

ADDENDUM NO. 1

TO:

ALL PLAN HOLDERS

RE:

Bob Watson Sidewalk – City of El Dorado, Arkansas

ADDENDUM DATE:

April 6, 2022

The Plans, Specifications and Contract Documents for the above referenced project are hereby modified as follows:

- 1. Notice to Bidders: Remove and Replace Notice to Bidders with the attached. Contact information has been updated.
- 2. Plans: Remove and Replace Plans with attached.
- 3. Bid Proposal: Remove and Replace Bid Proposal with attached.

ADDENDUM NO.1 ISSUED BY:

A.L. FRANKS ENGINEERING

Kiron Browning, P.E.

Project Manager

ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 16656

NOTICE TO BIDDERS OF THE INTENTION OF THE CITY OF EL DORADO, ARKANSAS TO LET CONTRACT FOR CONSTRUCTION OF BOB WATSON DRIVE SIDEWALK IMPROVEMENTS.

SEALED PROPOSALS addressed to Public Works Director, Robert Edmonds, City of El Dorado, Arkansas, 512 North Washington, El Dorado, Arkansas 71730, will be received until **2:00 P.M., on** Tuesday, April **26, 2022** for furnishing all labor, equipment, materials, supplies, and supervision necessary for the construction of proposed sidewalks as described in the plans and specifications. Bids will be opened and read aloud at such time at Public Works Department, 512 North Washington, El Dorado, Arkansas.

PLANS AND SPECIFICATIONS may be examined without charge at the office of A.L. Franks Engineering, 118 East Broad Street, Texarkana, Arkansas 71854, or at Public Works Department, El Dorado, Arkansas. One copy of each set of documents may be purchased from A.L. Franks Engineering at www.alfranskengineering.com for \$100.00 . No refunds will be made.

A CERTIFIED OR CASHIER'S CHECK, or an acceptable bid bond in an amount not less than five percent (5%) of the total bid shall accompany each bid as a guaranty that, if awarded the contract, the bidder will promptly enter into contract with the City of El Dorado, Arkansas and furnish bonds on the forms provided.

THE SUCCESSFUL BIDDER OR BIDDERS will be required to furnish a Performance and Payment Bond, each in the amount of the contract, written by a responsible surety company authorized to do business in the State of Arkansas that is satisfactory to the Owner.

BIDDERS ARE expected to inspect the site of the work and to inform themselves of all local conditions. The time of completion shall be **120 calendar days** including Saturdays, Sundays and legal holidays.

An Arkansas Contractor's License is not required to bid the job, however at the time the contract is signed, the Contractor must be licensed. Evidence of licensure shall be provided to the Owner prior to award of the project to the lowest, responsible responsive bidder.

THE SUCCESSFUL BIDDER will be required to furnish evidence of registration with the State Department of Finance and Administration in compliance with Act 125 of 1965 prior to engaging in the performance of this Contract.

NO BID may be withdrawn after the scheduled closing time for receipt of bids for at least 90 calendar days.

IN CASE of ambiguity or lack of clearness stating the price in the bids, the City of El Dorado, Arkansas reserves the right to consider the most advantageous construction thereof, or to reject the bid.

THE CITY OF EL DORADO, ARKANSAS reserves the right to reject any or all bids, waive any or all informalities, and to award the contract to the bidder or bidders who, in the opinion of the Owner, offers the proposal to the best interest of same. Award of the contract may be denied if the Statement of Qualifications is not appropriately completed.

CONTRACTORS are cautioned that qualified bids will be subject to rejection.

CONTRACTORS are specifically advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract must be acceptable to the Owner.

Bidders are advised that "Buy America" provisions apply to this contract. The Arkansas Department of Transportation's Standard Specifications for Highway Construction, latest edition, Section 106 has requirements and restrictions for Buy America. Also, 23 CFR 635.410 has all federal requirements for Buy America.

The City of El Dorado, Arkansas hereby notifies all bidders that this contract is subject to applicable labor laws, non-discrimination provisions, wage rate laws and other federal laws including the Fair Labor Standards Acts of 1938. The Work Hours Act of 1962 and Title VI of the Civil Rights Act of 1964 also apply.

City of El Dorado, Arkansas

Robert Edmonds, Public Works Director

BOB WATSON DR. SIDEWALK (EL DORADO) (TAP-15)(S) ARDOT JOB # 070575

VICINITY MAP



ARK. HWY. DIST. NO. 7



CITY OF EL DORADO, ARKANSAS 512 NORTH WASHINGTON EL DORADO, ARKANSAS 71730 PH: 870-863-4244



BEFORE CONSTRUCTION BEGINS
GIVE 48 HOURS NOTICE
FOR UNDERGROUND UTILITY LOCATIONS
CALL, THE ARKANSAS ONE-CALL SYSTEM L-SOLARS-25008

SUBMITTED BY:

A.L.FRANKS

101 West Main, Suite 413 El Dorado, Arkansas 71730 Phone (870) 444-5160 Fax (870) 444-5161

118 E. Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907





KIRON S. BROWNING, P.E. PROJECT ENGINEER DATE

CODY J. STRINGER,E, J. PROJECT MANAGER DATE

CITY OF EL DORADO

ROBERT EDMONDS, PUBLIC WORKS DIRECTOR

GENERAL NOTES

- 1. GRADE LINE DENOTES FINISHED GRADE OF SIDEWALKS WHERE SHOWN ON PLANS.
- 2. ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- 3. ANY EQUIPMENT OR APPURTENACNE THAT INTERFERS WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U.S.MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECIEVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- 5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE THE STANDARD SPECIFICATIONS.
- 6. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING CONSTRUCTION OPERATION.
- 7. ALL PARTS OF THIS DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE AASHTO, ARKANSAS DEPARTMENT OF TRANSPORTATION STANDARDS AND DETAILS, ADA STANDARDS FOR ACCESSIBLE DESIGN AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT
- 8. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES OR SERVICE LINES CROSSED OR EXPOSED BY CONSTRUCTION OPERATIONS. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONTRUCTION, OR BETTER, AT THE CONTRACTOR'S EXPENSE.
- 10. THE CONTRACTOR SHALL PROVIDE FOR THE DIVERSION OF PEDESTRAINS AND VEHICLES DURING THE PROGRESS OF WORK IN A MANNER SATISFACTORY TO THE CONSTRUCTION ENGINEER. NO
- 11. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO PROJECT FREE OF MUD AND DEBRIS.
- 12. ALL MODIFICATIONS TO THE CONSTRUCTION PLANS SHALL MEET THE LATEST VERSION OF ADA STANDARDS FOR ACCESSIBLE DESIGN AND BE APPROVED BY THE ENGINEER.
- 13. ALL CONCRETE AND ASPHALT SCHEDULED FOR REMOVAL SHALL BE SAWCUT FULL DEPTH PRIOR TO REMOVAL. ALL DAMAGE BEYOND THE SAWCUT LINE FOR THE ITEM TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
- 14. CONTRACTOR TO BACKFILL BEHIND PROPOSED SIDEWALK AND SLOPE TO EXISTING RIGHT-OF-WAY OR AS OTHERWISE NOTED.

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR CONSTRUCTION, EDITION OF 20 THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	_ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL—AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT-EQUAL EMPLOYMENT OPPORTUNITY-NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT-SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES
	(23 U.S.C. 140)
FHWA-1273	SUPPLEMENT-EQUÁL EMPLOYMENT OPPORTUNITY-GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT-EQUAL EMPLOYMENT OPPORTUNITY-FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT-POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT-WATE RATE DETERMINATION
105-1	CONSTRUCTION CONTROL MARKINGS
105-2	EQUIPMENT AND MATERIAL STORAGE ON BRIDGE STRUCTURES
107-1	WORKER VISIBILITY
108-1	LIQUIDATED DAMAGES
600-1	WATER FOR VEGETATION
604-1	RETROFEFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCITON .

SUMMARY OF QUANTIITES

ITEM	QUANTITY	UNIT
REMOVAL AND DISPOSAI	1.0	LS
MOBILIZATION	1.0	LS
MAINTENANCE OF TRAFFIC	1.0	LS
4" CONCRETE FLATWORK	2,370	SY
8" CONCRETE FLATWORK	120	SY
6" CONCRETE CURB	2300	LF
LAYDOWN CURB	80	LF
RIP RAP DRAINAGE	1.0	LS
CONCRETE RETAINING WALL	500	LF
TYPE 1 WHEELCHAIR RAMP	1	EA
TYPE 3 WHEELCHAIR RAMP	3	EA
TYPE 4 WHEELCHAIR RAMP	1	EA
SIDEWALK DRAIN	5	EA
HEADWALL	2	EA
HANDRAIL	50	LF
SIGNS	64	SF
RE-SET STREET SIGNS	5	EA
CROSSWALK SIGNS	4	EA
CROSSWALK STRIPING	2	EA
GRADE AND SEED	4460	SF
GRADE AND FILL SIDEWALK AREA	1	LS
ANTIQUE LIGHTING	39	EA

INDEX	10	SHFFI	S

DESCRIPTION

	-
OVER	
ENERAL NOTES	2
IDEWALK PLAN STA. 0+00 - 7+00	3
IDEWALK PLAN STA. 7+00 - 14+00	4
IDEWALK PLAN STA. 14+00 - 20+00	/)5. /
IDEWALK DEMO_STA_ 20+00 - 22+70	6
IDEWALK PLAN STA. 20+00 22+70	7
IDEWALK DETAILS	8
IISCELLANEOUS DETAILS	9
RAINAGE HEADWALL STA. 9+25	10_
OX CULVERT DRAIN STA. 22+35	11_
ING WALL DETAILS	12_
ND TREATMENT DETAILS	<u>13</u>
ND TREATMENT DETAILS	14
IGHTING PLAN STA. 0+00 - 1+00	E1_
GHTING PLAN STA. 7+00 - 14+00	<u> </u>
IGHTNG PLAM STA. 4+00 - 20+00	E3
IGHTING PLAN STA. 20+00 - 22+70	E4
LECTRICAL DETAILS.	E5
ROSION CONTROL PEVICES	TEC-1
HEELCHAIR RANPS	<u> WR-1</u>
OF SPECIAL ITEMS	<u>SI-1</u>
AVENEUT MARKING DETAILS	PM-1
TANDAR TRAFFIC CONTROLS	<u>TC-1</u>

