

**CHANGE ORDER****Number 2**

Date: November 6, 2023  
 To: Dirtworks Construction, LLC  
 From: City of Grand Junction, Department of Public Works and Utilities  
 Project: **2022 Waterline Replacement Phase 2**  
 P.O.: **2023-0000244**

It is agreed to modify the Contract for the Project as follows:

This Change Order authorizes Dirtworks Construction, LLC to proceed with the Work shown on the Drawings titled "Dos Rios to Riverside Raw Water Line" dated October 4, 2023, prepared by the City of Grand Junction. Unit Costs are according to the Bid Schedule provided by Dirtworks Construction, LLC on October 16, 2023. Forty-Five (45) Calendar Days are added to the Contract for the completion of the Work.

Summary of Contract price adjustments - itemized on the attached sheet(s):

Original Contract Amount	\$1,366,411.00	
Approved Change Orders	0.00	
This Change Order	169,409.67	201-710-385-380.8230-G2202
Revised Contract Amount	<u>\$1,535,820.67</u>	

Summary of Contract time adjustments:

Original Contract Time	120.	Cal. Days
Approved Change Orders	43.	
This Change Order	<u>45.</u>	
Revised Contract Time	208.	Cal. Days

Construction Start Date: June 14, 2023  
 Contract Completion Date: January 7, 2024

This modification constitutes compensation in full for all costs and mark-ups directly and/or indirectly attributable to the changes ordered herein, for all delays, impacts and disruptions related thereto and for performance of the changes within the Contract Time.

Owner: **City of Grand Junction**

Prepared by:

DocuSigned by:  
 William Comerer  
 638055AD5427468

Date: 11/6/2023

William Comerer, Project Engineer

Recommended by:

DocuSigned by:  
 Kenneth A. Hales, Engineering Manager, Public Works, City of Grand Junction  
 2440A8467260433

Date: 11/6/2023

Kenneth Hales, Engineering Manager

Approved by:

DocuSigned by:  
 Ken Sherbenou - Director of Parks & Recreation, City of Grand Junction  
 1380EAF622F547B

Date: 11/7/2023

Ken Sherbenou, Parks and Recreation Director

Approved by:

DocuSigned by:  
 Greg Caton - City Manager - City of Grand Junction  
 2F1EE1D55758492

Date: 11/22/2023

Greg Caton, City Manager

Contractor:

**Dirtworks Construction, LLC**

Signature:

DocuSigned by:  
 Branden D. Hughes  
 5B722585102643D

Date: 11/6/2023

Name and Title:

Branden D. Hughes, Owner - Dirtworks Construction, LLC

### Bid Schedule: Dos Rios to Riverside Raw Water Line

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	4" Water Pipe (C-900 PVC, DR-18)(Includes cost of restrained connection to existing pipe)(Trench installation)	364.	LF	\$ 31.50	\$ 11,466.00
2	108.2	4" Water Pipe (C-900 PVC, DR-18)(Horizontal Directional Drilling Installation)	823.	LF	\$ 72.00	\$ 59,256.00
3	108.2	Imported Trench Backfill (Class 3) (Includes haul and disposal of unsuitable excavated material )(As directed by Engineer)	15.	Ton	\$ 20.00	\$ 300.00
4	108.2	2" Irrigation or Drain Pipe (Includes cost of connection to existing valves, pipes, or manholes) (SDR 26 PVC IPS ASTM D 2241, 160 PSI)	98.	LF	\$ 34.00	\$ 3,332.00
5	108.3	4" Gate Valve (Epoxy Coated)	3.	EA	\$ 1,525.00	\$ 4,575.00
6	108.3	4" Air Valve (Epoxy Coated) and Vault (Per City Std. Detail W-11)	1.	EA	\$ 7,530.00	\$ 7,530.00
7	108.3	4"x2" Tee (Epoxy Coated)(Includes concrete thrustblock per City Std. Details W-07 and W-08)	2.	EA	\$ 425.00	\$ 850.00
8	108.3	4", 11.25° Elbow (Epoxy Coated)(Includes concrete thrustblock per City Std. Details W-07 and W-08)	2.	EA	\$ 340.00	\$ 680.00
9	108.3	4", 22.5° Elbow (Epoxy Coated)(Includes concrete thrustblock per City Std. Details W-07 and W-08)	2.	EA	\$ 340.00	\$ 680.00
10	108.3	4", 45° Elbow (Epoxy Coated)(Includes concrete thrustblock per City Std. Details W-07 and W-08)	6.	EA	\$ 340.00	\$ 2,040.00
11	108.3	4" End Cap / Plug (Epoxy Coated)(Includes concrete thrustblock per City Std. Details W-07 and W-08)	1.	EA	\$ 230.00	\$ 230.00
12	108.3	4"x2" Reducer (Epoxy Coated)	2.	EA	\$ 315.00	\$ 630.00
13	108.3	8"x4" Reducer (Epoxy Coated)	1.	EA	\$ 582.00	\$ 582.00
14	108.7	Granular Stabilization Material (Type B) (As Directed by Engineer)	15.	Ton	\$ 18.00	\$ 270.00
15	203	Disposal of Radioactive Materials (Dispose at City Shops, 333 West Ave.)	10.	CY	\$ 9.15	\$ 91.50
16	208	Erosion Control (Complete in Place)		Lump Sum	---	\$ 1,200.00
17	209	Dust Abatement		Lump Sum	---	\$ 900.00
18	212	Sod (Includes 6" thick imported topsoil placed prior to sod)	208.	SF	\$ 25.00	\$ 5,200.00
19	304	Aggregate Base Course (Class 6) (13" Thick)	138.	SY	\$ 15.00	\$ 2,070.00
20	401	Hot Mix Asphalt (3" Thick Bottom Lift)(Grading SX, Binder Grade PG 64-22)	138.	SY	\$ 38.25	\$ 5,278.50
21	401	Hot Mix Asphalt (2" Thick Overlay for T-Top)(Grading SX, Binder Grade PG 64-22)	253.	SY	\$ 27.00	\$ 6,831.00
22	412	Concrete Pavement (8" Thick) (Class P) (Includes 6" Class 6 Aggregate Base Course)	5.	SY	\$ 149.00	\$ 745.00
23	608	Concrete Curb and Gutter (1.5' Wide, Match Existing) (City Std. Detail C-05) (Includes 6" Class 6 Aggregate Base Course)	20.	LF	\$ 45.65	\$ 913.00
24	608	Concrete Curb and Gutter (2' Wide, Match Existing) (City Std. Detail C-05) (Includes 6" Class 6 Aggregate Base Course)	19.	LF	\$ 48.30	\$ 917.70
25	608	Concrete Sidewalk (6" Thick) (Includes 6" Class 6 Aggregate Base Course)	5.	SY	\$ 121.10	\$ 605.50
26	608	Concrete Driveway Section (8" Thick) (Includes 6" Class 6 Aggregate Base Course)	5.	SY	\$ 123.75	\$ 618.75
27	620	Portable Sanitary Facility	1.	EA	\$ 800.00	\$ 800.00
28	625	Construction Surveying (Include As-Built Drawings)		Lump Sum	---	\$ 1,200.00
29	626	Mobilization		Lump Sum	---	\$ 3,200.00
30	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ 4,500.00
31	630	Traffic Control Plan		Lump Sum	---	\$ 800.00
32	630	Flagging	40.	Hour	\$ 38.00	\$ 1,520.00
33	-	Cold Patch (Includes placement, maintenance, removal, and disposal)(3" thick)	138.	SY	\$ 86.94	\$ 11,997.72
34	-	2" Irrigation Tap Assembly (Per detail on plans)	2.	EA	\$ 4,215.00	\$ 8,430.00
35	-	6" Irrigation Sleeve (SCH80 PVC ASTM D 1785)	50.	LF	\$ 21.00	\$ 1,050.00
36	-	Utility Locates and Potholing	24.	Hour	\$ 130.00	\$ 3,120.00
MCR		Minor Contract Revisions		---	---	\$ 15,000.00

**Bid Amount:** \$ 169,409.67

**Bid Amount:**

dollars



Know what's below.  
Call before you dig.

REVISION	REV	DESCRIPTION	DATE	DRAWN BY	WC	DATE
REVISION	△ REV 1			DESIGNED BY	WC	DATE 2023
REVISION	△ REV 2			CHECKED BY	WC	DATE 2023
REVISION	△ REV 3			APPROVED BY	WC	DATE 2023
REVISION	△ REV 4					

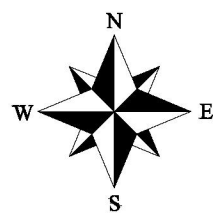
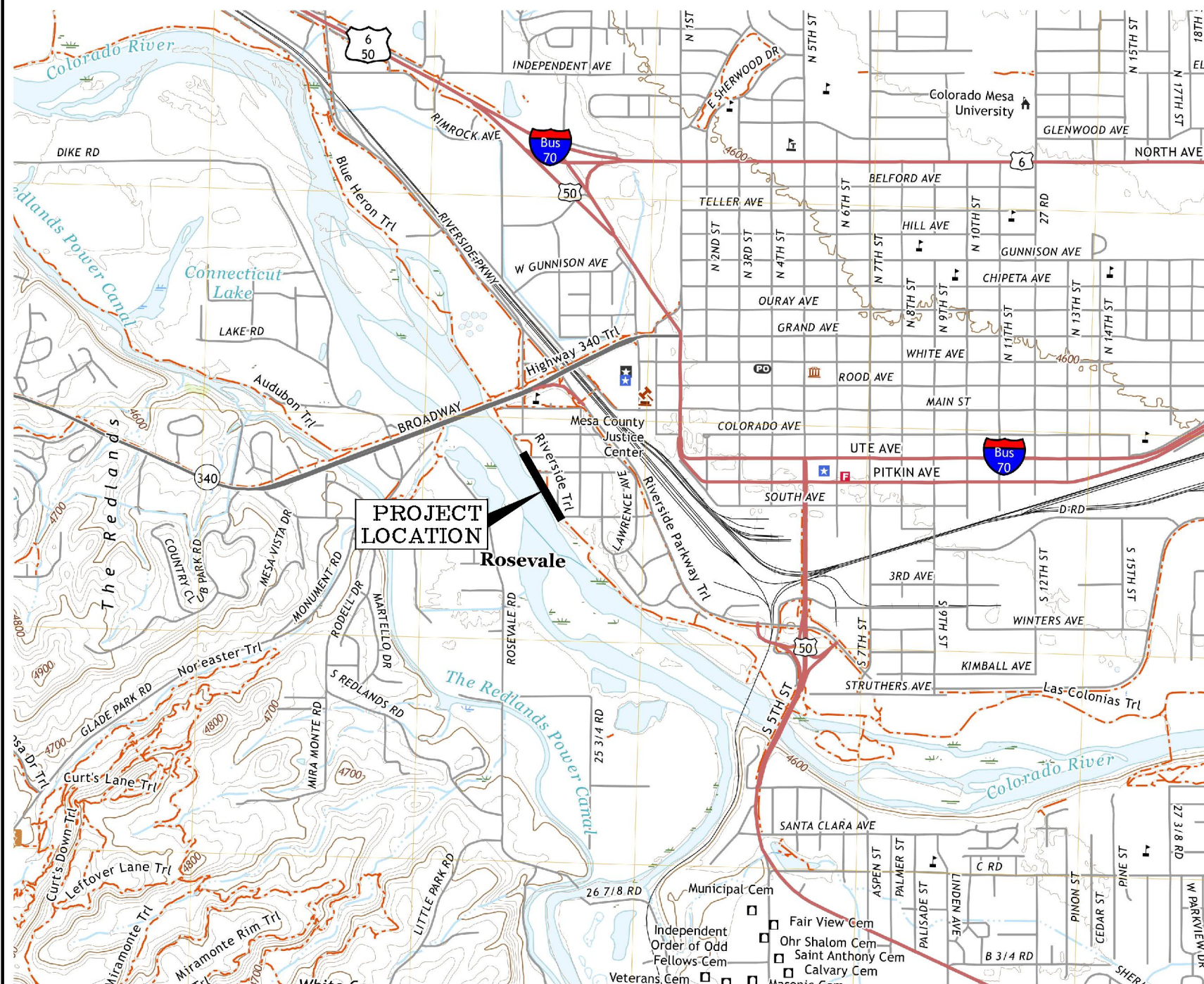
NO SCALE



**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
SUMMARY OF APPROXIMATE QUANTITIES**  
October 4, 2023

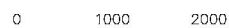
# CITY OF GRAND JUNCTION DOS RIOS TO RIVERSIDE RAW WATER LINE October 4, 2023



### Sheet Index

- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, & Symbols
- 3 Summary of Approximate Quantities
- 4 Project Control Plan
- 5-9 Removal Plans
- 10-15 Utility Plans
- 16 Raw Water Line Details
- 17-21 Raw Water Line Plan and Profile
- 22-25 Storm Water Management Plans

VICINITY MAP



*Public Works  
Engineering Division*

NOTE: NOTIFY AFFECTED UTILITY VENDORS 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES.

REVISION	DESCRIPTION	DATE
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		



**Know what's below.  
Call before you dig.**

### ABBREVIATIONS

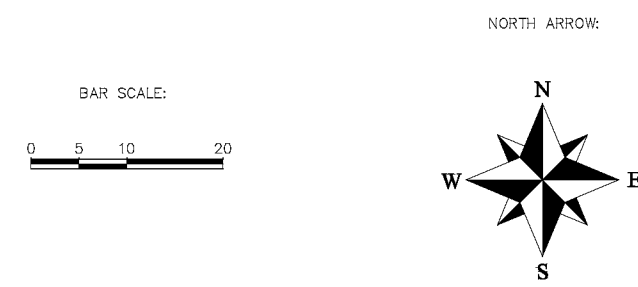
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOV	BACK OF VALVE
BOR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,& SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CJ	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
FL	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
Δ	DELTA ANGLE

### LEGEND

BSWMP	-----	PROPOSED CONCRETE CURB AND GUTTER	=====
DRAINAGE BASIN BOUNDARY	-----	PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	=====
BSWMP	ASB ASB ASB ASB ASB ASB ASB	PROPOSED CONCRETE SIDEWALK	=====
ANCHORED STRAW BALES	ASB ASB ASB ASB ASB ASB ASB	PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	8" PVC SANITARY SEWER
BSWMP	SF SF SF SF SF SF SF	ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
SILT FENCE	SF SF SF SF SF SF SF		
BUILDING		RAIL ROAD	
CONCRETE CURB AND GUTTER	2' CURB AND GUTTER	RETAINING WALL	1' RETAINING WALL
CONCRETE CURB, GUTTER, & SIDEWALK	7' C, G, & SW	STRIPING (CONTINUOUS WHITE)	WHITE
CONCRETE DITCH	CONCRETE	STRIPING (DASHED WHITE)	WHITE
CONCRETE SIDEWALK	4' SW	STRIPING (CONTINUOUS YELLOW)	YELLOW
CULVERT	18" RCP	STRIPING (DASHED YELLOW)	YELLOW
EARTH DITCH	EARTH . . . EARTH . . . EARTH . . .	TOP OF SLOPE	
EDGE OF GRAVEL	-----	CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	4580
EDGE OF PAVEMENT	-----	TOE OF SLOPE	4570
FENCE (HT & MATL NOTED)	6' CHAINLINK	TRAFFIC DETECTOR LOOP	
GUARD RAIL	-----	UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	ABANDONED 8" W
HATCHING: INDICATES ASPHALT REMOVAL		UTILITY LINE (CABLE TV)	TV TV
HATCHING: INDICATES CONCRETE REMOVAL		UTILITY LINE (ELECTRIC)	E E
HATCHING: INDICATES STAGING AREA	~STAGING AREA~	UTILITY LINE (FIBER OPTIC)	FO OPTIC FO
LINE (CENTER OF IMPROVEMENTS)	CENTERLINE	UTILITY LINE (GAS)	G 1 1/2" MW G
LINE (CITY LIMITS)	CITY LIMITS	UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	HVGP
LINE (CONTROL)	CONTROL LINE	UTILITY LINE (OVERHEAD POWER)	OHP
LINE (EASEMENT)	-----	UTILITY LINE (OVERHEAD TELEPHONE)	OHT
LINE (MONUMENT/SECTION)	MONUMENT/SECTION LINE	UTILITY LINE (SANITARY SEWER)	8" SAN
LINE (PROPERTY)	-----	UTILITY LINE (SANITARY SEWER FORCE MAIN)	8" FM
LINE (RIGHT OF WAY)	-----	UTILITY LINE (SANITARY SEWER SERVICE)	SS
MATCH LINE	MATCH LINE	UTILITY LINE (STORM SEWER)	8" STM
PIPE (IRRIGATION)	4" IRR	UTILITY LINE (STORM SEWER, PERFORATED)	8" PERF
PIPE (SIPHON)	4" SIPHON	UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	18" COMB
		UTILITY LINE (TELEPHONE)	T T
		UTILITY LINE (WATER)	8" W 8" W

### SYMBOLS

BENCH MARK	
CATCH BASIN	
CLEAN OUT	
CURB STOP	
FIRE HYDRANT	
GUY WIRE ANCHOR	
HEADGATE	
IRRIGATION PUMP	
MAILBOX	
MANHOLE (ELECTRIC)	
MANHOLE (GAS)	
MANHOLE (SANITARY/STORM)	
MANHOLE (TELEPHONE)	
MANHOLE (WATER)	
METER (GAS)	
METER (WATER)	
PEDESTAL (TELEPHONE)	
PEDESTAL (TV)	
PROPERTY PIN	
PULL BOX	
REDUCER FITTING	
SIGN OR POST (SIGN TYPE NOTED)	
SPRINKLER HEAD	
STREET LIGHT	
SURVEY MONUMENT (CITY)	
SURVEY MONUMENT (TYPE NOTED)	
TEST HOLE	
TRAFFIC PAINT MARKING	
TRAFFIC SIGNAL POLE AND MAST ARM	
UTILITY POLE	
VALVE (GAS)	
VALVE (IRRIGATION)	
VALVE (WATER)	
VEGETATION (HEDGE OR BUSH)	
VEGETATION (TREE STUMP)	
VEGETATION (TREE) (CALIPER SIZE NOTED)	
WATER HYDRANT	
WEIR	
YARD LIGHT	



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1	REV 1	-- DATE	WC	2023
REVISION 2	REV 2	-- DATE	WC	2023
REVISION 3	REV 3	-- DATE	WC	2023
REVISION 4	REV 4	-- DATE	WC	2023

SEE PLAN FOR SCALE INFO



PUBLIC WORKS ENGINEERING DIVISION  
PROJECT NO. G2202

DOS RIOS TO RIVERSIDE RAW WATER LINE  
STANDARD ABBREVIATIONS LEGENDS AND SYMBOLS  
October 4, 2023

N:\ENGR\G2202 (RAW WATERLINE DOS RIOS NORTH)\G2202\DESIGN\STANDARD ABBREVIATIONS LEGENDS AND SYMBOLS.DWG - PLOTTED 10/4/2023 12:47:56 PM

### Bid Schedule: Dos Rios to Riverside Raw Water Line

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
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12	108.3	4"x2" Reducer (Epoxy Coated)	2.	EA	\$ _____	\$ _____
13	108.3	8"x4" Reducer (Epoxy Coated)	1.	EA	\$ _____	\$ _____
14	108.7	Granular Stabilization Material (Type B) (As Directed by Engineer)	15.	Ton	\$ _____	\$ _____
15	203	Disposal of Radioactive Materials (Dispose at City Shops, 333 West Ave.)	10.	CY	\$ _____	\$ _____
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MCR		Minor Contract Revisions	---	---	---	\$ 15,000.00

**Bid Amount:** \$ \_\_\_\_\_

**Bid Amount:** \_\_\_\_\_

dollars



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REVISION	REV 4		---			

NO SCALE

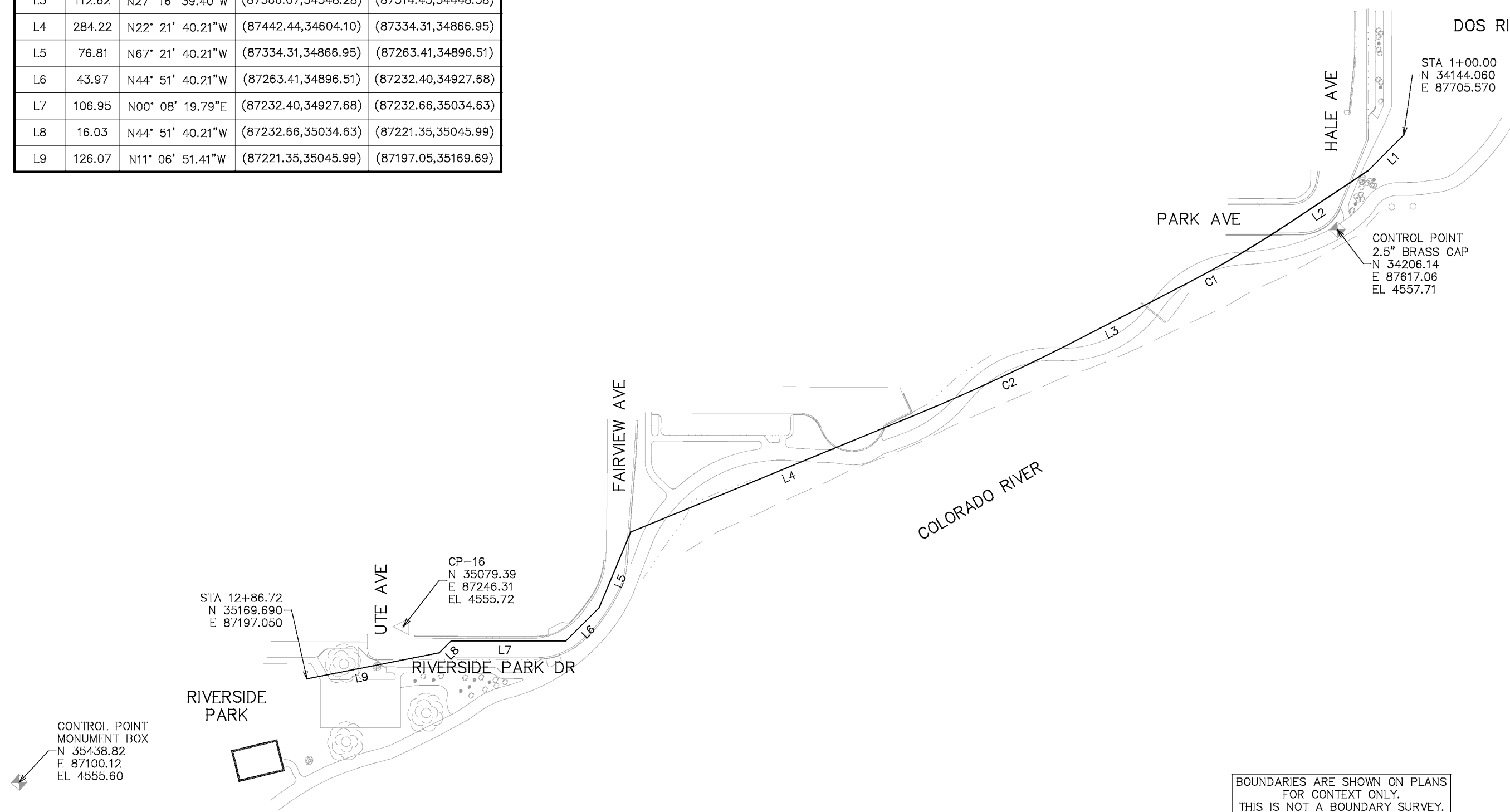
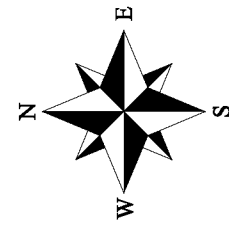


**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
SUMMARY OF APPROXIMATE QUANTITIES  
October 4, 2023**

LINE TABLE				
LINE #	LENGTH	DIRECTION	START POINT	END POINT
L1	47.37	N44° 51' 28.46"W	(87705.57,34144.06)	(87672.16,34177.64)
L2	90.58	N33° 36' 28.46"W	(87672.16,34177.64)	(87622.02,34253.08)
L3	112.62	N27° 16' 39.40"W	(87566.07,34348.28)	(87514.45,34448.38)
L4	284.22	N22° 21' 40.21"W	(87442.44,34604.10)	(87334.31,34866.95)
L5	76.81	N67° 21' 40.21"W	(87334.31,34866.95)	(87263.41,34896.51)
L6	43.97	N44° 51' 40.21"W	(87263.41,34896.51)	(87232.40,34927.68)
L7	106.95	N00° 08' 19.79"E	(87232.40,34927.68)	(87232.66,35034.63)
L8	16.03	N44° 51' 40.21"W	(87232.66,35034.63)	(87221.35,35045.99)
L9	126.07	N11° 06' 51.41"W	(87221.35,35045.99)	(87197.05,35169.69)

CURVE TABLE					
CURVE #	RADIUS	LENGTH	CHORD DIRECTION	START POINT	END POINT
C1	1000.00	110.48	N30° 26' 33.93"W	(87622.02,34253.08)	(87566.07,34348.28)
C2	2000.00	171.62	N24° 49' 09.80"W	(87514.45,34448.38)	(87442.44,34604.10)



BOUNDARIES ARE SHOWN ON PLANS FOR CONTEXT ONLY. THIS IS NOT A BOUNDARY SURVEY.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REV 1			WC	2023	0 25 50 100
REV 2			WC	2023	
REV 3			WC	2023	
REV 4			WC	2023	



**PUBLIC WORKS ENGINEERING DIVISION**  
PROJECT NO. G2202

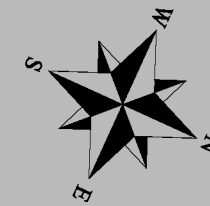
**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
PROJECT CONTROL MAP  
October 4, 2023

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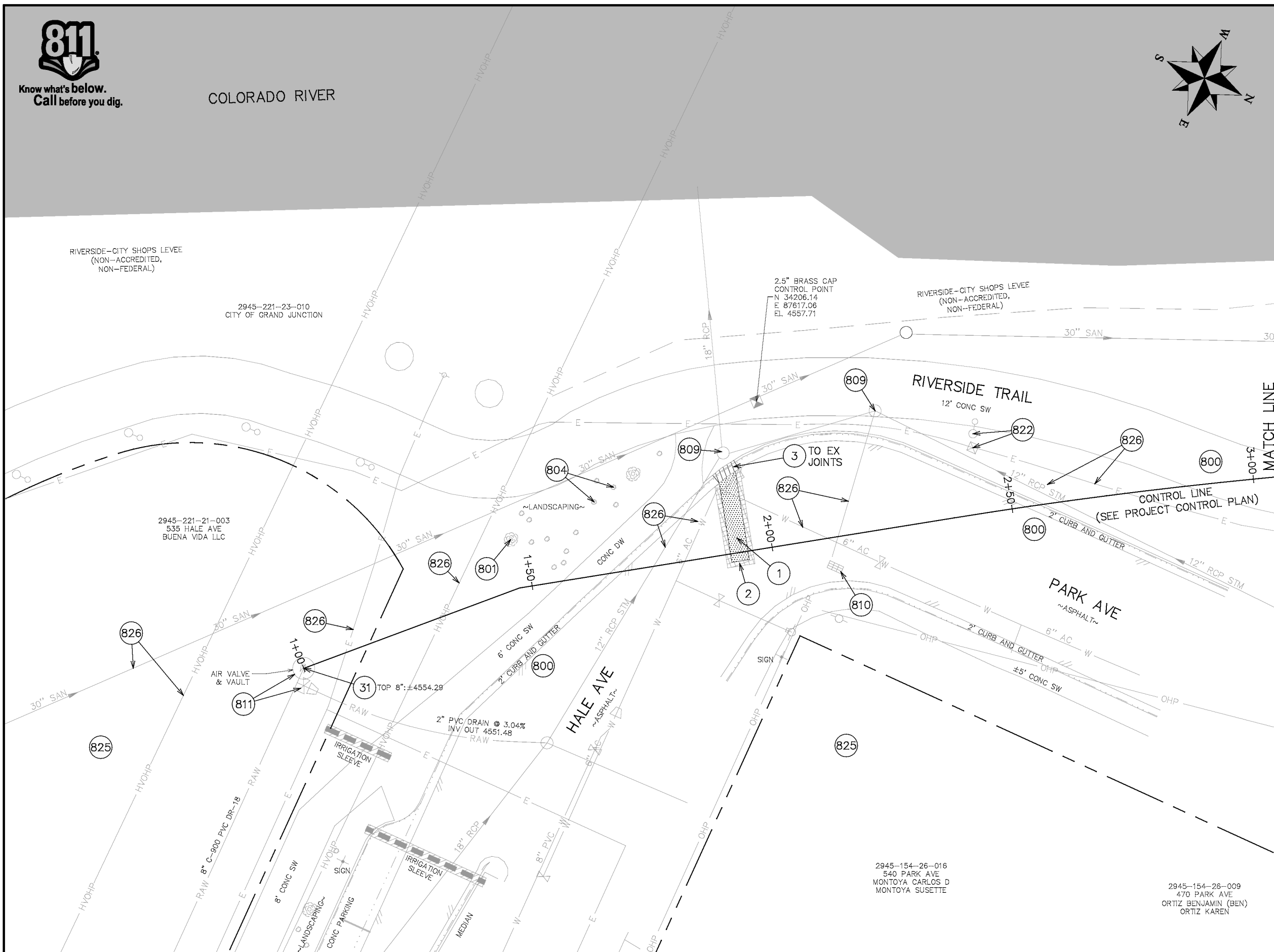
COLORADO RIVER



**DRAWING NOTES**

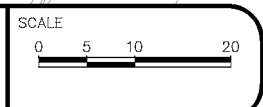
- 1 REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN (INDICATED BY DOT HATCH PATTERN). INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13.
- 2 REMOVAL OF ASPHALT MAT (PLANING) (2" DEPTH)(INDICATED BY CROSS HATCH PATTERN). INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13. ("T-TOP" REFER TO PAGE GU-03 OF THE STANDARD CONTRACT DOCUMENTS).
- 3 REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN (INDICATED BY HATCH PATTERN). INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS. INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13.
- 31 REMOVE EXISTING ELBOW. SALVAGE AND DELIVER TO CITY SHOPS. INCIDENTAL TO THE COST OF WATER LINE PIPE.
- 800 PROTECT CONCRETE FEATURE(S) IN PLACE AS SHOWN (TYP).
- 801 PROTECT TREE (TYP).
- 804 PROTECT SHRUB (TYP).
- 809 PROTECT MANHOLE (TYP).
- 810 PROTECT STORM DRAIN INLET (TYP).
- 811 PROTECT WATER VALVE (TYP).
- 822 PROTECT LIGHT POLE (TYP).
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS (TYP).
- 826 PROTECT EXISTING UTILITY LINE IN PLACE (TYP).

- HATCHING:  
INDICATES FULL DEPTH ASPHALT REMOVAL AT WATER LINE TRENCH
- HATCHING:  
INDICATES ASPHALT PLANING
- HATCHING:  
INDICATES CONCRETE REMOVAL



REVISION	DESCRIPTION	DATE
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		

DRAWN BY	WC	DATE	2023
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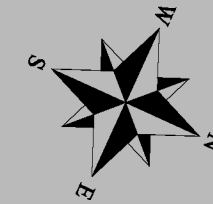
**PUBLIC WORKS ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE REMOVAL PLAN - 1 OF 5**  
October 4, 2023

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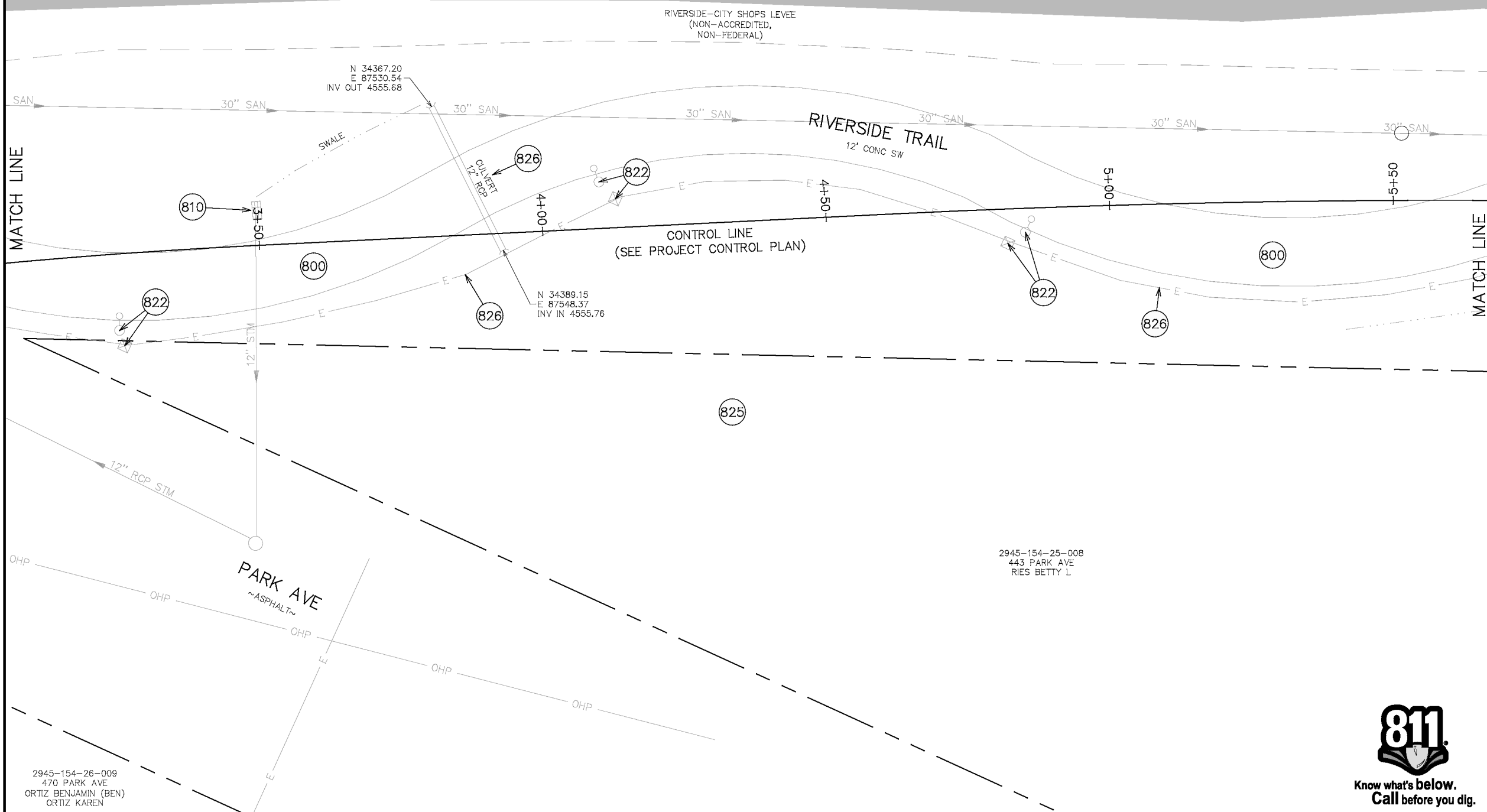
**DRAWING NOTES**

- 800 PROTECT CONCRETE FEATURE(S) IN PLACE AS SHOWN (TYP).
- 810 PROTECT STORM DRAIN INLET (TYP).
- 822 PROTECT LIGHT POLE (TYP).
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS (TYP).
- 826 PROTECT EXISTING UTILITY LINE IN PLACE (TYP).



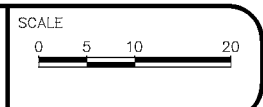
COLORADO RIVER

RIVERSIDE-CITY SHOPS LEVEE  
(NON-ACCREDITED,  
NON-FEDERAL)



REVISION	DESCRIPTION	DATE
REVISION $\Delta$ REV 1		
REVISION $\Delta$ REV 2		
REVISION $\Delta$ REV 3		
REVISION $\Delta$ REV 4		

DRAWN BY	WC	DATE	2023
DESIGNED BY	WC	DATE	2023
CHECKED BY	WC	DATE	2023
APPROVED BY	WC	DATE	2023



**PUBLIC WORKS  
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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
REMOVAL PLAN - 2 OF 5**  
October 4, 2023

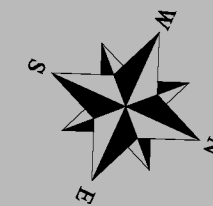


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**DRAWING NOTES**

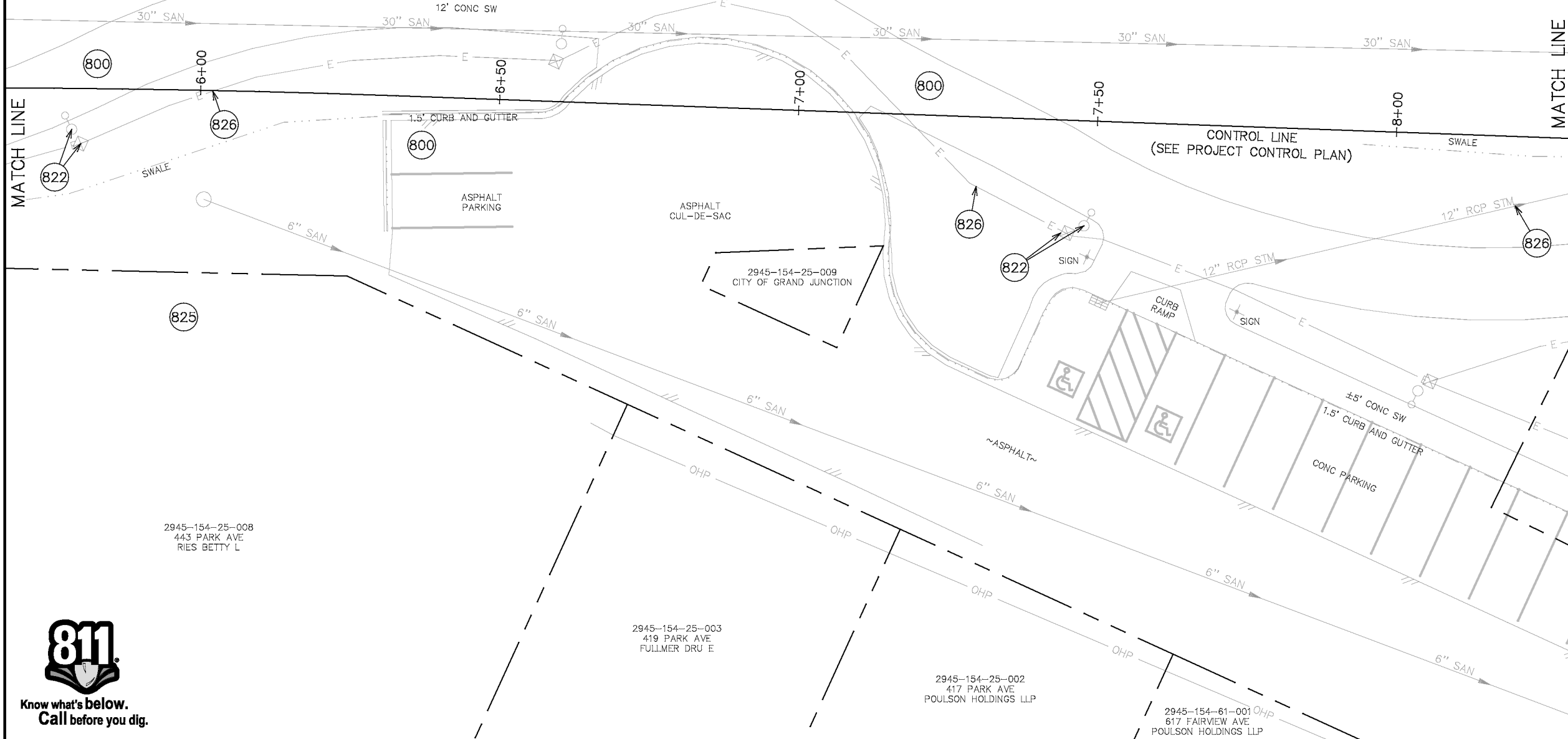
- 800 PROTECT CONCRETE FEATURE(S) IN PLACE AS SHOWN (TYP).
- 822 PROTECT LIGHT POLE (TYP).
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS (TYP).
- 826 PROTECT EXISTING UTILITY LINE IN PLACE (TYP).



