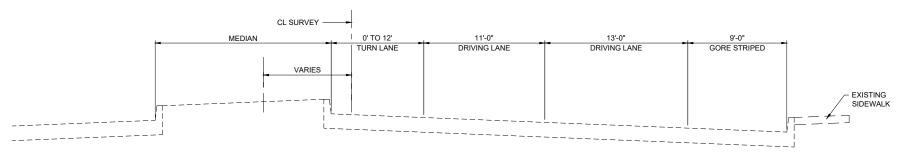
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FINAL PLANS	11-15-2024	K-2324-152	KLM	MTD	KLM	AS SHOWN
SUBMITTAL:	DATE:	PROJECT NO: K-2324-152	DESIGNED BY: KLM	DRAWN BY:	APPROVED BY: KLM	SCALE:

MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

SHEET NAME
TYPICAL
SECTIONS
SHEET

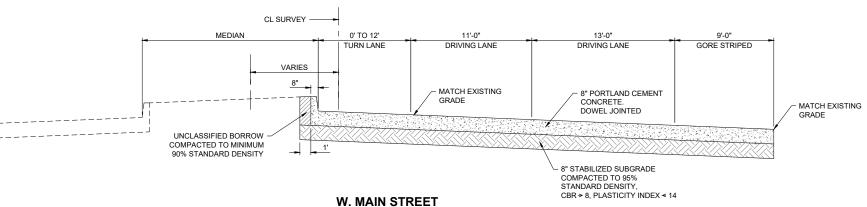
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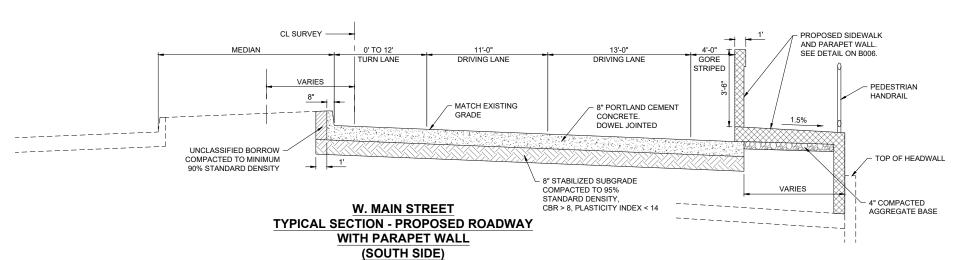
W. MAIN STREET TYPICAL SECTION - EXISTING ROADWAY (SOUTH SIDE)

STA. 8+31.85 TO STA. 11+10.06



W. MAIN STREET TYPICAL SECTION - PROPOSED ROADWAY (SOUTH SIDE)

STA. 8+31.85 TO STA. 8+69.80 STA. 9+39.80 TO STA. 11+10.06



STA. 8+69.80 TO STA. 9+39.80

CEC



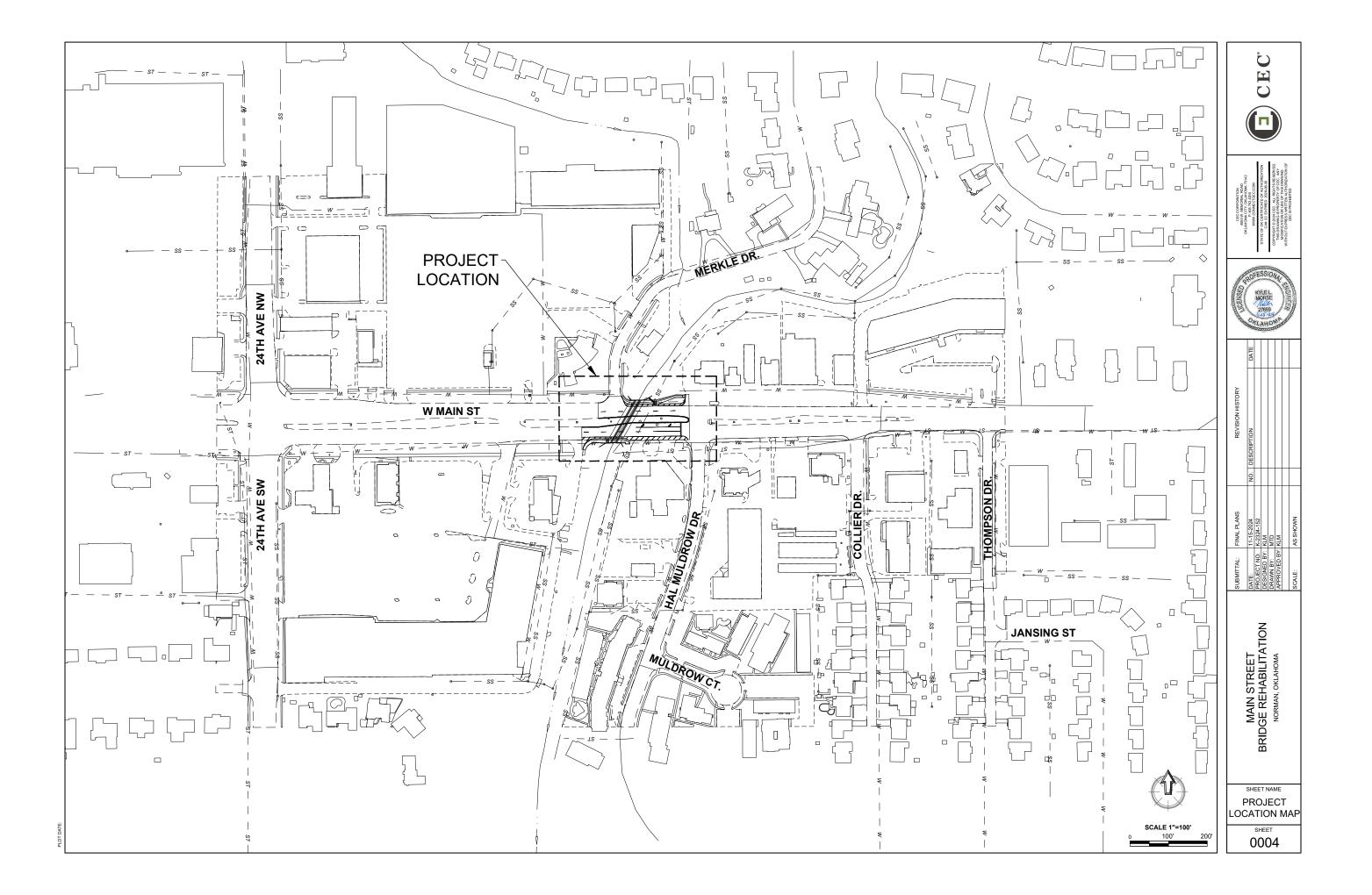


	DATE					
REVISION HISTORY	NO. DESCRIPTION					
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FINAL PLANS	11-15-2024	K-2324-152	KLM	MTD	KLM	AS SHOWN
SUBMITTAL:	DATE:	PROJECT NO: K-2324-152	DESIGNED BY: KLM	DRAWN BY:	APPROVED BY: KLM	SCALE:

MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

TYPICAL SECTIONS

SHEET 0003



ITEM NO.	SPEC NO.	DESCRIPTION	NOTES	UNIT	QUANTITY
1	221(B)	TEMPORARY SILT FENCE	(6)	L.F.	165.00
2	221(C)	TEMPORARY SEDIMENT FILTER		EA.	2.00
3	230(A)	SOLID SLAB SODDING		S.Y.	325.00
4	303(A)	AGGREGATE BASE (TYPE A)		C.Y.	16.00
5	307(K)	STABILIZED SUBGRADE (8")	(1)	S.Y.	2,422.00
6	414(G)	P.C. CONCRETE FOR PAVEMENT (ROADWAY)		C.Y.	509.00
7	509(A)	CLASS AA CONCRETE		C.Y.	38.80
8	511(A)	REINFORCING STEEL		LB.	8,730.00
9	600(B)	AUDIO AND VIDEO RECORDING, PRE AND POST CONST.		LSUM	1.00
10	602(B)	ARTICULATING CONCRETE BLOCK (FLEXAMAT)	(7)	S.Y.	150.00
11	609(A)	COMBINED CURB & GUTTER (8" BARRIER)		L.F.	775.00
12	610(A)	4" CONCRETE SIDEWALK		S.Y.	155.00
13	619(B)	REMOVAL OF CONCRETE PAVEMENT		S.Y.	2,301.00
14	619(B)	REMOVAL OF ASPHALT PAVEMENT		S.Y.	123.00
15	619(B)	REMOVAL OF PIPE RAILING	(4)	L.F.	179.00
16	619(B)	REMOVAL OF SIDEWALK	(4)	S.Y.	183.00
17	619(B)	REMOVAL OF CURB AND GUTTER	(4)	L.F.	851.00
18	619(B)	REMOVAL STRUCTURES AND OBSTRUCTIONS	(4)	LSUM	1.00
19	619(C)	SAWING PAVEMENT	(5)	L.F.	400.00
20	622(A)	PIPE RAILING		L.F.	186.00
21	641	MOBILIZATION		LSUM	1.00
22	642(A)	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)		LSUM	1.00
23	856(A)	TRAFFIC STRIPE (MULTI-POLY.)(4" WIDE)	(2)	L.F.	520.00
24	856(A)	TRAFFIC STRIPE (MULTI-POLY.)(6" WIDE)		L.F.	748.00
25	856(A)	TRAFFIC STRIPE (MULTI-POLY.)(8" WIDE)		L.F.	226.00
26	856(A)	TRAFFIC STRIPE (MULTI-POLY.)(24" WIDE)		L.F.	74.00
27	856(B)	TRAFFIC STRIPE(PAINT)(ARROW)		EA.	2.00
28	856(B)	TRAFFIC STRIPE(PAINT)(WORDS)		EA.	1.00
29	880(J)	CONSTRUCTION TRAFFIC CONTROL	(3)	LSUM	1.00
30		CONCRETE WASHOUT		EA.	1.00

GENERAL CONSTRUCTION NOTES

- SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE TRAFFIC ENGINEER DIVISION.
- ALL BROKEN CONCRETE, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS
- 3. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES AND STRUCTURES, WHETHER SHOWN OR NOT, BOTH PUBLIC AND PRIVATE, ANY DAMAGE TO A UTILITY LINE OR STRUCTURE, BECAUSE OF THE CONTRACTOR'S ACTIONS, SHALL BE REPAIRED SOLELY AT THE CONTRACTOR'S EXPENSE TO A CONDITION AS GOOD OR BETTER THAN THAT PRIOR TO THE DAMAGE.
- 4 THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO
- 5. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL BUILT ELEMENTS, INCLUDING BUT NOT LIMITED TO SIDEWALKS AND ACCESS RAMPS COMPLY WITH THE CITY OF NORMAN ADA STANDARD REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OR ENGINEER'S DESIGNEE FOR ANY DISCREPANCIES BETWEEN DESIGN INFORMATION AND THE CITY OF NORMAN STANDARD
- 6. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL PAVEMENT MARKINGS THAT WILL BE
- A WORK ZONE PERMIT MUST BE OBTAINED FROM THE TRAFFIC MANAGEMENT DIVISION AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF WORK AND/OR PLACING OR REMOVING ANY BARRICADES OR MODIFYING EXISTING TRAFFIC CONTROL DEVICES.
- 8 ALL WORK NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED INCIDENTAL STRUCTION. THE COST FOR SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER
- 9 ALL DISTURBED, LINPAVED AREAS WITHIN THE PROJECT LIMITS ON EASEMENTS AND RIGHT-OF-WAY SHALL BE SODDED, FERTILIZED, AND WATERED IN ACCORDANCE WITH CITY OF NORMAN STANDARD SPECIFICATIONS SECTION 2104, "SODDING AND SEEDING", SODDED AREAS SHALL BE REPAIRED AND MAINTAINED UNTIL ALL PORTIONS OF THE PROJECT ARE COMPLETE AND APPROVED FOR FINAL ACCEPTANCE. ALL OTHER AREAS DISTURBED AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE RESTORED IN A MANNER ACCEPTABLE TO THE OWNER TO A CONDITION AS GOOD OR BETTER THAN THAT PRIOR TO THE DISTURBANCE AT NO EXPENSE TO THE OWNER.
- 10. STREETS AND/OR LANES WITHIN THE CONSTRUCTION ZONE MAY BE CLOSED ONLY UPON THE PRIOR APPROVAL OF THE CITY ENGINEER OR HIS DESIGNEE. FOLLOWING APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE FOLLOWING AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF
- 11 ANY WORKZONE SPEED LIMIT REDUCTION ON THE CITY OF NORMAN'S STREETS MUST BE APPROVED THROUGH THE CITY TRAFFIC ENGINEER BEFORE ANY SIGNS ARE PLACED
- 12. CONSTRUCTION AND DAILY MAINTENANCE OF ALL FROSION CONTROL MEASURES SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO THE INITIATION OF ANY LAND DISTURBING ACTIVITIES.
 INSPECTION OF THESE STRUCTURES WILL BE PERFORMED BY THE CITY OF NORMAN ON A REGULAR
 BASIS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
- 13. EXCESS EXCAVATED SOIL WILL BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF

GENERAL INTENT NOTES

- 16. THE PLANS AND REFERENCED CONSTRUCTION SPECIFICATIONS DESCRIBE THE WORK COMPLETED AND IDENTIFY THE WORK TO BE DONE AND THE MATERIALS NECESSARY FOR CONSTRUCTION. THESE PLANS ARE INTENDED TO BE FULLY EXPLANATORY. THE PLAN AND SPECIFICATION DOCUMENTS SHALL BE CONSTRUCTED AND INTERPRETED AS A WHOLE AND THEREFORE, ANYTHING SHOWN, INDICATED OR SPECIFIED IN ONE AND NOT THE OTHER, SHALL BE
- 17. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED INICIDENTAL AND INCLUDED AS AN ORDINARY PART OF THE WORK, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK CAN BE MADE OR WILL BE PERMITTED BY THE OWNER WITHOUT THE ISSUANCE OF A CHANGE ORDER.
- 18. NO PLEA OF IGNORANCE OF EXISTING CONDITIONS OR OF DIFFICULTIES OR CONDITIONS ENCOUNTERED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL OF THE REQUIREMENTS IN THE CONTRACT DOCUMENTS GOVERNING THE WORK

PAY QUANTITY NOTES (ROADWAY)

- 1. THE COST FOR STABILIZED SUBGRADE WILL INCLUDE THE COST OF CHEMICAL ADDITIVES. AT A RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION ACCORDING TO ODOT TEST METHOD OHD L-50.
- QUANTITY SHOWN INCLUDES 748 L.F. TRAFFIC STRIPE (PAINT)(WHITE) AND 520 L.F. TRAFFIC STRIPE (PAINT)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF FOUR INCH (4") WIDE TRAFFIC STRIPE.
- ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING/ THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST
- 4. TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- 5. COST INCLUDES SAWING PAVEMENT IN A MANNER APPROVED BY THE ENGINEER.
- 6 ESTIMATED QUANTITY FOR TEMPORARY FROSION AND SEDIMENT CONTROL TO BE USED IN MANNER APPROVED BY THE ENGINEER, PRICE BID TO INCLUDE THE COST OF NECESSARY MAINTENANCE, MAINTAINING IN AN UPRIGHT POSITION, REMOVAL OF CONTROL AND SEDEMENT REMOVAL
- SHALL BE CONSTRUCTED ON TOP OF SOD AND INSTALLED PER MANUFACTURER RECOMMENDATIONS.
- SIDEWALK PATH BETWEEN PARAPET WALL AND PIPE RAILING SHALL BE PAID FOR BY CLASS AA CONCRETE AND REINFORCING STEEL. SIDEWALK OUTSIDE OF THESE EXTENTS TO BE PAID BY 4" CONCRETE SIDEWALK.

UTILITY CONTACTS							
ONG	CORY MODDELMOG	551-6689					
AT&T	JOE ANDERSON	539-444-1026					
OEC	MORGAN EDERER	217-6615					
COX COMMUNICATIONS		605-1339					
ONE CALL UTILITIES	LOCATE	800-522-6543					
NORMAN UTILITY ADMINISTRATION		336-5443					

EXISTING UTILITIES

w	WATERLINE
— — OHE — —	OVERHEAD ELECTRIC
$ \mathit{TUG}$ $ -$	UNDERGROUND TELEPHONE
- $ FOC$ $ -$	FIBER OPTIC CABLE
PUG $$	UNDERGROUND POWER
— - G — -	GAS LINE
ss	SANITARY SEWER
$ \mathcal{ST}$ $ -$	STORM SEWER

SYMBOLS

40

(GM)

(GV) (VP)

(SS)

FIRE HYDRANT	ST.S	STORM SEWER MANHOLE
WATER METER	\rightarrow	ELECTRIC GUY WIRE
WATER VALVE	EVLT	ELECTRIC VAULT
GAS METER	E.PED.	ELECTRIC PEDESTAL
GAS VALVE	PB	PULL BOX
GAS VENT PIPE		POWER POLE
SANITARY SEWER MANHOLE	\	LIGHT POLE
BENCHMARK	Ŋ,	MAILBOX







HEDGE/LANDSCAPING





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MAIN STREET GE REHABILITATION BRID

SHEET NAME SUMMARY OF PAY QUANTITIES & NOTES

AR01

GENERAL NOTES

SPECIFICATIONS -

COMPLY WITH THE REQUIREMENTS OF THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

PNEUMATICALLY PLACED MORTAR CONCRETE REPAIR -

REPAIR AREAS OF DETERIORATED CONCRETE AT THE APPROXIMATE LOCATIONS SHOWN IN PLANS IN ACCORDANCE WITH SECTION 521 OF THE SPECIFICATIONS EXCEPT AS MODIFIED BY THE PLANS. IDENTIFY REPAIR AREAS USING GEOMETRY IN ACCORDANCE WITH FIGURE 513:1 OF THE SPECIFICATIONS TO THE LIMITS OF SOUND CONCRETE AS DETERMINED BY THE ENGINEER, ENSURE DIMENSIONS OF RE-ENTRANT CORNERS ARE AT LEAST 4 INCHES. REMOVE ALL DETERIORATED, LOOSE AND UNSOUND CONCRETE AND DEBRIS LEAVING ONLY SOUND

DO NOT USE POWER TOOLS FOR REMOVING LOOSE CONCRETE UNLESS HAND TOOLS PROVE INCAPABLE OF EXCAVATING DETERIORATED CONCRETE TO SOUND CONCRETE AS DETERMINED BY THE ENGINEER. IF POWER TOOLS ARE DEEMED NECESSARY, USE TOOLS OF A SIZE THAT DO NOT EXCESSIVELY REMOVE OR DAMAGE SOUND CONCRETE

DO NOT CUT, STRETCH OR CAUSE ADDITIONAL DAMAGE TO REINFORCING STEEL EXPOSED DURING CONCRETE REMOVAL, REPLACE CORROSION-DAMAGED REINFORCING STEEL IF LESS THAN 50% OF THE AREA OF THE SECTION IS REMAINING AFTER BLAST CLEANING. REPLACE OR REPAIR DAMAGED REINFORCING STEEL BY EITHER LAPPING OR PROVIDING MECHANICAL SPLICES IN ACCORDANCE WITH SECTION 511.04.C(3) OF THE SPECIFICATIONS. DO NOT LAP BARS IF THE ENGINEER DETERMINES EXCESSIVE REMOVAL OF SOUND CONCRETE IS REQUIRED

PROVIDE CLASS AA CONCRETE IN ACCORDANCE WITH SECTION 701 OF THE SPECIFICATIONS FOR MORTAR/PATCH MATERIAL. ALTERNATIVELY, USE ONE OF THE FOLLOWING REPAIR METHODS WITH THE APPROVAL OF THE ENGINEER: (1) CAST-IN-PLACE CONCRETE, (2) PREPLACED AGGREGATE CONCRETE, (3) FORMED AND PUMPED CONCRETE MORTAR, (4) TROWELED OR DRY PACKED REPAIR MORTAR. PLACE NEW MATERIAL TO THE ORIGINAL NEAT LINES OF THE STRUCTURAL COMPONENT UNDER REPAIR AND FINISHED TO PROVIDE A SURFACE TEXTURE MATCHING THAT OF THE ADJACENT EXISTING CONCRETE.

