WILLIAMSON COUNTY, TEXAS
CHANGE ORDER NUMBER: 8

1. CONTRACTOR: **James Construction Group**

2. Change Order Work Limits: Sta. **3+53.53** to Sta. **4+81.26**

3. Type of Change(on federal-aid non-exempt projects): _____ (Major/Minor)

4. Reasons: **1B** (3 Max. - In order of importance - Primary first)

Project:	***22IFB139***
Roadway:	***FM 3349***
CSJ Number:	***Williamson Co***

5. Describe the work being revised:

1. Design Error or Omission. 1B. Other: This Change Order compensates the contractor for installation of 280 linear feet of 36-inch Ductile Iron (DI) pipe for City of Hutto water line project, instead of the previously specified 36-inch PVC pipe. This adjustment is required for the 48-inch bored steel casing under FM 3349 and the transition to a 56-inch casing for the open cut section. This modification was requested by and is 100% reimbursable by the City of Hutto.

6. Work to be performed in accordance with Items: **See Attached**

7. New or revised plan sheet(s) are attached and numbered: **01C-01, 01C-02 & 01C-03**

8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☑ No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit, or loss of compensation as a result of this change.

THE CONTRACTOR Date 10/11/23

By _____

Typed/Printed Name Josey Williams

Typed/Printed Title Division Manager

The following information must be provided

Time Ext. #: _____ Days added on this CO: _____

Amount added by this change order: **$327,321.48**

RECOMMENDED FOR EXECUTION:

_____ 10/16/2023
Project Manager Date

N/A
Design Engineer Date

_____ 10/19/2023
Program Manager Date

Design Engineer's Seal:

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: *8* ***Project #*** *22IFB139*

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
W4.05.A	Furnish and Install 48-inch steel casing pipe by open cut, not including 36" carrier pipe, with appurtenances, Complete in Place	LF	$ 751.00	672.00	$504,672.00	(672.00)	0.00	$0.00	($504,672.00)
SP.W1.17.I	Furnish and Install 36" Ductile Iron restrained M.J. 90 degree bend (Class 200 psi) per AWWA C153, Complete in Place	EA	$ 19,622.00	4.00	$78,488.00	(4.00)	0.00	$0.00	($78,488.00)
W4.02.36	48" STEEL CASING SPACERS (MATERIAL ONLY)	EA	$ 590.00	-	$0.00	(105.00)	-105.00	($61,950.00)	($61,950.00)
W1.17.D	36" CL 350 CL DI FLEX RING PIPE (MATERIAL ONLY)	LF	$ 824.01	-	$0.00	100.00	100.00	$82,401.00	$82,401.00
W1.17.D1	36" CL 250 CL DI FLEX RING PIPE (MATERIAL ONLY)	LF	$ 824.01	-	$0.00	180.00	180.00	$148,321.80	$148,321.80
W20.012	81X120 8 MIL POLYWRAP F/36" PIPE (MATERIAL ONLY)	RL	$ 243.52	-	$0.00	2.00	2.00	$487.04	$487.04
W4.05.B	56 X .500 STL CASING PIPE	LF	$ 973.08	-	$0.00	680.00	680.00	$661,694.40	$661,694.40
W4.02.56	56 X .500 STL CASING SPACER (MATERIAL ONLY)	EA	$ 751.18	-	$0.00	105.00	105.00	$78,873.90	$78,873.90
W4.05.56	36 X 56 END SEAL (MATERIAL ONLY)	EA	$ 326.67	-	$0.00	2.00	2.00	$653.34	$653.34
TOTALS					$583,160.00			$910,481.48	$327,321.48

Williamson County Road Bond Program

FM3349 at US 79
Williamson County Project No. 22IFB139

Change Order No. 8

Reason for Change

This Change Order compensates the contractor for the installation of 280 linear feet of 36-inch Ductile Iron (DI) pipe for the City of Hutto water line project. The original plans included the installation of a 36-in PVC pipe with restrained joints. However, the PVC pipe-restrained joint assembly do not fit inside the 48-in steel casing. The substitution of the PVC pipe with DI pipe will allow the installation of the carrier pipe inside the 48-inch bored steel casing under FM 3349 and then transitioning to a 56-inch casing with PVC pipe for the open cut section. This modification was requested by and is 100% reimbursable by the City of Hutto. Please see attached Change Order for additional details.

Following is summary of new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
W4.02.36	48" STEEL CASING SPACERS (MATERIAL ONLY)	-105	EA
W1.17.D	36" CL 350 CL DI FLEX RING PIPE (MATERIAL ONLY)	100	LF
W1.17.D1	36" CL 250 CL DI FLEX RING PIPE (MATERIAL ONLY)	180	LF
W20.012	81X120 8 MIL POLYWRAP F/36" PIPE (MATERIAL ONLY)	2	RL
W4.05.B	56 X .500 STL CASING PIPE	680	LF
W4.02.56	56 X .500 STL CASING SPACER (MATERIAL ONLY)	105	EA
W4.05.56	36 X 56 END SEAL (MATERIAL ONLY)	2	EA

This Change Order results in a net increase of $327,321.48 to the Contract amount, for an adjusted Contract total of $83,784,333.96. The original Contract amount was $81,941,038.13. As a result of this and all Change Orders to-date, $1,843,295.83 has been added to the Contract, resulting in an 2.25% net increase in the Contract cost. No additional days will be added to or deducted from the Contract as a result of this Change Order.

