May 27, 2021

CITY OF JOPLIN
32ND STREET WIDENING
CENTRAL CITY RD TO SCHIFFERDECKER AVE

Addendum No. 02

Contract Bidders:

Enclosed is Addendum No. 02 for the above referenced project. Please execute, attach, and submit this Addendum No. 02 with your bid.

Olsson



Brian Coomes, P.E.

Project Engineer

CITY OF JOPLIN
32ND STREET WIDENING
CENTRAL CITY RD TO SCHIFFERDECKER AVE

ADDENDUM NO. 2

BID OPENING

1. The Bid Opening is postponed until 2:00 PM on June 15th, 2021.

   Bids must be in the hands of the City of Joplin Director of Public Works before 2:00 PM prevailing local time on June 15, 2021 at which time all bids will be opened by the Director of Public Works at the Joplin City Hall, 602 S. Main Street, Joplin MO 64801 in the 5th Floor Study.

PLANS

2. Refer to Plan Sheets D1, D3, D4, D5, D6, D7, D8, & D9.

   Delete the existing Plan Sheets D1, D3, D4, D5, D6, D7, D8, & D9 in their entirety and **REPLACE** with the attached Plan Sheets D1, D3, D4, D5, D6, D7, D8, & D9 – Revision #1 Dated 05/27/2021.

   Updated Phase 1 waterline quantities are as follows:

Phase 1 Waterline Relocation (Must be completed by MAWC Pre-Qualified Contractor)				
1001	12" TR Flex DIP Waterline, Complete, Open-Cut Installation (MAWC to furnish material)	LF	2,450	Appendix E
1002	8" TR Flex DIP Waterline, Complete, Open-Cut Installation (MAWC to furnish material)	LF	310	Appendix E
1003	24" Steel Casing (Open-Cut)	LF	32	Appendix E
1004	12"x12" Tapping Sleeve and Valve	EA	2	Appendix E
1005	12" Gate Valve	EA	7	Appendix E
1006	8" Gate Valve	EA	5	Appendix E
1007	Adjustment of Existing Gate Valves	EA	2	Appendix E
1008	Tie to Existing Waterline	EA	8	Appendix E
1009	Reconnect Existing Service Connections	EA	3	Appendix E
1010	Temporary Service Line	EA	1	Appendix E
1011	New Fire Hydrant Assembly, Complete	EA	1	Appendix E
1012	Traffic Control along Schifferdecker	LS	1	City 2305
1013	Pavement Repair	SY	50	City 2200

3. Phase 2 Waterline Plans will be released with Addendum 3 – anticipated release date 06/07/2021. An updated proposal form will also be released with Addendum 3.

CLARIFICATIONS

4. All trench excavation on the project for all underground utilities shall be considered unclassified. Separate measurement and payment shall not be made for rock.

5. Horizontal directional drilling will no longer be an acceptable method of installation for the waterline. All waterlines will be installed by open-cut method. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

6. Missouri American Water Company will furnish all pipe materials and fittings required for the construction of the waterline. The 12" waterline will be restrained joint ductile iron - TR Flex locking. Contractor shall furnish and install steel casing as identified in the contract documents. Contractor shall be responsible for all excavation, bedding, backfill, installation, testing, and all other incidentals required for a complete and functioning water system in accordance with the plans and specifications. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

7. Contractor shall be required to submit a traffic control plan for waterline work through the 32nd/Schifferdecker Intersection. The traffic control plan shall accommodate a minimum of one through lane in each direction for the north, south, and east approaches of the intersection. Night work, steel plates, and all other means/methods of construction shall be employed at the Contractor's option and shall be considered incidental to other work items. Additional measurement and payment shall not be made to accommodate means and methods for maintaining traffic through the intersection while completing waterline construction. A bid item has been added for waterline traffic control. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

8. The City of Joplin will furnish all pipe materials required for the construction of the sanitary sewer. The 12" open-cut line will be PVC SDR 26 pipe. The 12" line installed within casing will be Certa-Lok Yelomine by CertainTeed. Aforementioned pipe will be delivered by the supplier to the City of Joplin Public Works Center at 1301 W. 2nd Street. Contractor shall be responsible for coordinating and transporting pipe from the Public Works Center to the 32nd Street Project site. Contractor shall furnish and install steel casing as identified in the contract documents. Contractor shall be responsible for all excavation, bedding, backfill, installation, testing, and all other incidentals required for a complete and functioning sanitary sewer system in accordance with the plans and specifications. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

9. <u>Refer to Bid Item 136 Lift Station Decommission.</u>

   All lift station equipment including guide rails shall be removed and stored on-site for pickup by City forces. At the completion of equipment removal and backfill, the fence shall be removed.

10. Sanitary Sewer Bid Items have been added for Item 124A Reconfigure Bottom of Existing Manhole 1 to Redirect Flow and Item 132A Outside Drop Manhole. Other sanitary quantities have been adjusted. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

11. <u>Refer to Bid Item 99.</u>

    DELETE all references in the Plans and Specifications to Flexamat 10NW UV-T. Flexamat material furnished for this project shall be Flexamat 10 Nonvoven Grid. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

12. Bid Item 121A Changeable Message Signs will be added to the contract in accordance with JSP-6700-01. Locations are to be as determined by the City. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

13. Refer to Bid Item 26 Asphaltic Concrete Surface (4")(MoDOT BP-1).

    4" Asphalt Surface will not be required for the project. The quantity on the proposal form will be reduced to zero. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

14. Refer to Bid Item 25 Asphaltic Concrete Surface (2")(MoDOT BP-1) and Bid Item 27 Asphaltic Concrete Base (8")(MoDOT Bituminous Base).

    Bid Quantity has been increased by +/-5% on the proposal form to allow for slight variations between planned quantity and bid quantity. An updated Proposal Form will be released with Addendum 3 – anticipated release date 06/07/2021.

15. Contractor shall be required to place a minimum of 4" of black dirt on disturbed areas in accordance with specification section 1200.3.9. As earthwork is unclassified, this requirement is considered incidental to other grading items. If on-site black dirt is of insufficient quantity, the Contractor shall be required to make provisions for this material within the quantity of Imported Fill. No separate measurement or payment will be made for importing black dirt.

16. Refer to Bid Item 23 Removal, Transportation, & Disposal of Contaminated Soils.

    If contaminated soils are encountered on site beyond limits that allow incorporation into onsite fill, these soils shall be removed from the site in accordance with Joplin Specification Section 1800. The Quantity of removal shall be measured in the field. Payment for this shall include full compensation for all excavation, loading, hauling, and disposal of the material in accordance with Section 1800. This item is separate from Bid Item 21 Removal of Unsuitable Material (intended for Muck Excavation). Measurement will not be made under Bid Item 21 for encountering contaminated soils.

    To replace material removed by Bid Item 23, corresponding measurement and payment will occur as an overrun of Bid Item 20 Imported Fill.

PROJECT MANUAL

17. INSERT attached JSP-1200-02 Grading to the Project Manual dated May 27, 2021. The JSP clarifies measurement and payment for grading items.

18. INSERT attached JSP-0400-07 Price Adjustment for Fuel to the Project Manual dated May 27, 2021. The JSP outlines requirements for acceptance of the fuel adjustment option on the proposal form.

19. INSERT attached JSP-0400-08 Price Adjustment for Asphalt Cement to the Project Manual dated May 27, 2021. The JSP outlines requirements for acceptance of the asphalt price adjustment option on the proposal form.

20. Refer to the PROPOSAL.

    An updated proposal form will be issued with Addendum 3 – anticipated release date of 06/07/2021. The proposal form will incorporate all modifications listed herein, and the proposal form will include updated Phase 2 Waterline quantities.

The undersigned hereby acknowledges receipt of this addendum, which by this reference is hereby incorporated in and becomes a part of the Contract Documents for the above referenced project. **PLEASE ATTACH THIS ADDENDUM TO YOUR BID.**

_____
Company Name

_____
Signature

_____
Printed Name

_____
Title

_____
Address

_____
City/State/Zip

_____
Telephone Number



WATERLINE RELOCATION PLANS FOR
32ND STREET WIDENING
CENTRAL CITY RD. TO SCHIFFERDECKER AVE.
SECTIONS 17, 18, 19 & 20, TOWNSHIP 27N, RANGE 33W
CITY OF JOPLIN, MISSOURI
JASPER & NEWTON COUNTIES, MISSOURI