Date	Revision	Ву	Designed CJS Checked KSB Drawn CJS Approved KSB	A.L.FR ENGIN
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118 East Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907

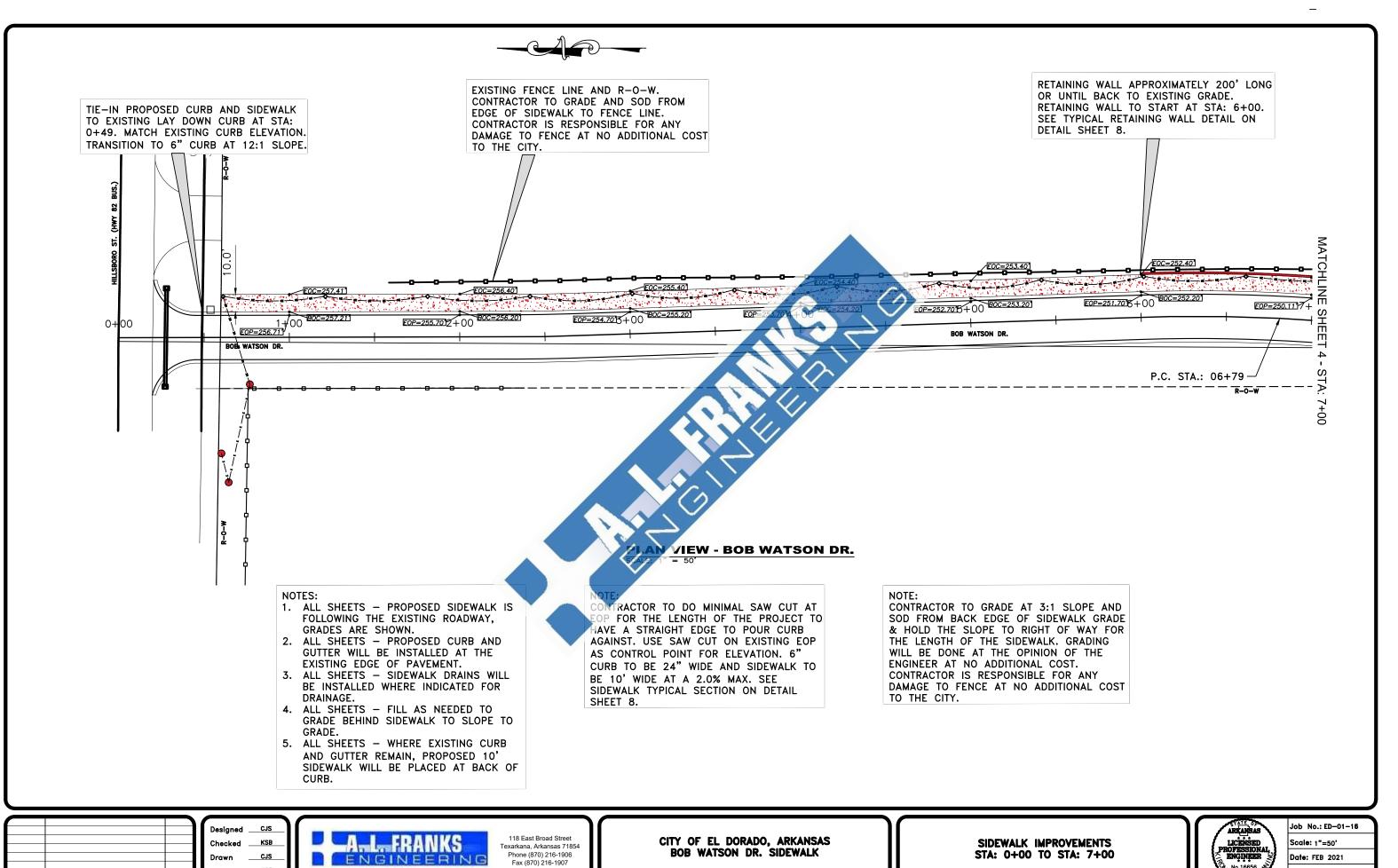
ZONES

CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

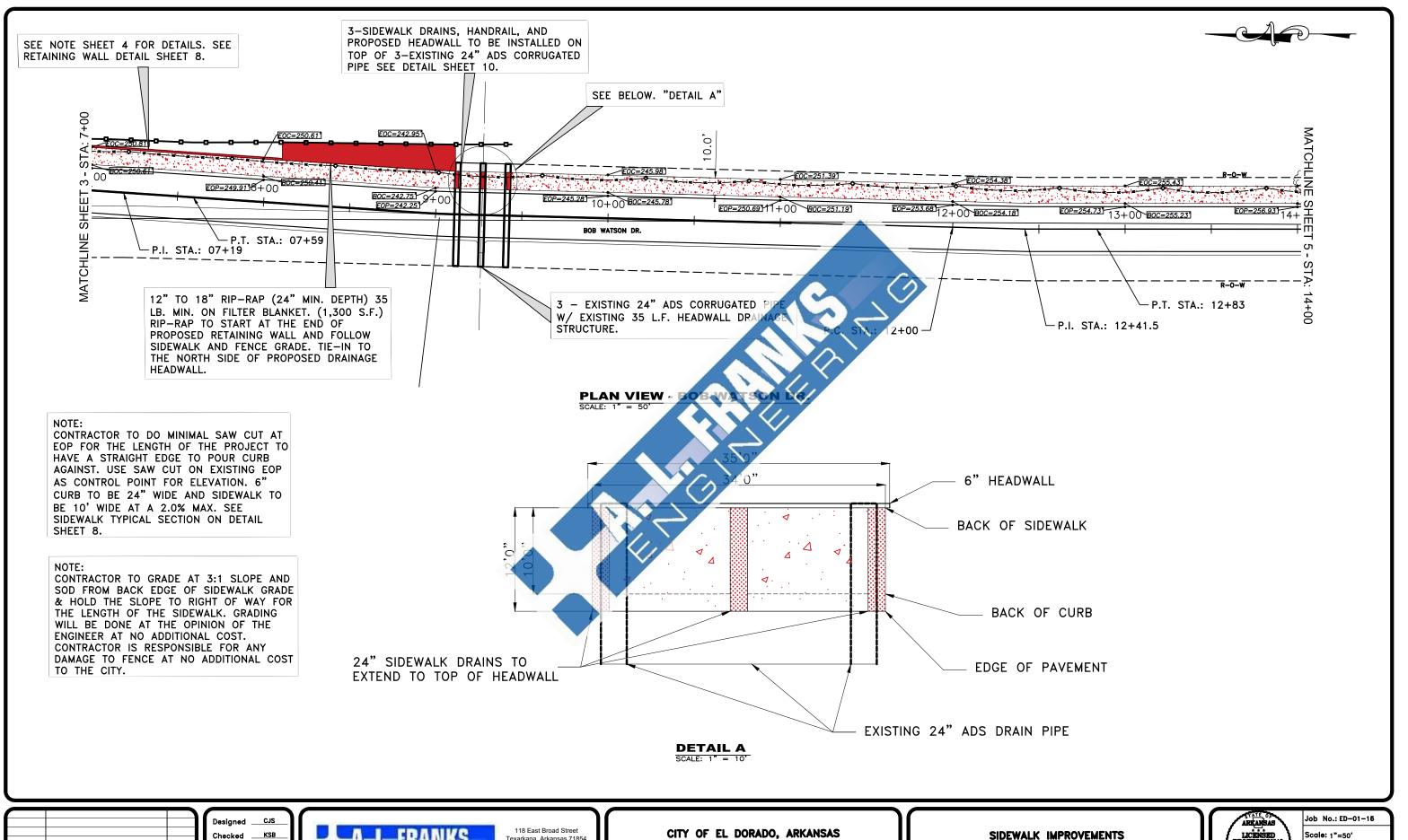
GENERAL NOTES



Job No.: ED-01-16 Scale: AS SHOWN Date: FEB 2021 Sheet 2 OF 14



Revision



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Revision

CJS

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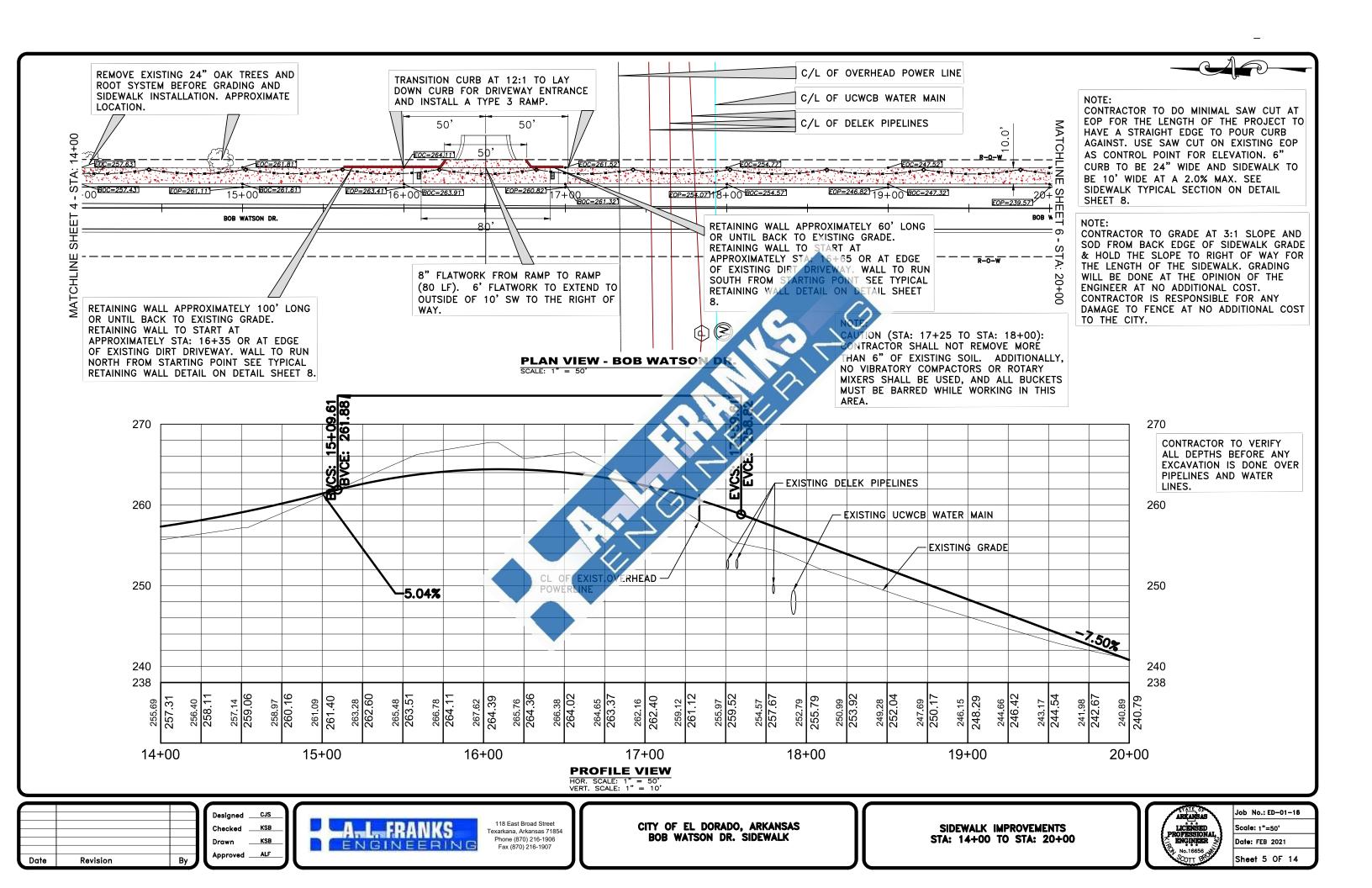
BOB WATSON DR. SIDEWALK