HNTB Corporation

Oscar Salazar-Bueno, P.E.

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

CHANGE ORDER PROPOSAL
HUTTO WL PLAN CHANGES- CASING & PVC

DATE: 8/17/2023
REV #1 DATE: 8/31/2023
REV #2 DATE: 9/20/2023
REV #3 DATE: 9/21/2023
INVOICE #

Primoris Services Corporation
James Construction Group

Bill To:
WILLIAMSON COUNTY
HNTB CORPORATION

RE:
FM3349
ASIF MIRZAZADA
22IFB139

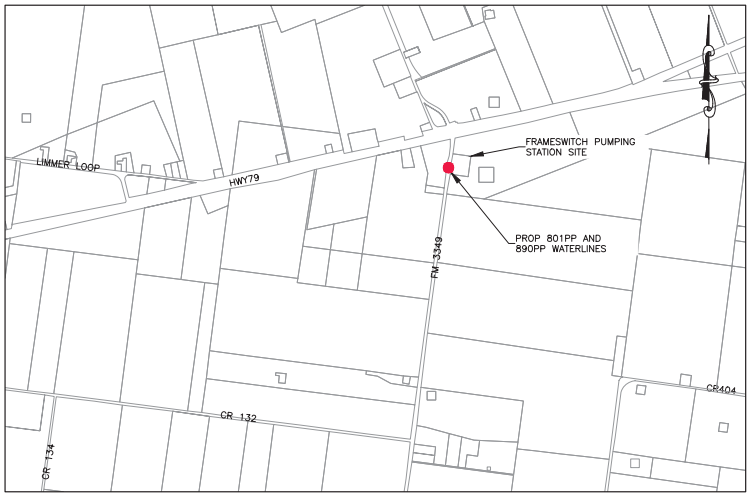
ITEM NO.	QTY	UM	DESCRIPTION	UNIT PRICE	TOTAL
NEW	100.00	LF	36" CL 350 CL DI FLEX RING PIPE (MATERIAL ONLY)	$ 824.01	$82,401.00
NEW	180.00	LF	36" CL 250 CL DI FLEX RING PIPE (MATERIAL ONLY)	$ 824.01	$148,321.80
NEW	2.00	RL	81X120 8 MIL POLYWRAP F/36" PIPE (MATERIAL ONLY)	$ 243.52	$487.04
NEW	680.00	LF	56 X .500 STL CASING PIPE	$ 973.08	$661,694.40
NEW	105.00	EA	56 X .500 STL CASING SPACER (MATERIAL ONLY)	$ 751.18	$78,873.90
NEW	2.00	EA	36 X 56 END SEAL (MATERIAL ONLY)	$ 326.67	$653.34
W4.05.A	-672.00	LF	48 X .500 STEEL CASING	$ 751.00	($504,672.00)
SP.W1.17.I	-4.00	EA	F&I 36" DI RESTRAINED MJ 90 DEGREE BEND (CLASS 200 PSI) PER AWWA C153, COMPLETE IN PLACE	$ 19,622.00	($78,488.00)
NEW	-105.00	EA	DEDUCT- 48" STEEL CASING SPACERS (MATERIAL ONLY)	$ 590.00	($61,950.00)
			* HUTTO WATER PLAN CHANGES. DESIGN CANNOT BE INSTALLED AS DRAWN. BELL RESTRAINTS		
			ON 36" PVC WILL NOT FIT INSIDE 48" STEEL CASING DUE TO WALL THICKNESS.		
				TOTAL	**$327,321.48**

FILENAME: Z:\Projects 1400-1499\20101488 - COH IPO #8 - FY 2022 On Demand Engineering\300 - Planning_Study\225 - Prelim Design 801 PP & 890 PP Waterline with Casing Pipes\2.1 - Drawings\Sheet Files\000-01.dwg, LAST SAVED ON: Jul 09 2022 2:20pm, PLOTTED BY: PGALINDO, ON: Jul 09 2022 2:46pm, CFG:

CONTRACT DRAWINGS FOR

CITY OF HUTTO, TEXAS

SE LOOP 801 PP AND 890 PP WATERLINES
JULY 2022



SITE LOCATION
N.T.S.