LEGEND

CTL	SURVEY CONTROL POINT		TRAFFIC SIGNAL BOX
	SURVEY BENCHMARK		TRAFFIC SIGNAL MANHOLE
TBM	SURVEY TEMPORARY BEMCHMARK		TRAFFIC SIGNAL POLE W/ ARM
GM	GAS METER		TRAFFIC SIGNAL POLE
GAR	GAS RISER		TRAFFIC SIGNAL CONTROL BOX
	GAS MANHOLE	TS	TRAFFIC SIGNAL PEDESTAL
GR	GAS REGULATOR		ELECTRIC MANHOLE
TVP	TELEVISION PEDESTAL	EM	ELECTRIC METER
F	FIBER BOX	ER	ELECTRIC RISER
	FIBER PEDESTAL	E	ELECTRIC BOX
C	CABLE BOX		ELECTRIC CABINET
CV	CABLE VAULT		ELECTRIC JUNCTION BOX
TP	TELEPHONE PEDESTAL	SPH	SPRINKLER HEAD
	STORM MANHOLE	SCV	SPRINKLER CONTROL VALVE
	STORM GRATE		WATER METER PIT
	SANITARY MANHOLE		FIRE HYDRANT
YL	YARD LIGHT	WM	WATER METER
LTP	LIGHT POLE	WV	WATER VALVE
	POWER POLE	FP	FLAG POLE
LPPP	POWER POLE W/ LIGHT		SIGN
	GUY WIRE		BOLLARD
BU	STUMP		WOOD POST
	BUSH		STEEL POST
	EVERGREEN TREE	COL	COLUMN
	DECIDUOUS TREE		BORE HOLE

- SECTION LINE
- PROPERTY LINE
- CENTER LINE
- PROPOSED ROW LINE
- EXISTING ROW LINE
- UTILITY EASEMENT
- EXISTING MAJOR CONTOUR (1370)
- EXISTING MINOR CONTOUR (1371)
- PROPOSED MAJOR CONTOUR (1370)
- PROPOSED MINOR CONTOUR (1371)
- EXISTING TELEPHONE LINE (TEL)
- EXISTING SANITARY LINE (SS)
- EXISTING STORM LINE
- EXISTING GAS LINE (GAS)
- EXISTING WATER LINE (W)
- EXISTING CHAIN LINK FENCE
- EXISTING OVERHEAD ELECTRIC (P-OH)
- EXISTING FIBER OPTIC CABLE (FO)
- EXISTING PIPE LINE (P)
- GRADING LIMITS
- TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED PERMANENT EASEMENT
- PROPOSED CHAIN LINK FENCE
- PROPOSED WOOD PRIVACY FENCE
- EXISTING TREELINE
- CONSTRUCTION LIMITS
- UNDERDRAIN

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE DRIVE
- AGGREGATE SURFACE
- ASPHALT OVERLAY
- STAMPED CONCRETE PAVEMENT
- DETECTABLE WARNING SURFACE
- CURB RAMP
- ROCK BLANKET

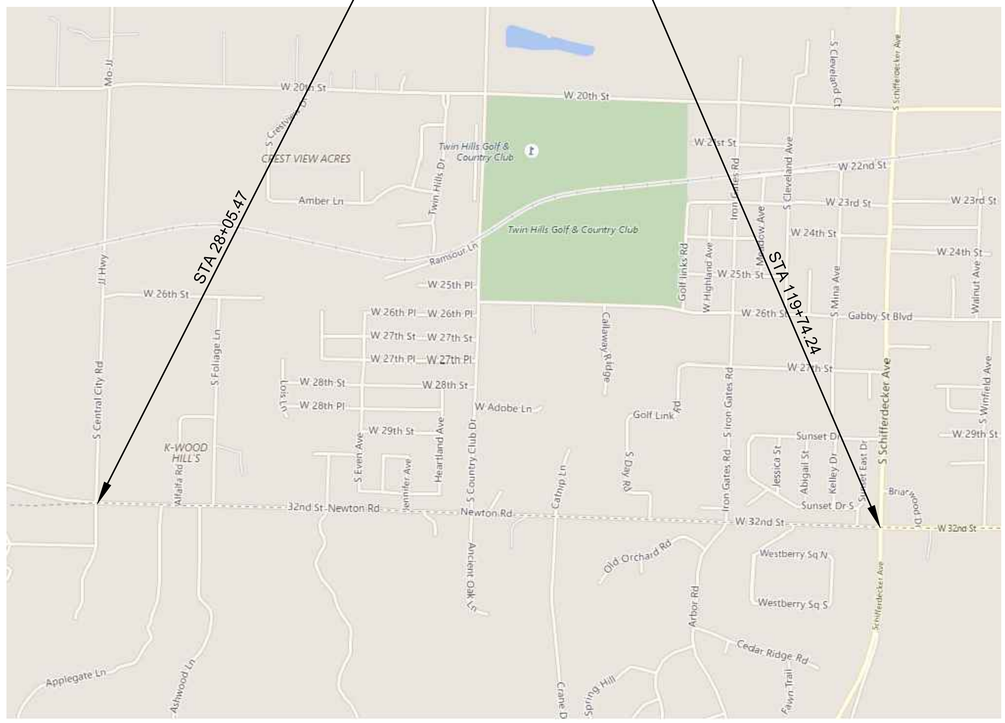
ABBREVIATION TABLE

M.G.	MATCH GRADE
TP	PAVEMENT
TC	TOP OF CURB
BC	BACK OF CURB
EP	EDGE OF PAVEMENT
R/W	RIGHT-OF-WAY
TCE	TEMPORARY CONSTRUCTION EASEMENT
PROP.	PROPOSED
EXIST.	EXISTING
TYP.	TYPICAL
(R)	REMOVAL
CONST.	CONSTRUCT
TBM	TEMPORARY BENCMARK
C.P.	CONTROL POINT
D.N.D.	DO NOT DISTURB
U.I.P.	USE IN PLACE
ADJ.	ADJUST
EL.	ELEVATION
ESMT.	EASEMENT
B-B	BACK OF CURB TO BACK OF CURB DIMENSION
℄	CENTERLINE

MISSOURI ONE CALL SYSTEM
1-800-DIG-RITE or 811
www.mo1call.com

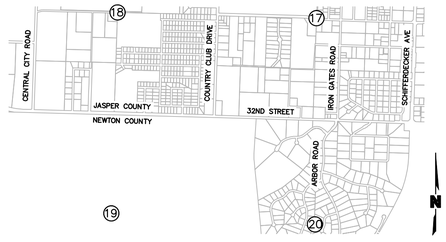
THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES. !!STOP!! CALL BEFORE YOU DIG!!

"D" PLANS
PROJECT LOCATION



N.T.S.

LOCATION MAP
NOT TO SCALE



SECTION 17,18, 19 & 20, T-27-N, R-33-W
JASPER & NEWTON COUNTIES, MISSOURI

VICINITY MAP
SCALE: 1" = 2000'

UTILITIES INFORMATION

ELECTRIC – LIBERTY UTILITIES
ATTN: JIMMY TURNER
3400 S. KODIAK ROAD
JOPLIN, MO 64804
(417) 626-6842

NATURAL GAS – SPIRE
ATTN: KEN STEGALL
520 E. 5TH STREET
JOPLIN, MO 64801
(417) 626-4831

WATER – MISSOURI-AMERICAN WATER CO.
ATTN: DEREC BASS
2650 E. 32ND ST. – SUITE 121
JOPLIN, MO 64804
(417) 623-0676 EXT. 1009

TELEPHONE – AT&T
ATTN: KENNETH KENWORTHY
321 W. 8TH STREET
JOPLIN, MO 64801
(417) 625-8092

CABLE TELEVISION – CABLE ONE DIGITAL
ATTN: RANDY KENNEDY
2600 DAVIS BLVD.
JOPLIN, MO 64804
(417) 206-5399

FIBER OPTIC – LIBERTY CONNECT
ATTN: BRAD MYERS
720 SCHIFFERDECKER AVE
JOPLIN, MO 64801
(417) 625-5179

INDEX OF SHEETS

SHEET NO.	TITLE
D1	TITLE SHEET
D2	SUMMARY OF QUANTITIES
D3 – D9	PHASE 1 WATERLINE RELOCATION PLANS & PROFILES
D10 – D18	PHASE 2 WATERLINE RELOCATION TO BE PROVIDED AT A LATER DATE

PREPARED & SUBMITTED BY:

OLSSON
702 S. MAIN STREET
JOPLIN, MISSOURI 64801

JERRY G. JESKY JR., P.E. — DATE 5-27-21

I CERTIFY THESE PLANS WERE PREPARED BY ME OR UNDER MY IMMEDIATE PERSONAL SUPERVISION.

olsson
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Missouri Certificate of Authority #001592
702 S. Main Street
Joplin, MO 64801
TEL 417.781.0643
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STATE OF MISSOURI
JERRY G. JESKY JR.
NUMBER PE-2004000803
REGISTERED ENGINEER
JERRY G. JESKY JR.-CIVIL ENGINEER
PE-2004000803

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/26/2021	ALIGNMENT ADJUSTMENT	

REVISIONS

TITLE SHEET

32ND STREET WIDENING
CITY OF JOPLIN

JOPLIN, MISSOURI 2021

drawn by:	SDN
checked by:	TDC
approved by:	JGJ
QA/QC by:	JGJ
project no.:	N18-1949
drawing no.:	C_TTL_N181949
date:	5/26/2021

SHEET
D1 of D18

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DATE: May 27, 2021 9:43am XREFS: C_CTBLK_N181949 JERRY_JESKY_PE_MO

CJW_T_PPATT_015-2768 - 3 lane
CJW_T_STORM
TSE_T_PHTCH_52768
TSE_T_PBASE_52768
OA_F_PBASE_52768

PROPOSED RIGHT-OF-WAY

BEGIN PHASE 1
MATCH ADJACENT
WATERLINE RELOCATION TO
PLAN SET D PHASE 2

GRADING LIMITS

SANITARY SEWER FORCE MAIN
TO BE ABANDONED IN PLACE

BURIED FIBER-OPTIC TO BE
RELOCATED BY UTILITY CO.