STA: 7+00 TO STA: 14+00

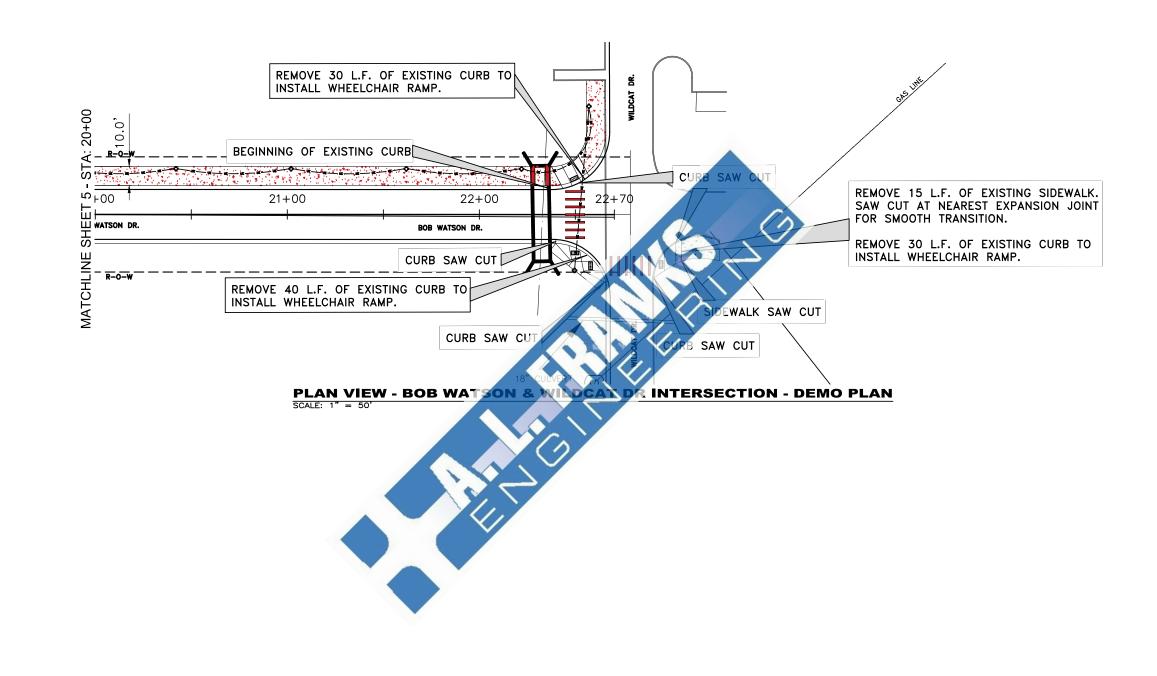


Scale: 1"=50' Date: FEB 2021

Sheet 4 OF 14







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Date	Revision	Ву

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 CJS

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 KSB

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 CJS

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 KSB



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SIDEWALK IMPROVEMENTS
DEMO PLAN
STA: 20+00 TO STA: 22+70

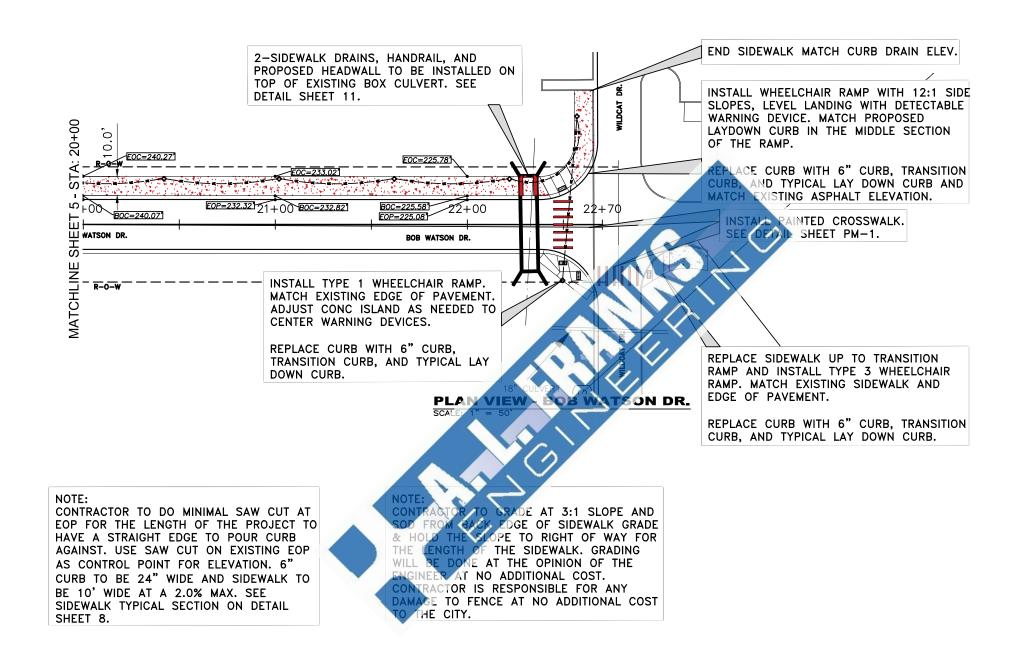


Job No.: ED-01-15 Scale: 1"=50'

Date: FEB 2021

Sheet 6 OF 14





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Checked KSB

Drawn CJS

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CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK SIDEWALK IMPROVEMENTS STA: 20+00 TO STA: 22+70

