

FINAL CONSTRUCTION DOCUMENTS

FOR 2024 CITY OF BAZINE STREET IMPROVEMENTS BAZINE, KS

PROJECT TITLE: 2024 CITY OF BAZINE STREET IMPROVEMENTS

PROPERTY OWNER: CITY OF BAZINE, 214 S MAIN ST, BAZINE, KS 67001
785-499-2100

ENGINEER: SLOAN ENGINEERING & CONSULTING, LLC
1070 MITCHELL ROAD, BAZINE, KS 67001
785-499-2100

PHONE: 785-499-2100

SURVEYOR: ADVANCED LAND SURVEYING AND DRAFTING
7632 STATE HIGHWAY 98, BAZINE, KS
785-499-2100

FLOODPLAIN NOTE: A PORTION OF THIS PROJECT IS WITHIN A FEMA DESIGNATED FLOODPLAIN PER A COMMUNITY PANEL NUMBER 2004-20010N

NO. 27-001: SHEET SQUARE AT BAZINE CITY HALL 214 S MAIN ST W BAZINE, KS. ELEV 2013.27 PER SURVEY POINT 1024010.000, CHRYSTEL, P.A., ADVANCED LAND SURVEYING AND DRAFTING.

UTILITY CONTACTS:


WATER	CITY OF BAZINE	BOB BLACK	785-499-2100
WASTE WATER	CITY OF BAZINE	BOB BLACK	785-499-2100
PHONE/FIBER	CITY OF BAZINE	BOB BLACK	785-499-2100
GAS	AT&T	AT&T	785-499-2100
ELECTRIC	AT&T	AT&T	785-499-2100

SUBMITTED FOR ACCEPTANCE TO:

BOB BLACK, SUPERINTENDANT
CITY OF BAZINE

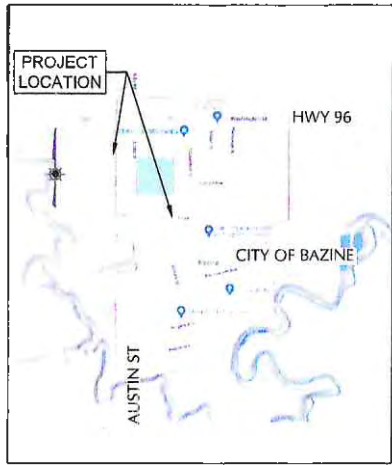
DATE

SUBMITTED BY:



1070 MITCHELL ROAD, BAZINE, KS 67001
785-499-2100

[Signature] 12/21/23
PALESTINE, P.E. DATE
ALL CIVIL PLANS



VICINITY MAP
SCALE: 1" = 1000'


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1	COVER
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8	FOOS PLAN & PROFILE 2 OF 2
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10	PARK AVE PLAN & PROFILE
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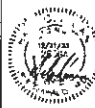
Know what's below.
Call before you dig.

WARNING!!!
THERE ARE EXISTING WASTEWATER MAINS, GAS, UNDERGROUND ELECTRIC, UNDERGROUND TELEPHONE LINES, WATER MAINS, STORM WATER, AND OTHER ABOVE AND BELOW GROUND UTILITIES IN THE VICINITY OF THIS PROJECT. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION IN THE AREA AND DETERMINE IF ANY CONFLICTS EXIST. IF SO, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER WHO SHALL REVISE THE DESIGN AS NECESSARY.

No.	REVISION	BY	DATE



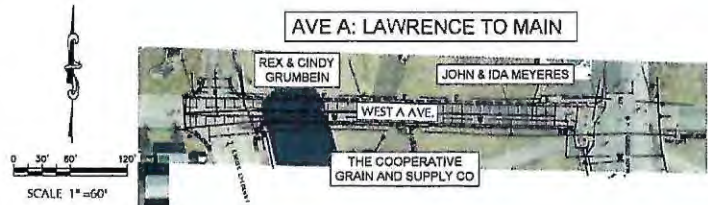
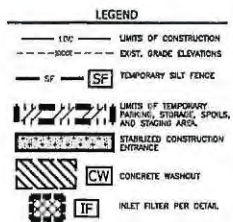
Know what's below.
Call before you dig.




SLOAN ENGINEERING AND CONSULTING
1070 MITCHELL ROAD, BAZINE, KS 67001
785-499-2100

CITY OF BAZINE STREET IMPROVEMENTS 2023
COVER
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

SHEET NO.
1 OF 35

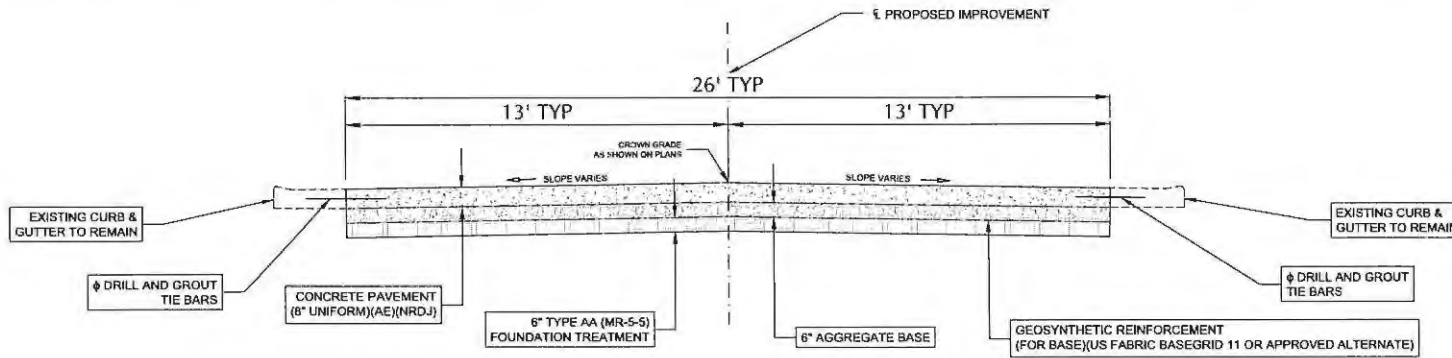


No.	REVISION	BY	DATE	DATE: 12/21/23 SCALE: 1" = 60' PROJECT NO.: 2105-27-001 DESIGNED BY: HCS DRAWN BY: HCS CHECKED BY: DEC REVISED BY: XXX
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CITY OF BAZINE STREET IMPROVEMENTS 2023
 EROSION AND SEDIMENTATION CONTROL
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

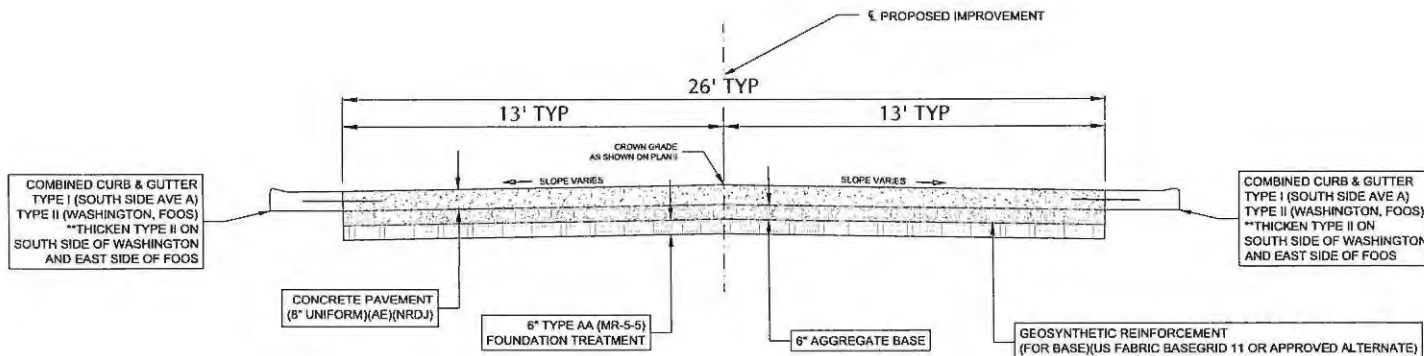
SHEET NO.
 3 OF 35



8 IN TYPICAL SECTION WITH CURB AND GUTTER TO REMAIN
WASHINGTON, FOOS, BELLEVUE, AVE A EAST, GILMORE

φ DRILL AND GROUT TIE BARS SHALL BE CONSIDERED SUBSIDIARY TO
"CONCRETE PAVEMENT (8" UNIFORM)(AE)(NRDJ)".

**CROWN SLOPE WILL VARY, REFER TO PROPOSED GRADE ∇ ELEVATIONS
ON STREET PLAN AND PROFILE SHEETS.
**CROSS SLOPES SHALL BE GRADUALLY WARPED TO MEET EXISTING
GUTTER, ABRUPT TRANSITIONS SHALL NOT BE ACCEPTABLE.



8 IN TYPICAL SECTION WITH NEW CURB AND GUTTER
WASHINGTON, FOOS, AVE A
(SEE PLAN SHEETS FOR LOCATION)

φ DRILL AND GROUT TIE BARS SHALL BE CONSIDERED SUBSIDIARY TO
"CONCRETE PAVEMENT (8" UNIFORM)(AE)(NRDJ)".

**CROWN SLOPE WILL VARY, REFER TO PROPOSED GRADE ∇ ELEVATIONS
ON STREET PLAN AND PROFILE SHEETS.
**CROSS SLOPES SHALL BE GRADUALLY WARPED TO MEET EXISTING
GUTTER, ABRUPT TRANSITIONS SHALL NOT BE ACCEPTABLE.

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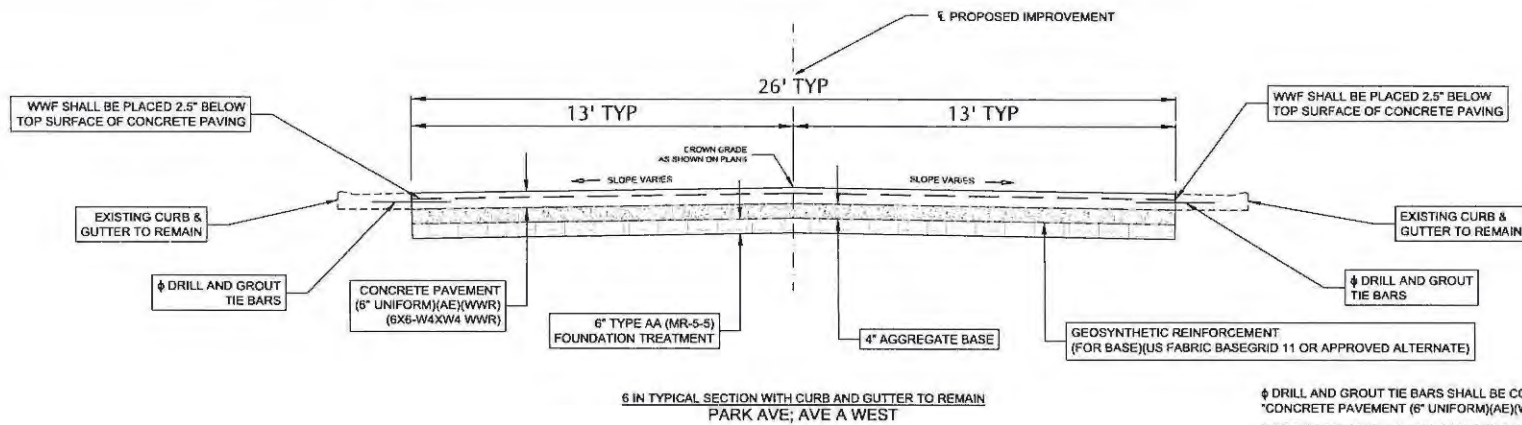
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DATE: 12/21/23
SCALE:
PROJECT NO: 2105-27-001
DESIGNED BY: HCS
DRAWN BY: HCS
CHECKED BY: DEC
REVISED BY: XXX



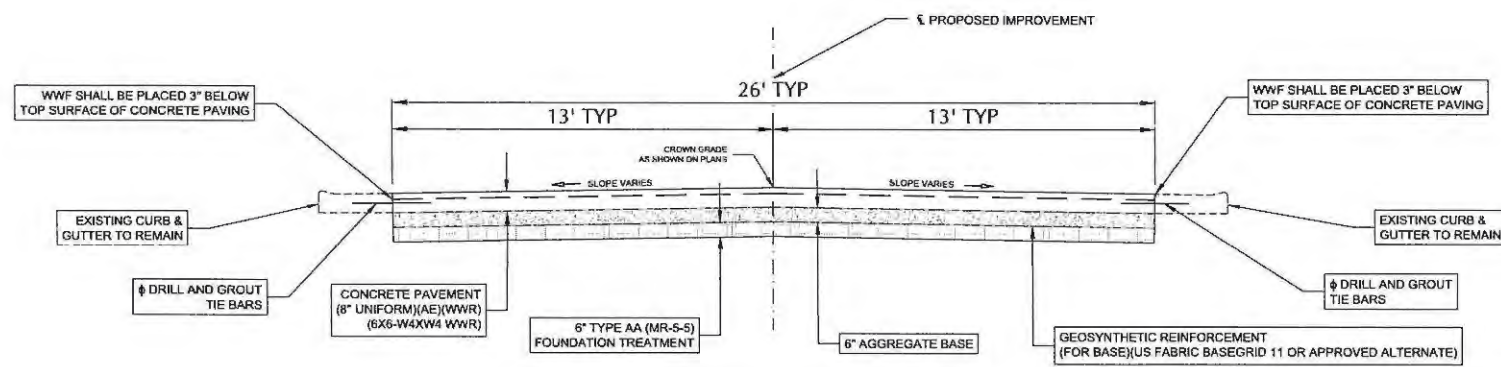
CITY OF BAZINE STREET IMPROVEMENTS 2023
TYPICAL SECTIONS 1 OF 2
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

SHEET NO.
4 OF 35



6 IN TYPICAL SECTION WITH CURB AND GUTTER TO REMAIN
PARK AVE; AVE A WEST

φ DRILL AND GROUT TIE BARS SHALL BE CONSIDERED SUBSIDIARY TO "CONCRETE PAVEMENT (6" UNIFORM)(AE)(WWF)".
 **CROWN SLOPE WILL VARY, REFER TO PROPOSED GRADE ELEVATIONS ON STREET PLAN AND PROFILE SHEETS.
 **CROSS SLOPES SHALL BE GRADUALLY WARPED TO MEET EXISTING GUTTER, ABRUPT TRANSITIONS SHALL NOT BE ACCEPTABLE.
 **THE WWF SHALL BE PLACED SO THAT THE 12" WIRE RUNS PARALLEL WITH LONGITUDINAL JOINT.