SUBMIT A PROPOSED WORK PLAN FOR THE CHOSEN REPAIR METHOD WHICH INCLUDES SURFACE PREPARATION METHODS, MORTAR/PATCH MATERIALS, BONDING AGENTS, MATERIAL PLACING METHODS, AND FINISHING METHODS. REPAIR A TEST AREA TO VERIFY THE EFFECTIVENESS OF THE PROPOSED REPAIR METHOD PRIOR TO COMMENCING WORK, REPLACE FAULTY REPAIRS AT NO ADDITIONAL COST TO THE DEPARTMENT.

REMOVE ALL DEBRIS AND MUCK FROM ALL CELLS OF THE R.C.B. INCLUDE ALL COSTS TO REMOVE AND DISPOSE OF THE DEBRIS IN OTHER ITEM OF WORK

NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING ANY EXCAVATIONS. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

 $\begin{tabular}{ll} VERIFICATION OF EXISTING CONDITIONS - \\ THE CONTRACTOR IS RESPONSIBLE FOR FULLY UNDERSTANDING THE NATURE OF THE WORK AND CONDITIONS \\ \end{tabular}$ UNDER WHICH THE WORK WILL BE PERFORMED.

ALL DIMENSIONS OF THE EXISTING BRIDGE COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO CONNECT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.

USE METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE EXISTING BRIDGE AND ATTACHMENTS. ANY DAMAGE TO THE EXISTING BRIDGE STRUCTURE OR ROADWAY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER

DESCRIPTION OF WORK

THE BRIDGE WORK CONSISTS OF PATCHING THE CELL WALLS AND WING WALLS WITH PNEUMATICALLY PLACED MORTAR AND SEALING CRACKS. ADDITIONAL WORK ABOVE THE R.C.B. INCLUDES REPLACING PAVEMENT AND SIDEWALKS WITH NEW PARAPETS.

GENERAL CONSTRUCTION NOTES

THE CONTRACTOR SHALL GIVE NOTICE TO THE CITY OF NORMAN IN WRITING, FOURTEEN (14) DAYS BEFORE WORK ON THIS PROJECT BEGINS.

ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A "CONTRACT PAY ITEM" SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

THE LOCATION AND DEPTH OF ALL UTILITIES AS SHOWN ON THE THE PLANS ARE APPROXIMATE AND SHALL BE FIFI D VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF DIGGING, TRENCHING, BORING, ETC. PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED WITH THE FOLLOWING

THE LOCAL COUNTY CLERK'S OFFICE

THE LOCAL CITY GOVERNMENT'S OFFICE

THE "OKIE" NOTIFICATION CENTER: (405)840-5032 OR (800)522-6543

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING DRAINAGE STRUCTURES TO REMAIN IN PLACE, AND SHALL REPAIR SUCH DAMAGES AT NO ADDITIONAL COST

ALL MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER, UNLESS OTHERWISE SPECIFIED.

CONTRACT NO. K-2324-152 BRIDGE "A" NBI NO. 18911

PAY QUANTITIES

W. MAIN STREET OVER MERKLE CREEK REHABILITATION OF EXISTING 3 - 10'x9'x127' LONG R.C.B. SKEW 45° © STA, 9+42.64, SKEW 60° L.F.

ITEM NO.	ITEM DESCRIPTION		UNIT	TOTAL
504(E) 5500	CONCRETE PARAPET	(BR-1, 5)	L.F.	130.0
518(C) 0400	RAPID CURE JOINT SEALANT	(BR-1)	L.F.	114.0
520(A) 1200	PREPARATION OF CRACKS, ABOVE WATER	(BR-2)	L.F.	161.0
520(C) 1400	EPOXY RESIN, ABOVE WATER	(BR-3)	GAL.	13
521(A) 2200	PNEUMATICALLY PLACED MORTAR	(BR-2)	S.Y.	63.4
535 7100	CORROSION INHIBITOR (SURFACE APPLIED)	(BR-4)	S.Y.	95.1

PAY ITEM NOTES

- (BR-1) PAYMENT TO THE CONTRACTOR WILL BE BASED ON PLAN QUANTITIES.
- (BR-2) REPAIR AREAS AS DIRECTED BY THE ENGINEER. QUANTITY SHOWN IS APPROXIMATE AND SUBJECT TO THE ACTUAL LOCATIONS AND EXTENTS OF REPAIRS DETERMINED IN THE FIELD BY THE ENGINEER. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- (BR-3) QUANTITY SHOWN FOR EPOXY RESIN ESTIMATED AT 0.080 GALLONS PER FOOT OF CRACK REPAIR.
- APPLY CORROSION INHIBITOR TO AREAS PREPPED TO RECEIVE CONCRETE REPAIR AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH SECTION 535, QUANTITY SHOWN. IS APPROXIMATE AND SUBJECT TO THE ACTUAL LOCATIONS AND EXTENTS OF CONCRETE REPAIR TO DETERMINED IN THE FIELD BY THE ENGINEER. INCLUDE ALL COST ASSOCIATED WITH APPLICATION INCLUDING ALL MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK IN THE CONTRACT UNIT PRICE OF "CORROSION INHIBITOR (SURFACE APPLIED)".
- THE ITEM " CONCRETE PARAPET" INCLUDES 2,760 LBS, OF REINFORCING STEEL AND 12.9 C.Y. OF CLASS AA CONCRETE.





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SUBMITTAL:	DATE:	PROJECT NO:	DESIGNED BY:	DRAWN BY:	APPROVED BY: AFW	SCALE:
FINAL PS&E	11/15/2024		AFW	DRB	AFW	AS SHOWN
	NO.					
REVISION HISTORY	NO. DESCRIPTION					
	DATE					

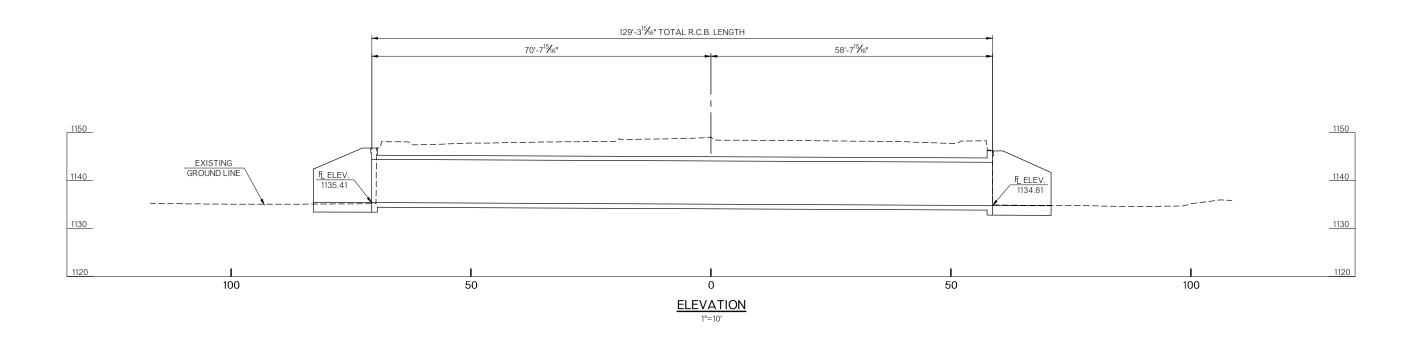
E REHABILITATION I OVER MERKLE CREE DRMAN, OKLAHOMA BRIDGE F STREET

SHEET NAME GENERAL NOTES AND SUMMARY OF PAY QUANTITIES

AB01

CEC

SUBMITTAL:	DATE:	PROJEC	N DESIGN	DRAWN BY:	APPRO	SCALE:	
		PROJECT NO:	DESIGNED BY: AFW	BY:	APPROVED BY: A		
FINAL PS&E	11/15/2024		AFW	DRB	AFW	AS SHOWN	
	NO.						
REVISION HISTORY	DESCRIPTION						
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SUMMARY OF QUANTITIES								
ITEM DESCRIPTION	UNIT	TOTAL						
CONCRETE PARAPET	L.F.	130.0						
RAPID CURE JOINT SEALANT	L.F.	114.0						
PREPARATION OF CRACKS, ABOVE WATER	L.F.	161.0						
EPOXY RESIN, ABOVE WATER	GAL.	13						
PNEUMATICALLY PLACED MORTAR	S.Y.	63.4						
CORROSION INHIBITOR (SURFACE APPLIED)	S.Y.	95.1						

DESIGN DATA

LOAD AND RESISTANCE FACTOR DESIGN

f'c = 4 K.S.I. fy = 60 K.S.I. CONCRETE CLASS AA REINFORCING STEEL (GRADE 60)

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION

INDEX OF SHEETS

GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE) GENERAL PLAN AND ELEVATION R.C.B. BARREL REPAIR DETAILS

AB01 B001 - B002 B003 - B006

ODOT STANDARDS

LECS-5-2



CECORPORATION 4658 W.MEMCRAILE, W.M. OKLHAWA CITY, OBLAHUMA 7342 W.M.CONECTECCOM WWW.CONNECTEC.COM	STATE OF OK CERTIFICATE OF AUTHORIZATION CAN: 32 EXPIRES: 2024-06-30	COPYRIGHT © 2223 CEC. ALL RIGHTS RESERVED. THIS DRAWMEN TO RE CEC. ANY MODIFICATION OR USE OF THIS DRAWING WITHOUT EPPRESS WRITTEN ALTHORIZATION OF CEC IS PROHBITED.

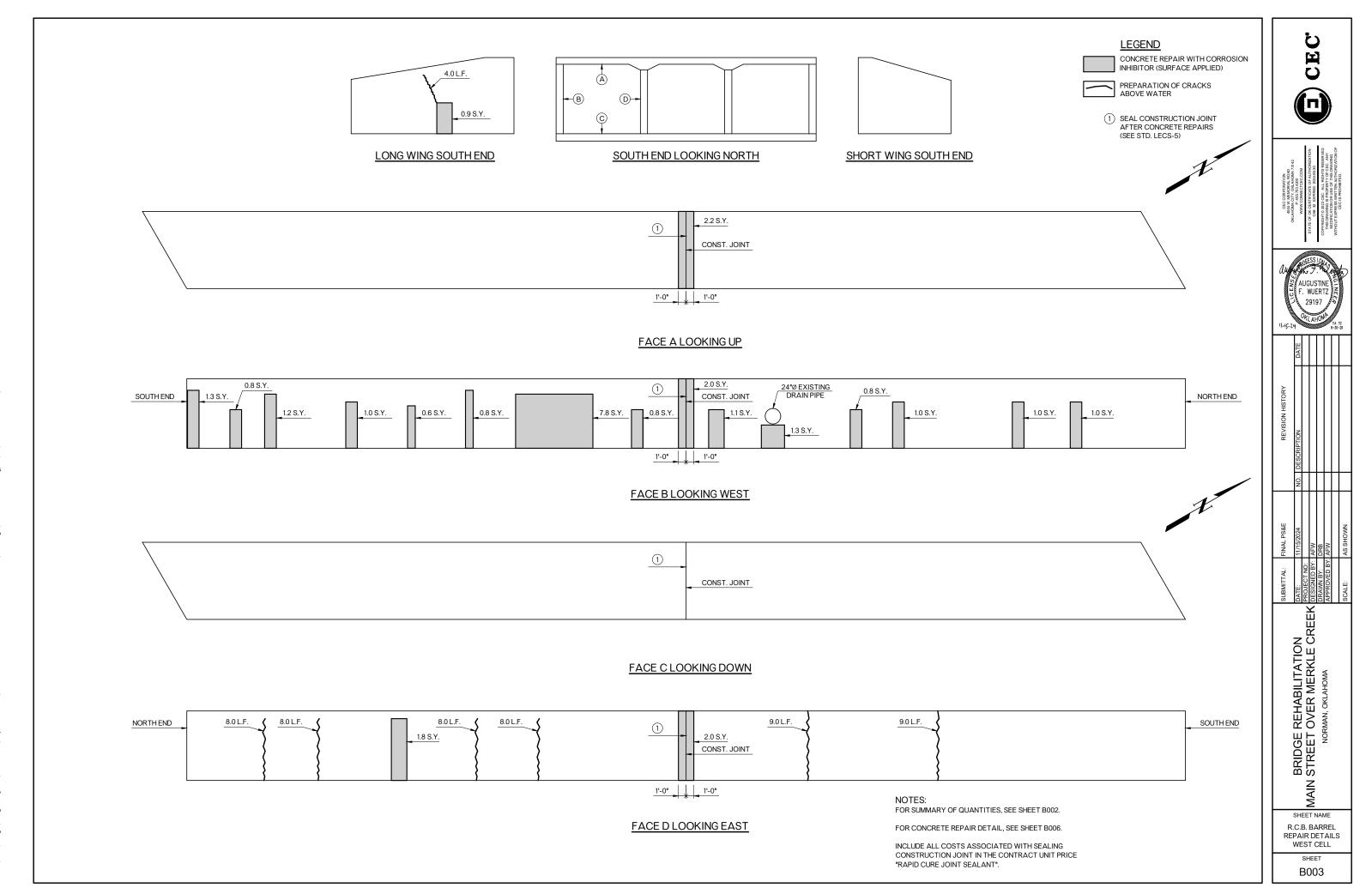
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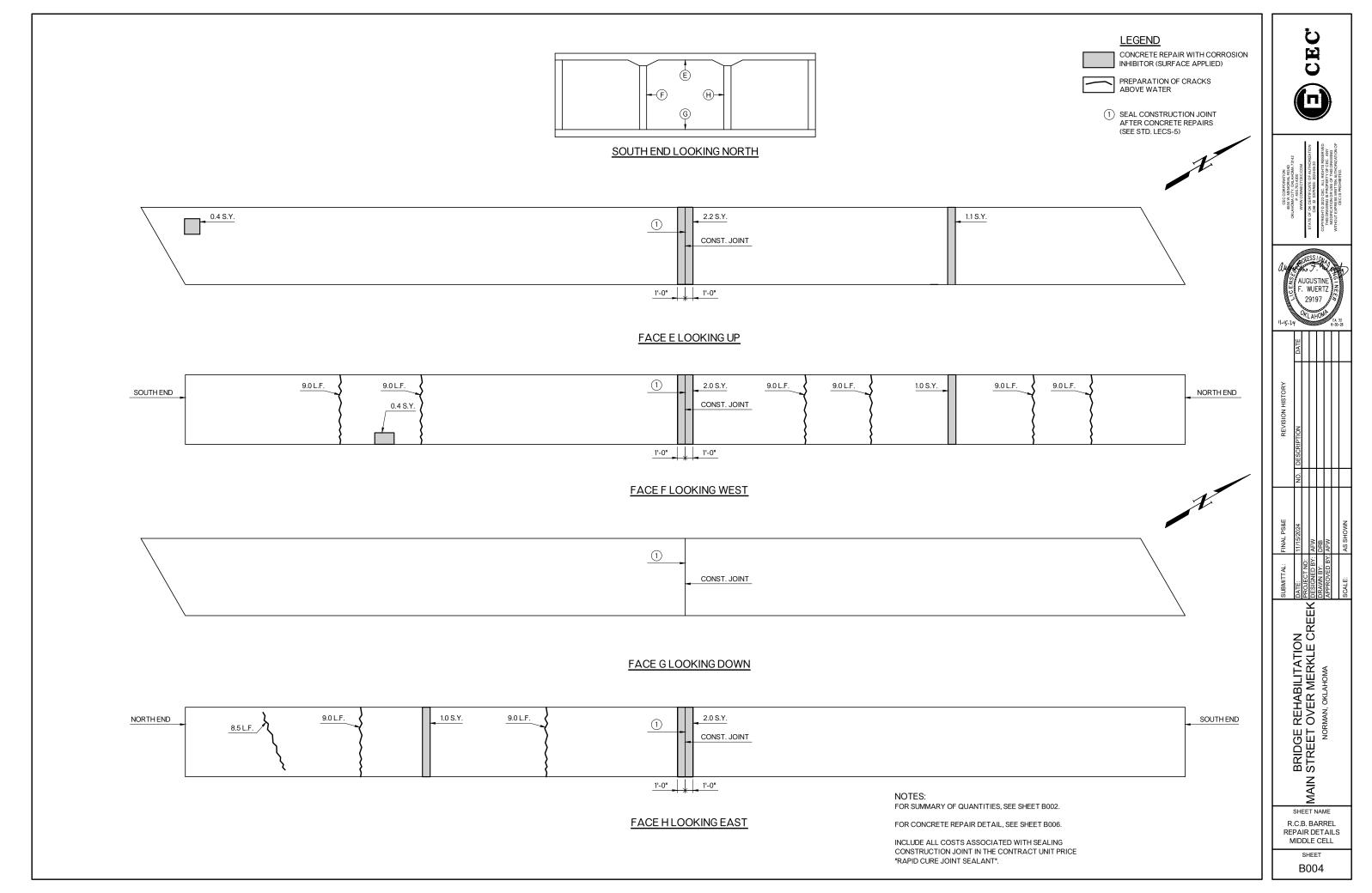
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FINAL PS&E	11/15/2024		AFW	DRB	AFW	AS SHOWN	
	NO.						
REVISION HISTORY	DESCRIPTION						