MATCH LINE
4+00

CENTERLINE
32ND STREET
STATIONING SHOWN
FOR REFERENCE ONLY

79+00 80+00 81+00 82+00 83+00

WATERLINE "D" STA 0+00
INSTALL 12" TAPPING SLEEVE AND VALVE
WITH BOX, FOLLOWED BY 90° BEND
(TURNED DOWNWARD) TO HEAD EAST.
PRE-POUR CROSS BLOCK ON EXISTING
LINE TO PREPARE FOR CAPPING EXISTING
LINE TO THE EAST.

ABANDON EXISTING 12" WATERLINE
AFTER NEW WATERLINE IN SERVICE
AND ALL WATER SERVICES
RECONNECTED.

STA 2+75
INSTALL 12" GATE VALVE WITH BOX
AND CROSS BLOCK ON NEW
WATERLINE "D" TO ALLOW METER
RECONNECTION FOR NORTH CUSTOMER
PRIOR TO TAKING EXISTING 12"
WATERLINE OFFLINE

12" WATERLINE "D"
RELOCATION

1

0+00 1+00 2+00 3+00 4+00

FIELD CONFIRM
BLOCKING ON
EXISTING GATE
VALVE AS
NECESSARY

STA 0+04.04
INSTALL 12" 90° BEND

FUTURE
EDGE OF CURB

GRADING LIMITS

PROPOSED RIGHT-OF-WAY

INSTALL 32 LF
MIN. 24" STEEL CASING
UNDER PROPOSED STORM CULVERT.
INSTALL VERTICAL FITTINGS AS
NEEDED BEFORE AND AFTER CASING
(45° BENDS ANTICIPATED)

PROPOSED AT&T FIBER OPTIC LINE
(APPROXIMATE LOCATION)

PROPOSED
PERMANENT SLOPE
EASEMENT

PROPOSED TEMPORARY
CONSTRUCTION EASEMENT

CRANE DRIVE

PROPOSED PERMANENT
DRAINAGE EASEMENT

N

0' 10' 20' 40'
SCALE IN FEET

WATERLINE "D" RELOCATION PLAN AND PROFILE (STA 0+00 TO 4+00)

BEGIN PHASE 1
MATCH ADJACENT
WATERLINE RELOCATION TO
PLAN SET D PHASE 2

STA 0+00
INSTALL 12" TAPPING SLEEVE
WITH VALVE, FOLLOWED BY 90°
BEND (TURNED DOWNWARD)

STA 0+49.03
PROPOSED STORM CULVERT

STA 0+70.43
PROPOSED STORM CULVERT

STA 2+75
INSTALL 12" GATE VALVE WITH BOX
AND CROSS BLOCK ON NEW
WATERLINE "D" TO ALLOW METER
RECONNECTION FOR NORTH
CUSTOMER PRIOR TO TAKING
EXISTING 12" WATERLINE OFFLINE.

16'-6"±

EXISTING GRADE

FUTURE GRADE

PROPOSED BOX CULVERT

PROPOSED GRADE

6'-0"±

3'-6"
MIN.

10'-6"±

4'-0"
MIN.

INSTALL 12" WATERLINE "D"

INSTALL 32 LF 24" STEEL
CASING. INSTALL VERTICAL
FITTINGS AS NEEDED BEFORE
AND AFTER CASING (45° BENDS
ANTICIPATED).

EXISTING WATERLINE
(ESTIMATED)

STA 0+04.04
INSTALL 12" 90° BEND

990 985 980 975 970 965 960 955 950 945 940

0+00 1+00 2+00 3+00 4+00

0' 10' 20' 40'
SCALE IN FEET

10' 5' 2.5' 0'

NOTES:
1. CONTRACTOR TO INSTALL VERTICAL FITTINGS AS NECESSARY TO ACHIEVE ALIGNMENT SHOWN WHILE LIMITING PIPE JOINT DEFLECTION TO 60% OF MANUFACTURER'S MAXIMUM STATED JOINT DEFLECTION ANGLE.
2. CONTRACTOR TO GIVE MAWC MIN. 48 HOURS NOTICE BEFORE PLANNING TO RECONNECT EXISTING SERVICE CONNECTIONS TO NEW WATERLINE.

* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

olsson
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702 S. Main Street
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STATE OF MISSOURI
JERRY G. JESKY JR.
NUMBER PE-2004000803
PROFESSIONAL ENGINEER
JERRY G. JESKY JR.-CIVIL ENGINEER
PE-2004000803

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REVISIONS

WATERLINE "D" RELOCATION PLAN AND PROFILE
(STA 0+00 TO 4+00)