8 IN TYPICAL SECTION WITH CURB AND GUTTER TO REMAIN
CURVE FROM WASHINGTON AND FOOS

φ DRILL AND GROUT TIE BARS SHALL BE CONSIDERED SUBSIDIARY TO "CONCRETE PAVEMENT (8" UNIFORM)(AE)(NRJ)".
 **CROWN SLOPE WILL VARY, REFER TO PROPOSED GRADE ELEVATIONS ON STREET PLAN AND PROFILE SHEETS.
 **CROSS SLOPES SHALL BE GRADUALLY WARPED TO MEET EXISTING GUTTER, ABRUPT TRANSITIONS SHALL NOT BE ACCEPTABLE.

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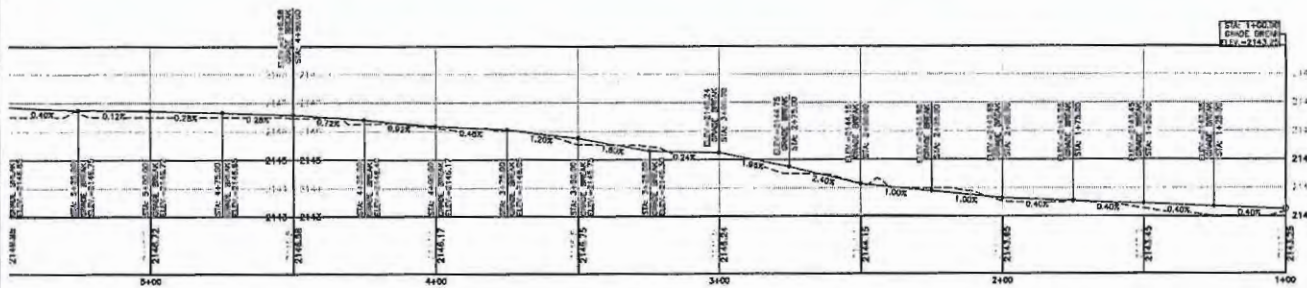
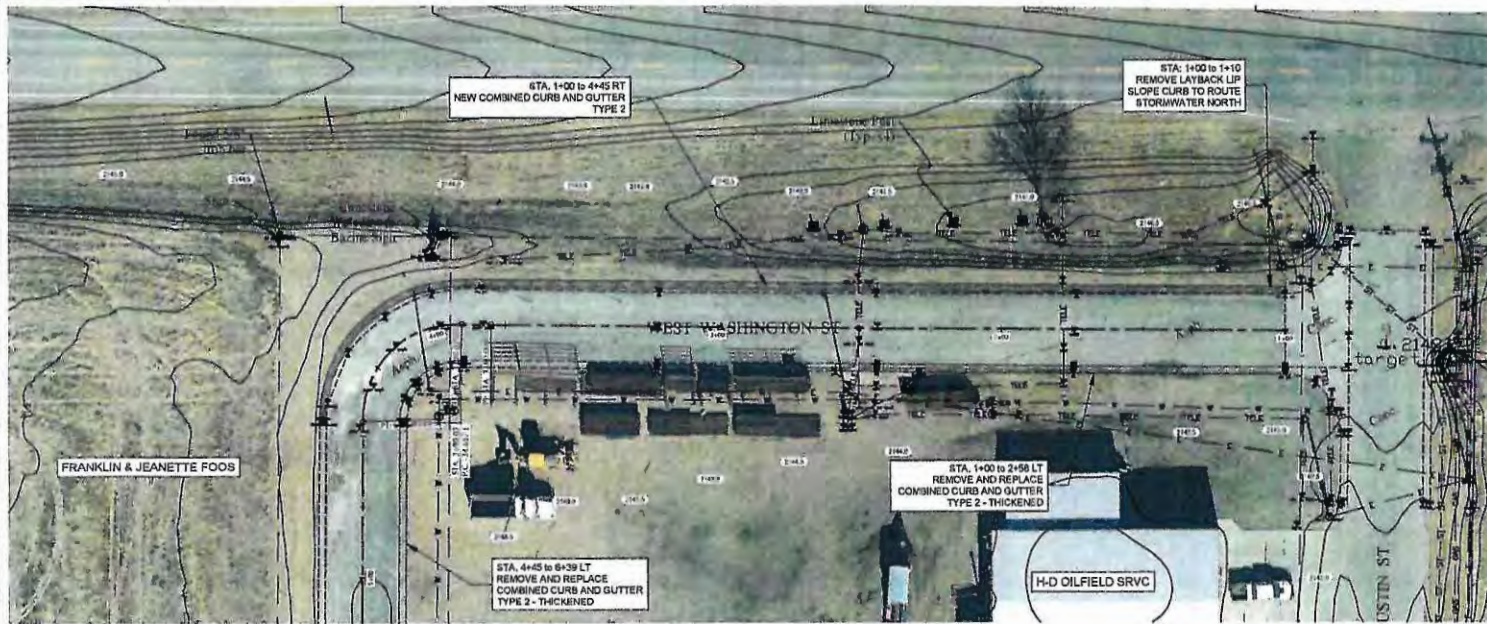
No.	REVISION	BY	DATE	DATE: 12/21/23 SCALE: PROJECT NO: 2105-27-001 DESIGNED BY: HCS DRAWN BY: HCS CHECKED BY: DEC REVISED BY: XXX
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SLOAN ENGINEERING AND CONSULTING
 1070 N. PLEASANT RD HAYS, KS 67601
 KSMP Firm No. E-2829
 785.821.1777

CITY OF BAZINE STREET IMPROVEMENTS 2023
 TYPICAL SECTIONS 2 OF 2
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

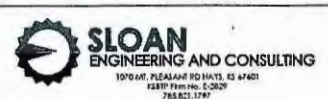
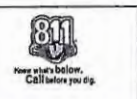
SHEET NO.
 5 OF 35



PV - WASHINGTON FOOS PROFILE - STA. 1+00 TO 4+50
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

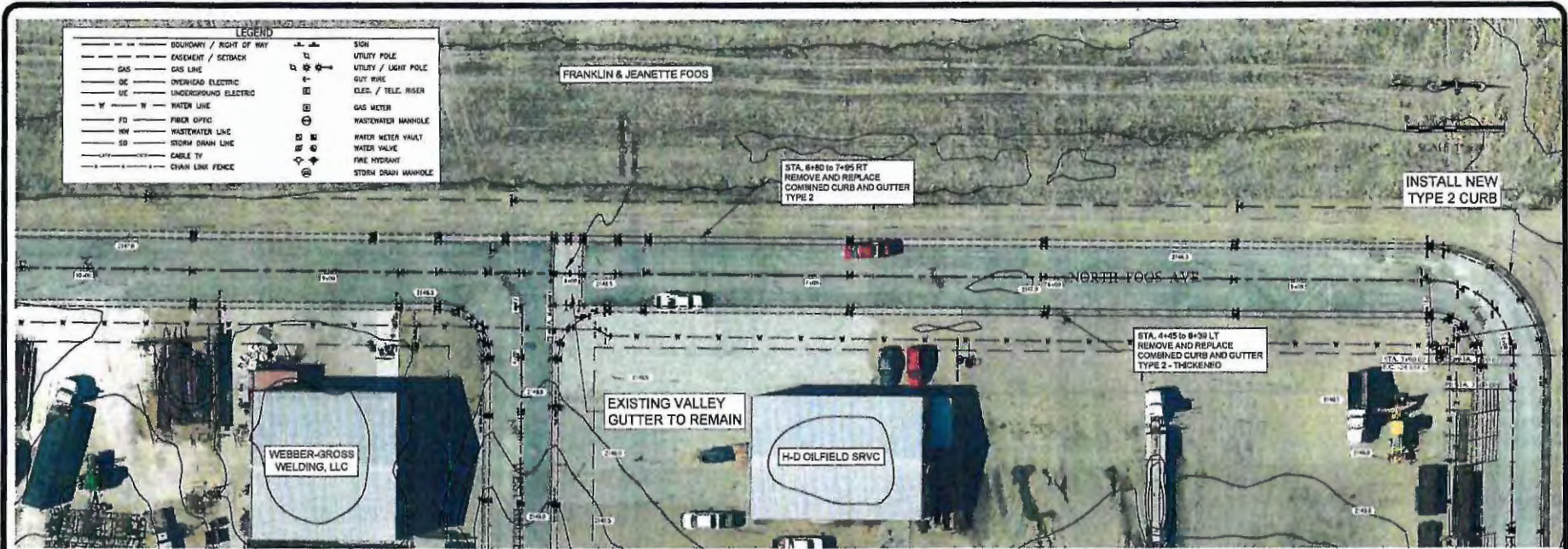
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---	BOUNDARY / RIGHT OF WAY
---	EASEMENT / SETBACK
---	GAS LINE
---	OE OVERHEAD ELECTRIC
---	UE UNDERGROUND ELECTRIC
---	W WATER LINE
---	FO FIBER OPTIC
---	WW WASTEWATER LINE
---	S2 STORM DRAIN LINE
---	CABLE TV
---	CHAIN LINK FENCE
+	SIGN
+	UTILITY POLE
+	UTILITY / LIGHT POLE
+	SDY WIRE
+	ELED. / TELC. RISER
+	GAS METER
+	WASTEWATER MANHOLE
+	WATER METER VAULT
+	WATER VALVE
+	FILE HYDRANT
+	STORM GRAB MANHOLE

DATE:	12/21/23
SCALE:	1" = X'
PROJECT NO.:	2105-27-001
DESIGNED BY:	HCS
DRAWN BY:	HCS
CHECKED BY:	DEC
REVISOR:	XXX

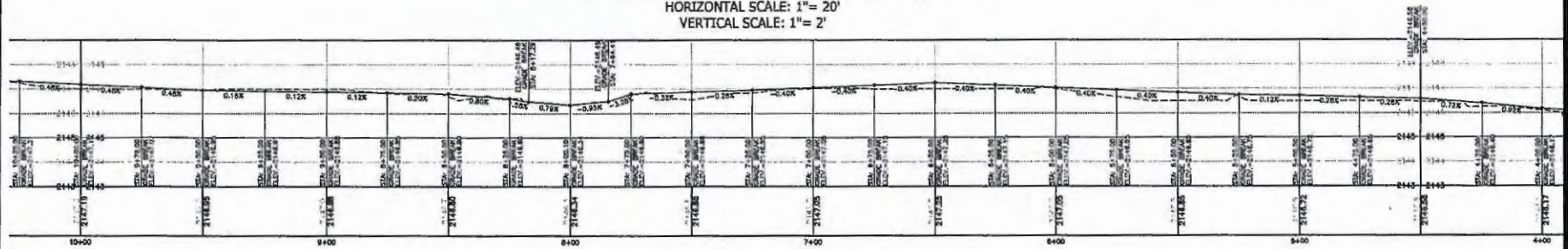


CITY OF BAZINE STREET IMPROVEMENTS 2023
 WASHINGTON PLAN & PROFILE
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 6 OF 35

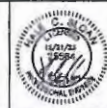


PV - WASHINGTON FOOS PROFILE - STA. 0+50 TO 13+00
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'



PV - WASHINGTON FOOS PROFILE - STA. 4+50 TO 10+00
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

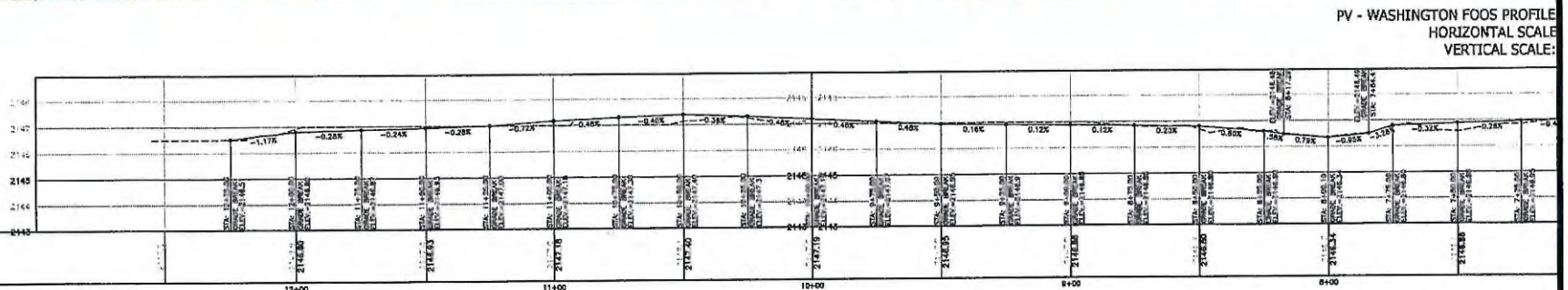
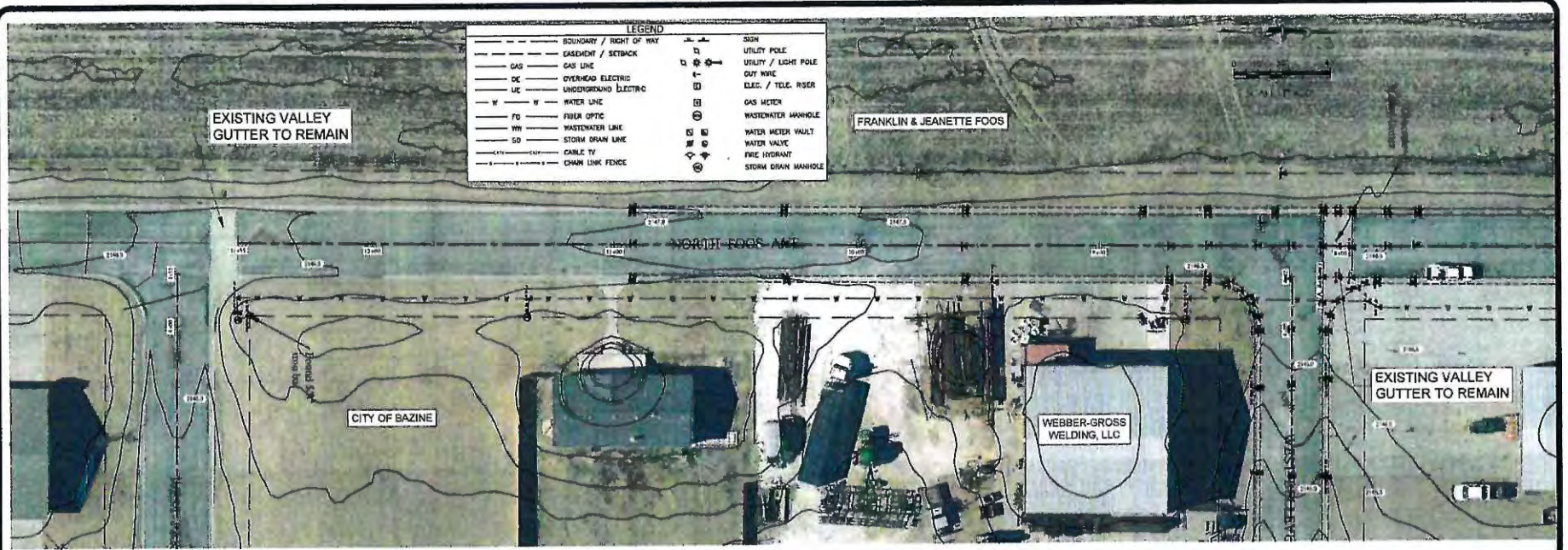
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SCALE: 1" = X'	DRAWN BY: HCS
PROJECT NO: 2105-27-001	CHECKED BY: DEC
REVISION	REVISOR
BY	DATE
REVISOR	DATE