UTILITY CONTACTS

ELECTRIC
ONCOR ELECTRIC
350 TEXAS AVE
ROUND ROCK, TX 78664
(512) 244-5606

GAS
ATMOS MIDTX
3110 IH35
ROUND ROCK, TX 78681
(512) 310-3801

GAS
ENTERPRISE SEMINOLE PIPELINE
1100 LOUISIANA STREET, 10TH FLOOR
HOUSTON, TX 77002-5227
(979) 337-7830

WATER/WASTEWATER
CITY OF HUTTO
500 W. LIVE OAK STREET
HUTTO, TX 78634
(512) 759-4022

WATER
JONAH WATER S.U.D
(512) 759-1286

WATER
MANVILLE WATER SERVICE CORPORATION
108 N. COMMERCE
PO BOX 248
COUPLAND, TX 78615
(512) 856-2488

PHONE/CABLE/INTERNET
CENTURYLINK
1214 DOGWOOD BLVD.
KILLEEN, TX 76543
(254) 690-9370

PHONE/CABLE/INTERNET
SPECTRUM
12012 N MOPAC EXPRESSWAY
AUSTIN, TX 78758
(512) 682-8577

PHONE/CABLE/INTERNET
AT&T
(254) 715-7869

PHONE/CABLE/INTERNET
SUDDENLINK COMMUNICATIONS EAST TEXAS
(512) 931-2972

UTILITY LOCATING SERVICES ONE CALL
1-800-344-8377

TXDOT
EMERGENCY CONTACT
RICHARD GARCIA
1001 E PARMER LANE
AUSTIN, TX 78761
(512) 997-2216

DRAWING INDEX

SERIES 000 – GENERAL

00G-01 COVER SHEET
00G-02 GENERAL NOTES – SHEET NO. 1
00G-03 GENERAL NOTES – SHEET NO. 2
00G-04 ABBREVIATIONS

SERIES 100 – 801PP AND 890PP WATERLINES

01C-01 EXISTING SITE AND DEMOLITION PLAN
01C-02 EROSION SEDIMENTATION AND CONTROL PLAN
01C-03 801 PP AND 890 PP WATERLINES PLAN & PROFILE – STA -0+25 TO 5+03

SERIES 200 – MISCELLANEOUS DETAILS

02C-01 EROSION CONTROL DETAILS
02C-02 WATER DETAILS
02C-03 JOINT RESTRAINT DETAILS
02C-04 TRAFFIC CONTROL PLAN
02C-05 TRAFFIC CONTROL DETAILS
02C-06 TXDOT TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