32ND STREET WIDENING
CITY OF JOPLIN

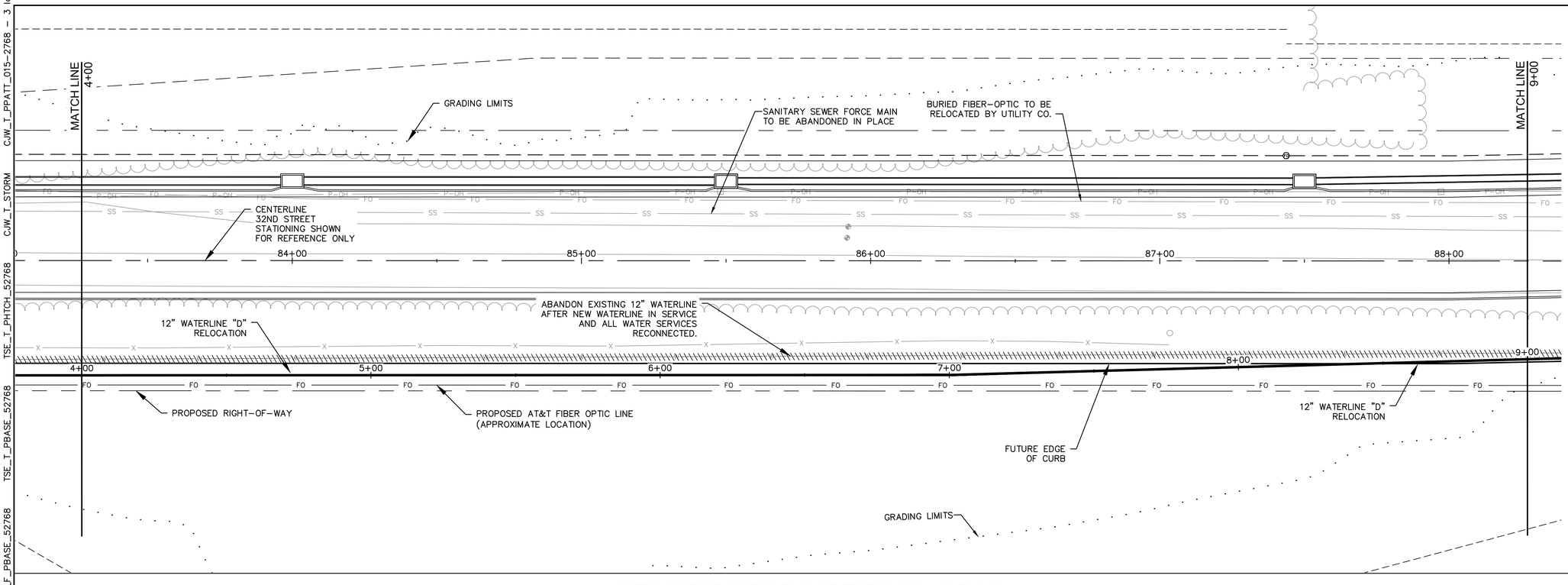
2021

JOPLIN, MISSOURI

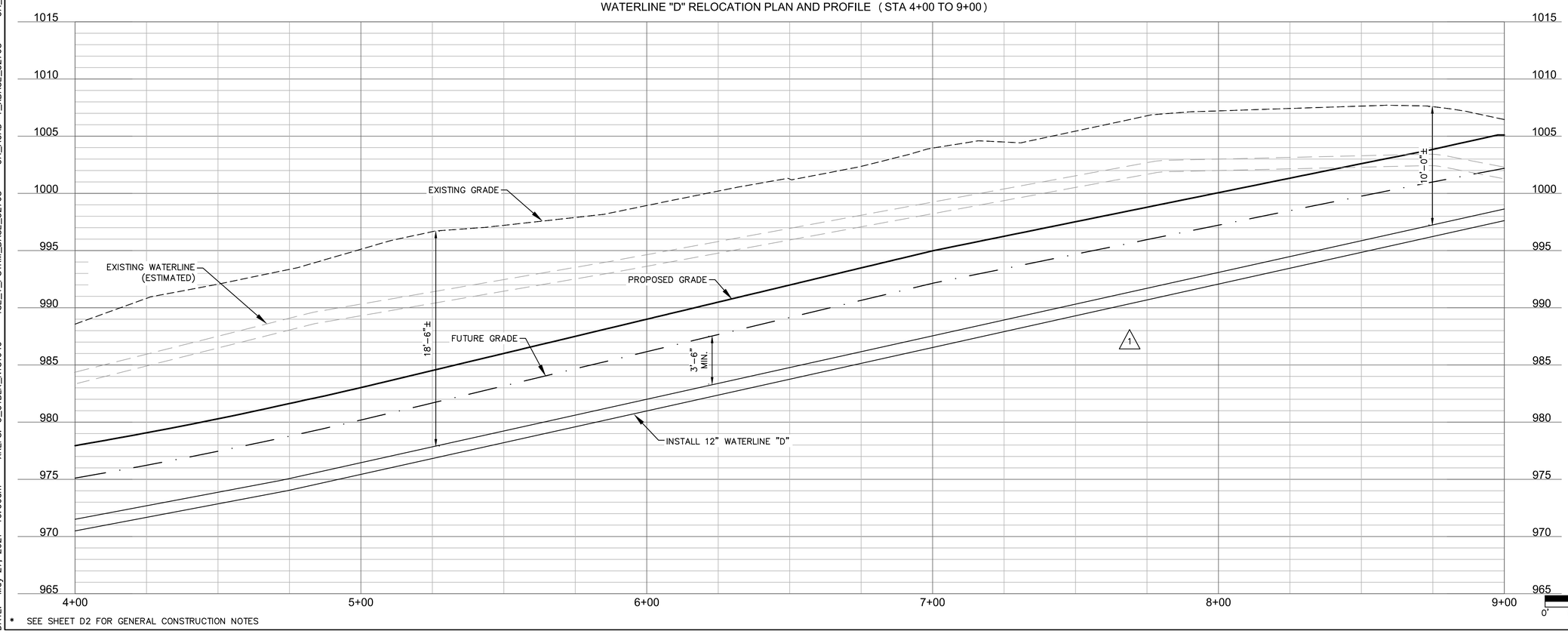
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checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18-1949
drawing no: C_RPP01-01_N181949
date: 5/26/2021

SHEET
D3 of D18

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WATERLINE "D" RELOCATION PLAN AND PROFILE (STA 4+00 TO 9+00)



* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

olsson
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WATERLINE "D" RELOCATION PLAN AND PROFILE (STA 4+00 TO 9+00)

32ND STREET WIDENING
CITY OF JOPLIN

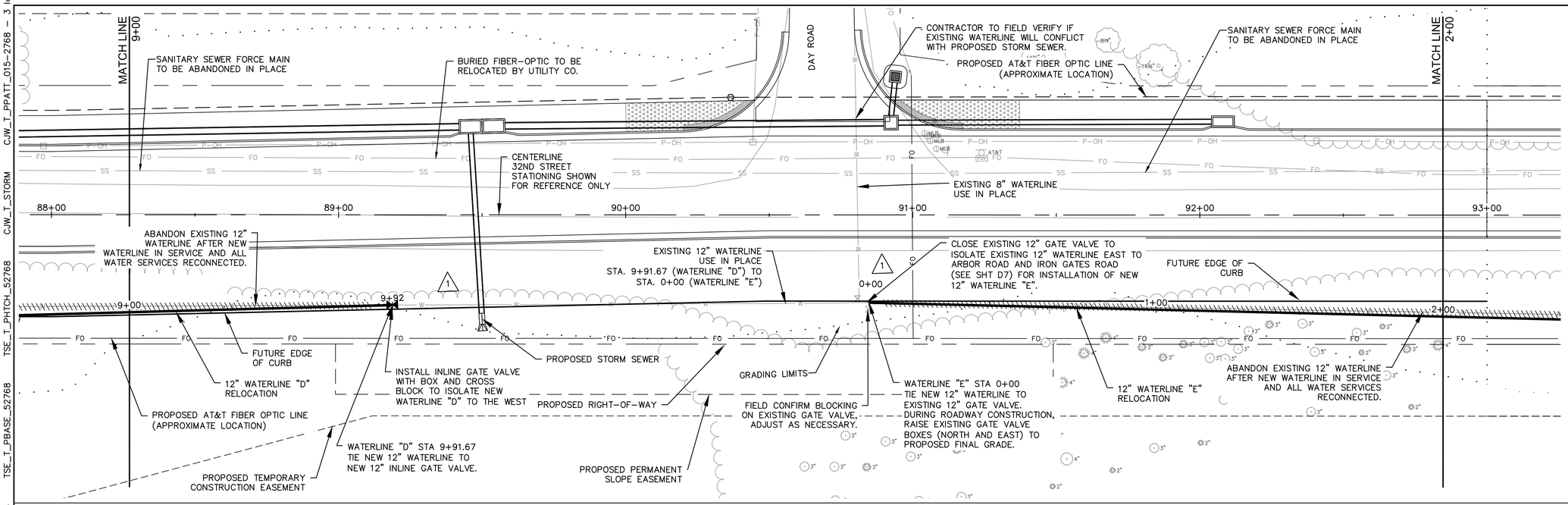
JOPLIN, MISSOURI

2021

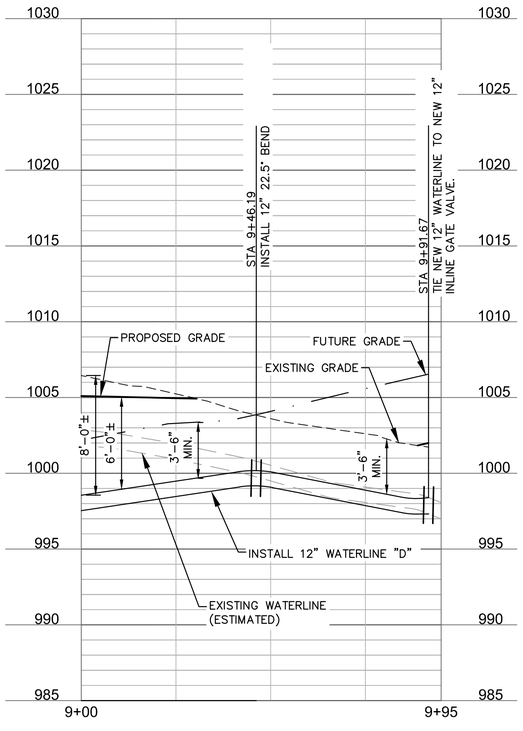
drawn by: SDN
checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18-1949
drawing no C_RPP01-01_N181949
date: 5/26/2021

SHEET
D4 of D18

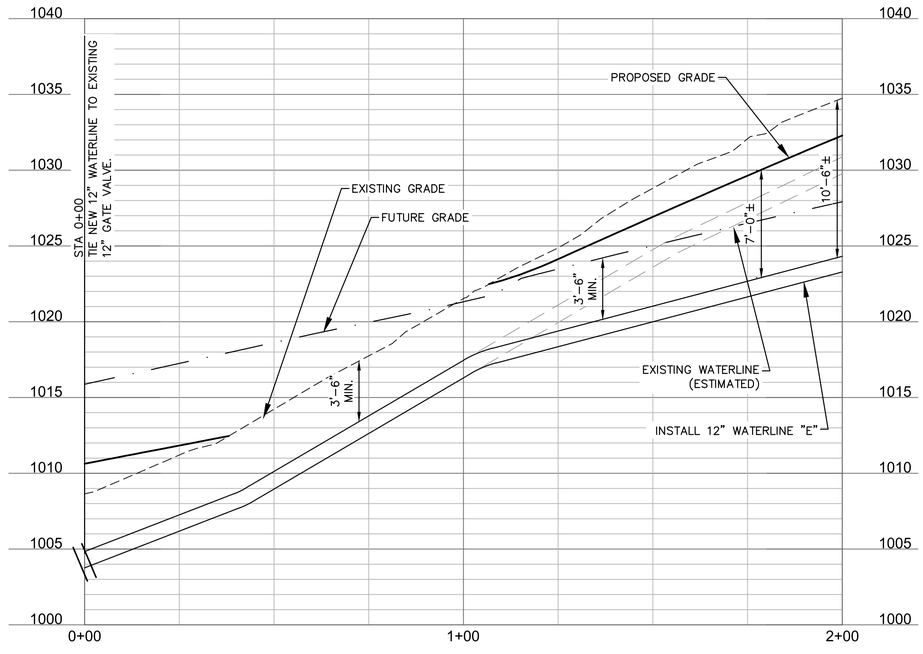
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DATE: May 27, 2021 10:00am XREFS: C_CTBLK_N181949 TSE_T_PSTRM_BASE_52768 OA_ACAD-T_XBASE_52768
CJW_T_PPATT_015-2768 - 3 lane CJW_T_STORM TSE_T_PHTCH_52768 TSE_T_PBASE_52768 OA_F_PBASE_52768



WATERLINE "D" RELOCATION PLAN AND PROFILE (STA 9+00 TO 9+95)



WATERLINE "E" RELOCATION PLAN AND PROFILE (STA 0+00 TO 2+00)



0' 10' 20' 40'
SCALE IN FEET

0' 2.5' 5' 10'

* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

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WATERLINE RELOCATION PLAN AND PROFILE
(STA 9+00 TO 9+95) & (STA 0+00 TO 2+00)