SLOAN
 ENGINEERING AND CONSULTING
 1070 N.E. PLEASANT RD. SUITE 101
 AUSTIN, TEXAS 78752
 785.621.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
 FOOS PLAN & PROFILE 1 OF 2
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 7 OF 35



PV - WASHINGTON FOOS PROFILE - STA. 10+00 TO 13+00
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 2'

PV - WASHINGTON FOOS PROFILE
HORIZONTAL SCALE:
VERTICAL SCALE:

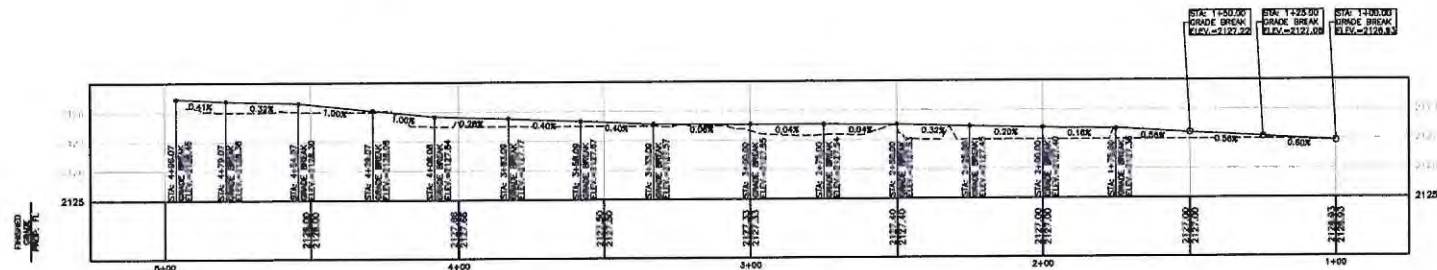
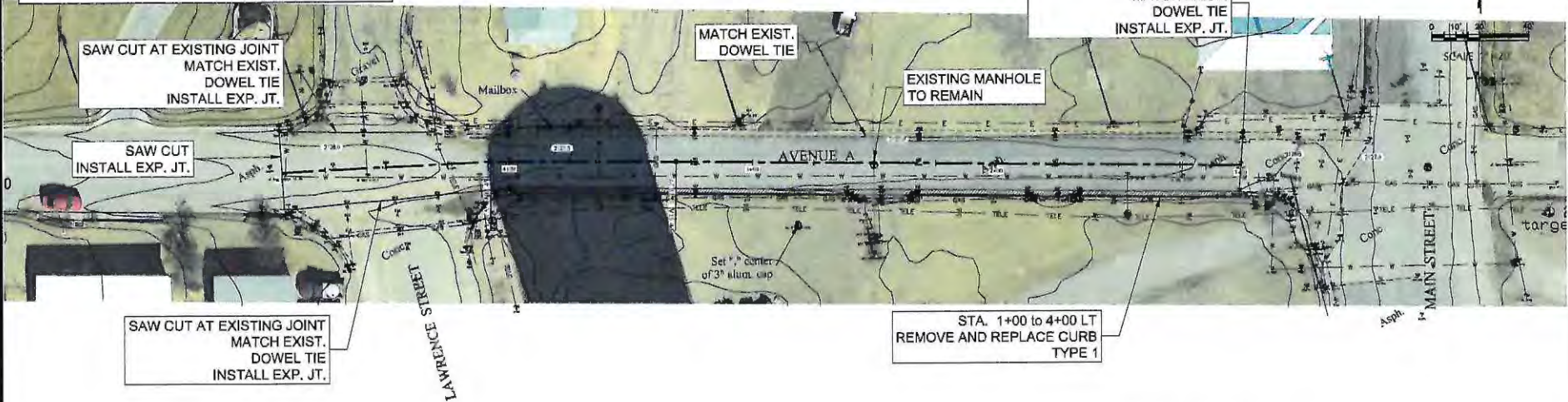
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CITY OF BAZINE STREET IMPROVEMENTS 2023
FOOS PLAN & PROFILE 2 OF 2
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

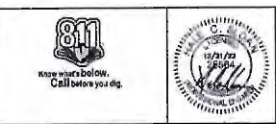
SHEET NO.
8 OF 35

LEGEND			
---	BOUNDARY / RIGHT OF WAY	⊙	SIGN
---	EASEMENT / SETBACK	⊙	UTILITY POLE
---	GAS LINE	⊙	UTILITY / LIGHT POLE
---	OVERHEAD ELECTRIC	⊙	GUY WIRE
---	UNDERGROUND ELECTRIC	⊙	ELEC. / TELE. RISER
---	WATER LINE	⊙	GAS METER
---	FIBER OPTIC	⊙	WASTEWATER MANHOLE
---	WASTEWATER LINE	⊙	WATER METER VAULT
---	STORM DRAIN LINE	⊙	WATER VALVE
---	CABLE TV	⊙	FIRE HYDRANT
---	CHAIN LINK FENCE	⊙	STORM DRAIN MANHOLE



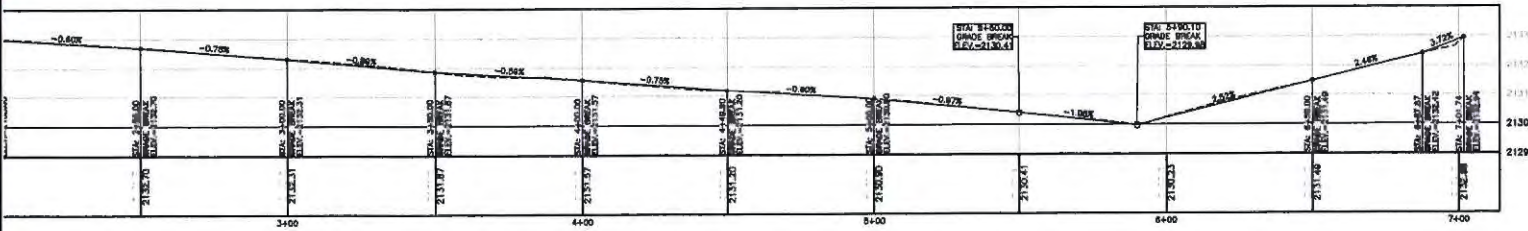
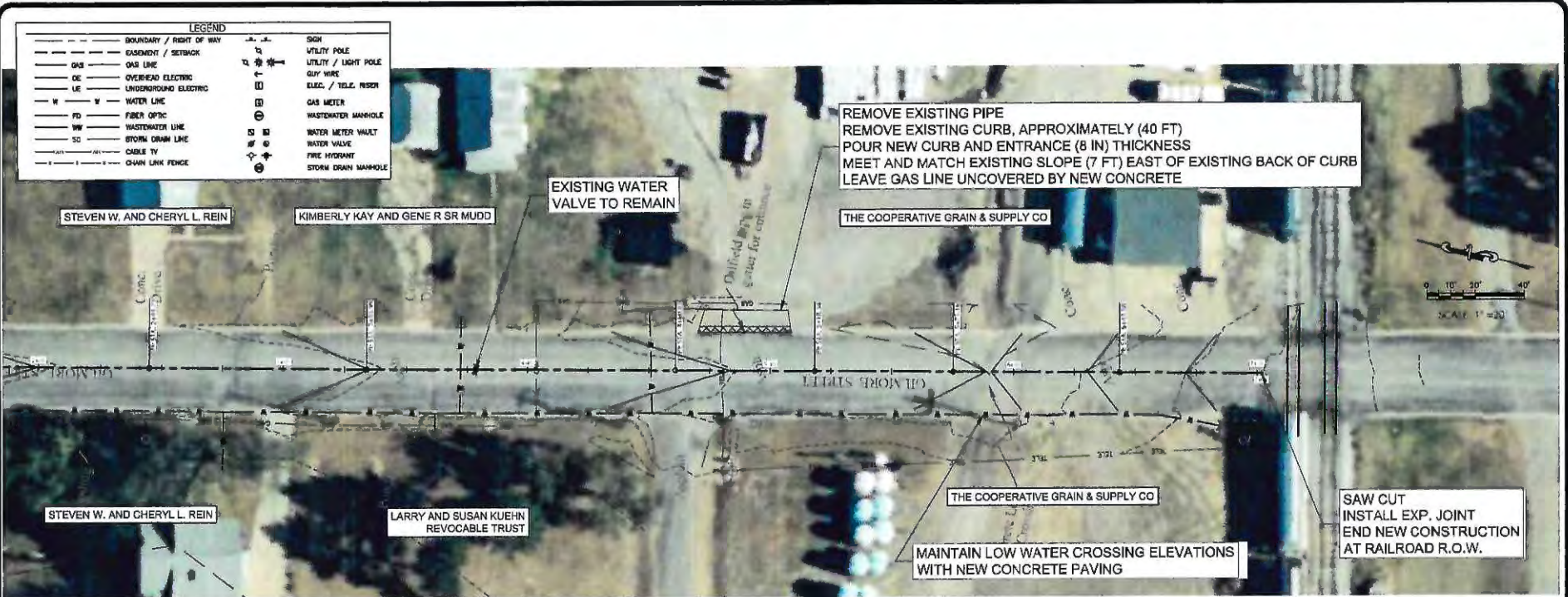
PV - AVE A PROFILE - STA. 0+75 TO 5+25
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

DATE:	12/21/23
SCALE:	1" = X'
PROJECT NO.:	2105-27-001
DESIGNED BY:	HCS
DRAWN BY:	HCS
CHECKED BY:	DEC
REVISION:	XXX



CITY OF BAZINE STREET IMPROVEMENTS 2023
 AVE A PLAN & PROFILE
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 11 OF 35



PV - GILMORE PROFILE - STA. 1+00 TO 7+14
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 2'

No.	REVISION	BY	DATE

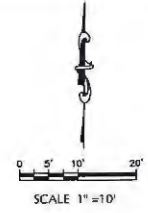
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 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX



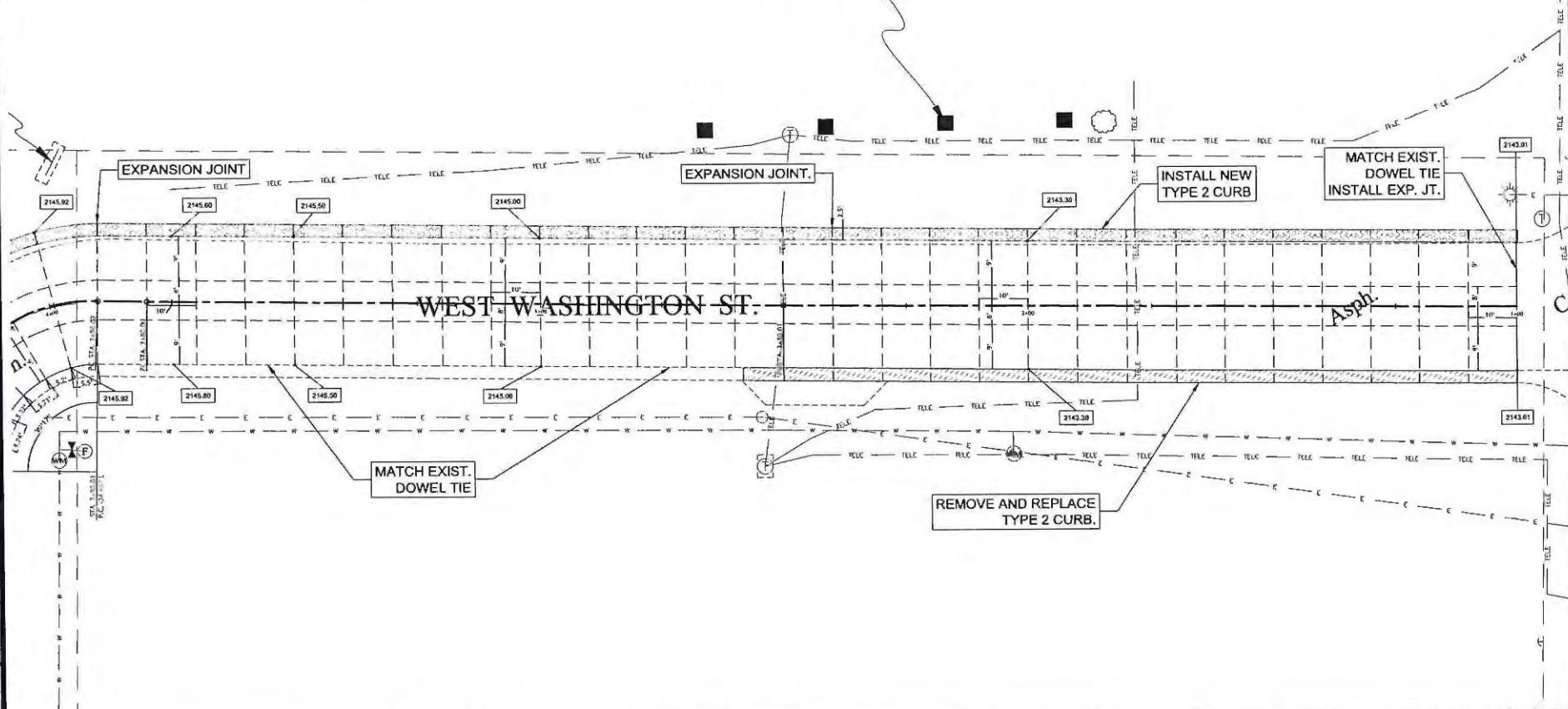
CITY OF BAZILE STREET IMPROVEMENTS 2023
 GILMORE SOUTH PLAN & PROFILE
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 14 OF 35

LEGEND			
---	BOUNDARY / RIGHT OF WAY	⊕	SIGN
---	ENCUMBRANCE / SETBACK	□	UTILITY POLE
---	GAS LINE	⊕	UTILITY / LIGHT POLE
---	OE	⊕	CLY WIRE
---	OVERHEAD ELECTRIC	⊕	ELEC. / TELE. RISER
---	UE	⊕	GAS METER
---	UNDERGROUND ELECTRIC	⊕	WASTEWATER MANHOLE
---	W	⊕	WATER METER VAULT
---	WATER LINE	⊕	FIRE VALVE
---	FO	⊕	WATER VALVE
---	FIBER OPTIC	⊕	STORM DRAIN MANHOLE
---	MW	⊕	
---	MWASTENWATER LINE	⊕	
---	SD	⊕	
---	STORM DRAIN LINE	⊕	
---	CABLE TV	⊕	
---	CHAIN LINK FENCE	⊕	