CITY COUNCIL

MAYOR
MIKE SNYDER

MAYOR PRO TEM, COUNCIL PLACE 4
PETER GORDON

COUNCIL PLACE 1
ROBIN SUTTON

COUNCIL PLACE 5
KRYSTAL KINSEY

COUNCIL PLACE 2
DAN THORNTON

COUNCIL PLACE 6
AMBERLEY KOLAR

COUNCIL PLACE 3
RANDAL CLARK

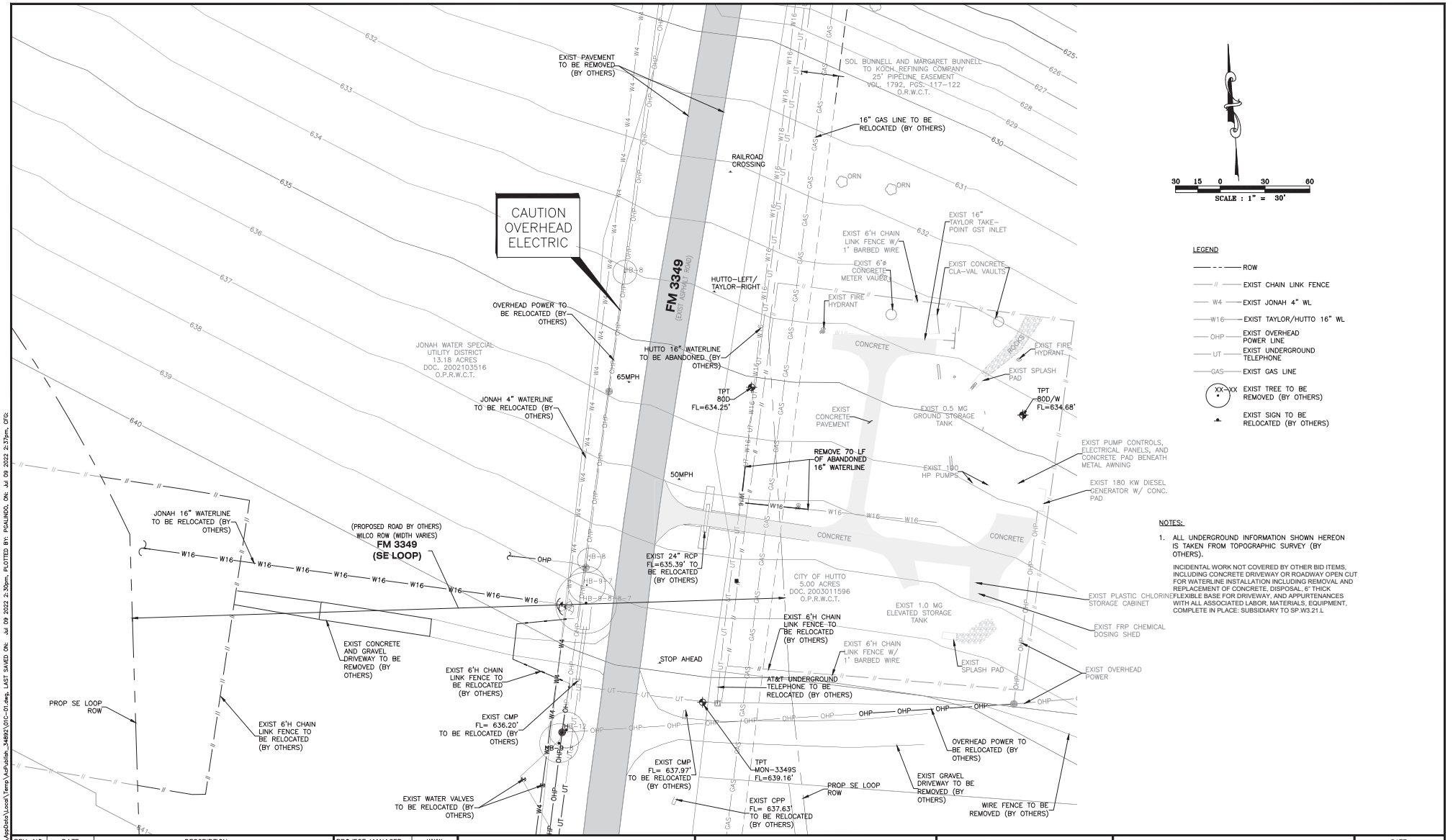
INTERIM CITY MANAGER
ISAAC TURNER

REV. NO.	DATE	DESCRIPTION	PROJECT MANAGER:	WWW
			DESIGNED BY:	JPGR
			CHECKED BY:	JTH
			DRAWN BY:	JPGR
			DCS PROJECT NO:	20101499

DCS ENGINEERING, LLC
1101 S. Capital of Texas Highway,
Building G-100
Austin, Texas 78746
Phone (512) 614-6171
T.B.P.E. FIRM NO. F-13162

STATE OF TEXAS
JORDAN T. HURTA
143332
LICENSED
PROFESSIONAL ENGINEER

7/11/2022



NOTES:

1. ALL UNDERGROUND INFORMATION SHOWN HEREON IS TAKEN FROM TOPOGRAPHIC SURVEY (BY OTHERS).

   INCIDENTAL WORK NOT COVERED BY OTHER BID ITEMS, INCLUDING CONCRETE DRIVEWAY OR ROADWAY OPEN CUT FOR WATERLINE INSTALLATION INCLUDING REMOVAL AND REPLACEMENT OF CONCRETE, DISPOSAL, 6" THICK FLEXIBLE BASE FOR DRIVEWAY, AND APPURTENANCES WITH ALL ASSOCIATED LABOR, MATERIALS, EQUIPMENT, COMPLETE IN PLACE. SUBSIDIARY TO SP.W3.21.L

REV. NO.	DATE	DESCRIPTION

PROJECT MANAGER:	WWW
DESIGNED BY:	JPGR
CHECKED BY:	JTH
DRAWN BY:	JPGR
DCS PROJECT NO:	20101499

DCS ENGINEERING, LLC
1101 S. CAPITAL OF TEXAS HIGHWAY, BUILDING G-100
AUSTIN, TX 78746
TEL: (512) 614-6171
T.B.P.E. FIRM NO. F-13162

CITY OF HUTTO

SE LOOP 801 PP AND 890 PP WATERLINES

STATE OF TEXAS
JORDAN T. HURTA
143332
LICENSED PROFESSIONAL ENGINEER
7/11/2022

801PP AND 890PP WATERLINES

EXISTING SITE AND DEMOLITION PLAN

DATE: JULY 2022
SCALE: 1" = 30'
DRAWING: 01C-01

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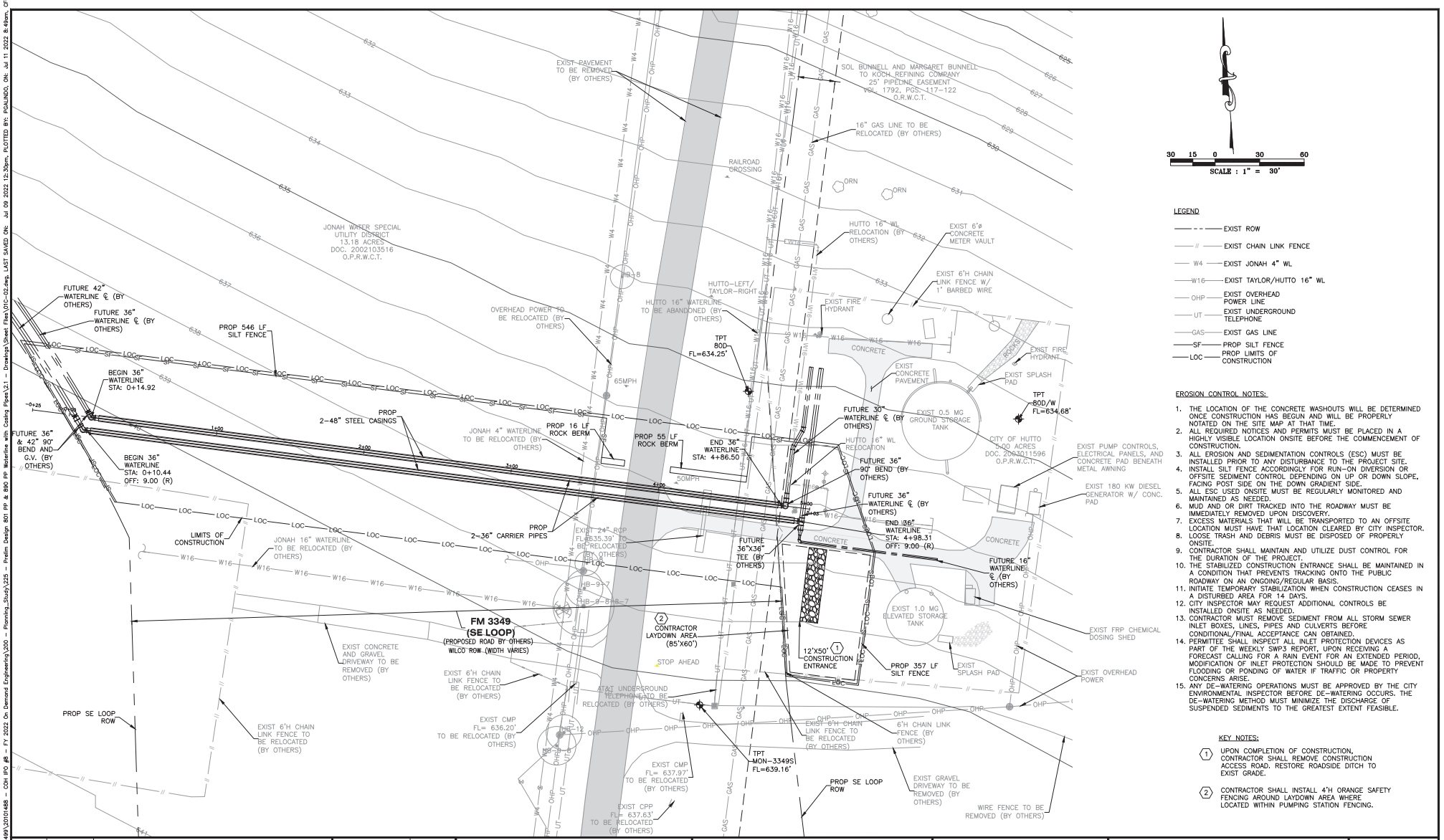