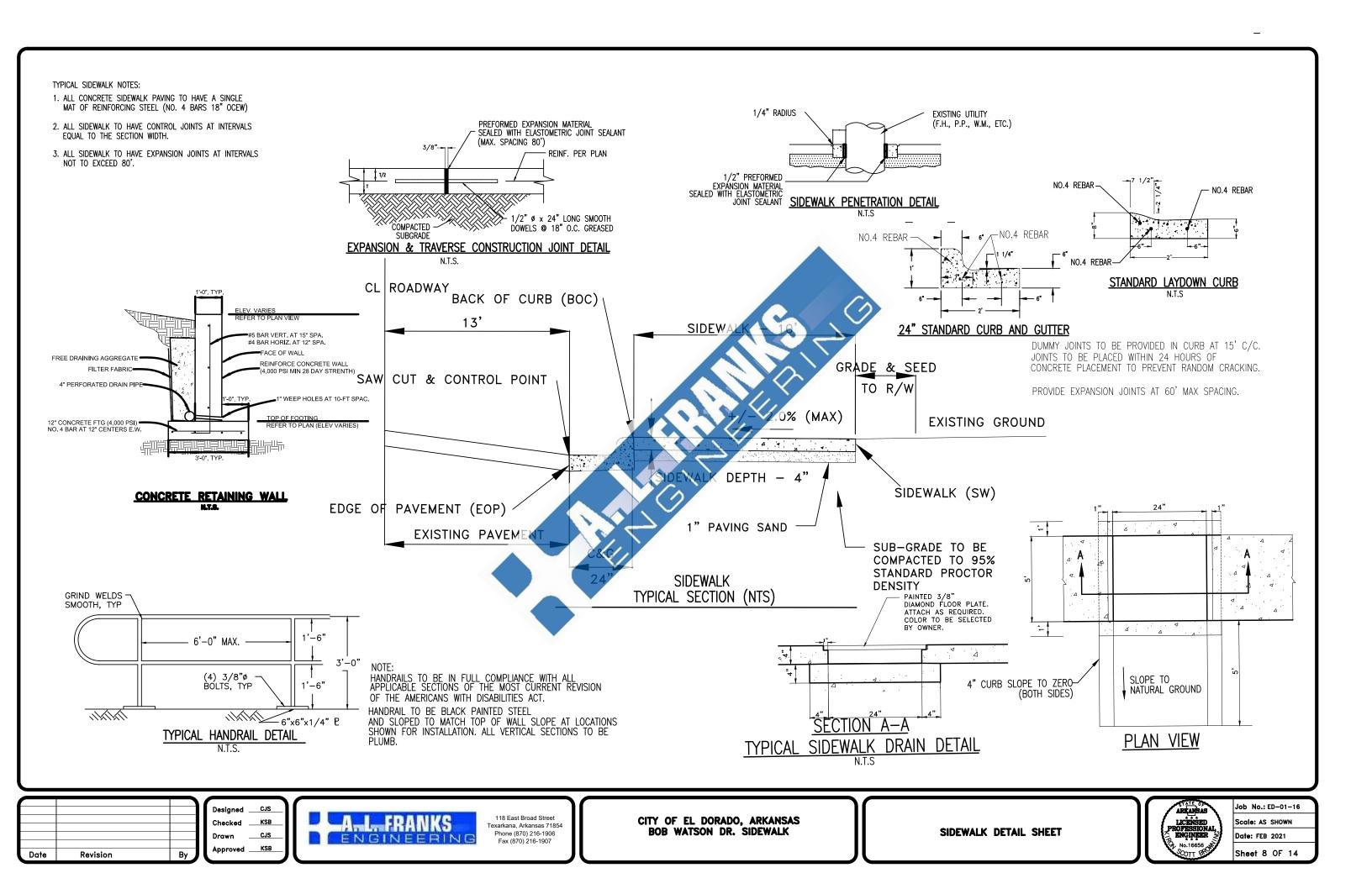


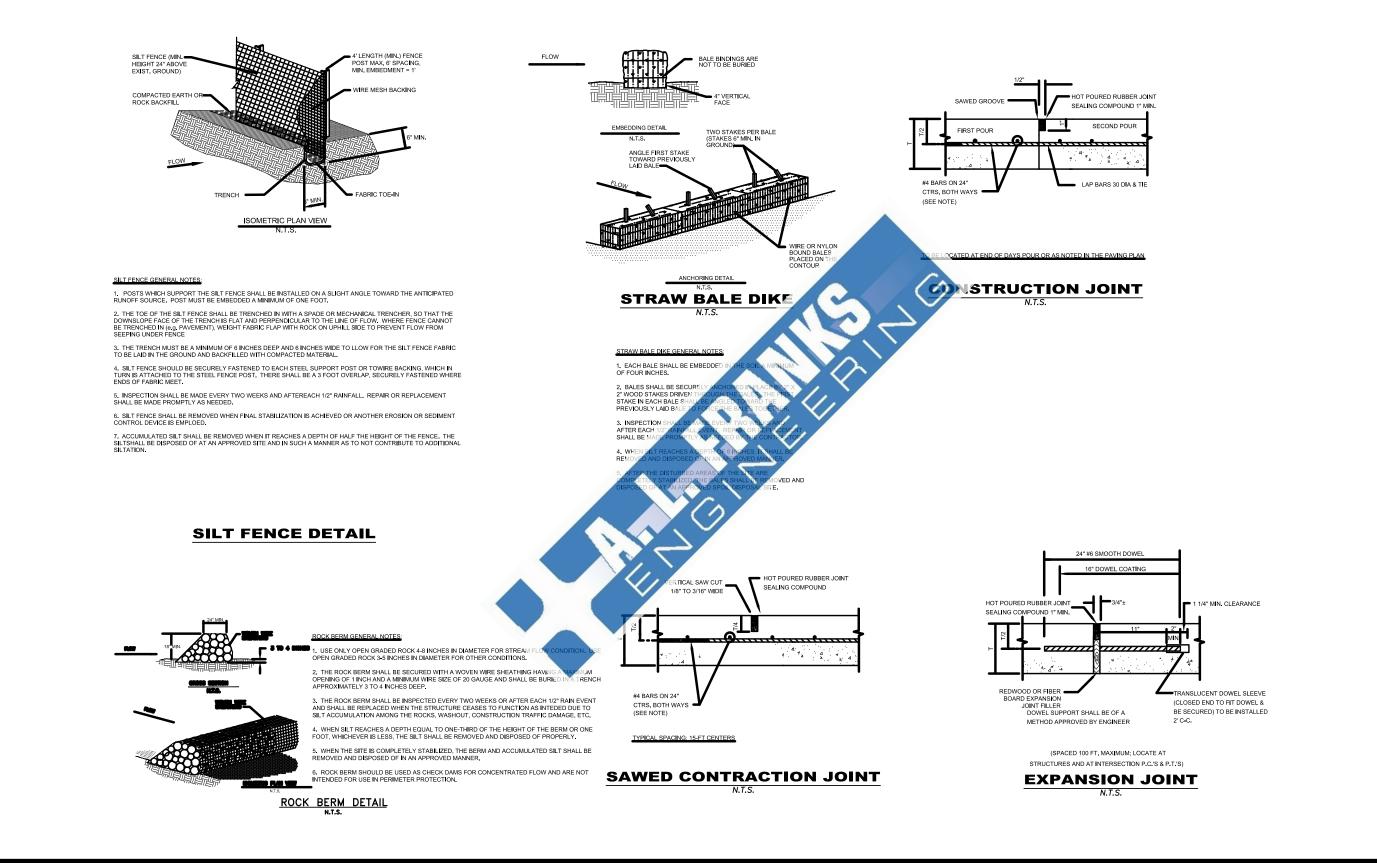
Job No.: ED-01-16

Scale: 1"=50'

Date: FEB 2021

Sheet 7 OF 14





Date Revision By

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 CJS

 Checked
 KSB

 Drawn
 CJS

 Approved
 KSB

ALL FRANKS

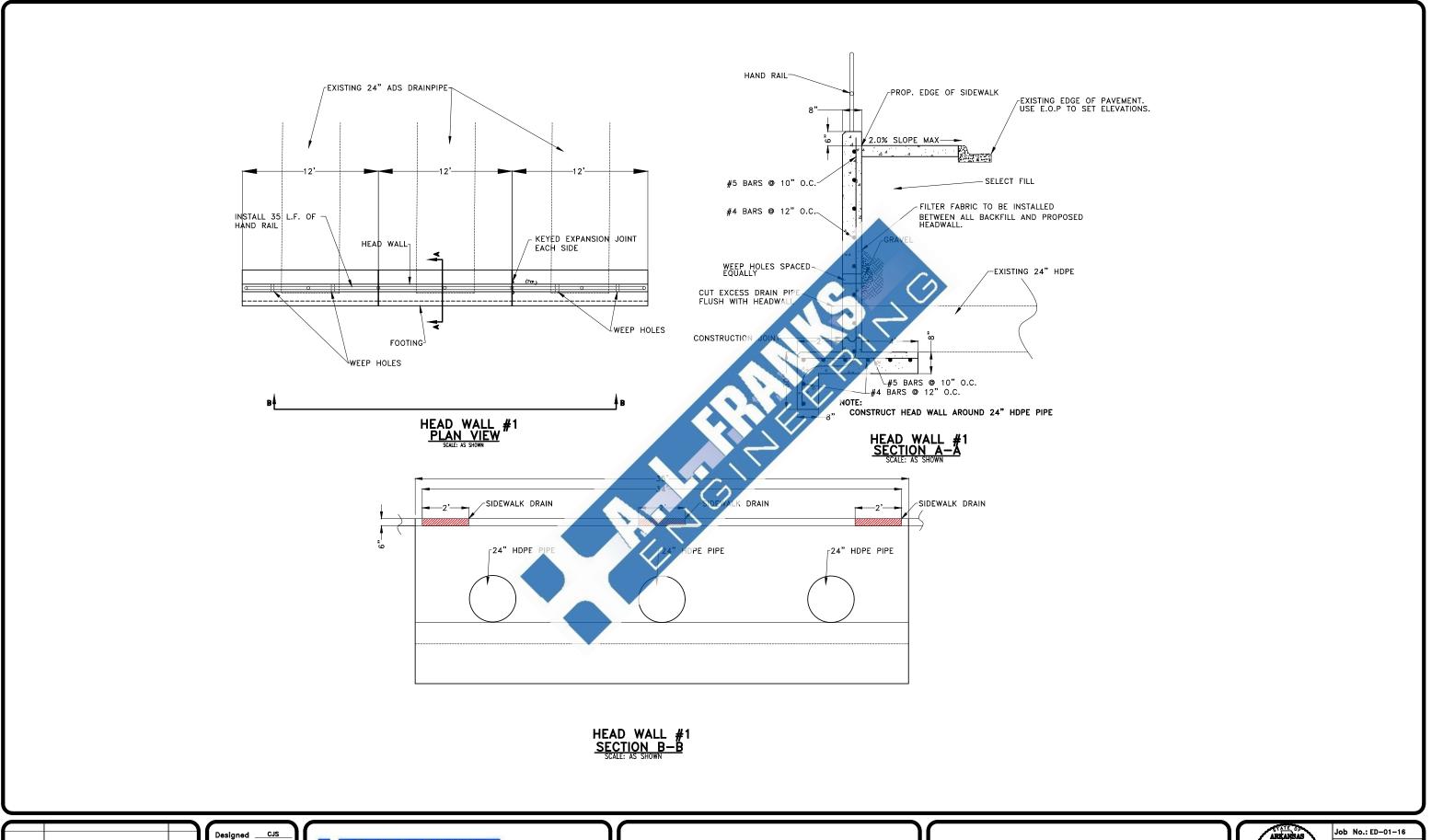
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MISCELLANEOUS DETAILS