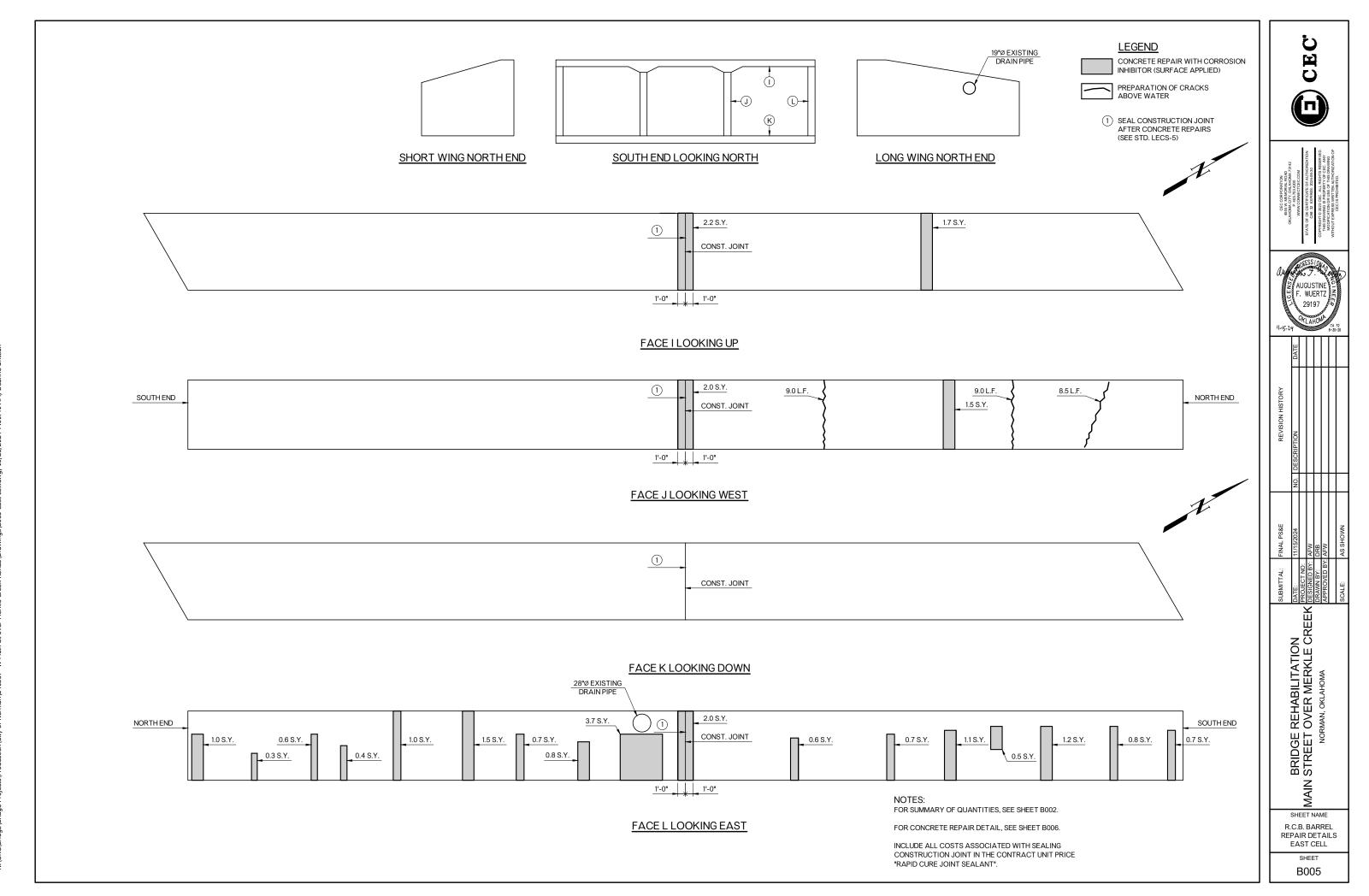
BRIDGE REHABILITATION STREET OVER MERKLE CREI

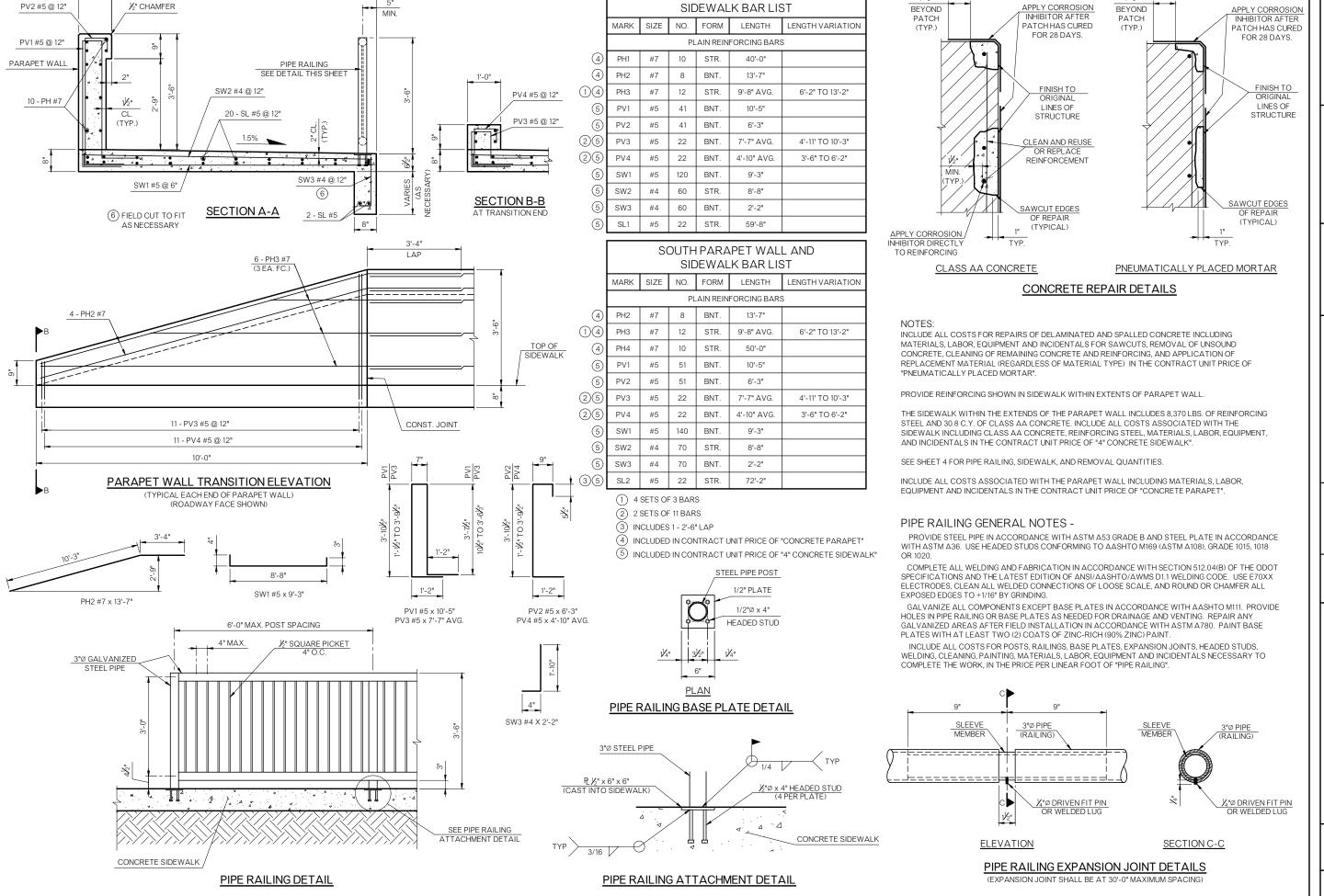
SHEET NAME GENERAL PLAN AND ELEVATION (2 OF 2)

B002









NORTH PARAPET WALL AND

1'-0"

1'-0'

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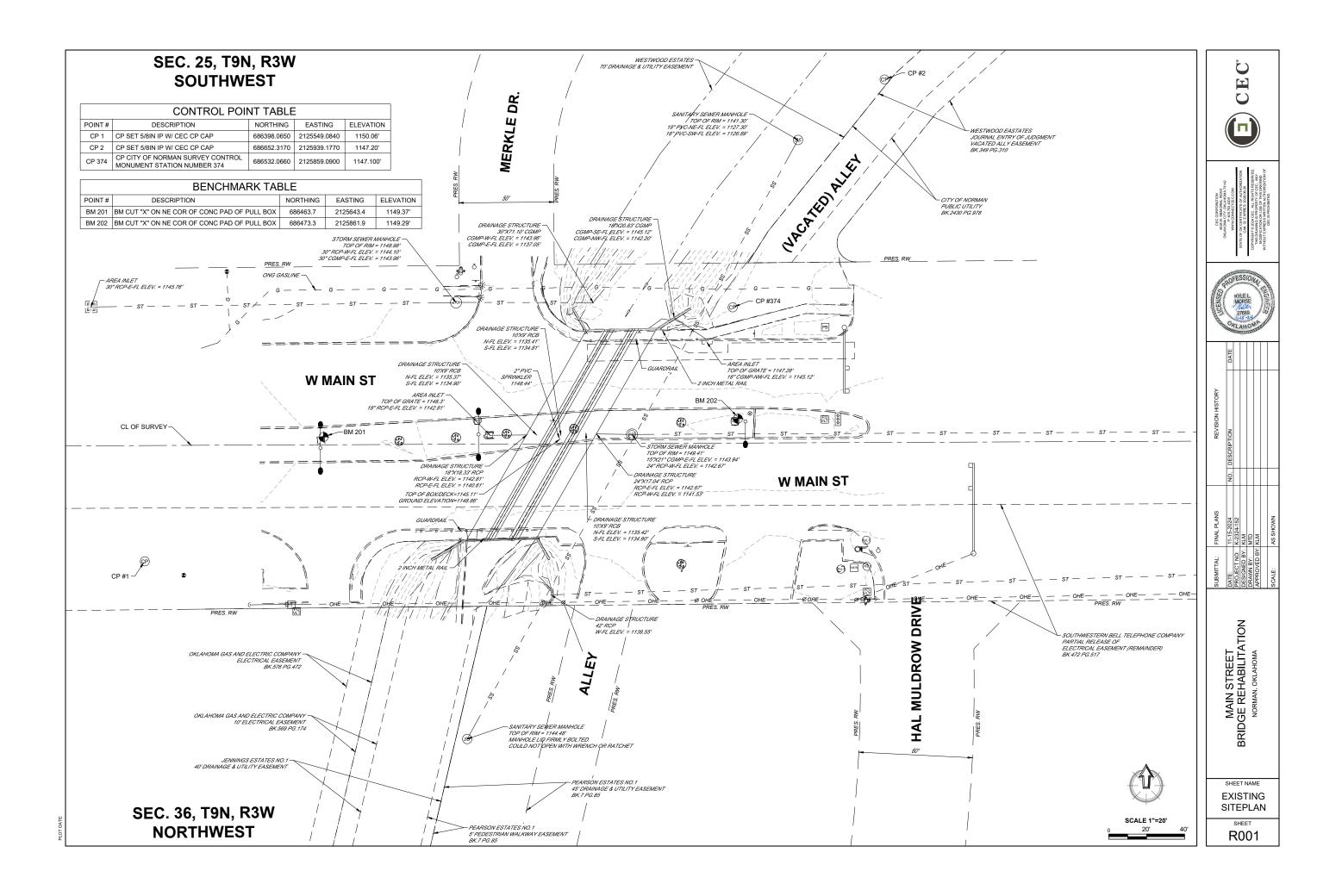
E REHABILITATION

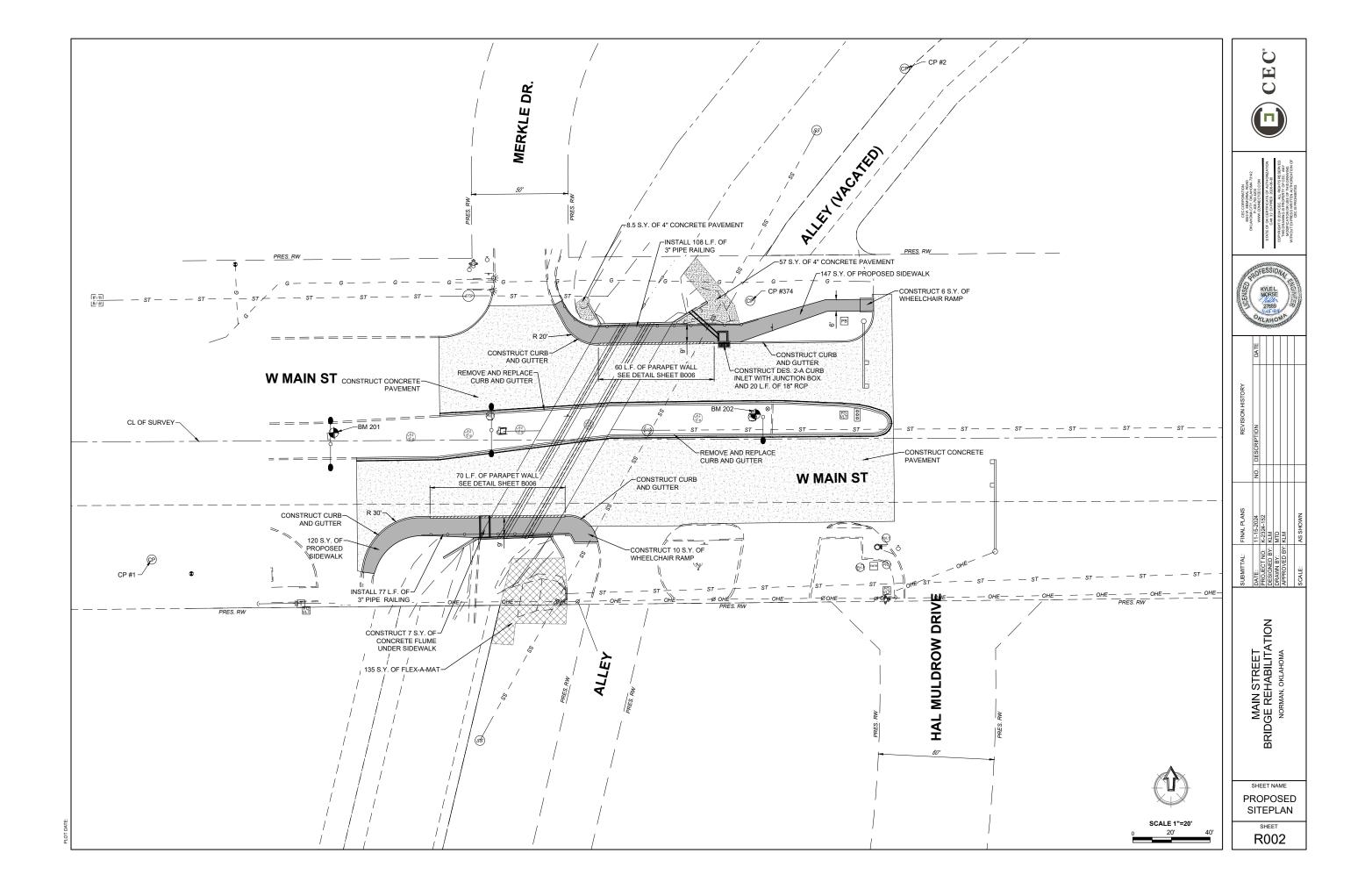
T OVER MERKLE CREEK

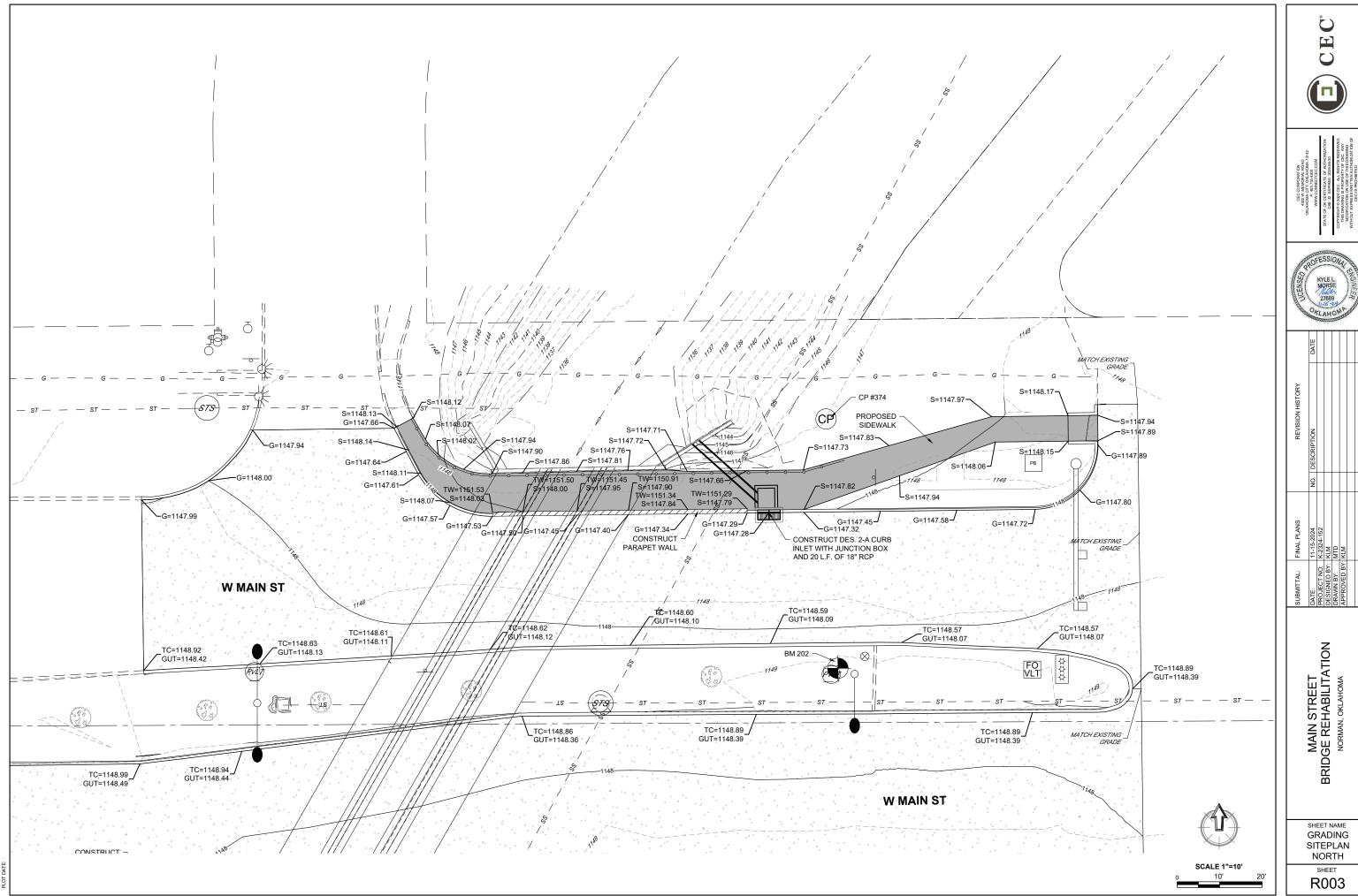
PRIMAN, OKLAHOMA BRIDGE F STREET

SHEET NAME R.C.B. BARREL REPAIR DETAILS

8'-0"