32ND STREET WIDENING
CITY OF JOPLIN

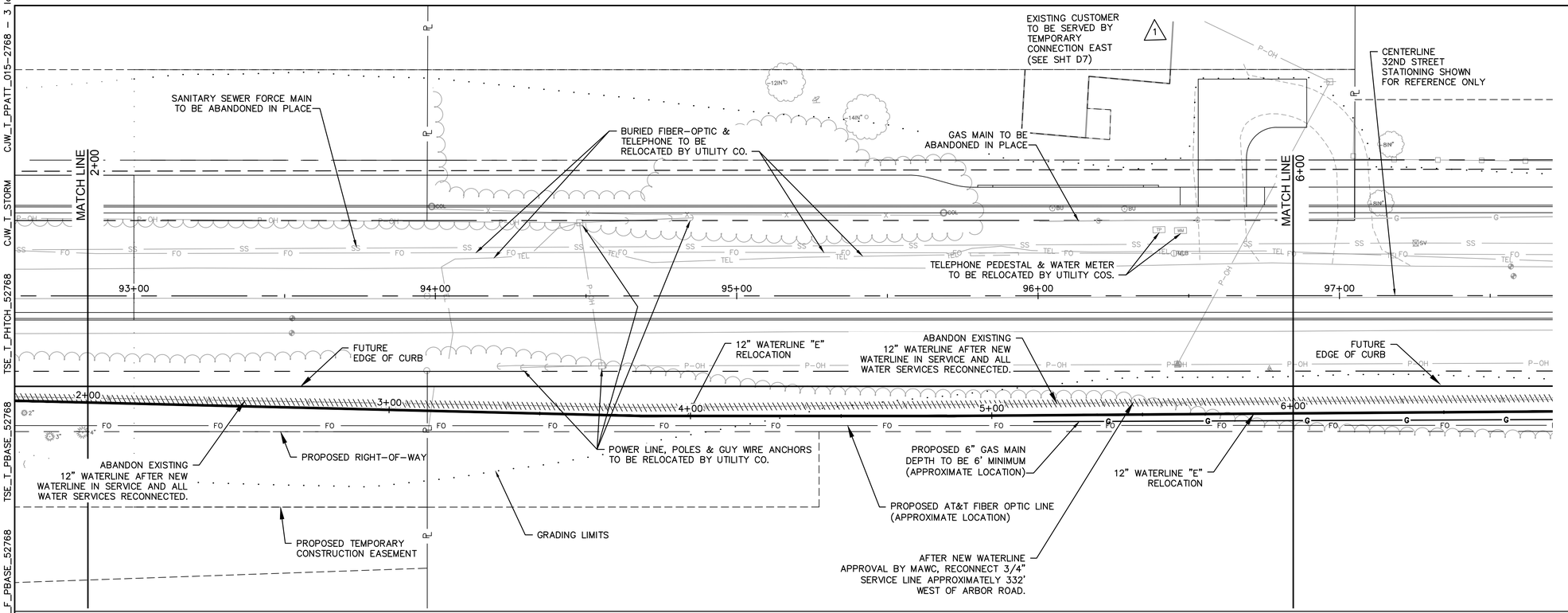
JOPLIN, MISSOURI

2021

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drawing no C_RPP01-01_N181949
date: 5/26/2021

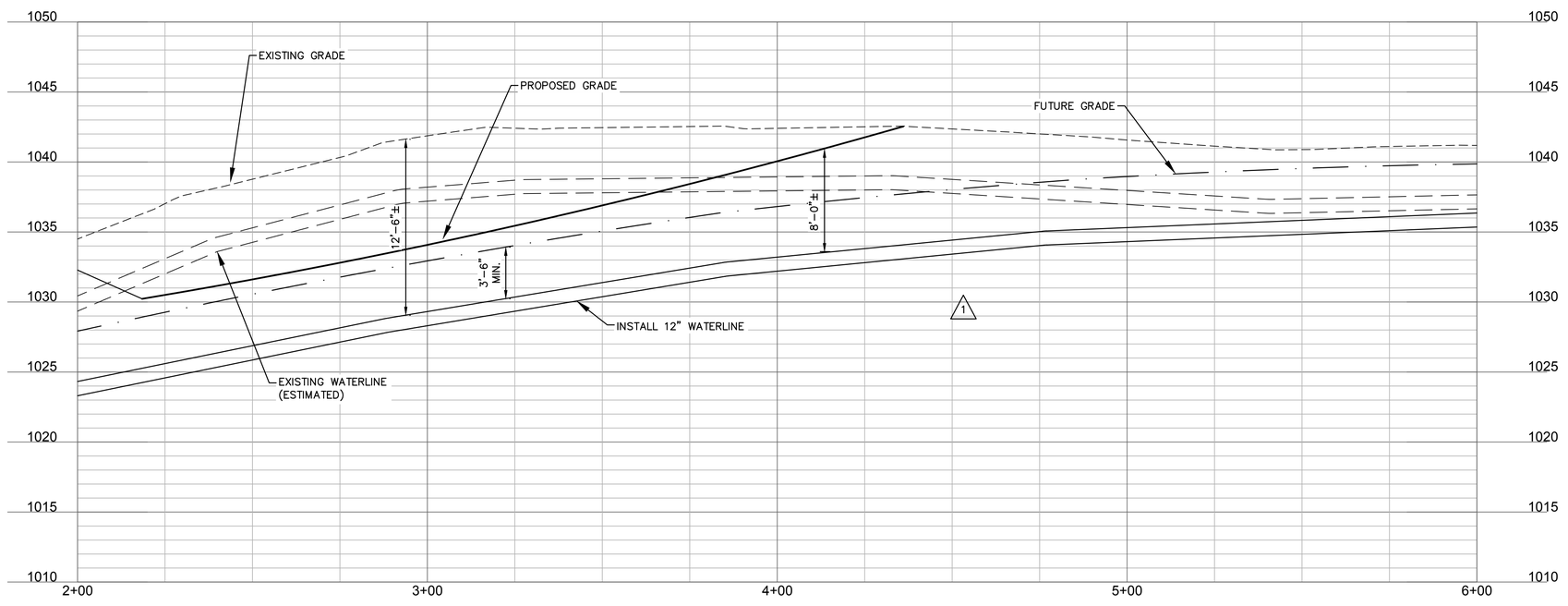
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D5 of D18

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CJW_T_PPATT_015-2768 - 3 lane CJW_T_STORM TSE_T_PHTCH_52768 TSE_T_PBASE_52768 OA_F_PBASE_52768



WATERLINE "E" RELOCATION PLAN AND PROFILE (STA 2+00 TO 6+00)

NOTE: CONTRACTOR TO GIVE MAWC MIN. 48 HOURS NOTICE BEFORE PLANNING TO RECONNECT EXISTING SERVICE CONNECTIONS TO NEW WATERLINE



* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

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STATE OF MISSOURI
JERRY G. JESKY JR.
NUMBER PE-2004000803
PROFESSIONAL ENGINEER
JERRY G. JESKY JR.-CIVIL ENGINEER
PE-2004000803

REV. NO.	DATE	REVISIONS DESCRIPTION	BY
1	5/26/2021	ALIGNMENT ADJUSTMENT	

REVISIONS

WATERLINE "E" RELOCATION PLAN AND PROFILE (STA 2+00 TO 6+00)

32ND STREET WIDENING
CITY OF JOPLIN

JOPLIN, MISSOURI

2021

drawn by: SDN
checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18.1949
drawing no: C_RPP01-02_N181949
date: 5/26/2021

SHEET
D6 of D18

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CJW_T_STORM
TSE_T_PHTCH_52768
TSE_T_PBASE_52768
OA_F_PBASE_52768

OA_F_PBASE_52768 TSE_T_PBASE_52768 TSE_T_PHTCH_52768 CJW_T_STORM CJW_T_PPATT_015-2768 - 3 lane
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CENTERLINE 32ND STREET STATIONING SHOWN FOR REFERENCE ONLY

PROPOSED TEMPORARY CONSTRUCTION EASEMENT

BURIED FIBER-OPTIC/TELEPHONE TO BE RELOCATED BY UTILITY CO.

ABANDON EXISTING 12" WATERLINE AFTER NEW WATERLINE IN SERVICE AND ALL WATER SERVICES RECONNECTED

MATCH LINE 6+00

STA 8+45.98
STA 8+48.81
INSTALL 12" 45° BENDS

CLOSE EXISTING VALVE AND INSTALL TEMPORARY SERVICE CONNECTION (EAST OF CLOSED VALVE) TO SERVE EXISTING CUSTOMER (SEE SHT D6) AND TO ISOLATE WATERLINE WEST TO DAY ROAD, TAKING EXISTING 12" WATERLINE OUT OF SERVICE FOR INSTALLATION OF NEW 12" WATERLINE "E"

ABANDON EXISTING 12" WATERLINE AFTER NEW WATERLINE IN SERVICE AND ALL WATER SERVICES RECONNECTED

PROPOSED 6" GAS MAIN DEPTH TO BE 6' MINIMUM (APPROXIMATE LOCATION)

PROPOSED RIGHT-OF-WAY

12" WATERLINE "E" RELOCATION

STA 9+72.11
STA 9+77.82
INSTALL 12" 45° BENDS

IRON GATES ROAD

STA 10+57.88
TIE TO EXISTING 8" WATERLINE WITH 12"x8" TEE AND NEW 8" GATE VALVE WITH BOX (NORTH) AND 12" GATE VALVE WITH BOX (EAST) INSTALL CROSS BLOCK NORTH OF 12"x8" TEE

POWER LINE, POLES & ANCHORS TO BE RELOCATED BY UTILITY CO.