30 15 0 30 60

SCALE : 1" = 30'

LEGEND

- EXIST ROW
- EXIST CHAIN LINK FENCE
- W4 EXIST JONAH 4" WL
- W16 EXIST TAYLOR/HUTTO 16" WL
- OHP EXIST OVERHEAD POWER LINE
- UT EXIST UNDERGROUND TELEPHONE
- GAS EXIST GAS LINE
- SF PROP SILT FENCE
- LOC PROP LIMITS OF CONSTRUCTION

EROSION CONTROL NOTES:

1. THE LOCATION OF THE CONCRETE WASHOUTS WILL BE DETERMINED ONCE CONSTRUCTION HAS BEGUN AND WILL BE PROPERLY NOTATED ON THE SITE MAP AT THAT TIME.
2. ALL REQUIRED NOTICES AND PERMITS MUST BE PLACED IN A HIGHLY VISIBLE LOCATION ONSITE BEFORE THE COMMENCEMENT OF CONSTRUCTION.
3. ALL EROSION AND SEDIMENTATION CONTROLS (ESC) MUST BE INSTALLED PRIOR TO ANY DISTURBANCE TO THE PROJECT SITE.
4. INSTALL SILT FENCE ACCORDINGLY FOR RUN-ON DIVERSION OR OFFSITE SEDIMENT CONTROL DEPENDING ON UP OR DOWN SLOPE, FACING POST SIDE ON THE DOWN GRADIENT SIDE.
5. ALL ESC USED ONSITE MUST BE REGULARLY MONITORED AND MAINTAINED AS NEEDED.
6. MUD AND OR DIRT TRACKED INTO THE ROADWAY MUST BE IMMEDIATELY REMOVED UPON DISCOVERY.
7. EXCESS MATERIALS THAT WILL BE TRANSPORTED TO AN OFFSITE LOCATION MUST HAVE THAT LOCATION CLEARED BY CITY INSPECTOR.
8. LOOSE TRASH AND DEBRIS MUST BE DISPOSED OF PROPERLY ONSITE.
9. CONTRACTOR SHALL MAINTAIN AND UTILIZE DUST CONTROL FOR THE DURATION OF THE PROJECT.
10. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING ONTO THE PUBLIC ROADWAY ON AN ONGOING/REGULAR BASIS.
11. INITIATE TEMPORARY STABILIZATION WHEN CONSTRUCTION CEASES IN A DISTURBED AREA FOR 14 DAYS.
12. CITY INSPECTOR MAY REQUEST ADDITIONAL CONTROLS BE INSTALLED ONSITE AS NEEDED.
13. CONTRACTOR MUST REMOVE SEDIMENT FROM ALL STORM SEWER INLET BOXES, LINES, PIPES AND CULVERTS BEFORE CONDITIONAL/FINAL ACCEPTANCE CAN OBTAINED.
14. PERMITTEE SHALL INSPECT ALL INLET PROTECTION DEVICES AS PART OF THE WEEKLY SWP3 REPORT, UPON RECEIVING A FORECAST CALLING FOR A RAIN EVENT FOR AN EXTENDED PERIOD, MODIFICATION OF INLET PROTECTION SHOULD BE MADE TO PREVENT FLOODING OR PONDING OF WATER IF TRAFFIC OR PROPERTY CONCERNS ARISE.
15. ANY DE-WATERING OPERATIONS MUST BE APPROVED BY THE CITY ENVIRONMENTAL INSPECTOR BEFORE DE-WATERING OCCURS. THE DE-WATERING METHOD MUST MINIMIZE THE DISCHARGE OF SUSPENDED SEDIMENTS TO THE GREATEST EXTENT FEASIBLE.