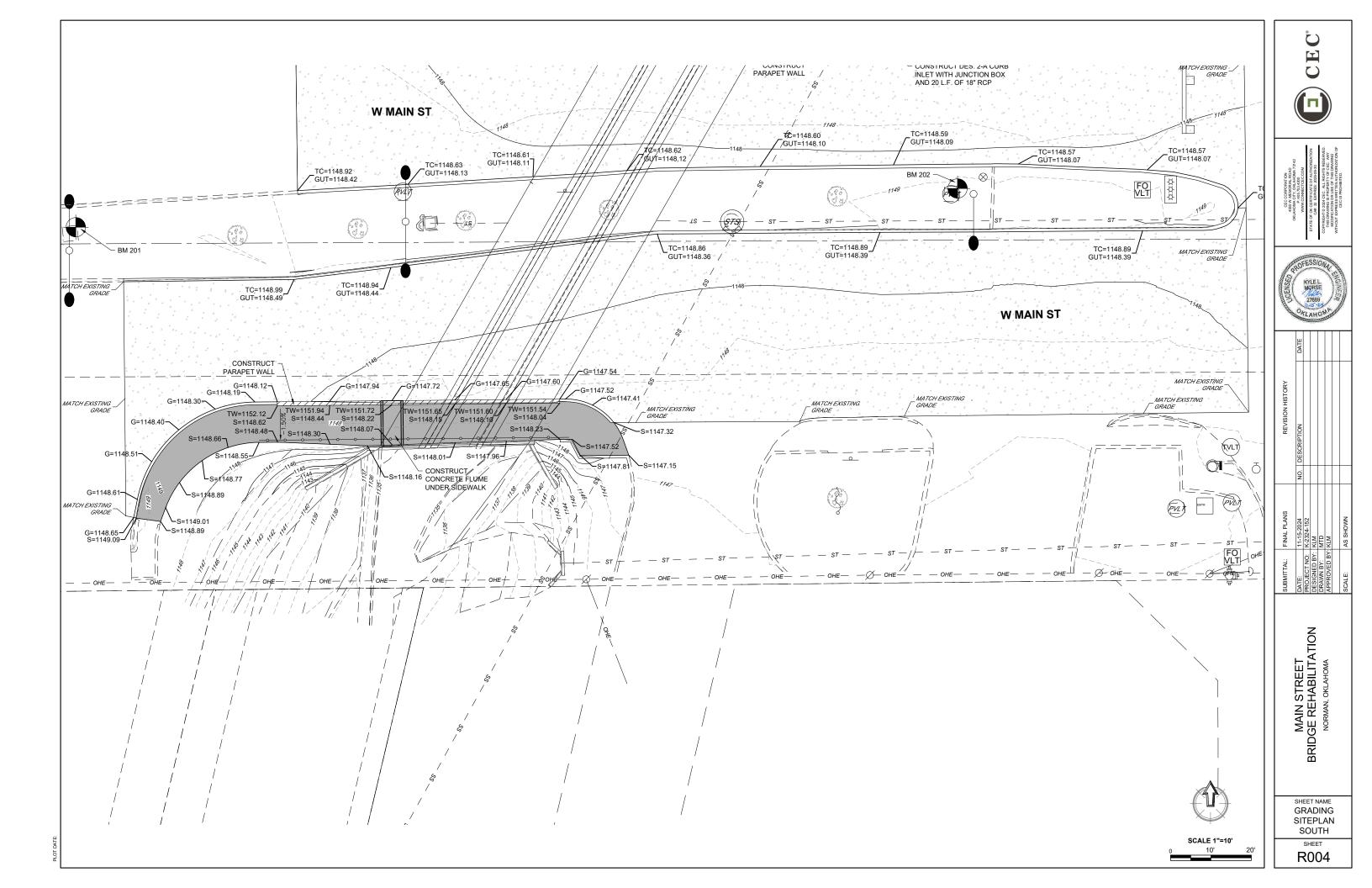


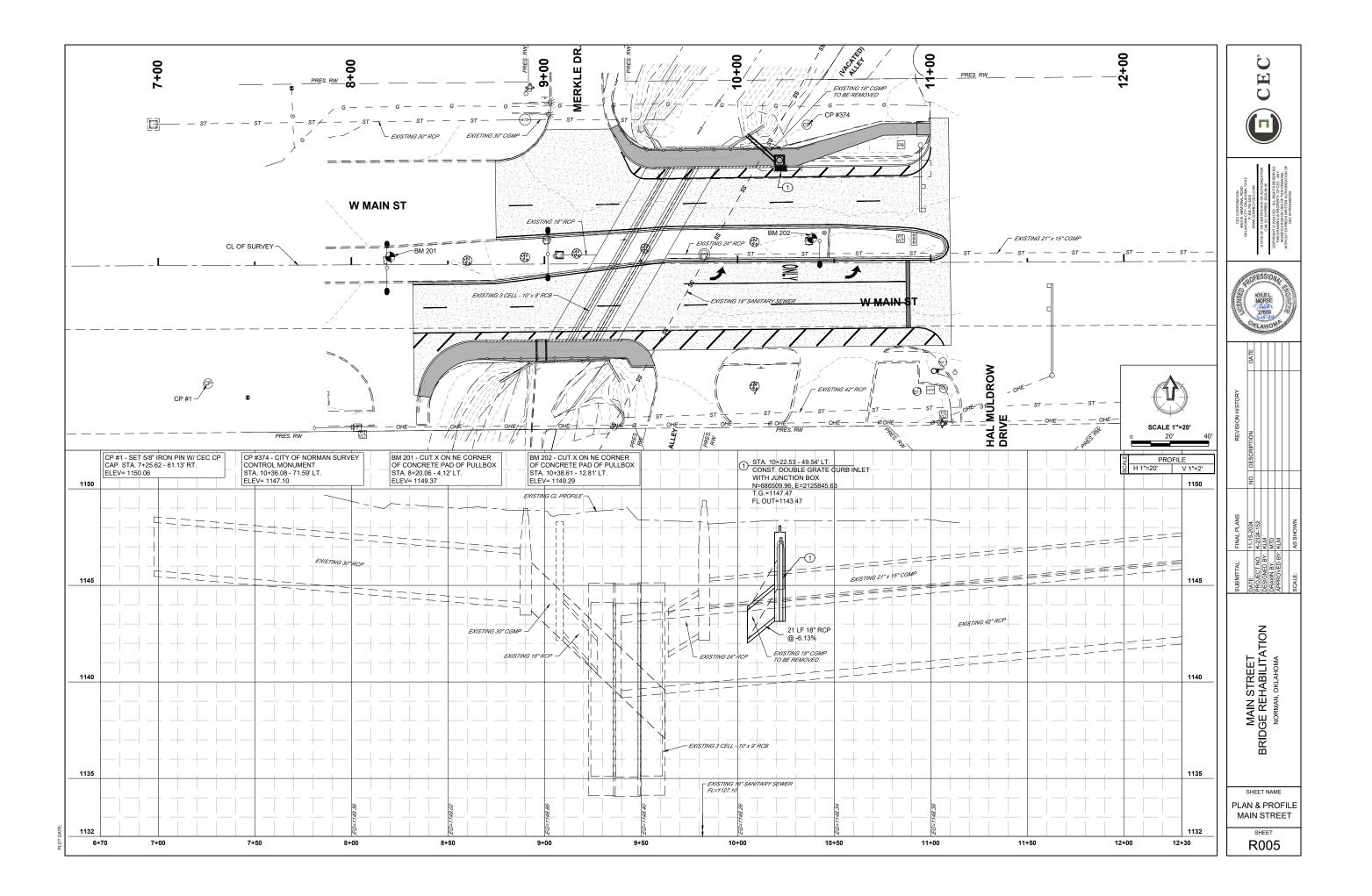


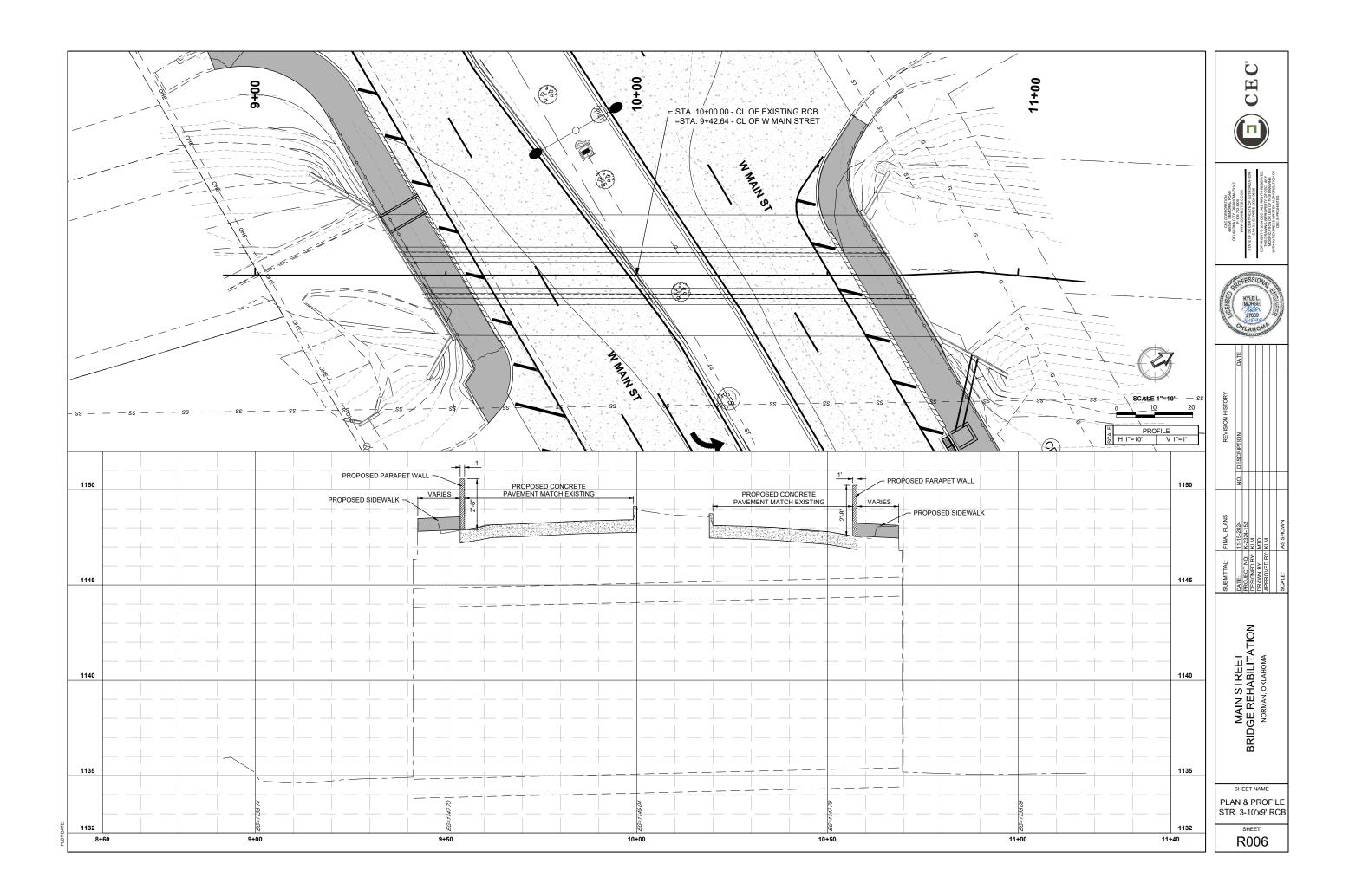


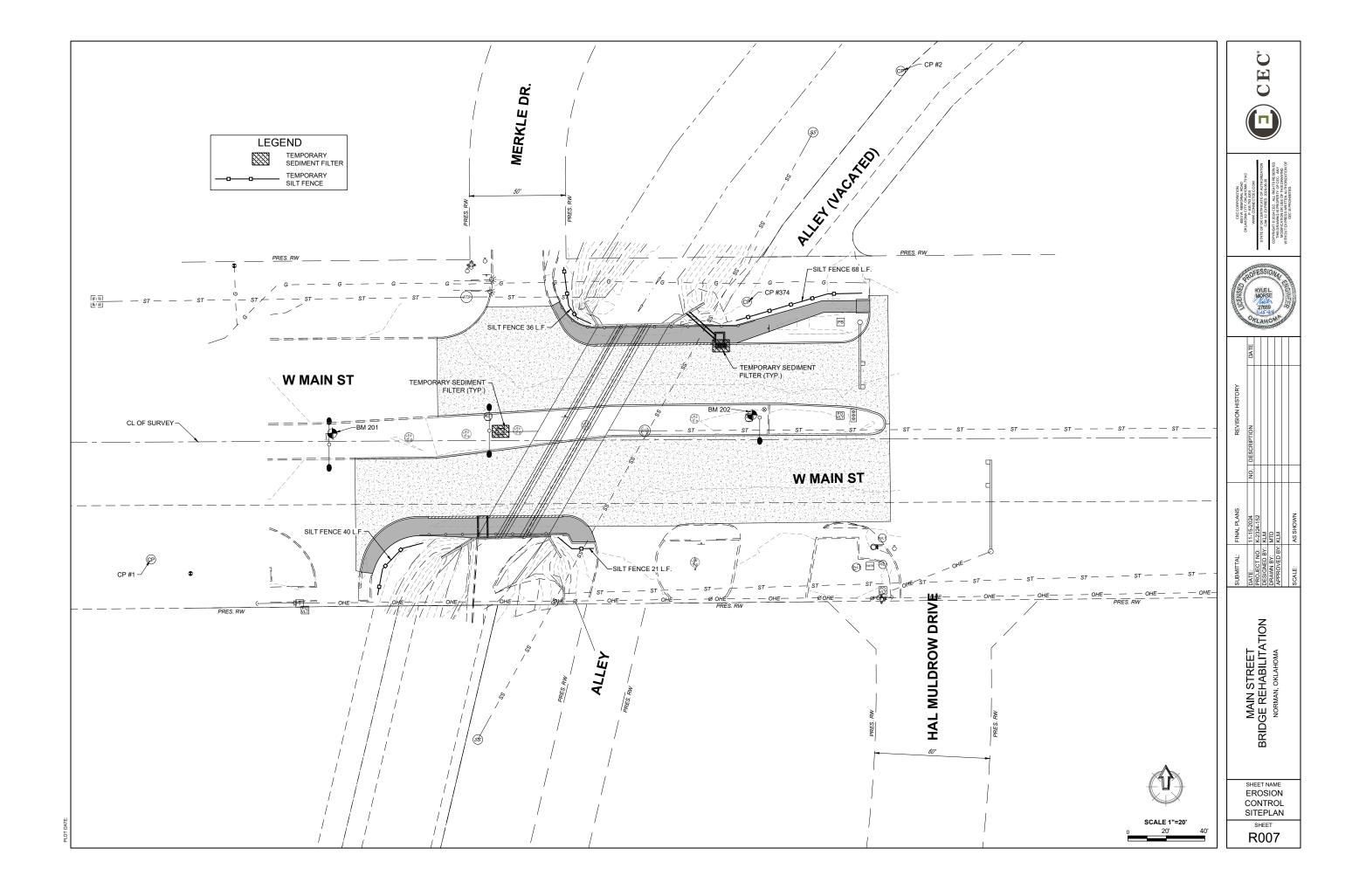
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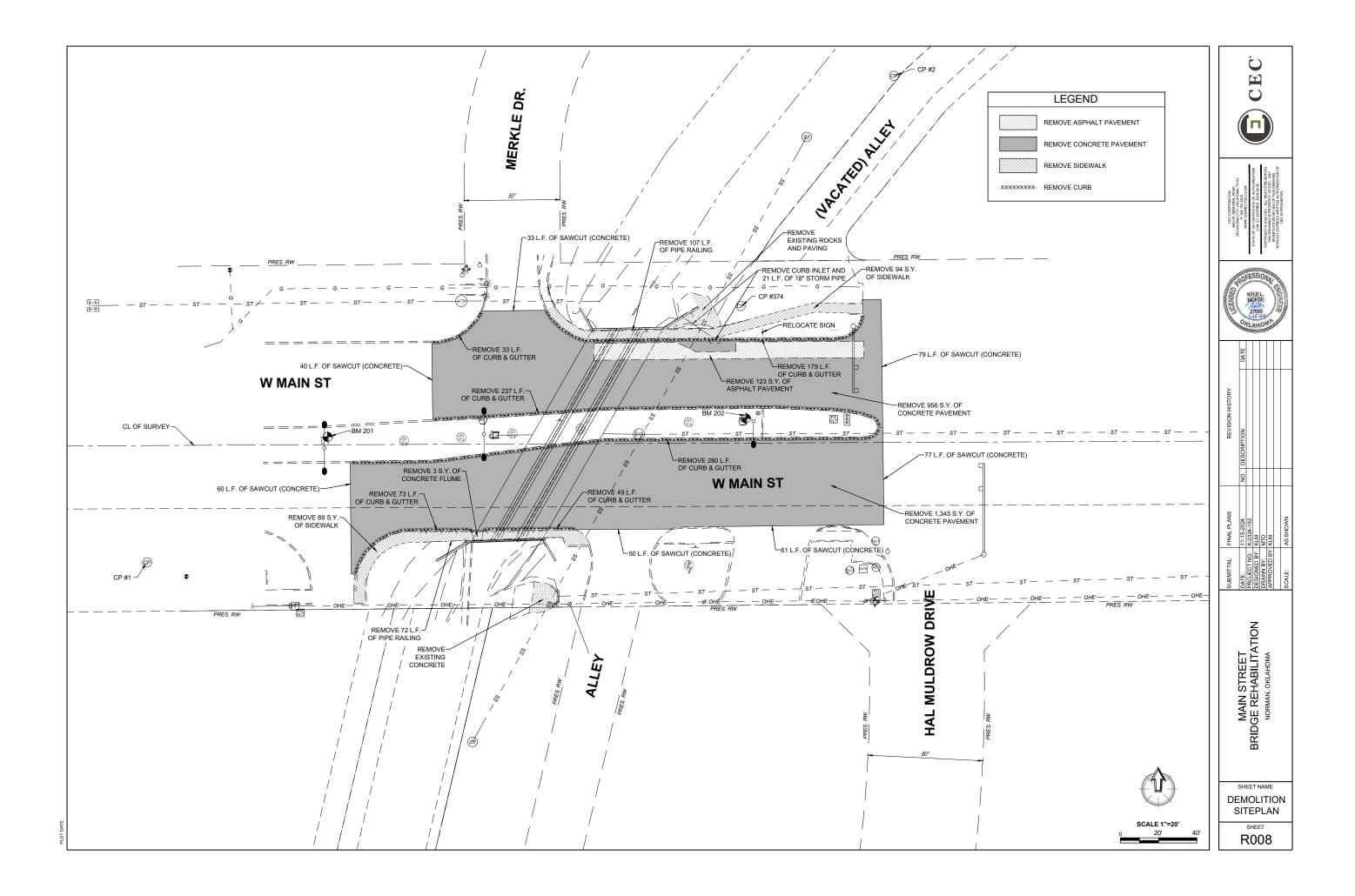
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DATE:	11-15-2024	Ŏ.	NO. DESCRIPTION	ă
PROJECT NO: K-2324-152	K-2324-152			
DESIGNED BY: KLM	KLM			
DRAWN BY:	MTD			
APPROVED BY: KLM	KLM			
SCALE:	AS SHOWN			