COLORADO RIVER

RIVERSIDE-CITY SHOPS LEVEE  
(NON-ACCREDITED,  
NON-FEDERAL)

RIVERSIDE TRAIL  
12' CONC SW



2945-154-25-008  
443 PARK AVE  
RIES BETTY L

2945-154-25-003  
419 PARK AVE  
FULLMER DRU E

2945-154-25-002  
417 PARK AVE  
POULSON HOLDINGS LLP

2945-154-61-001  
617 FAIRVIEW AVE  
POULSON HOLDINGS LLP

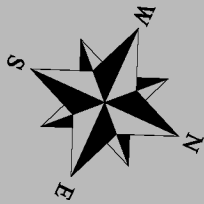


**PUBLIC WORKS  
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PROJECT NO. G2202

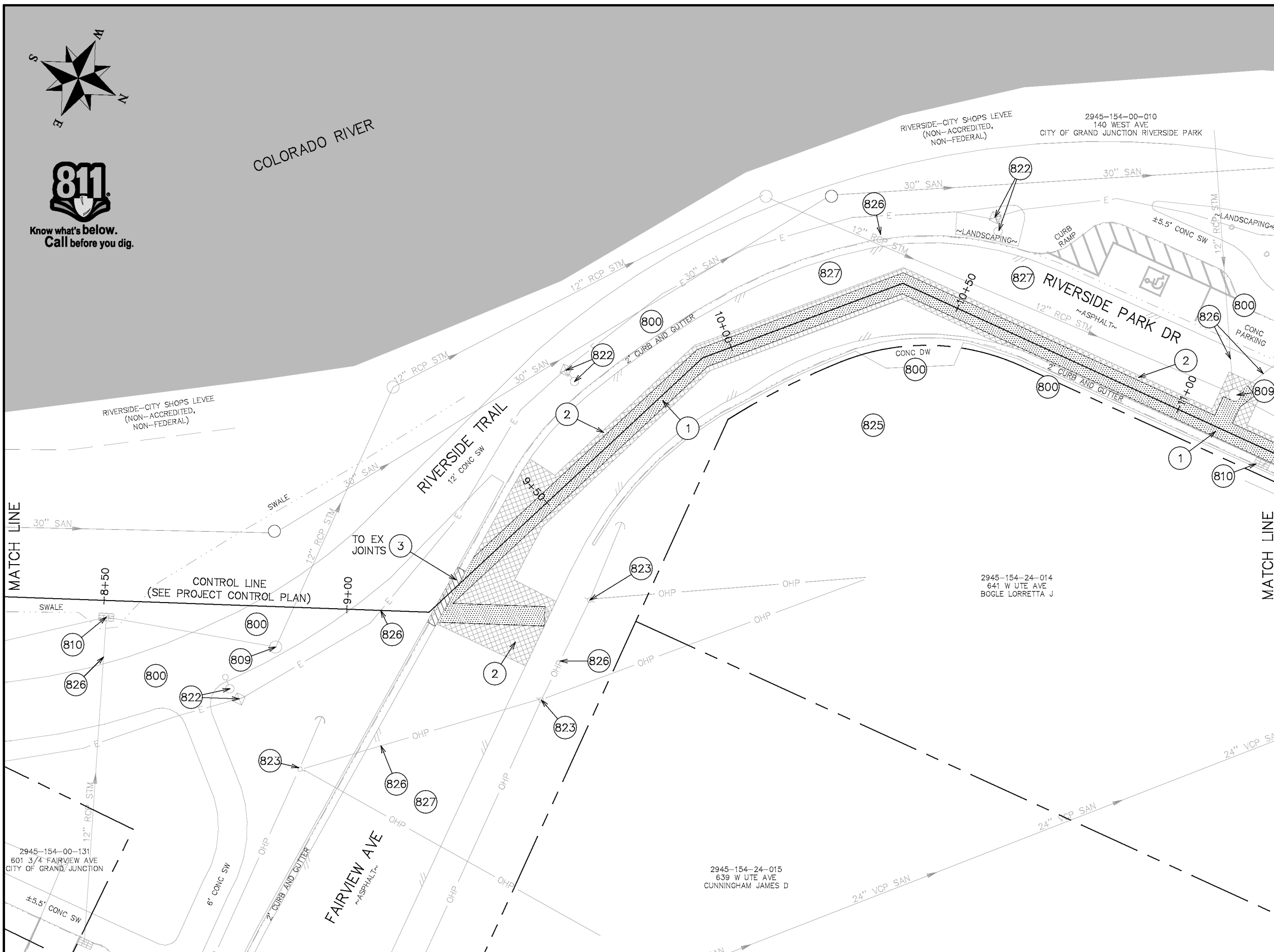
**DOS RIOS TO RIVERSIDE RAW WATER LINE  
REMOVAL PLAN - 3 OF 5**  
October 4, 2023

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION 2			WC	2023	
REVISION 3			WC	2023	
REVISION 4			WC	2023	



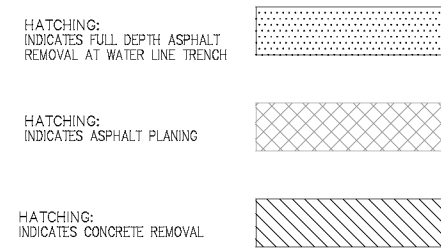


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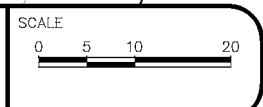
**DRAWING NOTES**

- 1 REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN (INDICATED BY DOT HATCH PATTERN). INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13.
- 2 REMOVAL OF ASPHALT MAT (PLANING) (2" DEPTH)(INDICATED BY CROSS HATCH PATTERN). INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13. ("T-TOP" REFER TO PAGE GU-03 OF THE STANDARD CONTRACT DOCUMENTS).
- 3 REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN (INDICATED BY HATCH PATTERN). INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS. INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13.
- 800 PROTECT CONCRETE FEATURE(S) IN PLACE AS SHOWN (TYP).
- 809 PROTECT MANHOLE (TYP).
- 810 PROTECT STORM DRAIN INLET (TYP).
- 822 PROTECT LIGHT POLE (TYP).
- 823 PROTECT UTILITY POLE (TYP).
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS (TYP).
- 826 PROTECT EXISTING UTILITY LINE IN PLACE (TYP).
- 827 PROTECT STREET (TYP).



REVISION	DESCRIPTION	DATE
REVISION 1	REV 1	- DATE
REVISION 2	REV 2	- DATE
REVISION 3	REV 3	- DATE
REVISION 4	REV 4	- DATE

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DESIGNED BY	WC	DATE	2023
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APPROVED BY	WC	DATE	2023



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PROJECT NO. G2202

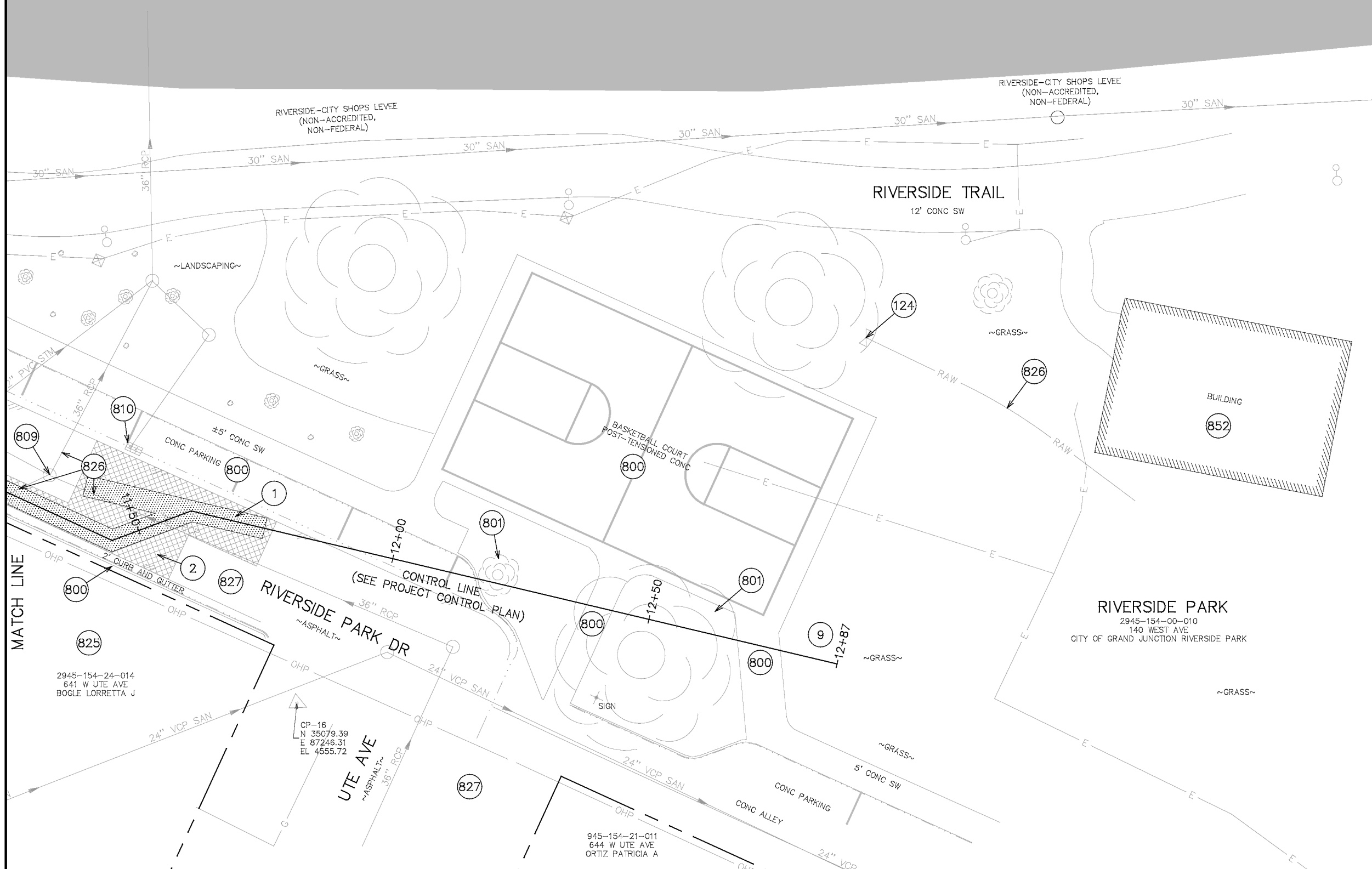
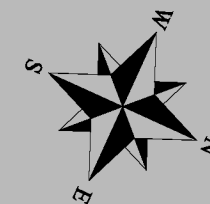
**DOS RIOS TO RIVERSIDE RAW WATER LINE REMOVAL PLAN - 4 OF 5**  
October 4, 2023

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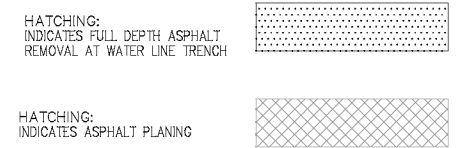
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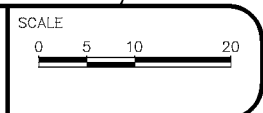


**DRAWING NOTES**

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- 2 REMOVAL OF ASPHALT MAT (PLANING) (2" DEPTH)(INDICATED BY CROSS HATCH PATTERN). INCIDENTAL TO COST OF WATER LINE PIPE PER SECTION 108.13. ("T-TOP" REFER TO PAGE CU-03 OF THE STANDARD CONTRACT DOCUMENTS).
- 9 SALVAGE SOD AT DISTURBED AREAS AND STOCKPILE FOR REUSE. PROVIDE WATER AS NECESSARY, DO NOT OVERWATER. INCLUDED IN THE COST OF SOD.
- 124 RESET IRRIGATION VALVE. INCIDENTAL TO THE COST OF WATER LINE PIPE.
- 800 PROTECT CONCRETE FEATURE(S) IN PLACE AS SHOWN.
- 801 PROTECT TREE (TYP).
- 809 PROTECT MANHOLE (TYP).
- 810 PROTECT STORM DRAIN INLET (TYP).
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS (TYP).
- 826 PROTECT EXISTING UTILITY LINE IN PLACE (TYP).
- 827 PROTECT STREET (TYP).
- 852 PROTECT BUILDING (TYP).



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			WC	2023
REVISION 2			WC	2023
REVISION 3			WC	2023
REVISION 4			WC	2023



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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE REMOVAL PLAN - 5 OF 5**  
October 4, 2023

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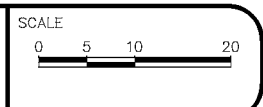
**UTILITY PLAN GENERAL NOTES**

1. THE PURPOSE OF THE UTILITY PLANS IS TO AID IN THE IDENTIFICATION AND RESOLUTION OF UTILITY CONFLICTS. UTILITY PLANS ARE NOT INTENDED TO CONVEY ALL OF THE INFORMATION REQUIRED TO RELOCATE OR CONSTRUCT THE EXISTING OR PROPOSED UTILITIES. REFER TO THE RELEVANT CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION.
2. THE UTILITY PLANS ARE ITERATIVE DOCUMENTS, CHANGING OVER TIME AS NEW DATA IS COLLECTED AND PROJECT DELIVERY PROGRESSES. RISK-BASED UTILITY QUALITY LEVELS MAY BE DEVELOPED AND DELIVERED IN ANY ORDER, OR CONTEMPORANEOUSLY, AS THE PROJECT PROGRESSES THROUGH PROJECT DELIVERY.
3. RISK-BASED QUALITY LEVEL DEFINITIONS FOR DEPICTED EXISTING UTILITIES ARE AS DEFINED BY ASCE 38-22:
  - 3.1. QUALITY LEVEL D (QL-D): A VALUE ASSIGNED TO A UTILITY SEGMENT OR UTILITY FEATURE NOT VISIBLE AT THE GROUND SURFACE WHOSE ESTIMATED POSITION IS JUDGED THROUGH UTILITY RECORDS, INFORMATION FROM OTHERS, OR FROM VISUAL CLUES SUCH AS PAVEMENT CUTS, OBVIOUS TRENCHES, OR EXISTENCE OF SERVICE. QL-D UTILITIES ARE NOT REFERENCED TO THE PROJECT SURVEY DATUM.
  - 3.2. QUALITY LEVEL C (QL-C): A VALUE ASSIGNED TO A UTILITY SEGMENT NOT VISIBLE AT THE GROUND SURFACE WHOSE ESTIMATED POSITION IS JUDGED THROUGH CORRELATING UTILITY RECORDS OR SIMILAR EVIDENCE TO UTILITY FEATURES, VISIBLE ABOVEGROUND AND/OR UNDERGROUND. QL-C UTILITIES ARE NOT REFERENCED TO THE SURVEY PROJECT DATUM.
  - 3.3. QUALITY LEVEL B (QL-B): A VALUE ASSIGNED TO UTILITY SEGMENT OR SUBSURFACE UTILITY FEATURE WHOSE EXISTENCE AND HORIZONTAL POSITION IS BASED ON GEOPHYSICAL METHODS COMBINED WITH PROFESSIONAL JUDGEMENT AND WHOSE LOCATION IS TIED TO THE PROJECT SURVEY DATUM. THE HORIZONTAL LOCATION OF UTILITY FACILITIES MUST BE RESOLVED WITH A TOLERANCE OF 0.2 FEET TO BE QL-B.
  - 3.4. QUALITY LEVEL A (QL-A): A VALUE ASSIGNED TO THAT PORTION (X-, Y-, AND Z-GEOMETRY) OF A UTILITY SEGMENT OR SUBSURFACE UTILITY FEATURE THAT IS DIRECTLY EXPOSED AND MEASURED AND WHOSE LOCATION AND DIMENSIONS ARE TIED TO THE PROJECT SURVEY DATUM. THE HORIZONTAL LOCATION OF UTILITY FACILITIES MUST BE RESOLVED WITH A TOLERANCE OF 0.2 FEET AND THE VERTICAL LOCATION OF UTILITY FACILITIES MUST BE RESOLVED WITH A TOLERANCE OF 0.1 FEET TO BE QL-A.
4. ALL DEPICTED UTILITIES ARE QL-D UNLESS NOTED.
5. SCOPE AND LIMITS OF SUBSURFACE UTILITY INVESTIGATION: UTILITY LOCATIONS CONFLICTING WITH PROPOSED UTILITIES, FINISHED GRADE, OR OTHER FEATURES AS IDENTIFIED ON THE UTILITY PLANS.
6. UTILITY FACILITIES HAVE NOT BEEN POTHOLED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, POTHOLE, AND PROTECT ALL UTILITY FACILITIES.
7. UTILITY FACILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. UTILITY FACILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS PLAN. UTILITY LOCATION AND NOTIFICATION OF THE UTILITY NOTIFICATION CENTER

- OF COLORADO (UNCC) MEMBER UTILITIES AND NON-MEMBER UTILITIES PRIOR TO CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY.
8. MORE THAN ONE OF THE SAME TYPE OF UTILITY MAY BE PRESENT AT LOCATIONS INDICATED.
  9. RELIANCE UPON UTILITY PLANS DURING BIDDING DOES NOT RELIEVE THE CONTRACTOR FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND PROCEDURES DURING EXCAVATION.
  10. FIELD SURVEY PERFORMED BY THE CITY OF GRAND JUNCTION WAS COMPLETED ON 06/22/2023 AND 08/22/2023. UTILITIES MAY HAVE BEEN CHANGED OR ADDED AFTER THIS DATE.
  11. SOIL GEOPHYSICAL QUALITIES AND COMMENTARY
    - 11.1. SOIL PROPERTIES:  
NRCS ESTIMATED CLAY CONTENT BY WEIGHT: 10%
    - 11.2. SURFACE CONDITIONS: GROUND COVER CONSISTS OF BARE EARTH, CONCRETE PAVING, ASPHALT PAVING, AND TURF GRASS. THE FIELD SURVEYS WERE PERFORMED DURING FAIR WEATHER.
  12. UTILITY LOCATING EQUIPMENT LIMITATIONS
    - 12.1. ELECTROMAGNETIC LINE LOCATING TECHNIQUES (CONDUCTION): THE SUCCESSFUL DETECTION OF UNDERGROUND UTILITIES IS DEPENDENT PRIMARILY UPON THE COMPOSITION AND CONSTRUCTION OF THE LINE OF INTEREST, AND DEPTH OF BURIAL. THE UTILITIES MUST BE EXPOSED AT THE SURFACE OR IN ACCESSIBLE UTILITY VAULTS CLOSE TO THE SURVEY AREA. UTILITIES THAT MAY NOT BE DETECTABLE USING THESE TECHNIQUES INCLUDE CERTAIN ABANDONED UTILITIES, UTILITIES NOT EXPOSED AT THE GROUND SURFACE, OR THOSE MADE OF NON-ELECTRICALLY CONDUCTIVE MATERIALS SUCH AS PVC, FIBERGLASS, VITRIFIED CLAY, AND METAL PIPES WITH INSULATING JOINTS. PIPES GENERALLY DEEPER THAN ABOUT FIVE FEET MAY NOT BE DETECTED.  
  
THE DETECTION OF UNDERGROUND UTILITIES USING THE CONDUCTION MODE IS ALSO DEPENDENT UPON THE PROXIMITY OF THOSE UTILITIES TO BENDS, TEES, CHANGES IN DEPTH, OTHER SUBSURFACE UTILITIES, AND/OR ABOVE GROUND CULTURAL OBJECTS. NEARBY BURIED UTILITIES CAN MASK OR DISTORT SIGNALS ASSOCIATED WITH THE UTILITY IN QUESTION. SHALLOW UTILITIES WILL GENERALLY PRODUCE A STRONGER RESPONSE THAN ADJACENT DEEPER UTILITIES AND WILL GENERALLY MASK EFFECTS FROM THE DEEPER UTILITIES. SUBSURFACE UTILITIES LOCATED BENEATH OR IN CLOSE PROXIMITY TO SURFACE METAL OBJECTS SUCH AS REBAR IN CONCRETE, RAILROAD SPURS, AND SURFACE PIPELINES ARE DIFFICULT TO ACCURATELY DETECT OR DELINEATE.
    - 12.1. ELECTROMAGNETIC LINE LOCATING TECHNIQUES (PASSIVE): THE ABILITY TO DETECT PASSIVE SIGNALS ASSOCIATED WITH 60 HZ ELECTRIC LINES IS DEPENDENT UPON CURRENT FLOWING THROUGH THE LINE. ENERGIZED ELECTRIC LINES MAY NOT BE DETECTED IF THE LOAD IS SWITCHED OFF, AND ARE STILL DANGEROUS IF CONTACTED DURING EXCAVATION.

- 12.2. METAL DETECTION TECHNIQUES (INDUCTION): THE DETECTION OF BURIED METAL UTILITIES, USING THE HANDHELD INDUCTION TECHNIQUE, IS DEPENDENT UPON THE SIZE OF THE UTILITY, ITS DEPTH OF BURIAL, AND ITS PROXIMITY TO ABOVE GROUND METAL OBJECTS. AS THE SIZE OR DIAMETER OF THE BURIED METAL UTILITY DECREASES, THE DEPTH AT WHICH IT CAN BE DETECTED ALSO DECREASES. A RELATIVELY LARGE UTILITY SUCH AS A CORRUGATED STEEL DRAIN LINE CAN BE DETECTED AT DEPTHS OF 3 TO 4 FEET. A SMALLER UTILITY, SUCH AS AN ELECTRIC LINE ASSOCIATED WITH STREET LIGHTS, MAY BE DETECTED ONLY AT DEPTHS OF 1 TO 2 FEET. THE ABILITY TO DETECT A BURIED METAL UTILITY IS ALSO BASED ON ITS PROXIMITY TO ABOVE GROUND METAL OBJECTS OR STRUCTURES. CULTURAL FEATURES SUCH AS CHAIN LINK FENCES, BUILDINGS, DEBRIS, RAILROAD SPURS, GUARD RAILS, AND OTHER UTILITIES MAY PRODUCE A RESPONSE THAT CAN MASK EFFECTS FROM THE NEARBY BURIED METAL UTILITY.  
  
THE SITE'S CLAY SOILS ARE UNSUITED FOR GPR. SIGNAL ATTENUATION DUE TO HIGH LEVELS OF SALTS, SULFATES, AND CARBONATES WILL BE SEVERE. SIGNAL ATTENUATION DUE TO WATER AND EXCHANGEABLE IONS WILL BE MODERATE.
- 12.3. GROUND PENETRATING RADAR (GPR): UTILITIES DETECTABLE WITH GPR TECHNIQUES INCLUDE BOTH METALLIC AND NONMETALLIC PIPES. THE ABILITY TO DETECT PIPES IS DEPENDENT ON SITE SPECIFIC CONDITIONS SUCH AS DEPTH OF BURIAL, DIAMETER OF THE PIPE, CONDITION OF THE PIPE, TYPE OF BACKFILL MATERIAL, AND SURFACE CONDITIONS OVER THE PIPE.
13. AREAS UNABLE TO BE INVESTIGATED: N/A
14. METHODS USED TO COLLECT AND DEPICT SUBSURFACE UTILITY INFORMATION: PIPE AND CABLE LOCATOR, TOTAL STATION, AUTODESK CIVIL 3D 2022.
15. SEE THE STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS FOR UTILITY LINE TYPE DEPICTIONS, UTILITY APPURTENANCES SYMBOLS, AND ABBREVIATIONS USED FOR THE UTILITY PLAN.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REVISION 3			WC	2023
REVISION 4			WC	2023



**PUBLIC WORKS  
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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
UTILITY PLAN - 1 OF 6  
October 4, 2023**

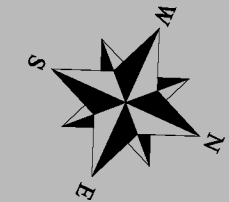


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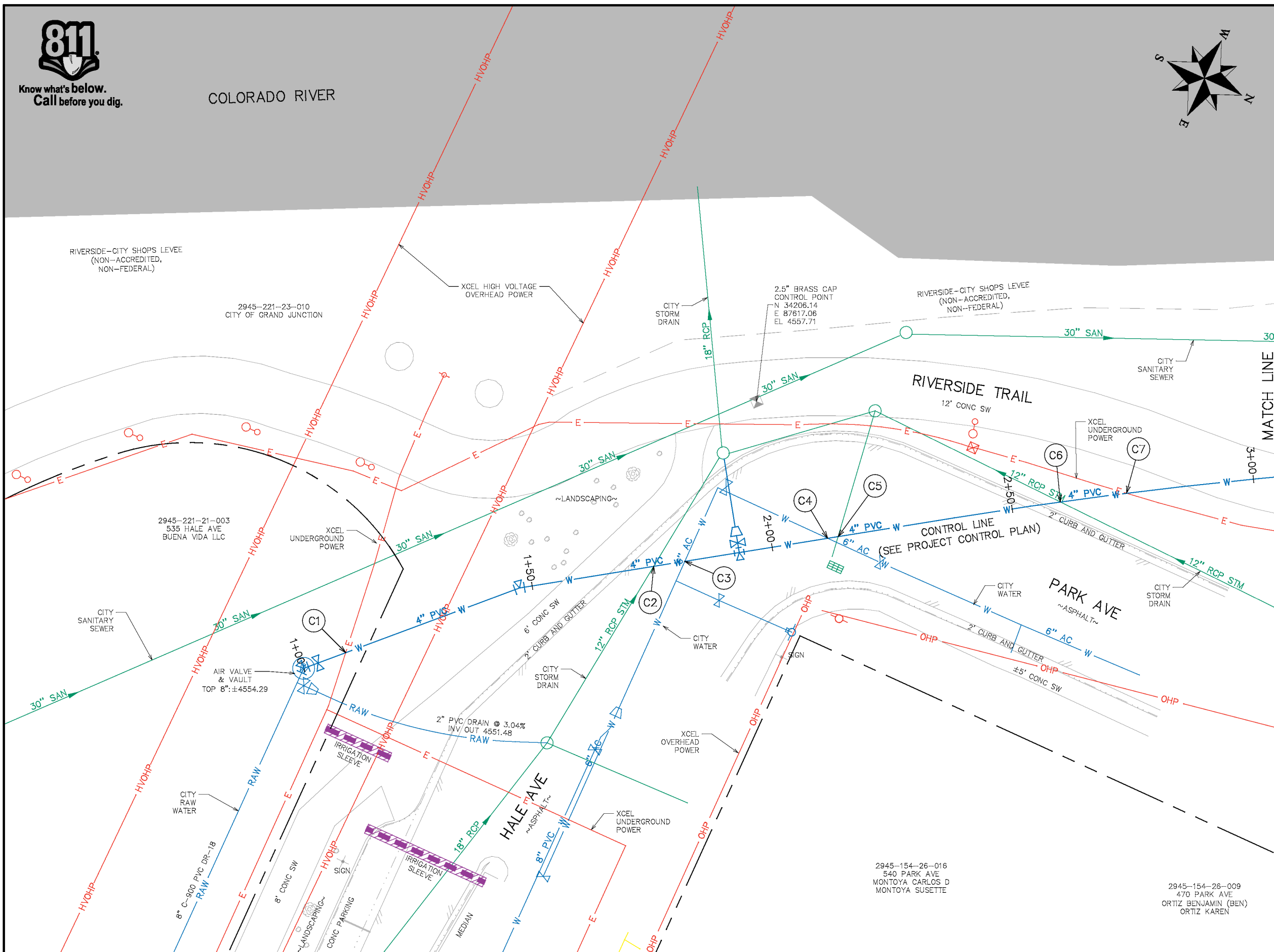
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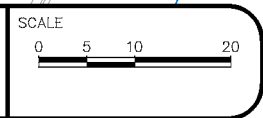
**DRAWING NOTES**

- (C1) PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.
- (C2) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (12" RCP), PROTECT IN PLACE.
- (C3) PROPOSED RAW WATER LINE CROSSES EXISTING WATER (6" AC), PROTECT IN PLACE.
- (C4) PROPOSED RAW WATER LINE CROSSES EXISTING WATER (6" AC), PROTECT IN PLACE.
- (C5) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (12" RCP), PROTECT IN PLACE.
- (C6) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (12" RCP), PROTECT IN PLACE.
- (C7) PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.



REVISION	DESCRIPTION	DATE
REVISION 1	REV 1	- DATE
REVISION 2	REV 2	- DATE
REVISION 3	REV 3	- DATE
REVISION 4	REV 4	- DATE

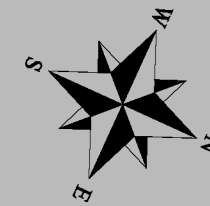
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PROJECT NO. G2202

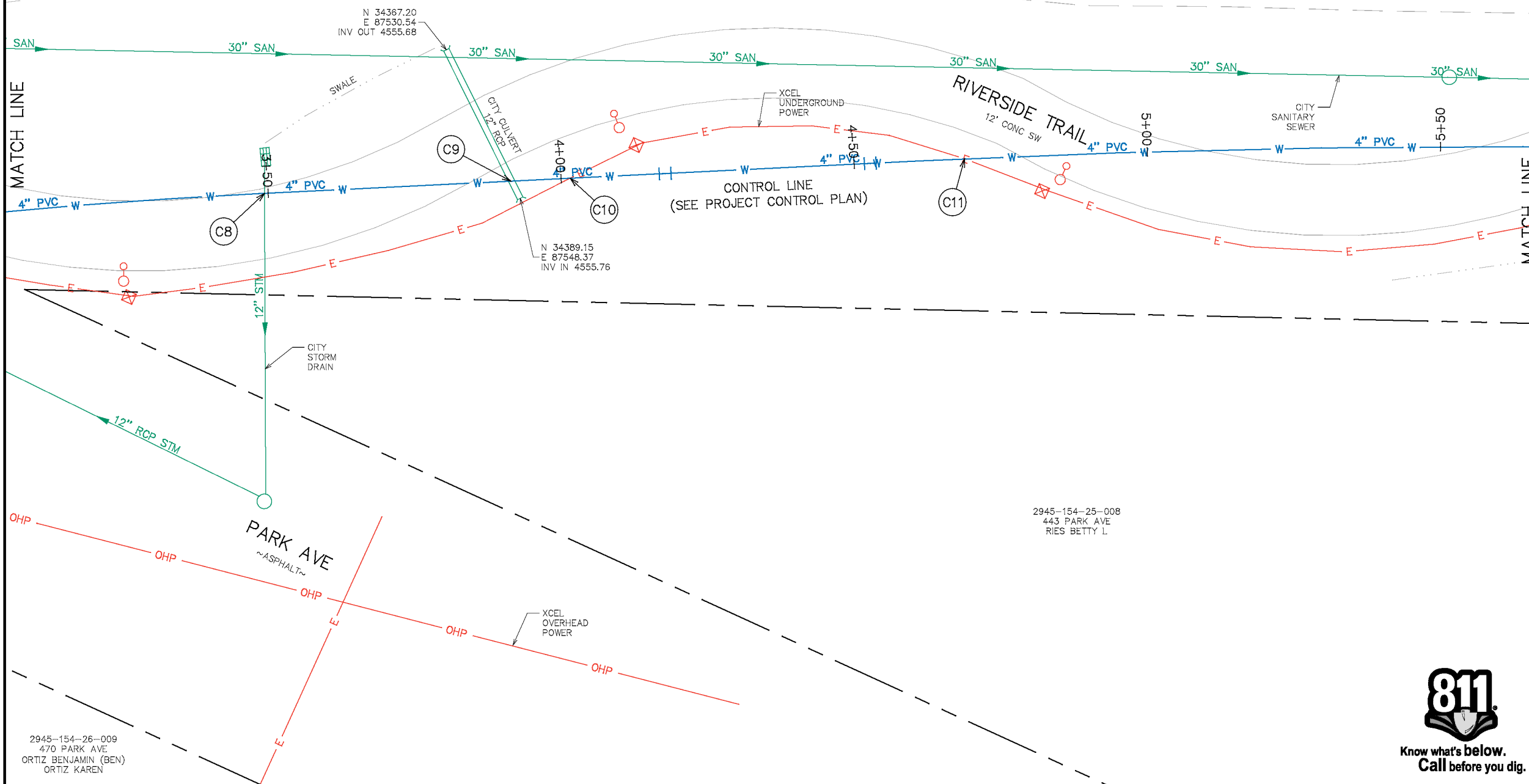
**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
UTILITY PLAN - 2 OF 6  
October 4, 2023

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COLORADO RIVER

RIVERSIDE-CITY SHOPS LEVEE  
(NON-ACCREDITED,  
NON-FEDERAL)



- DRAWING NOTES**
- (C8) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (12" RCP), PROTECT IN PLACE.
  - (C9) PROPOSED RAW WATER LINE CROSSES EXISTING CULVERT (12" RCP), PROTECT IN PLACE.
  - (C10) PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.
  - (C11) PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.

2945-154-26-009  
470 PARK AVE  
ORTIZ BENJAMIN (BEN)  
ORTIZ KAREN

2945-154-25-008  
443 PARK AVE  
RIES BETTY L



Know what's below.  
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION 1			WC	2023	0 5 10 20
REVISION 2			WC	2023	
REVISION 3			WC	2023	
REVISION 4			WC	2023	

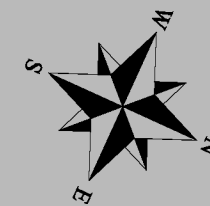


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ENGINEERING DIVISION**  
PROJECT NO. G2202

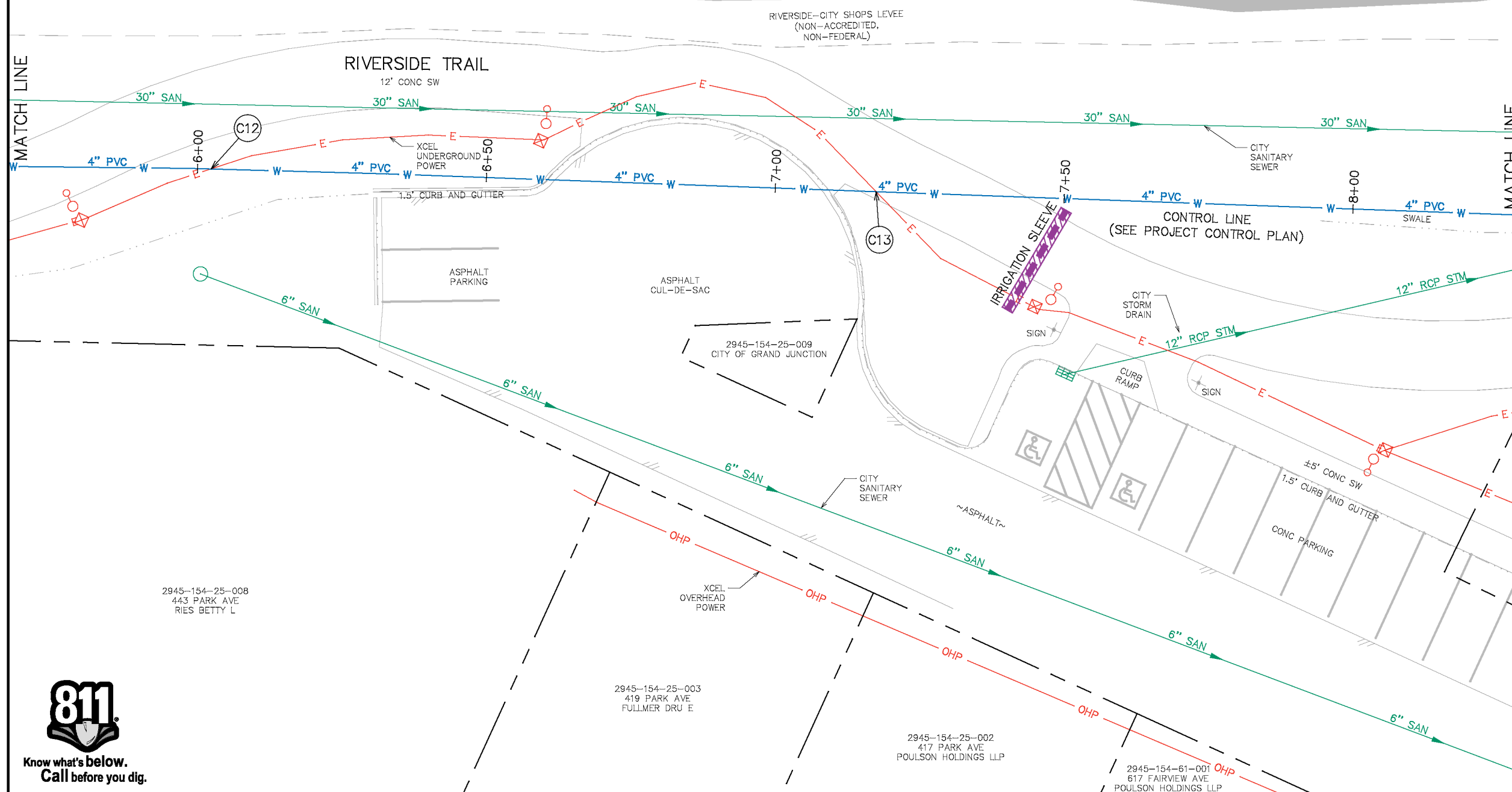
**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
UTILITY PLAN - 3 OF 6  
October 4, 2023

**DRAWING NOTES**

- C12 PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.
- C13 PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.