KEY NOTES:

1. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE CONSTRUCTION ACCESS ROAD. RESTORE ROADSIDE DITCH TO EXIST GRADE.
2. CONTRACTOR SHALL INSTALL 4'H ORANGE SAFETY FENCING AROUND LAYDOWN AREA WHERE LOCATED WITHIN PUMPING STATION FENCING.

REV. NO.	DATE	DESCRIPTION

PROJECT MANAGER:	WWW
DESIGNED BY:	JPGR
CHECKED BY:	JTH
DRAWN BY:	JPGR
DCS PROJECT NO:	20101499

DCS ENGINEERING, LLC
DCS ENGINEERING, LLC
1101 S. CAPITAL OF TEXAS HIGHWAY, BUILDING G-100
AUSTIN, TX 78746
TEL: (512) 614-6171
T.B.P.E. FIRM NO. F-13162

CITY OF HUTTO

SE LOOP 801 PP AND 890 PP WATERLINES

STATE OF TEXAS · JORDAN T. HURTA · 143332 · LICENSED PROFESSIONAL ENGINEER

7/11/2022

801PP AND 890PP WATERLINES

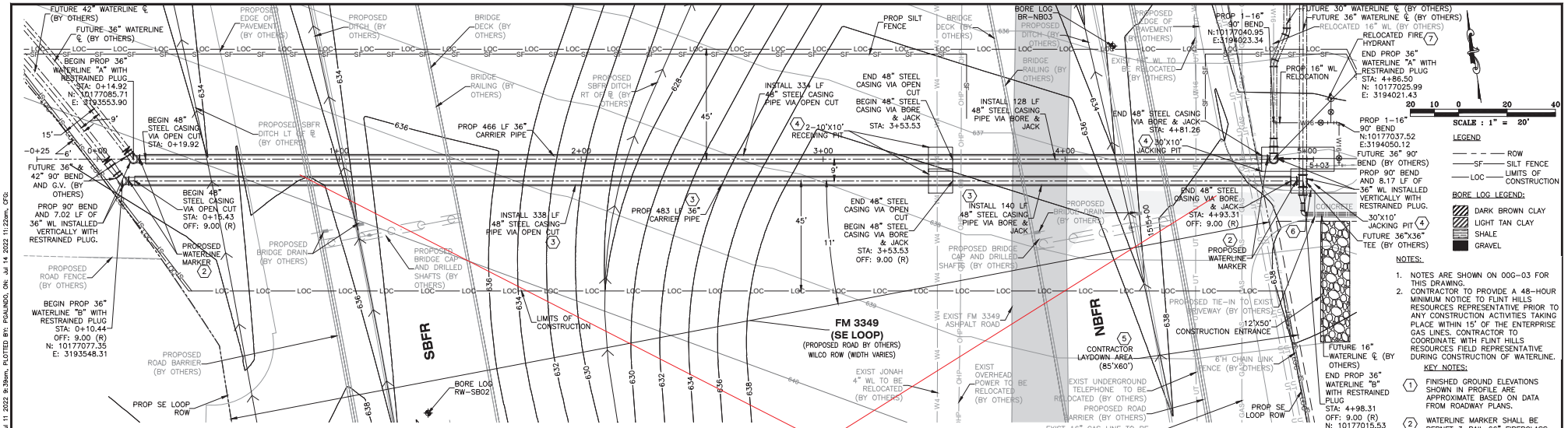
EROSION AND SEDIMENTATION CONTROL PLAN

DATE: JULY 2022

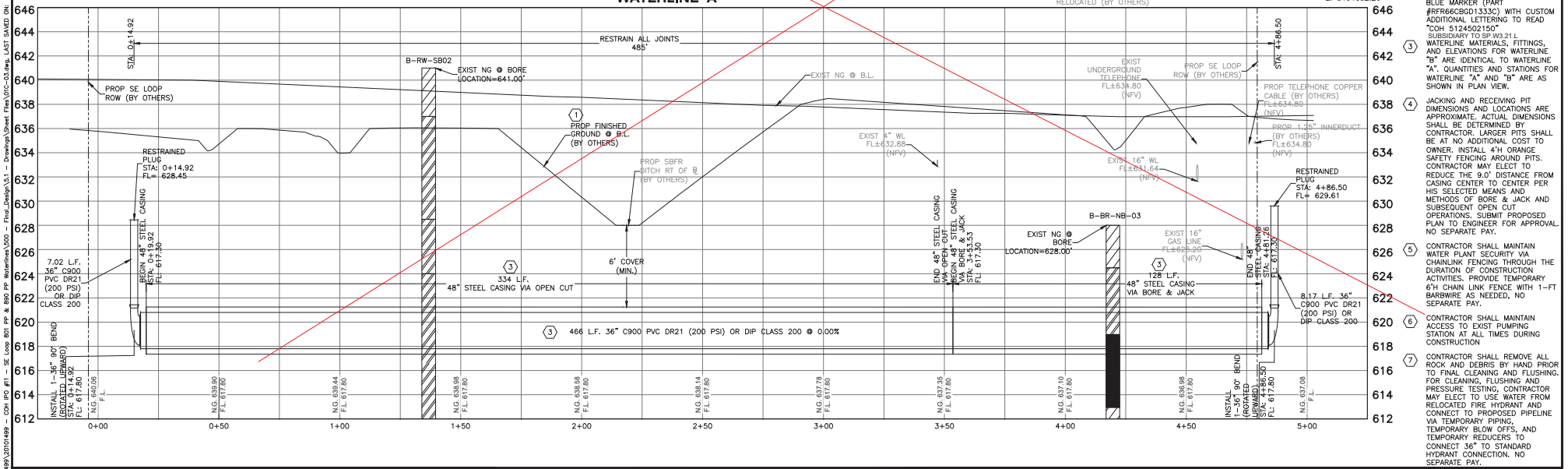
SCALE: 1" = 30'