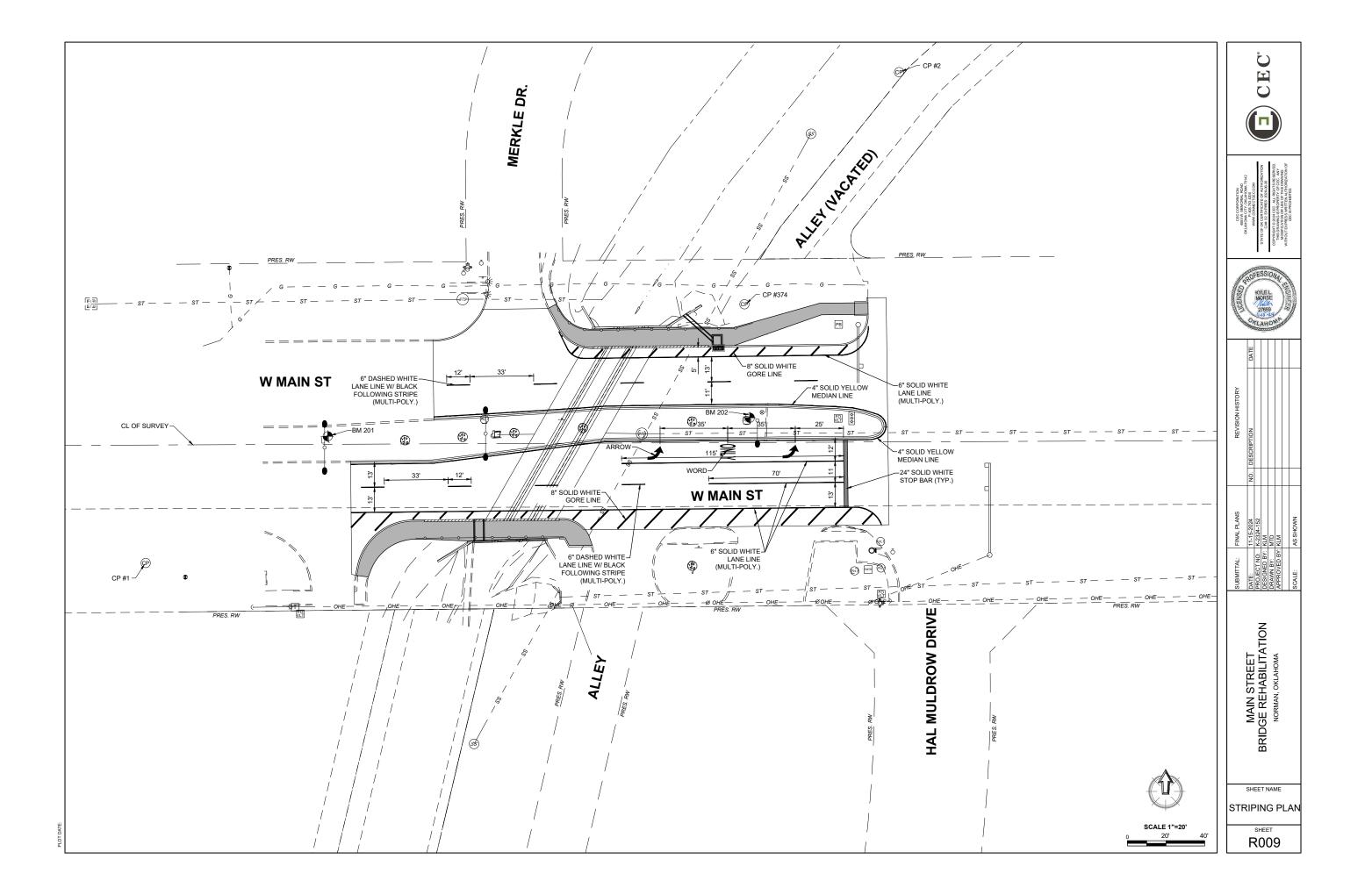


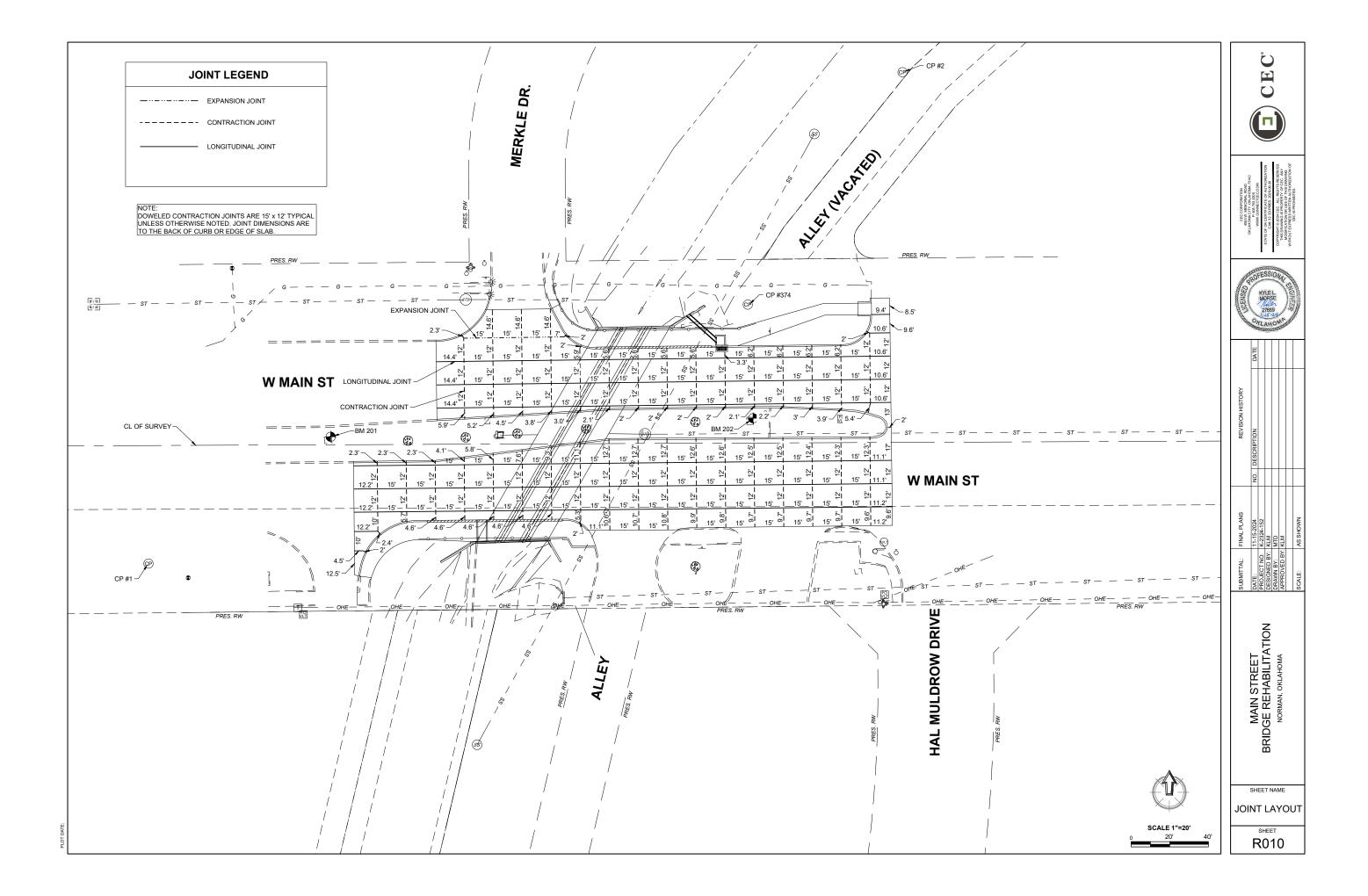












SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 1

- A. INSTALL TRAFFIC CONTROL SIGNAGE ALONG MAIN STREET WEST AND EAST OF THE CONSTRUCTON AREA AS SHOWN ON SHEET R012 R014.
- B. INSTALL TRAFFIC CONTROL DEVICES AND STRIPING FOR ONE WAY TRAFFIC GOING WESTBOUND ALONG MAIN STREET FROM THE STA. 7+59.70 TO STA. 14+03.05.
- C. INSTALL TRAFFIC CONTROL DEVICES AND STRIPING FOR ONE WAY TRAFFIC GOING EASTBOUND ALONG MAIN STREET FROM THE STA. 6+83.77 TO STA. 11+11.30.
- D. DRIVEWAY AT MERKLE DRIVE WILL BE CLOSE DURING THE CONSTRUCTON OF PHASE 2, TRAFFIC ACCES TO MERKLE DRIVE WILL USE THE EXISTING DRIVEWAY AT STA. 7+23.05.
- E. SHIFT TRAFFIC ONTO WESTBOUND DETOUR CONFIGURATION FROM STA. 7+59.70 TO STA. 14+03.05.
- F. SHIFT TRAFFIC ONTO EASTBOUND DETOUR CONFIGURATION FROM STA. 6+83.77 TO STA. 11+11.30

PHASE 2

A. WITH TRAFFIC OPERATING IN THE CURRENT CONFIGURATION ALONG MAIN STREET, CONSTRUCT PHASE 2 ON THE NORTH AND SOUTH SIDES OF MAIN STREET AS SHOWN ON SHEET R013.

PHASE 3

- A. TRAFFIC CONTROL SIGNAGE ALONG MAIN STREET WEST AND EAST OF THE CONSTRUCTON AREA WILL REMAIN IN PLACE.
- B. INSTALL TRAFFIC CONTROL DEVICES AND STRIPING FOR PHASE 3 (ONE WAY TRAFFIC GOING WESTBOUND) ALONG MAIN STREET FROM THE STA. 7+59.70 TO STA. 14+03.05 INSTALL TRAFFIC CONTROL DEVICES AND STRIPING FOR PHASE 3 (ONE WAY TRAFFIC GOING EASTBOUND) ALONG MAIN STREET FROM THE STA. 6+83.77 TO STA. 11+11.30.
- C. SHIFT TRAFFIC ONTO WESTBOUND DETOUR CONFIGURATION FOR PHASE 3 FROM STA. 7+59.70 TO STA. 14+03.05. SHIFT TRAFFIC ONTO EASTBOUND DETOUR CONFIGURATION FOR PHASE 3 FROM STA. 6+83.77 TO STA. 11+11.30
- B. WITH TRAFFIC OPERATING IN THE CURRENT CONFIGURATION ALONG MAIN STREET, CONSTRUCT PHASE 3 ON THE NORTH AND SOUTH SIDES OF MAIN STREET AS SHOWN ON SHEET R016.

PHASE 4

- A. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND STRIPING. INSTALL FINAL PROPOSED TRAFFIC CONTROL DEVICES AND STRIPING FOR WESTBOUND AND EASTBOUND TRAFFIC ALONG MAIN STREET.
- B. OPEN ALL ROADWAYS TO NORMAL TRAFFIC OPERATIONS.

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SUBMITTAL:	FINAL PLANS		REVISION HISTORY		
DATE:	11-15-2024	o Q	NO. DESCRIPTION	DATE	
PROJECT NO: K-2324-152	K-2324-152				
DESIGNED BY: KLM	KLM				
DRAWN BY:	MTD				
APPROVED BY: KLM	KLM				
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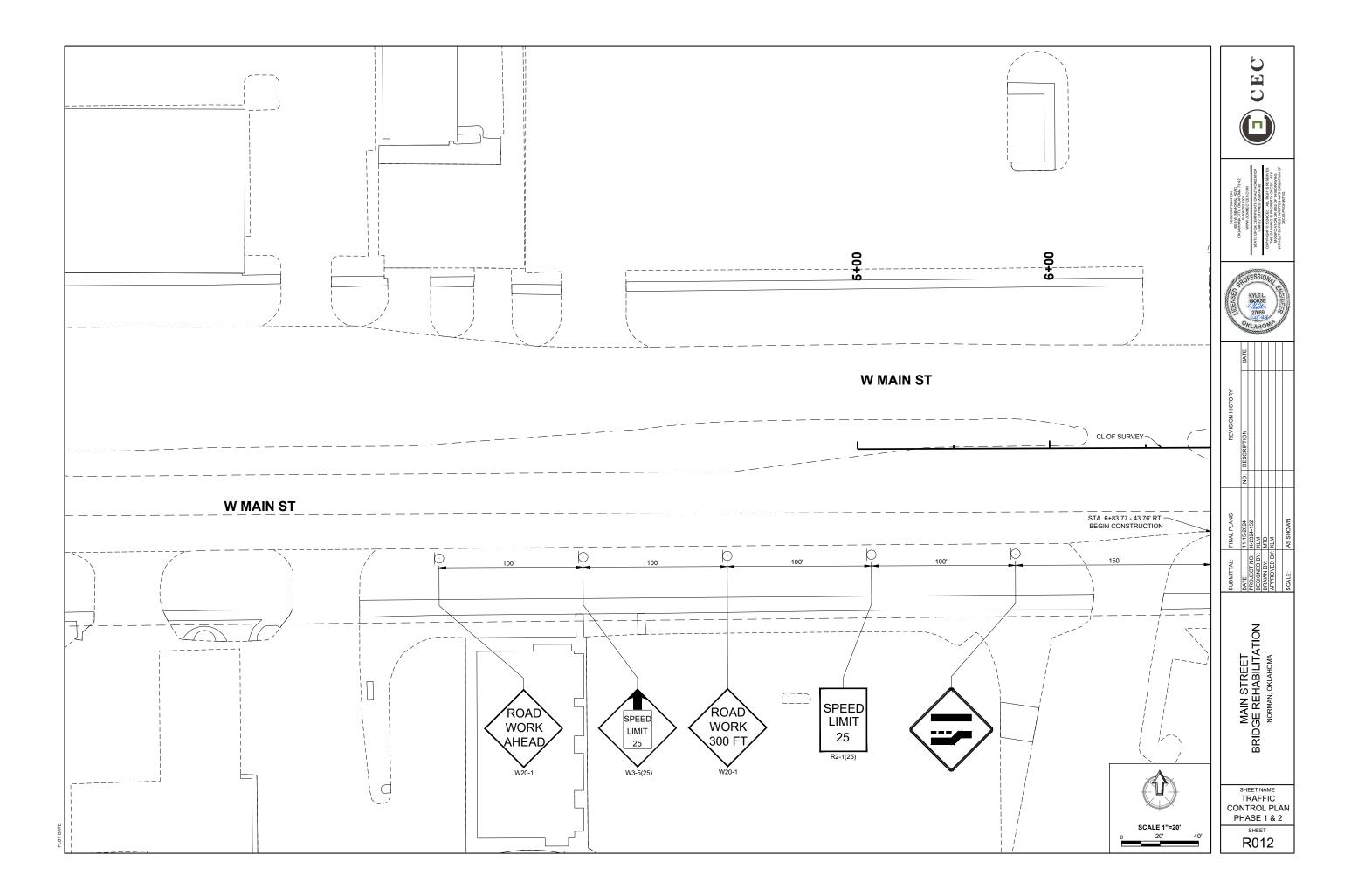
MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