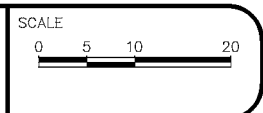


COLORADO RIVER



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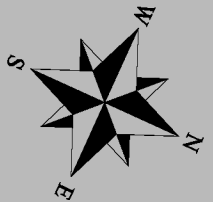
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REV 2			WC	2023
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REV 4			WC	2023



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**DOS RIOS TO RIVERSIDE RAW WATER LINE  
UTILITY PLAN - 4 OF 6  
October 4, 2023**

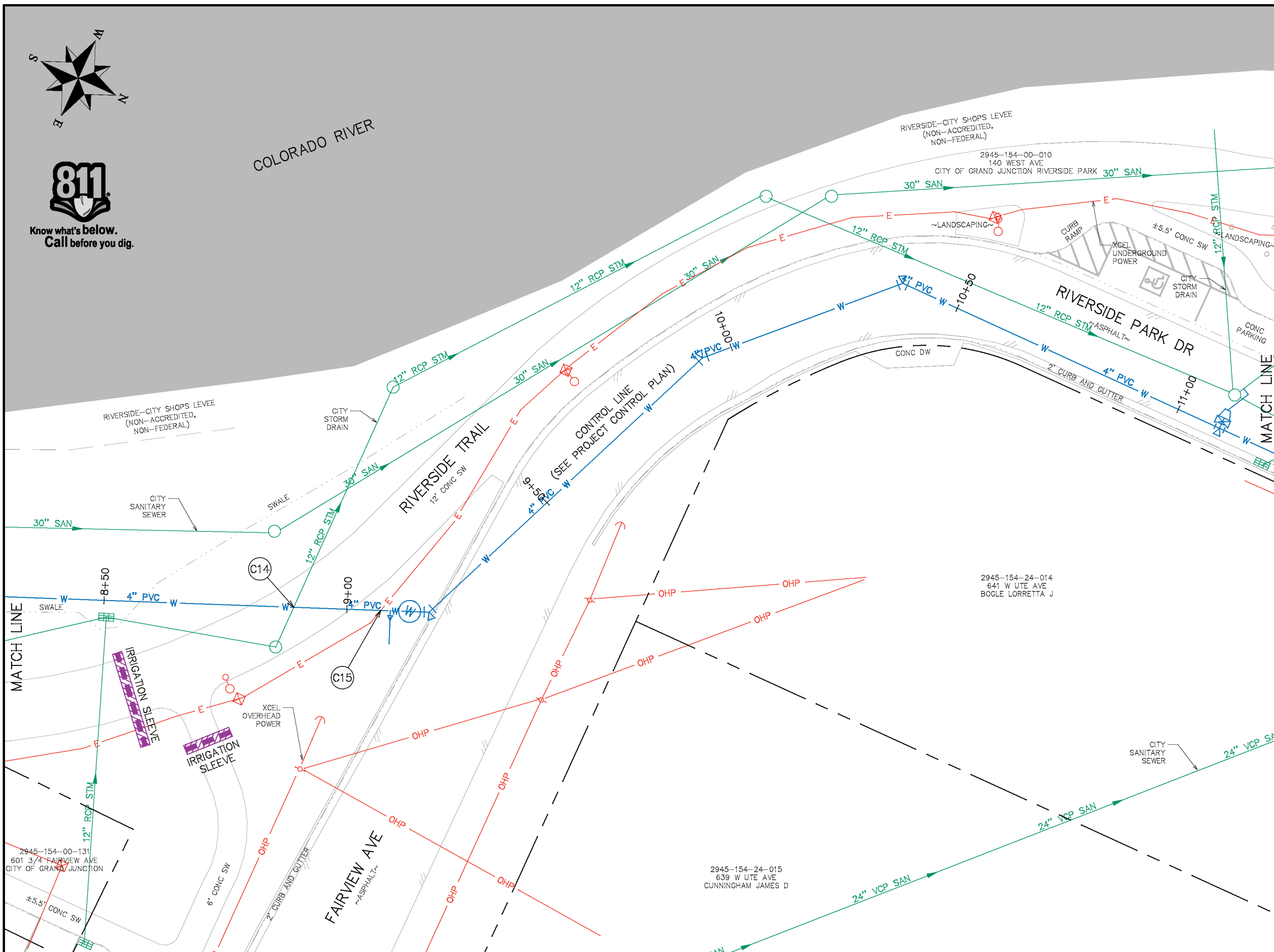
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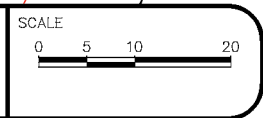
**DRAWING NOTES**

- C14 PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (12" RCP), PROTECT IN PLACE.
- C15 PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION 1			WC	2023
REVISION 2			WC	2023
REVISION 3			WC	2023
REVISION 4			WC	2023

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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
UTILITY PLAN - 5 OF 6  
October 4, 2023**

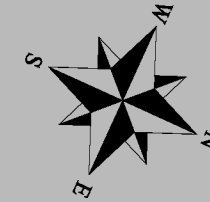
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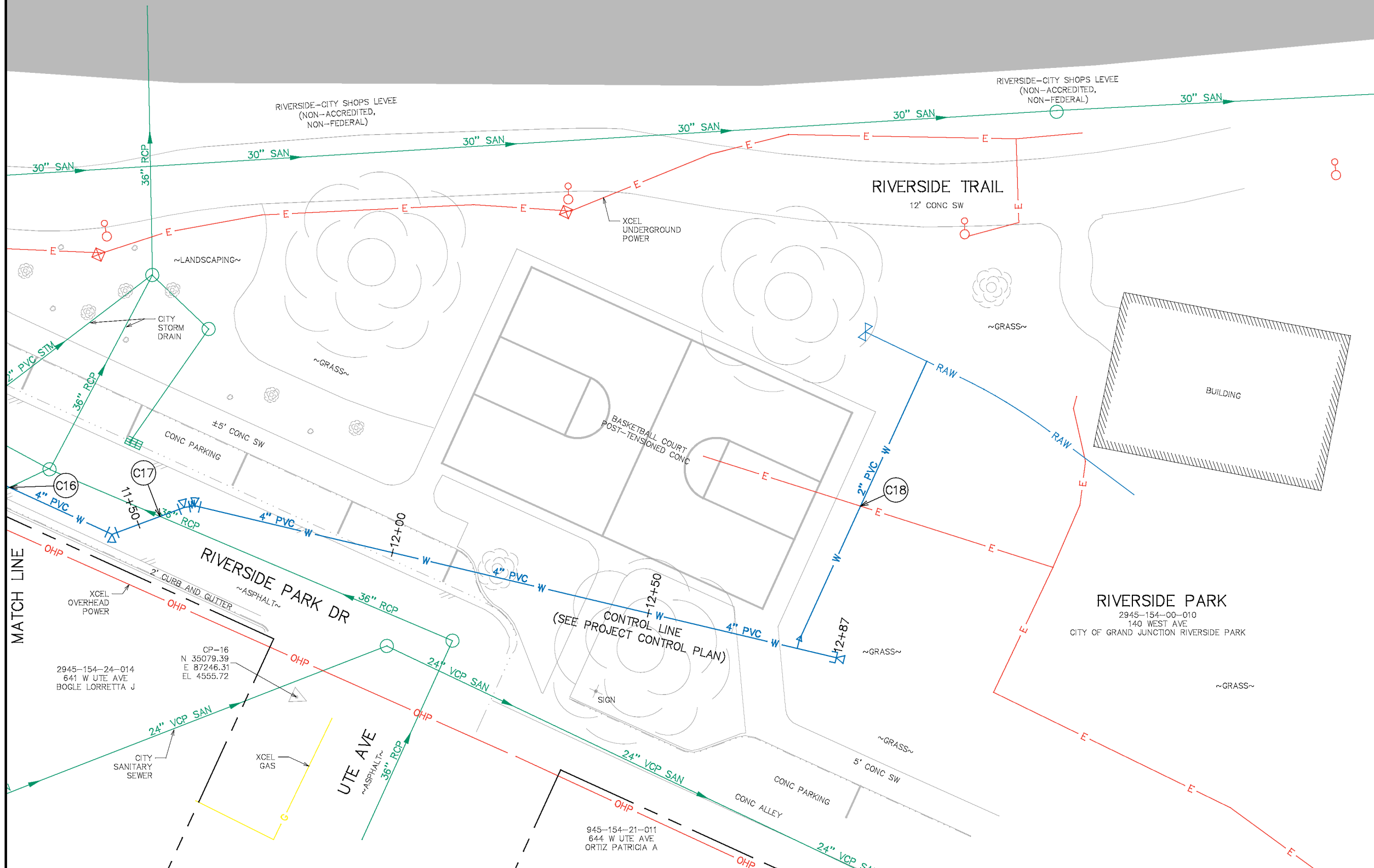
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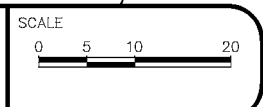
**DRAWING NOTES**

- (C16) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (18" RCP), PROTECT IN PLACE.
- (C17) PROPOSED RAW WATER LINE CROSSES EXISTING STORM DRAIN (36" RCP), PROTECT IN PLACE.
- (C18) PROPOSED RAW WATER LINE CROSSES EXISTING UNDERGROUND ELECTRIC (2" PVC), PROTECT IN PLACE.



REVISION	DESCRIPTION	DATE
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REVISION 2		
REVISION 3		
REVISION 4		

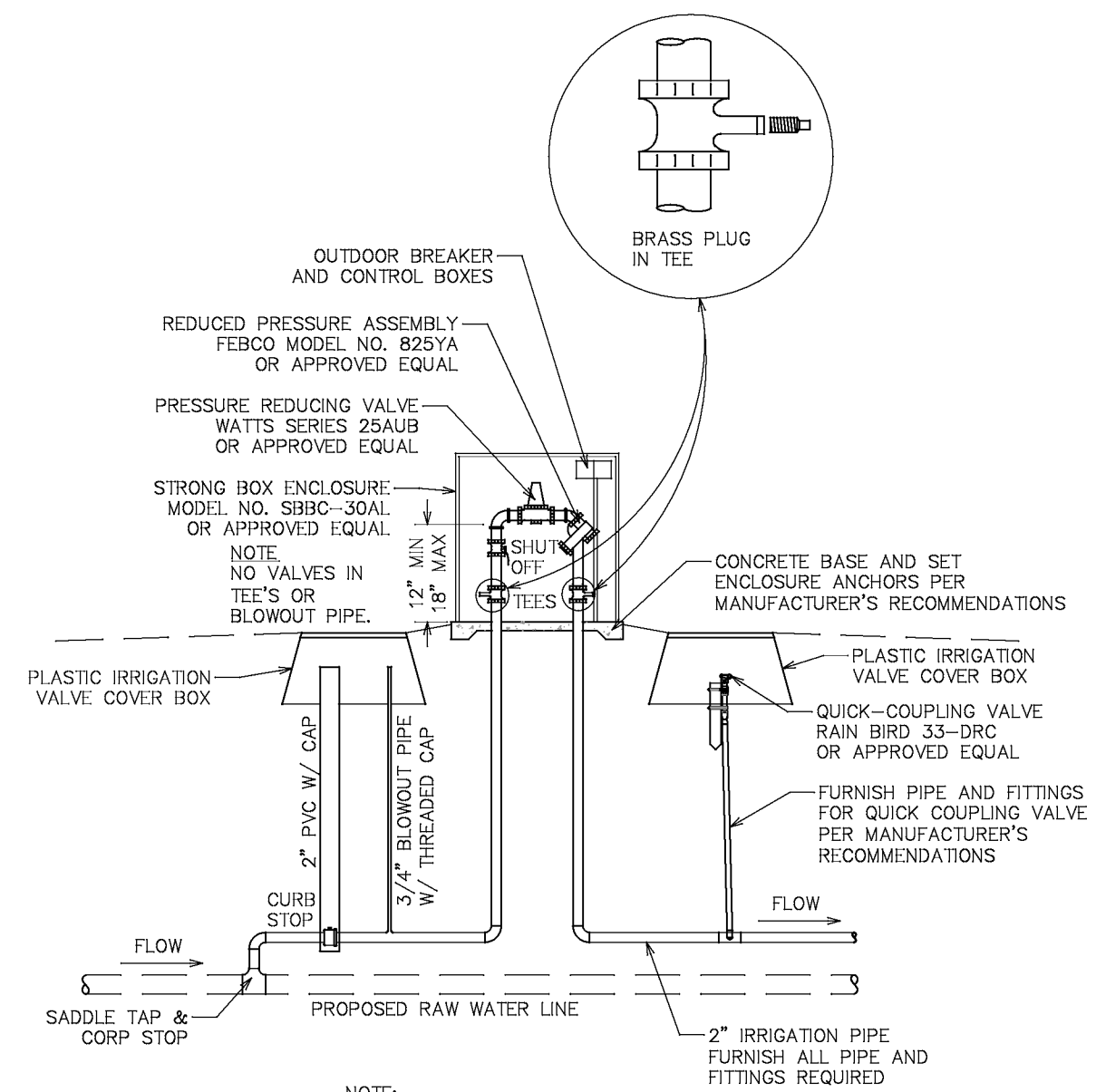
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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
UTILITY PLAN - 6 OF 6  
October 4, 2023

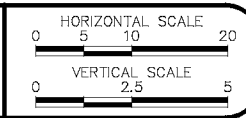
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NOTE:  
BREAKER BOX & CONTROL BOX  
MUST BE WEATHER PROOF AND  
MOUNTED ABOVE REDUCED PRESSURE ASSY.

**IRRIGATION TAP ASSEMBLY DETAIL**

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			WC	2023
REV 2			WC	2023
REV 3			WC	2023
REV 4			WC	2023

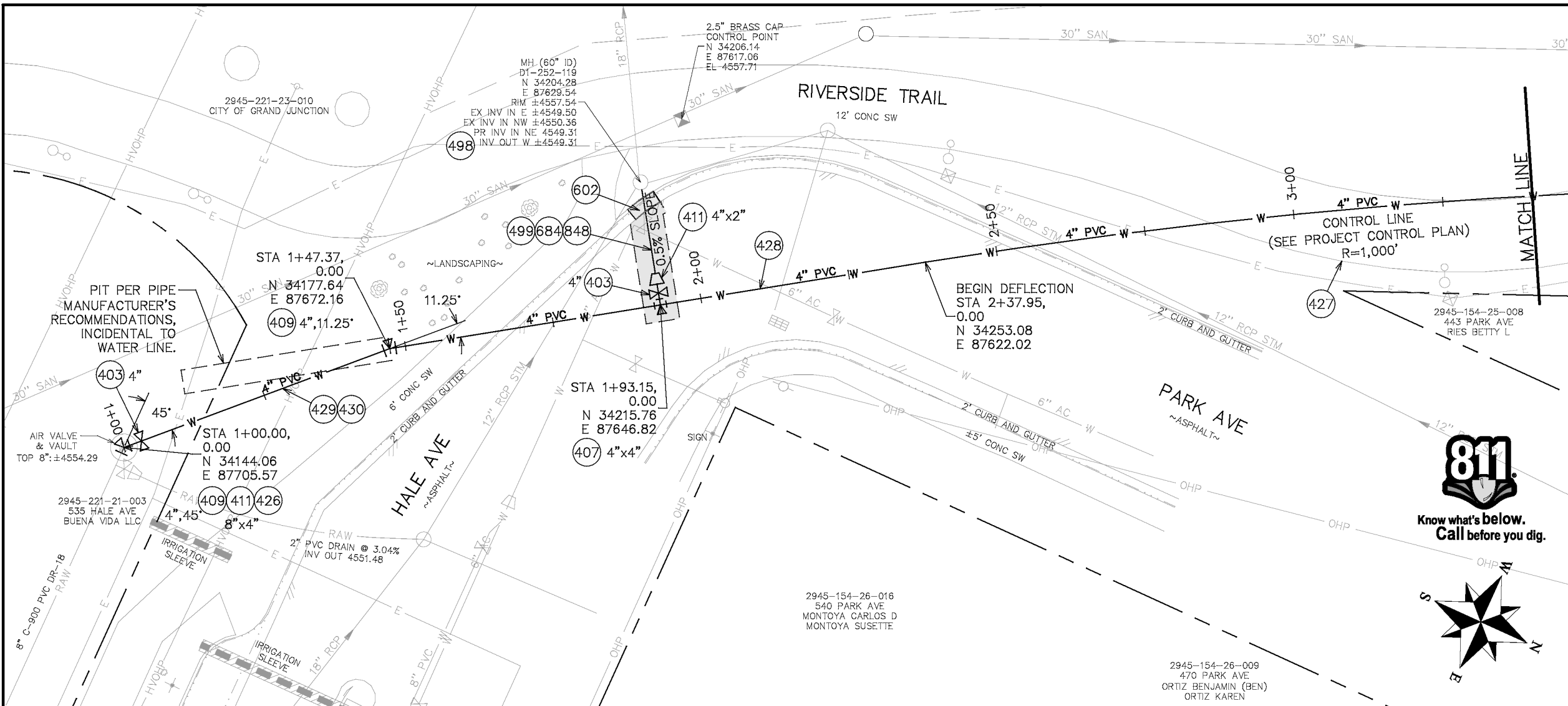


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PROJECT NO. G2202

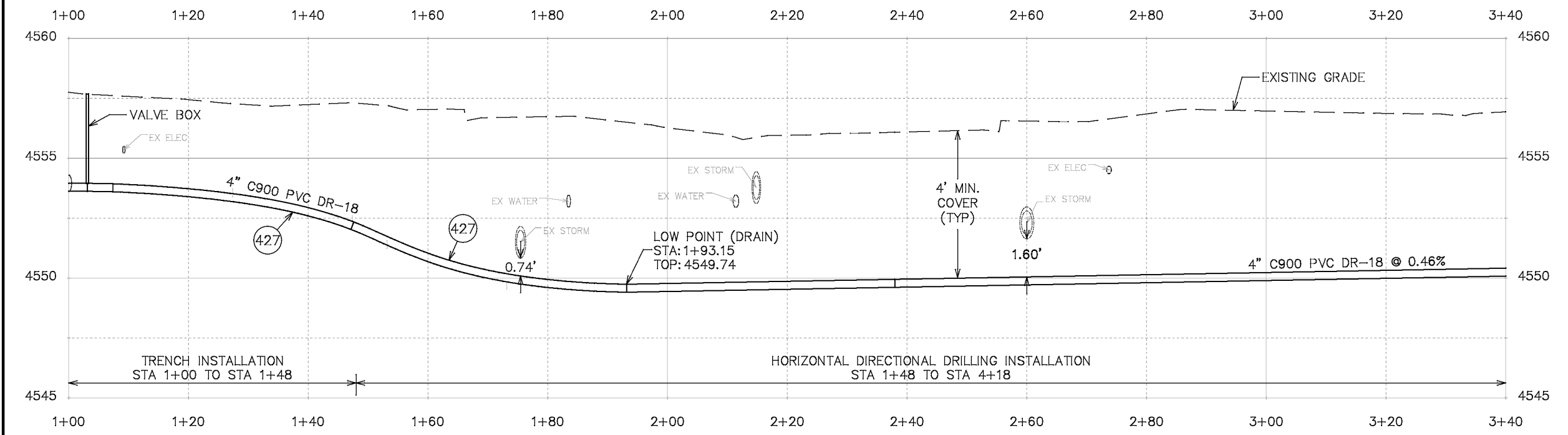
**DOS RIOS TO RIVERSIDE RAW WATER LINE  
RAW WATER LINE DETAILS**  
October 4, 2023



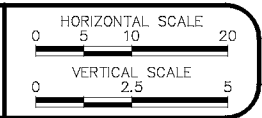
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- ### DRAWING NOTES
- 403 GATE VALVE. (SIZE AS SHOWN)
  - 407 TEE (SIZE AS SHOWN).
  - 409 ELBOW (SIZE AND ANGLE AS SHOWN).
  - 411 REDUCER (SIZE AS SHOWN).
  - 426 CONNECT TO EXISTING WATER PIPE/VALVE/FITTING. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE. ANY TEMPORARY END CAPS OR OTHER COMPONENTS FOR TESTING OR INTERIM CONDITIONS ARE INCIDENTAL TO THE COST OF WATER LINE PIPE.
  - 427 DEFLECT PIPE AS SHOWN.
  - 428 RAW WATER PIPE (4" C-900 PVC DR-18). INCLUDES TRACER WIRE. HORIZONTAL DIRECTIONAL DRILLING INSTALLATION STA 1+48 TO STA 4+18.
  - 429 RAW WATER PIPE (4" C-900 PVC DR-18). TRENCH INSTALLATION STA 1+00 TO STA 1+48. INCLUDES TYPE A BEDDING, HAUNCHING MATERIAL, TRACER WIRE, AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL. INCLUDES END CAP OR ANY OTHER TEMPORARY COMPONENTS REQUIRED FOR TESTING.
  - 430 ALL JOINTS, BENDS, TEES, FITTINGS, AND DEAD ENDS SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS AND MECHANICAL JOINT RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAILS W-08 AND W-08A.
  - 498 CONNECT TO EXISTING STORM MANHOLE (SEE CITY OF GRAND JUNCTION STANDARD DETAIL PAGE D-12). INCIDENTAL TO THE COST OF 2" PVC PIPE PER SECTION 108.13.
  - 499 DRAIN PIPE (SDR 26 PVC) (SIZE AS SHOWN ON PLAN) INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - 602 CONCRETE CURB AND GUTTER (2' WIDE).
  - 683 HOT BITUMINOUS PAVEMENT (5" THICK) (GRADING SX, BINDER GRADE PG 64-22) (3" BOTTOM LIFT, 2" TOP LIFT FOR T-TOP) -OVER- AGGREGATE BASE COURSE (CLASS 6) (13" THICK).
  - 848 ADDITIONAL INFORMATION REGARDING PAVEMENT PLACEMENT FOR "T-TOP": TOP PAVEMENT LIFT SHALL BE EXTENDED OUTSIDE PREVIOUS LIFT TO MILLED EDGE. (REFER TO PAGE GU-03 OF THE STANDARD CONTRACT DOCUMENTS).



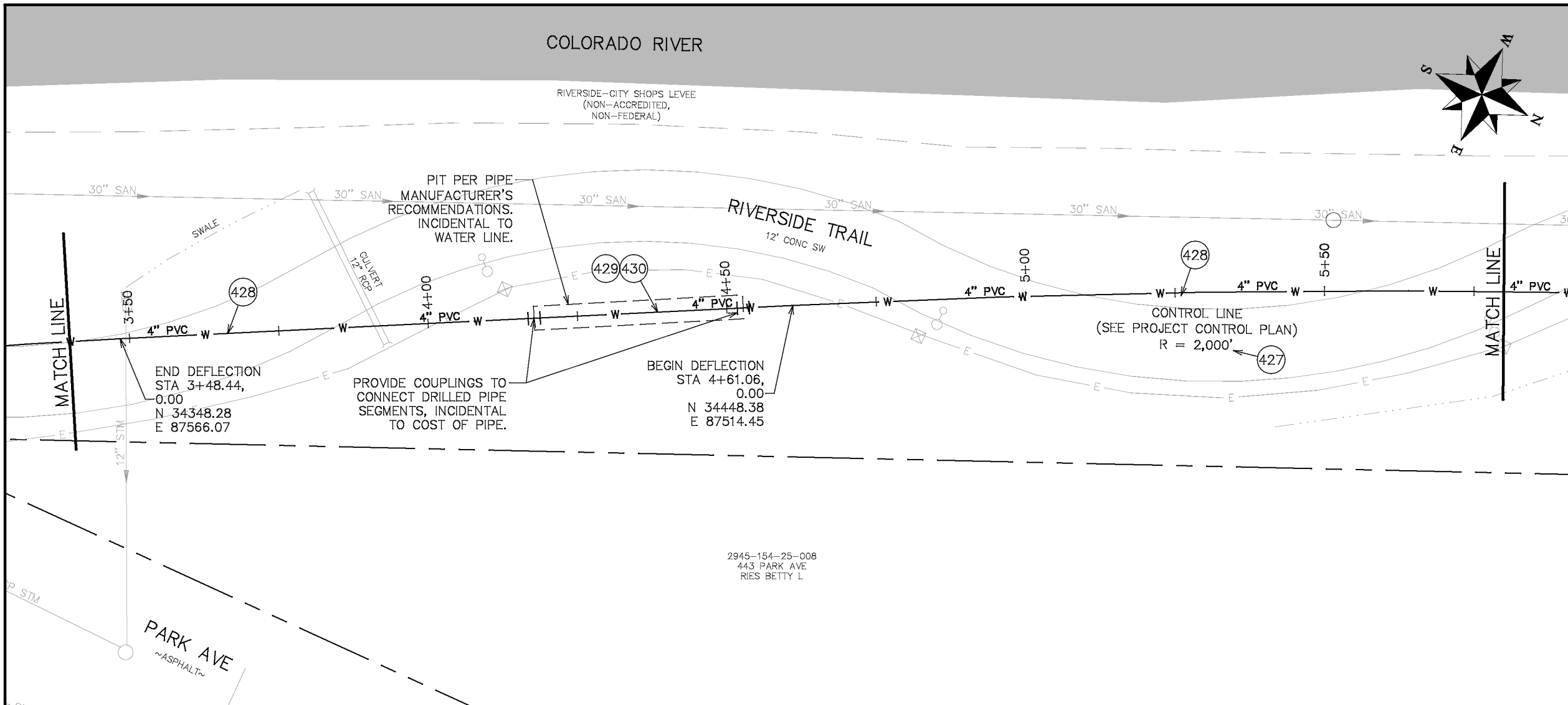
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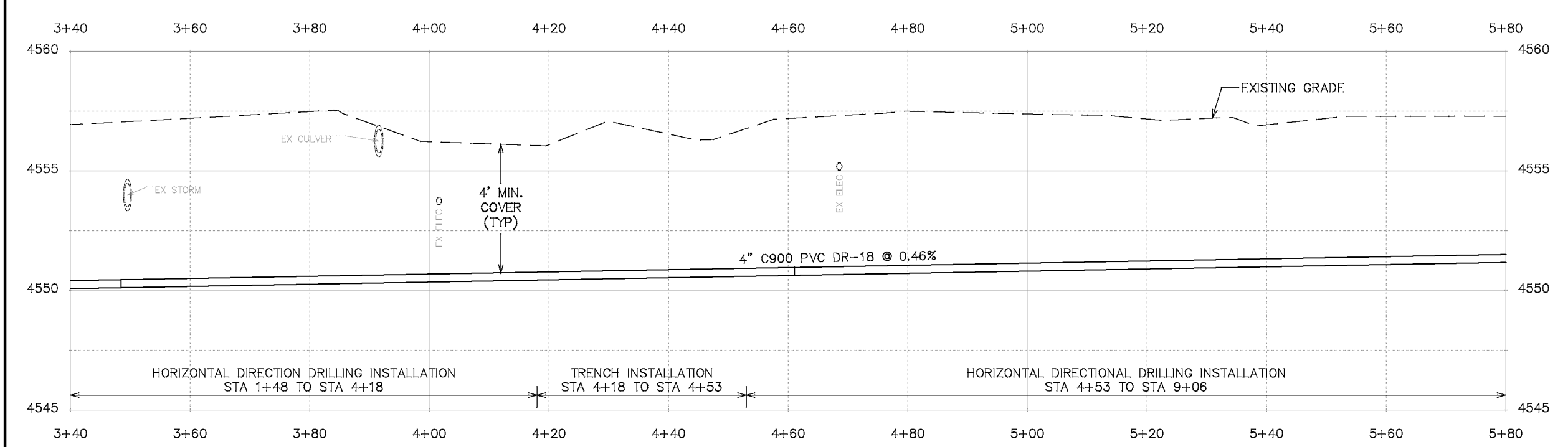
**PUBLIC WORKS ENGINEERING DIVISION**  
 PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
 RAW WATER LINE PLAN AND PROFILE - 1 OF 5  
 October 4, 2023

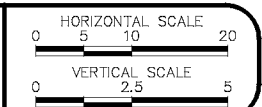
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- ### DRAWING NOTES
- 427 DEFLECT PIPE AS SHOWN.
  - 428 RAW WATER LINE PIPE (4" C-900 PVC DR-18). INCLUDES TRACER WIRE. HORIZONTAL DIRECTIONAL DRILLING INSTALLATION STA 1+48 TO STA 4+18, AND STA 4+53 TO STA 9+06.
  - 429 RAW WATER PIPE (4" C-900 PVC DR-18). TRENCH INSTALLATION STA 4+18 TO STA 4+53. INCLUDES TYPE A BEDDING, HAUNCHING MATERIAL, TRACER WIRE, AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - 430 ALL BENDS, TEES, FITTINGS, AND DEAD ENDS SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS AND MECHANICAL JOINT RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAILS W-08 AND W-08A.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REV 2			WC	2023
REV 3			WC	2023
REV 4			WC	2023

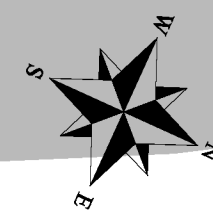


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**DOS RIOS TO RIVERSIDE RAW WATER LINE  
RAW WATER LINE PLAN AND PROFILE - 2 OF 5**  
October 4, 2023

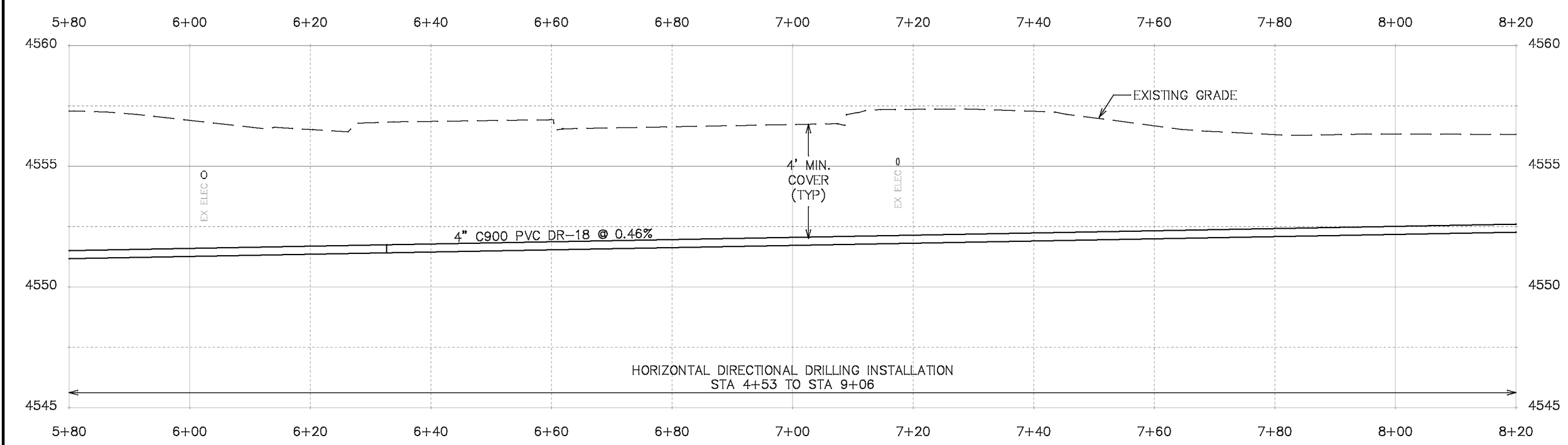
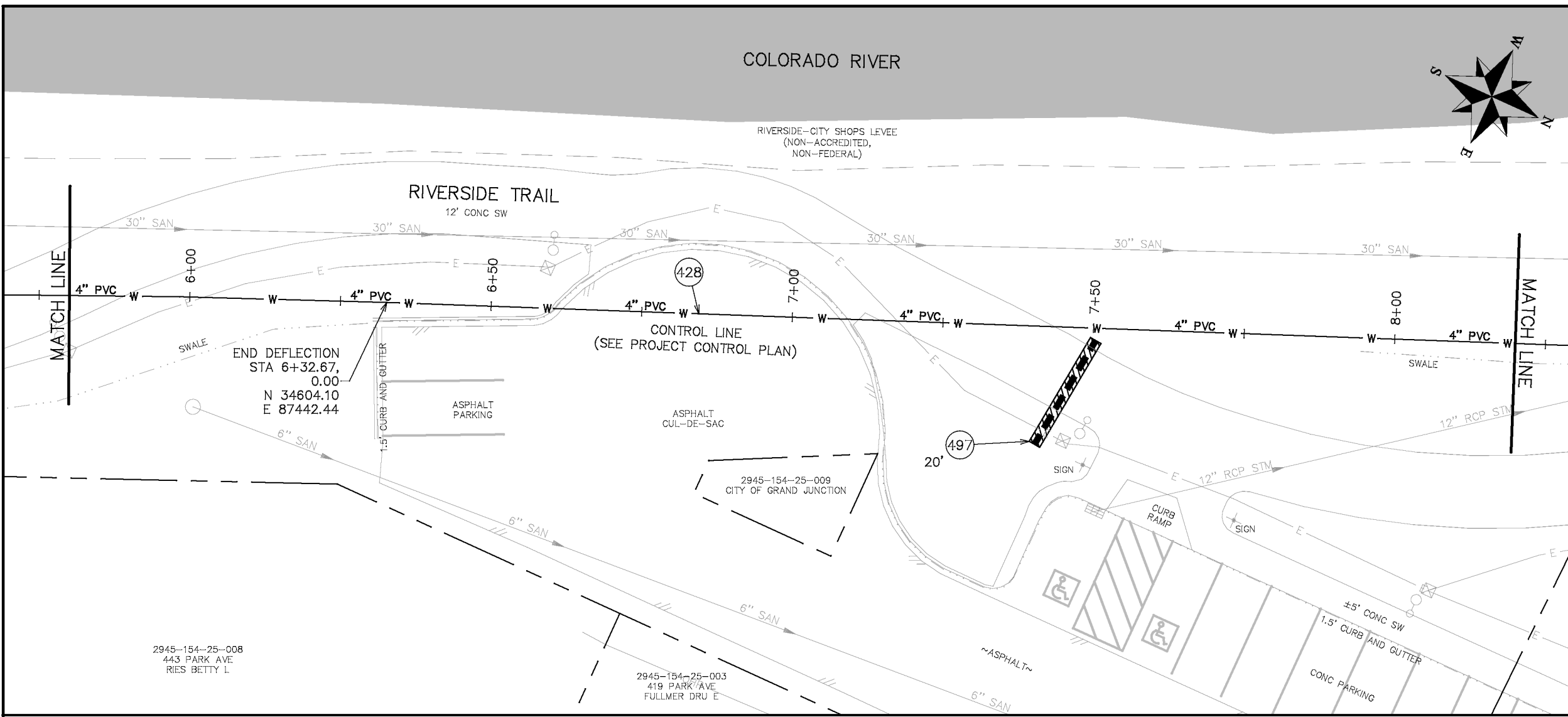
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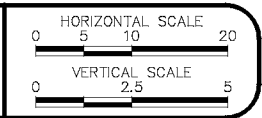


**DRAWING NOTES**

- 428 RAW WATER LINE PIPE (4" C-900 PVC DR-18). INCLUDES TRACER WIRE. HORIZONTAL DIRECTIONAL DRILLING INSTALLATION STA 4+53 TO STA 9+06.
- 497 6" PVC IRRIGATION SLEEVE (LENGTH AS SHOWN ON PLAN, BORE OR JACK INSTALLATION WITH 24" MIN. COVER). MARKS ENDS WITH LATH.



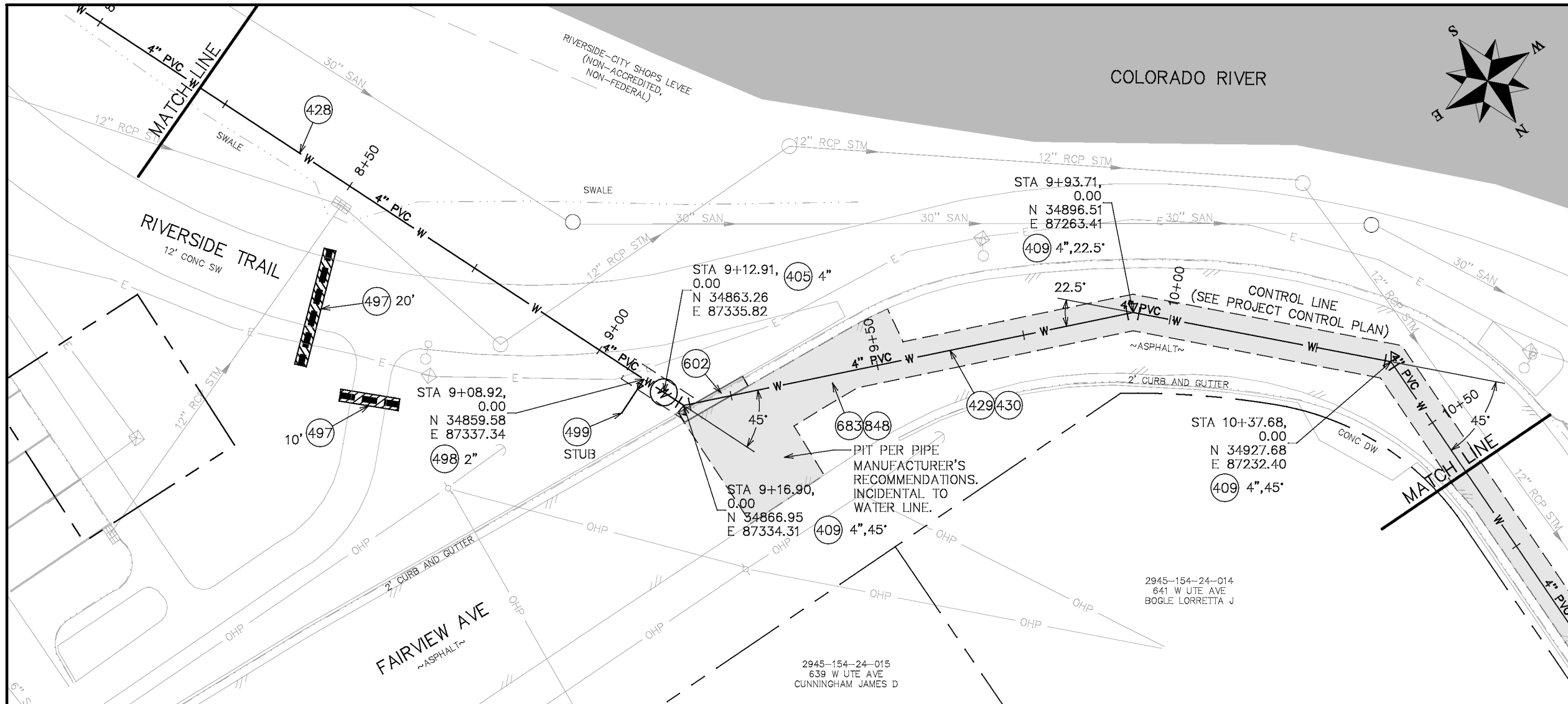
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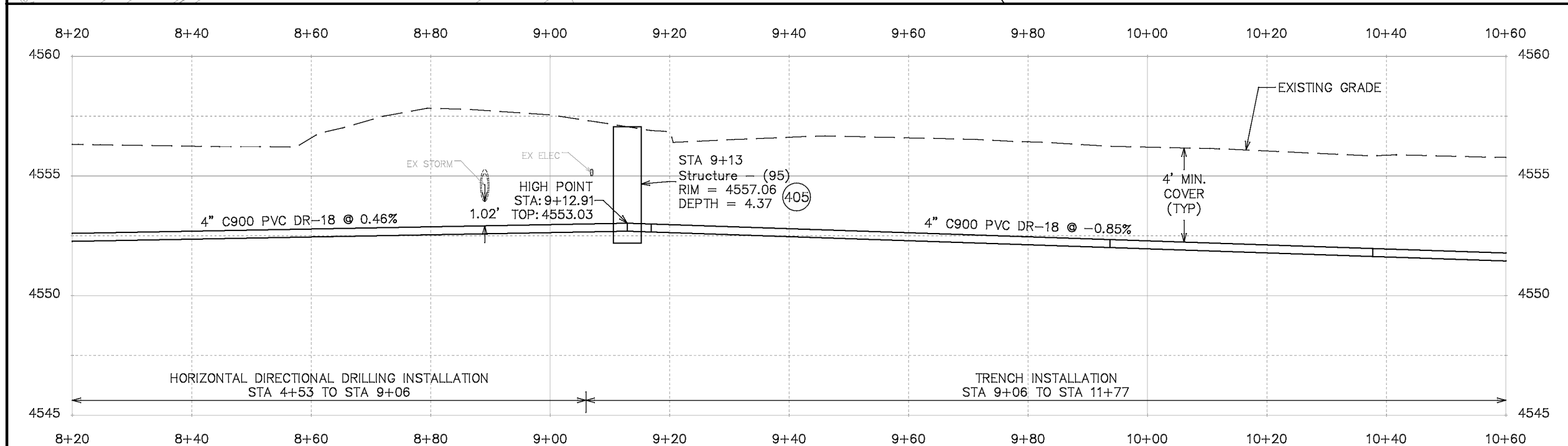
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PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE  
RAW WATER LINE PLAN AND PROFILE - 3 OF 5**  
October 4, 2023

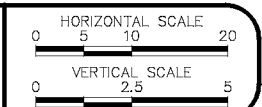
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- ### DRAWING NOTES
- (405) AIR VALVE AND VAULT (SIZE AS SHOWN).
  - (409) ELBOW (SIZE AND ANGLE AS SHOWN).
  - (428) RAW WATER LINE PIPE (4" C-900 PVC DR-18). INCLUDES TRACER WIRE. HORIZONTAL DIRECTIONAL DRILLING INSTALLATION STA 4+53 TO STA 9+06.
  - (429) RAW WATER LINE PIPE (4" C-900 PVC DR-18). TRENCH INSTALLATION STA 9+06 TO STA 11+77. INCLUDES TYPE A BEDDING, HAUNCHING MATERIAL, TRACER WIRE, AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - (430) ALL JOINTS, BENDS, TEES, FITTINGS, AND DEAD ENDS SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS AND MECHANICAL JOINT RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAILS W-08 AND W-08A.
  - (497) 6" PVC IRRIGATION SLEEVE (LENGTH AS SHOWN ON PLAN, BORE OR JACK INSTALLATION WITH 24" MIN. COVER). MARKS ENDS WITH LATH.
  - (498) IRRIGATION TAP ASSEMBLY (SIZE AS SHOWN ON PLAN).
  - (499) IRRIGATION PIPE (SDR 26 PVC) (SIZE AS SHOWN ON PLAN) INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - (602) CONCRETE CURB AND GUTTER (2' WIDE).
  - (683) HOT BITUMINOUS PAVEMENT (5" THICK) (GRADING SX, BINDER GRADE PG 64-22) (3" BOTTOM LIFT, 2" TOP LIFT FOR T-TOP) -OVER- AGGREGATE BASE COURSE (CLASS 6) (13" THICK).
  - (848) ADDITIONAL INFORMATION REGARDING PAVEMENT PLACEMENT FOR "T-TOP": TOP PAVEMENT LIFT SHALL BE EXTENDED OUTSIDE PREVIOUS LIFT TO MILLED EDGE. (REFER TO PAGE GU-03 OF THE STANDARD CONTRACT DOCUMENTS).