Limestone Post
(Typ. x4)



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DATE:	12/21/23
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REVISOR:	XXX



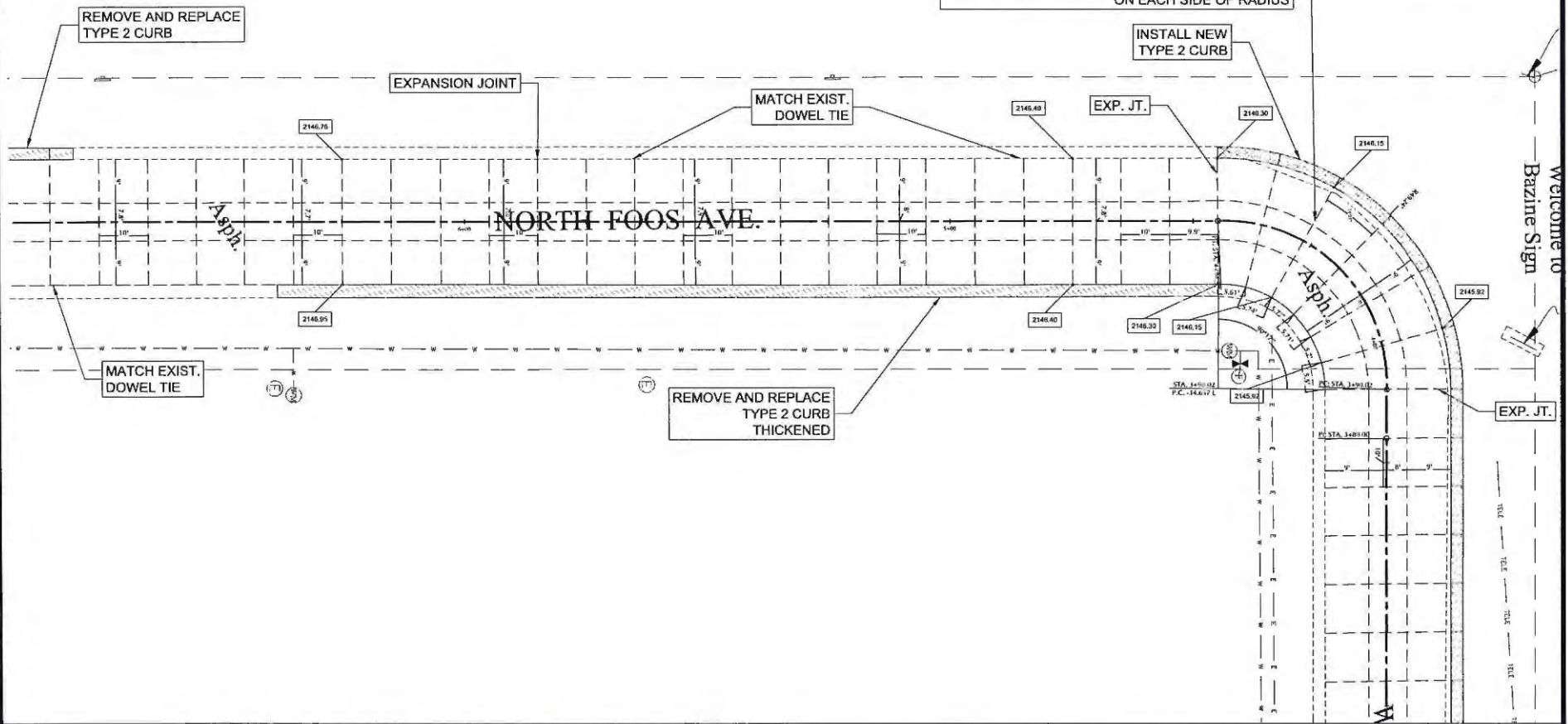
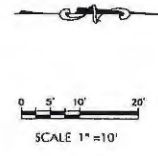
SLOAN
ENGINEERING AND CONSULTING
1070 AM. PLEASANT RD (WAYS, ES 47401)
KSBTP Firm No. E-2829
786.821.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
WASHINGTON JOINT DETAIL
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

SHEET NO.
15 OF 35

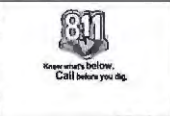
LEGEND	
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--- EAVESMENT / SETBACK	--- UTILITY POLE
--- GAS	--- UTILITY / LIGHT POLE
--- GAS LINE	--- GUY WIRE
--- UNDERGROUND ELECTRIC	--- ELEC. / TELC. RISER
--- UNDERGROUND ELECTRIC	--- GAS METER
--- WATER LINE	--- WASTEWATER MANHOLE
--- FIBER OPTIC	--- WATER METER VAULT
--- WASTEWATER LINE	--- WATER VALVE
--- STORM DRAIN LINE	--- FIRE HYDRANT
--- CABLE TV	--- STORM DRAIN MANHOLE
--- CHAIN LINK FENCE	

STA. 3+90 to 4+45
 INSTALL WWR IN RADIUS, MID-DEPTH
 (6X6-W4XW4 WWR)
 *DO NOT INSTALL DOWEL BASKETS WITHIN RADIUS
 *INSTALL DOWEL BASKETS AT EXPANSION JOINT
 *MAINTAIN TIE BARS
 ON EACH SIDE OF RADIUS



No.	REVISION	BY	DATE

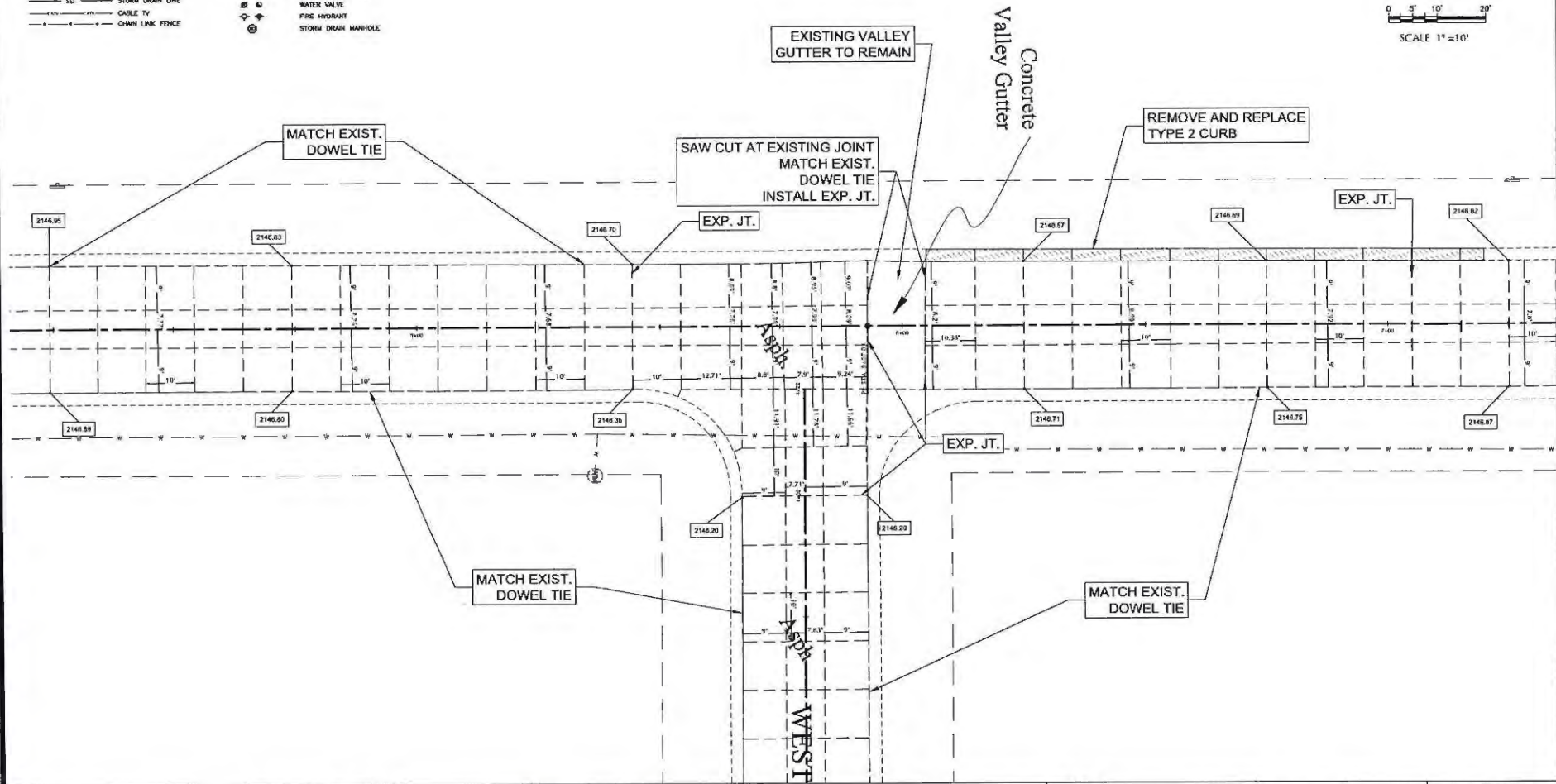
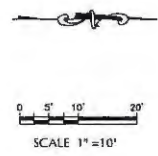
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 PROJECT NO: 2105-27-001
 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX



SLOAN
 ENGINEERING AND CONSULTING
 1070 N. PLEASANT RD HAYS, KS 67601
 KSBP 19th Fl. E 2029
 785.921.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
 FOOS JOINT DETAIL 1 OF 3
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

LEGEND			
---	BOUNDARY / RIGHT OF WAY	⊠	SIGN
---	EASEMENT / SETBACK	⊠	UTILITY POLE
---	GAS LINE	⊠	UTILITY / LIGHT POLE
---	OVERHEAD ELECTRIC	⊠	GUY WIRE
---	UNDERGROUND ELECTRIC	⊠	ELEC. / TELL. RISER
---	WATER LINE	⊠	GAS METER
---	FIBER OPTIC	⊠	WASTEWATER MANHOLE
---	WASTEWATER LINE	⊠	WATER METER VAULT
---	STORM DRAIN LINE	⊠	WATER VALVE
---	CABLE TV	⊠	FIRE HYDRANT
---	CHAIN LINK FENCE	⊠	STORM DRAIN MANHOLE



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No.	REVISION	BY	DATE	DATE: 12/21/23 SCALE: 1" = X' PROJECT NO: 2105-27-001 DESIGNED BY: HCS DRAWN BY: HCS CHECKED BY: DEC REVISED BY: XXX
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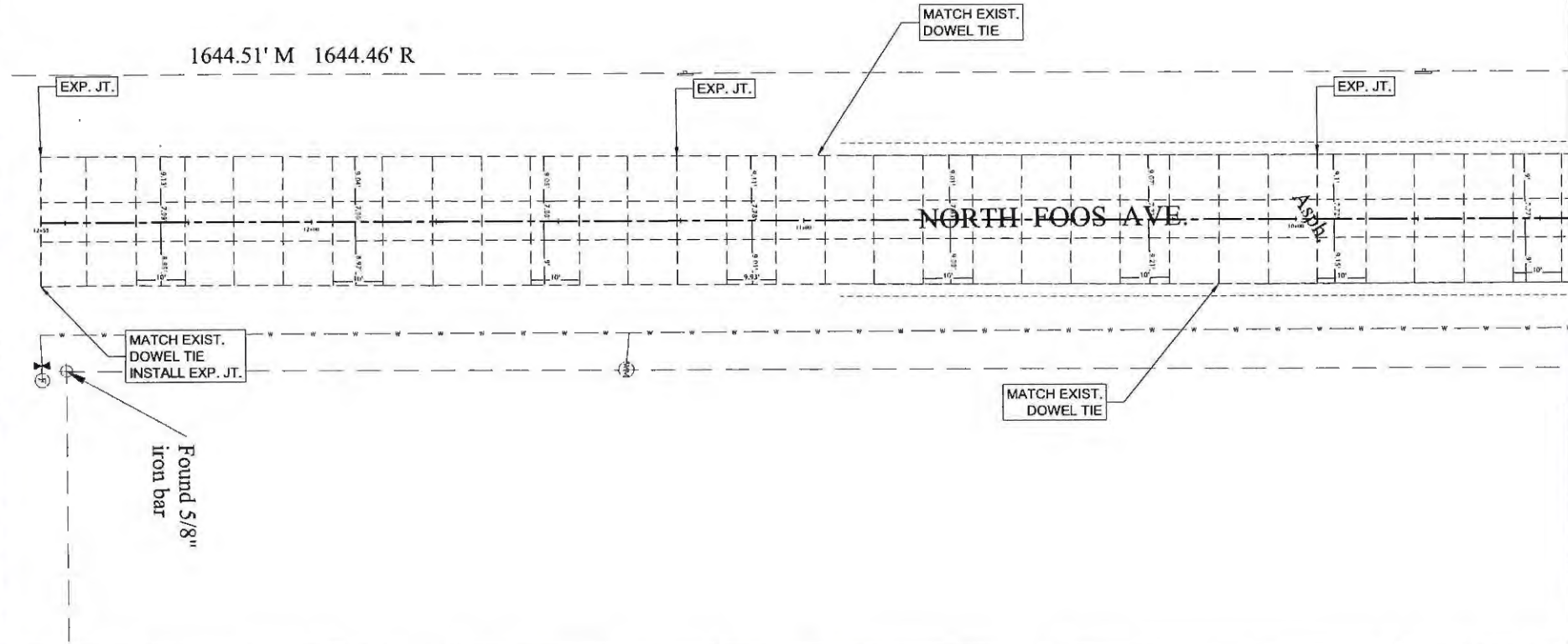
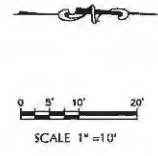



SLOAN
 ENGINEERING AND CONSULTING
1070 MT. PLEASANT RD #145, KS 67401
 KSBP Form No. E-2827
 785.821.1777

CITY OF BAZINE STREET IMPROVEMENTS 2023
 FOOS JOINT DETAIL 2 OF 3
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 17 OF 35

LEGEND	
--- BOUNDARY / RIGHT OF WAY	--- SIGN
--- EASEMENT / SETBACK	--- UTILITY POLE
--- GAS	--- UTILITY / LIGHT POLE
--- OE	--- GUY WIRE
--- UE	--- ELEC. / TELE. RISER
--- W	--- GAS METER
--- FO	--- WASTEWATER MANHOLE
--- WW	--- WATER METER VAULT
--- SD	--- WATER VALVE
--- CTV	--- FIRE HYDRANT
--- CHAIN LINK FENCE	--- STORM DRAIN MANHOLE