PROPOSED RIGHT-OF-WAY

PROPOSED FIBER-OPTIC CONDUIT

PROPOSED TEMPORARY CONSTRUCTION EASEMENT

PROTECT LANDSCAPING

GAS MAIN TO BE ABANDONED IN PLACE

CLOSE EXISTING GATE VALVE PRIOR TO NEW 12" WATERLINE "E" INSTALLATION ALONG NORTH SIDE OF 32ND STREET

INSTALL 12" WATERLINE CAPPED STUB-OUT FOR FUTURE CONNECTION

GAS MAIN TO BE ABANDONED IN PLACE

SANITARY SEWER FORCE MAIN TO BE ABANDONED IN PLACE

12" WATERLINE "E" RELOCATION

FUTURE EDGE OF CURB

STA 7+73.74
INSTALL 12"x12" TEE AND 12" GATE VALVES WITH BOX (NORTH AND WEST)

PROPOSED AT&T FIBER OPTIC LINE (APPROXIMATE LOCATION)

FUTURE EDGE OF CURB

POWER LINES & POLES TO BE RELOCATED BY UTILITY COMPANY

PROPOSED 6" GAS MAIN DEPTH TO BE 6' MINIMUM (APPROXIMATE LOCATION)

PROPOSED RIGHT-OF-WAY

8" WATERLINE RELOCATION SEE SHT D8

ARBOR ROAD

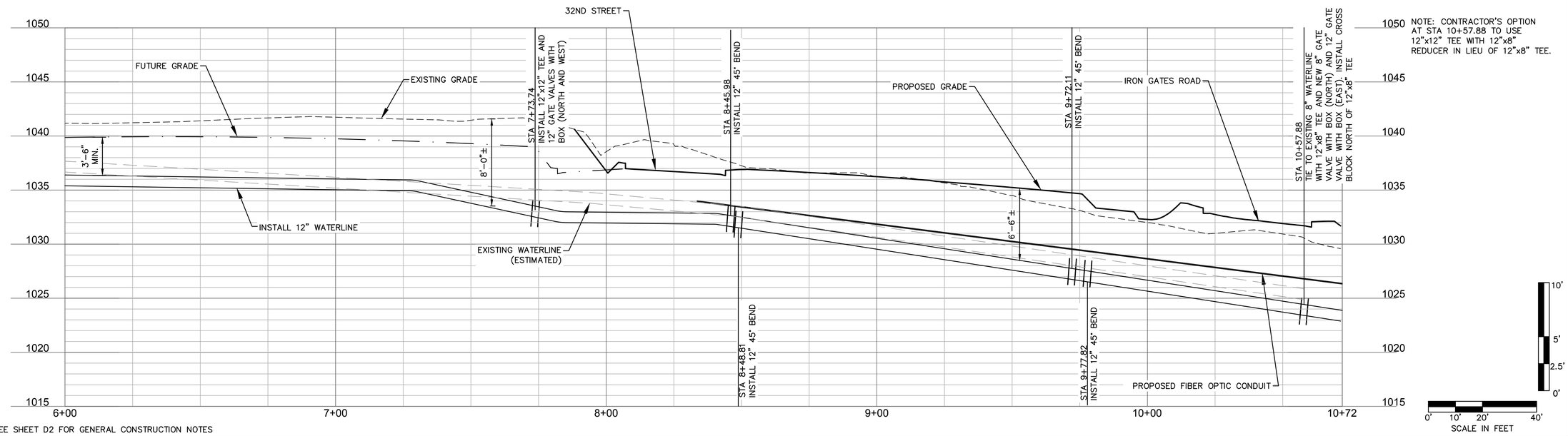
FUTURE EDGE OF CURB

PROPOSED RIGHT-OF-WAY

GRADING LIMITS

SCALE IN FEET 0' 10' 20' 40'

WATERLINE "E" RELOCATION PLAN AND PROFILE (STA 6+00 TO 10+72)



NOTE: CONTRACTOR'S OPTION AT STA 10+57.88 TO USE 12"x12" TEE WITH 12"x8" REDUCER IN LIEU OF 12"x8" TEE.

* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

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WATERLINE "E" RELOCATION PLAN AND PROFILE
(STA 6+00 TO 10+72)

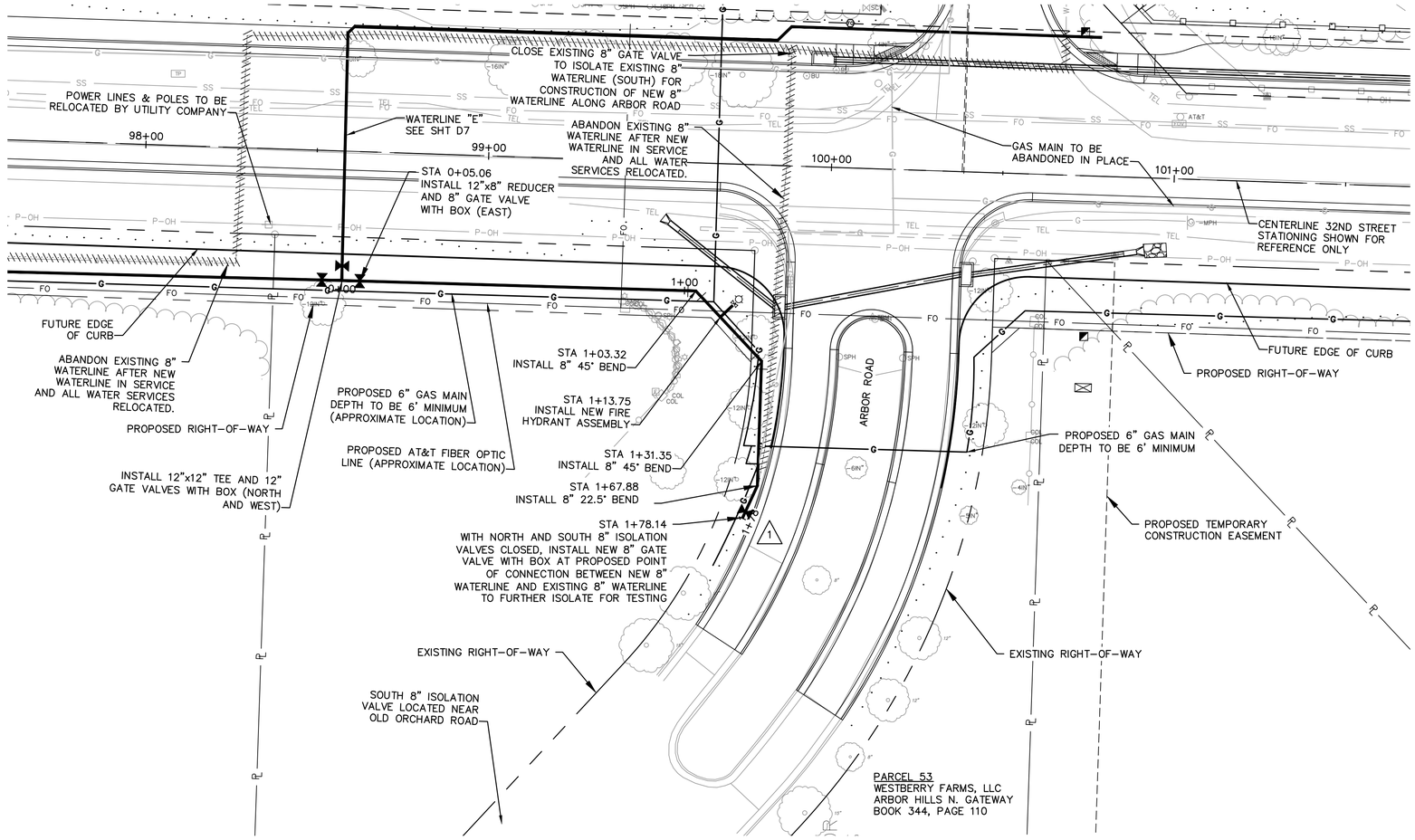
32ND STREET WIDENING
CITY OF JOPLIN

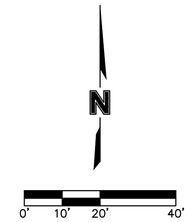
JOPLIN, MISSOURI

2021

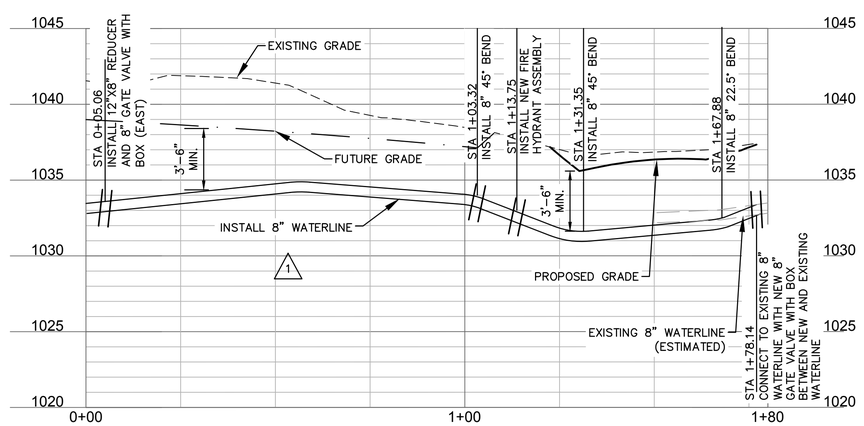
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checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18-1949
drawing noC_RPP01-02_N181949
date: 5/26/2021