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			WC	2023
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REV 3			WC	2023
REV 4			WC	2023

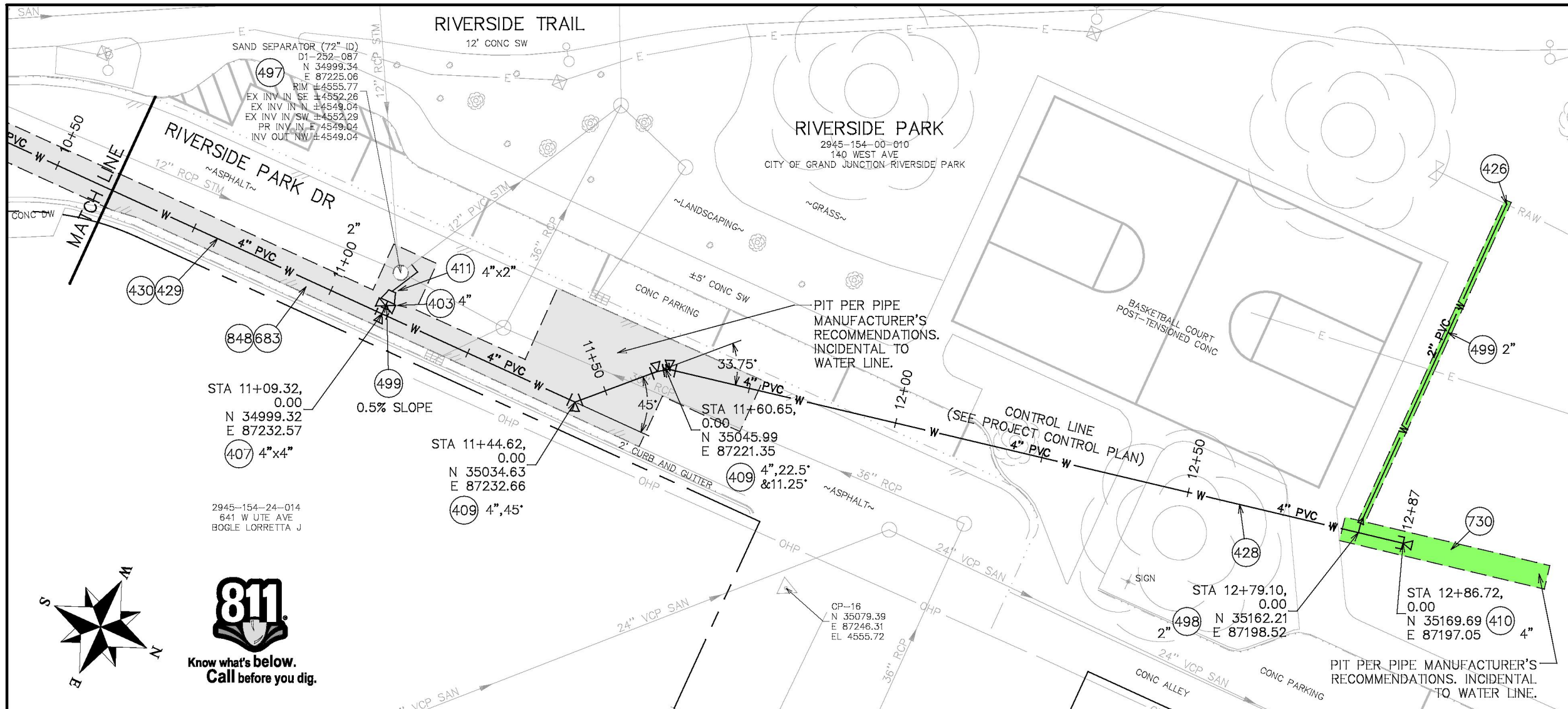


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 PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
 RAW WATER LINE PLAN AND PROFILE - 4 OF 5  
 October 4, 2023

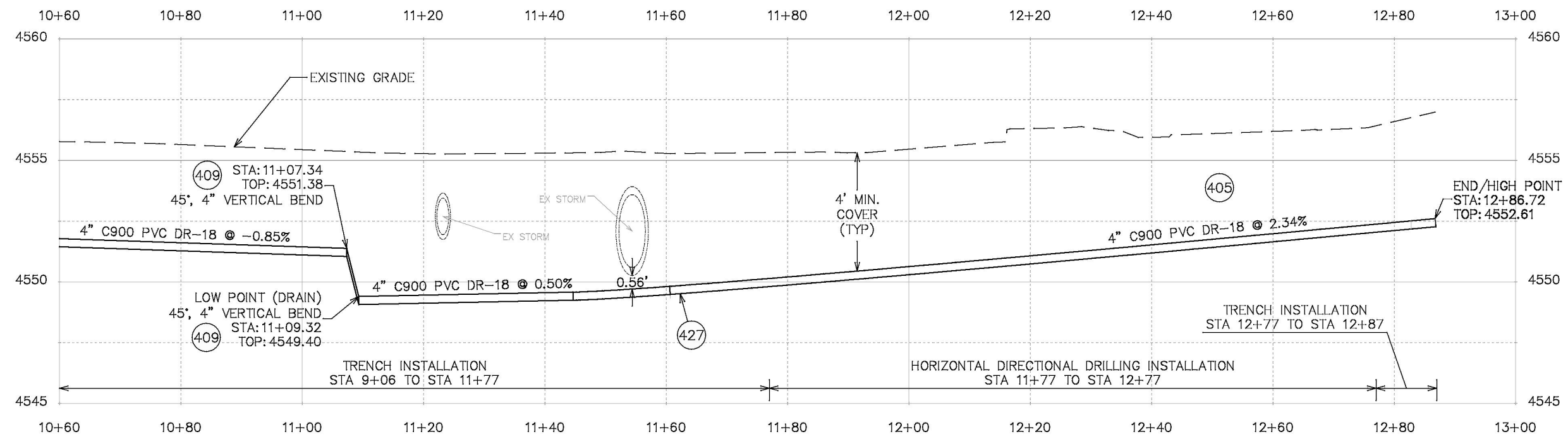
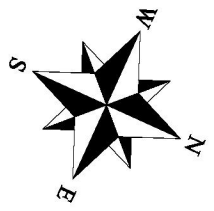


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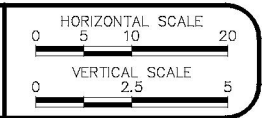


**DRAWING NOTES**

- 403 GATE VALVE. (SIZE AS SHOWN)
- 407 TEE (SIZE AS SHOWN).
- 409 ELBOW (SIZE AND ANGLE AS SHOWN).
- 410 END CAP/PLUG (SIZE AS SHOWN).
- 411 REDUCER (SIZE AS SHOWN).
- 426 CONNECT TO EX WATER VALVE. THE CONTRACT UNIT PRICE FOR THE WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- 427 DEFLECT PIPE AS SHOWN.
- 428 RAW WATER LINE PIPE (4" C-900 PVC DR-18). INCLUDES TRACER WIRE. HORIZONTAL DIRECTIONAL DRILLING INSTALLATION STA 11+77 TO STA 12+77.
- 429 RAW WATER LINE PIPE (4" C-900 PVC DR-18). TRENCH INSTALLATION STA 9+06 TO STA 11+77 AND STA 12+77 TO STA 12+87. INCLUDES TYPE A BEDDING, HAUNCHING MATERIAL, TRACER WIRE, AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 430 ALL JOINTS, BENDS, TEES, FITTINGS, AND DEAD ENDS SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS AND MECHANICAL JOINT RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAILS W-08 AND W-08A.
- 497 CONNECT 2" DRAIN PIPE (SDR 26 PVC) TO EXISTING STORM MANHOLE 12" PVC OUTLET PIPE. INCIDENTAL TO THE COST OF 2" PVC PIPE PER SECTION 108.13.
- 498 IRRIGATION TAP ASSEMBLY (SIZE AS SHOWN ON PLAN).
- 499 IRRIGATION PIPE (SDR 26 PVC) (SIZE AS SHOWN ON PLAN) INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 683 HOT BITUMINOUS PAVEMENT (5" THICK) (GRADING SX, BINDER GRADE PG 64-22) (3" BOTTOM LIFT, 2" TOP LIFT FOR T-TOP) -OVER- AGGREGATE BASE COURSE (CLASS 6) (13" THICK).
- 730 RESOD DISTURBED AREA. INCLUDES 6" IMPORTED TOPSOIL.
- 848 ADDITIONAL INFORMATION REGARDING PAVEMENT PLACEMENT FOR "T-TOP": TOP PAVEMENT LIFT SHALL BE EXTENDED OUTSIDE PREVIOUS LIFT TO MILLED EDGE. (REFER TO PAGE GU-03 OF THE STANDARD CONTRACT DOCUMENTS).



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REV 3			WC	2023
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**PUBLIC WORKS ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
RAW WATER LINE PLAN AND PROFILE - 5 OF 5  
October 4, 2023

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# STORM WATER MANAGEMENT PLAN (SWMP)

## 1. SITE DESCRIPTION

THE CONTRACTOR SHALL COMPLY WITH ALL CITY OF GRAND JUNCTION CONTRACTUAL REQUIREMENTS AND ALL REQUIREMENTS ASSOCIATED WITH THE SWMP ON THIS PROJECT. THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL UPDATE THE SWMP TO REFLECT CURRENT PROJECT SITE CONDITIONS.

### A. PROJECT SITE LOCATION:

LOCATION OR ADDRESS OF CONSTRUCTION OFFICE: N/A

### B. PROJECT SITE DESCRIPTION:

THE SITE EXTENDS FROM RIVERSIDE PARK SOUTH TO DOS RIOS, GENERALLY FOLLOWING THE ALIGNMENT OF THE RIVERSIDE TRAIL. MOST OF THE FINAL LANDSCAPING AND IRRIGATION HAS NOT BEEN INSTALLED ALONG RIVERSIDE TRAIL. THE EXISTING TREES, SHRUBS, LANDSCAPING, TRAIL, AND UTILITIES WILL BE PROTECTED IN PLACE. RIVERSIDE PARK HAS MANY MATURE TREES, LANDSCAPING, AND EXISTING AMENITIES THAT WILL BE PROTECTED IN PLACE.

### C. PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES:

INITIAL EROSION CONTROL MEASURES WILL BE INSTALLED. THE REMOVALS WILL OCCUR. INTERIM CONTROL MEASURES WILL BE INSTALLED. THE PROPOSED RAW WATER LINE WILL BE INSTALLED IN A COMBINATION OF OPEN TRENCHES AND HORIZONTAL DIRECTIONAL DRILLING AS INDICATED ON THE PLAN SHEETS. EXISTING GROUND COVER WILL BE RESET OR REPLACED AND FINAL STABILIZATION WILL BE ACHIEVED.

### D. ACRES OF DISTURBANCE:

- TOTAL AREA OF CONSTRUCTION SITE (LOC): 0.064 ACRES
- TOTAL AREA OF PROPOSED DISTURBANCE (LDA): 0.064 ACRES.
- TOTAL AREA OF IMPERVIOUS SURFACE PRE-PROJECT AND POST-PROJECT WILL REMAIN EQUAL.
- TOTAL AREA OF SEEDING: N/A

### E. EXISTING SOIL DATA:

THE DOMINANT SOIL AT THE SITE IS THE GREEN RIVER CLAY LOAM. THE SOIL TEXTURE IS CLAY LOAM UNDERLAIN BY FINE SANDY LOAM, WHICH IS UNDERLAIN BY VERY COBBLY SAND. THE POTENTIAL FOR EROSION IS RATED AS SLIGHT BY THE NRCS. DATA SOURCE(S): NRCS WEB SOIL SURVEY

### F. EXISTING VEGETATION, INCLUDING PERCENT OF VEGETATIVE COVER: PRE-CONSTRUCTION

DATE OF SURVEY: N/A -- EXISTING PAVEMENT, SOD, OR LANDSCAPING.

PERCENT EXISTING VEGETATIVE COVER: N/A

DESCRIPTION OF EXISTING VEGETATION: N/A

METHOD FOR DETERMINING PERCENT VEGETATIVE COVER: N/A

INCLUDE A MAP OR TABLE SHOWING TRANSECT LOCATIONS, PHOTOS DOCUMENTING PRE-CONSTRUCTION VEGETATIVE COVER, AND METHODOLOGY USED TO DETERMINE EXISTING VEGETATIVE COVER: N/A

### POST-CONSTRUCTION

DATE OF SURVEY:

PERCENT VEGETATIVE COVER:

DESCRIPTION OF VEGETATION:

THE METHOD USED TO DETERMINE PRE-CONSTRUCTION PERCENT COVER SHALL BE USED TO DETERMINE POST CONSTRUCTION PERCENT COVER.

INCLUDE MAP OR TABLE SHOWING TRANSECT LOCATIONS, PHOTOS DOCUMENTING POST-CONSTRUCTION VEGETATIVE COVER, AND METHODOLOGY USED TO DETERMINE EXISTING VEGETATIVE COVER:

## 2. STORMWATER MANAGEMENT CONTROLS FOR FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

### A. POTENTIAL POLLUTANT SOURCES

REFER TO POTENTIAL POLLUTANT SOURCES IN SWMP SECTION 4A. EVALUATE, IDENTIFY AND DESCRIBE ALL POTENTIAL SOURCES OF POLLUTANTS AT THE SITE AND PLACE ANY CONTROL MEASURES REQUIRED TO CONTAIN POTENTIAL POLLUTANTS.

### B. OFFSITE DRAINAGE (RUN ON WATER):

PLACE CONTROL MEASURES TO ADDRESS RUN-ON WATER IN ACCORDANCE WITH SUBSECTION 208.03.

### C. CONSTRUCTION DEWATERING:

OBTAIN A CDPS DEWATERING PERMIT FROM CDPHE IF CONDITIONS OF THEIR LOW RISK GUIDANCE FOR DISCHARGES OF UNCONTAMINATED GROUNDWATER TO LAND ARE NOT MET.

### D. VEHICLE TRACKING CONTROL:

CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH SUBSECTION 208.04.

### E. PERIMETER CONTROL:

PERIMETER CONTROL SHALL BE ESTABLISHED AS THE FIRST ITEM ON THE SWMP TO PREVENT THE POTENTIAL FOR POLLUTANTS LEAVING THE CONSTRUCTION SITE BOUNDARIES, ENTERING THE STORMWATER DRAINAGE SYSTEM, OR DISCHARGING TO STATE WATERS. PERIMETER CONTROL MAY CONSIST OF BERMS, SILT FENCE, EROSION LOGS, EXISTING LANDFORMS, OR OTHER CONTROL MEASURES AS APPROVED.

## 3. QUALIFIED STORMWATER MANAGERS

### A. SWMP ADMINISTRATOR FOR DESIGN:

INDIVIDUAL RESPONSIBLE FOR DEVELOPING SWMP PLAN SHEETS AND SWMP SITE MAPS DURING THE DESIGN PHASE.

NAME/TITLE AND CONTACT INFORMATION

WILLIAM COMERER, P.E., CFM

PROJECT ENGINEER

(970) 244-1417

WILLIAMC@GJCITY.ORG

### B. SWMP ADMINISTRATOR FOR CONSTRUCTION:

(AS DEFINED IN SECTION 208) THE CONTRACTOR SHALL DESIGNATE A SWMP ADMINISTRATOR FOR CONSTRUCTION. THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL BECOME THE OPERATOR FOR THE SWMP AND ASSUME RESPONSIBILITY FOR ALL DESIGN CHANGES TO THE SWMP IMPLEMENTATION AND MAINTENANCE IN ACCORDANCE TO 208.03, THE SWMP SHALL REMAIN THE PROPERTY OF CITY OF GRAND JUNCTION. THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL BE RESPONSIBLE FOR IMPLEMENTING, MAINTAINING, AND REVISING SWMP, INCLUDING THE TITLE AND CONTACT INFORMATION. THE ACTIVITIES AND RESPONSIBILITIES OF THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL ADDRESS ALL ASPECTS OF THE PROJECT'S SWMP. (UPDATE THE INFORMATION BELOW FOR EACH NEW SWMP ADMINISTRATOR FOR CONSTRUCTION)

NAME/TITLE AND CONTACT INFORMATION (PHONE & EMAIL) WITH START DATE:

## 4. DURING CONSTRUCTION

THE SWMP SHOULD BE CONSIDERED A "LIVING DOCUMENT" THAT IS CONTINUOUSLY REVIEWED AND MODIFIED. DURING CONSTRUCTION, THE FOLLOWING ITEMS SHALL BE ADDED, UPDATED, OR AMENDED AS NEEDED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 208.

### A. MATERIALS HANDLING AND SPILL PREVENTION:

PRIOR TO CONSTRUCTION COMMENCING THE CONTRACTOR SHALL SUBMIT A SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN, SEE SUBSECTION 208.06. MATERIALS HANDLING SHALL BE IN ACCORDANCE WITH SUBSECTION 208.06.

### B. STOCKPILE MANAGEMENT:

SHALL BE DONE IN ACCORDANCE WITH SUBSECTION 208.07

### C. CONCRETE WASHOUT:

CONCRETE WASH OUT WATER OR WASTE FROM FIELD LABORATORIES AND PAVING EQUIPMENT SHALL BE CONTAINED IN ACCORDANCE WITH SUBSECTION 208.05.

### D. SAW CUTTING:

SHALL BE DONE IN ACCORDANCE WITH SUBSECTIONS 208.04 AND 208.05

### E. STREET SWEEPING:

SHALL BE DONE IN ACCORDANCE WITH SUBSECTION 208.04

## 5. CONTROL MEASURE MAINTENANCE

MAINTENANCE SHALL BE IN ACCORDANCE WITH SUBSECTION 208.04 (F).

## 6. INTERIM AND PERMANENT STABILIZATION

THE CONTRACTOR SHALL COMPLY WITH ALL INTERIM STABILIZATION AND PERMANENT STABILIZATION REQUIREMENTS IN ACCORDANCE WITH SUBSECTION 208.04(E).

## 7. PRIOR TO PROJECT FINAL ACCEPTANCE

- REMOVAL AND DISPOSAL OF TEMPORARY CONTROL MEASURES SHALL BE INCLUDED IN THE COST OF WORK.
- REFER TO SPECIFICATION 208.10 FOR ITEMS TO BE COMPLETED PRIOR TO REQUESTING PARTIAL ACCEPTANCE OF WATER QUALITY WORK.

## 8. NARRATIVES:

### CONTROL MEASURE MATRIXES DURING CONSTRUCTION

1. CONTROL MEASURE NARRATIVES HAVE BEEN INCLUDED FOR THE CDOT STANDARD SPECIFICATIONS AND STANDARD PLAN M-208 AND M-216 ALONG WITH ANY NON-STANDARD CONTROL MEASURES APPROVED DURING THE DESIGN PROCESS. IF A NON-STANDARD CONTROL MEASURE NOT INCLUDED IN THE SWMP IS PROPOSED AND APPROVED BY THE ENGINEER THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL DO THE FOLLOWING: PLACE AN "X" IN THE COLUMN FOR NON-STANDARD AND COMPLETE A NON-STANDARD CONTROL MEASURE SPECIFICATION AND NARRATIVE COVERING THE WHAT, WHEN, WHERE AND WHY THE CONTROL MEASURE IS BEING USED SHALL BE ADD TO THE SWMP. THE APPROPRIATE "X" SHALL ALSO BE ADDED TO THE IMPLEMENTATION PHASE(S).

2. THE SWMP ADMINISTRATOR FOR CONSTRUCTION SHALL PLACE AN "X" IN THE COLUMN IN USE ON SITE WHEN THE CONTROL MEASURE HAS BEEN INSTALLED.

A "B" IN THE INITIAL ACTIVITIES COLUMN INDICATES THAT THE CONTROL MEASURE SHALL BE INSTALLED BEFORE CONSTRUCTION ACTIVITY STARTS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A REV 1			WC	2023
REVISION A REV 2			WC	2023
REVISION A REV 3			WC	2023
REVISION A REV 4			WC	2023

NO SCALE



PUBLIC WORKS  
ENGINEERING DIVISION  
PROJECT NO. G2202

DOS RIOS TO RIVERSIDE RAW WATER LINE  
SWMP - 1 OF 4  
October 4, 2023



STRUCTURAL CONTROL MEASURES THAT MAY BE POTENTIALLY USED ON THE PROJECT FOR EROSION AND SEDIMENT CONTROL; PRACTICES MAY INCLUDE, BUT ARE NOT LIMITED TO:

APPLICATION, CONTROL MEASURE	NARRATIVE	M- 208 STANDARD or "X" for NON-STANDARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITIES	INTERIM ACTIVITIES	PERMANENT STABILIZATION
Storm Drain Inlet Protection In Paved Roadways (Type 1, 2 and 3 as shown on M-208-1, sheet 5 of 11)	Manufactured storm drain inlet protection placed prior to construction disturbances as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	M-208		<b>B or X</b>	<b>X</b>	<b>X</b>
STOCKPILE PROTECTION Temporary berm, erosion logs, aggregate bags*	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stockpile, increase control as stockpile increases size.	M-208			<b>X</b>	
PERIMETER CONTROL Erosion logs, silt fence, temporary berm, topsoil windrow*	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage.	M-208		<b>B or X</b>	<b>X</b>	
CONCRETE WASHOUT Prefabricated	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities. The contractor shall provide a concrete washout conforming with the requirements for a Type II prefabricated concrete washout as described in Section 208 of the 2022 CDOT Standard Specifications for Road and Bridge Construction.	X		<b>X</b>	<b>X</b>	
VEHICLE TRACKING PAD Prefabricated	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances. The contractor shall provide prefabricated vehicle tracking pads conforming with the requirements for a modular system as described in Section 208 of the 2022 CDOT Standard Specifications for Road and Bridge Construction, including Table 208-10.	X		<b>B or X</b>	<b>X</b>	
OTHER						



Know what's below.  
Call before you dig.

REVISION $\Delta$ REV 1	DESCRIPTION	DATE	DRAWN BY WC	DATE 2023
REVISION $\Delta$ REV 2			DESIGNED BY WC	DATE 2023
REVISION $\Delta$ REV 3			CHECKED BY WC	DATE 2023
REVISION $\Delta$ REV 4			APPROVED BY WC	DATE 2023

NO SCALE



**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
SWMP - 2 OF 4  
October 4, 2023

NON-STRUCTURAL CONTROL MEASURES THAT MAY BE POTENTIALLY USED ON THE PROJECT FOR EROSION AND SEDIMENT CONTROL; PRACTICES MAY INCLUDE, BUT ARE NOT LIMITED TO:

APPLICATION, CONTROL MEASURE	NARRATIVE	M-STANDARD or "For NON-STANDARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITY	INTERIM ACTIVITIES	PERMANENT STABILIZATION
Sweeping	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.			X	X	X
OTHER						

**9. BIOLOGICAL IMPACTS AND DEWATERING**

**A. ENVIRONMENTAL IMPACTS:**

WETLAND IMPACTS: NO

STREAM IMPACTS: NO

THREATENED AND ENDANGERED SPECIES: NO SPECIES ARE ANTICIPATED TO BE IMPACTED BY THE PROJECT.

**B. DEWATERING:**

DEWATERING: REFER TO SUBSECTION 103.13.

IF GROUNDWATER DOES NOT MEET WATER QUALITY STANDARDS FOR RECEIVING WATER A SEPARATE CDPS DEWATERING PERMIT SHALL BE OBTAINED BY THE CONTRACTOR FROM CDPHE.



Know what's below.  
Call before you dig.

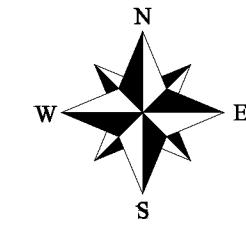
REVISION <input type="checkbox"/> REV 1	DESCRIPTION	DATE	DRAWN BY WC	DATE 2023
REVISION <input type="checkbox"/> REV 2			DESIGNED BY WC	DATE 2023
REVISION <input type="checkbox"/> REV 3			CHECKED BY WC	DATE 2023
REVISION <input type="checkbox"/> REV 4			APPROVED BY WC	DATE 2023

NO SCALE



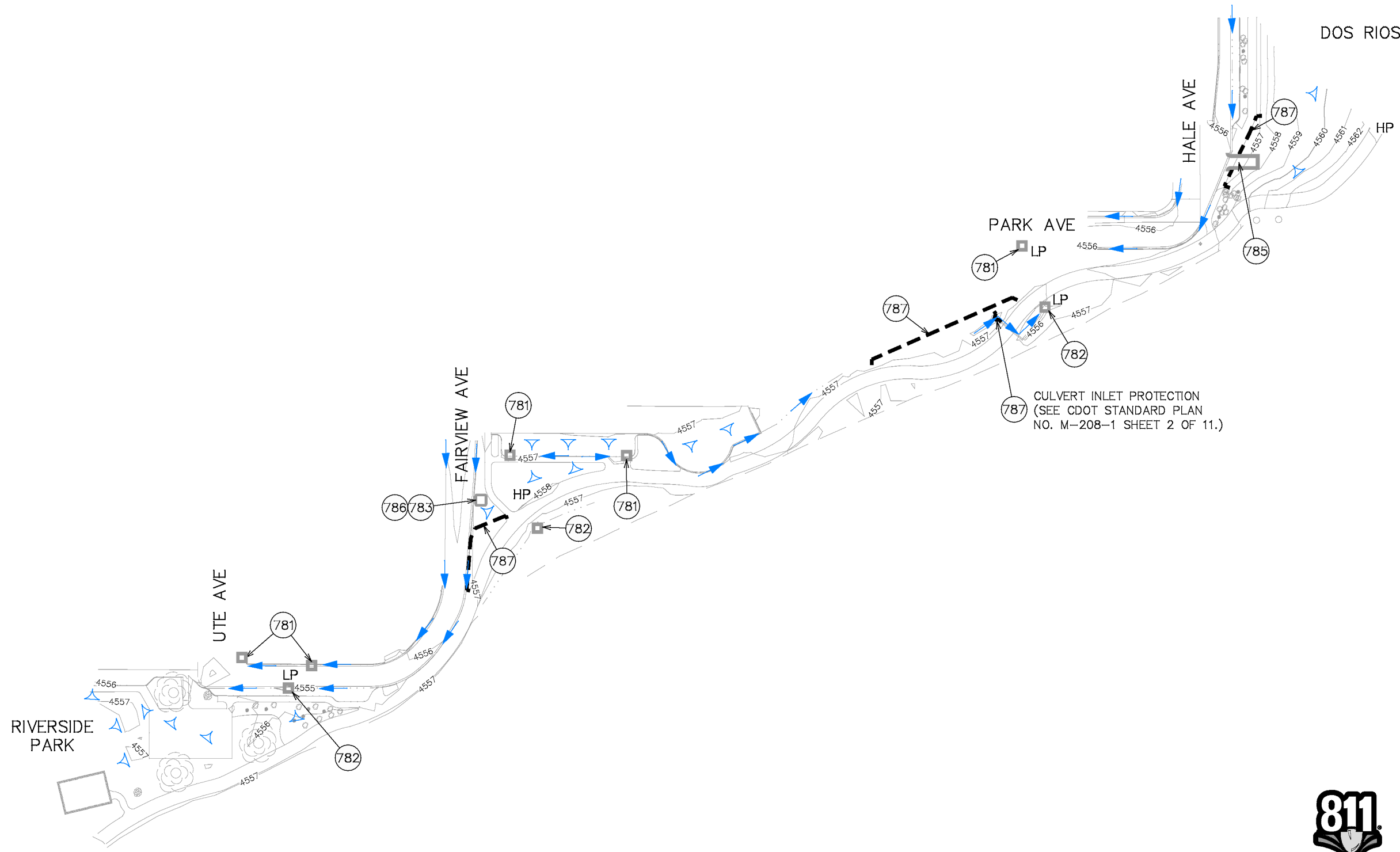
**PUBLIC WORKS  
ENGINEERING DIVISION**  
PROJECT NO. G2202

DOS RIOS TO RIVERSIDE RAW WATER LINE  
SWMP - 3 OF 4  
October 4, 2023



**DRAWING NOTES**

- (781) STORM DRAIN INLET PROTECTION (TYPE II) OPTION A, PER STANDARD PLAN SHEET M-208-1 AT EXISTING CURB INLETS.
- (782) STORM DRAIN INLET PROTECTION (TYPE III) OPTION A, PER STANDARD PLAN SHEET M-208-1 AT EXISTING AREA INLET.
- (783) PREFABRICATED CONCRETE WASHOUT STRUCTURE (TYPE II - LOCATE A MINIMUM OF 50 FEET AWAY FROM STATE WATERS). INCLUDED IN EROSION CONTROL.
- (785) PREFABRICATED VEHICLE TRACKING PAD. INCLUDED IN EROSION CONTROL.
- (786) SANITARY FACILITY.
- (787) EROSION LOG.



(787) CULVERT INLET PROTECTION (SEE CDOT STANDARD PLAN NO. M-208-1 SHEET 2 OF 11.)

**LEGEND**

- SHEET FLOW
- CONCENTRATED FLOW
- INLET PROTECTION
- TRACKING PAD
- CONCRETE WASHOUT
- HP HIGH POINT
- LP LOW POINT
- EROSION LOG



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REV 1			WC	2023
REV 2			WC	2023
REV 3			WC	2023
REV 4			WC	2023

NO SCALE



**PUBLIC WORKS ENGINEERING DIVISION**  
PROJECT NO. G2202

**DOS RIOS TO RIVERSIDE RAW WATER LINE**  
SWMP - 4 OF 4  
October 4, 2023

N:\ENGR\G2202 (RAW WATERLINE DOS RIOS NORTH)\GOCAD\DESIGN\SWMP.DWG - PLOTTED 10/4/2023 12:48:42 PM

**CHANGE ORDER****Number 1**

Date: August 2, 2023  
 To: Dirtworks Construction, LLC  
 From: City of Grand Junction, Department of Public Works and Utilities  
 Project: **2022 Waterline Replacement Phase 2**  
 P.O.: **2023-00000244**

It is agreed to modify the Contract for the Project as follows:

Forty-Three (43) Calendar Days are added to the contract to account for two items. 1) The City requested the Contractor delay their proposed start date by a minimum of one week to allow time for public outreach before construction activities started. 2) The contractor requested 5-6 weeks additional time to complete the Riverside waterline replacements. 5 weeks are approved. This scope of work was included during negotiation of the original contract, but additional time was not included at that time. No other changes to scope of work or contract amount are included in this Change Order.

Summary of Contract price adjustments - itemized on the attached sheet(s):

Original Contract Amount	\$1,366,411.00
Approved Change Orders	0.00
This Change Order	0.00
Revised Contract Amount	<u>\$1,366,411.00</u>

Summary of Contract time adjustments:


Original Contract Time	120.	Cal. Days
Approved Change Orders	0.	
This Change Order	43.	
Revised Contract Time	<u>163.</u>	Cal. Days

Construction Start Date: May 19, 2023  
 Contract Completion Date: October 28, 2023

This modification constitutes compensation in full for all costs and mark-ups directly and/or indirectly attributable to the changes ordered herein, for all delays, impacts and disruptions related thereto and for performance of the changes within the Contract Time.

Owner: **City of Grand Junction**

Prepared by:

DocuSigned by:  
  
CA8094AB984A42F...

John Eklund, Project Engineer

Date: 8/7/2023

Recommended by:

DocuSigned by:  
  
A379FC08FB8447...

Mark Ritterbush, Water Services Manager

Date: 8/31/2023

Approved by:

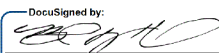
DocuSigned by:  
  
F3B7E904788412...

Randi Kim, Utilities Director

Date: 8/31/2023

Contractor: **Dirtworks Construction, LLC**

Signature:

DocuSigned by:  
  
5B7925851D2643D...

Name and Title:

Branden D. Hughes, Owner - Dirtworks Construction, LLC  
 President/owner

Date: 8/4/2023



PUBLIC WORKS & PLANNING

# WORK CHANGE REQUEST No 1

The Engineer may desire to make a change in the Work described in the Contract Documents. This form shall be used to inform the Contractor of desired changes, and to direct the Contractor to submit a Request for Adjustment. If the time required for preparation and execution of a formal Change Order would result in delay or stoppage of the Work, or would allow a hazardous condition to exist, the Engineer may authorize and direct the Contractor to proceed with the changes described.

Project: **2022 Waterline Replacement Phase 2**

To: Dirtworks Construction, LLC

From: City of Grand Junction

Date: June 5, 2023

Description of and justifications for change (attach supporting documents if necessary)

This request is to delay mobilization on the above project from this Wednesday, 7 June until at least Wednesday, 14 June in order to allow the City time to provide notice to the residents and customers being affect by this project. This request is for a change in Contract Time only; no changes in cost or scope of work are included in this Work Change Request. Please confirm your scheduling.

Recommended method of payment (Reference is made to Section VIII of the General Conditions):

- Unit Price(s) in Bid Schedule
- Unit Price(s) to be agreed upon and set forth in a Change Order or included under the Force Account Item
- Actual cost plus overhead and profit
- Lump Sum to be agreed upon and set forth in a Change Order or included under the Force Account Item
- No change in Contract Price


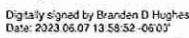
Recommended adjustment in Contract Time: 7 Calendar Days

- Contractor is directed to submit a Request for Adjustment for but not proceed with the proposed changes described above.
- Contractor is directed to submit a Request for Adjustment and is authorized to proceed with the changes described above.

  \_\_\_\_\_ 5 June 2023  
 John Eklund, Project Engineer Date

The Contractor acknowledges:

- that this is not a formal Change Order;
- that recommended methods of Contract Price and Contract Time adjustment are not binding;
- that a formal Change Order shall follow if changes are to be made;
- that any additional work performed by the Contractor unless directed otherwise above shall be at his expense, for which compensation is not due and will not be paid; and
- that a Request for Adjustment for the above changed work must be submitted within five Working Days.

  \_\_\_\_\_ 06/07/2023  
 Contractor's representative Title Date

# REQUEST FOR ADJUSTMENT



**1010 21 ½ Road**  
**Grand Junction, CO 81505**  
**(970) 256-1691**  
**(970) 241-2570**

<b>RFA #</b>	<b>1</b>
<b>DATE</b>	06/05/2023
<b>PROJECT NAME</b>	'22 Waterline Repl. Proj.
<b>PROJECT #</b>	IFB-5217-23-DD

## RFA Description

Dirtworks is putting in a request for adjustment on a contract time extension of 5-6 weeks to accommodate the additional scope of work, added after the original contract bid date, to be done. (Chuluota Ave & Rockaway Ave) Added scope of work has been included in the contract but no additional time has been allotted.

<b>Attachments:</b>	
<b>Submitted By;</b>	Branden D. Hughes <b>Owner/Project Manager</b>

## RESPONSE TO RFA

Additional time may be included for the Riverside streets (Chuluota and Rockaway Ave's). This will need to be incorporated into a change order.

<b>Response BY:</b>		<b>Date:</b>	
John Eklund		19 July 2023	



**NOTICE TO PROCEED**

Date: May 30, 2023

Contractor: Dirtworks Construction, LLC

Project: 2022 Waterline Replacement Project Phase 2 IFB-5217-23-DD

In accordance with the Contract dated May 19, 2023, the Contractor is hereby notified to begin work on the Project on or before June 5, 2023.

The date of final completion as determined is October 6, 2023.

**CITY OF GRAND JUNCTION, COLORADO**

\_\_\_\_\_  
Dolly Daniels, Senior Buyer

Receipt of this Notice to Proceed is hereby acknowledged:

Contractor: Dirtworks Construction, LLC

By: DocuSigned by:  
*Branden Hughes*  
975C54417C914C6...

Print Name: Branden Hughes

Title: Owner/President

Date: 5/31/2023



CITY OF GRAND JUNCTION, COLORADO

\*\*\*\*\*

**CONTRACT**

This CONTRACT made and entered into this **19th day of May, 2023** by and between the **City of Grand Junction, Colorado**, a government entity in the County of Mesa, State of Colorado, hereinafter in the Contract Documents referred to as the "Owner" and **Dirtworks Construction, LLC**, hereinafter in the Contract Documents referred to as the "Contractor."

WITNESSETH:

WHEREAS, the Owner advertised that sealed Responses would be received for furnishing all labor, tools, supplies, equipment, materials, and everything necessary and required for the Project described by the Contract Documents and known as **2022 Waterline Replacement Project Phase 2 (IFB-5217-23-DD)**.

WHEREAS, the Contract has been awarded to the above-named Contractor by the Owner, and said Contractor is now ready, willing, and able to perform the Work specified in the Notice of Award, in accordance with the Contract Documents.

NOW, THEREFORE, in consideration of the compensation to be paid the Contractor, the mutual covenants hereinafter set forth and subject to the terms hereinafter stated, it is mutually covenanted and agreed as follows:

**ARTICLE 1**

**Contract Documents**: It is agreed by the parties hereto that the following list of instruments, drawings, and documents which are attached hereto, bound herewith, or incorporated herein by reference constitute and shall be referred to either as the "Contract Documents" or the "Contract", and all of said instruments, drawings, and documents taken together as a whole constitute the Contract between the parties hereto, and they are fully a part of this agreement as if they were set out verbatim and in full herein:

The order of contract document governance shall be as follows:

- The body of this Contract Agreement
- Solicitation Documents for the Project; **2022 Waterline Replacement Project Phase 2 IFB-5217-23-DD**
- Notice of Award
- Contractor's Response to the Solicitation
- Work Change Requests (directing that changed work be performed);
- Field Orders;
- Change Orders.



## ARTICLE 2

Definitions: The clauses provided in the Solicitation apply to the terms used in the Contract and all the Contract Documents.

## ARTICLE 3

Contract Work: The Contractor agrees to furnish all labor, tools, supplies, equipment, materials, and all that is necessary and required to complete the tasks associated with the Work described, set forth, shown, and included in the Contract Documents as indicated in the Solicitation Document.

## ARTICLE 4

Contract Time and Liquidated Damages: Time is of the essence with respect to this Contract. The Contractor hereby agrees to commence Work under the Contract on or before the date specified in the Solicitation from the Owner, and to achieve Substantial Completion and Final Completion of the Work within the time or times specified in the Solicitation. In the event the Work is not completed in the times set forth and as agreed upon, the Contractor further agrees to pay Liquidated Damages to the Owner as set forth in the Solicitation. The Contractor acknowledges and recognizes the delays, expenses and difficulties involved in proving in a legal proceeding the actual losses suffered by the Owner if the work is not completed on time. Accordingly, instead of requiring any such proof, the Owner and the Contractor agree that as Liquidated Damages for delay, but not as a penalty, the Contractor shall pay to the Owner the amounts specified in the Solicitation.

## ARTICLE 5

Contract Price and Payment Procedures: The Contractor shall accept as full and complete compensation for the performance and completion of all of the Work specified in the Contract Documents, the sum of **One Million, Three Hundred, Sixty-Five Thousand, Seven Hundred, Sixty-One and 00/100 Dollars (\$1,365,761.00)**. If this Contract contains unit price pay items, the Contract price shall be adjusted in accordance with the actual quantities of items completed and accepted by the Owner at the unit prices quoted in the Solicitation Response. The amount of the Contract Price is and has heretofore been appropriated by the Grand Junction City Council for the use and benefit of this Project. The Contract Price shall not be modified except by Change Order or other written directive of the Owner. The Owner shall not issue a Change Order or other written directive which requires additional work to be performed, which work causes the aggregate amount payable under this Contract to exceed the amount appropriated for this Project, unless and until the Owner provides Contractor written assurance that lawful appropriations to cover the costs of the additional work have been made.

Unless otherwise provided in the Solicitation, monthly partial payments shall be made as the Work progresses. Applications for partial and Final Payment shall be prepared by the Contractor and approved by the Owner in accordance with the Solicitation.

Upon Final Completion of the Work under the Contract and before the Contractor shall receive final payment, the Owner shall publish at least twice in a newspaper of general circulation published in the County a notice that: 1. the Owner has accepted such Work as

completed according to the Contract Documents; 2. the Contractor is entitled to final payment therefore; 3. Thirty (30) days after the first publication, specifying the exact date, the Owner shall pay the full balance due under the Contract; and 4. persons having claims for labor, materials, team hire, sustenance, provisions, provender, or other supplies used or consumed by the Contractor or a Sub-Contractor shall file a verified statement of the amount due and unpaid on account of such claim prior to the date specified for such payment. Nothing herein shall be construed as relieving the Contractor and the Sureties on the Contractor's Bonds from any claim or claims for work or labor done or materials or supplies furnished in the execution of the Contract.

#### ARTICLE 6

Bonds: The Contractor shall furnish currently herewith the Bonds required by the Contract Documents; such Bonds being attached hereto. The Performance Bond shall be in an amount not less than one hundred percent (100%) of the Contract Price set forth in Article 5. The Payment Bond shall be in an amount not less than one hundred percent (100%) of the Contract Price set forth in Article 5.

#### ARTICLE 7

Contract Binding: The Owner and the Contractor each bind itself, its partners, successors, assigns and legal representatives to the other party hereto in respect to all covenants, agreements and obligations contained in the Contract Documents. The Contract Documents constitute the entire agreement between the Owner and Contractor and may only be altered, amended, or repealed by a duly executed written instrument. Neither the Owner nor the Contractor shall, without the prior written consent of the other, assign or sublet in whole or in part its interest under any of the Contract Documents and specifically, the Contractor shall not assign any moneys due or to become due without the prior written consent of the Owner.

#### ARTICLE 8

Severability: If any part, portion or provision of the Contract shall be found or declared null, void or unenforceable for any reason whatsoever by any court of competent jurisdiction or any governmental agency having the authority thereover, only such part, portion or provision shall be affected thereby and all other parts, portions and provisions of the Contract shall remain in full force and effect.

IN WITNESS WHEREOF, City of Grand Junction, Colorado, has caused this Contract to be subscribed and sealed and attested in its behalf; and the Contractor has signed this Contract the day and the year first mentioned herein.

The Contract is executed in two counterparts.

**CITY OF GRAND JUNCTION, COLORADO**

DocuSigned by:  
By: Duane Hoff Jr.  
9F789E7D50F44BC  
Duane Hoff, Jr. Contracts Administrator

5/19/2023  
Date

**Dirtworks Construction, LLC**

DocuSigned by:  
By:   
5B7B23851D2643D...  
Brandon Hughes, Owner

5/19/2023  
Date



**NOTICE OF AWARD**

Date: May 19, 2023  
Company: Dirtworks Construction, LLC  
Project: 2022 Waterline Replacement Project Phase 2 IFB-5217-23-DD

---

You have been awarded the City of Grand Junction Contract for the 2022 Waterline Replacement Project Phase 2 (IFB-5217-23-DD) for a lump sum fee of **\$1,365,761.00**.

Please notify John Eklund, Project Engineer at 970-244-1558 or [john@city.org](mailto:john@city.org) for project scheduling and return to the City Purchasing Division an acknowledged copy of this Notice of Award, signed Contract and Insurance Certificate, as per the contract documents.

CITY OF GRAND JUNCTION, COLORADO

DocuSigned by:

*Duane Hoff Jr.*

Duane Hoff, Jr. Contracts Administrator

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**SUPPLIER ACKNOWLEDGEMENT**

Receipt of this Notice to Award is hereby acknowledged:

Company: Dirtworks Construction, LLC

DocuSigned by:

By: *[Signature]*

5B7B25851D2643D...