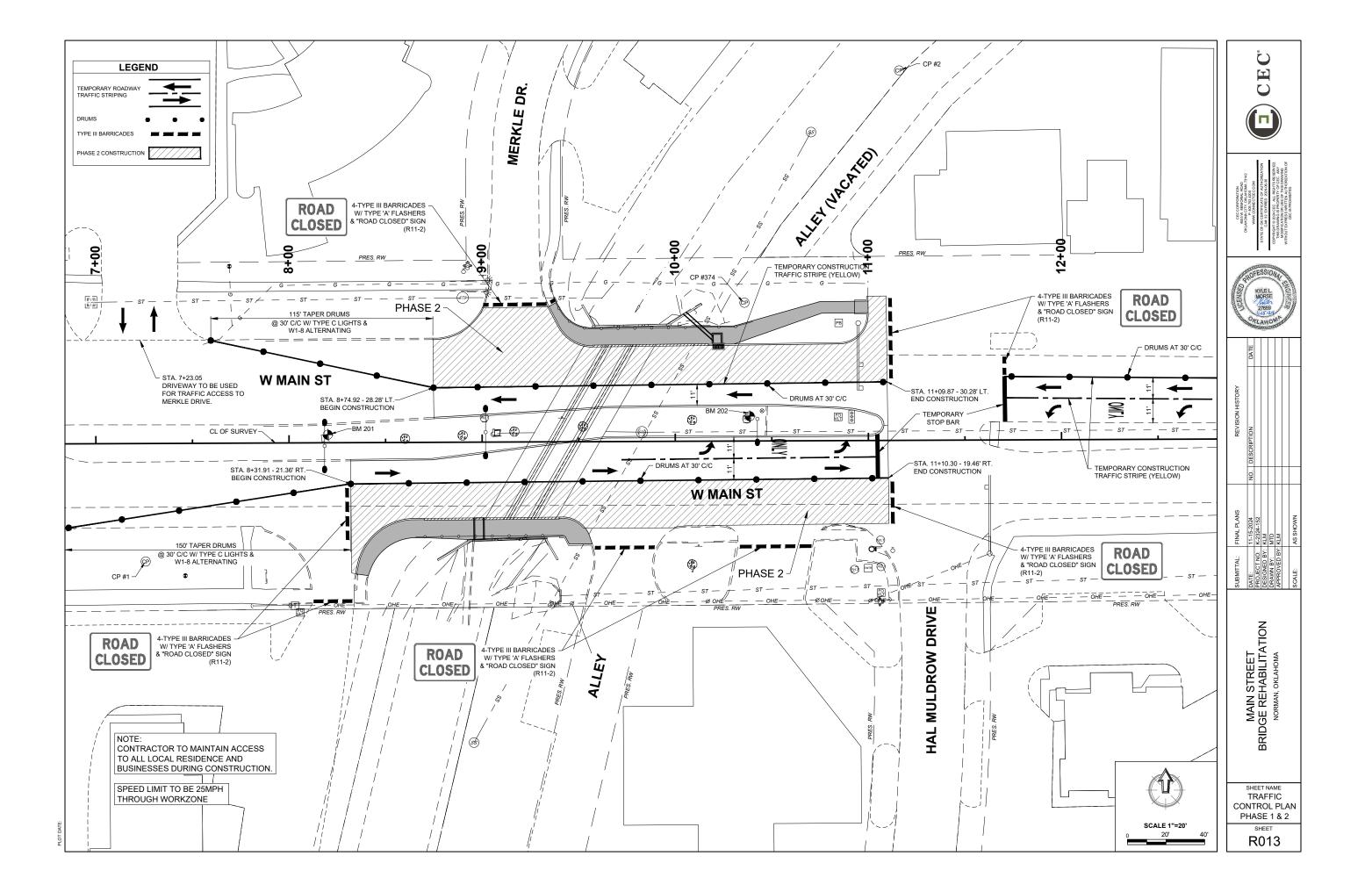
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CONSTRUCTION

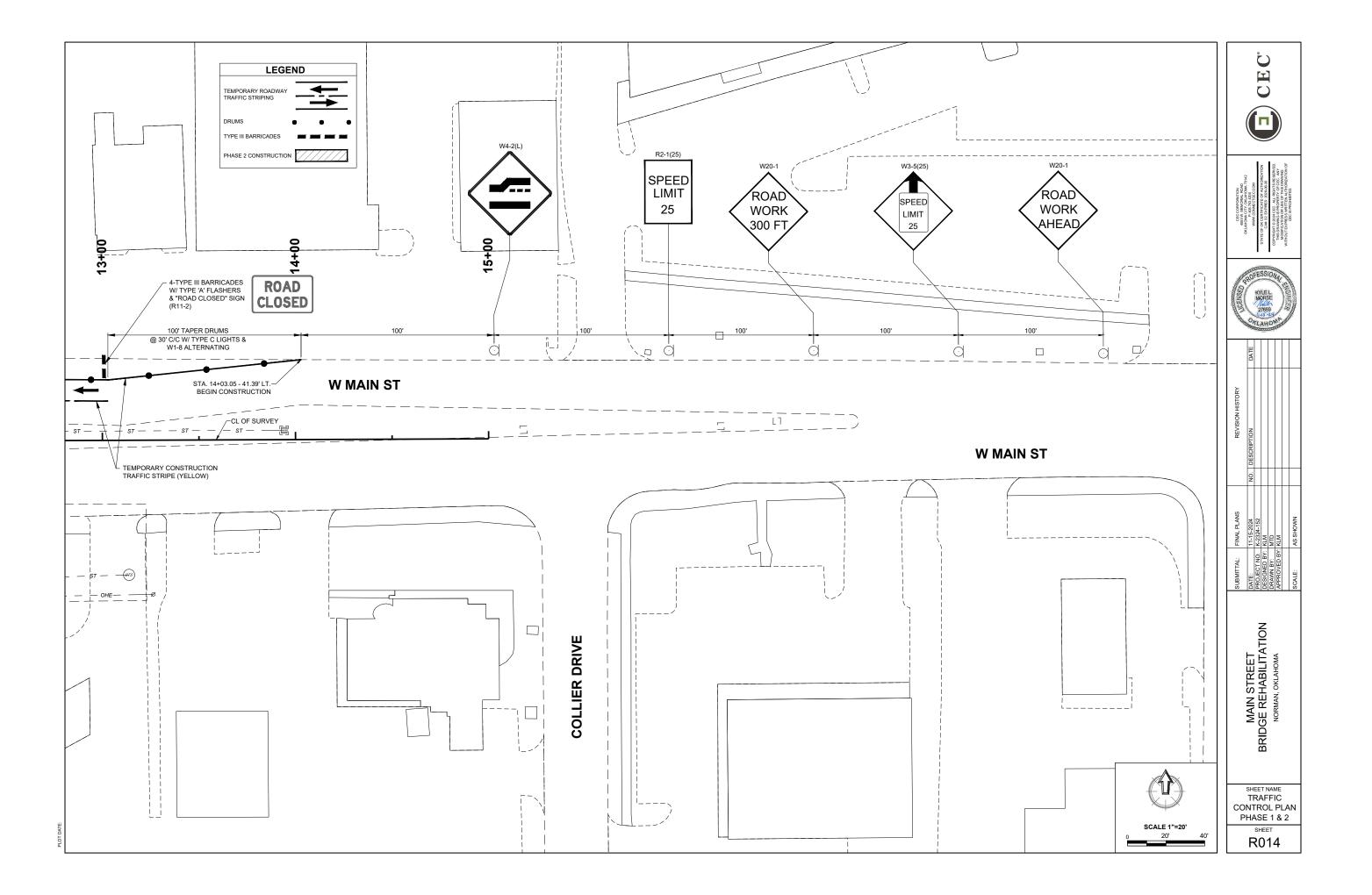
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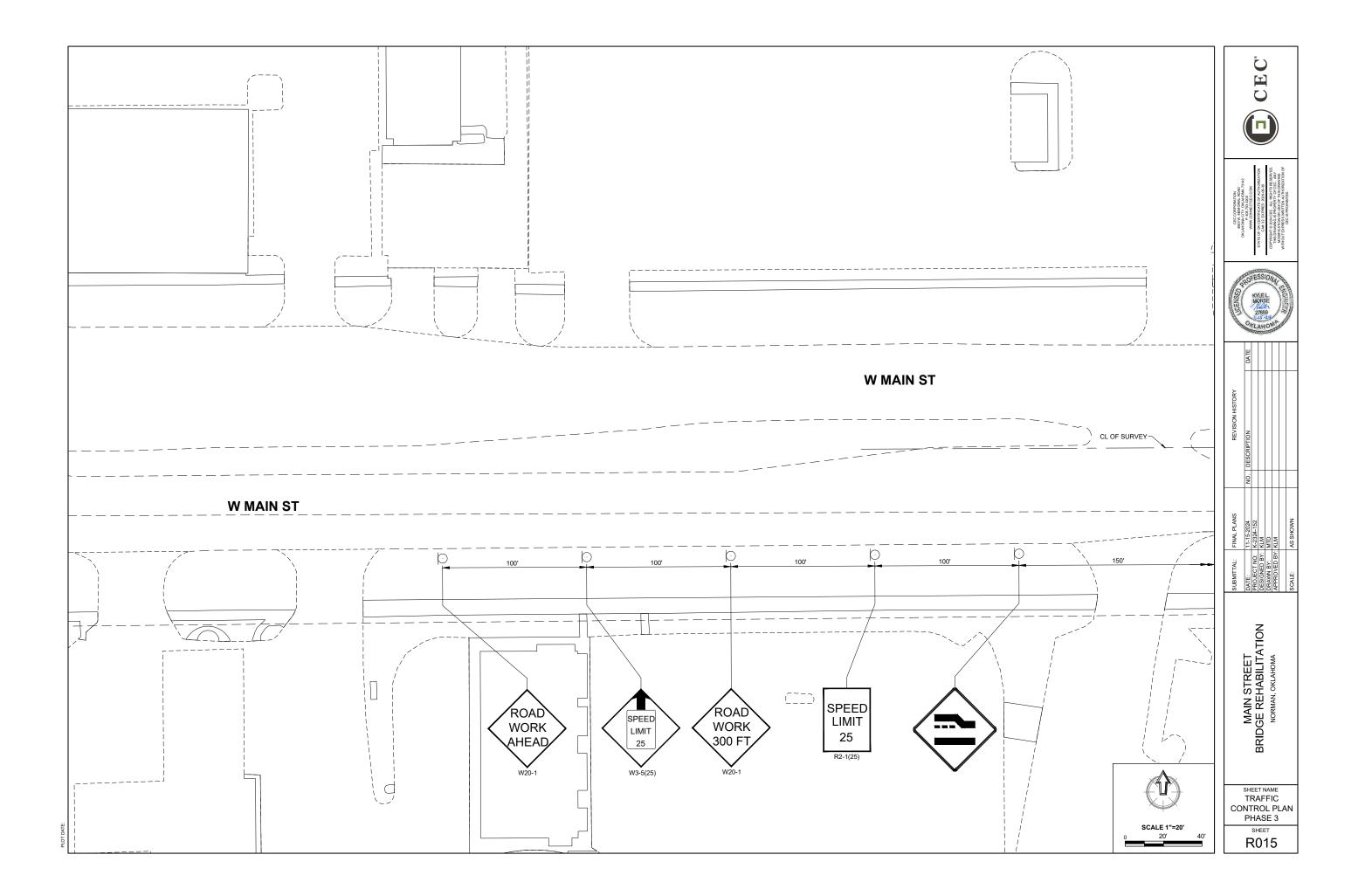
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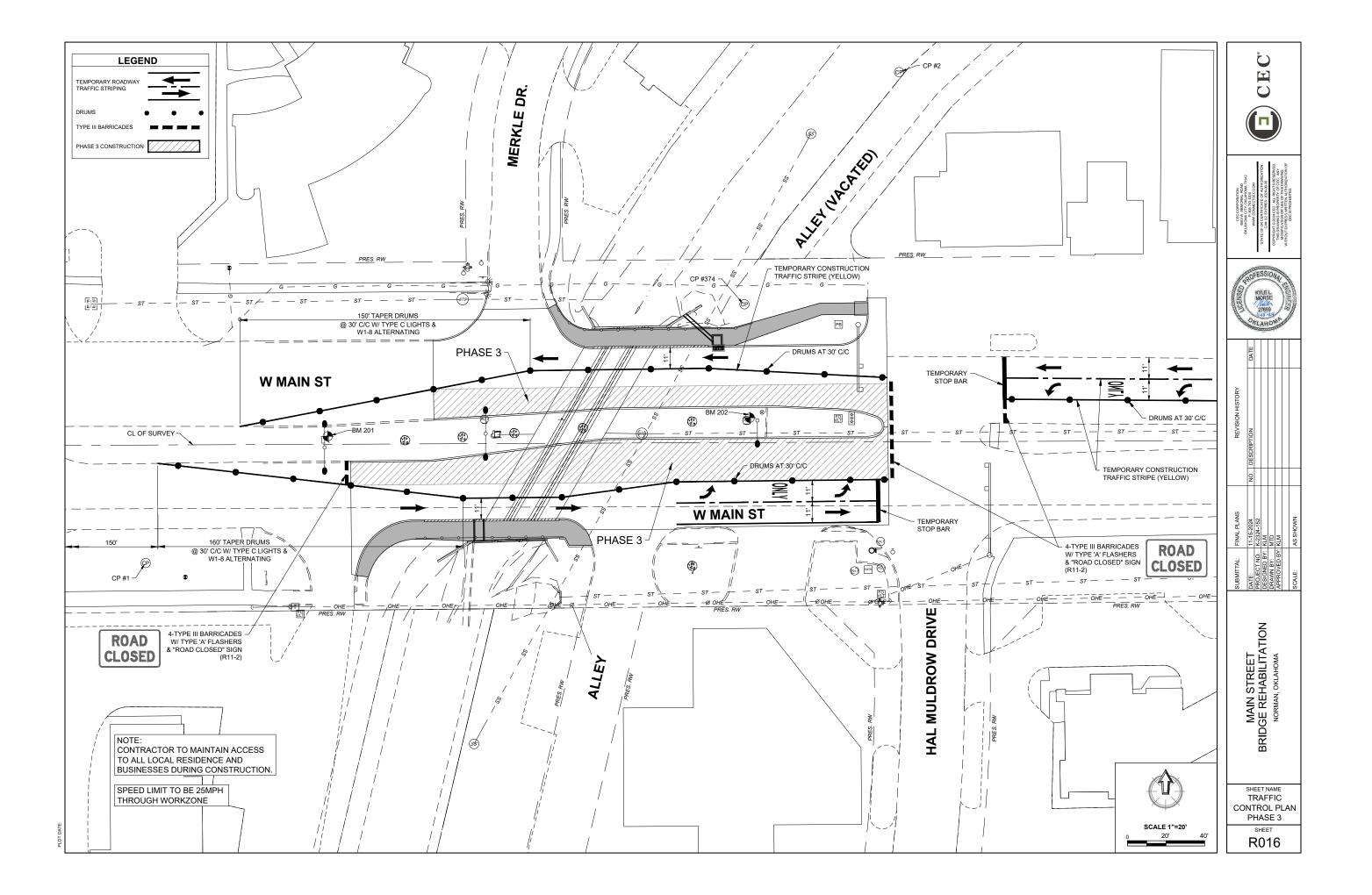
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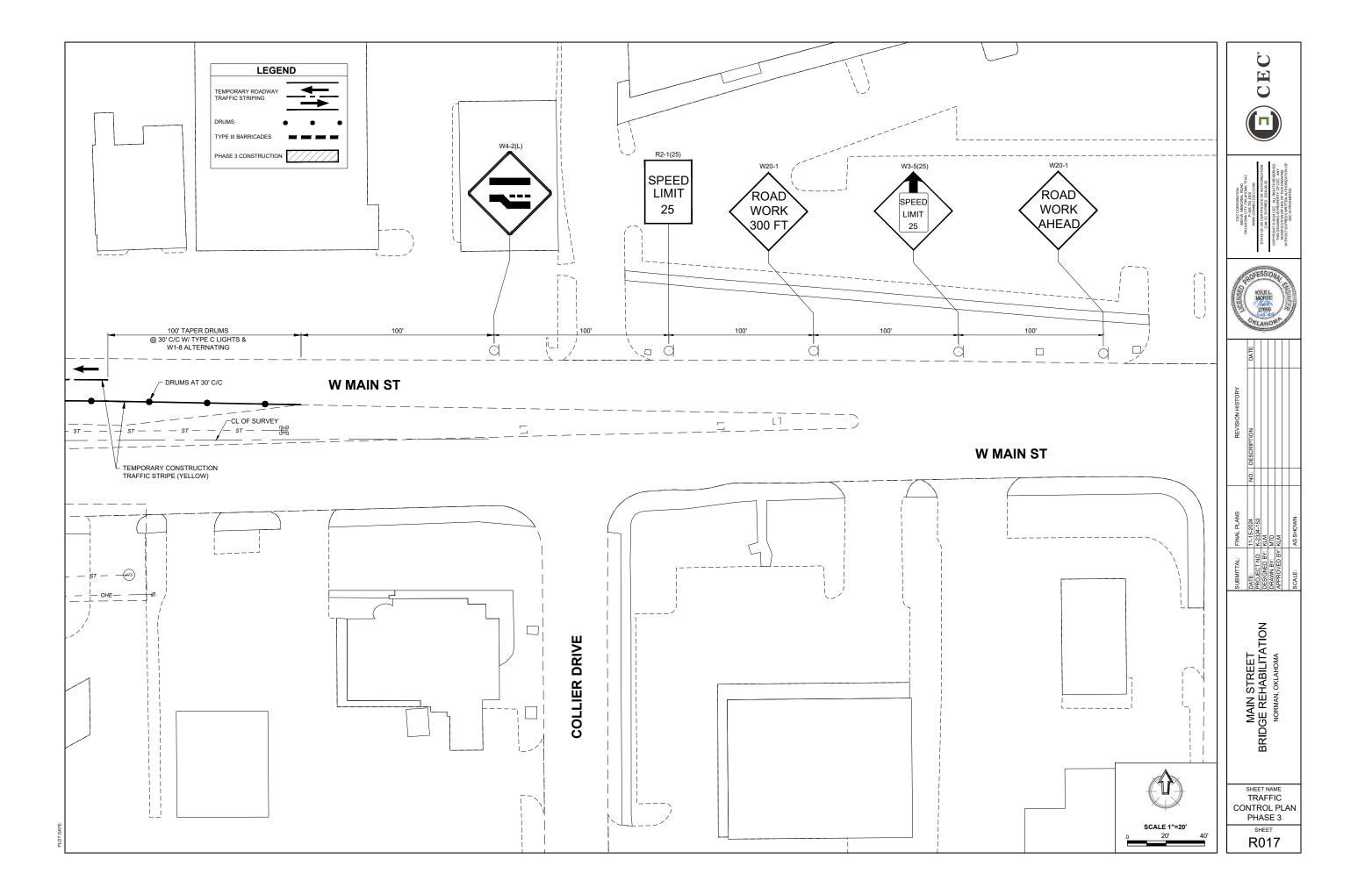


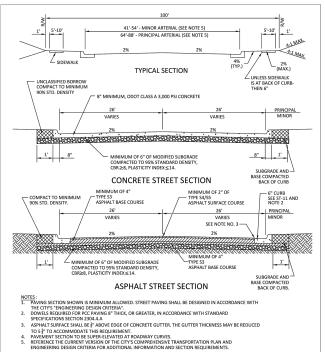




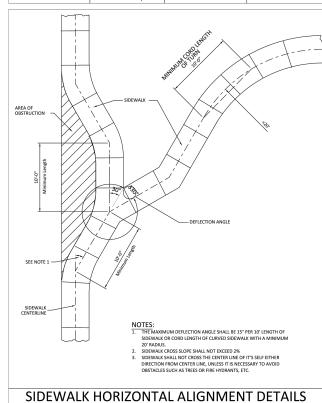








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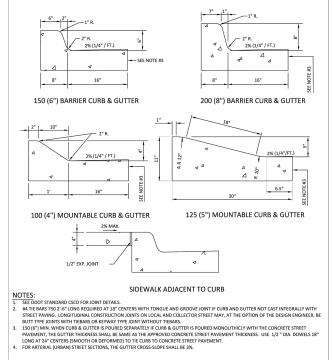


REVISION DATE: 02/2023 REV. NO.