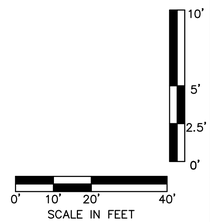
SHEET
D7 of D18





WATERLINE RELOCATION PLAN AND PROFILE - ARBOR ROAD (STA 0+00 TO 1+80)





* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

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REVISIONS

WATERLINE RELOCATION PLAN AND PROFILE
ARBOR ROAD (STA 0+00 TO 1+80)

32ND STREET WIDENING
CITY OF JOPLIN

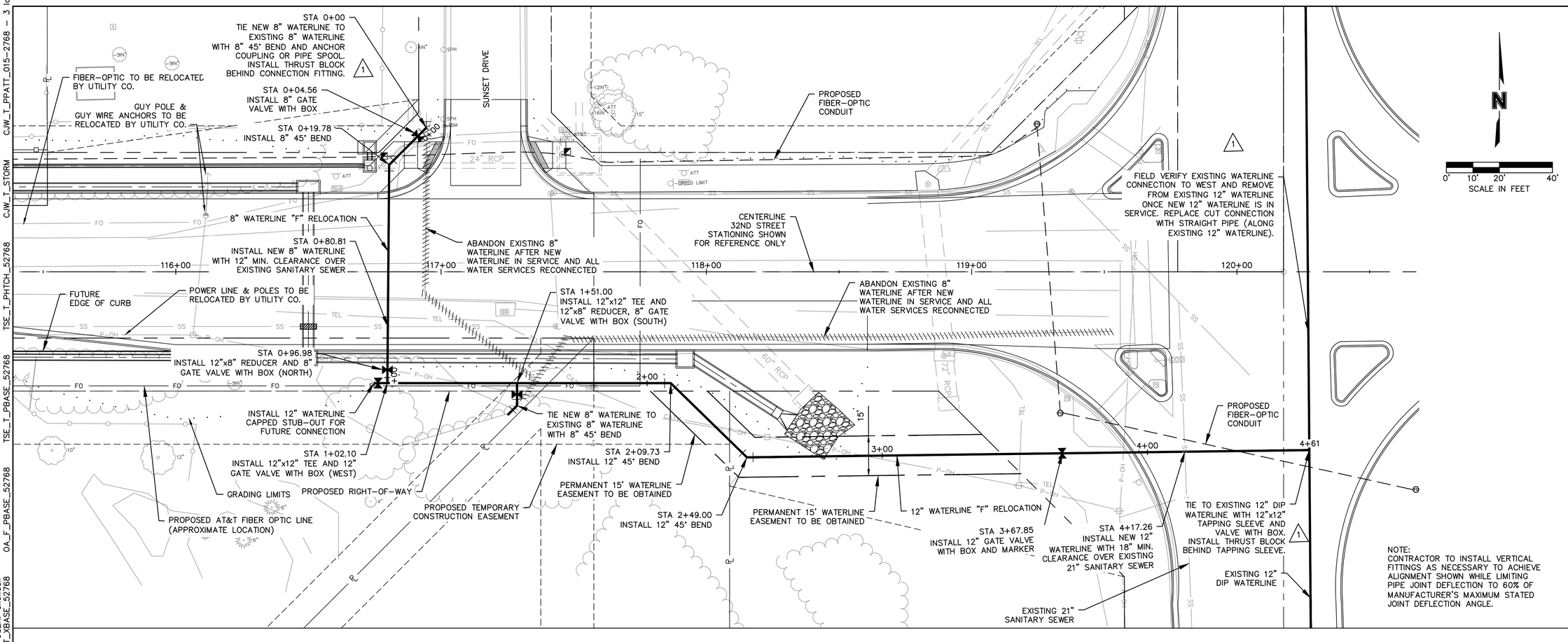
JOPLIN, MISSOURI

2021

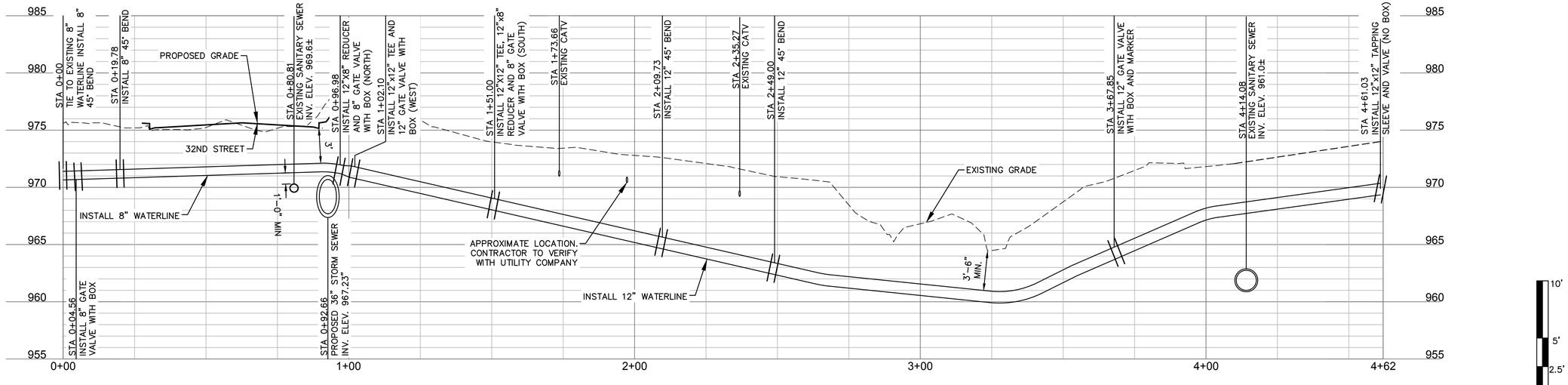
drawn by: SDN
checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18-1949
drawing noC_RPP01-02_N181949
date: 5/26/2021

SHEET
D8 of D18

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OA_F_PBASE_52768 TSE_T_PBASE_52768 TSE_T_PHTCH_52768 CJW_T_STORM CJW_T_PPATT_015-2768 - 3 lane



WATERLINE "F" RELOCATION PLAN AND PROFILE (STA 0+00 TO 4+62)



* SEE SHEET D2 FOR GENERAL CONSTRUCTION NOTES

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PE–2004000803

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REVISIONS

WATERLINE "F" RELOCATION PLAN AND PROFILE
(STA 0+00 TO STA 4+62)

32ND STREET WIDENING
CITY OF JOPLIN

JOPLIN, MISSOURI

2021

drawn by: SDN
checked by: TDC
approved by: JGJ
QA/QC by: JGJ
project no.: N18-1949
drawing noC_RPP01-02_N181949
date: 5/26/2021

SHEET
D9 of D18

DWG: F:\2018\1501-2000\018-1949-N\40-Design\AutoCAD\Final Plans\Sheets\C_RPP01-02_N181949.dwg USER: skendall
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CJW_T_PPATT_015-2768 - 3 lane
CJW_T_STORM
TSE_T_PHTCH_52768
TSE_T_PBASE_52768
OA_F_PBASE_52768
USER: skendall

JOB SPECIAL PROVISION JSP-1200-02
GRADING

1.0 SCOPE

Grading at locations shown on the plans shall be in accordance with Section 1200 of the current approved City of Joplin, Standard Specifications except as otherwise modified herein.

2.0 MEASUREMENT

Final measurement will not be made for Unclassified Excavation, Embankment, Embankment (Special)(Minimum 40% Chert), and Imported Fill, except for authorized changes during construction or where appreciable errors are found in the contract quantity. Where required, measurement for Unclassified Excavation, Embankment, Embankment (Special)(Minimum 40% Chert), and Imported Fill will be computed to the nearest cubic yard. The correction will be added to or deducted from the contract quantity.

Removal of Unsuitable Material and Backfill of Unsuitable Material, when ordered by the Engineer, shall be measured by the Cubic Yard of completed volume of unsuitable material actually removed and backfilled. Removal of Unsuitable Material and Backfill of Unsuitable Material shall only be measured when the surface area to be removed is less than 200 square feet. Areas in excess of 200 square feet of surface area will be measured as additional Unclassified Excavation, Embankment, and/or Imported Fill as required.