Job No.: ED-01-16
Scale: AS SHOWN
Date: FEB 2021

Sheet 9 OF 14



Date Revision

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ENGINEERING

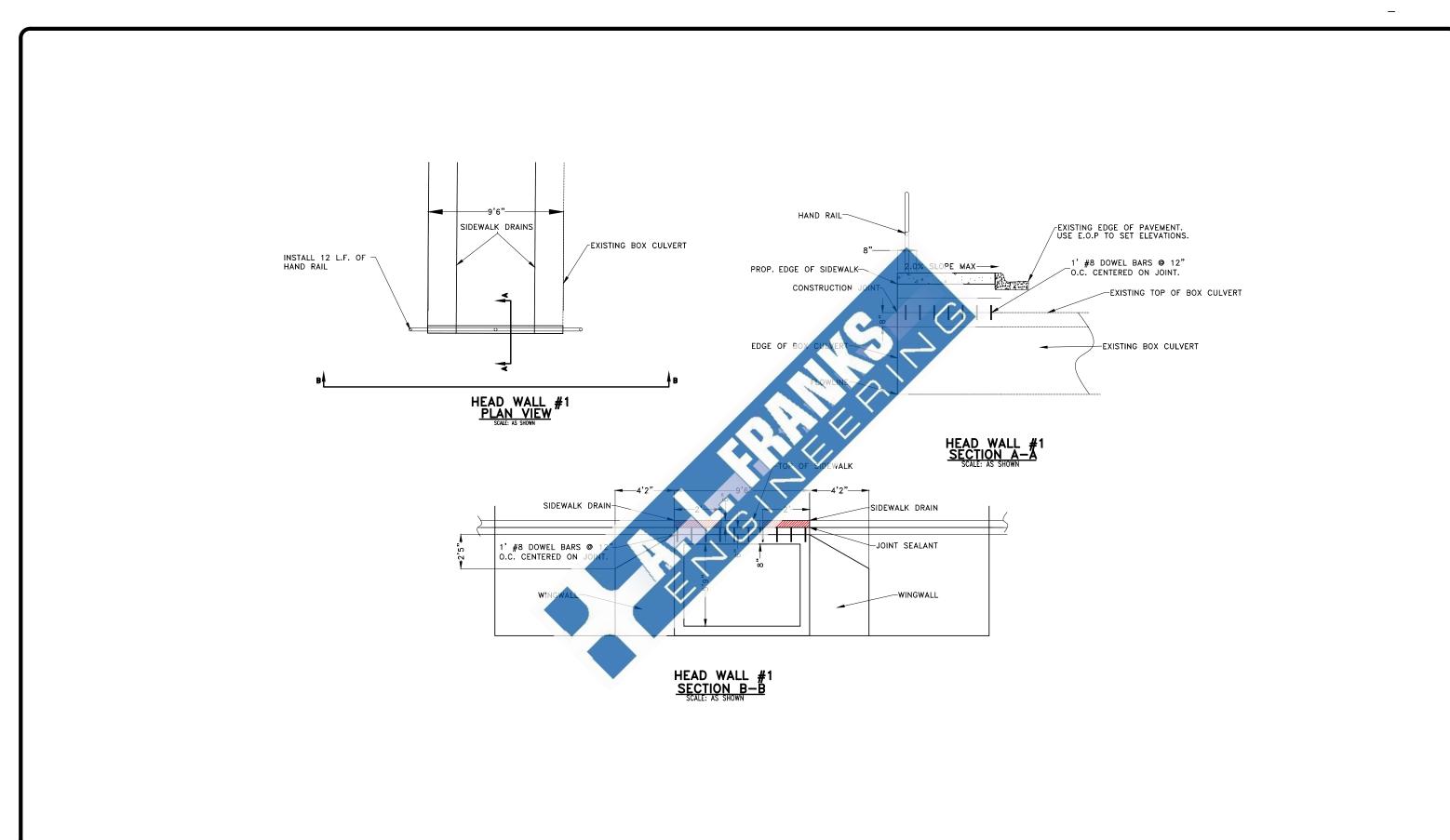
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DRAINAGE HEADWALL STA. 9+25



Scale: AS SHOWN Date: FEB 2021

Sheet 10 OF 14



Date Revision

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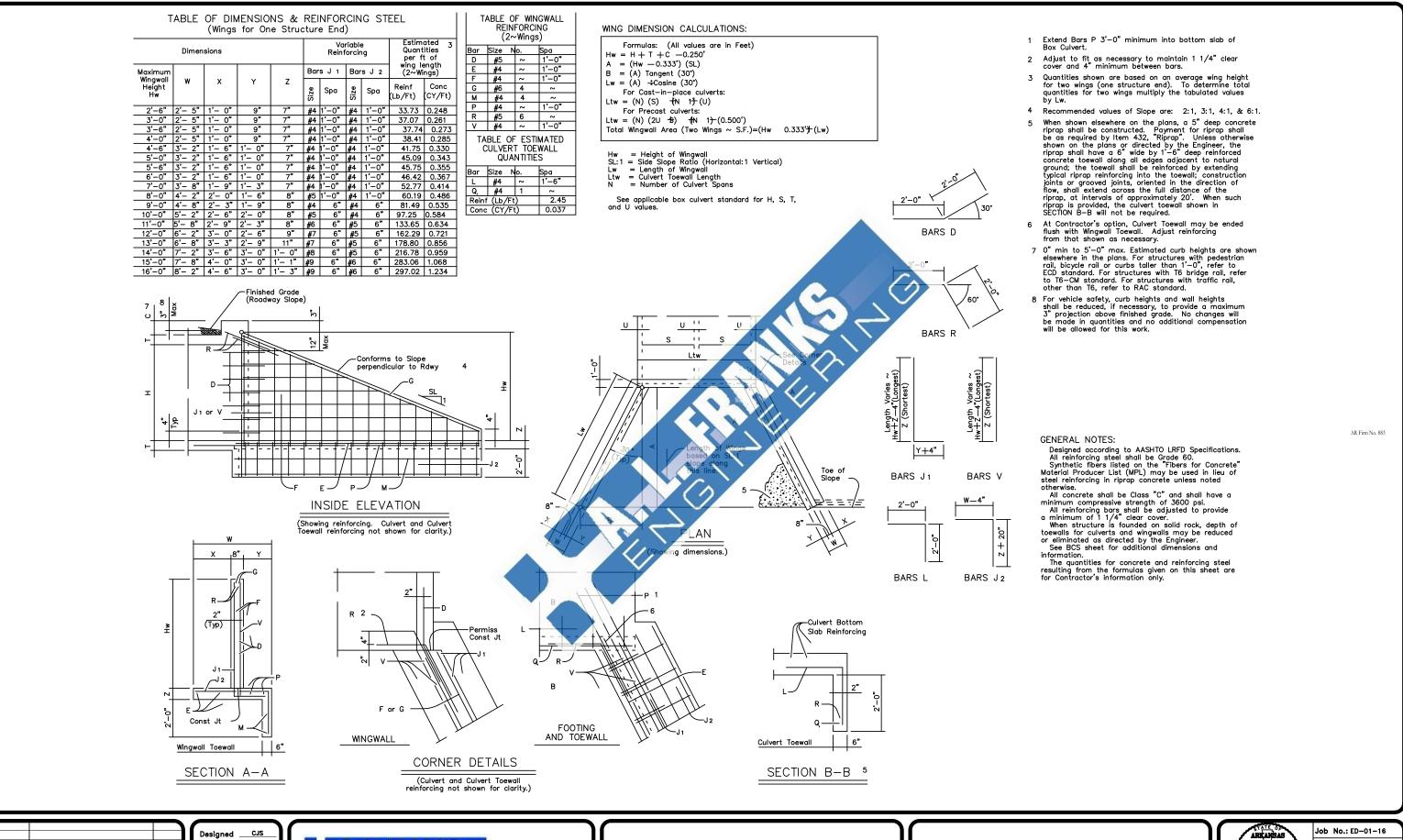
CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

BOX CULVERT HEADWALL STA. 22+35



Job No.: ED-01-16 Scale: AS SHOWN Date: FEB 2021

Sheet 11 OF 14



LICENSED PROFESSION ENGINEER Date: FEB 2021 Sheet 12 OF 14

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Date

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CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

N/A

N/A

N/A

8'- 6"

11'- 7"

13'- 7"

15'- 8"

17'- 9"

9'- 6" 9'-11"

5'-10"

6'-11"

8'- 0"

12'- 4"

N/A

N/A

N/A

Pipe Runner Length

N/A

N/A

8'-10"

12'- 0"

14'- 2"

N/A



CONCRETE RIPRAP QUANTITIES (CY)

Nominal Culvert		3:1 SNe	Slope			4:1 Side	Slope			6:1 Side	Slope	
I.D.	0° Skew	15° Skew	30 Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew	0° Skew	15° Skew	30° Skew	45° Skew
12"	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	
15"	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.9
18"	0.5	(0.5/	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	1.0
21	0.6	0.8	0.6	0.7	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.2
24"	0.6	0.7	0.7	8.0	0.8	0.8	0.8	1.0	1.0	1.0	1.1	1.3
27°	0.7	0.7	0.8	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.2	1.4
30"	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.3	1.6
33"	0.8	0.8	0.9	1.0	1.0	1.0	1.1	1.3	1.3	1.4	1.5	1.7
36"	0.9	0.9	0.9	1.1	1.1	1.1	1.2	1.4	1.4	1.5	1.6	1.8
42"	1.0	1.0	1.1	1.3	1.2	1.3	1.3	1.6	1.6	1.7	1.8	2.1
48"	1.1	1.1	1.2	N/A	1.4	1.4	1.5	N/A	1.9	1.9	2.1	N/A
	1.3	1.3	N/A	N/A	1.6	1.6	N/A	N/A	2.1	2.1	N/A	N/A
60"	1.4	N/A	N/A	N/A	1.7	N/A	N/A	N/A	2.3	N/A	N/A	N/A

BOTTOM ANCHOR TOEWALL DETAILS

Anchor Pipe Riprap

SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing Concrete Pipe Culvert.

Details of Corrugated Metal Pipe Culvert are similar.

Pipe Runners not shown for clarity)

Anchor

(Showing installation with no skew.)

ISOMETRIC VIEW OF

TYPICAL INSTALLATION

Working Point (at intersection of nominal I.D.)

NOTE: All Pipe Runners, calculations, and dimensions

—Limits of Riprap (to be included with S.E.T.

"x Miter

are based on the pipe culverts mitered as shown in this detail.

Alternate styles of mitered ends will require that appropriate adjustments be made to the values presented on this standard.

SIDE ELEVATION OF TYPICAL

PIPE CULVERT MITER

(Showing Corrugated Metal Pipe Culvert. Details of Concrete Pipe Culvert are similar.)

/—€ Cross Pipe Anchor Bolt

-Trimmed Edge of Pipe

Miter

Limits of Riprap (to be included with S.E.T.

—Top of Riprap

Trimmed Edge of Pipe Culvert

Flow Line

as shown in the tables. Cross Pipe of the Pipe Runner. Cross Pipe Stub Out of the Stub of

Pipe Culvert

1'- 8"

1'-10"

2'- 1"

2'- 4"

2'- 7"

3'- 0" 5'-11"

60" 3'- 3" 6'- 5" 13'- 3"

27"

30"

36"

42"

48"

Cross Pipe Length

3'- 5"

3'- 8"

3'-11"

4'- 2"

4'- 5"

5'- 5"

N/A

N/A

N/A

6'- 2"

8'- 6"

6'-11"

10'- 1"

11'- 8"

3:1 Side Slope

N/A

N/A

6'- 5"

7'- 3"

8'-10"

10'- 5"

12'- 1"

N/A

5'- 5"

6'- 4"

9'-11"

N/A

N/A

11'- 9"

8'- 2" 10'- 2"

of only one pipe runner culvert pipe opening. In order to limit the clear traversed by an errant vehicle, the following

For 60" culvert pipes, the skew must not exceed 0. 56" culvert pipes, the skew must not exceed 15. 50r 48" culvert pipes, the skew must not exceed 30. For all culvert pipe sizes 42" and less, the skew must

If the above conditions cannot be met, the designer should consider using a safety end treatment with flared wings. For further information, refer to the TxDOT "Roadway Design Manual".