DRAWING: 01C-02

FILENAME: Z:\Projects 1400-1499\20101488 - COH IPO #8 - FY 2022 On Demand Engineering\200 - Planning_Study\225 - Prelim Design 801 PP & 890 PP Waterline with Casing Pipes\2.1 - Drawings\Sheet Files\01C-02.dwg, LAST SAVED ON: Jul 09 2022 12:30pm, PLOTTED BY: PGALINDO, ON: Jul 11 2022 8:49am, CFG:



WATERLINE "A"



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AUSTIN, TX 78746
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CITY OF HUTTO

SE LOOP 801 PP AND 890 PP WATERLINES

STATE OF TEXAS JORDAN T. HURTA 143332 LICENSED PROFESSIONAL ENGINEER 7/11/2022

801PP AND 890PP WATERLINES

801 PP AND 890 PP WATERLINES PLAN & PROFILE - STA 0+00 TO 4+78

DATE: JULY 2022

SCALE: HORIZ: 1"=20' VERT: 1"=4'

DRAWING: 01C-03

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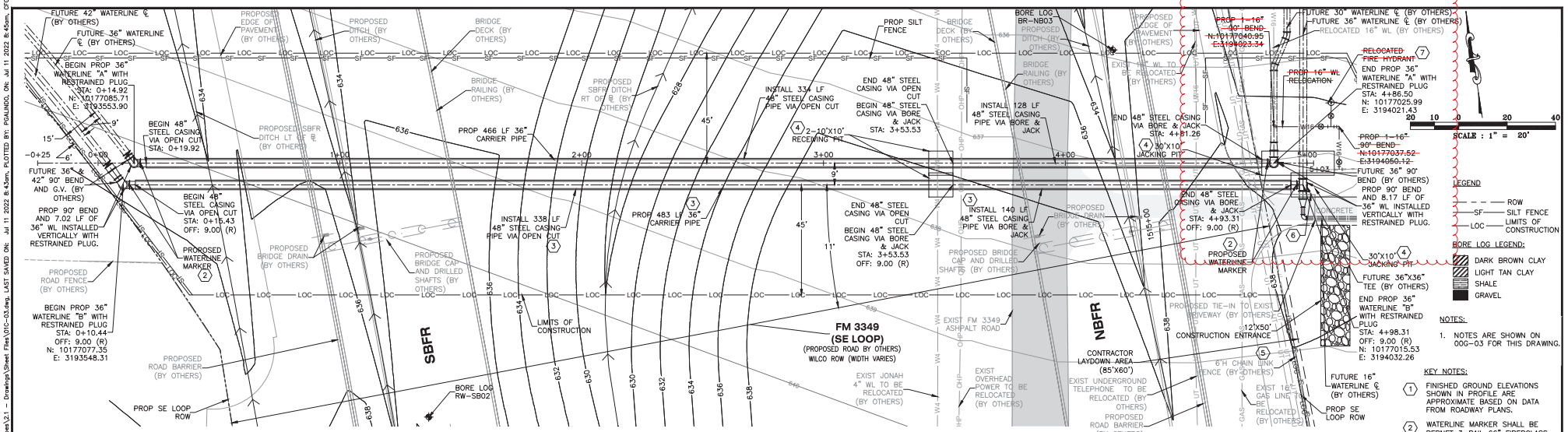
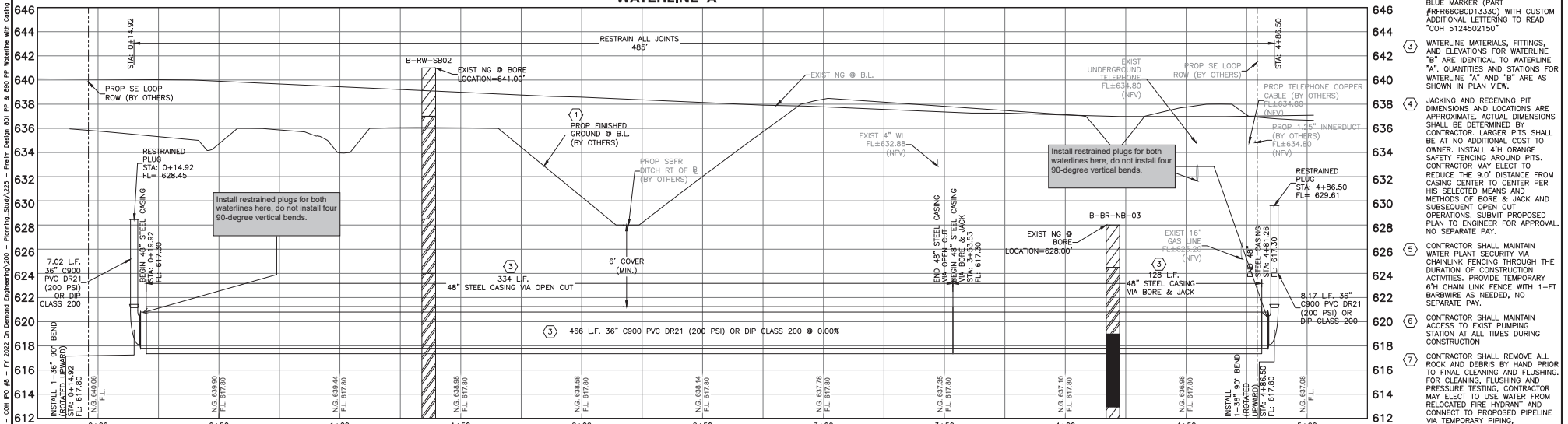