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No.	REVISION	BY	DATE

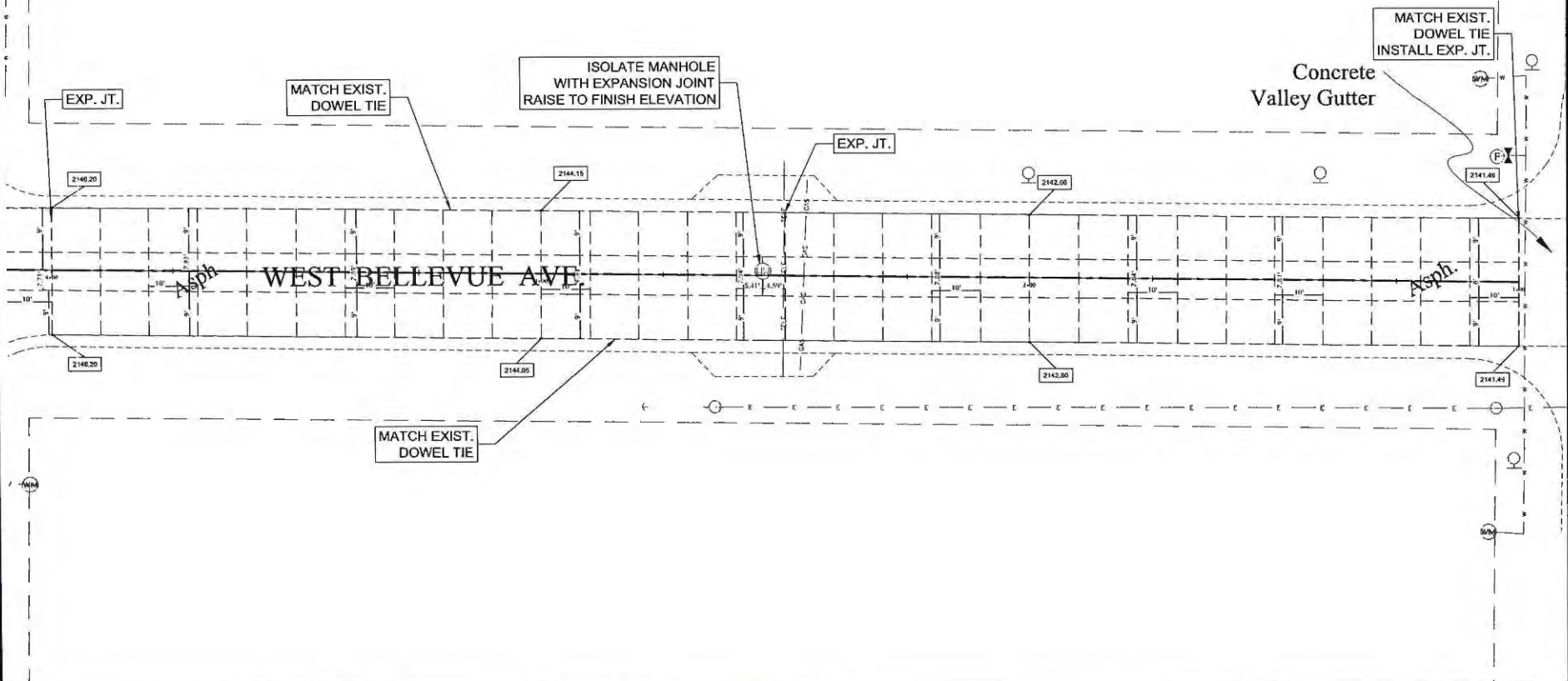
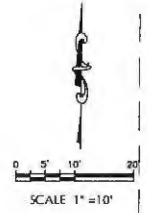
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 SCALE: 1" = 30'
 PROJECT NO: 2105-27-001
 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX



CITY OF BAZINE STREET IMPROVEMENTS 2023
 FOOS JOINT DETAIL 3 OF 3
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 18 OF 35

LEGEND	
--- BOUNDARY / RIGHT OF WAY	--- SIGN
--- EASEMENT / SETBACK	--- UTILITY POLE
--- GAS	--- UTILITY / LIGHT POLE
--- GAS LINE	--- GUY WIRE
--- OVERHEAD ELECTRIC	--- ELEC. / TELE. RISER
--- UNDERGROUND ELECTRIC	--- GAS METER
--- WATER LINE	--- WASTEWATER MANHOLE
--- FIBER OPTIC	--- WATER METER VAULT
--- WASTEWATER LINE	--- WATER VALVE
--- STORM DRAIN LINE	--- FIRE HYDRANT
--- CABLE TV	--- STORM DRAIN MANHOLE
--- CHAIN LINK FENCE	



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No.	REVISION	BY	DATE

DATE: 12/21/23
 SCALE: 1" = 1'
 PROJECT NO: 2105-27-001
 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX



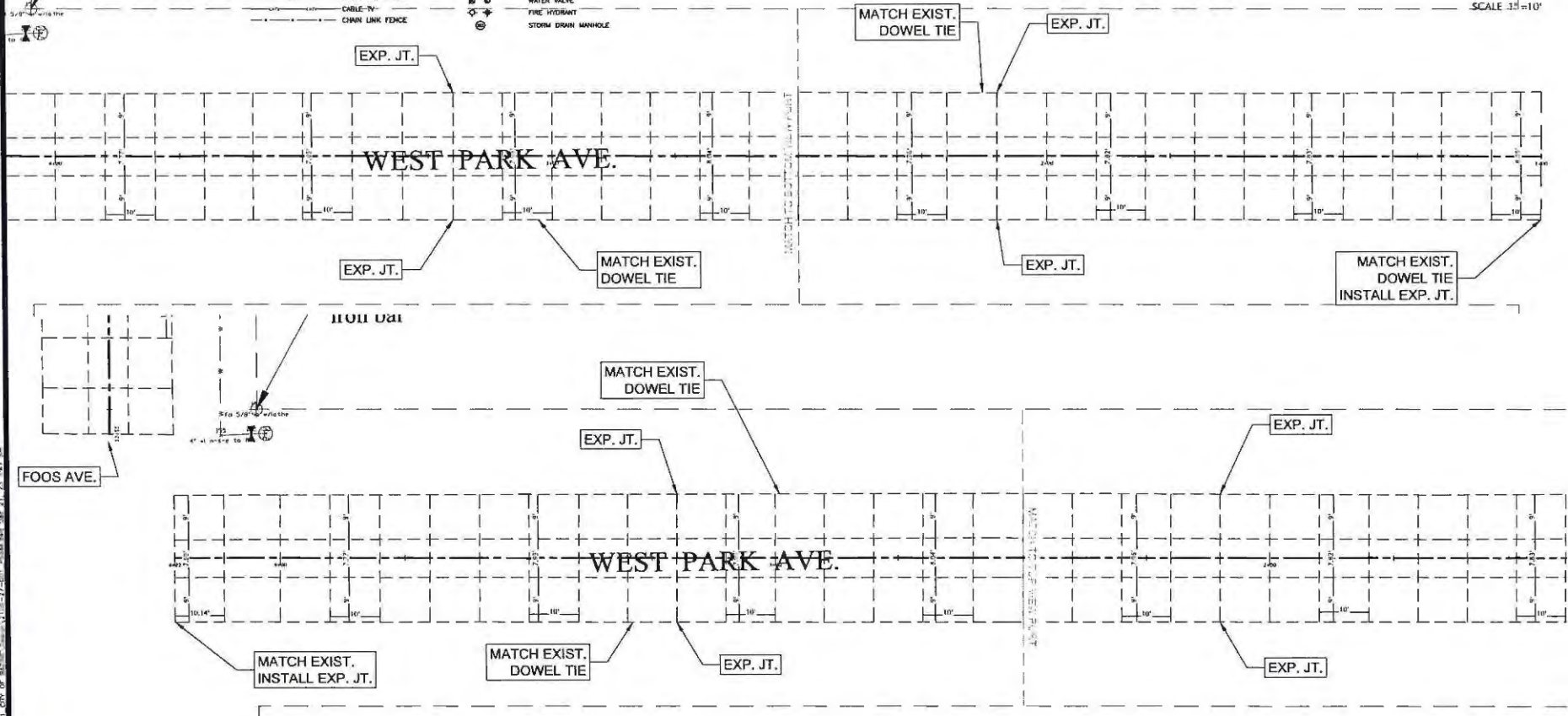
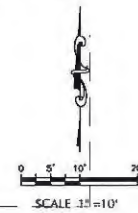
SLOAN
 ENGINEERING AND CONSULTING
 1070 MT. PLEASANT RD HWYS. 45 & 67401
 KS316 Pratt Mo. 63829
 784.521.1777

CITY OF BAZINE STREET IMPROVEMENTS 2023
 BELLEVUE JOINT DETAIL
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 19 OF 35

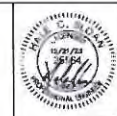
Found 5/8" iron bar

LEGEND			
---	BOUNDARY / RIGHT OF WAY	⊙	SDM
---	EASEMENT / SETBACK	⊙	UTILITY POLE
---	GAS LINE	⊙	UTILITY / LIGHT POLE
---	OVERHEAD ELECTRIC	⊙	GUY WIRE
---	UNDERGROUND ELECTRIC	⊙	ELEC. / TELE. RISER
---	WATER LINE	⊙	GAS METER
---	FIBER OPTIC	⊙	WASTEWATER MANHOLE
---	WASTEWATER LINE	⊙	WATER METER VAULT
---	STORM DRAIN LINE	⊙	WATER VALVE
---	CABLE-TV	⊙	FIRE HYDRANT
---	CHAIN LINK FENCE	⊙	STORM DRAIN MANHOLE



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No.	REVISION	BY	DATE	DATE: 12/21/23 SCALE: 1" = X' PROJECT NO: 2105-27-001 DESIGNED BY: HCS DRAWN BY: HCS CHECKED BY: DEC REVISED BY: XXXX
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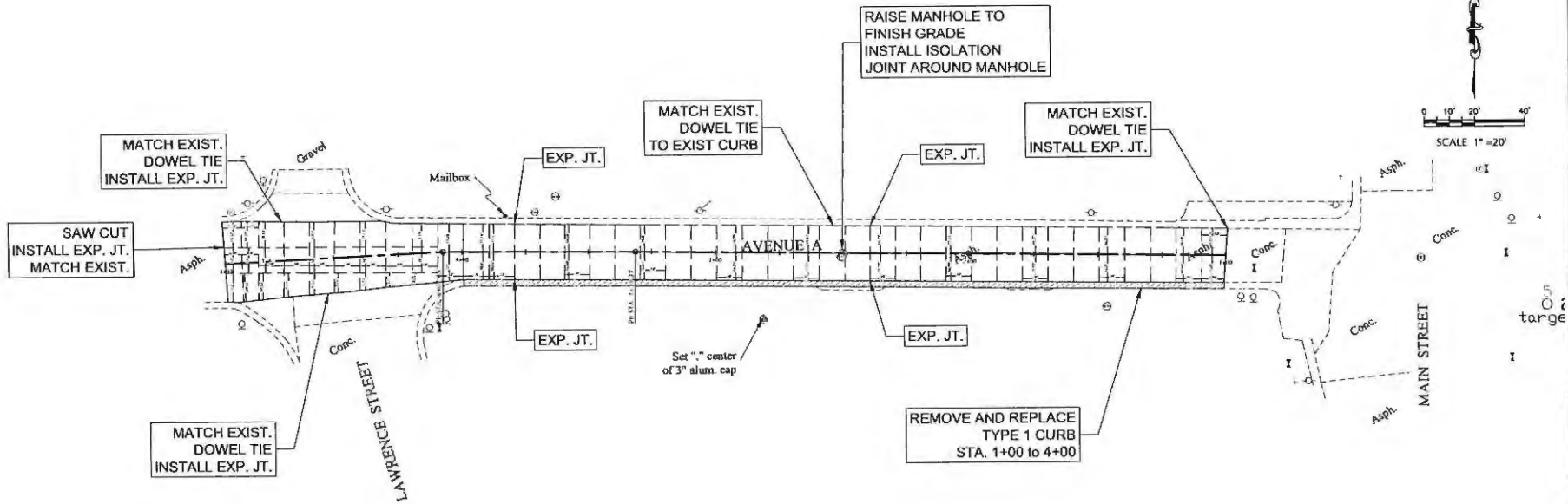



SLOAN
 ENGINEERING AND CONSULTING
 1070 Mt. Pleasant Highway, #3 67601
 925/937-1100
 785.921.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
 PARK AVE JOINT DETAIL
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 20 OF 35

LEGEND	
--- BOUNDARY / RIGHT OF WAY	⊕ SIGN
--- EASEMENT / SETBACK	⊕ UTILITY POLE
--- GAS	⊕ UTILITY / LIGHT POLE
--- GAS LINE	⊕ GUY WIRE
--- OE	⊕ ELEC. / TELE. RISER
--- UNDERGROUND ELECTRIC	⊕ GAS METER
--- UC	⊕ WASTEWATER MANHOLE
--- W	⊕ WATER METER VALET
--- WD	⊕ WATER LINE
--- FIBER OPTIC	⊕ WATER VALVE
--- WW	⊕ FIRE HYDRANT
--- WASTE WATER LINE	⊕ STORM DRAIN MANHOLE
--- SD	
--- STORM DRAIN LINE	
--- CABLE TV	
--- LP GAS LINK FENCE	



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DATE:	12/21/23
SCALE:	1" = X'
PROJECT NO.:	2105-27-001
DESIGNED BY:	HCS
DRAWN BY:	HCS
CHECKED BY:	DEC
REVISION	BY DATE
	REVISOR