- 3 Miter = Slope of Mitered Pipe Culvert End
- Riprap placed beyond the limits shown will be paid as Concrete Riprap in accordance with Item 432, "Riprap".
- 5 Quantities shown are for one end of one reinforced Concrete Pipe Culvert. For multiple Pipe Culverts or for Corrugated Metal Pipe Culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only.

Date Revision

CJS Designed KSB CJS Drawn Approved KSB

Bottom



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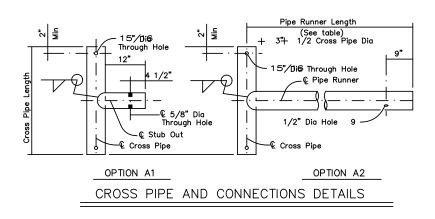
CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

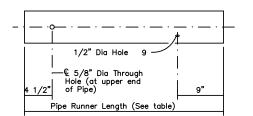
SAFETY END TREATMENT DETAILS



Job No.: ED-01-16 cale: AS SHOWN Date: FEB 2021

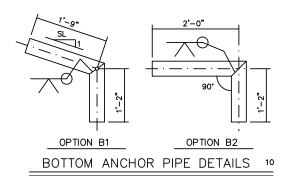
Sheet 13 OF 14



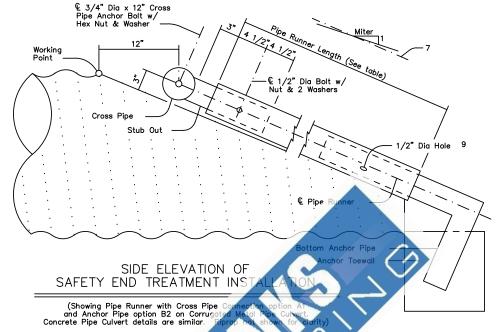


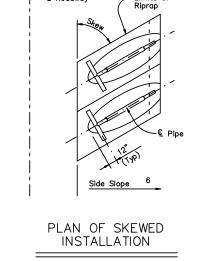
NOTE: The separate Pipe Runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS

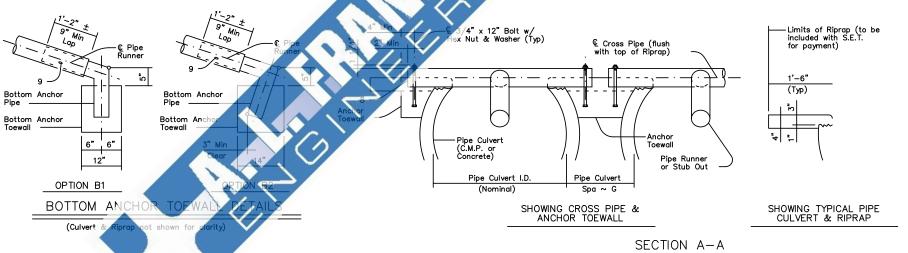


- 4 Riprap placed beyond the limits shown will be paid as Concrete Riprap in accordance with Item 432, "Riprap".
- 6 Recommended values of side slope are 3:1, 4:1, & 6:1. All quantities, calculations, and dimensions shown herein are based on these recommended values. Slope of 3:1 or flatter is required for vehicle safety.
- 7 Note that actual slope of Pipe Runner may vary slightly from Side Slope of Riprap and trimmed Culvert Pipe edge.
- 8 Care shall be taken to ensure that Riprap concrete does not flow into the Cross Pipe so as to permit disassembly of the bolted connection to allow cleanout access.
- 9 After installation, the 1/2" hole shall be inspected to ensure that the lap of the Pipe Runner with the Bottom Anchor Pipe is adequate.
- At fabricator's option, a heat bend to a smooth 5" radius or a manufactured elbow (of the same material as the Runner) may be substituted for the mitered and welded joint in the Bottom Anchor Pine





--- € Roadway



GENERAL

118 East Broad Street

Texarkana, Arkansas 71854 Phone (870) 216-1906

Fax (870) 216-1907

Toewall

GENERAL NOTES:
Pipe Runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.

The Safety End Treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the Pipe Runners.

Riprap and all necessary inverts shall be Concrete Riprap conforming to the requirements of Item 432, "Riprap".

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Payment for riprap and toewall is included in the Price Bid for each Safety End Treatment.

Pipe Runners, Cross Pipes, and Anchor Pipes shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52. requirements of ASIM ASS (type E or S, Grade B), ASIM ASSO (Grade E or API SLX52.

Bolts and nuts shall conform to ASTM A307.

All steel components, except concrete reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

Date Revision

CJS Designed KSB CJS Drawn Approved <u>KSB</u>



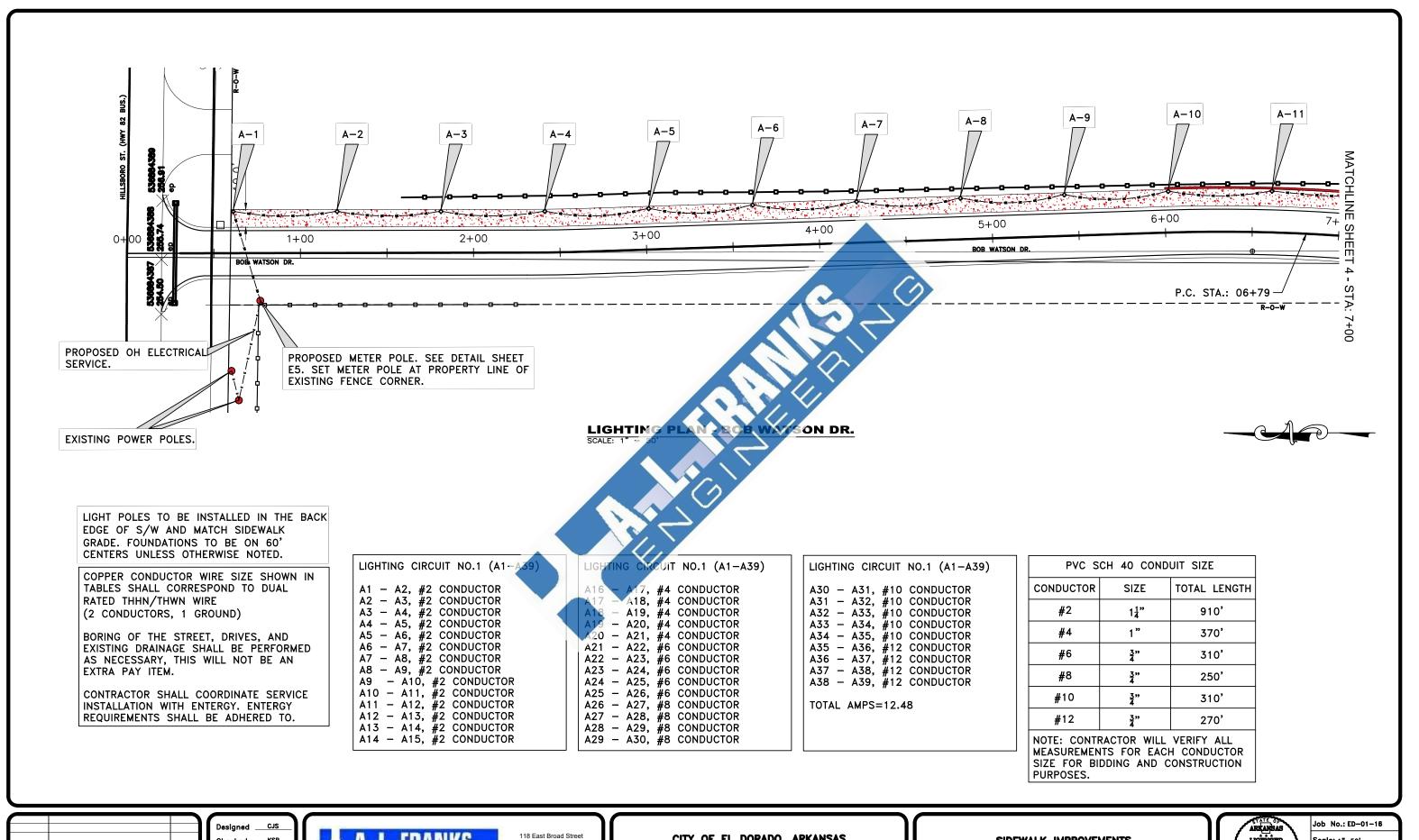
CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

SAFETY END TREATMENT DETAILS CONT'D



Job No.: ED-01-16 cale: AS SHOWN Date: FEB 2021

Sheet 14 OF 14



Date Revision

___KSB ___CJS Approved KSB

Drawn



Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907

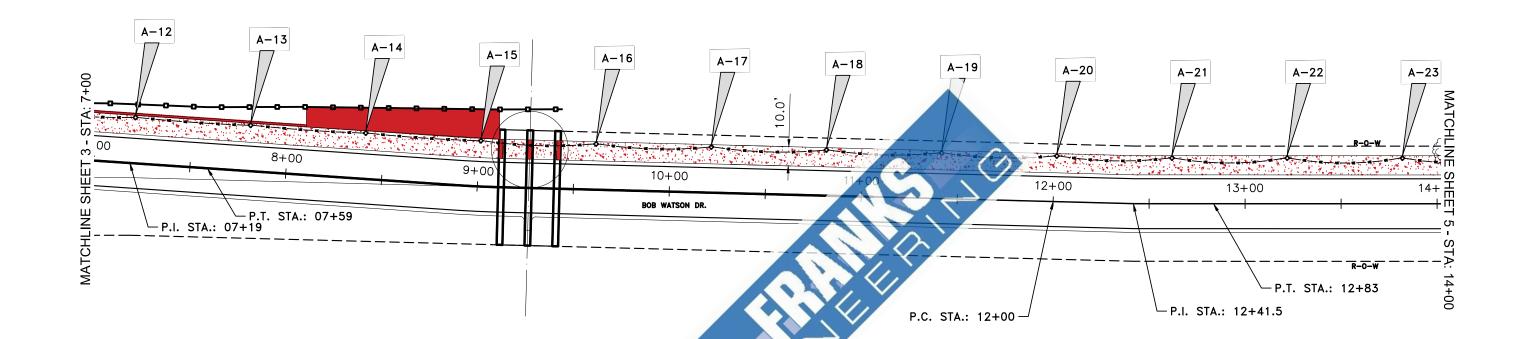
CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

SIDEWALK IMPROVEMENTS LIGHTING PLAN STA: 0+00 TO STA: 7+00



cale: 1"=50' Date: FEB 2021 Sheet E1 OF E5





LIGHT POLES TO BE INSTALLED IN THE BACK EDGE OF S/W AND MATCH SIDEWALK GRADE. FOUNDATIONS TO BE ON 60' CENTERS UNLESS OTHERWISE NOTED.