Title: President/Owner

Date: 5/19/2023



**Purchasing Division**

## **Invitation for Bid**

**IFB-5217-23-DD**

### **2022 WATERLINE REPLACEMENT PROJECT – PHASE 2**

#### **Responses Due:**

**April 26, 2023, Prior to 2:00 PM**

**Accepting Electronic Responses Only**  
**Responses Only Submitted Through the Rocky Mountain E-Purchasing**  
**System (RMEPS)**

**[www.bidnetdirect.com/colorado](http://www.bidnetdirect.com/colorado)**

**(Purchasing Representative does not have access or control of the vendor side of RMEPS. If website or other problems arise during response submission, vendor MUST contact RMEPS to resolve issue prior to the response deadline. 800-835-4603)**

**NOTE: All City solicitation openings will continue to be held virtually.**

#### **Purchasing Representative:**

**Dolly Daniels, Senior Buyer**

**[dollyd@gjcity.org](mailto:dollyd@gjcity.org)**

**970-256-4048**

# **Invitation for Bids**

## **Table of Contents**

Section 1	Instruction to Offerors
Section 2	General Contract Conditions
Section 3	Statement of Work
Section 4	Contractor's Bid Form
	Price Proposal/Bid Schedule Form
	Appendix
	Attachments (Click on Links)

A: 2022 Waterline Replacement Project Manual  
<http://trimview.gjcity.org/?=SOLDOC/25769>

B: 2022 Waterline Replacement Construction Drawings  
<http://trimview.gjcity.org/?=SOLDOC/25770>

C: 2022 Waterline Replacement Bid Schedule  
<http://trimview.gjcity.org/?=SOLDOC/25771>

## **1. Instructions to Offerors**

**NOTE:** It is the Contractor's responsibility to read and review all solicitation documentation in its entirety, and to ensure that they have a clear and complete understanding of not only the scope, specifications, project requirements, etc., but also all other requirements, instructions, rules, regulations, laws, conditions, statements, procurement policies, etc. that are associated with the solicitation process and project/services being solicited.

- 1.1 Issuing Office:** This Invitation for Bid (IFB) is issued by the City of Grand Junction. All contact regarding this IFB is to be directed to:

Dolly Daniels; Senior Buyer  
[dollyd@gjcity.org](mailto:dollyd@gjcity.org)

With the exception of Pre-Bid or Site Visit Meeting(s) all questions, inquiries, comments, or communication pertaining to this solicitation (whether process, specifications, scope, etc.) must be directed (in writing) to the Purchasing Agent. Other communication may result in disqualification.

- 1.2 Mandatory Pre-Bid Meeting:** Prospective Offerors are required to attend a mandatory pre-bid meeting on April 13, 2023, at 3:00PM. Meeting location shall be in the City Hall Auditorium located at 250 N 5<sup>th</sup> St, Grand Junction CO 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB). **NOTE: Bidders that arrive more than 10 minutes late to the meeting shall not be eligible to submit a bid response to this solicitation process for this project.**
- 1.3 Purpose:** The City of Grand Junction is soliciting competitive bids from qualified and interested companies for all labor, equipment, and materials required for the 2022 Waterline Replacement Project – Phase 2. All dimensions and Scope of Work should be verified by Contractors prior to submission of bids.
- 1.4 Prequalification Requirement:** Contractors submitting bids over \$500,000 must be pre-qualified in accordance with the City's "*Contractors Prequalification Application*". All bids received by the specified time will be opened, but the City will reject bids over \$500,000 from Contractors who have not been prequalified. Application forms for prequalification are available by clicking the [Application Link](#) Call 970-256-4082 for additional information. Due to the time required to process applications, all applications must be submitted no later than the application due date stated in the solicitation document. Contractors may view its approved pre-qualified categories by clicking the [Pre-Qualification List Link](#).
- 1.5 The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout this Solicitation. The term Owner means the Owner or its authorized representative.

- 1.6 Compliance:** All Offerors, by submitting a bid, agree to comply with all conditions, requirements, and instruction of this IFB as stated or implied herein. Should the Owner omit anything which is necessary to clear understanding of the requirements, or should it appear that various instructions are in conflict, the Offeror(s) shall secure instructions from the Purchasing Agent prior to submittal deadline.
- 1.7 Procurement Process:** The most current version of the City of Grand Junction [Purchasing Policy and Procedure Manual](#) is contacting.
- 1.8 Submission:** See Section 4.0 for preparation and Submittal Terms. Bids shall be formatted as directed in Section 4.0. Submittals that fail to follow this format may be ruled non-responsive.

**Bid Opening 2022 Waterline Replacement Project Phase 2 IFB-5217-3-DD**

**Apr 26, 2023, 2:00 – 2:30 PM (America/Denver)**

Please join my meeting from your computer, tablet or smartphone.

<https://meet.goto.com/704518733>

You can also dial in using your phone.

Access Code:

704-518-733

United States:

[+1 \(872\) 240-3311](tel:+1(872)240-3311)

Join from a video-conferencing room or system.

Meeting ID:

704-518-733

Dial in or type:

67.217.95.2 or inroomlink.goto.com

Or dial directly:

704518733@67.217.95.2 or 67.217.95.2##704518733

**Get the app now and be ready when your first meeting starts:**

<https://meet.goto.com/install>

- 1.9 Modification and Withdrawal of Bids Before Opening** Bids may be modified or withdrawn by an appropriate document stating such, duly executed and submitted to the place where Bids are to be submitted at any time prior to Bid Opening.
- 1.10 Form for Price Bid:** All Price Bids must be made upon the Price Bid Schedule attached and should give the amounts both in words and in figures and must be signed and acknowledged by the Offeror.

The Offeror shall specify a unit price in figures for each pay item for which a quantity is given and shall provide the products (in numbers) of the respective unit prices and quantities in the Extended Amount column. The total Bid price shall be equal to the sum of all extended amount prices. When an item in the Price Bid Schedule provides a choice to be made by the Offeror, Offeror's choice shall be indicated in accordance with the specifications for that particular item and thereafter no further choice shall be permitted.



Where the unit of a pay item is lump sum, the lump sum amount shall be shown in the "extended amount" column and included in the summation of the total Bid. All blank spaces in the Price Bid Schedule must be properly filled out.

Bids by corporations must be executed in the corporate name by the president or vice president or other corporate office accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown below the signature.

Bids by partnerships must be executed in the partnership name and signed by a partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

All names must be typed or printed below the signature.

The Offeror's Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Contractor's Bid Form.

The contact information to which communications regarding the Bid are to be directed must be shown.

- 1.11 Exclusions:** No oral, telephonic, emailed, or facsimile bid will be considered.
- 1.12 Contract Documents:** The complete IFB and Offeror's response compose the Contract Documents. Copies of bid documents can be obtained from the City Purchasing website, <https://co-grandjunction.civicplus.com/501/Purchasing-Bids> .
- 1.13 Additional Documents:** The July 2010 edition of the "City Standard Contract Documents for Capital Improvements Construction", Plans, Specifications and other Bid Documents are available for review or download on the Purchasing Bids page at <https://co-grandjunction.civicplus.com/501/Purchasing-Bids>.
- 1.14 Definitions and Terms:** See Article I, Section 3 of the General Contract Conditions in the *Standard Contract Documents for Capital Improvements Construction*.
- 1.15 Examination of Specifications:** Offerors shall thoroughly examine and be familiar with the project Statement of Work. The failure or omission of any Offeror to receive or examine any form, addendum, or other document shall in no way relieve any Offeror from any obligation with respect to its bid. The submission of a bid shall be taken as evidence of compliance with this section. Prior to submitting a bid, each Offeror shall, at a minimum:
- a. Examine the *Contract Documents* thoroughly.
  - b. Visit the site to familiarize itself with local conditions that may in any manner affect cost, progress, or performance of the Work;
  - c. Study and carefully correlate Offeror's observations with the *Contract Documents*, and;
  - d. Notify the Purchasing Agent of all conflicts, errors, ambiguities, or discrepancies in or among the *Contract Documents* within the designated inquiry period.

On request, the Owner will provide each Offeror access to the site to conduct such investigations and tests as each Offeror deems necessary for submission of a Bid. It shall be the Offeror's responsibility to make or obtain any additional examinations, investigations, explorations, tests and studies and obtain any additional information and data which pertain to the physical conditions (including without limitation, surface, subsurface and underground utilities) at or contiguous to the site or otherwise which may affect cost, progress or performance of the Work and which the Offeror deems necessary to determine its Bid for performing the Work in accordance with the time, price and other terms and conditions of the Contract Documents. Location of any excavation or boring made by Offeror shall be subject to prior approval of Owner and applicable agencies. Offeror shall fill all holes, restore all pavements to match the existing structural section and shall clean up and restore the site to its former condition upon completion of such exploration. The Owner reserves the right to require the Offeror to execute an access agreement with the Owner prior to accessing the site.

The lands upon which the Work is to be performed, rights of way, and access thereto, and other lands designated for use by Contractor in performing the Work, are identified on the Drawings.

Information and data reflected in the *Contract Documents* with respect to underground utilities at or contiguous to the site are based upon information and data furnished to the Owner and the Engineer by the owners of such underground utilities or others, and the Owner does not assume responsibility for the accuracy or completeness thereof, unless it is expressly provided otherwise in the *Contract Documents*.

By submission of a Bid, the Offeror shall be conclusively presumed to represent that the Offeror has complied with every requirement of these Instructions to Offerors, that the *Contract Documents* are not ambiguous and are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

- 1.16 Questions Regarding Statement of Work:** Any information relative to interpretation of Scope of Work or specifications shall be requested of the Purchasing Agent, in writing, in ample time, prior to the inquiry deadline.
- 1.17 Addenda & Interpretations:** If it becomes necessary to revise any part of this solicitation, a written addendum will be posted electronically on the City's website at <https://co-grandjunction.civicplus.com/501/Purchasing-Bids>. The Owner is not bound by any oral representations, clarifications, or changes made in the written specifications by Owner, unless such clarification or change is provided in written addendum form from the City Purchasing Representative.
- 1.18 Taxes:** The Owner is exempt from State, County, and Municipal Sales Tax and Federal Excise Tax, therefore, all fees/bids should not include taxes.
- 1.19 Sales and Use Taxes:** The Contractor and all Subcontractors are required to obtain exemption certificates from the Colorado Department of Revenue for sales and use taxes in accordance with the provisions of the General Contract Conditions, Section XVI "Taxes". Bids shall reflect this method of accounting for sales and use taxes on materials, fixtures, and equipment.

- 1.20 Offers Binding 60 Days:** Unless additional time is required by the Owner, or otherwise specified, all formal offers submitted shall be binding for sixty (60) calendar days following opening date, unless the Offeror, upon request of the Purchasing Agent, agrees to an extension.
- 1.21 Exceptions and Substitutions:** All bids meeting the intent of this IFB shall be considered for award. An Offeror taking exception to the specifications does so at the Offeror's risk. The Owner reserves the right to accept or reject any or all substitutions or alternatives. When offering substitutions and/or alternatives, Offeror must state any exception(s) in the section to which the exception(s) pertain. Exception/substitution, if accepted, must meet or exceed the stated intent and/or specifications. The absence of stated exception(s) indicates that the Offeror has not taken exception, and if awarded a Contract shall hold the Offeror responsible to perform in strict accordance with the specifications or scope of the bid and Contract Documents.
- 1.22 Collusion Clause:** Each Offeror by submitting a bid certifies that it is not party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any and all bids shall be rejected if there is evidence or reason for believing that collusion exists among Offerors. The Owner may, or may not, accept future bids for the same Work or commodities from participants in such collusion.
- 1.23 Disqualification of Offerors:** A Bid will not be accepted from, nor shall a Contract be awarded to, any person, Contractor, or corporation that is in arrears to the Owner, upon debt or Contract, or that has defaulted, as surety or otherwise, upon any obligation to the Owner, or that is deemed irresponsible or unreliable.

Offerors may be required to submit satisfactory evidence that they are responsible, have a practical knowledge of the project bid upon and that has the necessary financial and other resources to complete the proposed Work.

Either of the following reasons, without limitation, shall be considered sufficient to disqualify an Offeror and Bid:

- a. More than one Bid is submitted for the same Work from an individual, Contractor, or corporation under the same or different name: and
  - b. Evidence of collusion among Offerors. Any participant in such collusion shall not receive recognition as an Offeror for any future Work of the Owner until such participant has been reinstated as a qualified Offeror.
- 1.24 Public Disclosure Record:** If the Offeror has knowledge of its employee(s) or sub-contractors having an immediate family relationship with an Owner employee or elected official, the Offeror must provide the Purchasing Agent with the name(s) of the individuals. The individuals are required to file a "Public Disclosure Record", a statement of financial interest, before conducting business with the Owner.

## **2. General Contract Conditions for Construction Projects**

- 2.1 The Contract:** This Invitation for Bid, submitted documents, and any negotiations, when properly accepted by the Owner, shall constitute an enforceable agreement equally binding between the Owner and Contractor. The Contract represents the entire and integrated agreement between the Owner and the Contractor and supersedes all prior negotiations, representations, or agreements, either written or oral including the bid documents. The Contract may be amended or modified with Change Orders, Field Orders, or Addendums.
- 2.2 The Work:** The term Work includes all labor necessary to produce the construction required by the Contract Documents, and all materials and equipment incorporated or to be incorporated in such construction.
- 2.3 Execution, Correlation, Intent, and Interpretations:** The Contract Documents shall be signed by the Owner and Contractor. By executing the Contract, the Contractor represents that it has familiarized itself with the local conditions under which the Work is to be performed and correlated its observations with the requirements of the Contract Documents. The Contract Documents are complementary, and what is required by anyone, shall be as binding as if required by all. The intention of the Contract Documents is to include all labor, materials, equipment, services, and other items necessary for the proper execution and completion of the Scope of Work as defined in the technical specifications and drawings contained herein. All drawings, specifications and copies furnished by the Owner are, and shall remain, Owner property. It is not to be used on any other project.
- 2.4 The Owner:** The Owner is the City of Grand Junction, Colorado and is referred to throughout the Contract Documents. The term Owner means the Owner or its authorized representative. The Owner shall, at all times, have access to the Work wherever it is in preparation and progress. The Contractor shall provide facilities for such access. The Owner will make periodic visits to the site to familiarize itself generally with the progress and quality of Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. Based on such observations and the Contractor's Application for Payment, the Owner will determine the amounts owing to the Contractor and will issue Certificates for Payment in such amounts, as provided in the Contract. The Owner will have authority to reject Work which does not conform to the Contract Documents. Whenever, in its reasonable opinion, it considers it necessary or advisable to ensure the proper implementation of the intent of the Contract Documents, it will have authority to require the Contractor to stop the Work or any portion, or to require special inspection or testing of the Work, whether or not such Work can be then be fabricated, installed, or completed. The Owner will not be responsible for the acts or omissions of the Contractor, and Sub-Contractor, or any of its agents or employees, or any other persons performing any of the Work.
- 2.5 Contractor:** The Contractor is the person or organization identified as such in the Agreement and is referred to throughout the Contract Documents. The term Contractor means the Contractor or its authorized representative. The Contractor shall carefully study and compare the General Contract Conditions of the Contract, Specification and

Drawings, Scope of Work, Addenda and Modifications and shall at once report to the Owner any error, inconsistency, or omission it may discover. Contractor shall not be liable to the Owner for any damage resulting from such errors, inconsistencies, or omissions. The Contractor shall not commence Work without clarifying Drawings, Specifications, or Interpretations.

- 2.6. Sub-Contractors:** A Sub-Contractor is a person or organization who has a direct Contract with the Contractor to perform any of the Work at the site. The term Sub-Contractor is referred to throughout the Contract Documents and means a Sub-Contractor or its authorized representative.
- 2.7. Award of Sub-Contractors & Other Contracts for Portions of the Work:** Contractor shall submit with its bid response to the Owner, in writing for acceptance, a list of the names of the sub-contractors or other persons or organizations proposed for such portions of the Work as may be designated in the proposal requirements, or, if none is so designated, the names of the sub-contractors proposed for the principal portions of the Work. Prior to the award of the Contract, the Owner shall notify the successful Contractor in writing if, after due investigation, has reasonable objection to any person or organization on such list. If, prior to the award of the Contract, the Owner has a reasonable and substantial objection to any person or organization on such list and refuses in writing to accept such person or organization, the successful Contractor may, prior to the award, withdraw its proposal without forfeiture of proposal security. If the successful Contractor submits an acceptable substitute with an increase in the proposed price to cover the difference in cost occasioned by the substitution, the Owner may, at its discretion, accept the increased proposal or may disqualify the Contractor. If, after the award, the Owner refuses to accept any person or organization on such list, the Contractor shall submit an acceptable substitute and the Contract sum shall be increased or decreased by the difference in cost occasioned by such substitution and an appropriate Change Order shall be issued. However, no increase in the Contract sum shall be allowed for any such substitution unless the Contractor has acted promptly and responsively in submitting a name with respect thereto prior to the award.
- 2.8. Quantities of Work and Unit Price:** Materials or quantities stated as unit price items in the Bid are supplied only to give an indication of the general scope of the Work, and are as such, estimates only. The Owner does not expressly or by implication agree that the actual amount of Work or material will correspond therewith and reserves the right after award to increase or decrease the quantity of any unit item of the Work without a change in the unit price except as set forth in Article VIII, Section 70 of the *General Contract Conditions*. The City also reserves the right to make changes in the Work (including the right to delete any bid item in its entirety or add additional bid items) as set forth in Article VIII, Sections 69 through 71 of the *General Contract Conditions*.
- 2.9. Substitutions:** The materials, products and equipment described in the *Solicitation Documents* shall be regarded as establishing a standard of required performance, function, dimension, appearance, or quality to be met by any proposed substitution. No substitution will be considered prior to receipt of Bids unless the Offeror submits a written request for approval to the Purchasing Agent at least ten (10) days prior to the date for receipt of Bids. Such requests for approval shall include the name of the material or equipment for which substitution is sought and a complete description of the proposed

substitution including drawings, performance and test data, and other information necessary for evaluation, including samples if requested. The Offeror shall set forth changes in other materials, equipment, or other portions of the Work including changes of the Work of other Contracts, which incorporation of the proposed substitution would require to be included. The Owner's decision of approval or disapproval of a proposed substitution shall be final. If the Owner approves a proposed substitution before receipt of Bids, such approval will be set forth in an Addendum. Offerors shall not rely upon approvals made in any other manner.

- 2.10. Supervision and Construction Procedures:** The Contractor shall supervise and direct the Work, using its best skill and attention. It shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract.
- 2.11. Warranty:** The Contractor warrants to the Owner that all materials and equipment furnished under this Contract will be new unless otherwise specified, and that all Work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All Work not conforming to these standards may be considered defective. If required by Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. If within ten (10) days after written notice to the Contractor requesting such repairs or replacement, the Contractor should neglect to make or undertake with due diligence to the same, the City may make such repairs or replacements. All indirect and direct costs of such correction or removal or replacement shall be at the Contractor's expense. The Contractor will also bear the expenses of making good all Work of others destroyed or damaged by the correction, removal, or replacement of its defective Work.
- 2.12. Permits, Fees, & Notices:** The Contractor shall secure and pay for all permits, governmental fees, and licenses necessary for the proper execution and completion of the Work. The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and orders of any public authority, including the City, bearing on the performance of the Work. If the Contractor observes that any of the Contract Documents are at variance in any respect, it shall promptly notify the Purchasing Agent in writing, and any necessary changes shall be adjusted. If the Contractor performs any Work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Owner, it shall assume full responsibility and shall bear all costs attributable to the non-conforming Work.
- 2.13. Responsibility for Those Performing the Work:** The Contractor shall be responsible to the Owner for the acts and omissions of all its employees and all sub-contractors, its agents and employees, and all other persons performing any of the Work under a Contract with the Contractor.
- 2.14. Use of the Site:** The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits and the Contract Documents, and shall not unreasonably encumber the site with any materials or equipment.
- 2.15. Cleanup:** The Contractor at all times shall keep the premises free from accumulation of waste materials or rubbish caused by its operations. At the completion of Work, it shall

remove all its waste materials and rubbish from and about the project, as well as all its tools, construction equipment, machinery, and surplus materials.

**2.16. Insurance Requirements:** The selected Contractor agrees to procure and maintain, at its own cost, policy(s) of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by the Contractor pursuant to the Contract. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to the Contract by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types.

Contractor shall procure and maintain and, if applicable, shall cause any Sub-contractor of the Contractor to procure and maintain insurance coverage listed below. Such coverage shall be procured and maintained with forms and insurers acceptable to Owner. All coverage shall be continuously maintained to cover all liability, claims, demands, and other obligations assumed by the Contractor pursuant to the Contract. In the case of any claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage. Minimum coverage limits shall be as indicated below unless specified otherwise in the Special Conditions:

(a) Worker Compensation: Contractor shall comply with all State of Colorado Regulations concerning Workers' Compensation insurance coverage.

(b) General Liability insurance with minimum limits of:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) per job aggregate.

The policy shall be applicable to all premises, products, and completed operations. The policy shall include coverage for bodily injury, broad form property damage (including completed operations), personal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall include coverage for explosion, collapse, and underground (XCU) hazards. The policy shall contain a severability of interests' provision.

(c) Comprehensive Automobile Liability insurance with minimum limits for bodily injury and property damage of not less than:

ONE MILLION DOLLARS (\$1,000,000) each occurrence and  
ONE MILLION DOLLARS (\$1,000,000) aggregate

(d) Professional Liability & Errors and Omissions Insurance policy with a minimum of:

ONE MILLION DOLLARS (\$1,000,000) per claim

This policy shall provide coverage to protect the City against liability incurred as a result of the professional Services performed as a result of responding to this Solicitation.

With respect to each of Contractors owned, hired, or non-owned vehicles assigned to be used in performance of the Work. The policy shall contain a severability of interest provision.

**2.16.1 Additional Insured Endorsement:** The policies required by paragraphs (b), and (c) above shall be endorsed to include Grand Junction, its Elected and Appointed Officials, Employees and Volunteers as Additional Insured. Every required policy above shall be primary insurance, and any insurance carried by the Owner, its officers, or its employees, or carried by or provided through any insurance pool of the Owner, shall be excess and not contributory insurance to that provided by the Contractor. The Contractor shall be solely responsible for any deductible losses under any policy required above.

**2.17. Indemnification:** The Contractor shall defend, indemnify and save harmless the Owner, and all its officers, employees, insurers, and self-insurance pool, from and against all liability, suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the Contractor, or of any Contractor's agent, employee, Sub-Contractor or supplier in the execution of, or performance under, any Contract which may result from proposal award. Contractor shall pay any judgment with cost which may be obtained by and/or against the Owner growing out of or under the performance.

**2.18. Miscellaneous Conditions: Material Availability:** Contractors must accept responsibility for verification of material availability, production schedules, and other pertinent data prior to submission of bid. It is the responsibility of the Offeror to notify the Owner immediately if materials specified are discontinued, replaced, or not available for an extended period of time.

**2.19. OSHA Standards:** All Offerors agree and warrant that services performed in response to this invitation shall conform to the standards declared by the US Department of Labor under the Occupational Safety and Health Act of 1970 (OSHA). In the event the services do not conform to OSHA standards, the Owner may require the services to be redone at no additional expense to the Owner.

**2.20. Time:** Time is of the essence with respect to the time of completion of the Project and any other milestones or deadline which are part of the Contract. It will be necessary for each Offeror to satisfy the City of its ability to complete the Work within the Contract time set forth in the Contract Documents. The Contract time is the period of time allotted in the Contract Documents for completion of the Work. The date of commencement of the Work is the date established in a Notice to Proceed. If there is no Notice to Proceed, it shall be the date of the Contract, or such other date as may be established therein, or as established as entered on the Bid Form. The Date of Final Completion of the Work is the date certified by the Owner when all construction, and all other Work associated to include, but not be limited to: testing, QA/QC, receipt of required reports and/or forms, grant requirements (if applicable), punch list items, clean-up, receipt of drawings and/or as-builts, etc., is fully complete, and in accordance with the Contract Documents.

**2.21. Progress & Completion:** The Contractor shall begin the Work on the Commencement Date as noted on the Notice to Proceed and perform the Work expeditiously with adequate forces to complete the Work within the Contract time/by the Completion date.



- 2.22. Payment & Completion:** The Contract Sum is stated in the Contract and is the total amount payable by the Owner to the Contractor for the performance of the Work under the Contract Documents. Upon receipt of written notice that the Work is ready for final inspection and acceptance and upon receipt of application for payment, the Owner's Project Manager will promptly make such inspection and, when it finds the Work acceptable under the Contract Documents and the Contract fully performed, the Owner shall make payment in the manner provided in the Contract Documents.
- 2.23. Bid Bond:** Each Bid shall as a guaranty of good faith on the part of the Offeror be accompanied by a Bid Guaranty consisting of a certified or cashier's check drawn on an approved national bank or trust company in the state of Colorado and made payable without condition to the City; or a **Bid Bond** written by an approved corporate surety in favor of the City. The amount of the Bid Guaranty shall not be less than 5% of the total Bid amount. Once a Bid is accepted and a Contract is awarded, the apparent successful Offeror has ten calendar days to enter into a Contractor in the form prescribed and to furnish the bonds with a legally responsible and approved surety. Failure to do so will result in forfeiture of the Bid Guaranty to the City as Liquidated Damages.

Each Offeror shall guaranty its total bid price for a period of sixty (60) Calendar Days from the date of the bid opening.

- 2.24. Performance & Payment Bonds:** Contractor shall furnish a Performance and a Payment Bond, each in an amount at least equal to that specified for the Contract amount as security for the faithful performance and payment of all Contractor's obligations under the Contract Documents. The bonds shall remain in effect for the duration of the Warranty Period (as specified in the Special Conditions). Contractor shall also furnish other bonds as required by the Special Conditions. All bonds shall be in the forms prescribed by the Contract Documents and be executed by such sureties as (1) are licensed to conduct business in the State of Colorado and (2) are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Audit Staff, Bureau of Accounts, U.S. Treasury Department. All bonds signed by an agent must be accompanied by a certified copy of the Authority Act. If the surety on any bond furnished by the Contractor is declared bankrupt, or becomes insolvent, or its rights to do business in Colorado are terminated, or it ceases to meet the requirements of clauses (1) and (2) of this section, Contractor shall within five (5) days thereafter substitute another bond and surety, both of which shall be acceptable to the City.
- 2.25. Retention:** The Owner will deduct money from the partial payments in amounts considered necessary to protect the interest of the Owner and will retain this money until after completion of the entire Contract. The amount to be retained from partial payments will be five (5) percent of the value of the completed Work, and not greater than five (5) percent of the amount of the Contract. When the retainage has reached five (5) percent of the amount of the Contract no further retainage will be made and this amount will be retained until such time as final payment is made.
- 2.26. Liquidated Damages for Failure to Enter Into Contract:** Should the Successful Offeror fail or refuse to enter into the Contract within ten Calendar Days from the issuance of the Notice of Award, the City shall be entitled to collect the amount of such Offeror's Bid

Guaranty as Liquidated Damages, not as a penalty but in consideration of the mutual release by the City and the Successful Offeror of all claims arising from the City's issuance of the Notice of Award and the Successful Offeror's failure to enter into the Contract and the costs to award the Contract to any other Offeror, to readvertise, or otherwise dispose of the Work as the City may determine best serves its interest.

**2.27. Liquidated Damages for Failure to Meet Project Completion Schedule:** If the Contractor does not achieve Final Completion by the required date, whether by neglect, refusal or any other reason, the parties agree and stipulate that the Contractor shall pay liquidated damages to the City for each such day that final completion is late. As provided elsewhere, this provision does not apply for delays caused by the City. The date for Final Completion may be extended in writing by the Owner.

The Contractor agrees that as a part of the consideration for the City's awarding of this Contract liquidated damages in the daily amount of **\$1,500.00** is reasonable and necessary to pay for the actual damages resulting from such delay. The parties agree that the real costs and injury to the City for such delay include hard to quantify items such as: additional engineering, inspection and oversight by the City and its agents; additional Contract administration; inability to apply the efforts of those employees to the other Work of the City; perceived inefficiency of the City; citizens having to deal with the construction and the Work, rather than having the benefit of a completed Work, on time; inconvenience to the public; loss of reputation and community standing for the City during times when such things are very important and very difficult to maintain.

The Contractor must complete the Work and achieve final completion included under the Bid Schedule in the number of consecutive calendar days after the City gives is written Notice to Proceed. When the Contractor considers the entire Work ready for its intended use, Contractor shall certify in writing that the Work is fully complete. Final Completion date is the date by which the Contractor shall have fully completed all clean-up, and all items that were identified by the City in the inspection for final completion. Unless otherwise stated in the Special Conditions, for purposes of this liquidated damages clause, the Work shall not be finished, and the Contract time shall continue to accrue until the City gives its written Final Acceptance.

If the Contractor shall fail to pay said liquidated damages promptly upon demand thereof after having failed to achieve Final Completion on time, the City shall first look to any retainage or other funds from which to pay said liquidated damages; if retainage or other liquid funds are not available to pay said liquidated damages amounts, the Surety on the Contractor's Performance Bond and Payment Bond shall pay such liquidated damages. In addition, the City may withhold all, or any part of, such liquidated damages from any payment otherwise due the Contractor.

Liquidated damages as provided do not include any sums to reimburse the City for extra costs which the City may become obligated to pay on other Contracts which were delayed or extended because of the Contractor's failure to complete the Work within the Contract Time. Should the City incur additional costs because of delays or extensions to other Contracts resulting from the Contractor's failure of timely performance, the Contractor agrees to pay these costs that the City incurs because of the Contractor's delay, and these payments are separate from and in addition to any liquidated damages.

The Contractor agrees that the City may use its own forces or hire other parties to obtain Final Completion of the Work if the time of completion has elapsed and the Contractor is not diligently pursuing completion. In addition to the Liquidated Damages provided for, the Contractor agrees to reimburse the City for all expenses thus incurred.

- 2.28. Contingency/Force Account/Minor Contract Revisions:** Contingency/Force Account/Minor Contract Revisions Work will be authorized by the Owner's Project Manager and is defined as minor expenses to cover miscellaneous or unforeseen expenses related to the project. The expenses are not included in the Drawings, Specifications, or Scope of Work and are necessary to accomplish the scope of this Contract. Contingency/Force Account/Minor Contract Revisions Authorization will be directed by the Owner through an approved form. Contingency/Force Account/Minor Contract Revisions funds are the property of the Owner and any Contingency/Force Account/Minor Contract Revisions funds, not required for project completion, shall remain the property of the Owner. Contractor is not entitled to any Contingency/Force Account/Minor Contract Revisions funds, that are not authorized by Owner or Owner's Project Manager.
- 2.29. Protection of Persons & Property:** The Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public authority having jurisdiction for the safety of persons or property or to protect it from damage, injury, or loss. Contractor shall erect and maintain, as required by existing safeguards for safety and protection, and all reasonable precautions, including posting danger signs or other warnings against hazards promulgating safety regulations and notifying owners and users of adjacent utilities. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct by the Contractor in the execution of the Work, or in consequence of the non-execution thereof by the Contractor, it shall restore, at its own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, or otherwise restoring as may be directed, or it shall make good such damage or injury in an acceptable manner.
- 2.30. Changes in the Work:** The Owner, without invalidating the Contract, may order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract sum and the Contract time being adjusted accordingly. All such changes in the Work shall be authorized by Change Order and shall be executed under the applicable conditions of the contract documents. A Change Order is a written order to the Contractor signed by the Owner issued after the execution of the Contract, authorizing a change in the Work or an adjustment in the contract sum or the Contract time. The Contract sum and the Contract time may be changed only by Change Order.
- 2.31. Claims for Additional Cost or Time:** If the Contractor wishes to make a claim for an increase in the Contract sum or an extension in the Contract time, it shall give the Owner written notice thereof within a reasonable time after the occurrence of the event giving rise to such claim. This notice shall be given by the Contractor before proceeding to execute the Work, except in an emergency endangering life or property in which case the Contractor shall precede in accordance with the regulations on safety. No such claim shall be valid unless so made. Any change in the Contract sum or Contract time resulting from such claim shall be authorized by Change Order.

- 2.32. Minor Changes in the Work:** The Owner shall have authority to order minor changes in the Work not involving an adjustment in the Contract sum or an extension of the Contract time and not inconsistent with the intent of the Contract Documents.
- 2.33. Field Orders:** The Owner may issue written Field Orders which interpret the Contract Documents in accordance with the specifications, or which order minor changes in the Work in accordance with the agreement, without change in the Contract sum or time. The Contractor shall carry out such Field Orders promptly.
- 2.34. Uncovering & Correction of Work:** The Contractor shall promptly correct all Work rejected by the Owner as defective or as failing to conform to the Contract Documents whether observed before or after substantial completion and whether or not fabricated installed or completed. The Contractor shall bear all costs of correcting such rejected Work, including the cost of the Owner's additional services thereby made necessary. If within one (1) year after the date of completion or within such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents, any of the Work found to be defective or not in accordance with the Contract documents, the Contractor shall correct it promptly after receipt of a written notice from the Owner to do so unless the Owner has previously given the Contractor a written acceptance of such condition. The Owner shall give such notice promptly after discovery of condition. All such defective or non-conforming Work under the above paragraphs shall be removed from the site where necessary and the Work shall be corrected to comply with the Contract Documents without cost to the Owner. The Contractor shall bear the cost of making good all Work of separate Contractors destroyed or damaged by such removal or correction. If the Owner prefers to accept defective or non-conforming Work, it may do so instead of requiring its removal and correction, in which case a Change Order will be issued to reflect an appropriate reduction in the payment or Contract sum, or, if the amount is determined after final payment, it shall be paid by the Contractor.
- 2.35. Amendment:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting Contract. All amendments to the Contract shall be made in writing by the Owner.
- 2.36. Assignment:** The Contractor shall not sell, assign, transfer or convey any Contract resulting from this IFB, in whole or in part, without the prior written approval from the Owner.
- 2.37. Compliance with Laws:** Offers must comply with all Federal, State, County, and local laws governing the Work and the fulfillment of the Work for and on behalf of the public. Contractor hereby warrants that it is qualified to assume the responsibilities and render the Work described herein and has all requisite corporate authority and professional licenses in good standing required by law.
- 2.38. Confidentiality:** All information disclosed by the Owner to the Contractor for the purpose of the Work to be done or information that comes to the attention of the Contractor during the course of performing such Work is to be kept strictly confidential.

- 2.39 Conflict of Interest:** No public official and/or City/County employee shall have interest in any Contract resulting from this Invitation for Bid.
- 2.40 Contract Termination:** This Contract shall remain in effect until any of the following occurs: (1) Contract expires; (2) completion of Work; (3) final acceptance of Work or, (4) for convenience terminated by either party with a written *Notice of Cancellation* stating therein the reasons for such cancellation and the effective date of cancellation at least thirty (30) days past notification.
- 2.41 Employment Discrimination:** During the performance of any services per agreement with the Owner, the Contractor, by submitting a Bid, agrees to the following conditions:
- 2.41.1** The Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, age, handicap, or national origin except when such condition is a legitimate occupational qualification reasonably necessary for the normal operations of the Contractor. The Contractor agrees to post in conspicuous places, visible to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- 2.41.2** The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an Equal Opportunity Employer.
- 2.41.3** Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- 2.42 Affirmative Action:** In executing a Contract with the City, the Contractor agrees to comply with Affirmative Action and Equal Employment Opportunity regulations presented in the General Contract Conditions Section 9 "Affirmative Action/EEO.
- 2.43. Immigration Reform and Control Act of 1986 and Immigration Compliance:** The Contractor certifies that it does not and will not during the performance of the Contract employ workers without authorization or otherwise violate the provisions of the Federal Immigration Reform and Control Act of 1986 and/or laws regulating immigration compliance.
- 2.44. Ethics:** The Contractor shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official, or agent of the Owner.
- 2.45. Failure to Deliver:** In the event of failure of the Contractor to perform in accordance with the Contract Documents, the Owner, after due oral or written notice, may procure the Work from other sources and hold the Contractor responsible for any costs resulting in additional Work, materials and/or administration services necessary to perform the Work. This remedy shall be in addition to any other remedies that the Owner may have.
- 2.46. Failure to Enforce:** Failure by the Owner at any time to enforce the provisions of the Contract shall not be construed as a waiver of any such provisions. Such failure to

enforce shall not affect the validity of the Contract or any part thereof or the right of the Owner to enforce any provision of the Contract Documents at any time in accordance with the terms thereof.

- 2.47. Force Majeure:** The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the Contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the Contractor, unless otherwise specified in the Contract.
- 2.48. Independent Contractor:** The Contractor shall be legally considered an Independent Contractor and neither the Contractor nor its employees shall, under any circumstances, be considered servants or agents of the Owner. The Owner shall be at no time legally responsible for any negligence or other wrongdoing by the Contractor, its servants, or agents. The Owner shall not withhold from the Contractor payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security, or any other amounts for benefits to the Contractor. Further, the Owner shall not provide to the Contractor any insurance coverage or other benefits, including Workers' Compensation, normally provided by the Owner for its employees.
- 2.49. Nonconforming Terms and Conditions:** A bid that includes terms and conditions that do not conform to the terms and conditions of this Invitation for Bid is subject to rejection as non-responsive. The Owner reserves the right to permit the Contractor to withdraw nonconforming terms and conditions from its bid prior to a determination by the Owner of non-responsiveness based on the submission of nonconforming terms and conditions.

Items for non-responsiveness may include, but not be limited to:

- a. Submission of the Bid on forms other than those supplied by the City;
- b. Alteration, interlineation, erasure, or partial detachment of any part of the forms which are supplied herein;
- c. Inclusion of unauthorized additions conditional or alternate Bids or irregularities of any kind which may tend to make the Bid incomplete, indefinite, or ambiguous as to its meaning;
- d. Failure to acknowledge receipt of any or all issued Addenda;
- e. Failure to provide a unit price or a lump sum price, as appropriate, for each pay item listed except in the case of authorized alternative pay items;
- f. Failure to list the names of Subcontractors used in the Bid preparation as may be required in the Solicitation Documents;
- g. Submission of a Bid that, in the opinion of the Owner, is unbalanced so that each item does not reasonably carry its own proportion of cost or which contains inadequate or unreasonable prices for any item;
- h. Tying of the Bid with any other bid or Contract; and

- i. Failure to calculate Bid prices as described herein.

**2.50. Evaluation of Bids and Offerors:** The Owner reserves the right to:

- reject any and all Bids,
- waive any and all informalities,
- take into account any prompt payment discounts offered by Offeror,
- negotiate final terms with the Successful Offeror,
- take into consideration past performance of previous awards/Contracts with the Owner of any Contractor, Vendor, Contractor, Supplier, or Service Provider in determining final award. and
- disregard any and all nonconforming, nonresponsive, or conditional Bids.

Discrepancies between words and figures will be resolved in favor of words. Discrepancies between Unit Prices and Extended Prices will be resolved in favor of the Unit Prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. The corrected extensions and totals will be shown in the tabulation of Bids.

The Owner may consider the qualifications and experience of Subcontractors and other persons and organizations (including those who are to furnish the principal items of material or equipment) proposed for those portions of the Work as to which the identity of Subcontractors and other persons and organizations must be submitted. Operating costs, maintenance considerations performance data, and guarantees of materials and equipment may also be considered by the Owner.

The Owner will conduct such investigations as deemed necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications, and financial ability of the Offeror, proposed Subcontractors and other persons and organizations to do the Work in accordance with the *Contract Documents* to the City's satisfaction within the Contract Time.

The Offeror shall furnish the Owner all information and data requested by the Owner to determine the ability of the Offeror to perform the Work. The Owner reserves the right to reject the Bid if the evidence submitted by, or investigation of such Offeror fails to satisfy the Owner that such Offeror is properly qualified to carry out the obligations of the Contract and to complete the Work contemplated therein.

By submitting a Bid, each Offeror authorizes the Owner to perform such investigation of the Offeror as the Owner deems necessary to establish the responsibility, qualifications, and financial ability of the Offeror and, by its signature thereon, authorizes the Owner to obtain reference information concerning the Offeror and releases the party providing such information and the Owner from any and all liability to the Offeror as a result of such reference information so provided.

The Owner reserves the right to reject the Bid of any Offeror who does not pass any evaluation to the Owner's satisfaction.

If the Contract is to be awarded, it will be awarded to the Offeror who, by evaluation, the Owner determines will best meet the Owner's interests.

The Owner reserves the right to accept or reject the Work contained in any of the Price Bid Schedules or alternates, either in whole or in part.

**2.51. Award of Contract:** Unless otherwise indicated, a single award will be made for all the bid items in an individual bid schedule. In the event that the Work is contained in more than one Bid Schedule, the City may award Schedules individually or in combination. In the case of two Bid Schedules which are alternative to each other, only one of such alternative Schedules will be awarded. Within forty-five (45) Calendar Days of Bid Opening, the City will issue a Notice of Award to the Successful Offeror which will be accompanied by a Contract electronically submitted via DocuSign for digital signature. Within ten (10) Calendar Days thereafter, the Successful Offeror shall sign and deliver the digitally executed Contract via DocuSign. Performance Bond, Payment Bond, and Certificate of Insurance shall be submitted to the City within ten (10) days of Contract execution. No Contract shall exist between the Successful Offeror and the City and the Successful Offeror shall have no rights at law or in equity until the Contract has been duly executed by the City.