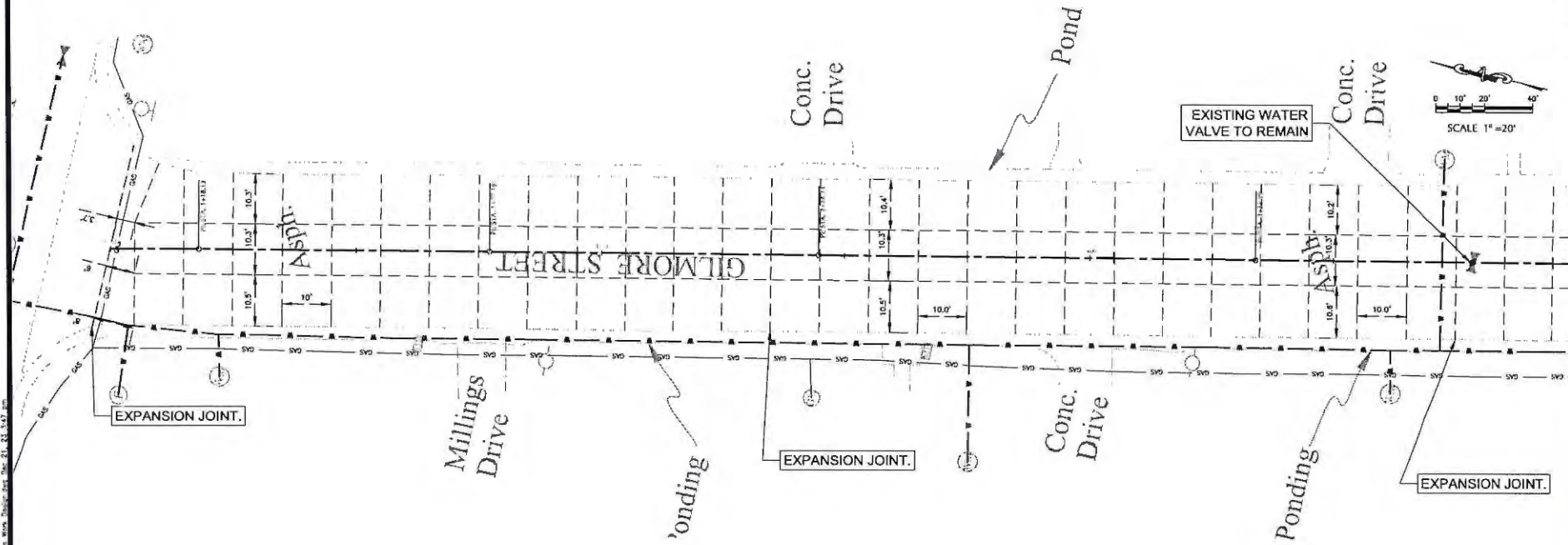


SLOAN
 ENGINEERING AND CONSULTING
 1070 MT. PLEASANT RD. HAYS, KS 67601
 KSBP Perm No. E-2829
 PLS221.177

CITY OF BAZINE STREET IMPROVEMENTS 2023
 AVE A JOINT DETAIL
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 21 OF 35

LEGEND			
---	BOUNDARY / RIGHT OF WAY	⊠	SIGN
- - -	EASEMENT / SETBACK	⊠	UTILITY POLE
---	GAS LINE	⊠	UTILITY POLE
---	OVERHEAD ELECTRIC	⊠	CUY WIRE
---	UNDERGROUND ELECTRIC	⊠	ELEC. / TELE. RISER
---	WATER LINE	⊠	GAS METER
---	FIBER OPTIC	⊠	WASTEWATER MANHOLE
---	WASTEWATER LINE	⊠	WATER METER VAULT
---	STORM DRAIN LINE	⊠	WATER VALVE
---	CABLE TV	⊠	FIRE HYDRANT
---	CHAIN LINK FENCE	⊠	STORM DRAIN MANHOLE



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No.	REVISION	BY	DATE

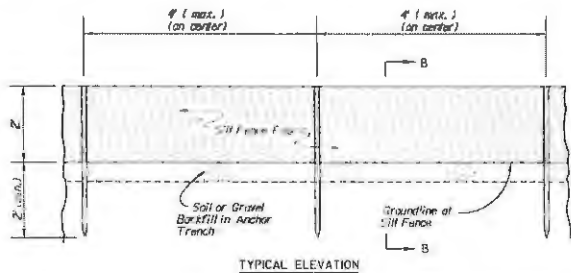
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 PROJECT NO: 2105-27-001
 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX




SLOAN
 ENGINEERING AND CONSULTING
1670 N.W. PLEASANT B'D HAYS, KS 67601
 KSBP Firm No. E-2659
 781.821.1777

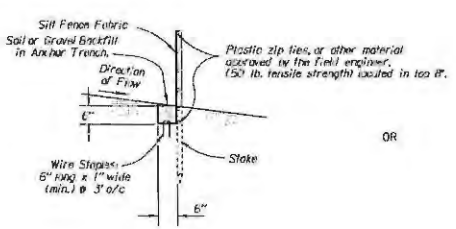
CITY OF BAZINE STREET IMPROVEMENTS 2023
 GILMORE NORTH JOINT DETAIL
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 23 OF 35

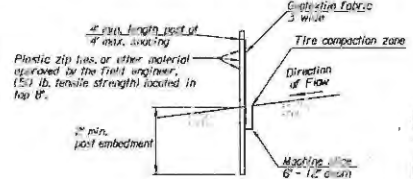


TYPICAL ELEVATION

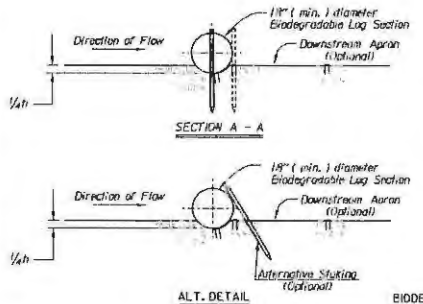
SILT FENCE BARRIER
NO SCALE



SECTION B-B

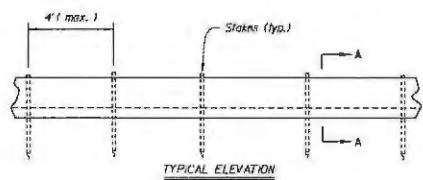


SECTION B-B



SECTION A - A

ALT. DETAIL
OPTIONAL



TYPICAL ELEVATION

BIODEGRADABLE LOG SLOPE INTERRUPTIONS
OR Filter Sock

INSTALLATION NOTES

- SILT FENCE:**
- Stakes shall be 4' (min.) long and of one of the following materials:
 - Hardwood - 1 3/4" x 1 3/4";
 - Southern Pine (No. 2) - 2 3/4" x 2 3/4";
 - Steel U, T, L or C Section - .95 lbs. per 1'-0"; or
 - Synthetic - same strength as wood stakes.
 - Attach Fence Fabric with 3 zip ties within the top 18" of the fence. Alternative attachment methods may be approved by the Engineer on a performance basis.
 - Use of high flow material is acceptable.
 - Refer to plan sheets to estimate the length of silt fence required.

- BIODEGRADABLE LOG OR FILTER SOCK**
- Place biodegradable logs or filter sock tightly together minimum overlap of 18".
 - Wood stakes shall be 1" x 2" (min.).
 - Refer to plan sheets to estimate length of biodegradable log and filter sock required.
 - Each log or sock (except compost filter socks) should be keyed into the ground at a minimum of 25% of its height. Compost filter socks should be placed on smooth prepared ground with no gaps between the sock and soil.
 - Length of stakes should be 2 times the height of the log of a minimum with minimum ground embedment equal to the height of the log / sock.

Biodegradable Log or Filter Sock Slope Interruptions

Slope Class	PROJECT		
	9" Sediment Log or 6" Filter Sock (ft)	12" Sediment Log or 12" Filter Sock (ft)	20" Sediment Log or 18" Filter Sock (ft)
SHIV	40	60	80
3HIV	30	45	60

Slope Class	BIODEGRADABLE LOG MATERIAL	
	LOW FLOW	HIGH FLOW
9"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
12"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
18"-20"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber

Deviations should be approved by the Field Engineer.

GENERAL NOTES

- Slope interruptions shall be placed along contour lines, with a short section turned up-slope of each end of the barrier.
- The maximum length of the slope interruptions shall not exceed 150 feet, and the barrier ends need to be staggered.
- Interruptions damaged by Contractor's negligence, including improper maintenance or lack of maintenance, shall be repaired immediately by Contractor at no additional cost to KDOT.
- Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.

3	CDMSE	Revised Standard	PA	SPS
2	SPS	Revised Standard	PA	SPS
1	ENR	Revised Standard	SPS	SPS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
TEMPORARY EROSION AND POLLUTION CONTROL
SLOPE INTERRUPTIONS
BIODEGRADABLE LOG / SILT FENCE

LARS:0
 1. L. K. SHAW
 2. L. K. SHAW
 3. L. K. SHAW
 4. L. K. SHAW

CAD Conform Certify This File Sheet No. 0

SEE ALSO: ERM, Part 1, Section 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4.0, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 6.0, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 10.0, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 11.0, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 12.0, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8, 12.9, 13.0, 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 14.0, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 15.0, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, 15.8, 15.9, 16.0, 16.1, 16.2, 16.3, 16.4, 16.5, 16.6, 16.7, 16.8, 16.9, 17.0, 17.1, 17.2, 17.3, 17.4, 17.5, 17.6, 17.7, 17.8, 17.9, 18.0, 18.1, 18.2, 18.3, 18.4, 18.5, 18.6, 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NO.	REVISION	BY	DATE	REVISD BY:	DATE

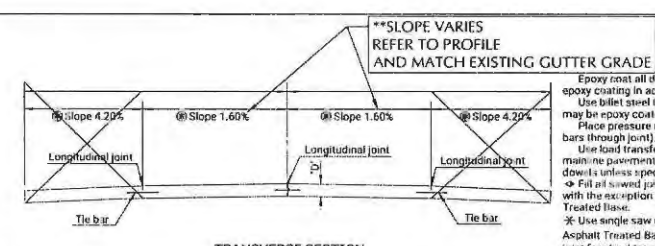
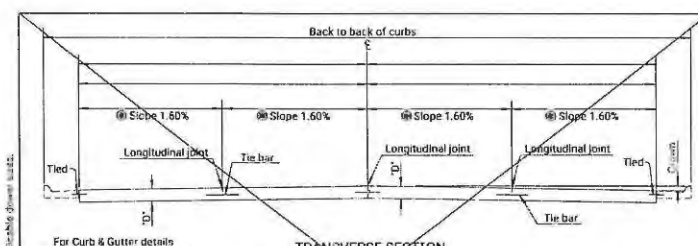
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SCALE: 1" = X'
PROJECT NO: 2105-27-001
DESIGNED BY: HCS
DRAWN BY: HCS
CHECKED BY: DEC
REVISD BY: JGG



SLOAN ENGINEERING AND CONSULTING
1120 W. PLAINS AVE. SUITE 101, LAWRENCE, KS 66044
620.837.8100 FAX 620.837.8101
P&S 021.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
DETAIL 1
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

SHEET NO.
25 OF 35



STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS				

GENERAL NOTE

Epoxy joint all deformed tie bars that are straight. Patch any damage to the epoxy coating in accordance with the Standard Specifications.

Use billet steel grade 401 reinforcing for deformed tie bars that require bending, may be epoxy coated at the Contractor's option.

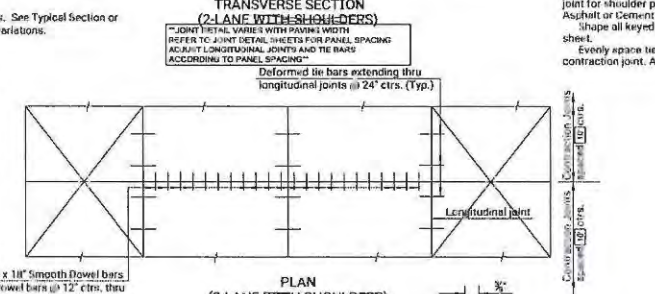
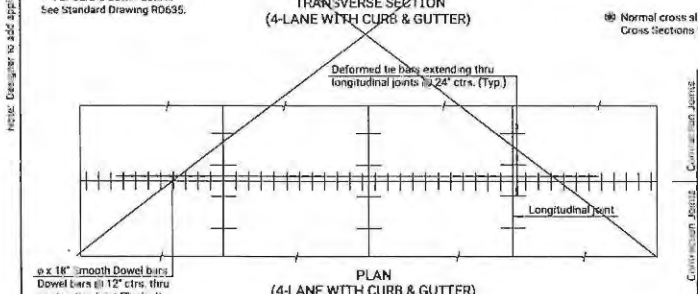
Place pressure relief joint at the end of the bridge approach pavement slab (no bars through joint). For details of pressure relief joint see Standard Drawing RD712.

Use load transfer devices as shown in details at all construction joints on mainline pavement unless otherwise noted. Shoulder construction joints have no dowels unless specifically shown on the plans.

Fill all sawed joints on the project in accordance with the Standard Specifications with the exception of those joints in pavement constructed over Cement or Asphalt Treated Base.

* Use single saw cut, 1/4" wide, joint in pavement constructed over Cement or Asphalt Treated Base (Non-Sawed Joint Sawcut). Use single saw cut, 1/4" wide, joint for shoulder pavement adjacent to mainline pavement constructed over Asphalt or Cement Treated Base (Non-Sawed Joint Sawcut). See detail this sheet. Shape all keyed joints similar to section of recessed form leg as shown on this sheet.

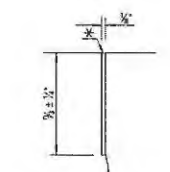
Evenly space tie bars along the length of slab with no tie bar within 12" of contraction joint. All longitudinal joints are tied.



D (in.)	Diameter
5 < D < 9	1"
9 < D < 11	1 1/4"
D ≥ 11	1 1/2"

PAVEMENT DEPTH

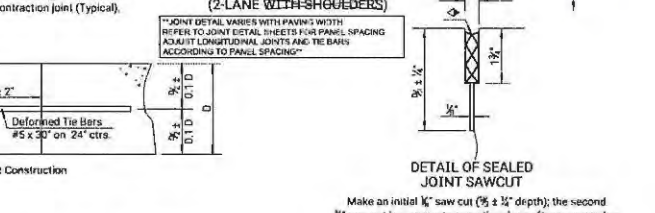
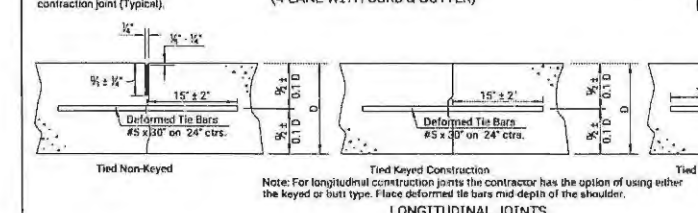
D = _____



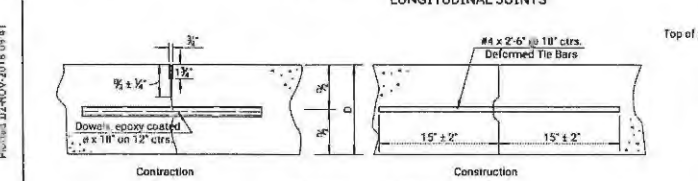
DETAIL OF SEALED JOINT SAWCUT

Make an initial 1/4" saw cut (1/4" depth); the second 3/8" saw cut is a separate operation done after concrete has gained sufficient strength to avoid spalling as determined by the Engineer.

Make only the initial 1/4" saw cut after concrete has gained sufficient strength to avoid spalling as determined by the Engineer.



To be used only against forms, do not extend through construction joints. For automated placement tie bars are spaced at uniform 24" centers. Use snap-in leg or other approved design in lieu of welded leg.