COPPER CONDUCTOR WIRE SIZE SHOWN IN TABLES SHALL CORRESPOND TO DUAL RATED THHN/THWN WIRE
(2 CONDUCTORS, 1 GROUND)

BORING OF THE STREET, DRIVES, AND EXISTING DRAINAGE SHALL BE PERFORMED AS NECESSARY, THIS WILL NOT BE AN EXTRA PAY ITEM.

CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION WITH ENTERGY. ENTERGY REQUIREMENTS SHALL BE ADHERED TO.

LIGHTING CIRCUIT NO.1 (A1-A39)

A1 - A2, #2 CONDUCTOR
A2 - A3, #2 CONDUCTOR
A3 - A4, #2 CONDUCTOR
A4 - A5, #2 CONDUCTOR
A5 - A6, #2 CONDUCTOR
A6 - A7, #2 CONDUCTOR
A7 - A8, #2 CONDUCTOR
A8 - A9, #2 CONDUCTOR
A9 - A10, #2 CONDUCTOR
A10 - A11, #2 CONDUCTOR
A11 - A12, #2 CONDUCTOR
A12 - A13, #2 CONDUCTOR
A13 - A14, #2 CONDUCTOR
A14 - A15, #2 CONDUCTOR

GHTING PROUIT NO.1 (A1-A39)

LIG

A16 - 17, 4 CONDUCTOR A17 - A18 #4 CONDUCTOR A18 - 13 #4 CONDUCTOR A19 - A21, #4 CONDUCTOR A20 - A21, #4 CONDUCTOR A21 - A22, #6 CONDUCTOR A22 - A23, #6 CONDUCTOR A24 - A25, #6 CONDUCTOR A25 - A26, #6 CONDUCTOR A26 - A27, #8 CONDUCTOR A27 - A28, #8 CONDUCTOR A28 - A29, #8 CONDUCTOR A29 - A30, #8 CONDUCTOR

LIGHTING CIRCUIT NO.1 (A1-A39)

A30 - A31, #10 CONDUCTOR A31 - A32, #10 CONDUCTOR A32 - A33, #10 CONDUCTOR A33 - A34, #10 CONDUCTOR A34 - A35, #10 CONDUCTOR A35 - A36, #12 CONDUCTOR A36 - A37, #12 CONDUCTOR A37 - A38, #12 CONDUCTOR A38 - A39, #12 CONDUCTOR

TOTAL AMPS=12.48

VATSON DR.

PVC SCH 40 CONDUIT SIZE CONDUCTOR SIZE TOTAL LENG #2 1¼" 910'							
	PVC SCH 40 CONDUIT SIZE						
#2 1¼" 910'	GTH						
#4 1" 370°							
#6 ³ / ₄ " 310'							
#8 ³ / ₄ " 250'							
#10 ³ / ₄ " 310'							
#12 ³ / ₄ " 270'							

NOTE: CONTRACTOR WILL VERIFY ALL MEASUREMENTS FOR EACH CONDUCTOR SIZE FOR BIDDING AND CONSTRUCTION PURPOSES.



Date Revision By

Designed CJS

Checked KSB

Drawn CJS

Approved KSB



118 East Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907

CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK SIDEWALK IMPROVEMENTS
LIGHTING PLAN
STA: 7+00 TO STA: 14+00

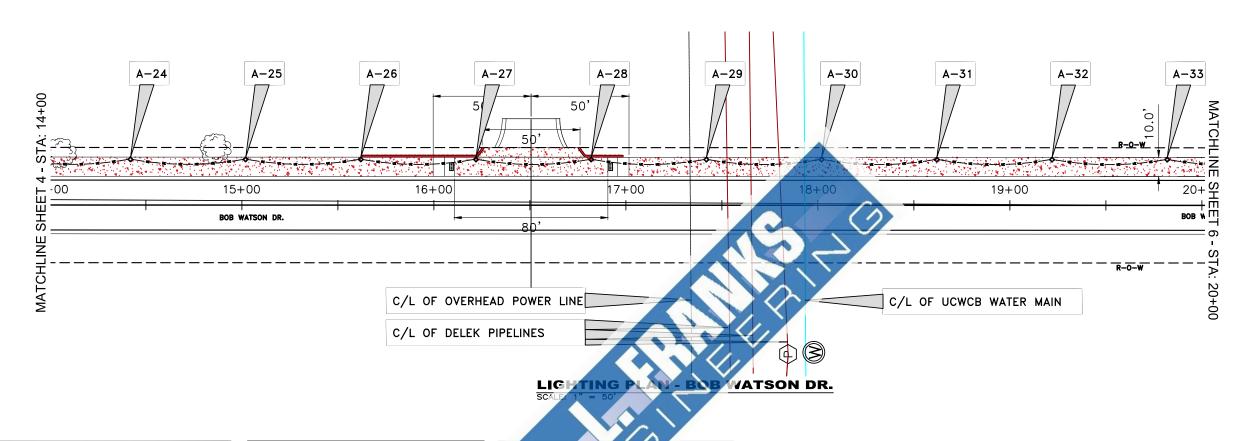


Job No.: ED-01-16

Scale: 1"=50'

Date: FEB 2021

Sheet E2 OF E5



LIGHT POLES TO BE INSTALLED IN THE BACK EDGE OF S/W AND MATCH SIDEWALK GRADE. FOUNDATIONS TO BE ON 60' CENTERS UNLESS OTHERWISE NOTED.

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CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION WITH ENTERGY. ENTERGY REQUIREMENTS SHALL BE ADHERED TO.

LIGHTING CIRCUIT NO.1 (A1-A39)

A1 - A2, #2 CONDUCTOR
A2 - A3, #2 CONDUCTOR
A3 - A4, #2 CONDUCTOR
A4 - A5, #2 CONDUCTOR
A5 - A6, #2 CONDUCTOR
A6 - A7, #2 CONDUCTOR
A7 - A8, #2 CONDUCTOR
A8 - A9, #2 CONDUCTOR
A9 - A10, #2 CONDUCTOR
A10 - A11, #2 CONDUCTOR
A11 - A12, #2 CONDUCTOR
A12 - A13, #2 CONDUCTOR
A13 - A14, #2 CONDUCTOR
A14 - A15, #2 CONDUCTOR

GHTING CIRCUIT NO. (A1-A39)

A16 — A17, #4 CONDUCTOR
A17 — A18, #4 CONDUCTOR
A18 — A.9 #4 CONDUCTOR
A19 — A21, #4 CONDUCTOR
A21 — A22, #6 CONDUCTOR
A22 — A23, #6 CONDUCTOR
A23 — A24, #6 CONDUCTOR
A24 — A25, #6 CONDUCTOR
A25 — A26, #6 CONDUCTOR
A26 — A27, #8 CONDUCTOR
A27 — A28, #8 CONDUCTOR
A28 — A29, #8 CONDUCTOR
A29 — A30, #8 CONDUCTOR

LIGHTING CIRCUIT NO.1 (A1-A39)

A30 - A31, #10 CONDUCTOR A31 - A32, #10 CONDUCTOR A32 - A33, #10 CONDUCTOR A33 - A34, #10 CONDUCTOR A34 - A35, #10 CONDUCTOR A35 - A36, #12 CONDUCTOR A36 - A37, #12 CONDUCTOR A37 - A38, #12 CONDUCTOR A38 - A39, #12 CONDUCTOR

TOTAL AMPS=12.48

PVC SCH 40 CONDUIT SIZE						
CONDUCTOR	SIZE	TOTAL LENGTH				
#2	1¼"	910'				
#4	1"	370'				
#6	3" 4	310'				
#8	3" 4	250'				
#10	3" 4	310'				
#12	<u>3</u> "	270'				

NOTE: CONTRACTOR WILL VERIFY ALL MEASUREMENTS FOR EACH CONDUCTOR SIZE FOR BIDDING AND CONSTRUCTION PURPOSES.



Date Revision By

 Designed
 CJS

 Checked
 KSB

 Drawn
 CJS

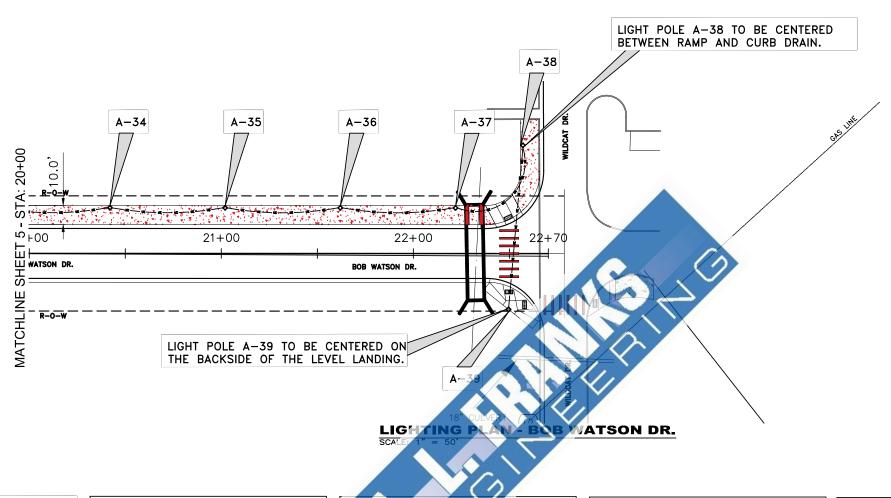
 Approved
 KSB



118 East Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907 CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK SIDEWALK IMPROVEMENTS
LIGHTING PLAN
STA: 14+00 TO STA: 20+00



Job No.: ED-01-16
Scale: 1"=50'
Date: FEB 2021
Sheet E3 OF E5



LIGHT POLES TO BE INSTALLED IN THE BACK EDGE OF S/W AND MATCH SIDEWALK GRADE. FOUNDATIONS TO BE ON 60' CENTERS UNLESS OTHERWISE NOTED.