The Successful Offeror's failure to sign and submit a Contract and other documents set forth in this Paragraph within the prescribed time shall be just cause of annulment of the award, and forfeiture of the Bid Guaranty. The award of Contract may then be made to the next qualified Offeror in the same manner as previously prescribed.

**2.52. Ownership:** All plans, prints, designs, concepts, etc., shall become the property of the Owner.

**2.53. Oral Statements:** No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this document and/or resulting agreement. All modifications to this request and any agreement must be made in writing by the Owner.

**2.54. Patents/Copyrights:** The Contractor agrees to protect the Owner from any claims involving infringements of patents and/or copyrights. In no event shall the Owner be liable to the Contractor for any claims, damages, awards and/or costs of defense arising on the grounds of patent(s)/copyright(s) infringement. Patent/copyright infringement shall null and void any agreement resulting from response to this Invitation For Bid.

**2.55. Remedies:** The Contractor and Owner agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

**2.56. Governing Law:** Any agreement as a result of responding to this Invitation For Bid shall be deemed to have been made in, and shall be construed and interpreted in accordance with, the laws of the City of Grand Junction, Mesa County, Colorado.

**2.57. Expenses:** Expenses incurred in preparation, submission, and presentation of a response to this Invitation For Bid are the responsibility of the Offeror and cannot be charged to the Owner.

**2.58. Sovereign Immunity:** The Owner specifically reserves its right to sovereign immunity pursuant to Colorado law as a defense to any action arising out of this Contract.



- 2.59. Public Funds/Non-Appropriation of Funds:** Funds for payment have been provided through the Owner's budget approved by the City Council/Board of County Commissioners for the stated fiscal year only. State of Colorado prohibits the obligation and expenditure of public funds beyond the fiscal year for which a budget has been approved. Therefore, anticipated orders or other obligations that may arise past the end of the stated Owner's fiscal year shall be subject to budget approval. The Contract, if any, will be subject to and must contain a non-appropriation of funds clause/limitation on multi-year fiscal obligations as required by Art X, Section 20 of the Colorado Constitution, and other applicable law(s).
- 2.60. Cooperative Purchasing:** Purchases as a result of this solicitation are primarily for the City/County. Other governmental entities may be extended the opportunity to utilize the resultant Contract award with the agreement of the successful provider and the participating agencies. All participating entities will be required to abide by the specifications, terms, conditions, and pricings established in this Bid. The quantities furnished in this bid document are for only the City/County. It does not include quantities for any other jurisdiction. The City or County will be responsible only for the award for its jurisdiction. Other participating entities will place its own awards on its respective Purchase Orders through its purchasing office or use its purchasing card for purchase/payment as authorized or agreed upon between the provider and the individual entity. The Owner accepts no liability for payment of orders placed by other participating jurisdictions that choose to "piggy-back" on Owner's solicitation. Orders placed by participating jurisdictions under the terms of this solicitation will indicate its specific delivery and invoicing instructions.
- 2.61. Keep Jobs in Colorado Act:** Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, Colorado Revised Statutes (C.R.S.) requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a). If Contractor claims it is entitled to a waiver pursuant to C.R.S. §8-17-101(1), Contractor shall state that there is insufficient Colorado labor to perform the Work such that compliance with Article 17 would create an undue burden that would substantially prevent a project from proceeding to completion and shall include evidence demonstrating the insufficiency and undue burden in its response.

Unless expressly granted a waiver by the Owner pursuant to C.R.S. §8-17-101(1), Contractor shall be responsible for ensuring compliance with Article 17 of Title 8, C.R.S. requiring 80% Colorado labor to be employed on public works. Contractor shall, upon reasonable notice provided by the Owner, permit the Owner to inspect documentation of identification and residency required by C.R.S. §8-17-101(2)(a).

**2.61.1. "Public project" is defined as:**

- (a) any construction, alteration, repair, demolition, or improvement of any land, building, structure, facility, road, highway, bridge, or other public improvement suitable for and intended for use in the promotion of the public health, welfare, or safety and any maintenance programs for the upkeep of such projects.
- (b) for which appropriate or expenditure of moneys may be reasonably expected to be \$500,000.00 or more in the aggregate for any fiscal year
- (c) except any project that receives federal moneys.

### **3. Statement of Work**

**3.1 GENERAL:** The City's water system within the Project area is 4" and 6" cast iron pipe with some asbestos cement pipe. As part of the City's effort to remove cast iron pipe from the system, the Project will be replacing the existing pipe which will be capped and abandoned in place. All fire hydrants within the Project area will be replaced and the old fire hydrants and valves will be pulled and returned to the City. The Project area consists of replacing the waterline generally located between Orchard Avenue and Elm Avenue from N. 18<sup>th</sup> Street to B. 26<sup>th</sup> Street. The effected streets are Hall Ave, Mesa Ave, N. 18<sup>th</sup> Street, N. 19<sup>th</sup> Street, N. 20<sup>th</sup> Street, and N. 21<sup>st</sup> Street.

NOTE: The descriptions of pay items listed in the Price Bid Schedule for this Project may not agree with those listed in the Standard Specifications. Payment for all Work performed as required in the Contract Documents will be in accordance with the units listed in the Price Bid Schedule.

The performance of the Work for this Project shall conform to the General Contract conditions presented in the City of Grand Junction's Standard Contract Documents for Capital Improvements Construction, revised July 2010, except as specifically modified or supplemented herein or on the Construction Drawings or Project Manual.

**3.2. PROJECT DESCRIPTION** The City of Grand Junction is soliciting competitive bids from qualified and interested Contractors for all labor, equipment, and materials required (except for those listed in Section 3.3.13 and the Bid Schedule) for the 2022 Waterline Replacement Project – Phase 2. All dimensions and Scope of Work should be verified by Contractors prior to submission of bids.

The work will include all necessary labor, supervision, equipment, tools, and materials for the replacement of approximately 7,900 LF of 4" and 6" Cast Iron and Asbestos Cement pipe located in the Orchard Mesa area of the City. The Project generally consists of constructing 7,760 LF 6" C900 PVC water main with ¾" copper service line connections, valves, bends, tees, crosses, and fire hydrant assemblies. The existing waterlines will be connected to the existing system as shown on the Construction Documents with the appropriate couplings. Coordination with the City to isolate the connection location to the existing system is required.

**3.3. SPECIAL CONDITIONS & PROVISIONS:** See attached Project Manual.

**3.3.1 Mandatory Pre-Bid Meeting: Prospective Offerors are required to attend a mandatory pre-bid meeting on April 13, 2023, at 3:00PM.** Meeting location shall be in the City Hall Auditorium located at 250 N 5<sup>th</sup> St, Grand Junction CO 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB). **NOTE: Bidders that arrive more than 10 minutes late to the meeting shall not be eligible to submit a bid response to this solicitation process for this project.**

**3.3.2 QUESTIONS REGARDING SOLICIATION PROCESS/SCOPE OF WORK:**  
Dolly Daniels; Senior Buyer  
City of Grand Junction  
[dollyd@gjcity.org](mailto:dollyd@gjcity.org)

**3.3.3 Project Manager:** The Project Manager for the Project is John Eklund, Project Engineer, who can be reached at (970) 244-1558. During Construction, all notices, letters, submittals, and other communications directed to the City shall be addressed and mailed or delivered to:

City of Grand Junction  
Department of Public Works  
Attn: John Eklund, Project Manager  
333 West Avenue, Building C  
Grand Junction, CO 81501

**3.3.4 Contract Administrator:** The Contract Administrator for the Project is Duane Hoff Jr., Contract Administrator, who can be reached at (970)244-1545. During Construction, Contract related inquiries, issues, and other communications shall be directed to:

Duane Hoff Jr., Contract Administrator  
[duaneh@gjcity.org](mailto:duaneh@gjcity.org)

**3.3.5 Pre-Qualification:** Contractors must be pre-qualified in the following categories to submit a bid response for this Project:

- 2E Concrete Sidewalk, Curb, & Gutter
- 3C Waterline Distribution

Contractors may view its approved pre-qualified categories by clicking the [Pre-Qualification List Link](#).

**3.3.6 Affirmative Action:** The Contractor is not required to submit a written Affirmative Action Program for this Project.

**3.3.7 Pricing:** Pricing shall be all inclusive to include but not be limited to: all labor, equipment, supplies, materials, freight (F.O.B. Destination – Freight Pre-paid and Allowed to each site), travel, mobilization costs, fuel, set-up and take down costs, and full-time inspection costs, and all other costs related to the successful completion of the project.

The Owner shall not pay nor be liable for any other additional costs including but not limited to taxes, shipping charges, insurance, interest, penalties, termination payments, attorney fees, liquidated damages, etc.

**3.3.8 Freight/Shipping:** All freight/shipping shall be F.O.B. Destination – Freight Pre-Paid and Allowed to the project site(s), Grand Junction, CO.

Contractor must meet all federal, state, and local rules, regulations, and requirements for providing such services.

**3.3.9 Contract:** A binding Contract shall consist of: (1) the IFB and any amendments thereto, (2) Additional Documents as stated in Section 1.10, (3) the Offeror's response (bid) to the IFB, (4) clarification of the bid, if any, and (5) the City's Purchasing

Department's acceptance of the bid by "Notice of Award" or by "Purchase Order". All Exhibits and Attachments included In the IFB shall be incorporated into the Contract by reference.

A. The Contract expresses the complete agreement of the parties and, performance shall be governed solely by the specifications and requirements contained therein.

B. Any change to the Contract, whether by modification and/or supplementation, must be accomplished by a formal Contract amendment signed and approved by and between the duly authorized representative of the Offeror and the City Purchasing Division or by a modified Purchase Order prior to the effective date of such modification. The Offeror expressly and explicitly understands and agrees that no other method and/or no other document, including acts and oral communications by or from any person, shall be used or construed as an amendment or modification to the Contract.

**3.3.10 Time of Completion:** The scheduled time of Completion for the Project is **120 Calendar Days** from the starting date specified in the Notice to Proceed.

Completion is achieved when site cleanup and all punch list items (resulting from the final inspection) have been completed. Completion shall have the meaning set forth in Article I, Section 3 (Definitions and Terms) of the General Contract Conditions.

**3.3.11 Working Days and Hours:** The working days and hours shall be as stated in the General Contract Conditions or as mutually agreed upon in the preconstruction meeting with the following exception:

All Work shall be performed between the hours of 7:00 AM to 5:00 PM, Monday through Friday.

**3.3.12 Licenses and Permits:** Contractor is responsible for obtaining all necessary licenses and permits required for Construction, at Contractors expense. See Section 2.12. Contractor shall supply to Owner all copies of finalized permits.

**3.3.13 Permits:** The following permits are required for the Project and will be obtained by the City at no cost to the Contractor:

NONE

The following permits are required for the Project and shall be obtained and paid for by the Contractor with the costs included in the total bid price for the Project:

**-Colorado department of Public Health and Environment Dewatering Permit**  
**-Mesa County Stormwater Permit**

**3.3.14 City Furnished Materials:** The City will furnish the following materials for the Project:

- AutoCAD drawings for survey staking
- Door Hangers (if required)

**3.3.15 Project Sign:** Project Signs, if any, will be furnished and installed by the City.

**3.3.16 Project Newsletters:** A newsletter for the Project will be prepared and distributed by the City. It will include general information about the Project including interruptions in utility services, street closures, parking restrictions, project schedule, and the names and telephone numbers of the contacts for the City and Contractor. The newsletter will be mailed approximately one week before the Contractor commences work.

The Contractor will be responsible for notifying all businesses and / or residents located adjacent to the work. Door hanger notifications shall be distributed at least two (2) working days prior to the day the work is scheduled to begin. The City may make door hangers for the Contractor to Distribute. The Contractor is responsible for notifying the Project Manager/Engineer at least one week prior to when the door hangers are to be hung on property doors.

**3.3.17 Authorized Representatives of the City:** Those authorized to represent the City shall include Purchasing Agent, Engineers, and Inspectors employed by the City, only.

**3.3.18 Stockpiling Materials and Equipment:** All stockpiling/storage shall be in accordance with General Contract Condition Section 51.

**3.3.19 Traffic Control:** The Contractor shall provide and maintain traffic control in accordance with the approved Traffic Control Plan and the Manual on Uniform Traffic Control Devices (MUTCD). A Traffic Control Plan shall be prepared by the Contractor and reviewed by the City two (2) days prior to the pre-construction meeting.

No personal driveway or access point to a property shall be left inaccessible at the end of each workday or over a weekend; and no construction equipment shall be parked in front of a driveway or access point during the Contractor's non-working hours. When a driveway or access point must be closed due to construction activity, the Contractor shall provide advanced notification to the affected resident(s) at least two (2) days prior to closure and arrange an alternative access point to the property. Refer to Contract Condition 26 – Maintenance of Access and Services.

Special Conditions for Traffic Control

1. All trenches shall be backfilled or protected at the end of each working day and access restored to all driveways and access points. If trenches are left open at night, the trenches will be limited to 30-feet in length. The entire perimeter of the excavation shall be barricaded with construction equipment and/or temporary construction fence.
2. At times during the project, the Contractor must ensure access is available for the U.S. Postal Service, trash collection trucks, school buses, emergency vehicles, etc., per the General Contract Conditions.
3. The Contractor shall adhere to all traffic control requirements when working within City Right-of-Way (ROW) and CDOT ROW.
4. Detours shall be provided when a section of road is close to through traffic for waterline construction. Residents, employees, and property owners shall have access to the respective properties at all times during construction.

**3.3.20 Clean-Up:** The Contractor is responsible for cleaning up all loose materials that

have been deposited or swept into gutters, and onto sidewalks and driveways as a result of sidewalk operations. The costs for all clean-up work shall be considered incidental and will not be paid for separately.

**3.3.21 Quality Control Testing:** It is the responsibility of the Contractor to provide Quality Control testing per table 1 in the Quality Control (QC) section within the City of Grand Junction's Standard Specifications for Road and Bridge Construction, and per Table 101 within the Standard Specifications for the Construction of Underground Utilities. Table 1 and Table 101 provide the testing frequencies. The Contractor shall provide test frequencies for Full-Time inspection. The cost for QC testing will not be paid for separately but shall be included in the cost of the Project. See Project Manual Section 01400 for further details.

**3.3.22 Quality Assurance Testing:** The City will provide Quality Assurance (QA) testing on this Project at the testing frequencies provided in Table 1 in the City of Grand Junctions' Standard Specifications for the Construction of Underground Utilities. Table 1 and Table 101 provide the testing frequencies. The City will provide testing frequencies for Full-time inspection. The City is contracted with a local Geotechnical testing consultant that will be performing the QA tests. See Project Manual Section 01400 for further details.

**3.3.23 Schedule of Submittals:** Contractor shall deliver these submittals at least two days prior to the pre-construction meeting:

- Traffic Control Plans
- Project Schedule – submitted at or prior to the pre-construction meeting and updated as necessary to reflect actual conditions.
- Traffic Control Plans
- Project Schedule
- Pipe
- Valves
- Fittings
- Couplings
- Bedding Gradation
- Aggregate Base Course, Proctor Curve
- Fire Hydrant Assembly
- Concrete Mix Design
- Corp Stop
- Tracer wire and splices
- Mechanical Joint Restraints and Bell Restraints

**3.3.24 Uranium Mill Tailings:** It is anticipated that radioactive mill tailings can possible be encountered on this Project. The location of radioactive mill tailings is unknown. A pay item for the removal and disposal of radioactive mill tailings has been provided. If mill tailings are encountered, the Contractor will be required to remove the tailings from the trench and haul the millings to the mill tailings disposal site a City Shops located at 333 West Ave. Consult with Project Engineer prior to removing and hauling to disposal site.

**3.3.25 Fugitive Petroleum or Other Contamination:** It is anticipated that soil contamination from fugitive petroleum or other contaminants will not be encountered with this Project.

**3.3.26 Excess Material:** All excess materials shall be disposed in accordance with General Contract Condition Section 50.

**3.3.27 Existing Utilities and Structures:** Utilities were potholed only at connection locations during design of this Project. No other utilities were potholed during design of this Project. The location of existing utilities and structures shown on the Plans is approximate with the information gathered during design. It is the responsibility of the Contractor to pothole/locate and protect all structures and utilities in accordance with General Contract Conditions Section 37.

Connection locations to the existing water mains were potholed. All pothole locations and depths are shown on the Plans.

**3.3.28 Incidental Items:** Any item of Work not specifically identified or paid for directly, but which is necessary for the satisfactory completion of any paid items of Work, will be considered as incidental to those items, and will be included in the cost of those items.

**3.3.29 Survey:** The Contractor shall give the City survey crew a minimum of 72 hours' notice for all requested survey.

**3.3.30 Work to be Performed by the City (Prior to Construction):**

- None

**3.3.31 Existing Concrete Sidewalks, Pans, Fillets, Curbs, and Gutters:** The existing sidewalks, pans, fillets, curbs, and gutters are in good serviceable condition. In most instances, the installation of new sidewalk and pavement will be adjacent to existing concrete. The Contractor will need to protect all concrete adjacent to construction. If the concrete is damaged during construction, the Contractor will be responsible for its replacement at no cost to the City. The Contractor, the City Project Inspector, and/or the City Project Manager will walk and record any concrete that is deemed to be damaged before construction has started.

**3.3.32 ACI Concrete and Flatwork Finisher and Technician:** Hand finishing concrete will be permitted only when performed under the direct supervision of a craftsman holding the following certificate: ACI Concrete Flatwork Finisher and Technician (ACICFFT) or other Flatwork Finisher certification program approved by the City Engineering Manager.

**3.3.33 Confined Space Entry:** If needed during the Project, the Contractor is responsible for providing any and all confined space entry safety equipment including, but not limited to air testing equipment, fresh air blowers, tripods, ladders, harnesses, and SCBA equipment. The Contractor's air monitoring devices shall be calibrated and certified. The cost for all confined space entry equipment shall be incidental to the project cost and will not be paid separately.

**3.3.34 Temporary Steel Plating:** If the Contractor chooses to use steel plates to protect an open trench section, the cost for supplying and securely placing the steel plates will not be paid for separately but shall be included in the cost of the Project. Steel plates shall be set flush with the top surface of the asphalt roadway. The City will **not** accept plate placed on top of the pavement or drive surface.

**3.3.35 Payment for Damage to Private Property beyond Easement/ROW Limits:** Easement and ROW lines are indicated on the Construction Plans. Any and all damage to improvements outside the easements and ROW or outside the Construction Limits Lines shall be repaired at the Contractor's expense. There will be no additional payment made for restoration of sod, landscaping, gravel concrete or asphalt driveways, irrigation systems, decorative borders, fences, etc. beyond the property line or the construction easement.

**3.3.36 Interruptions of Utilities and Services:** The Contractor shall notify all property owners and residents affected by the interruption of utilities and other services caused by construction operations. Such notice shall be provided at least 24 hours prior to the interruption. Notice shall be given for, but not limited to the interruption of domestic water, sanitary sewer, trash pickup, mail delivery and changes in access to property.

**3.3.37 Project Location Work Schedule:** See Project Manual Section 01010-1.6.

**3.3.38 Construction Surveying and "As-Built" Drawings:** In addition to Items I and II in the General Contract Conditions, Section 54, As-Built record information will be provided to, and approved by City staff prior to Final Acceptance of the Project. Information to be provided must be in electronic format (e.g., AutoCAD and/or survey files) along with a PDF set of As-Built drawings. As-Built electronic files must contain information suitable for the City to maintain Utility records to the standards set forth in the new Colorado 811 One Call/Subsurface Utility Law (effective August 8, 2018) and standards as described in the American Society of Civil Engineers (ASCE) Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data (ASCE 38-02).

Electronic information for As-Built records shall include, but is not limited to, verification of all horizontal and vertical changes in pipe alignments, elbows, tees, manholes, valves, control structures, service taps, service pipe (horizontal and vertical deflections to ROW line, meter pits, or clean-outs, whichever is closer), beginning and ending of slip-lined segments, tie-in, or connection to existing infrastructure, etc. Distance between As-Built data points along pipe alignment is dependent on the amount of deflection used to install the pipe in the field. There must be sufficient point data to create a plan and profile of all infrastructure accurate to within eighteen inches (18") of the physical structures anywhere along the project.

The cost for surveying all fittings, both sewer and water, shall be incidental to the project cost and will not be paid for separately.

**3.3.34 Asphalt Removal and Temporary Asphalt Millings:** Asphalt pavement shall be removed per the City's Standard Detail GU-03 using the "T Top" method in all locations.



Any cuts to asphalt not made using a milling machine shall be completed using saw cutting.

**3.4 SCOPE OF WORK:** See Statement of Work (Section 3), Standard Contract Documents for Capital Improvements Construction, Special Provisions, and Construction Plans.

**3.5 Attachments (Click on the links):**

A: 2022 Waterline Replacement Project Manual  
<http://trimview.gjcity.org/?=SOLDOC/25769>

B: 2022 Waterline Replacement Construction Drawings  
<http://trimview.gjcity.org/?=SOLDOC/25770>

C: 2022 Waterline Replacement Bid Schedule  
<http://trimview.gjcity.org/?=SOLDOC/25771>

**3.6 Contractor Bid Documents:** For Contractor's convenience, the following is a list of forms/items to be submitted with the Contractor's bid response. However, should a form/item not be listed in this section, but required in the solicitation documents, it is the Contractor's responsibility to ensure all forms/items are submitted.

- **Contractor's Bid Form**
- **Price Bid Schedule**
- **References**

**3.7 IFB TENTATIVE TIME SCHEDULE:**

Invitation For Bids available on	March 20, 2023
Mandatory Pre-Bid Meeting	April 13, 2023, 3:00 PM
Inquiry deadline, no questions after this date	April 18, 2023
Addendum Posted	April 19, 2023
Submittal deadline for proposals	April 26, 2023, 2:00 PM
City Council Approval	May 17, 2023
Notice of Award & Contract execution	May 19, 2023
Bonding & Insurance Cert due	May 26, 2023
Preconstruction meeting	May 30, 2023
Work begins no later than	Receipt of Notice to Proceed
Final Completion	120 Calendar Days from Notice to Proceed
Holidays:	
Memorial Day	May 29, 2023
Juneteenth	June 19, 2023
Independence Day	July 4, 2023

## 4. Contractor's Bid Form

**Bid Date:** \_\_\_\_\_

**Project:** IFB-5217-23-DD "2022 Waterline Replacement Project Phase 2"

**Bidding Company:** \_\_\_\_\_

**Name of Authorized Agent:** \_\_\_\_\_

**Email** \_\_\_\_\_

**Telephone** \_\_\_\_\_ **Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

The undersigned Offeror, in compliance with the Invitation for Bids, having examined the Instruction to Offerors, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed Work, hereby proposes to furnish all labor, materials and supplies, and to perform all Work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same Work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Offerors, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of \_\_\_\_\_ percent of the net dollar will be offered to the Owner if the invoice is paid within \_\_\_\_\_ days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: \_\_\_\_\_.

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

*By signing below, the Undersigned agree to comply with all terms and conditions contained herein.*

**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

**Title:** \_\_\_\_\_

The undersigned Offeror proposes to subcontract the following portion of Work:

<u>Name &amp; address of Sub-Contractor</u>	<u>Description of Work to be performed</u>	<u>% of Contract</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The undersigned Offeror acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Offeror certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Offeror or with any competitor.

## Bid Schedule: 2022 Waterline Replacement Phase 2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	Water Main (6") (C-900 PVC, DR-18) (Includes cost of restrained connection to existing pipe)	7,760.	LF	\$ _____	\$ _____
2	108.3	Cross (8" x 6") MJ	1.	EA	\$ _____	\$ _____
3	108.3	End Cap/Plug (6") (Includes Concrete Thrustblock per City Std Detail W-07 & W-08)	1.	EA	\$ _____	\$ _____
4	108.3	Tee (6" x 6") MJ Swivel Tee	12.	EA	\$ _____	\$ _____
5	108.3	Fire Hydrant Assembly (6")	7.	EA	\$ _____	\$ _____
6	108.3	Elbow (6" x less than 90 deg)	24.	EA	\$ _____	\$ _____
7	108.4	Gate Valve (6")	17.	EA	\$ _____	\$ _____
8	108.4	Service Tap - Includes Corporation Stop (3/4")	174.	EA	\$ _____	\$ _____
9	108.4	Water Service Line (3/4") (Type K Copper) (If Lead or Poly service line is encountered, water service shall be replaced to meter) (Includes cost of connection to existing pipe)	1,000.	LF	\$ _____	\$ _____
10	202	Remove Existing Fire Hydrant (Return Hydrant to City Shops)	7.	EA	\$ _____	\$ _____
11	202	Abandon Existing Water Valve (Close valve, remove top half of existing valve box, fill cavity to finished subgrade with flow-fill material)	11.	EA	\$ _____	\$ _____
12	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	13.	EA	\$ _____	\$ _____
13	202	Removal of Concrete Curb and Gutter	40.	LF	\$ _____	\$ _____
14	202	Removal of Concrete Sidewalk	140.	SF	\$ _____	\$ _____
15	202	Removal of Asphalt Top Mat (Planning) (2" Thick for T-Top Section)	16,000.	SF	\$ _____	\$ _____
16	202	Removal of Asphalt Mat (Full Depth)	32,000.	SF	\$ _____	\$ _____
17	208	Erosion & Sediment Control	Lump Sum		---	\$ _____
18	304	Aggregate Base Course (Class 6) (6" thick)	3,500.	SY	\$ _____	\$ _____
19	210	Reset Landscape Ground Cover	450.	SF	\$ _____	\$ _____
20	212	Seeding and Revegetation	0.15	AC	\$ _____	\$ _____

**Bid Schedule: 2022 Waterline Replacement Phase 2**

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
21	401	Hot Bituminous Pavement (Patching) (3 " Thick Bottom Lift) (Grading SX, PG 64-22) (GYR.=75)	32,000.	SF	\$ _____	\$ _____
22	401	Hot Bituminous Pavement (Patching) (2" Thick top Lift) (Grading SX, PG 64-22) (GYR.=75) Includes T-TOP	47,700.	SF	\$ _____	\$ _____
23	608	Concrete Drainage Pan (6' Wide x 8" Thick) (Match in Kind) (Includes #5 rebar tie-bars) (City Std. Detail C-12)	4.5	SY	\$ _____	\$ _____
24	608	Concrete Curb and Gutter (2' Wide) (Match in Kind) (City Std. Detail C-05)	40.	LF	\$ _____	\$ _____
25	608	Concrete Sidewalk (6") (Match in Kind) (City Std. Detail C-10)	140.	SF	\$ _____	\$ _____
26	620	Portable Sanitary Facility		Lump Sum	---	\$ _____
27	625	Construction Surveying (Includes As-Built Drawings)		Lump Sum	---	\$ _____
28	626	Mobilization		Lump Sum	---	\$ _____
29	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ _____
30	630	Flagging	40.	HR	\$ _____	\$ _____
FA	202	Replacement of Radioactive Material (Dispose at City Shops, 333 West Ave.)	500.	CY	\$ _____	\$ _____
FA	103	Unstable Trench Bottom	250.	CY	\$ _____	\$ _____
FA	206	Structure Backfill (Flow-Fill) (This flow-fill quantity takes into account the flow-fill quantity necessary for Abandon Existing Water Valve, and Abandon Manhole)	50.	CY	\$ _____	\$ _____
FA		Utility Locates and Potholing	40.	HR	\$ _____	\$ _____
FA	103.8	Unstable Trench Bottom	200.	CY	\$ _____	\$ _____
FA	406	Temporary Patching (Cold Patch)		SF		
MCR		Minor Contract Revisions	---	---	---	\$ 150,000.00

**Bid Amount:** \$ \_\_\_\_\_

**Bid Amount:**

\_\_\_\_\_ dollars

# CITY OF GRAND JUNCTION RIVERSIDE WATERLINE REPLACEMENT GRAND JUNCTION, CO 90% REVIEW DOCUMENTS

### CONTACTS

<b>OWNER:</b>	CITY OF GRAND JUNCTION 133 WEST AVENUE, BUILDING C GRAND JUNCTION, CO 81501	<b>JOHN DILLON, P.E.</b> (970) 234-1528 JDILLON@CITY.ORG
<b>ENVIRONMENTAL ENGINEER:</b>	JVA, INC. 877 COLORADO AVENUE, SUITE 300 CLEVEDON SPRING, CO 81601	<b>COOPER BERT, P.E.</b> (970) 504-4915 CBERT@JVA.COM
<b>SURVEYOR:</b>	CITY OF GRAND JUNCTION 133 WEST AVENUE, BUILDING C GRAND JUNCTION, CO 81501	<b>RENÉE PAREKH, P.E. PLS. DTGS</b> 970-256-1833 RENE@CITY.ORG



JVA, Inc. 827 Colorado Ave., Suite 301  
 Clevedon Springs, CO 81609  
 970.504.3100  
 www.jva.com  
 Boulder • Fort Collins • Windsor Park  
 Clevedon Springs • Denver

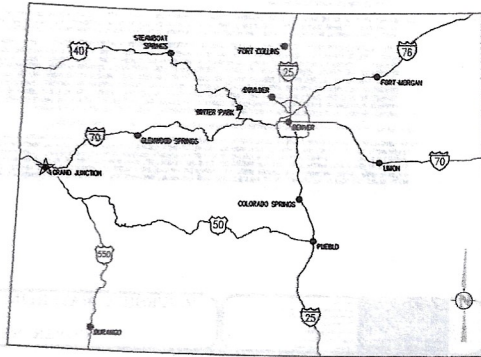
### DRAWING INDEX

SHEET NO.	TITLE
00.0	COVER SHEET
00.1	LEGENDS, NOTES & ABBREVIATIONS
C1.0	CHULUOTA AVE PLAN & PROFILE
C2.0	ROCKAWAY AVE PLAN & PROFILE

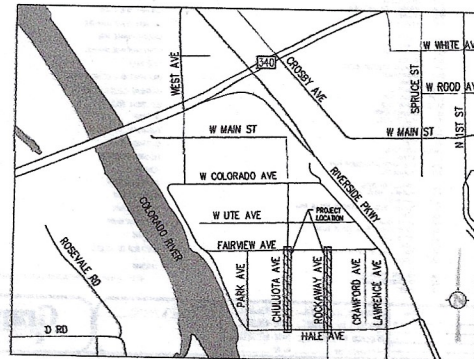
NOVEMBER 2022

PREPARED UNDER THE SUPERVISION OF

JVA, Inc.



VICINITY MAP  
815

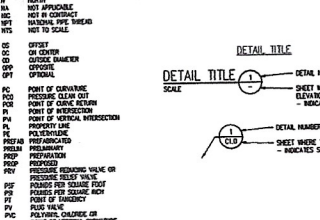


PROJECT LOCATION MAP  
816

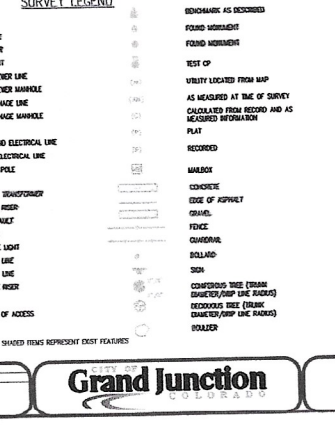
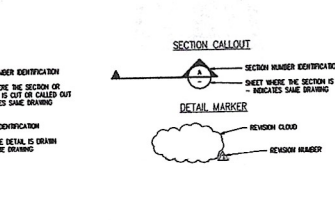
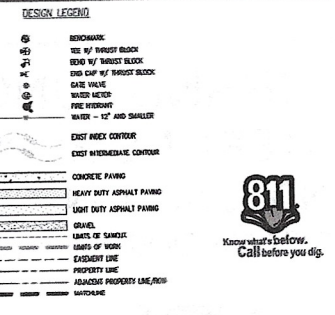
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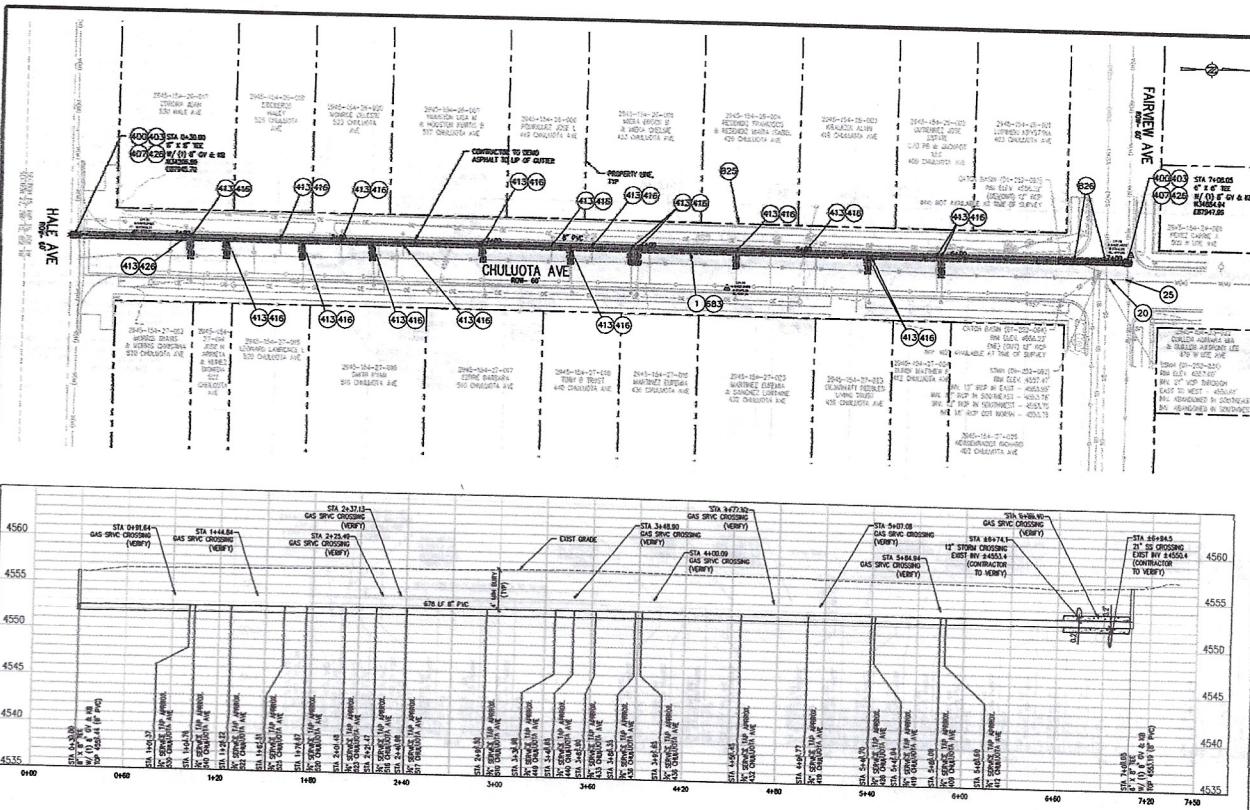
ABBREVIATIONS table with columns for symbol, description, and notes. Includes symbols for various pipe types, manholes, and utility markers.

DESIGN LEGEND table listing symbols for manholes, vaults, and various pipe materials like concrete, PVC, and HDPE.



SURVEY LEGEND table listing symbols for water lines, storm drainage, electrical, and other utility lines.





- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT, SAW CUT AND REMOVE ASPHALT AS SHOWN (INDICATED BY DDT HATCH PATTERN).
  - 20 202 - ABANDON PIPE, ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
  - 20 202 - ABANDON EXISTING WATER VALVE, CLOSE VALVE, REMOVE TOP HALF OF EXISTING VALVE BOX, FILL CAVITY TO FINISHED SUBGRADE WITH FLOW FILL MATERIAL.
  - 400 102.7108.2 - WATER MAIN PIPE (C-900 DR-18 PVC) (SIZE AS SHOWN), INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 BARTH BACKFILL MATERIAL.
  - 400 102.81100.3 - GATE VALVE (SIZE AS SHOWN).
  - 400 102.81100.3 - TEE (SIZE AS SHOWN).
  - 410 102.7C1108.4 - WATER SERVICE LINE (TYPE K COPPER)
  - 410 102.81108.4 - CORPORATION STOP (SIZE AS SHOWN ON PLAN)
  - 420 CONNECT TO EXISTING WATER PIPE/VALVE/TAPPING. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
  - 440 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (4" THICK ON TOP OF 6" ASPH) (CRACKING IS, BINDER GRADE PG 64-22, GYR 75), (TWO 2" LIFTS)
  - 420 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/all DAMAGE TO PRIVATE PROPERTY BEING ROW/LINE OR EASEMENT LIMITS.
  - 420 PROTECT EXISTING UTILITY LINE IN PLACE

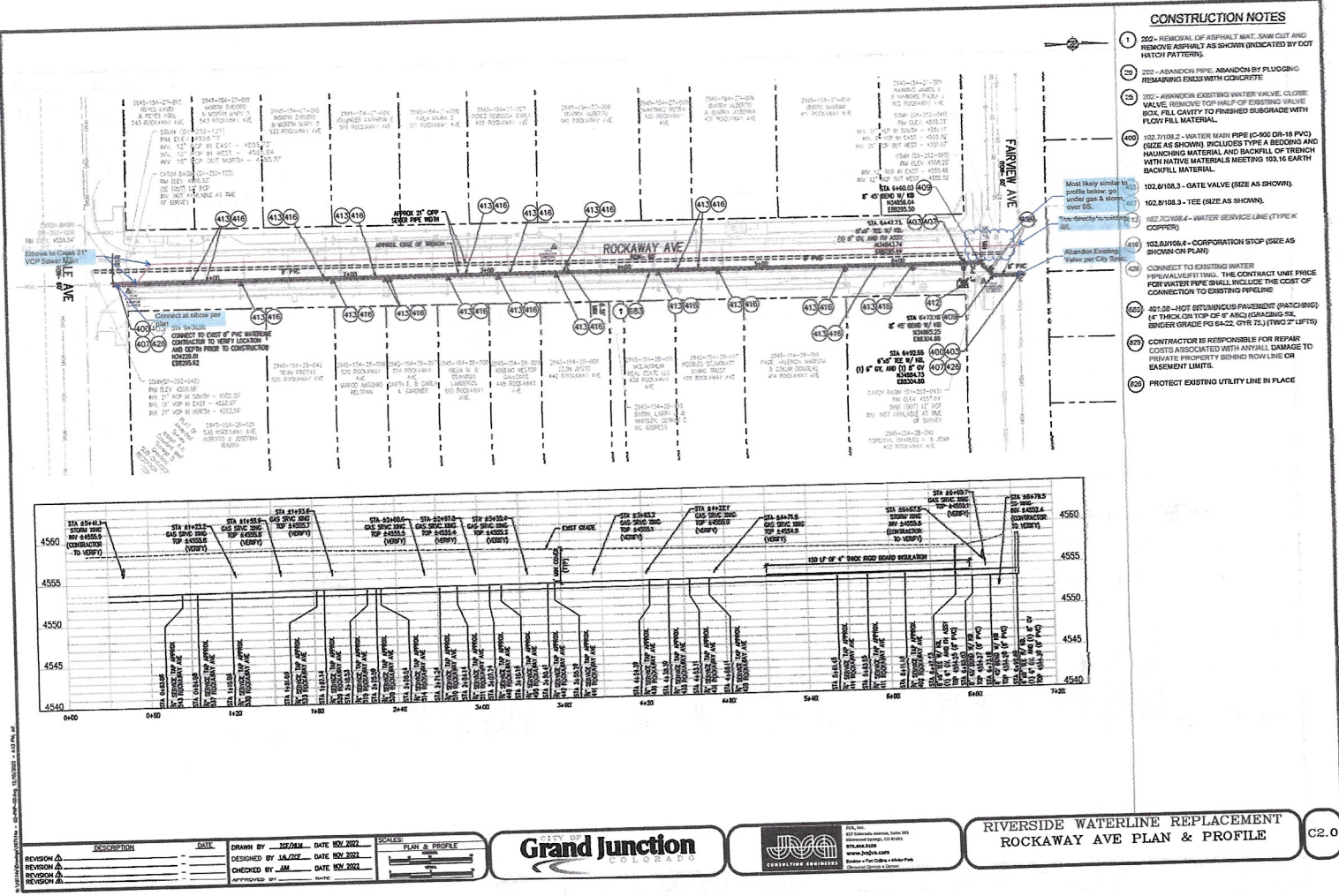
REVISION #	DESCRIPTION	DATE	DESIGNED BY	CHECKED BY	APPROVED BY	DATE
1						
2						
3						
4						



**RIVERSIDE WATERLINE REPLACEMENT  
CHULUOTA AVE PLAN & PROFILE**

C1.0





- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT, SAW CUT AND REMOVE ASPHALT AS SHOWN (INDICATED BY DOTTED PATTERNS).
  - 203 - ABANDON PIPE, ABANDON BY PLOUGHING REMAINING ENDS WITH CONCRETE.
  - 204 - ABANDON EXISTING WATER VALVE, CLOSE VALVE, REMOVE TOP HALF OF EXISTING VALVE BOX, FILL CAVITY TO FINISH SUBGRADE WITH FLOW FILL MATERIAL.
  - 102.7108.2 - WATER MAIN PIPE (C-900 DR-18 PVC) (SIZE AS SHOWN) INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - 102.8108.3 - GATE VALVE (SIZE AS SHOWN).
  - 102.8108.3 - TEE (SIZE AS SHOWN).
  - 102.7108.4 - WATER SERVICE LINE (TYPE K COPPER).
  - 102.8108.4 - CORPORATION STOP (SIZE AS SHOWN ON PLAN).
  - 102.7108.5 - CONNECT TO EXISTING WATER APPURTENANCES. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
  - 103.20 - NOT RETURNICUS PAVEMENT (PATCHING) 1/4 THICK ON TOP OF 6" ABC (GRAZING SOL BINDER GRADE PG 64-52, GFR 75.1) (TWO 2" LIFTS)
  - 079 - CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS.
  - 000 - PROTECT EXISTING UTILITY LINE IN PLACE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
1	ISSUED FOR PERMIT	10/20/2022	JM	10/20/2022
2	REVISION			
3	REVISION			
4	REVISION			

DATE	DATE	DATE
10/20/2022	10/20/2022	10/20/2022



**RIVERSIDE WATERLINE REPLACEMENT  
ROCKAWAY AVE PLAN & PROFILE**



**Additional Scope of Work 2022 Waterline Replacement Project Phase 2  
(IFB-5217-23-DD  
Chuluota Avenue and Rockaway Avenue**

Two streets have been identified for waterline replacement and were not described in the scope for Phase 2. These are Chuluota Ave and Rockaway Ave between Hale Ave and Fairview Ave. The existing 6-inch cast iron (CI) pipe and 4-inch cast iron pipe in Chuluota Ave and Rockaway Ave, respectively, are being replaced because of their susceptibility to breaks, reduced flows and pressure and water quality on these streets. The CI waterline in Chuluota Ave was installed in 1960. Over time CI pipe will develop mineral deposits within the pipe that reduce flow area, resulting in reduced pressure and flow. The 4-inch CI pipe in Rockaway Ave is undersized and aging, thus limiting flow and pressure. This Change Order replaces these pipes with 8-inch PVC on both streets. The renewal of this infrastructure improves service reliability and increases the City's resiliency by improving fire flows and pressure for Riverside residents and the future build-out of Dos Rios subdivision to the south.