CITY OF NORMAN, OKLAHOMA

00 DRAWING NO. ST 14B

CITY ENGINEER APPROVAL

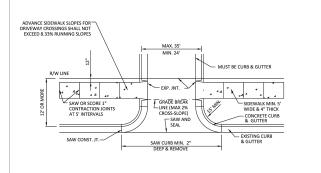


CURB AND GUTTER CITY ENGINEER APPROVAL: CITY OF NORMAN, OKLAHOMA

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DRAWING NO. ST 11

REVISION DATE: 02/2023 REV. NO.



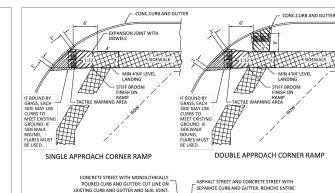
- OI ES:
 DRIVEWAY SHALL BE DESIGNED TO ACCOMMODATE LARGEST TRUCK TO USE IT.
 REFER TO BRIVE WAY APPROACH STANDARDS 57-24 THROUGH 57-27.
 REFER TO BRIVE WAY APPROACH SPAPILAT STREET, SANING AMD SEAUING WILL NOT BE REQUIRED. CONCRETE DRIVEWAY WILL NEED TO BE
 THE CONCRETE DRIVEWAY ABJUST AN APPILAT STREET, SANING AMD SEAUING WILL NOT BE REQUIRED. CONCRETE DRIVEWAY WILL NEED TO BE
- ELOSELY.

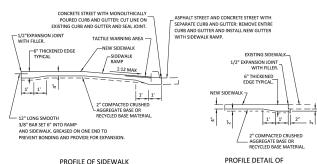
 IF CONCRETE DRIVEWAY ABUTS A CONCRETE STREET THE DRIVEWAY SHALL BE CONNECTED TO THE STREET USING A KEYWAY OR TIE BARS. THE TIE BAR SHALL BE "A BARS IS!" LONG REQUIRED AT 24" CENTERS.

 REFERENCE THE CURRENT VERSION OF THE CITY'S COMPREHENSIVE TRANSPORTATION PLAN AND ENGINEERING DESIGN CRITERIA FOR ADDITIONAL INFORMATION AND DRIVEWAY REQUIREMENTS.

COMMEDIAL DRIVEWAY TYPE II DRIVEWAY ADDROACH

COMMERCIAL	DRIVE	WAI, 1	IFE	THE II DRIVE WAT APPROACH			
CITY ENGINEER APPROVAL:				CITY OF NOR	MAN, OKLAHOMA		
APPROVAL DATE:	REVISION DATE:	02/2023	REV. NO.	00	DRAWING NO. ST 18		





PROFILE OF SIDEWALK

NOTES:

1. CROSS SLOPE OF LANDING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION.

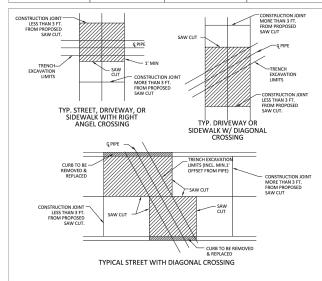
2. 6" THICKENING AND 3/8" SMOOTH DOWEL AND SHALL BE USED TO CONNECT NEW SIDEWALK TO EXISTING DRIVEWAY.

3. ALL SIDEWALKS AND PEDESTRAN RAMIF SHALL BE COMPLIANT WITH THE MOST CURRENT VERSION OF THE ADA STANDARDS AND THE PUBLIC RIGHTS OF WAY ACCESSIBILTY GUIDELINES (PROVIDE).

4. FOR ADDITIONAL RAMIP CONFIGURATIONS, SEE THE CURRENT VERSION OF THE ODDT WHEEL CHAIR RAMIP DETAILS WCR-3)

SIDEWALK CONNECTIONS

SIDEWALK DETAILS & WHEELCHAIR RAMP CITY ENGINEER APPROVAL: CITY OF NORMAN, OKLAHOMA DRAWING NO. ST 14 REVISION DATE: 02/2023 REV. NO. 00



- NOTES:

 1. REMOVE AND REPLACE PAVEMENT WITHIN SHADED AREAS BOUNDED BY SAW CUTS AND/OR CONSTRUCTION JOINTS.

 2. FOR DIAGONAL CROSSING, REPLACE PAVEMENT USING SQUARED CUTS, AS SHOWN, PAY QUANTITY WILL INCLUDE SQUARED AREA.

 3. REMOVE AND REPLACE PAVEMENT TO CONSTRUCTION JOINT IF LESS THAN 3 FT. FROM PROPOSED SAW CUT. EXTRA AREA WILL BE INCLUDED IN PAY QUANTITY WILL SAVE AND PROPOSED SAW CUT. EXTRA AREA WILL BE INCLUDED IN PAY QUANTITY.
- PAY QUANTITY.

 FOR LONGTUDINAL INSTALLATIONS: REMOVE AND REPLACE PAVEMENT AND CURB TO EDGE OF STREET, IF THE SAW CUT IS LESS THAN 3 FT.

 FROM THE OUTSIDE EDGE OF THE PAVEMENT OR CURB. AVOID SAW CUTS IN THE EXISTING WHEEL LINE. TRENCHES EXCEEDING 300 L.F. SHALL

 BE BACKFILLED AND MADE DRIVABLE.

 ALL CONSTRUCTION JOINTS SHALL BE REESTABLISHED IN ACCORDANCE WITH THE CITY OF NORMAN STANDARDS FOR PORTLAND CEMENT
- ALL UNISTINGLIBUTION JOINTS SHALL BE REESTABLISHED IN ACCURAINACE WITH IT BE LITTLY PROMINENTS FAR FOR INTUINING CHEMPING OF CONCRETE PARKENENT, WHICH A NEW APPLIEMENT SCHOOL IS REMOVED A LONG AN EXISTING LONGITUDINAL CONSTRUCTION JOINT, THE NEW PAYEMENT SHALL BE DOWLED TO THE PAYEMENT ADJACENT TO THE JOINT.

 REFERENCE THE CURRENT VERSION OF THE CITY'S COMPREHENSIVE TRANSPORTATION PLAN AND ENGINEERING DESIGN CRITERIA FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ST	ANDAI	RD PA	VEMI	ENT CUT	S	
CITY ENGINEER APPROVAL:				CITY OF NORM	IAN, OKLAHON	1A
APPROVAL DATE:	REVISION DATE:	02/2023	REV. NO.	00	DRAWING NO.	ST 20



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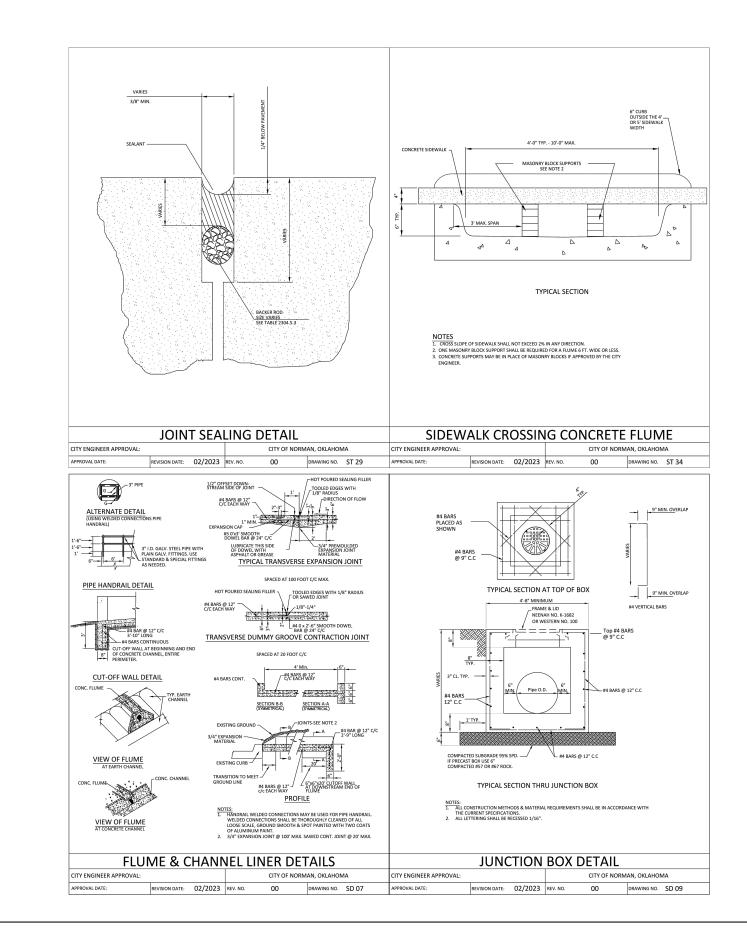


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	REVISION HISTORY	NO. DESCRIPTION					
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	FINAL PLANS	11-15-2024	K-2324-152	KLM	MTD	KLM	NWOHSSA
	SUBMITTAL:	DATE:	PROJECT NO: K-2324-152	DESIGNED BY: KLM	DRAWN BY:	APPROVED BY: KLM	SCALE.

MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

SHEET NAME DETAILS

> SHEET R018







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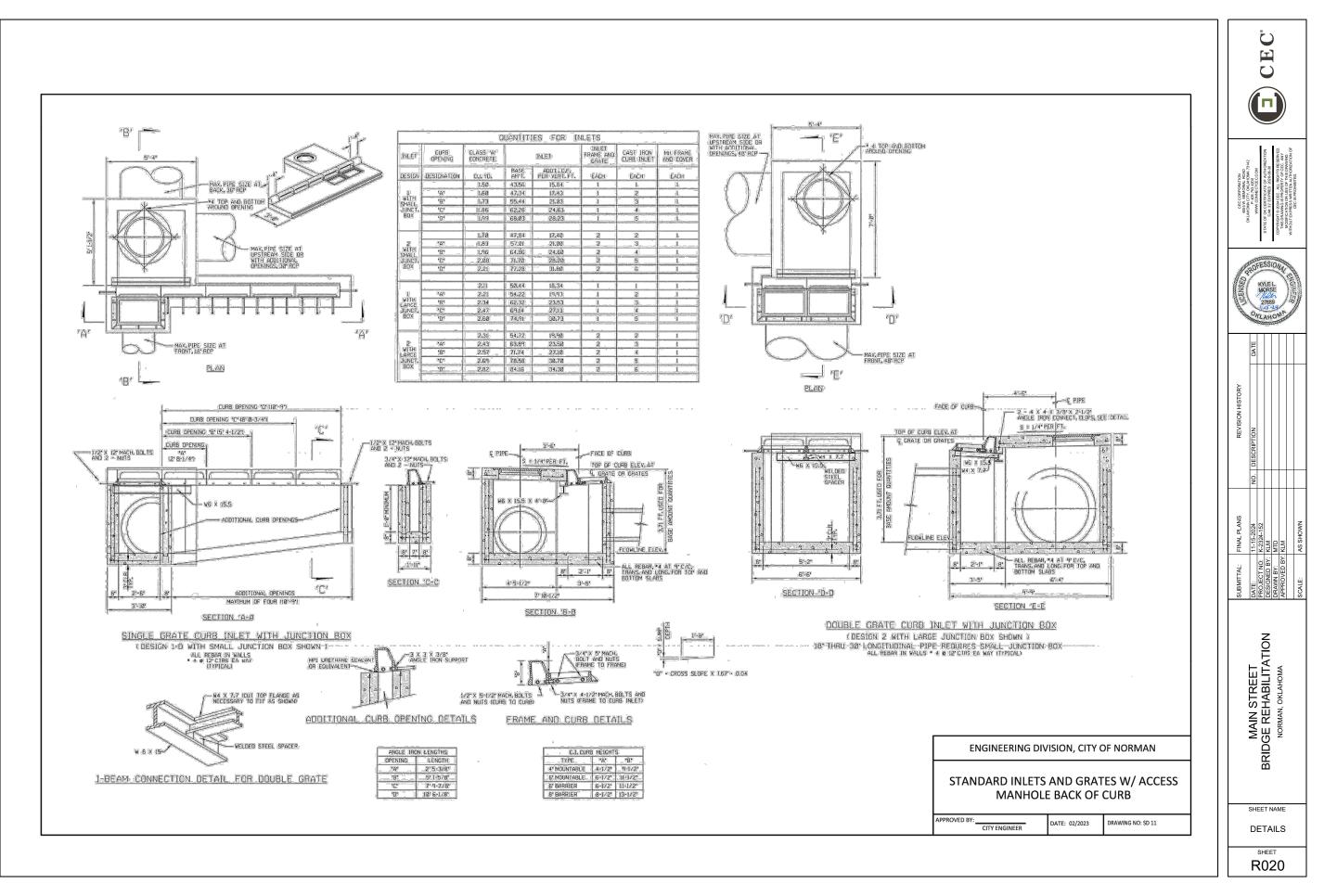
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DATE:	11-15-2024	ON	NO. DESCRIPTION	DATE
PROJECT NO: K-2324-152	K-2324-152			
DESIGNED BY: KLM	KLM			
DRAWN BY:	MTD			
APPROVED BY: KLM	KLM			
SCALE:	AS SHOWN			

MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

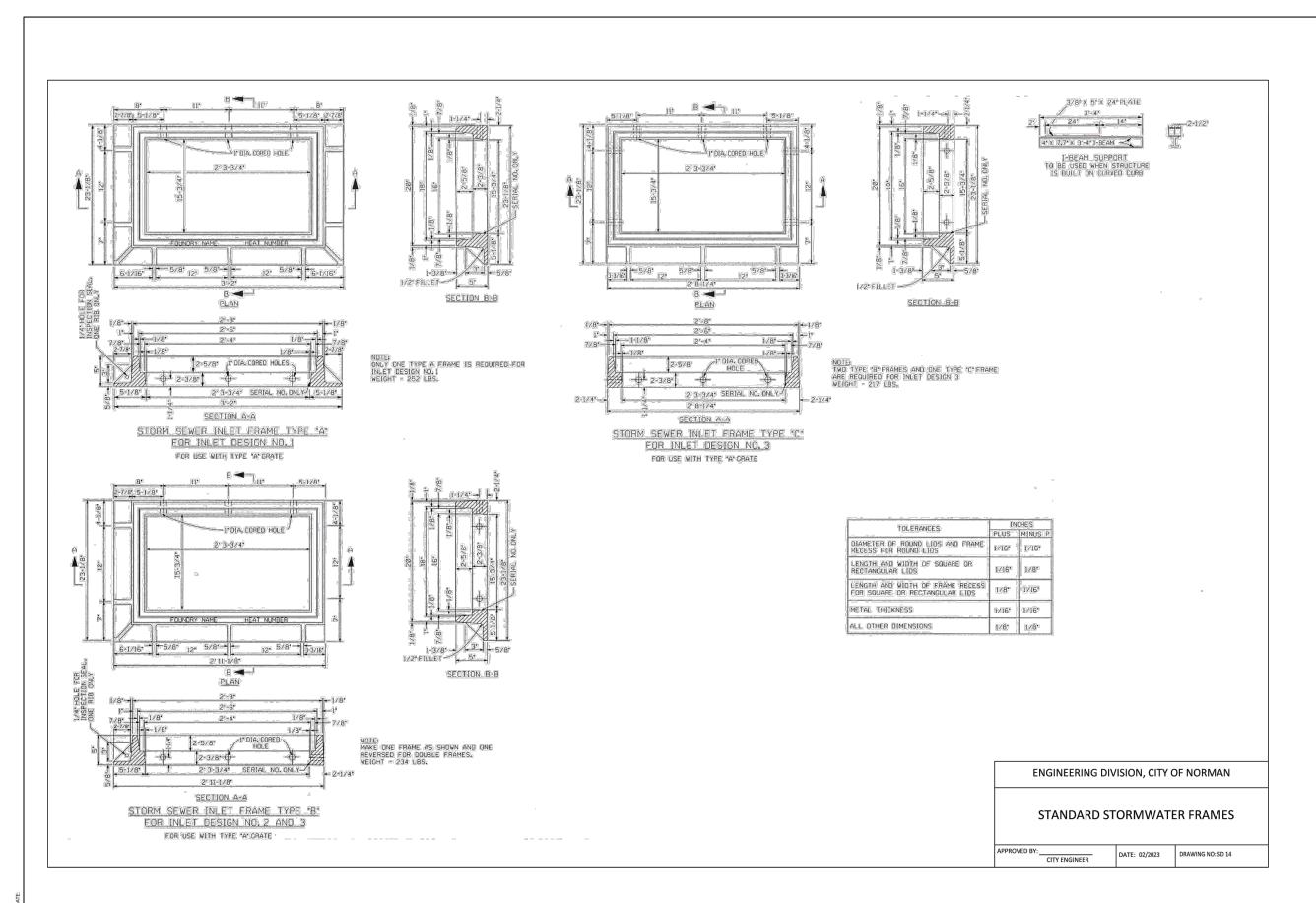
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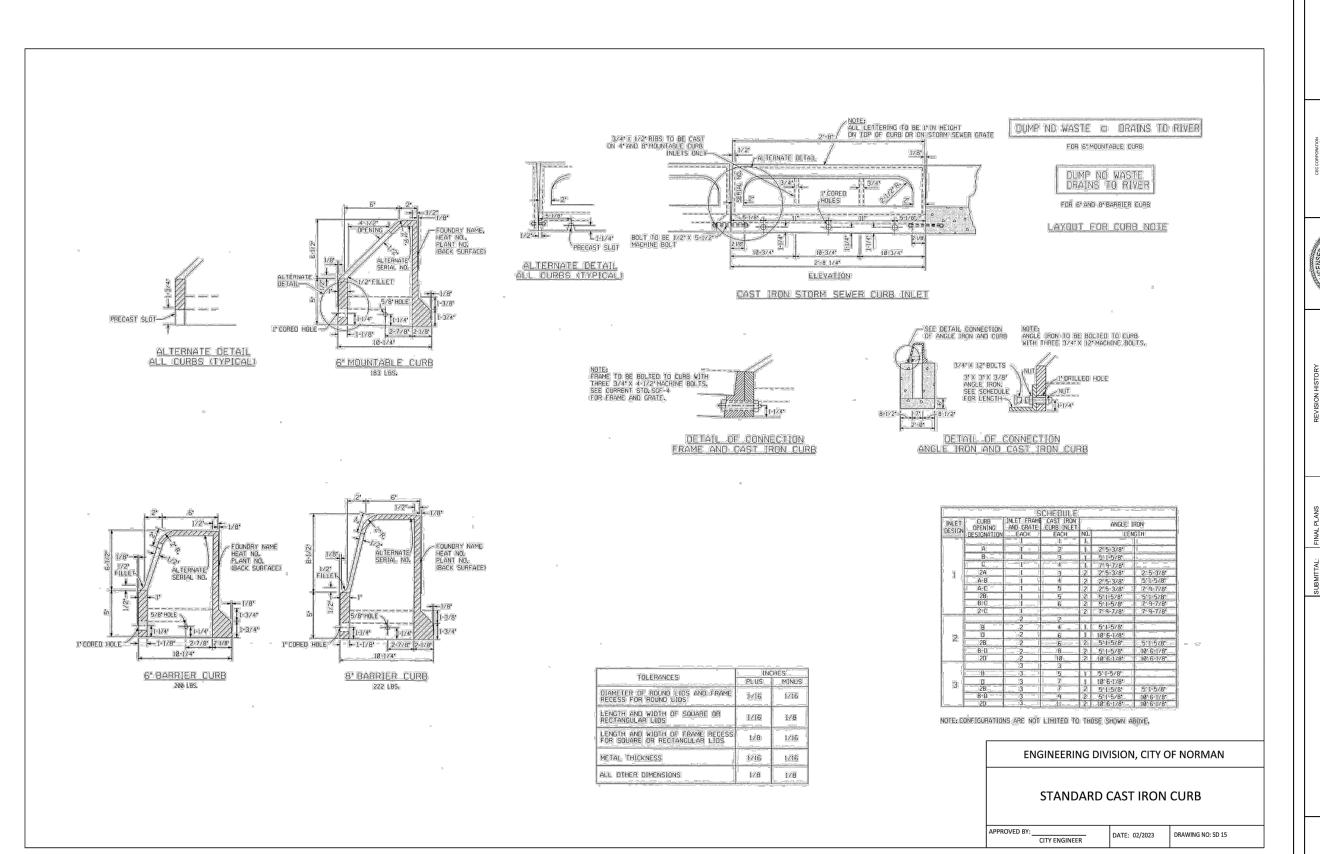