3.0 PAYMENT

The accepted quantity of "Unclassified Excavation", "Embankment", "Embankment (Special)(Minimum 40% Chert)", "Imported Fill", "Removal of Unsuitable Material", and "Backfill of Unsuitable Material" will be paid for at the contract unit price per cubic yard and shall include all labor, equipment, tools material, and all other incidental items required to complete grading in accordance with the contract documents. No direct payment will be made for loading, hauling, stockpiling, disposing of excess material, compaction, water, or other incidental items to this work as these items shall be subsidiary to Unclassified Excavation, Embankment, Embankment (Special)(Minimum 40% Chert), Imported Fill, Removal of Unsuitable Material, and Backfill of Unsuitable Material.

JOB SPECIAL PROVISION JSP-0400-07
PRICE ADJUSTMENT FOR FUEL

1.0 PRICE ADJUSTMENT FOR FUEL

If the contractor accepts the option for fuel adjustment in the bid proposal, the method of price adjustment for the fuel used on the items of work specified herein will be based on "Fuel Usage Factors". The following table specifies the fuel usage factors for Production and On-Road Hauling. The On-Road Hauling Factor is based on an average 30-mile round trip and will be used regardless of the actual haul distance.

CITY BID ITEM	UNIT	FUEL USAGE FACTOR FOR PRODUCTION	FUEL USAGE FACTOR FOR ON-ROAD HAULING	TOTAL FUEL USAGE FACTOR
EXCAVATION PRODUCTION				
17 – Unclassified Excavation	gal/yd^3	0.30	n/a	0.30
20 – Imported Fill	gal/yd^3	0.35	n/a	0.35
21 – Removal of Unsuitable Material	gal/yd^3	0.35	n/a	0.35
22 – Backfill of Unsuitable Material	gal/yd^3	0.35	n/a	0.35
23 – Removal, Transportation, and Disposal of Contaminated Soils	gal/yd^3	0.35	n/a	0.35
ASPHALT PAVING PRODUCTION AND HAULING				
25 – Asphaltic Concrete Surface (2") (MoDOT BP-1)	gal/ton of total asphalt mix	2.65	0.67	3.32
27 – Asphaltic Concrete Base (8") (MoDOT Bituminous Base)	gal/ton of total asphalt mix	2.65	0.67	3.32
31 – Temporary Surfacing Material (HMA MoDOT BP-1)	gal/ton of total asphalt mix	2.65	0.67	3.32
CONCRETE PAVING PRODUCTION AND HAULING				
32 – 8" Concrete Pavement (Gutter Crossing incl. Integral Curb)	gal/yd^2	0.31	0.29	0.60
33 – 8" Concrete Pavement (Roadway)	gal/yd^2	0.31	0.29	0.60
37 – 4" Sidewalk Construction (Incl. 2" MoDOT Type 5 Agg. Base)	gal/yd^2	0.27	0.22	0.49
38 – Curb Ramp (Incl. 2" MoDOT Type 5 Agg. Base)	gal/yd^2	0.27	0.22	0.49
39 – Residential Driveway Construction (6" Concrete) (Inc. 4" MoDOT Type 5 Agg. Base)	gal/yd^2	0.27	0.22	0.49
40 – Commercial Driveway Construction (8" Concrete) (Incl. 4" MoDOT Type 5 Agg. Base)	gal/yd^2	0.31	0.29	0.60
AGGREGATE BASE HAULING				
28 – 8" MoDOT Type 5 Aggregate Base	gal/yd^2	n/a	0.30	0.30
29 – 6" MoDOT Type 1 Aggregate Surface	gal/yd^2	n/a	0.23	0.23
30 – Temporary Surfacing Material (Aggregate)(MoDOT Type 1)	gal/ton	n/a	0.67	0.67

Price adjustment for fuel will only apply to City Bid Items listed in the above table.

1.1 The first day of May (excluding Saturdays, Sundays, and holidays) will be used to establish the "Starting Fuel Index" for the duration of the project. The "Starting Fuel Index" will be the average of the values given for No. 2 fuel as reported by Platt's Oilgram – PAD 2 – St. Louis Area.

STARTING FUEL INDEX = $2.16

1.2 The pay items and unit prices in the contract will not change. The MoDOT Commission will, on the first day of each month (excluding Saturdays, Sundays and holidays), determine the "Monthly Fuel Index" of No. 2 fuel from the price index as reported by Platt's Oilgram – PAD 2 – St. Louis Area, and the City will use this to apply to all payment estimates during that month regardless of the type of fuel used.

1.3 The quantities of completed work for the payment period will be determined by the engineer and included in the payment estimate. These same quantities will be used to determine the fuel usage for any price adjustment.

1.4 The difference (±) between the "Monthly Fuel Index" and the "Starting Fuel Index" will be the "Monthly Fuel Index Adjustment Factor". This "Monthly Fuel Index Adjustment Factor", along with the "Fuel Usage Factor" and quantities of completed work for which payment is made will determine the fuel adjustment payment or deduction.

1.5 If adjustments are made in the contract quantities, the contractor shall accept the fuel adjustment as full compensation for increase or decreases in the price of fuel regardless of the amounts of overrun or underrun.

1.6 The fuel adjustment will be computed each pay period work is performed, for the usage of fuel by the following procedure:

Fuel Adjustment = (Fuel Usage Factor) x (Monthly Fuel Index Adjustment Factor) x (Units of Work included in the payment estimate)

1.7 Payments or deductions for the fuel adjustments on the various items of work will be made on the estimate as one "Fuel Adjustment". No change order will be required.

1.8 If the bidder wishes to be bound by these specifications, the bidder shall execute the acceptance form in the proposal. Failure by the bidder to execute the acceptance form will be interpreted to mean election to not participate in the price adjustment for fuel.

JOB SPECIAL PROVISION JSP-0400-08
PRICE ADJUSTMENT FOR ASPHALT CEMENT

1.0 PRICE ADJUSTMENT FOR ASPHALT CEMENT

1.1 ASPHALT CEMENT PRICE INDEX

Adjustments will be made to the payments due to the Contractor for any plant mix bituminous base, plant mix bituminous pavement, plant mix bituminous surface leveling, asphaltic concrete and ultrathin bonded asphalt wearing surface that contains performance graded (PG) asphalt binder when it has been determined that the Monthly Asphalt Index for the month prior to placement of the asphalt mixture has fluctuated from the Monthly Asphalt Index for the month the project was let. The Monthly Asphalt Index shall be established for each calendar month as the average of the midpoint selling prices of PG64-22 for St. Louis and Kansas City, Missouri areas, as published by Poten Partners, Inc. in the Asphalt Weekly Monitor, on the first Monday preceding the date of the normal monthly MoDOT letting. For months when there is no normal monthly letting, the published price on the third Monday of that month shall be used for the Monthly Asphalt Index. Special lettings shall have no effect on determining the Monthly Asphalt Index. *The asphalt base index shall be the Monthly Asphalt Index for the month of May, as reported by MoDOT*. For calculation of the price adjustment, any asphalt placed on the first day of a month will be included with the asphalt placed the previous month in order to keep price adjustments in sync with the payment estimate period schedule.

STARTING ASPHALT PRICE INDEX = $472.50

1.1.1 The price adjustment will be applied to the actual amount of virgin PG asphalt binder used by the Contractor for all asphalt items specified in Sec 109.15.1. For asphalt mixtures that are paid for by the square yard, the price adjustments will be made for applicable equivalent tons, as calculated by the engineer, based upon the plan square yard quantity and thickness converted to tons, excluding the 1:1 wedge. The price adjustment will be applied to all Job Order Contract projects for all quantities of the wet ton and square yard asphalt mix. The percentage of virgin PG asphalt binder as shown in the job mix formula, in accordance with City of Joplin Specification Section 2200, will be the basis for price adjustments for any asphalt mix type placed on the project. The effective asphalt binder obtained from the use of Recycled Asphalt Pavement (RAP) and/or Recycled Asphalt Shingles (RAS) will not be eligible for adjustment. The Monthly Asphalt Index for PG64-22 will be applied to the asphalt mix for mixes using any PG asphalt binder.

1.1.2 PRICE ADJUSTMENT CALCULATED

To determine the price adjustment for any asphalt mix specified in this provision, the following formula will be used.

$$A = (B \times C/100) \times (D-E)$$

Where: A = Dollar value adjustment for mix placed during the payment estimate period
B = Tons of asphalt mixture placed during the payment estimate period
C = Percent of virgin PG asphalt binder as listed in the job mix formula in use
D = The Monthly Asphalt Index for the month prior to the month the asphalt mix was placed
E = The asphalt base index = the Monthly Asphalt Index for the month of May 2021

1.1.3 The engineer will apply the price adjustments, as determined by the price adjustment calculation established herein, for each payment estimate period in which asphalt is placed, except for any asphalt placed after the allowable contract time period as defined in the proposal. For asphalt placed after the contract completion time limit, the "D" value used for the price adjustment calculated shall be either the last "D" value prior to the date that contract time was exceeded, or the current monthly "D" value, whichever is lower.

1.1.4 OPTIONAL

This provision is optional. If the bidder wishes to be bound by this provision, the bidder shall execute the acceptance form in the Bid. Failure by the bidder to execute the acceptance form will be interpreted to mean election to not participate in the Asphalt Cement Price Index. If the Asphalt Cement Price Index is accepted, PG asphalt binder for the project will not be eligible for a material allowance (payment for stored materials)