A 21-inch CIPP sanitary sewer is centered in Rockaway Avenue. Sewer services from the east side of Rockaway are connected to this sewer line since no sewer exists in the east alley. An effort was made by the City to locate these service lines without success. Sewer services for properties on the west side of Rockaway Ave go the sewer in the west alley. The plan set shows the replacement water line east of this sewer line. However due to the difficulty found in locating these sewer services, the contractor may elect to route the replacement waterline between the sewer line and the gas line on the west rather than avoiding the sewer services to the east. This alternative is shown redlined in the plans provided. Materials have been purchased for this option. This option includes a new tap and abandoning 1 valve in Fairview Ave and 2 45-degree bends at Hale Ave.

Pipe connections at Hale Ave for both streets are to newer PVC (2020), which were installed as part of the recent Dos Rios project. The new PVC is 6" in Chuluota Ave, and 8" in Rockaway Ave. These connections are north of the intersections and v-pan. A site walk is recommended. Utilities have been located and proposed alignments are also painted. Project manual and project specifications are consistent with the 2022 Waterline Replacement – Phase 2 project. It is requested that Unit Prices for items which are identified in the Bid Schedule for Phase 2 should be honored as part of this additional scope. These items are included in this schedule to accurately describe the scope of work.

## **4. Contractor's Bid Form**

**Bid Date:** \_\_\_\_\_

**Project:** IFB-5217-23-DD "2022 Waterline Replacement Project Phase 2"

**Bidding Company:** \_\_\_\_\_

**Name of Authorized Agent:** \_\_\_\_\_

**Email** \_\_\_\_\_

**Telephone** \_\_\_\_\_ **Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

The undersigned Offeror, in compliance with the Invitation for Bids, having examined the Instruction to Offerors, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed Work, hereby proposes to furnish all labor, materials and supplies, and to perform all Work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same Work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Offerors, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of \_\_\_\_\_ percent of the net dollar will be offered to the Owner if the invoice is paid within \_\_\_\_\_ days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: \_\_\_\_\_.

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

*By signing below, the Undersigned agree to comply with all terms and conditions contained herein.*

**Company:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_

**Title:** \_\_\_\_\_

## Bid Schedule: 2022 Riverside Waterline Replacement Additional Scope

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	Water Main (8") (C-900 PVC) (INSTALL ONLY) (Includes cost of restrained connection to existing pipe)	1,405.	LF	\$ _____	\$ _____
2	108.3	Gate Valve (6")	1.	EA	\$ _____	\$ _____
3	108.3	Gate Valve (8")	3.	EA	\$ _____	\$ _____
4	108.3	Tee (6" x 6") MJ Swivel Tee (Epoxy Coated)	2.	EA	\$ _____	\$ _____
5	108.3	Tee (8" x 6") MJ Swivel Tee (Epoxy Coated)	1.	EA	\$ _____	\$ _____
6	108.3	Tee (8" x 8") MJ Swivel Tee (Epoxy Coated)	1.	EA	\$ _____	\$ _____
7	108.3	Elbow (8" x 45 deg) (Epoxy Coated)	2.	EA	\$ _____	\$ _____
8	108.3	Reducer (8" x 6") (Epoxy Coated)	2.	EA	\$ _____	\$ _____
9	108.3	Fire Hydrant Assembly	1.	EA	\$ _____	\$ _____
10	108.4	Service Tap - Includes Tapping Saddle and Corporation Stop (3/4")	43.	EA	\$ _____	\$ _____
11	108.4	Water Service Line (3/4") (Type K Copper) (If Lead or Poly service line is encountered, water service shall be replaced to meter) (Includes cost of connection to existing pipe)	300.	LF	\$ _____	\$ _____
12	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	4.	EA	\$ _____	\$ _____
13	202	Abandon Existing Water Valve (Close valve, remove top half of existing valve box, fill cavity to finished subgrade with flow-fill material)	3.	EA	\$ _____	\$ _____
14	202	Remove Existing Fire Hydrant (Return Hydrant to City Shops)	1.	EA	\$ _____	\$ _____
15	202	Removal of Asphalt Mat (Full Depth)	6,000.	SF	\$ _____	\$ _____
16	202	Removal of Asphalt Mat (Planing) (2" Thick for T-Top Section)	9,000.	SF	\$ _____	\$ _____
17	304	Aggregate Base Course (Class 6) (6" thick)	700.	SY	\$ _____	\$ _____
18	401	Hot Bituminous Pavement (Patching) (3 " Thick Bottom Lift) (Grading SX, PG 64-22) (GYR.=75)	6,000.	SF	\$ _____	\$ _____
19	401	Hot Bituminous Pavement (Patching) (2" Thick top Lift) (Grading SX, PG 64-22) (GYR.=75) Includes T-TOP	9,000.	SF	\$ _____	\$ _____

## Bid Schedule: 2022 Riverside Waterline Replacement Additional Scope

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
20	625	Construction Surveying (Includes As-Built Drawings)		Lump Sum	---	\$ _____
21	626	Mobilization		Lump Sum	---	\$ _____
22	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ _____
23	202	Removal of Concrete Curb and Gutter	5.	LF	\$ _____	\$ _____
24	202	Removal of Concrete Sidewalk	25.	SF	\$ _____	\$ _____
25	608	Concrete Curb and Gutter (2' Wide) (Match in Kind) (City Std. Detail C-05)	5.	LF	\$ _____	\$ _____
26	608	Concrete Sidewalk (6") (Match in Kind) (City Std. Detail C-10)	25.	SF	\$ _____	\$ _____

27

28

**Bid Amount:** \$ \_\_\_\_\_

**Bid Amount:**

\_\_\_\_\_ dollars



Purchasing Division

## ADDENDUM NO. 1

**DATE:** March 23, 2023  
**FROM:** City of Grand Junction Purchasing Division  
**TO:** All Offerors  
**RE:** 2022 Waterline Replacement Project – Phase 2 IFB-5217-23-DD

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The original Mandatory Pre-Bid Meeting has been revised to be **Non-Mandatory**.

Section 1.2 and 3.3.1 are revised to read as follows:

**Non- Mandatory Pre-Bid Meeting: Prospective Offerors are encouraged to attend a non-mandatory pre-bid meeting on April 13, 2023, at 3:00PM.** Meeting location shall be in the City Hall Auditorium located at 250 N 5<sup>th</sup> St, Grand Junction CO 81501. The purpose of this visit will be to inspect and to clarify the contents of this Invitation for Bids (IFB).

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in blue ink that reads "Dolly Daniels".

Dolly Daniels, Senior Buyer  
City of Grand Junction, Colorado



**Purchasing Division**

## **ADDENDUM NO. 2**

**DATE:** April 12, 2023  
**FROM:** City of Grand Junction Purchasing Division  
**TO:** All Offerors  
**RE:** IFB-5217-23-DD 2022 Waterline Replacement Project Phase 2

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

**1. Question:** Bid item #8 service tap- the bid schedule says includes corp stop but note #416 in the plans says corp stop install only, meaning city supply. Are the corps Contractor or City supply?

**Answer:** The Contractor is required to purchase/provide these.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in blue ink that reads "Dolly Daniels".

Dolly Daniels, Senior Buyer  
City of Grand Junction, Colorado

### 4. Contractor's Bid Form

Bid Date: April 26<sup>th</sup> 2023

Project: **IFB-5217-23-DD "2022 Waterline Replacement Project Phase 2"**

Bidding Company: Dirtworks Construction, LLC

Name of Authorized Agent: Branden Hughes

Email dirtworksconstruction@gmail.com

Telephone 970-256-1691 Address 1010 21 1/2 Road

City Grand Junction State CO Zip 81505

The undersigned Offeror, in compliance with the Invitation for Bids, having examined the Instruction to Offerors, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed Work, hereby proposes to furnish all labor, materials and supplies, and to perform all Work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same Work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Offerors, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of N/A percent of the net dollar will be offered to the Owner if the invoice is paid within N/A days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: 2

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: Dirtworks Construction, LLC

Authorized Signature: [Signature]

Title: Owner



## Bid Schedule: 2022 Waterline Replacement Phase 2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	Water Main (6") (C-900 PVC, DR-18) (Includes cost of restrained connection to existing pipe)	7,760.	LF	\$ <u>35.00</u>	\$ <u>271,160.00</u>
2	108.3	Cross (8" x 6") MJ	1.	EA	\$ <u>1,281.00</u>	\$ <u>1,281.00</u>
3	108.3	End Cap/Plug (6") (Includes Concrete Thrustblock per City Std Detail W-07 & W-08)	1.	EA	\$ <u>525.00</u>	\$ <u>525.00</u>
4	108.3	Tee (6" x 6") MJ Swivel Tee	12.	EA	\$ <u>1,520.00</u>	\$ <u>18,240.00</u>
5	108.3	Fire Hydrant Assembly (6")	7.	EA	\$ <u>7,500.00</u>	\$ <u>52,500.00</u>
6	108.3	Elbow (6" x less than 90 deg)	24.	EA	\$ <u>825.00</u>	\$ <u>19,800.00</u>
7	108.4	Gate Valve (6")	17.	EA	\$ <u>1,850.00</u>	\$ <u>31,450.00</u>
8	108.4	Service Tap - Includes Corporation Stop (3/4")	174.	EA	\$ <u>750.00</u>	\$ <u>130,500.00</u>
9	108.4	Water Service Line (3/4") (Type K Copper) (If Lead or Poly service line is encountered, water service shall be replaced to meter) (Includes cost of connection to existing pipe)	1,000.	LF	\$ <u>21.00</u>	\$ <u>21,000.00</u>
10	202	Remove Existing Fire Hydrant (Return Hydrant to City Shops)	7.	EA	\$ <u>450.00</u>	\$ <u>3,150.00</u>
11	202	Abandon Existing Water Valve (Close valve, remove top half of existing valve box, fill cavity to finished subgrade with flow-fill material)	11.	EA	\$ <u>325.00</u>	\$ <u>3,575.00</u>
12	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	13.	EA	\$ <u>325.00</u>	\$ <u>4,225.00</u>
13	202	Removal of Concrete Curb and Gutter	40.	LF	\$ <u>10.00</u>	\$ <u>400.00</u>
14	202	Removal of Concrete Sidewalk	140.	SF	\$ <u>12.50</u>	\$ <u>1,750.00</u>
15	202	Removal of Asphalt Top Mat (Planning) (2" Thick for T-Top Section)	16,000.	SF	\$ <u>0.78</u>	\$ <u>12,480.00</u>
16	202	Removal of Asphalt Mat (Full Depth)	32,000.	SF	\$ <u>0.45</u>	\$ <u>14,400.00</u>
17	208	Erosion & Sediment Control		Lump Sum	---	\$ <u>5,600.00</u>
18	304	Aggregate Base Course (Class 6) (6" thick)	3,500.	SY	\$ <u>6.50</u>	\$ <u>22,750.00</u>
19	210	Reset Landscape Ground Cover	450.	SF	\$ <u>25.00</u>	\$ <u>11,250.00</u>
20	212	Seeding and Revegetation		0.15 AC	\$ <u>5,000.00</u>	\$ <u>750.00</u>

## Bid Schedule: 2022 Waterline Replacement Phase 2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
21	401	Hot Bituminous Pavement (Patching) (3" Thick Bottom Lift) (Grading SX, PG 64-22) (GYR.=75)	32,000.	SF	\$ <u>4.25</u>	\$ <u>136,000.00</u>
22	401	Hot Bituminous Pavement (Patching) (2" Thick top Lift) (Grading SX, PG 64-22) (GYR.=75) Includes T-TOP	47,700.	SF	\$ <u>3.00</u>	\$ <u>143,100.00</u>
23	608	Concrete Drainage Pan (6' Wide x 8" Thick) (Match in Kind) (Includes #5 rebar tie-bars) (City Std. Detail C-12)	4.5	SY	\$ <u>250.00</u>	\$ <u>1,125.00</u>
24	608	Concrete Curb and Gutter (2' Wide) (Match in Kind) (City Std. Detail C-05)	40.	LF	\$ <u>50.00</u>	\$ <u>2,000.00</u>
25	608	Concrete Sidewalk (6") (Match in Kind) (City Std. Detail C-10)	140.	SF	\$ <u>15.00</u>	\$ <u>2,100.00</u>
26	620	Portable Sanitary Facility		Lump Sum	---	\$ <u>1,500.00</u>
27	625	Construction Surveying (Includes As-Built Drawings)		Lump Sum	---	\$ <u>28,000.00</u>
28	626	Mobilization		Lump Sum	---	\$ <u>38,000.00</u>
29	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ <u>34,800.00</u>
30	630	Flagging	40.	HR	\$ <u>38.00</u>	\$ <u>1,520.00</u>
FA	202	Replacement of Radioactive Material (Dispose at City Shops, 333 West Ave.)	500.	CY	\$ <u>9.15</u>	\$ <u>4,575.00</u>
FA	103	Unstable Trench Bottom	250.	CY	\$ <u>20.00</u>	\$ <u>5,000.00</u>
FA	206	Structure Backfill (Flow-Fill) (This flow-fill quantity takes into account the flow-fill quantity necessary for Abandon Existing Water Valve, and Abandon Manhole)	50.	CY	\$ <u>85.00</u>	\$ <u>4,250.00</u>
FA		Utility Locates and Potholing	40.	HR	\$ <u>130.00</u>	\$ <u>5,200.00</u>
FA	103.8	Unstable Trench Bottom	200.	CY	\$ <u>18.00</u>	\$ <u>3,600.00</u>
FA	406	Temporary Patching (Cold Patch)		SF		
MCR		Minor Contract Revisions		---	---	\$ <u>150,000.00</u>

**Bid Amount:** \$ 1,187,996.00

**Bid Amount:**

ONE MILLION, ONE HUNDRED EIGHTY SEVEN THOUSAND, NINE HUNDRED

NINETY SIX + 00/100 -  
dollars

The undersigned Offeror proposes to subcontract the following portion of Work:

<u>Name &amp; address of Sub-Contractor</u>	<u>Description of Work to be performed</u>	<u>% of Contract</u>
<u>Asphalt Specialists</u>	<u>Asphalt patching</u>	<u>15%</u>
<u>CC enterprises</u>	<u>Traffic control</u>	<u>5%</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

The undersigned Offeror acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Offeror certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Offeror or with any competitor.

# AIA® Document A310™ – 2010

## Bid Bond

Bond Number: BND1009194-00

**CONTRACTOR:**

*(Name, legal status and address)*

Dirtworks Construction, LLC  
1010 21 1/2 Rd  
Grand Junction, CO 81505

**SURETY:**

*(Name, legal status and principal place of business)*

Fair American Insurance and Reinsurance Company  
365 Northridge Road, Suite 250  
Atlanta, GA 30350

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

**OWNER:**

*(Name, legal status and address)*

City of Grand Junction  
250 N. 5th Street  
Grand Junction, CO 81505

**BOND AMOUNT:** FIVE Percent of Amount Bid Penal Sum Not to Exceed Eighty Thousand and 00/100 Dollars (5% NTE \$80,000.00)

**PROJECT:**

*(Name, location or address, and Project number, if any)*

IFB-5217-23-DD 2022 WATERLINE REPLACEMENT PROJECT – PHASE 2

Project Number, if any:

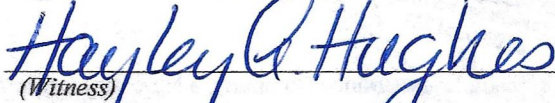
IFB-5217-23-DD 2022

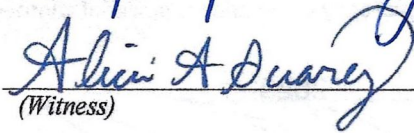
The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 26th day of April, 2023

  
*(Witness)*

  
*(Witness)*

Dirtworks Construction, LLC

*(Principal)*


*(Seal)*

  
*(Title)* OWNER/PRESIDENT

Fair American Insurance and Reinsurance Company

*(Surety)*

*(Seal)*

  
*(Title)* Stefan E. Tauger

, Attorney In Fact

**FAIR AMERICAN INSURANCE AND REINSURANCE COMPANY**  
**One Liberty Plaza, 165 Broadway, New York, NY 10006**  
**POWER OF ATTORNEY**

Know all men by these Presents, that Fair American Insurance and Reinsurance Company ("Company"), a New York corporation, had made, constituted and appointed, and by these presents does make, constitute and appoint, Stefan E. Tauger of Parker, Colorado; Arthur S. Johnson of Atlanta, Georgia; James E. Feldner of West Lake, Ohio; Jeffery L. Booth of Blacklick, Ohio; Melanie J. Stokes of Atlanta, Georgia; Scott E. Stoltzner of Birmingham, Alabama; Jason S. Centrella of Jacksonville, Florida; or Omar G. Guerra of Overland Park, Kansas, EACH as its true and lawful attorney-in-fact to sign, execute, seal, deliver for, and on behalf of the said Company, and as its act and deed any place in the United States any and all surety, bonds, undertakings, recognizances and contracts of suretyship to be given to all obligees provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount of the sum of \$7,000,000 (Seven Million Dollars), any single instance. Provided, however, that this power of attorney limits the acts of those named herein; and they shall have no authority to bind the Company except in the manner stated and to the extent of any limitation herein.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolutions adopted pursuant to due authorization by the Board of Directors of the Company on the 2<sup>nd</sup> day of February 2016.

RESOLVED, that the President, Chairman, or any Senior Vice President or Vice President of the Company, in conjunction with any Senior Vice President or Vice President, be, and that each or any of them hereby is, authorized to appoint Attorneys-in-fact of the Company as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all bonds, undertakings, recognizances, contracts of suretyship and other surety obligations. Such Attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the President and attested by the Secretary.

FURTHER RESOLVED, that any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Senior Vice President, in conjunction with any Senior Vice President or Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile.

IN WITNESS WHEREOF, the Company has caused its official seal to be hereto affixed, and these presents to be sealed with its corporate seal and duly attested to by the President and this Vice President this 11<sup>th</sup> day of July 2021.

Fair American Insurance and Reinsurance Company

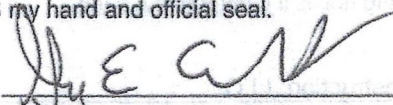
By:   
Christopher O'Gwen, President and CEO

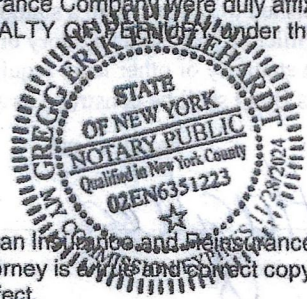
By:   
Paul J. Clauss, Vice President

STATE of NEW YORK  
COUNTY of NEW YORK

On July 11, 2022 before me, the above named President and Vice President, personally appeared, who proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, that they know the seal of Fair American Insurance and Reinsurance Company, and that their signatures and the seals of Fair American Insurance and Reinsurance Company were duly affixed and subscribed to said instrument by the authority and direction of the Company. I certify under PENALTY OF PERJURY under the laws of the State of New York that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



I, Christopher O'Gwen, the undersigned, an Officer of Fair American Insurance and Reinsurance Company, a New York Corporation, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney is a true and correct copy of the original power of attorney, and do hereby further certify that the said Powers are still in force and effect.

Signed and sealed at the City of New York. Dated the 26<sup>th</sup> day of April, 2023.

  
Christopher O'Gwen, President and CEO

No. 6417

Bid Bond # BND1009194-00



**COLORADO**  
**Department of Transportation**

Office of the Chief Engineer

Civil Rights & Business Resource Center  
2829 W. Howard Place, Ste. 139  
Denver, CO 80204-2305

**NOTIFICATION OF PREQUALIFICATION**

April 8, 2022

Dirtworks Construction, LLC  
1010 21 1/2 Road  
Grand Junction, CO 81505 [\[map\]](#)

Limit Amount: \$3 million  
Vendor ID: 584A

Reference is made to your application for registration as a qualified bidder on Colorado Highway work, dated April 8, 2022. Your file has been reviewed and determined to be complete. Based on the financial information and experience contained in your application, your firm is allowed to submit bids up to \$3 million.

Bids from a general contractor will be received subject to any limitation stated above, and with due consideration to the amount of work presently under contract, past performance on highway contracts, and the contractor's financial status at the time of bidding. It is further understood that the bidder has available the staff and equipment adequate for any project on which a bid is submitted; that the contractor's staff and equipment will be available to undertake the work on which bids are currently made, promptly after award of contract; and that the work will be carried on expeditiously and under proper supervision.

This notice supersedes all previous notices. This prequalification will expire on 4/30/2023. You must file a new application 17 days prior to that time to remain current. It is the contractor's sole responsibility to obtain and file the necessary forms each year prior to expiration. Renewals can now be made online at <https://cdot.dbesystem.com>.

Regards,

Darrell Wells  
Contract Administrator III



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Beckner Power Insurance, Inc. 2415 F Road #B P.O. Box 1329 Grand Junction, CO 81502-1329 Shari L. Shear		<b>CONTACT NAME:</b> Shari Shear <b>PHONE (A/C, No, Ext):</b> 970-242-6136 <b>E-MAIL ADDRESS:</b> shari@bpigj.com <b>PRODUCER CUSTOMER ID #:</b> DIRTW-1		<b>FAX (A/C, No):</b> 970-242-8293
<b>INSURED</b> Dirtworks Construction LLC 1010 21 1/2 Rd Grand Junction, CO 81505		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
		<b>INSURER A:</b> United Fire & Casualty		
		<b>INSURER B:</b> Pinnacle Assurance		
		<b>INSURER C:</b>		
		<b>INSURER D:</b>		
		<b>INSURER E:</b>		
		<b>INSURER F:</b>		

**COVERAGES**                                      **CERTIFICATE NUMBER:**                                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY	X	X	60349358	04/06/2023	04/06/2024	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> Pollution						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							
<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						GENERAL AGGREGATE \$ 2,000,000	
						PRODUCTS - COMPIOP AGG \$ 2,000,000	
						Pollution \$ 100,000	
A	AUTOMOBILE LIABILITY	X	X	60349358	04/06/2023	04/06/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input type="checkbox"/> SCHEDULED AUTOS						PROPERTY DAMAGE (PER ACCIDENT) \$
<input type="checkbox"/> HIRED AUTOS						\$	
<input type="checkbox"/> NON-OWNED AUTOS						\$	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/>	OCCUR	60349358	04/06/2023	04/06/2024	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> EXCESS LIAB						AGGREGATE \$ 1,000,000
	<input type="checkbox"/> DEDUCTIBLE						\$
<input checked="" type="checkbox"/> RETENTION \$ 10000						\$	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	N/A	X	4151863	11/01/2022	11/01/2023	<input type="checkbox"/> WC STATU-TORY LIMITS <input checked="" type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH)						E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
						E.L. DISEASE - POLICY LIMIT \$ 1,000,000	
A	Equipment			60349358	04/06/2023	04/06/2024	Rented eq 100,000 Installat 25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
 RE:IFB-5217-23-DD 2022

**CERTIFICATE HOLDER**

**CANCELLATION**

City of Grand Junction  
 250 N 5th St  
 Grand Junction, CO 81501

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE  
 Shari L. Shear *Shari L Shear*

# DIRTWORKS CONSTRUCTION, LLC.

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1010 21 ½ Road  
Grand Junction, CO 81505  
Phone (970) 256-1691  
Fax (970) 241-2570  
dirtworksconstruction@gmail.com

Updated: 04/26/2023

## Recommendations/References

Ute Water Conservancy District  
Jeremy Lyon  
2195 H ¼ Road  
Grand Junction, CO 81505  
970-242-7491

Job: Connected Lakes - \$500K  
Job: S. Broadway Waterline Replacement-\$455K  
Job: E & 29 Road - \$292K  
Job: HWY 340 & 23 Road - \$303K  
Job: Sch Y&Z - \$1.6M  
Waterline upgrades

City of Fruita  
John Vasey  
900 E Kiefer  
Fruita, CO 81521  
970-858-8377

Job: Coulson Project - \$400K  
Job: Hwy 6 Sewer Interceptor Project - \$1.8M  
Job: Cedar St./Aspen Ave - \$577K  
Live sewer line replacements

Harman Construction Inc.  
Gabe Harman  
1633 Rodgers Road  
CDOT Fort Worth, TX 76107  
817-336-5780

Job: Walgreens #11187, Fruita, CO - \$580K  
Job: Love's Gas Station - \$2.3M  
New project site for stores

F.C.I. Constructors Inc.  
Ed Foresman  
P.O. Box 1767  
Grand Junction, CO 81502  
970-434-9093

Job: Hill Top Bacon Campus - \$320K  
Bookcliff Middle School Addition - \$100K  
New project site for facility

R & O Construction  
Mike Nickolls  
933 Wall Ave  
Ogden, UT 84404  
801-627-1403

Job: Maverik Store # 400, Fruita, CO - \$415K  
Job: Maverik Store # 418, 29 Rd, GJ, CO-\$219  
Excavation, site utilities, grading, deep  
underground tank excavation.

Mesa County Public Works Dept.  
Shawn Herron  
200 S. Spruce Street  
Grand Junction, CO 81501  
970-244-1764

Job: Lewis Wash/Strawberry Acres - \$359K  
Job: 33 Road Reconstruction Proj. - \$938K  
Job: K & 21 Road Improvements - \$480K  
Job: 38 Road Safety Improvement Project - \$2M  
Job: 45.5 Rd Proj. Phase IVB - \$1.2M  
Job: 22, I-J Rd, Improvement Project - \$1.8M

City of Grand Junction  
Brendan Hines/Kirsten Armbruster  
333 West Avenue, Bldg. C  
Grand Junction, CO 81501  
(970) 256-4038

Job: Dos Rios - \$394K  
Job: Lunch Loops - \$403K  
Job: Monument Rd/Frog Pond - \$135K





**Additional Scope of Work 2022 Waterline Replacement Project Phase 2  
(IFB-5217-23-DD)  
Chuluota Avenue and Rockaway Avenue**

Two streets have been identified for waterline replacement and were not described in the scope for Phase 2. These are Chuluota Ave and Rockaway Ave between Hale Ave and Fairview Ave. The existing 6-inch cast iron (CI) pipe and 4-inch cast iron pipe in Chuluota Ave and Rockaway Ave, respectively, are being replaced because of their susceptibility to breaks, reduced flows and pressure and water quality on these streets. The CI waterline in Chuluota Ave was installed in 1960. Over time CI pipe will develop mineral deposits within the pipe that reduce flow area, resulting in reduced pressure and flow. The 4-inch CI pipe in Rockaway Ave is undersized and aging, thus limiting flow and pressure. This Change Order replaces these pipes with 8-inch PVC on both streets. The renewal of this infrastructure improves service reliability and increases the City's resiliency by improving fire flows and pressure for Riverside residents and the future build-out of Dos Rios subdivision to the south.

A 21-inch CIPP sanitary sewer is centered in Rockaway Avenue. Sewer services from the east side of Rockaway are connected to this sewer line since no sewer exists in the east alley. An effort was made by the City to locate these service lines without success. Sewer services for properties on the west side of Rockaway Ave go the sewer in the west alley. The plan set shows the replacement water line east of this sewer line. However due to the difficulty found in locating these sewer services, the contractor may elect to route the replacement waterline between the sewer line and the gas line on the west rather than avoiding the sewer services to the east. This alternative is shown redlined in the plans provided. Materials have been purchased for this option. This option includes a new tap and abandoning 1 valve in Fairview Ave and 2 45-degree bends at Hale Ave.

Pipe connections at Hale Ave for both streets are to newer PVC (2020), which were installed as part of the recent Dos Rios project. The new PVC is 6" in Chuluota Ave, and 8" in Rockaway Ave. These connections are north of the intersections and v-pan. A site walk is recommended. Utilities have been located and proposed alignments are also painted. Project manual and project specifications are consistent with the 2022 Waterline Replacement – Phase 2 project. It is requested that Unit Prices for items which are identified in the Bid Schedule for Phase 2 should be honored as part of this additional scope. These items are included in this schedule to accurately describe the scope of work.

**4. Contractor's Bid Form**Bid Date: 5/3/2023Project: **IFB-5217-23-DD "2022 Waterline Replacement Project Phase 2"**Bidding Company: DIRTWORKS CONSTRUCTION, LLCName of Authorized Agent: BRANDEN HUGHESEmail dirtworksconstruction@gmail.comTelephone 970-256-1191 Address 1070 2 1/2 ROADCity GRAND JUNCTION State CO Zip 81505

The undersigned Offeror, in compliance with the Invitation for Bids, having examined the Instruction to Offerors, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed Work, hereby proposes to furnish all labor, materials and supplies, and to perform all Work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same Work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Offerors, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of N/A percent of the net dollar will be offered to the Owner if the invoice is paid within N/A days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: 0

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: DIRTWORKS CONSTRUCTION, LLC

Authorized Signature: [Signature]

Title: OWNER/PRESIDENT

## Bid Schedule: 2022 Riverside Waterline Replacement Additional Scope

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	Water Main (8") (C-900 PVC) (INSTALL ONLY) (Includes cost of restrained connection to existing pipe)	1,405.	LF	\$ <u>22.50</u>	\$ <u>31,612.50</u>
2	108.3	Gate Valve (6")	1.	EA	\$ <u>500.00</u>	\$ <u>500.00</u>
3	108.3	Gate Valve (8")	3.	EA	\$ <u>650.00</u>	\$ <u>1,950.00</u>
4	108.3	Tee (6" x 6") MJ Swivel Tee (Epoxy Coated)	2.	EA	\$ <u>300.00</u>	\$ <u>600.00</u>
5	108.3	Tee (8" x 6") MJ Swivel Tee (Epoxy Coated)	1.	EA	\$ <u>325.00</u>	\$ <u>325.00</u>
6	108.3	Tee (8" x 8") MJ Swivel Tee (Epoxy Coated)	1.	EA	\$ <u>350.00</u>	\$ <u>350.00</u>
7	108.3	Elbow (8" x 45 deg) (Epoxy Coated)	2.	EA	\$ <u>250.00</u>	\$ <u>500.00</u>
8	108.3	Reducer (8" x 6") (Epoxy Coated)	2.	EA	\$ <u>250.00</u>	\$ <u>500.00</u>
9	108.3	Fire Hydrant Assembly	1.	EA	\$ <u>7,500.00</u>	\$ <u>7,500.00</u>
10	108.4	Service Tap - Includes Tapping Saddle and Corporation Stop (3/4")	43.	EA	\$ <u>565.00</u>	\$ <u>24,295.00</u>
11	108.4	Water Service Line (3/4") (Type K Copper) (If Lead or Poly service line is encountered, water service shall be replaced to meter) (Includes cost of connection to existing pipe)	300.	LF	\$ <u>21.00</u>	\$ <u>6,300.00</u>
12	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	4.	EA	\$ <u>325.00</u>	\$ <u>1,300.00</u>
13	202	Abandon Existing Water Valve (Close valve, remove top half of existing valve box, fill cavity to finished subgrade with flow-fill material)	3.	EA	\$ <u>325.00</u>	\$ <u>925.00</u>
14	202	Remove Existing Fire Hydrant (Return Hydrant to City Shops)	1.	EA	\$ <u>450.00</u>	\$ <u>450.00</u>
15	202	Removal of Asphalt Mat (Full Depth)	6,000.	SF	\$ <u>.45</u>	\$ <u>2,700.00</u>
16	202	Removal of Asphalt Mat (Planing) (2" Thick for T-Top Section)	9,000.	SF	\$ <u>.78</u>	\$ <u>7,020.00</u>
17	304	Aggregate Base Course (Class 6) (6" thick)	700.	SY	\$ <u>6.50</u>	\$ <u>4,550.00</u>
18	401	Hot Bituminous Pavement (Patching) (3" Thick Bottom Lift) (Grading SX, PG 64-22) (GYR.=75)	6,000.	SF	\$ <u>4.25</u>	\$ <u>25,500.00</u>
19	401	Hot Bituminous Pavement (Patching) (2" Thick top Lift) (Grading SX, PG 64-22) (GYR.=75) Includes T-TOP	9,000.	SF	\$ <u>3.00</u>	\$ <u>27,000.00</u>

## Bid Schedule: 2022 Riverside Waterline Replacement Additional Scope

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
20	625	Construction Surveying (Includes As-Built Drawings)		Lump Sum	---	\$ <u>8,000.00</u>
21	626	Mobilization		Lump Sum	---	\$ <u>13,500.00</u>
22	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ <u>12,000.00</u>
23	202	Removal of Concrete Curb and Gutter	5.	LF	\$ <u>10.00</u>	\$ <u>50.00</u>
24	202	Removal of Concrete Sidewalk	25.	SF	\$ <u>12.50</u>	\$ <u>312.50</u>
25	608	Concrete Curb and Gutter (2' Wide) (Match in Kind) (City Std. Detail C-05)	5.	LF	\$ <u>50.00</u>	\$ <u>250.00</u>
26	608	Concrete Sidewalk (6") (Match in Kind) (City Std. Detail C-10)	25.	SF	\$ <u>15.00</u>	\$ <u>375.00</u>
27						
28						
<b>Bid Amount:</b>						\$ <u>177,765.00</u>

**Bid Amount:**

**dollars**

NOTE: EXCAVATION, BACKFILL & LABOR ONLY.  
WATERLINE MATERIALS PROVIDED BY OTHERS.

# CITY OF GRAND JUNCTION

## RIVERSIDE WATERLINE REPLACEMENT

### GRAND JUNCTION, CO

### 90% REVIEW DOCUMENTS

#### CONTACTS

**OWNER:** CITY OF GRAND JUNCTION  
333 WEST AVENUE, BUILDING C  
GRAND JUNCTION, CO 81501

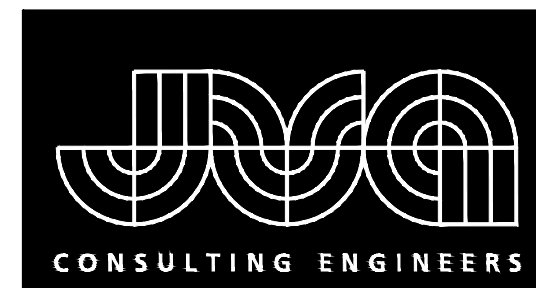
JOHN EKLUND, P.E.  
(970) 224-1558  
JOHNE@GJCITY.ORG

**ENVIRONMENTAL ENGINEER:** JVA, INC  
817 COLORADO AVENUE, SUITE 301  
GLENWOOD SPRINGS, CO 81601

COOPER BEST, P.E.  
(303) 565-4925  
CBEST@JVAJVA.COM

**SURVEYOR:** CITY OF GRAND JUNCTION  
333 WEST AVENUE, BUILDING C  
GRAND JUNCTION, CO 81501

RENEE PARENT, P.E. PLS, CFEDS  
970-256-4003  
RENEEP@GJCITY.ORG



JVA, Inc. 817 Colorado Ave., Suite 301  
Glenwood Springs, CO Zip 81601  
970.404.3100  
www.jvajva.com  
Boulder • Fort Collins • Winter Park  
Glenwood Springs • Denver

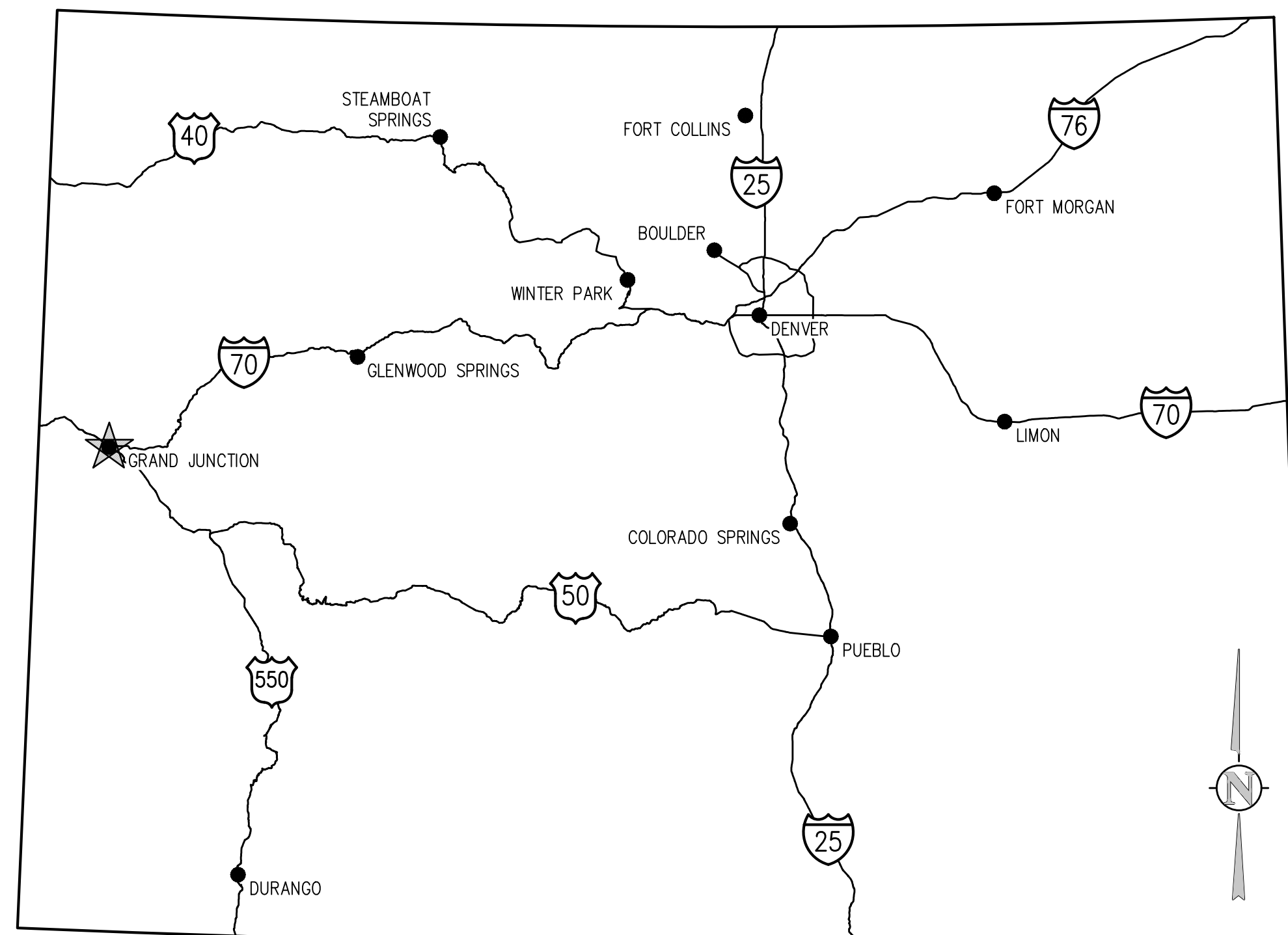
#### DRAWING INDEX

SHEET NO.	TITLE
G0.0	COVER SHEET
G0.1	LEGENDS, NOTES & ABBREVIATIONS
C1.0	CHULUOTA AVE PLAN & PROFILE
C2.0	ROCKAWAY AVE PLAN & PROFILE

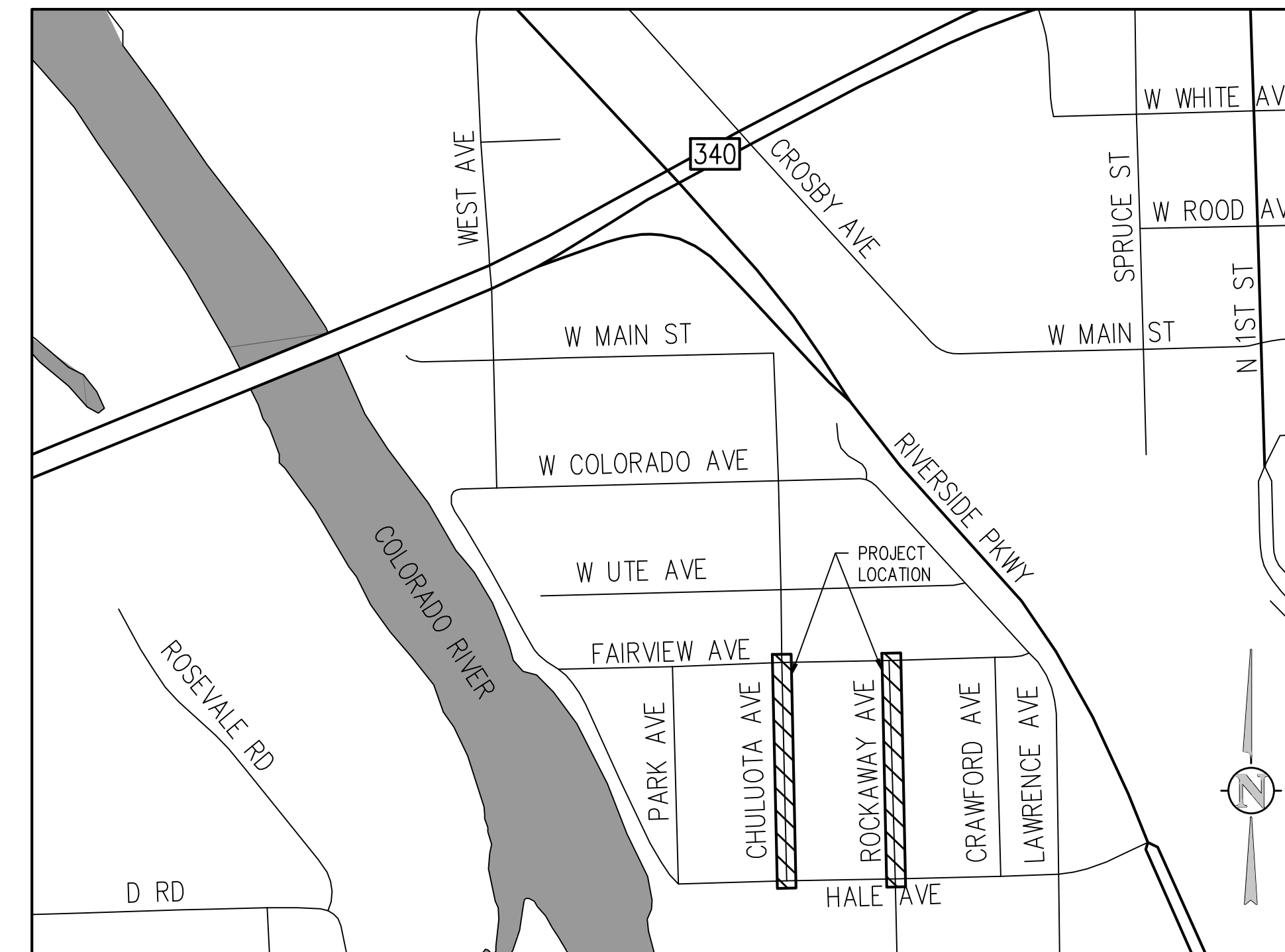
NOVEMBER 2022

PREPARED UNDER THE SUPERVISION OF

JVA, Inc.