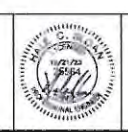
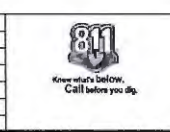
12	11-13	Recessed Form, Longitudinal joints	1-1/2" x 1/2"	2-1/2"
13	11-13	Recessed Form, Transverse joints	1-1/2" x 1/2"	2-1/2"
14	11-13	Recessed Form, Sawed Joints	1-1/2" x 1/2"	2-1/2"
15	11-13	Recessed Form, Sawed Joints	1-1/2" x 1/2"	2-1/2"
16	11-13	Recessed Form, Sawed Joints	1-1/2" x 1/2"	2-1/2"
17	11-13	Recessed Form, Sawed Joints	1-1/2" x 1/2"	2-1/2"

KANSAS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVEMENT
DOWEL JOINTED
NON-REINFORCED

RD708

No.	REVISION	BY	DATE

DATE: 12/21/23
SCALE: 1" = 4'
PROJECT NO: 2105-27-001
DESIGNED BY: HCS
DRAWN BY: HCS
CHECKED BY: DEC
REVISED BY: XXX



CITY OF BAZINE STREET IMPROVEMENTS 2023
DETAIL 3
STREET IMPROVEMENT PLANS
PROJECT NO: 2105-27-001

SHEET NO.
27 OF 35

Drawn By: hcs
 File: rd708.dgn
 Plotted: 12/21/23 10:18 AM 41
 P:\Users\hcs\Documents\2105-27-001_Planes\Det. 03_21_23.mxd

1) Design Speed: Those items delegated to temporary traffic control should be designed and installed using the posted/legal speed of the roadway prior to work starting.

2) Minimum Lane Width: Lane widths shall be a minimum of 11' (measured between centerlines of pavement markings) or as shown on the plans, or as directed by the engineer. A lane width less than 11' may require restricted roadway width signing.

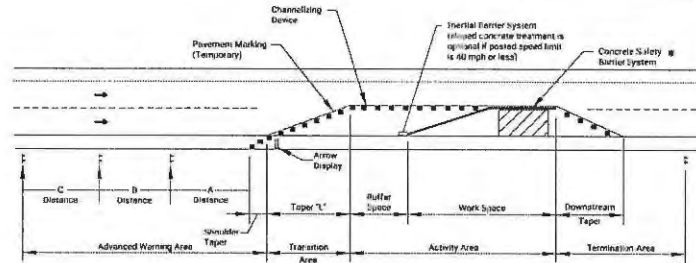
3) Consideration should be made to separate pedestrian and, if needed, bicycle movements from both work site activity and vehicular traffic. Unless a reasonable safe route that does not involve crossing the roadway can be provided, pedestrians should be appropriately directed with advance signing that encourages them to cross to the opposite side of the roadway. In urban and suburban areas with high vehicular traffic volumes, these signs should be placed at intersections (rather than midblock locations) so that pedestrians are not confronted with midblock work sites that will induce them to attempt skirting the work site or making a midblock crossing.

4) When existing pedestrian facilities are disrupted, closed, or relocated, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.

5) When the driving surface open to traffic is milled or is a temporary surface made of loose material, or when directed by the engineer a W8-15 (Grooved Pavement) or W8-7 (Loose Gravel) sign shall be used on mainline approaches. This sign should be placed a "C" distance after the W20-1 (Road Work Ahead) sign. A W8-15p motorcycle plaque shall be used to supplement the W8-15 or W8-7 signs. All signs shall be displayed as long as the condition is present.

6) Alternative temporary rumble strip options may be available. Please contact the Temporary Traffic Control Unit for more information at 785-296-1179 or 785-296-1183.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	0	0	0	0



TYPICAL WORK ZONE COMPONENTS

* When concrete barrier system is used, portable channelizing devices are not needed along the tangent barrier section.

Minimum advance warning sign spacing (in feet):

SPEED (MPH) *	A	B	C
URBAN (40 MPH OR LOWER)	100	100	100
URBAN (45 MPH OR HIGHER)	350	350	350
RURAL (55 MPH OR LOWER)	500	500	500
RURAL (60 MPH OR HIGHER)	750	750	750
EXPRESSWAY/FREEWAY	1000	1500	2640

Taper Formulas:

$L = WS$ for speeds of 45 MPH or more

$L = WS^2/60$ for speeds of 40 MPH or less

Where: L = Minimum length of taper in feet
S = Numerical value of posted speed prior to work starting in MPH
W = Width in offset feet

Shoulder Taper = $1/2 L$

Shoulder Taper = $1/3 L$

Channelizer Placement:

- (1) The spacing between devices in transition area (taper) should not exceed a distance in feet equal to 1/2 the posted speed limit in mph prior to work starting.
- (2) The spacing between devices in the advanced warning area and the activity area should not exceed a distance in feet equal to two times the posted speed limit in mph prior to work starting.
- (3) Channelizing devices shall be placed for optimum visibility, normally at right angles to the traffic flow.
- (4) Place directional indicator barricades in series to direct traffic onto the new path. The arrow sign should not be visible to opposing traffic.
- (5) Alternating diagonal orange and white striping must slope downward in the direction traffic is expected to pass.

Buffer Space

SPEED (MPH) *	20	25	30	35	40	45	50	55	60	65	70	75
LENGTH (ft)	115	155	200	250	305	360	425	495	570	645	730	820

* Posted speed prior to work starting

Neither work activity nor storage of equipment, vehicles, or material should occur in the buffer space. When a protection vehicle is placed in advance of the work space, only the space upstream of the vehicle constitutes the buffer space.

If temporary concrete safety barrier system is used to separate approaching traffic from the work space, the barrier system shall be considered part of the activity area. A full lane width should be available throughout the length of the buffer space. See typical work zone components above.

Planned by: Robert.Barnett@ks.gov 9/10/2022 10:44
File: TE700.dgn

DATE: 12/21/23
SCALE: 1" = 30'
PROJECT NO.: 2105-27-001
DESIGNED BY: HCS
DRAWN BY: HCS
CHECKED BY: DEC
REVISED BY: XGX



SLOAN ENGINEERING AND CONSULTING
1000 N. FLORISSANT RD. HAYLE, KS 67401
KSBP Firm No. E-2629
785.821.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
DETAIL 6
STREET IMPROVEMENT PLANS
PROJECT NO.: 2105-27-001

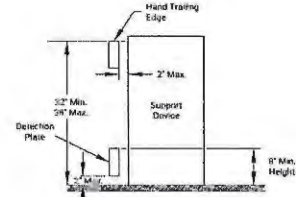
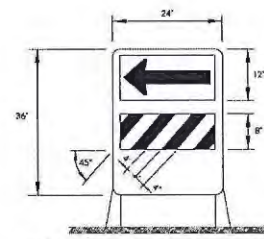
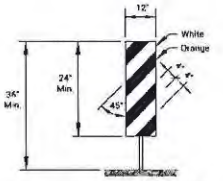
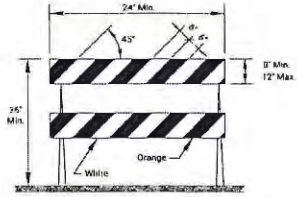
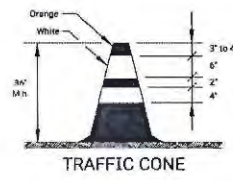
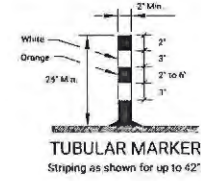
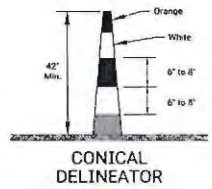
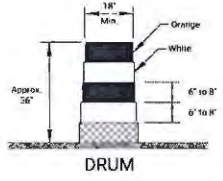
SHEET NO.
30 OF 35

REV.	DATE	DESCRIPTION	BY	APP'D.
1	12/12/23	REVISED PER COMMENTS	HCS	DEC
2	12/15/23	CHANGES TO SIGNING	HCS	DEC
3	12/21/23	FINAL	HCS	DEC

KANSAS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL GENERAL NOTES
TE700
KS DOT Graphics Certified 07/18/2022

No.	REVISION	BY	DATE

STATE:	PROJECT NO.:	YEAR:	SHEET NO.:	TOTAL SHEETS:
KANSAS	0	0	0	0



TYPE 2 BARRICADE
For rails less than 36" long, 4" wide stripes may be used. All stripes shall slope downward to the traffic side for channelization.

VERTICAL PANEL
The stripes shall slope downward to the traffic side for channelization.

DIRECTION INDICATOR BARRICADE
The stripes shall slope downward in the direction traffic is to pass. The direction indicator barricade shall be used in series to direct the motorist into the intended lane of travel.

PEDESTRIAN CHANNELIZER

- Support device shall not project beyond the detection plate into the pathway.
- Hand trailing edges and detection plates are optional for continuous walls.
- Interconnect pedestrian channelizers to prevent displacement and to provide continuous guidance through or around work.
- Alternate pathways shall be firm, stable, and slip resistant.
- Treat height differentials > 1/2" in the surfaces of alternate paths with a firm, stable, and slip resistant temporary ramp having a slope of 1:2 or flatter and having a width equal to the alternate path.
- Use alternating orange/white on interconnected devices.

Item	Location	Location									
		Outskirts	Diversion	Interchange	Intersections	Trucks	Reentry	Head to Head	Oblique	Interchange	Lead-in Devices
Portable	Drums	Yes	Yes	Yes	Yes	Yes	(1)	Yes	Yes	Yes	
	Conical Delineators	Yes	Yes	Yes	Yes	Yes	(1)	Yes	Yes	Yes	
	Vertical Panels	(2)	(2)	(2)	(2)	(2)	(1,2)	Yes	(2)	(2)	
	Direction Indicator Barricade	No	No	No	Yes	No	No	No	No	No	
	Type 2 Barricade	(2)	(2)	(2)	(2)	No	No	Yes	No	No	
Fixed	Tubular Markers	(3)	(3)	(3)	No	(3)	Yes	No	Yes	Yes	
	Vertical Panels	(2)	(3)	(3)	(3)	(3)	(3)	Yes	(2,3)	(2)	

- Not allowed on centerline delineation along freeways or expressways.
- The stripes shall slope downward to the traffic side for channelization.
- May be used upon the approval of the engineer.
- Daytime operations only.

Prepared by: Robert Barron@kls.gov 9/10/2022 16:34
 File: TE702.dgn

NO.	DATE	REVISIONS	BY	APPV
KANSAS DEPARTMENT OF TRANSPORTATION				
TRAFFIC CONTROL CHANNELIZING DEVICES				
TE702				
KDOT Graphics Center 12-11-2022 Sh. No. 11				

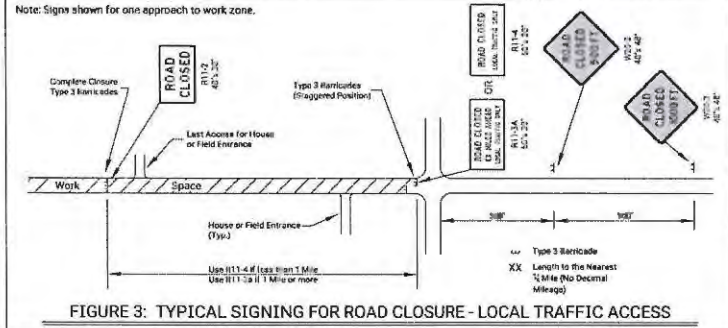
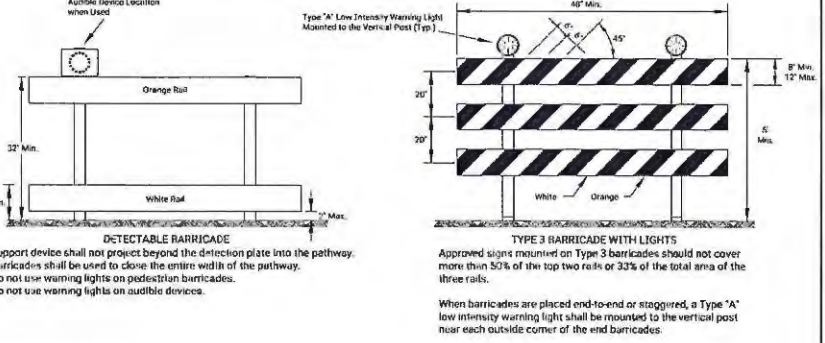
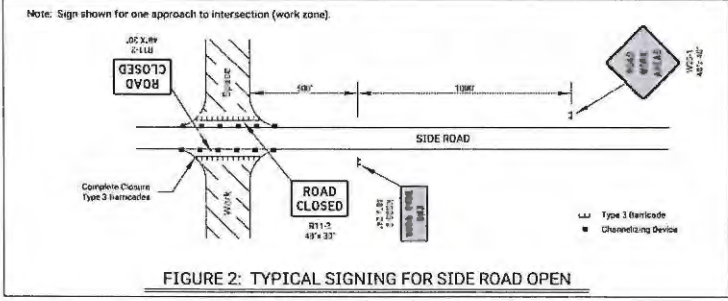
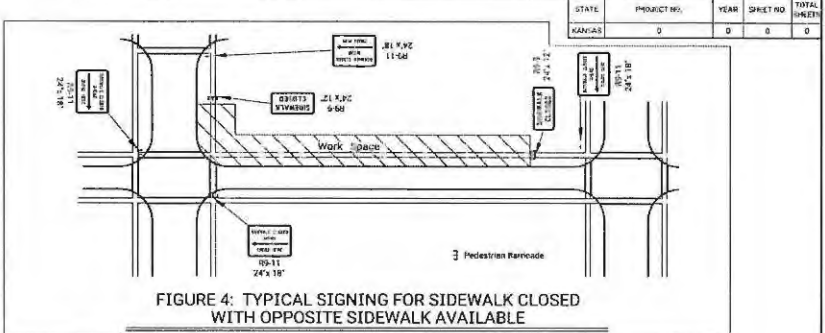
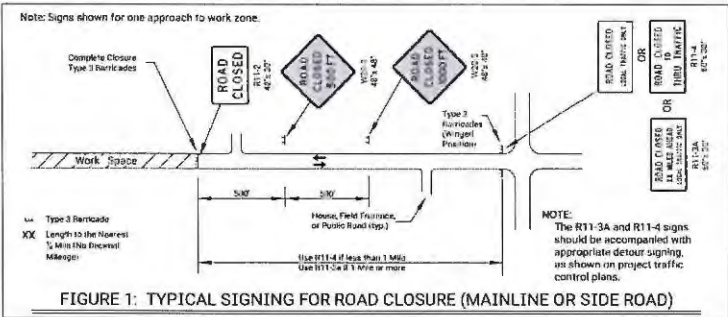
DATE:	12/21/23
SCALE:	1" = X'
PROJECT NO.:	2105-27-001
DESIGNED BY:	HCS
DRAWN BY:	HCS
CHECKED BY:	DEC
REVISD BY:	XXX



SLOAN ENGINEERING AND CONSULTING
 1070 N. PLEASANT RD. HAIR, KS 67601
 785.821.1797

CITY OF BAZINE STREET IMPROVEMENTS 2023
 DETAIL 7
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 31 OF 35



ROAD CLOSED GENERAL NOTES:

As shown in Figure 1, at the point where thru traffic must detour and local traffic can proceed to the location where the roadway is completely closed, the R11-3a (ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY) or R11-4 (ROAD CLOSED LOCAL TRAFFIC ONLY or ROAD CLOSED TO THRU TRAFFIC) sign shall be used with Type 3 barricades (winged position), placed on the shoulders of roadway.