MAIN STREET BRIDGE REHABILITATION NORWAN, OKLAHOMA

SHEET NAME **DETAILS**

SHEET R021



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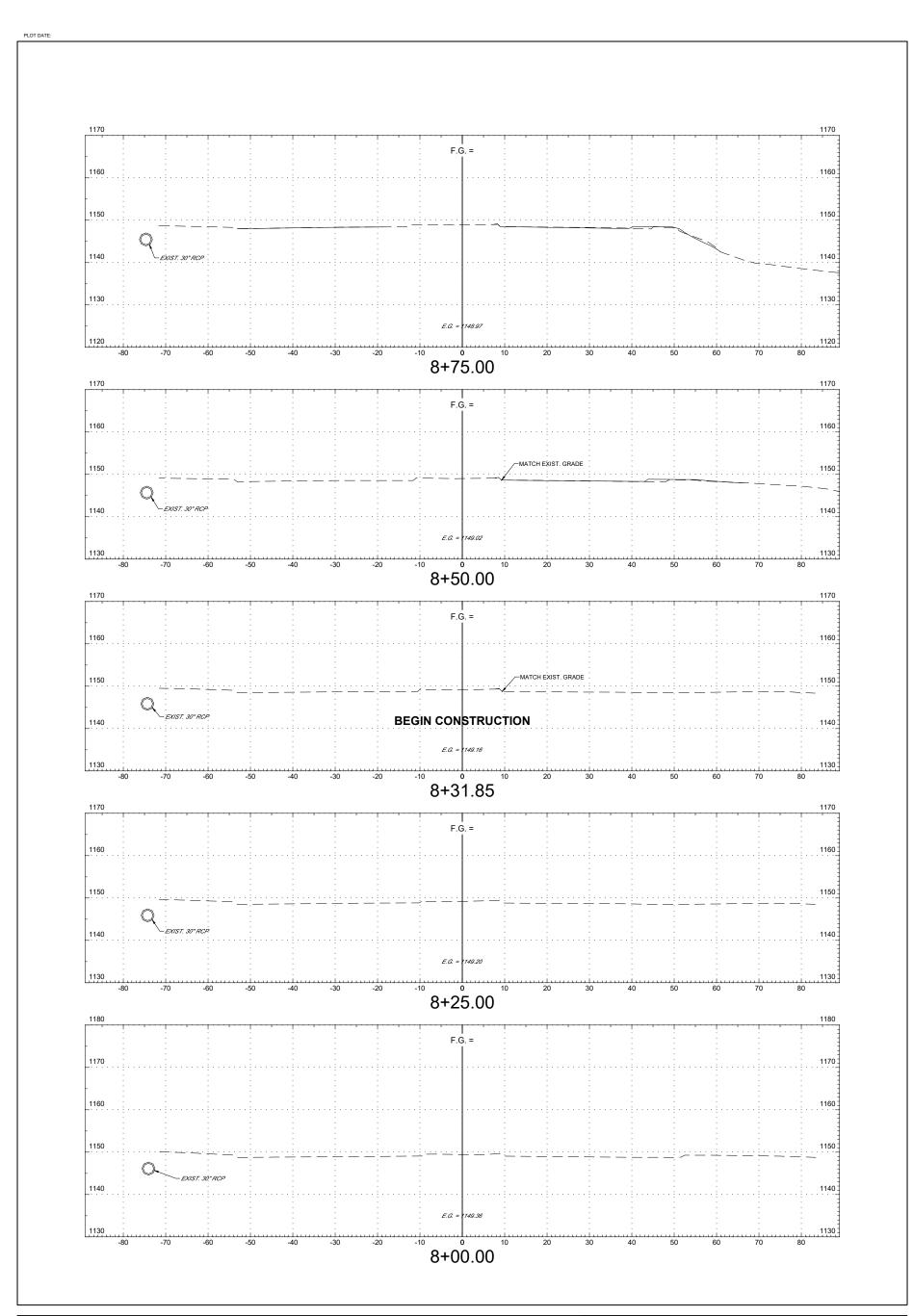
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MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

SHEET NAME
DETAILS

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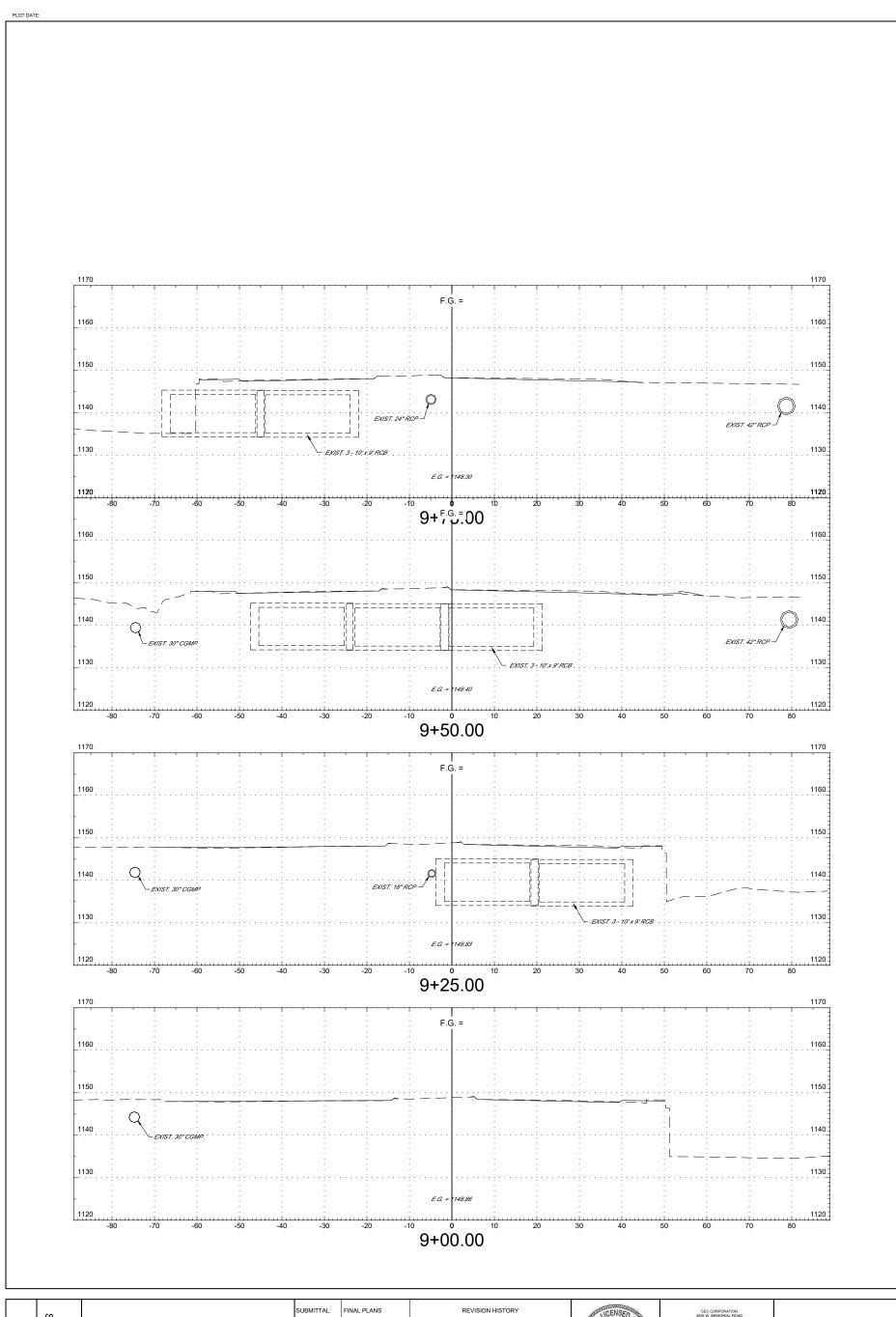


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DRAWN BY:	MTD			
APPROVED BY:	KLM			
SCALE:	AS SHOWN			











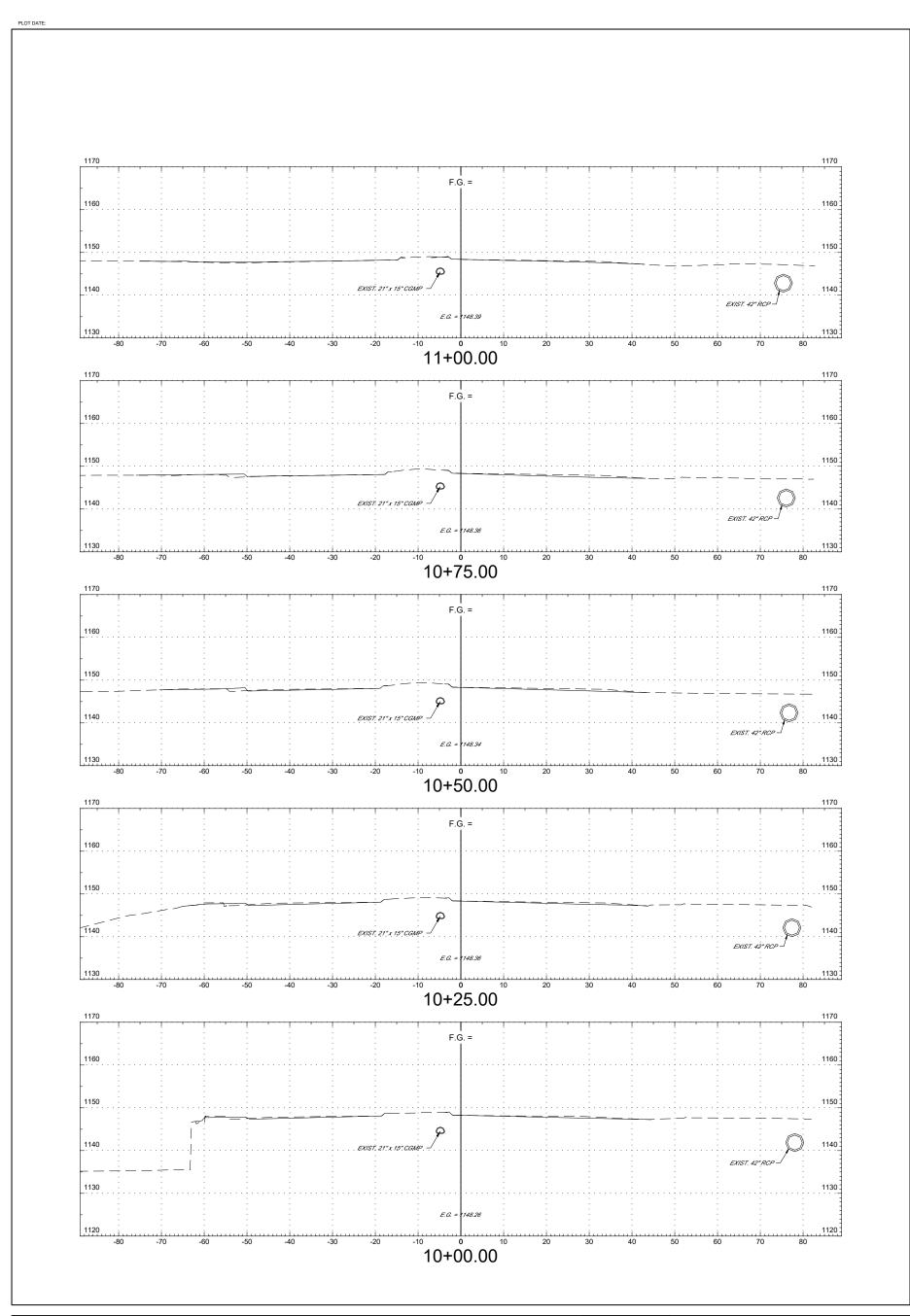
MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

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DATE:	11-15-2024	NO.	DESCRIPTION	DATE
PROJECT NO:	K-2324-152			
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DRAWN BY:	MTD			
APPROVED BY:	KLM			
SCALE:	AS SHOWN			









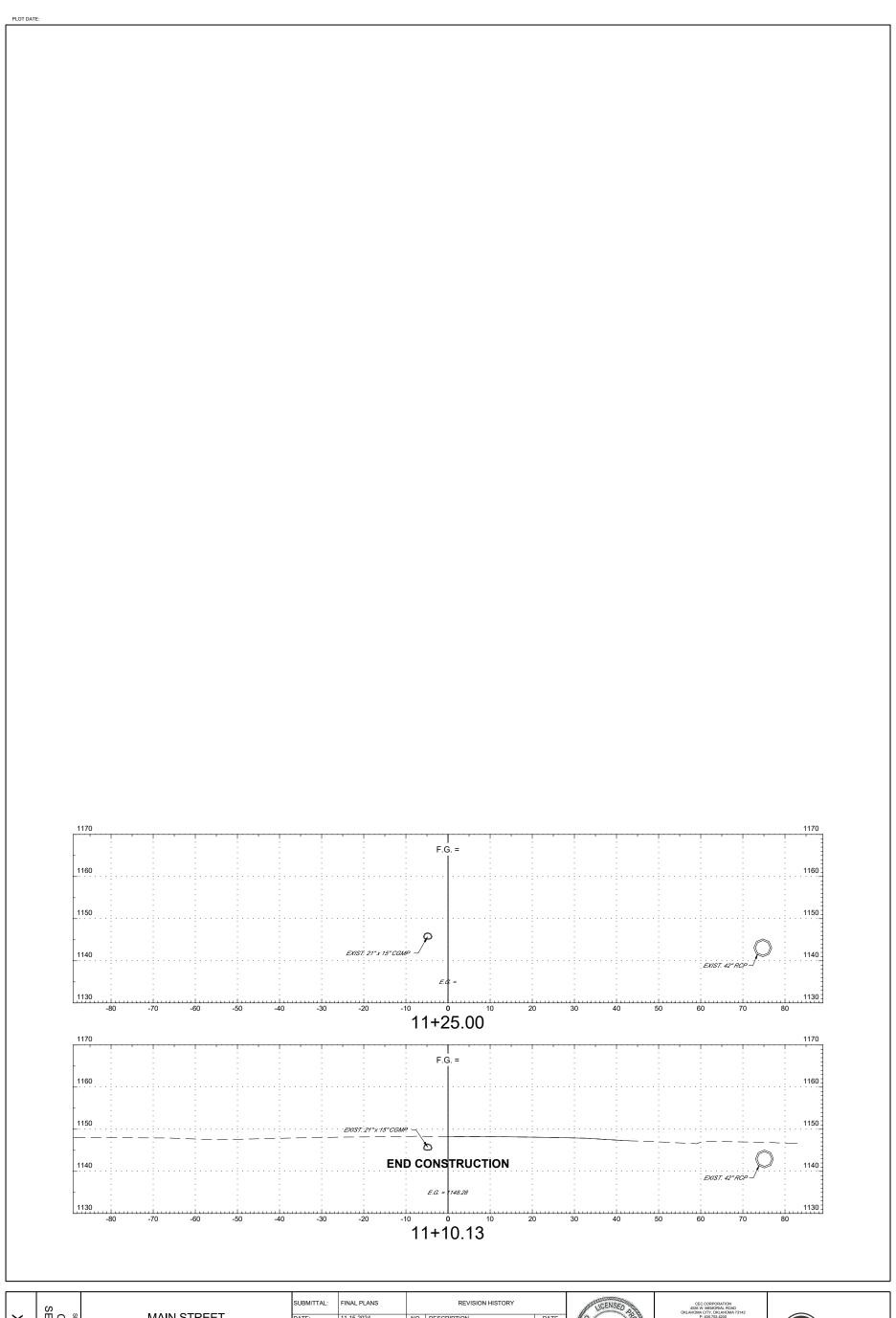
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DATE:	11-15-2024	NO.	DESCRIPTION	DATE
PROJECT NO:	K-2324-152			
DESIGNED BY:	KLM			
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APPROVED BY	KLM			
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MAIN STREET BRIDGE REHABILITATION NORMAN, OKLAHOMA

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APPROVED BY:	KLM			
SCALE:	AS SHOWN			