VICINITY MAP  
NTS

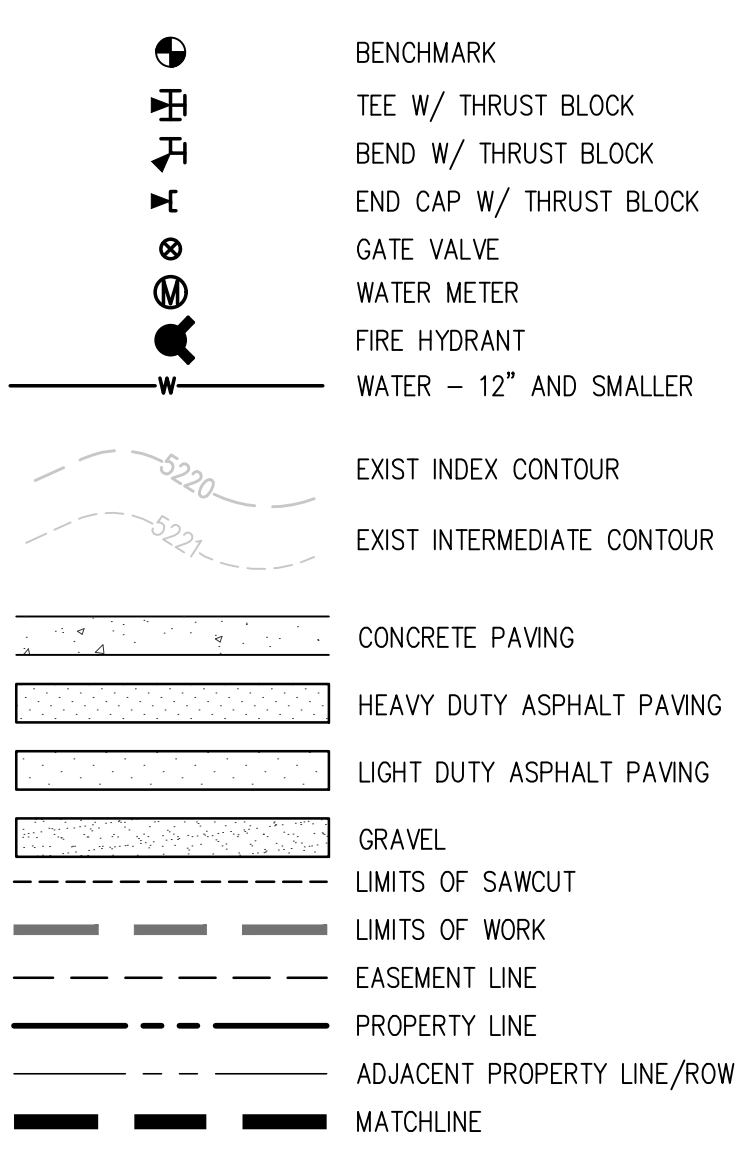


PROJECT LOCATION MAP  
NTS

**ABBREVIATIONS**

AASHTO	AMERICAN ASSOC. OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	HVAC	HEATING, VENTILATION, AIR CONDITIONING	VERT	VERTICAL
ABAN	ABANDON	HWY	HIGHWAY	VC	POINT OF VERTICAL CURVATURE
AC	ASPHALTIC CONCRETE PAVING	HWD	HIGH WATER LINE	VCP	VERTIFIED CLAY PIPE
ADDL	ADDITIONAL	HYD	HYDRANT	W	WIDE OR WIDTH
ADDM	ADDITIONAL	INCL	INCLUDED	W/O	WITHOUT
ADJ	ADJUSTABLE	ID	INSIDE DIAMETER	WOCE	WATER QUALITY CONTROL ELEVATION
AL	ALUMINUM	IN	INLET	WSE	WATER SURFACE ELEVATION
ALT	ALTERNATE	INSUL	INSULATION	WW	WASTEWATER
AMT	AMOUNT	INV	INVERT	X SECT	CROSS SECTION
APPROX	APPROXIMATE	IRR	IRRIGATION	XFMR	ELECTRONIC TRANSFORMER
ARCH	ARCHITECT(URAL)	JTS	JOINTS	YH	YARD HYDRANT
ARV	AIR RELIEF VALVE	KB	KICK BLOCK		
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	KO	KNOCKOUT		
ASPH	ASPHALT	KPL	KICK PLATE		
ASSY	ASSEMBLY	KWY	KEYWAY		
ASYM	ASYMMETRICAL	L	LEFT OR LITER		
AUTO	AUTOMATIC	LSCAPE	LANDSCAPE(ING)		
AVG	AVERAGE	LF	LINEAR FOOT		
AWWA	AMERICAN WATER WORKS ASSOC.	LP	LOW POINT		
		LT	LIGHT		
		LWL	LOW WATER LEVEL		
		MAINT	MAINTENANCE		
		MAN	MANUAL		
		MATL	MATERIAL		
		MAX	MAXIMUM		
		ME	MATCH EXISTING		
		MECH	MECHANICAL		
		MFR	MANUFACTURER		
		MH	MANHOLE		
		MIN	MINIMUM		
		MISC	MISCELLANEOUS		
		MJ	MECHANICAL JOINT		
		NA	NORTH		
		N	NOT APPLICABLE		
		NIC	NOT IN CONTRACT		
		NPT	NATIONAL PIPE THREAD		
		NTS	NOT TO SCALE		
		OS	OFFSET		
		OC	ON CENTER		
		OD	OUTSIDE DIAMETER		
		OPP	OPPOSITE		
		OPT	OPTIONAL		
		PC	POINT OF CURVATURE		
		PCO	PRESSURE CLEAN OUT		
		PCR	POINT OF CURVE RETURN		
		PI	POINT OF INTERSECTION		
		PVI	POINT OF VERTICAL INTERSECTION		
		PL	PROPERTY LINE		
		PE	POLYETHYLENE		
		PREFAB	PREFABRICATED		
		PRELIM	PRELIMINARY		
		PREP	PREPARATION		
		PROP	PROPOSED		
		PRV	PRESSURE REDUCING VALVE OR PRESSURE RELIEF VALVE		
		PSF	POUNDS PER SQUARE FOOT		
		PSI	POUNDS PER SQUARE INCH		
		PT	POINT OF TANGENCY		
		PV	PLUG VALVE		
		PVC	POLYVINYL CHLORIDE OR ELEVATION		
		ELB	ELBOW		
		PVMT	POINT OF VERTICAL CURVATURE PAVEMENT		
		ENGR	ENGINEER		
		QTY	QUANTITY		
		R	RIGHT		
		RAD	RADIUS		
		RCP	REINFORCED CONCRETE PIPE		
		RD	ROOF DRAIN		
		REC	REFERENCE		
		RECT	RECTANGULAR		
		REINF	REINFORCE (D) (NG) (MENT)		
		REO	REQUIRED		
		ROW	RIGHT OF WAY		
		SAN	SANITARY		
		SC	SAWCUT		
		SD	STORM DRAIN		
		SECT	SECTION		
		SPD	STANDARD PROCTOR DENSITY		
		SPEC	SPECIFICATION		
		SQ	SQUARE		
		SQ IN	SQUARE INCH		
		SQ FT	SQUARE FOOT		
		SQ YD	SQUARE YARD		
		SS	SANITARY SEWER		
		SST	STAINLESS STEEL		
		STA	STATION		
		STD	STANDARD		
		STL	STEEL		
		STRUCT	STRUCTURAL		
		SVC	SERVICE		
		SWMP	STORMWATER MANAGEMENT PLAN		
		SYM	SYMMETRICAL		
		TBC	TOP BACK OF CURB		
		TBM	TEMPORARY BENCH MARK		
		TEMP	TEMPORARY		
		TG	FINISHED GRADE ADJACENT TO TOP OF WALL THICK		
		THK	THICK		
		TOB	TOP OF BANK		
		TOC	TOP OF CONCRETE OR TOP OF CURB		
		TOT	TOP OF STEP		
		TOT	TOTAL		
		TW	TOP OF WALL OR CAP OF WALL		
		TYP	TYPICAL		
		UBC	UNIFORM BUILDING CODE		
		UGE	UNDERGROUND ELECTRIC		
		UTIL	UTILITY		

**DESIGN LEGEND**

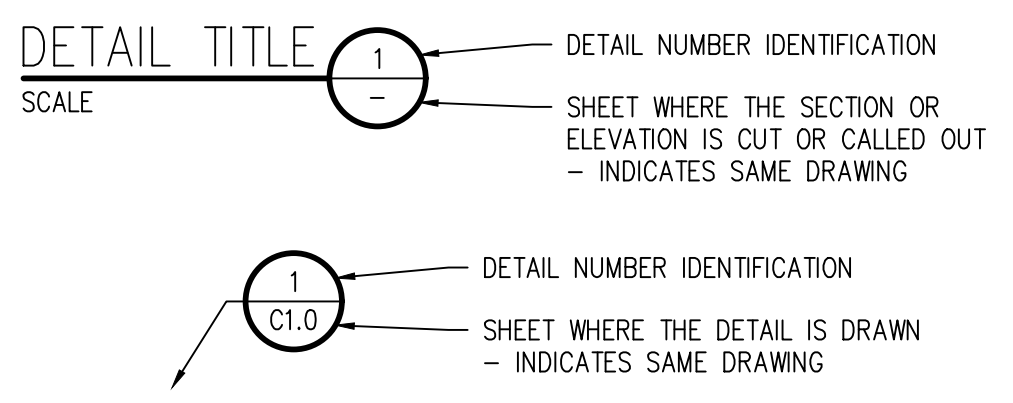


Know what's below. Call before you dig.

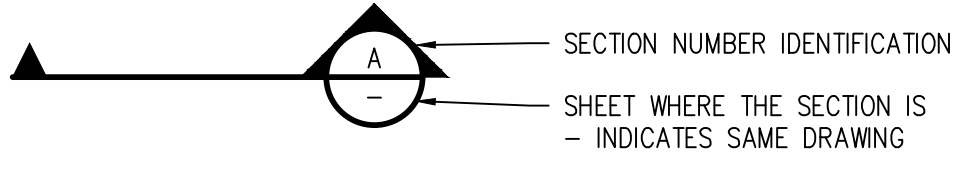
**GENERAL NOTES**

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF GRAND JUNCTION, COLORADO DEPARTMENT OF TRANSPORTATION, GRAND JUNCTION FIRE PROTECTION REQUIREMENTS, AND APPLICABLE STATE AND LOCAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN POSSESSION AT THE JOB SITE AT ALL TIMES ONE (1) SIGNED COPY OF APPROVED PLANS, STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EMERGENCY ACCESS ROUTES TO THE SITE AND STRUCTURE AT ALL TIMES PER THE APPLICABLE GRAND JUNCTION FIRE PROTECTION DISTRICT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS. NOTIFY ENGINEER OF ANY CONFLICTING STANDARDS OR SPECIFICATIONS. IN THE EVENT OF ANY CONFLICTING STANDARD OR SPECIFICATION, THE MORE STRINGENT OR HIGHER QUALITY STANDARD, DETAIL OR SPECIFICATION SHALL APPLY.
- THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARD SPECIFICATIONS, PERMITS, BONDS, ETC., WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING, BUT NOT LIMITED TO A LOCAL AND STATE GROUNDWATER DISCHARGE AND COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) STORMWATER DISCHARGE PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE REQUIRED PARTY OWNER AND ENGINEER AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION, PRIOR TO BACKFILLING, AND AS REQUIRED BY JURISDICTIONAL AUTHORITY AND/OR PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL CONTINUE WITH NOTIFICATIONS THROUGHOUT THE PROJECT AS REQUIRED BY THE STANDARDS AND SPECIFICATIONS.
- THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION BASED ON INFORMATION BY OTHERS. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT SIZE, LOCATION AND TYPE OF ALL EXISTING UTILITIES WHETHER SHOWN OR NOT BEFORE COMMENCING WORK. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS SHOWN ON PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH GRADING AND CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF UTILITIES SHALL BE PERFORMED AND INSPECTED ACCORDING TO THE REQUIREMENTS OF THE UTILITY OWNER. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAPPING ANY EXISTING UTILITY (INCLUDING DEPTH) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, AND FOR RELOCATING ENCOUNTERED UTILITIES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL CONTACT AND RECEIVE APPROVAL FROM UTILITY OWNER AND ENGINEER BEFORE RELOCATING ANY ENCOUNTERED UTILITIES. CONTRACTOR RESPONSIBLE FOR SERVICE CONNECTIONS, AND RELOCATING AND RECONNECTING AFFECTED UTILITIES AS COORDINATED WITH UTILITY OWNER AND/OR ENGINEER, INCLUDING NON-MUNICIPAL UTILITIES (TELEPHONE, GAS, CABLE, ETC., WHICH SHALL BE COORDINATED WITH THE UTILITY OWNER). THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER UPON DISCOVERY OF A UTILITY DISCREPANCY OR CONFLICT. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987, WWW.UCCO.ORG). SEE SURVEY UTILITY LOCATION INFORMATION BELOW.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR OWNER AND/OR CITY APPROVAL AND PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR AGREES TO COMPLY WITH THE PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," PART VI, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL. ALL TEMPORARY AND PERMANENT SIGNAGE SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REGARD TO SIGN SHAPE, COLOR, SIZE, LETTERING, ETC. UNLESS OTHERWISE SPECIFIED. IF APPLICABLE, PART NUMBERS ON SIGNAGE DETAILS REFER TO MUTCD SIGN NUMBERS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ABUTTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. GROUNDWATER TO BE PUMPED SHALL BE TESTED, PERMITTED, AND PUMPED PER THE STATE OF COLORADO AND LOCAL GROUNDWATER DISCHARGING PERMIT REQUIREMENTS.
- RIM AND GRATE ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL ADJUST RIMS AND OTHER IMPROVEMENTS TO MATCH FINAL PAVEMENT AND FINISHED GRADE ELEVATIONS.
- THE EXISTING AND PROPOSED ELEVATIONS OF FLATWORK, SIDEWALKS, CURBS, THRESHOLDS, PAVING, ETC. AS SHOWN HEREON ARE BASED ON EXTRAPOLATION OF FIELD SURVEY DATA, EXISTING CONDITIONS, AND DATA PROVIDED BY OTHERS. AT CRITICAL AREAS HYDRANT LATERALS AND SITE FEATURES, CONTRACTOR SHALL HAVE FORMWORK INSPECTED AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER PRIOR TO PLACING CONCRETE. MINOR ADJUSTMENTS, AS APPROVED, TO PROPOSED GRADES, INVERTS, ETC. MAY BE REQUIRED TO PREVENT PONDING OR SLOPE NOT IN CONFORMANCE WITH MUNICIPAL STANDARDS. ALL FLATWORK MUST PREVENT PONDING AND PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS, WALLS, ROOF DRAIN OUTFALLS, ACROSS DRIVES AND WALKS, ETC., TOWARDS THE PROPOSED INTENDED DRAINAGE FEATURES AND CONVEYANCES.
- FINAL LIMITS OF REQUIRED ASPHALT SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
- ANY EXISTING MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC. TO BE PROTECTED AND TO REMAIN IN SERVICE. IF FEATURES EXIST, EXTEND OR LOWER TO FINAL SURFACE WITH LIKE KIND CAP WITH STANDARD CAST ACCESS LID WITH SAME MARKINGS. IN LANDSCAPED AREAS PROVIDE A CONCRETE COLLAR (18"x18"x6" THICK) AT ALL EXISTING AND PROPOSED MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC.
- OWNER TO APPROVE ALL PRIVATE CONCRETE FINISHING, JOINT PATTERNS AND COLORING REQUIREMENTS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- PIPE LENGTHS AND HORIZONTAL CONTROL POINTS SHOWN ARE FROM CENTER OF STRUCTURES, END OF FLARED END SECTIONS, ETC. SEE STRUCTURE DETAILS FOR EXACT HORIZONTAL CONTROL LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ACTUAL PIPE LENGTHS TO ACCOUNT FOR STRUCTURES AND LENGTH OF FLARED END SECTIONS.
- ALL SURPLUS MATERIALS, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE MUNICIPALITY OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE STATE OF COLORADO, MILE HIGH FLOOD DISTRICT "URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARD PLANS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. JURISDICTIONAL AUTHORITY MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AT THE CONTRACTOR'S EXPENSE DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED. THE CONTRACTOR IS RESPONSIBLE FOR PROHIBITING SILT AND DEBRIS LADEN RUNOFF FROM LEAVING THE SITE, AND FOR KEEPING ALL PUBLIC AREAS FREE OF MUD AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING FINAL GRADES AND FOR REMOVING ACCUMULATED SEDIMENTATION FROM ALL AREAS INCLUDING SWALES AND DETENTION/WATER QUALITY AREAS. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER AND MUNICIPALITY.
- ADA COMPLIANCE: THE CROSS-SLOPE OF ALL WALKS MUST BE LESS THAN 1:48 (2.0%) PERPENDICULAR TO DIRECTION OF TRAVEL. RUNNING SLOPE OF ACCESSIBLE WALKS MUST BE NOT STEEPER THAN 1:20 (5.0%) IN DIRECTION OF TRAVEL. MAXIMUM GRADE OF ACCESSIBLE CURB RAMPS AND RAMPS IS 1:12 (8.3%). CURB RAMPS SHALL PROVIDE A LANDING AT THE TOP AND RAMP RUNS PROVIDE LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN AT A SLOPE NOT TO EXCEED 1:48. RAMPS RUNS EXCEEDING SIX INCHES SHALL INCLUDE HANDRAILS. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACEMENT OF FLATWORK OF SITE CONDITIONS OR DISCREPANCIES WHICH PREVENT TYPICAL REQUIRED GRADES FROM BEING ACHIEVED. ALL RAMPS, STAIRS, EDGE PROTECTION, AND RAILINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADA STANDARDS. ACCESSIBLE CURB RAMPS SHALL CONFORM TO THE CDOT M-STANDARDS (SEE DETAIL M-608-1, ETC). ACCESSIBLE FEATURE WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL BE CONSTRUCTED TO CONFORM TO THE LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- PROTECT ALL TREES AND VEGETATION. PLACE CONSTRUCTION FENCING AT DRIP LINE OF TREES AND PLANTS NEAR THE WORK ZONE. DEEP WATER TREES WEEKLY. HAND EXCAVATION REQUIRED AT ROOT ZONES WHERE PROPOSED PAVING OR UTILITY WORK IS WITHIN DRIPLENE OF TREES.
- LOCATIONS OF CLEANOUTS, LIGHTS, SIGNAGE, JUNCTION BOXES, AND OTHER SIGNIFICANT SITE FEATURES TO BE STAKED FOR ENGINEER AND OR OWNER APPROVAL PRIOR TO WORK. CLEANOUTS, JUNCTION BOXES, AND ADJACENT GRADES TO BE RAISED ONE-HALF INCH AT ASPHALT/CONCRETE (OR 1" AT LANDSCAPING) TO PROVIDE POSITIVE DRAINAGE AWAY FROM FEATURES.
- SURVEY INFORMATION:  
BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS PROVIDED BY THE CITY OF GRAND JUNCTION. SEE EXISTING CONDITIONS SURVEY CHULLUOTA AVENUE (HALE AVENUE TO FAIRVIEW AVENUE) DATED 10/22/2022. CONTROL POINTS SHOWN ON PLANS.  
18.1 BEARINGS ARE BASED ON THE SOUTH LINE OF THE SW1/4SE1/4 SECTION 15, TOWNSHIP 1 SOUTH RANGE 1 WEST OF THE UTE MERIDIAN, N8957°47'W, MESA COUNTY LOCAL COORDINATE SYSTEM. THE WEST END OF SAID LINE IS A 2.25" BRASS STAMPED MCM. THE EAST END OF SAID LINE IS 2.5" BRASS CAP ILLIBLE. LEGACY COORDINATES WERE USED FOR THIS EXISTING CONDITIONS DRAWING. COORDINATE AND VERIFY ALL VERTICAL AND HORIZONTAL DATA SHOWN IN SURVEY AND REPORT ANY IRREGULARITIES OR DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.  
18.2 SURVEY UTILITY LOCATION INFORMATION PER THE SURVEYOR: SUBSURFACE UTILITIES ARE SHOWN IN APPROXIMATE HORIZONTAL AND VERTICAL LOCATIONS CONSISTENT WITH ASCE 38-02 QUALITY LEVEL "B" (INFORMATION OBTAINED BY THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF VIRTUALLY ALL UTILITIES WITHIN THE PROJECT LIMITS. THE INFORMATION OBTAINED IN THIS MANNER IS SURVEYED TO PROJECT CONTROL.) AND QUALITY LEVEL "C" (INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D; INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS), AND BASED ON FIELD MEASUREMENTS PROVIDED BY THE OWNER AND THE CONTRACTOR. SUBSURFACE UTILITIES ARE NOT DEPICTED TO THE EXTENT SET FORTH IN ASCE 38-02 QUALITY LEVELS "A" (INFORMATION OBTAINED THROUGH THE NONDESTRUCTIVE EXPOSURE OF UNDERGROUND UTILITIES, AND ALSO PROVIDES THE TYPE, SIZE, CONDITION, MATERIAL AND OTHER CHARACTERISTICS OF UNDERGROUND FEATURES). TO THE EXTENT DEEMED NECESSARY FOR THE PROTECTION OF PERSONS AND PROPERTY, POTHOLES OR OTHER PRECISE MAPPING MAY BE COMPLETED TO CONFIRM THE EXACT LOCATION OF ANY SUBSURFACE UTILITIES. NOTIFY OWNER AND ENGINEER WITH ALL UTILITY INFORMATION PRIOR TO CONSTRUCTION. VISIT [HTTPS://WWW.FHWA.DOT.GOV/PROGRAMADMIN/SUEINDEX.CFM](https://www.fhwa.dot.gov/programadmin/sueindex.cfm) FOR MORE INFORMATION.  
18.3 SERVICE TAP LOCATIONS ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND RESTORING ALL SERVICE CONNECTIONS.
- THE CONTRACTOR AT THE CONTRACTORS EXPENSE SHALL FURNISH THE OWNER AND ENGINEER OF RECORD A COMPLETE SET OF CONSTRUCTION RECORD DRAWINGS ("AS-BUILTS") FOR THE CONSTRUCTED IMPROVEMENTS. THE AS-BUILT SET SHALL SHOW SUFFICIENT DIMENSION TIES TO PERMANENT SURFACE FEATURES OR NORTHING/EASTING POINTS FOR ALL BURIED FACILITIES TO ALLOW FOR FUTURE LOCATING. THE AS-BUILT SET SHALL SHOW AS-BUILT CONTOURS AND ELEVATIONS OF ASPHALT AND CONCRETE FLATWORK, FLOWLINES, GRADE BREAKS, STAIRS, CROSS-SLOPES, HIGH AND LOW POINTS, AND ADDITIONAL ELEVATIONS TO DEMONSTRATE WHERE CONSTRUCTED PER PLANS. THE AS-BUILT SET SHALL SHOW ELEVATIONS OF ALL DETENTION/WATER QUALITY FACILITIES, INCLUDING BUT NOT LIMITED TO BERMS, SPILLWAYS, BASIN BOTTOM, PIPE INVERTS, AND CONTROL STRUCTURE FEATURES (AS SURVEYED AND STAMPED BY A CERTIFIED P.L.S.). THE AS-BUILT SET SHALL ALSO INCLUDE ELEVATIONS OF MANHOLES, PIPES, INLETS, GRATES, AND SIZES OF ALL UTILITIES. THE AS-BUILT SET SHALL SHOW ANY AND ALL VARIATIONS FROM THE APPROVED PLAN. ENGINEER WILL PRODUCE FINAL RECORD DRAWINGS.

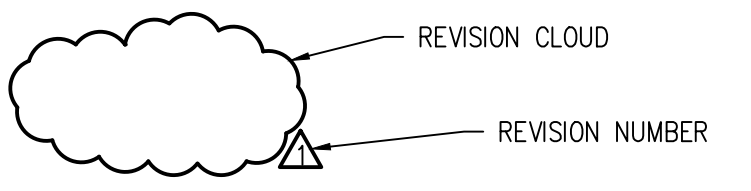
**DETAIL TITLE**



**SECTION CALLOUT**



**DETAIL MARKER**



**SURVEY LEGEND**



NOTE: SHADED ITEMS REPRESENT EXIST FEATURES

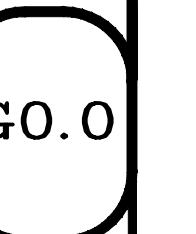
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REVISION			DESIGNED BY <u>LAL/ZCF</u>	DATE <u>NOV 2022</u>	PLAN & PROFILE
REVISION			CHECKED BY <u>JJM</u>	DATE <u>NOV 2022</u>	
REVISION			APPROVED BY _____	DATE _____	



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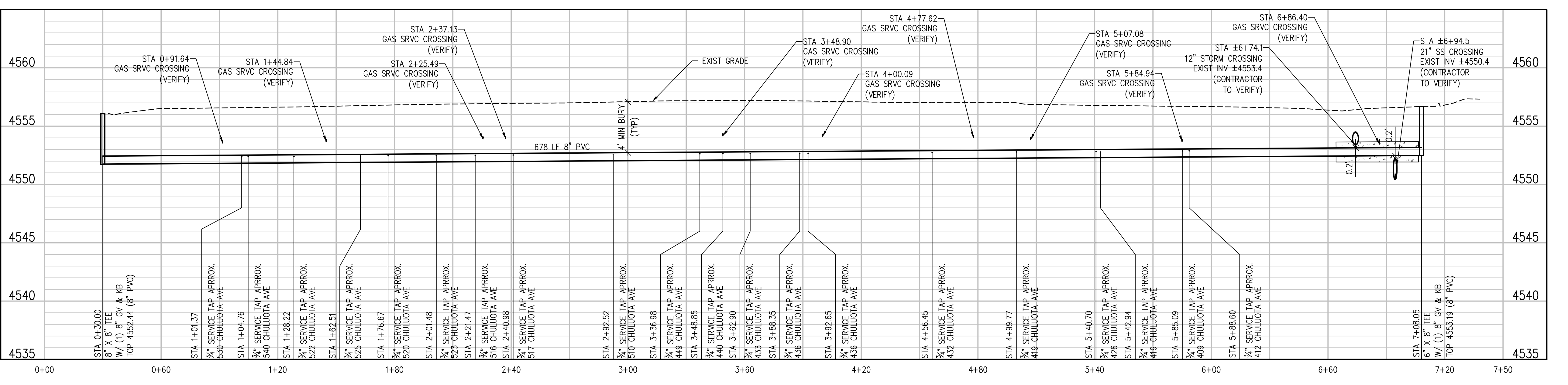
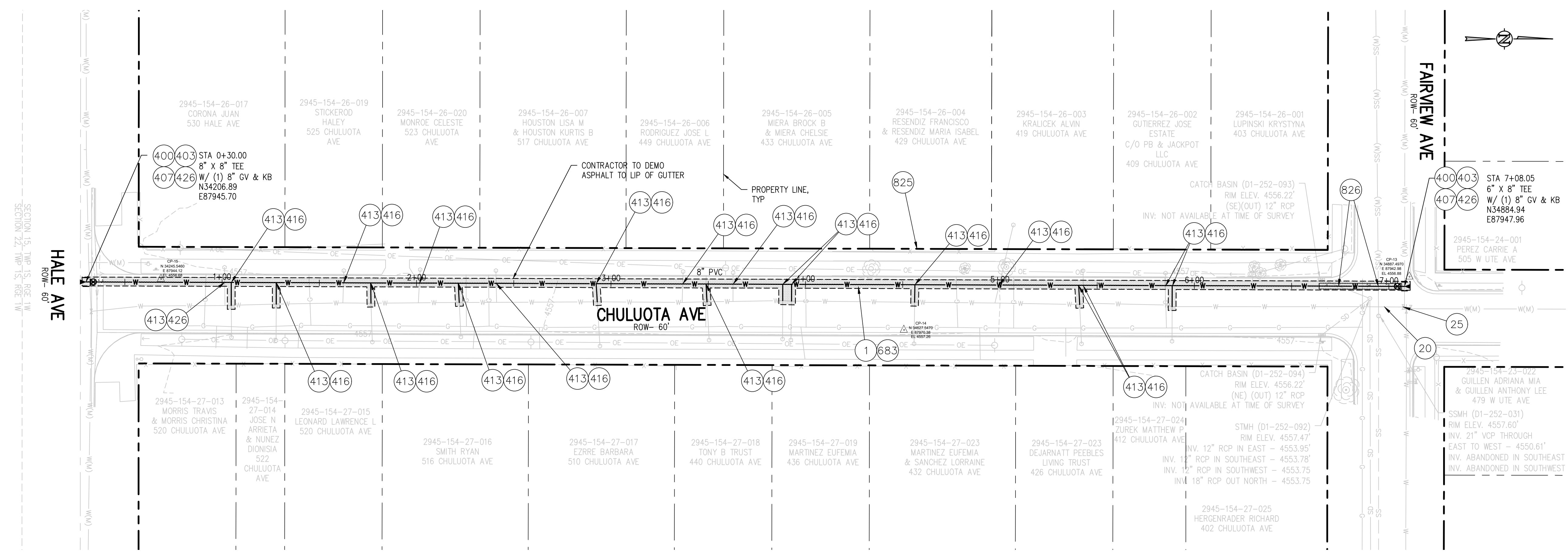
**RIVERSIDE WATERLINE REPLACEMENT**

**COVER SHEET**



### CONSTRUCTION NOTES

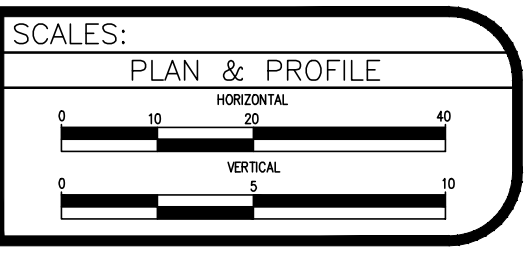
- 1 202 - REMOVAL OF ASPHALT MAT. SAW CUT AND REMOVE ASPHALT AS SHOWN (INDICATED BY DOT HATCH PATTERN).
- 20 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE
- 25 202 - ABANDON EXISTING WATER VALVE. CLOSE VALVE, REMOVE TOP HALF OF EXISTING VALVE BOX, FILL CAVITY TO FINISHED SUBGRADE WITH FLOW FILL MATERIAL.
- 400 102.7/108.2 - WATER MAIN PIPE (C-900 DR-18 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8/108.3 - GATE VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 413 102.7C/108.4 - WATER SERVICE LINE (TYPE K COPPER)
- 416 102.8J/108.4 - CORPORATION STOP (SIZE AS SHOWN ON PLAN)
- 426 CONNECT TO EXISTING WATER PIPE/VALVE/FITTING. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 683 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (4" THICK ON TOP OF 6" ABC) (GRADING SX, BINDER GRADE PG 64-22, GYR 75.) (TWO 2" LIFTS)
- 825 CONTRACTOR IS RESPONSIBLE FOR REPAIR COSTS ASSOCIATED WITH ANY/ALL DAMAGE TO PRIVATE PROPERTY BEHIND ROW LINE OR EASEMENT LIMITS.
- 826 PROTECT EXISTING UTILITY LINE IN PLACE



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REVISION	DESCRIPTION	DATE

DRAWN BY ZCF/NLM DATE NOV 2022  
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 CHECKED BY JJM DATE NOV 2022  
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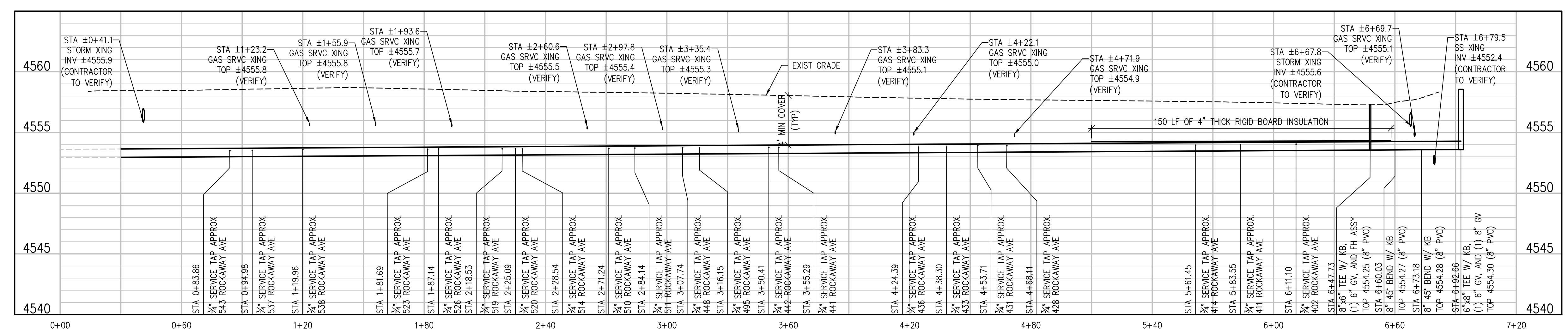
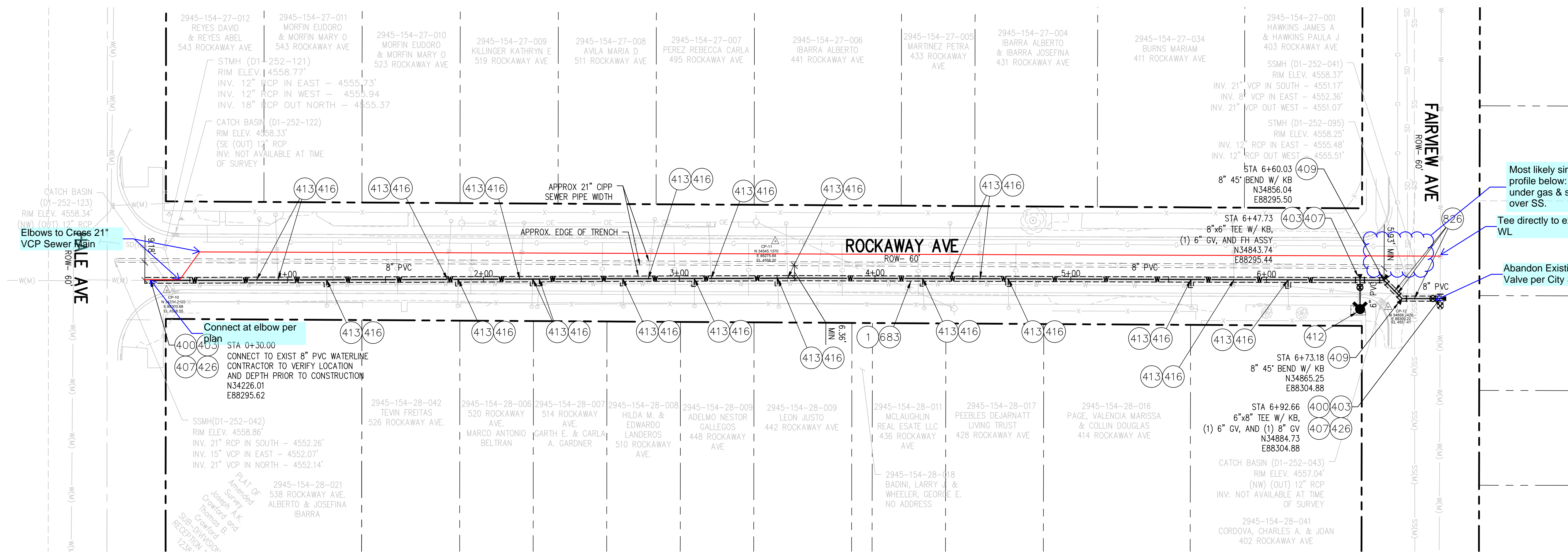


## RIVERSIDE WATERLINE REPLACEMENT CHULUOTA AVE PLAN & PROFILE

C1.0

### CONSTRUCTION NOTES

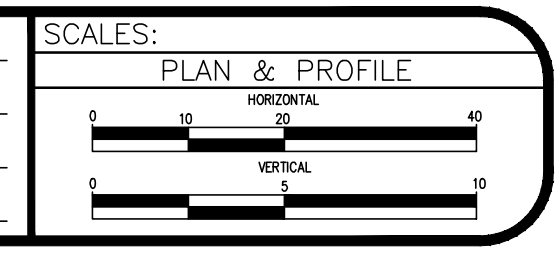
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DESIGNED BY	LAL/ZCF	DATE	NOV 2022
CHECKED BY	JJM	DATE	NOV 2022
APPROVED BY		DATE	



## RIVERSIDE WATERLINE REPLACEMENT ROCKAWAY AVE PLAN & PROFILE

C2.0