As shown in Figure 3, when local traffic must be allowed access into the work zone, Type 3 barricades shall be longitudinally staggered to maintain the appearance of a closed roadway. A second line of end-to-end Type 3 barricades shall be placed just beyond the last access point in the work zone, to completely close the roadway.

The R11-4 (ROAD CLOSED TO THRU TRAFFIC or ROAD CLOSED LOCAL TRAFFIC ONLY) sign shall be used when the distance to the point of complete closure of the roadway is less than 1 mile.

The R11-3a (ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY) sign shall be used when the distance to the point of complete closure of the roadway is 1 mile or greater.

The words "BRIDGE OUT" (or BRIDGE CLOSED) may be substituted for the words "ROAD CLOSED" on the R11-3a or R11-4 sign where applicable.

12	241	10/21/23	BY	AMM
KANSAS DEPARTMENT OF TRANSPORTATION				
TRAFFIC CONTROL CLOSURES				
TE704				
KDOT Graphics Certified 05/18/2022 Sh. No. 11				

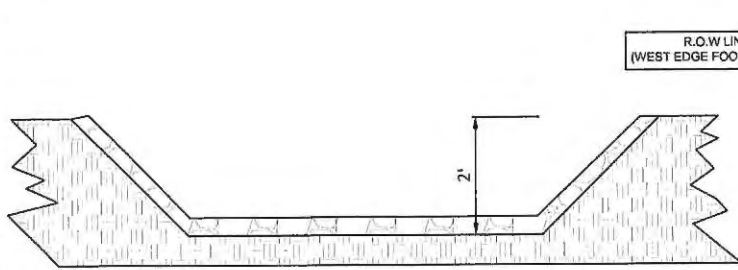
Planned by: Robert.Eaton@ksdot.gov 9-AUP-2023-14-14
 File: TE704 sign

DATE:	12/21/23
SCALE:	1" = X'
PROJECT NO.:	2105-27-001
DESIGNED BY:	HCS
DRAWN BY:	HCS
CHECKED BY:	DEC
REVISD BY:	XXX

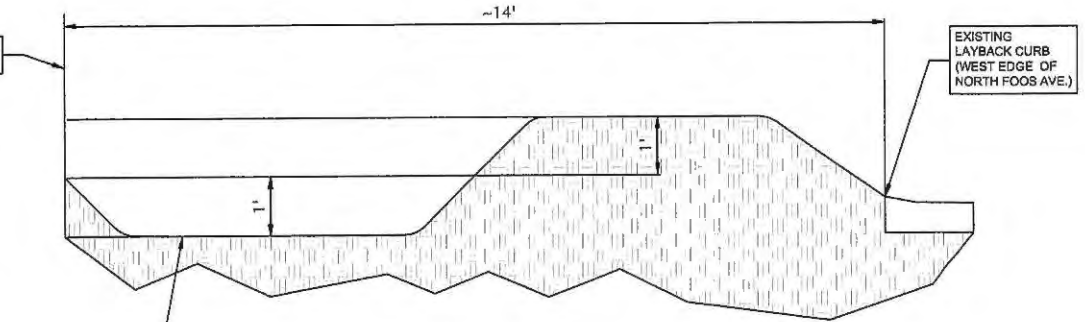


CITY OF BAZINE STREET IMPROVEMENTS 2023
 DETAIL 8
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 32 OF 35



RIPRAP LINED DRAIN
 INSTALL AT EXISTING
 CONCRETE CHANNELS:
 BELLEVUE AND PARK AVE



DRAINAGE SWALE
 WEST R.O.W.
 NORTH FOOS AVE

0 30' 60' 120'
 SCALE 1"=60'



DRAINAGE SWALE

RIPRAP LINED DRAIN FOR SWALE

RIPRAP LINED DRAIN FOR SWALE

DRAINAGE SWALE

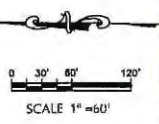
No.	REVISION	BY	DATE	DATE: 12/21/23 SCALE: 1" = X' PROJECT NO: 2105-27-001 DESIGNED BY: HCS DRAWN BY: HCS CHECKED BY: DEC REVISED BY: XXX



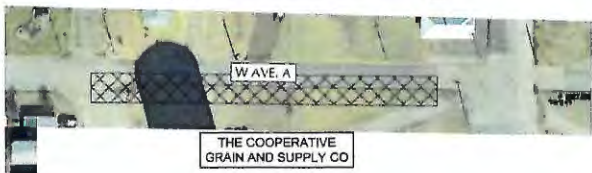
CITY OF BAZINE STREET IMPROVEMENTS 2023
 STORMWATER MITIGATION - FOOS AVE
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 33 OF 35

PROPOSED SPECIAL ASSESSMENT BENEFIT DISTRICT (SABD) - BAZINE, KS



AVE A: LAWRENCE TO MAIN



LEGEND

INCLUDED IN PROPOSED SPECIAL ASSESSMENT BENEFIT DISTRICT: CONCRETE PAVING	INCLUDED IN PROPOSED SPECIAL ASSESSMENT BENEFIT DISTRICT: ASPHALT CHIP SEAL	INCLUDED IN PROPOSED SPECIAL ASSESSMENT BENEFIT DISTRICT: R.O.W DRAINAGE SWALE

GILMORE: NORTH OF RAILROAD TO AVE A



No.	REVISION	BY	DATE

DATE: 12/21/23
 SCALE: 1" = 60'
 PROJECT NO: 2105-27-001
 DESIGNED BY: HCS
 DRAWN BY: HCS
 CHECKED BY: DEC
 REVISED BY: XXX



SLOAN
 ENGINEERING AND CONSULTING
 1070 MT. PLEASANT RD HWY, KS 67601
 620.777.1111

CITY OF BAZINE STREET IMPROVEMENTS 2023
 SABD EXHIBIT MAP
 STREET IMPROVEMENT PLANS
 PROJECT NO: 2105-27-001

SHEET NO.
 34 OF 35

CONCRETE PAVING PORTION OF BAZINE SABB									
Street	Direction	Property Address / Description	Property Owner	Length (FT)	Percentage Share of Street	Resultant Distance (FT)	Percentage of Total Special Assessment Benefit District (SABB) Frontage		
Washington	South Side: Austin to Foes	521 N Austin St & W Lot 6 Foes #1 Replat	H-D Oilfield Service, Inc	318	100%	317.50	9.19%		
Foes	East Side: Washington to Bellevue W Bellevue Ave	402 N Foes Ave	H-D Oilfield Service, Inc.	403	50%	201.25	5.83%		
Foes	West Side: Washington to W Bellevue Ave	10.9 Acres S36, T18, R22	Franklin and Jeanette Foes	403	50%	201.25	5.83%		
Foes	East Side: W Bellevue Ave to South Property of Webber-Gross	304 N Foes Ave	H-D Oilfield Service, Inc	222	50%	111.00	3.21%		
Foes	West Side: W Bellevue Ave to South Property of Webber-Gross	10.9 Acres S36, T18, R22	Franklin and Jeanette Foes	222	50%	111.00	3.21%		
Foes	West Side: South Property of Webber-Gross to W Park Ave	10.9 Acres S36, T18, R22	Franklin and Jeanette Foes	213	50%	106.50	3.08%		
Foes	East Side: City Lot NE of West Park Ave and Foes Intersection	Foes #1 Lot 5, Block 2	City of Bazine	115	50%	57.50	1.68%		
Foes	Additional City of Bazine Share of Residential Foes	308 N Foes; Foes #1 Lot 6, Block 2	City of Bazine	98	50%	49.00	1.42%		
Bellevue	North Side: N Foes Ave to N Austin St	402 N Foes Ave	H-D Oilfield Service, Inc	322	25%	80.50	2.33%		
Bellevue	North Side: N Foes Ave to N Austin St	401 N Austin St	Neis County Fire Dist. 2	322	25%	80.50	2.33%		
Bellevue	South Side: N Foes Ave to N Austin St	304 N Foes Ave	H-D Oilfield Service, Inc.	322	25%	80.50	2.33%		
Bellevue	South Side: N Foes Ave to N Austin St	315 N Austin St	Bazine Golden Years	322	25%	80.50	2.33%		
Park	North Side: N Foes Ave to N Austin St	Foes #1 Block 2; Lot 3 & 4 & 5	City of Bazine	322	100%	322.00	9.32%		
Ave A	South Side: N Lawrence St to N Main St	107 N Main St	The Cooperative Grain & Supply	353	50%	176.61	5.11%		
Ave A	Additional City of Bazine Share of Residential Ave A	118 W Ave A; O Ave A	City of Bazine	353	50%	176.61	5.11%		
Ave A West	North Side of Ave A West; N Foes Ave to N Austin St	0000 Austin St	City of Bazine	290	75%	217.50	6.30%		
Ave A West	North Side of Ave A West; N Foes Ave to N Austin St	0000 Austin St	Denise Corsair Living Trust	290	25%	72.50	2.10%		
N Gilmore	North Gilmore: North of RR ROW to W Ave A	2.77 Acres Nave Sub TR 4-B S31, T18, R21	The Cooperative Grain & Supply	778	50%	191.00	4.02%		
N Gilmore	North Gilmore: North of RR ROW to W Ave A	3.83 Acres Forbes 2nd S31, T18, R21	The Cooperative Grain & Supply	278	50%	139.00	4.02%		
N Gilmore	North Gilmore: North of RR ROW to W Ave A	Residential Lots North of Coop Property	City of Bazine	324	100%	324.00	9.38%		
COOP ADD'	The Cooperative Grain & Supply Additional SQYD	Various Locations - See Spreadsheet	The Cooperative Grain & Supply	410	50%	205.00	5.93%		
COOP ADD'	The Cooperative Grain & Supply Additional SQYD	Various Locations - See Spreadsheet	City of Bazine	410	50%	205.00	5.93%		

Total Frontage Distance 3454.21 100%

COOP ADD'				
Street Name and Description	Concrete Thickness	Length	Width	SQYDS
Main N of Avenue A - 1	8"	50	28	156
Main N of Avenue A - 2	8"	60	45	300
Main Coop scale crossing - 1	8"	100	45	500
Main Coop scale crossing - 2	8"	20	45	100
Waumbaugh RR Crushed concrete-Coop	12"	55	30	183
Main Coop South Turning lane	8"	60	30	200

NOTE: COOP SHARE OF CONCRETE PAVING SABB REMOVED FROM RESIDENTIAL LOTS NORTH OF COOP PROPERTY ON GILMORE, HAS BEEN REMOVED AND COST IS NOW ASSUMED BY CITY OF BAZINE. COOP SHARE CONCRETE PAVING SABB REDUCED FROM \$244,481.08 TO \$278,259.01. CITY OF BAZINE SHARE CONCRETE PAVING SABB INCREASED FROM \$498,775.46 TO \$568,698.53

PROPERTY OWNER	CONCRETE PAVING SPECIAL ASSESSMENT BENEFIT DISTRICT TOTAL \$/sq. Yr. Property	Associated Cost Share Based on Engineer's Cost Estimate
City of Bazine	217.50	1,448,275.81
H-D Oilfield Service, Inc	228.00	331,448.25
The Cooperative Grain & Supply	191.00	276,158.11
Franklin and Jeanette Foes	121.15	175,412.95
Neis County Fire Dist. 2	2.33%	33,751.50
Denise Corsair Living Trust	2.33%	33,751.50
Bazine Golden Years	2.33%	33,751.50
Check	100%	1,448,275.81

NOTE: ADDITIONAL SPECIAL ASSESSMENT BENEFIT DISTRICT AREA, THE COOPERATIVE GRAIN & SUPPLY, AS DESCRIBED BY SCOTT CORSAIR, CITY OF BAZINE COUNCIL MEMBER.

ASPHALT CHIP SEAL REPAIR PORTION OF BAZINE SABB									
Street	Direction	Property Address / Description	Property Owner	Length (FT)	Percentage Share of Street	Resultant Distance (FT)	Percentage of Total Special Assessment Benefit District (SABB) Frontage		
Foes	WEST SIDE: WEST PARK AVE TO WEST AVE A	10.9 Acres S36, T18, R22	Franklin and Jeanette Foes	691	42.5%	296.25	42.75%		
Foes	EAST SIDE: WEST PARK AVE TO WEST AVE A	CITY OF BAZINE RESIDENTIAL	CITY OF BAZINE	391	42.5%	296.25	42.75%		
Foes	EAST SIDE: WEST PARK AVE TO WEST AVE A	FOES #1 Lot 7 Block 3	JEFF WORTH	195	14.5%	100.49	14.50%		

ASPHALT REPAIR SPECIAL ASSESSMENT BENEFIT DISTRICT TOTAL \$/sq. Yr. Property			Associated Cost Share Based on Engineer's Cost Estimate
City of Bazine	42.75%	5	4,141.79
Franklin and Jeanette Foes	42.75%	5	1,448.25
Jeff Worth	14.50%	5	1,444.82
Check	100%	5	9,684.83

NOTE: ENGINEER'S COST ESTIMATE AND ASSOCIATED PROPERTY OWNER SHARE OF TOTAL PROJECT COST IS SUBJECT TO CHANGE AT ANY TIME AND IS SPECIFICALLY NOT GUARANTEED TO BE THE FINAL COST ASSESSED.

STORMWATER MITIGATION PORTION OF BAZINE SABB									
Street	Direction	Property Address / Description	Property Owner	Length (FT)	Percentage Share of Street	Resultant Distance (FT)	Percentage of Total Special Assessment Benefit District (SABB) Frontage		
Foes	WEST SIDE: WEST PARK AVE TO WEST AVE A	10.9 Acres S36, T18, R22	Franklin and Jeanette Foes	1644.5	100.00%	1644.5	100.00%		

STORMWATER MITIGATION SPECIAL ASSESSMENT BENEFIT DISTRICT TOTAL \$/sq. Yr. Property			Associated Cost Share Based on Engineer's Cost Estimate
Franklin and Jeanette Foes	100.00%	5	19,000.00
Check	100%	5	19,000.00

Revision to City and COOP Share of SABB Concrete Paving	02/04	DATE: 3/04/24
		SCALE: 1" = 60'
		PROJECT NO: 2105-27-001
		DESIGNED BY: HF
		DRAWN BY: JE
		CHECKED BY: JE
NO REVISION	BY DATE	REVISED BY: JJK



CITY OF BAZINE STREET IMPROVEMENTS 2023
SABB EXHIBIT CALCS
STREET IMPROVEMENTS PLANS
PROJECT NO: 2105-27-001

SHEET NO.
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