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CONTRACTOR SHALL COORDINATE SERVICE INSTALLATION WITH ENTERGY. ENTERGY REQUIREMENTS SHALL BE ADHERED TO.

LIGHTING CIRCUIT NO.1 (A1-A39)

A1 - A2, #2 CONDUCTOR
A2 - A3, #2 CONDUCTOR
A3 - A4, #2 CONDUCTOR
A4 - A5, #2 CONDUCTOR
A5 - A6, #2 CONDUCTOR
A6 - A7, #2 CONDUCTOR
A7 - A8, #2 CONDUCTOR
A8 - A9, #2 CONDUCTOR
A9 - A10, #2 CONDUCTOR
A10 - A11, #2 CONDUCTOR
A11 - A12, #2 CONDUCTOR
A12 - A13, #2 CONDUCTOR
A13 - A14, #2 CONDUCTOR

A14 - A15, #2 CONDUCTOR

GHTING CIRCUIT VO.1 (A1-A39)

A17 - A12, #4 CONDUCTOR
A18 - A12, #4 CONDUCTOR
A18 - A20, #4 CONDUCTOR
A20 - A21, #4 CONDUCTOR
A21 - A22, #6 CONDUCTOR
A22 - A23, #6 CONDUCTOR
A23 - A24, #6 CONDUCTOR
A24 - A25, #6 CONDUCTOR
A25 - A26, #6 CONDUCTOR
A26 - A27, #8 CONDUCTOR
A27 - A28, #8 CONDUCTOR
A28 - A29, #8 CONDUCTOR
A29 - A30, #8 CONDUCTOR

LIGHTING CIRCUIT NO.1 (A1-A39)

A30 - A31, #10 CONDUCTOR A31 - A32, #10 CONDUCTOR A32 - A33, #10 CONDUCTOR A33 - A34, #10 CONDUCTOR A34 - A35, #10 CONDUCTOR A35 - A36, #12 CONDUCTOR A36 - A37, #12 CONDUCTOR A37 - A38, #12 CONDUCTOR A38 - A39, #12 CONDUCTOR

TOTAL AMPS=12.48

CONDUCTOR	SIZE	TOTAL LENGTH
#2	1 1 "	910'
#4	1"	370'
#6	3" 4	310'
#8	3" 4	250'
#10	3" 4	310'

270'

PVC SCH 40 CONDUIT SIZE

NOTE: CONTRACTOR WILL VERIFY ALL MEASUREMENTS FOR EACH CONDUCTOR SIZE FOR BIDDING AND CONSTRUCTION PURPOSES.



Date Revision By

 Designed
 CJS

 Checked
 KSB

 Drawn
 CJS

 Approved
 KSB

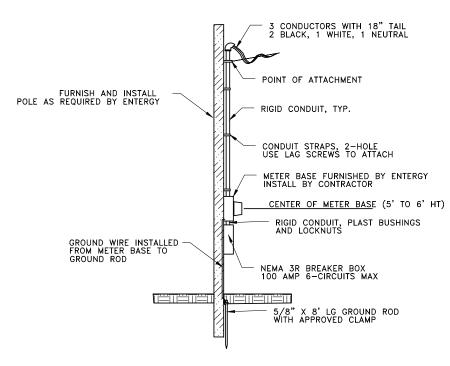


118 East Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907 CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK SIDEWALK IMPROVEMENTS
LIGHTING PLAN
STA: 20+00 TO STA: 22+70

#12



Job No.: ED-01-16
Scale: 1"=50'
Date: FEB 2021
Sheet E4 OF E5



ELECTRICAL SERVICE POLE NOT TO SCALE

OLES WILL BE 12 FEET. BASE FOUNDATION & ANCHOR BOLTS SHALL ED PER MANUFACTURES RECOMMENDATION. ANTIQUE LIGHT FIXTURE WILL BE STERNBERG / OLD MODEL-A840 (VCOB-4L/30(00)/TS/MDL05) WITH WATT LED FIXTURE. (230 VOLT SINGLE PHASE) 4. ANTIQUE LIGHT POLE WILL BE STERNBERG LIGHT 3900 RICHMOND OR APPROVED EQUAL.

REFER TO BOLT PATTERN FOR PRECAST POLE FINISH GRADE 15" DIA. PIER TO DEPTH OF 4-FT 3/4" X 8' COPPER GROUND ROD INSTALL 2 (1-1/2") (ENTRANCE/EXIT, TYP.)
PVC SCH.40 CONDUITS #5 BARS VERTICAL (6 TOTAL) WITH #3 SPIRAL AT 10" VERT SPAC.

FOUNDATION DETAIL

NOTE TO SCALE

5. OWNER SHALL SELECT POLE FINISH, AND CCT.

Date Revision

CJS Designed ___KSB CJS Drawn

Approved KSB



118 East Broad Street Texarkana, Arkansas 71854 Phone (870) 216-1906 Fax (870) 216-1907

CITY OF EL DORADO, ARKANSAS BOB WATSON DR. SIDEWALK

SIDEWALK IMPROVEMENTS ELECTRICAL DETAILS STA: 20+00 TO STA: 22+70



Job No.: ED-01-16 Scale: AS SHOWN

Date: FEB 2021

Sheet E5 OF E5

CITY OF EL DORADO, ARKANSAS BOB WATSON DRIVE SIDEWALKS

BID PROPOSAL

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1	L.S.	Removal and disposal including, but not limited to concrete sidewalks, curbs, gutters, asphalt sections trees, and brush including all necessary saw cutting as shown on the plans for the lump sum price of college and certs/L.S	\$	\$
2	1	L.S.	Mobilization including preparatory work and operations, including but potherited to, movement of personnel, equipment, supplies, and incidentals to the project site for the lump sum price of	\$	\$
			Dollars and Cents/L.S		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
3	1	L.S.	Maintenance of Traffic per the plans and specifications for the lump sum price of	\$	\$
4	2,370	S.Y.		\$	\$
			Dollars and Cents/S.Y.		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
5	120	S.Y.	Concrete flatwork 8" thick including any grading, paving sand, reinforcement, etc. per the plans and specifications for the unit price of		\$
6	2,300	L.F.	6" Concrete curb and Gutter including sawcut line on the edge of asphalt per the place and specifications for the unit price of	<u> </u>	\$
			Dollars and Cents/L.F		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
7	80	L.F.	Laydown Concrete curb including sawcut line on the edge of asphalt per the plans and specifications for the unit price of (laydown curb at wheelchair ramps to be included in ramp bid item)	\$	\$
8	1	L.S.	Furnish all equipment, material, and laser to install 12"-18" Rip Rap drainage (24" Mix Depth) 35 lb. min. on filter fabric including ary grading or suitable backfill per the plans and specifications for the unit price of	\$	\$
			Dollars and Cents/L.S.		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
9	500	L.F.	Modular concrete Retaining Walls and footings per plans and specifications for the unit price of Dollars and Central F	\$	\$
10	1	EA	Furnish and install wheelchs reamys type 1 including any transitional ramps, landings, etc. to have a legal ramp per the plans and specifications for the unit price of	\$	\$
			Dollars and Cents/EA		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
11	3	EA	Furnish and install wheelchair ramps type 3 including any transitional ramps, landings, etc. to have a legal ramp per the plans and specifications for the unit price of	3 \$	\$
12	1	EΑ	Furnish and install wheelchair ramps type 4 including any transitional ramps, landings, etc. to have a legal ramp per the plans and specifications for the unit price of	\$	\$
			Dollars and Cents/EA		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
13	5	EA	Diamond Plate Steel for sidewalk drains to be bolted per the plans and specifications for the unit price of	\$	\$
14	1	L.S.	Furnish all equipment, material, and labor to install Headwall and drainage at Stat 9425 around the existing Drainpipe per the plans and specifications for the unit price of (not including handrail & flatwork)	\$	\$
			Dollars and Cents/L.S		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
15	1	L.S.	Furnish all equipment, material, and labor to install Headwall and drainage at Sta: 22+35 around the existing Box Culvert per the plans and specifications for the unit price of (not including handrail & flatwork)	\$	\$
16	50	L.F.	Handrail per the plans and specifications for the unit price of Dollars and Cents/L.F	\$	\$

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
17	64	S.F.	Furnish and Install Traffic Control Devices,(4 Road Work Signs Total) including but not limited to, installing, maintaining, moving from one location to another and removing traffic control devices according to the plans and specifications for the unit price of	\$	\$
18	5	EA	Re-install street signs using sidewaik penetration detail per the plans and specifications for the unit price of	\$	\$
			Dollars and Cents/EA		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
19	4	EA	Solar powered pedestrian crosswalk signs per the plans and specifications for the unit price of	\$	\$
20	2	EA	Furnish and Install crosswalk etalping per the plans and specifications for the unit price of	\$	\$
			Dollars and Cents/EA		

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
21	4,460	S.F.	Grade and Seed sidewalk area per the plans and specifications for the unit price of	3 \$	\$
22	1	L.S.	Grade and cut/fill as directed by the engineer around the sidewalk area after installation of the sidewalk to achieve 3:1 slope requirements and stabilization per the plans and specifications for the unit price of Dollars and Cents/L.S.	\$	\$



Submission of the completed Bid Proposal is considered evidence to the Owner that the Contractor fully and clearly understands the complete scope of work and all actions and materials required to complete the work.

Items required but not specifically called out in the Bid Proposal shall be included in other items.

Time required to complete base bid work shall be 120 calendar days.