WATERLINE "A"



KEY NOTES:

1. FINISHED GROUND ELEVATIONS SHOWN IN PROFILE ARE APPROXIMATE BASED ON DATA FROM ROADWAY PLANS.
2. WATERLINE MARKER SHALL BE REPNET 3-RAIL 66" FIBERGLASS BLUE MARKER (PART #RFR66CBGD1333C) WITH CUSTOM ADDITIONAL LETTERING TO READ "COH 5124502150"
3. WATERLINE MATERIALS, FITTINGS, AND ELEVATIONS FOR WATERLINE "B" ARE IDENTICAL TO WATERLINE "A". QUANTITIES AND STATIONS FOR WATERLINE "A" AND "B" ARE AS SHOWN IN PLAN VIEW.
4. JACKING AND RECEIVING PIT DIMENSIONS AND LOCATIONS ARE APPROXIMATE. ACTUAL DIMENSIONS SHALL BE DETERMINED BY CONTRACTOR. LARGER PITS SHALL BE AT NO ADDITIONAL COST TO OWNER. INSTALL 4'H ORANGE SAFETY FENCING AROUND PITS. CONTRACTOR MAY ELECT TO REDUCE THE 9.0' DISTANCE FROM CASING CENTER TO CENTER PER HIS SELECTED MEANS AND METHODS OF BORE & JACK AND SUBSEQUENT OPEN CUT OPERATIONS. SUBMIT PROPOSED PLAN TO ENGINEER FOR APPROVAL. NO SEPARATE PAY.
5. CONTRACTOR SHALL MAINTAIN WATER PLANT SECURITY VIA CHAINLINK FENCING THROUGH THE DURATION OF CONSTRUCTION ACTIVITIES. PROVIDE TEMPORARY 6'H CHAIN LINK FENCE WITH 1-FT BARBWIRE AS NEEDED, NO SEPARATE PAY.
6. CONTRACTOR SHALL MAINTAIN ACCESS TO EXIST PUMPING STATION AT ALL TIMES DURING CONSTRUCTION
7. CONTRACTOR SHALL REMOVE ALL ROCK AND DEBRIS BY HAND PRIOR TO FINAL CLEANING AND FLUSHING. FOR CLEANING, FLUSHING AND PRESSURE TESTING, CONTRACTOR MAY ELECT TO USE WATER FROM RELOCATED FIRE HYDRANT AND CONNECT TO PROPOSED PIPELINE VIA TEMPORARY PIPING, TEMPORARY BLOW OFFS, AND TEMPORARY REDUCERS TO CONNECT 36" TO STANDARD HYDRANT CONNECTION. NO SEPARATE PAY.

REV. NO.	DATE	DESCRIPTION

PROJECT MANAGER:	WWW
DESIGNED BY:	JPGR
CHECKED BY:	JTH
DRAWN BY:	JPGR
DCS PROJECT NO:	20101499

DCS ENGINEERING, LLC
1101 S. CAPITAL OF TEXAS HIGHWAY, BUILDING G-100
AUSTIN, TX 78746
TEL: (512) 614-6171
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CITY OF HUTTO

SE LOOP 801 PP AND 890 PP WATERLINES

STATE OF TEXAS — JORDAN T. HURTA — 143332 — LICENSED PROFESSIONAL ENGINEER — 7/11/2022

801PP AND 890PP WATERLINES

801 PP AND 890 PP WATERLINES PLAN & PROFILE - STA 0+00 TO 4+78

DATE: JULY 2022

SCALE: HORIZ: 1"=20' VERT: 1"=4'

DRAWING: 01C-03

FILENAME: Z:\Projects 1400-1499\20101488 – COH IPO #8 – FY 2022 On Demand Engineering\200 – Planning_Study\225 – Prelim Design 801 PP & 890 PP Waterline with Casing Pipes\2x1 – Drawings\Sheet Files\01C-03.dwg, LAST SAVED ON: Jul 11 2022 8:43am, PLOTTED BY: PGALINDO, ON: Jul 11 2022 8:45am, CFG: