

ADDENDUM NO. 005

Date: June 16, 2020

City of Austin

Project Name San Antonio Street Chilled Water Distribution Extension

C.I.P. No. 7173.063 IFB No.: CLMC804

This Addendum forms a part of the Contract and corrects or modifies original Bid Documents, dated May 18, 2020 (*first advertisement date*). **Acknowledge receipt of this addendum in space provided on bid form.** Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

1. TABLE OF CONTENTS

Delete line item "SS 09900 04/07/20 Coating for Carbon Steel Pipe and Fittings"

2. SECTION 00300U, UNIT PRICE BID FORM

Remove Section 00300U in its entirety and insert attached Section 00300U, in its place. (changes to the original text are identified by revisions bars in the page margins & underlined text).

3. SECTION SS 09900 COATING FOR CARBON STEEL PIPE AND FITTINGS

Remove Section 09900 in its entirety.

B. Drawing Revisions:

1. DRAWING MP10 MECHANICAL PIPING PLAN PROFILE STA 0+00 THRU 1+75.

Remove Drawing MP10 and replace with Drawing MP10 attached hereto.

2. DRAWING MP11 MECHANICAL PIPING PLAN PROFILE STA 1+75 THRU 3+00.

Remove Drawing MP11 and replace with Drawing MP11 attached hereto.

3. DRAWING MP12 MECHANICAL PIPING PLAN PROFILE STA 3+00 THRU END.

Remove Drawing MP12 and replace with Drawing MP12 attached hereto.

4. DRAWING MP40 MECHANICAL ENLARGED PLANS.

Remove Drawing MP40 and replace with Drawing MP40 attached hereto.

5. DRAWING MP41 MECHANICAL SECTIONS.

Remove Drawing MP41 and replace with Drawing MP41 attached hereto.

This addendum consists of 14 page(s)/sheet(s).

Richard Duane
Approved by OWNER

Gayle A Davis
Approved by ENGINEER/ARCHITECT (as applicable per license requirements)



Gayle A Davis 06/16/2020
Stanley Consultants, Inc
Texas Firm Registration No. F-174

END

Bidding Requirements, Contract Forms and Conditions of the Contract

UNIT PRICE BID FORM

Section 00300U

The undersigned, in compliance with the Invitation for Bids for construction of the following Project for the City of Austin, Texas:

Solicitation No.:	CLMC804
Project:	San Antonio Street Chilled Water Distribution Extension
CIP ID No.:	7173.063

Having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated.

Note: The Bidder will enter the line item subtotal in the "Amount" column below, which is the product of the estimated "Quantity" multiplied by the "Unit Price". Any mathematical errors will be corrected for the purpose of determining the correct Amount to be entered in the Bid Form. The Amounts, including any corrected Amounts, will then be totaled to determine the actual amount of the Bid.

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
101S-C	1	LS	PREPARING THE ROW	\$	\$
210S-A	10	CY	FLEXIBLE BASE	\$	\$
340S-B	157	SY	HOT MIX ASPHALTIC CONCRETE PAVEMENT, 3 INCHES, TYPE C	\$	\$
430S-B	95	LF	P.C. CONCRETE CURB AND GUTTER (FINE GRADING)	\$	\$
432SR-6	90	SF	RECONSTRUCT CONCRETE SIDEWALKS TO 6" THICKNESS, INCLUDING REMOVAL OF EXISTING SIDEWALK	\$	\$
480S-RS	565	SF	RECONSTRUCT CONCRETE PAVER SIDEWALK, INCLUDING REMOVAL OF EXISTING SIDEWALK PAVERS	\$	\$
501S-44	75	LF	JACKING OR BORING 44 IN. PIPE, CLASS 150	\$	\$
501S-68	440	LF	JACKING OR BORING 68 IN. PIPE, CLASS 150	\$	\$
SP506S-MH	3	EA	COMMUNICATIONS MANHOLE, PER AUSTIN ENERGY STANDARD DETAIL R3 "COMMUNICATION VAULT"	\$	\$
509S-1	<u>320</u>	LF	TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS (ALL DEPTH)	\$	\$
SP-509S-2	<u>1265</u>	SF	SPECIAL SHORING	\$	\$
SP-510-CHW-12	75	LF	12" CHS AND CHR PIPES, TWO 4" CONDUITS INSTALLED IN PARALLEL PER PLANS AND SPECIFICATIONS	\$	\$

Bidding Requirements, Contract Forms and Conditions of the Contract

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SP-510-CHW-24	440	LF	24" CHS AND CHR PIPES, TWO 4" CONDUITS INSTALLED IN PARALLEL PER PLANS AND SPECIFICATIONS	\$	\$
610S-E	5	EA	TREE TRUNK PROTECTION (WOOD PLANKING)	\$	\$
628S-B	578	LF	SEDIMENT CONTAINMENT DIKES WITH FILTER FABRIC	\$	\$
632S	100	CF	STORM INLET SEDIMENT TRAP	\$	\$
700S-TM	1	LS	TOTAL MOBILIZATION PAYMENT	\$	\$
802S-A C.I.P.	1	LS	C.I.P. PROJECT SIGNS	\$	\$
803S-MO	12	MO	BARRICADES, SIGNS AND TRAFFIC HANDLING	\$	\$
803S-SF	660	LF	SAFETY FENCE	\$	\$
860S-A	200	LF	PAVEMENT MARKINGS PAINT, 4 In.	\$	\$
SS 230190-VIDEO	1	LS	VIDEO INSPECTION OF NEWLY INSTALLED CHILLED WATER	\$	\$
SS 230517-SEAL12	2	EA	PIPE SEALS UP TO 12" PIPE SIZE	\$	\$
SS 230524-AIR	1	EA	AIR RELEASE ASSEMBLY PER AE STANDARD DETAIL R2	\$	\$
SS 230524-BFV-12	2	EA	12" BUTTERFLY VALVE	\$	\$
SS 230524-BFV-24	4	EA	24" BUTTERFLY VALVE	\$	\$
SS-232115-HT- 24 ON 24	2	EA	HOT TAP FOR 24" PIPES ONTO 24" PIPE, TO INCLUDE BOTH CHILLED WATER SUPPLY & RETURN PIPING	\$	\$
SS 232500-RCHEMa:	<u>29</u>	100 GAL	CLEANING AND FLUSHING FOR 12" PIPE AND LOWER	\$	\$
SS 232500-RCHEMc:	<u>212</u>	100 GAL	CLEANING AND FLUSHING FOR 22" PIPE AND HIGHER	\$	\$
SS 232500-RCHEM1	40	HR	PUMP WATCH	\$	\$
SS 232500-RCHEM2	<u>241</u>	GAL	CHEMISTRY FROM 0 TO 5,000 GALLONS OF TREATED WATER	\$	\$
SS 260533 INNER DUCT-A	<u>1100</u>	LF	INSTALLATION OF 3 SINGLE RACEWAY OWNER-PROVIDED INNER DUCTS WITHIN 4" NON-METALLIC/METALLIC CONDUIT.	\$	\$
SS 271300 FIBER OPTIC	<u>1100</u>	LF	FIBER OPTIC CABLE INSTALLED WITHIN INNER DUCT AND MANHOLES	\$	\$

Bidding Requirements, Contract Forms and Conditions of the Contract

BASE BID		\$
(Words)		(Figures)
Base Bid includes Trench Excavation Safety Systems & Special Shoring		

- The "Base Bid" amount must be used in the MBE/WBE Compliance Plan Summary Page to determine subcontractor participation levels for the established MBE/WBE procurement goals.
- The "Base Bid" amount becomes the Bidder's "TOTAL BID" if allowances and/or alternates are not included.

ALLOWANCES:

Allowance No. 1:	Unknown Underground Contamination	\$70,000
Allowance No. 2:	Unknown Underground Conflict	\$100,000
SUBTOTAL ALLOWANCES		\$170,000

BASE BID PLUS ALLOWANCES:		\$
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TOTAL BID	\$
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Includes Base Bid plus Subtotal Allowances (if accepted at Contract Execution)

In the event of a mathematical error, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder. The unit prices shown above will be the unit prices used to tabulate the Bid and used in the Contract, if awarded by the City.

Notes:

1. For information pertaining to Rolling Owner Controlled Insurance Program (ROCIP), see Sections 00810 and 00820.
2. For a more detailed explanation of Bid allowances, see Section 01020.
3. **MINIMUM WAGES:** Workers on Project shall be paid not less than wage rates, including fringe benefits, as published by the Department of Labor (DOL) for Building Construction and Heavy and Highway Trades "AS APPLICABLE" and/or the minimum Wage required by City of Austin Ordinance No. 20160324-015, whichever is higher. The Total Minimum Wage required can be met using any combination of cash and non-cash qualified fringe benefits provided the cash component meets or exceeds the minimum wage required.

Optional Information on Bid Prices Submitted by Computer Printout: In lieu of handwritten unit prices in figures in ink on the Bid forms above, Bidders, at their option, may submit an original computer printout sheet bearing certification by, and signature for, the Bidding firm. The unit prices shown on acceptable printouts will be the unit prices used to tabulate the Bid and used in the Contract if awarded by the City. As a minimum, computer printouts must contain all information and in the format shown on the attached page: "Example of Bid Prices Submitted by Computer Printout" form.

If a computer printout is used, the Bidder must still execute that portion of the unit price Bid form which acknowledges the Bid Guaranty, Time of Completion, Liquidated Damages, and all addenda that may have been issued.

Bidding Requirements, Contract Forms and Conditions of the Contract

Bids with unit prices by computer printout may be rejected, if:

1. The computer printout does not include the required certification, set forth in the attached "Example".
2. The computer printout is not signed in the name of the firm to whom the Project Manual was issued.
3. The computer printout is non-responsive or otherwise omits required Bid items or includes items not shown on the Bid forms in the Project Manual.
4. The other required Bid documents issued by the City are not fully executed as provided above.
5. The signed Section 00300U is not returned with the signed computer printout.

If the Bid submitted by the Bidder contains both the form furnished by the City, completed according to the instructions, and also a computer printout, completed according to the instructions, unit prices of only one will be considered. In this situation, the unit Bid prices shown on the computer printout will be used to determine the Bid.

BID GUARANTY: A Bid guaranty must be enclosed with this Bid, as required in Section 00020, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of ninety (90) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

- Bidder withdraws a submitted Bid within the period stated above;
- Bidder fails to submit the required post Bid information within the period specified in Section 00020 or 00100, or any mutually agreed extension of that period; or,
- Bidder fails to execute the Contract and furnish the prescribed documentation (bonds, insurance, etc.) needed to complete execution of the Contract within five (5) Working Days after notice of award, or any mutually agreed extension of that period.

ROCIP: The Bid includes all Automobile Liability and Builder's Risk Insurance premiums required to meet the insurance limits in the Supplemental General Conditions and includes all premiums for a Performance Bond and a Payment Bond in the sum of one hundred percent (100%) of the Contract Amount. The Bid excludes all costs for the insurance coverages and limits, up to the limits set forth in the Supplemental General Conditions, duplicated by those in the ROCIP, including the costs for all proposed Subcontractors for such coverages and limits as described in the Supplemental General Conditions.

The Bid also includes the cost to provide and maintain through completion of Work all necessary safety rails, barricades, platforms, fences, covers, and signs necessary to adequately protect and safeguard all vehicular and pedestrian traffic within proximity of the Work. The safety information identified in the Project Safety Manual, and in the Supplemental General Conditions, outlines the minimum safety requirements for the Project. CONTRACTOR shall not limit the amount of effort directed toward the CONTRACTOR's safety program based on the requirements identified in the Project Safety Manual. This program is in addition to CONTRACTOR's existing safety program, not in lieu of that program.

GEOTECHNICAL BASELINE ACKNOWLEDGEMENT: The undersigned Bidder certifies that the Bidder has read and understands the Geotechnical Baseline Report (GBR), the Geotechnical Data Report, the Reflection Survey Report, and all other geological and geotechnical information and data as provided in the Contract Documents, including all Addenda. **The Bidder acknowledges and agrees that the GBR represents the contractual statement of the subsurface conditions reasonably anticipated to be**

encountered during construction. The GBR will be used to evaluate whether subsurface conditions differ materially from those indicated in the GBR.

TIME OF COMPLETION: The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to substantially complete construction of the improvements, as required by the Project Manual, Drawings and Addenda for the Work within Three Hundred (300) Calendar Days.

If a Substantial Completion date has been specified, the Bidder further agrees to reach Final Completion within Thirty (30) Calendar Days after Substantial Completion as required by the Project Manual, Drawings and Addenda for the work.

The Bidder further agrees that should the Bidder fail to substantially complete the Work within the number of days indicated in the Bid or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law.

WAIVER OF ATTORNEY FEES: In submitting the Bid, in consideration for the waiver of the Bidder's right to attorney's fees by the OWNER, the Bidder knowingly and intentionally agrees to and shall waive the right to attorney's fees under Section 271.153 of the Texas Local Government Code in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to any Contract awarded pursuant to this solicitation process.

LIQUIDATED DAMAGES: The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder.

Therefore, the Bidder and the OWNER agree that for each and every Calendar Day the Work or any portion thereof, remains incomplete after the Substantial Completion date as established by the above paragraph, "Time of Completion", payment will be due to the Owner in the amount of One Thousand Five Hundred and Sixty dollars (\$1560) per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER.

If both Substantial and Final Completion dates have been specified, the Bidder and the OWNER further agree that for each and every Calendar Day the Work or any portion thereof, remains incomplete after the Final Completion date as established by the above paragraph, "Time of Completion", payment will be due to the OWNER in the amount of Nine Hundred and Forty dollars (\$940) per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER. Such amount shall be deducted by the OWNER from any Contract payment due.

In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

MINOR INFORMALITY: OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bids).

Bidding Requirements, Contract Forms and Conditions of the Contract

ADDENDUM: The undersigned acknowledges receipt of the following addenda:

Addendum No. 1 dated		Received	
Addendum No. 2 dated		Received	
Addendum No. 3 dated		Received	
Addendum No. 4 dated		Received	

BID DOCUMENT EXECUTION AND ACKNOWLEDGEMENT: The undersigned Bidder certifies that the Bidder has read and understands Section 00020 Invitation for Bids, Section 00100 Instructions to Bidders, and all other requirements applicable to the Bidding process provided in the Bid and Contract Documents.

BIDDER’S CERTIFICATION OF NON-COLLUSION, NON-CONFLICT OF INTEREST, AND ANTI-LOBBYING (Section 00440): The undersigned Bidder, by its signature, represents and certifies that it has read and can affirmatively swear and subscribe to the statements in Section 00440 Non-Collusion, Non-Conflict of Interest, and Anti-Lobbying Certification. If the Bidder cannot affirmatively swear and subscribe to any of the statements in Section 00440, Bidder represents and certifies that it has provided a detailed written explanation with its Bid on separate pages annexed hereto. The undersigned Bidder further certifies that it has not in any way directly or indirectly had communication restricted in the City Code Chapter 2-7, Article 6 (Anti-Lobbying and Procurement) during the No-Lobbying Period as defined in Chapter 2-7.

BIDDER’S CERTIFICATION AS TO NONRESIDENT PROVISIONS (Section 00475): The undersigned Bidder certifies that it has read Section 00475 Nonresident Bidder Provisions and **Bidder certifies that Bidder is a resident of _____** (*Bidder must write in the blank the state of which Bidder is a resident*).

Bidder will initial the blank set forth below to represent and certify that the Bidder has completed and enclosed the corresponding Bid Documents with the Bid.

_____ MBE/WBE Compliance Document

_____ One copy of Total Bid Form

Bidding Requirements, Contract Forms and Conditions of the Contract

The undersigned, by their signature, represents that they are submitting a binding offer and are authorized to bind the respondent to fully comply with the solicitation documents contained herein. The Respondent, by submitting and signing below, certifies that they have received and read all sections of the entire solicitation document including all revisions, addenda and documents incorporated by reference, and agree to be bound by the terms therein.

Corporate Secretary, *if Bidder is a Corporation

Bidder

Email for Secretary

Authorized Signature/Print Name

(Seal)

Title

Date

Address

Telephone Number / FAX Number

Email for Person Signing Bid

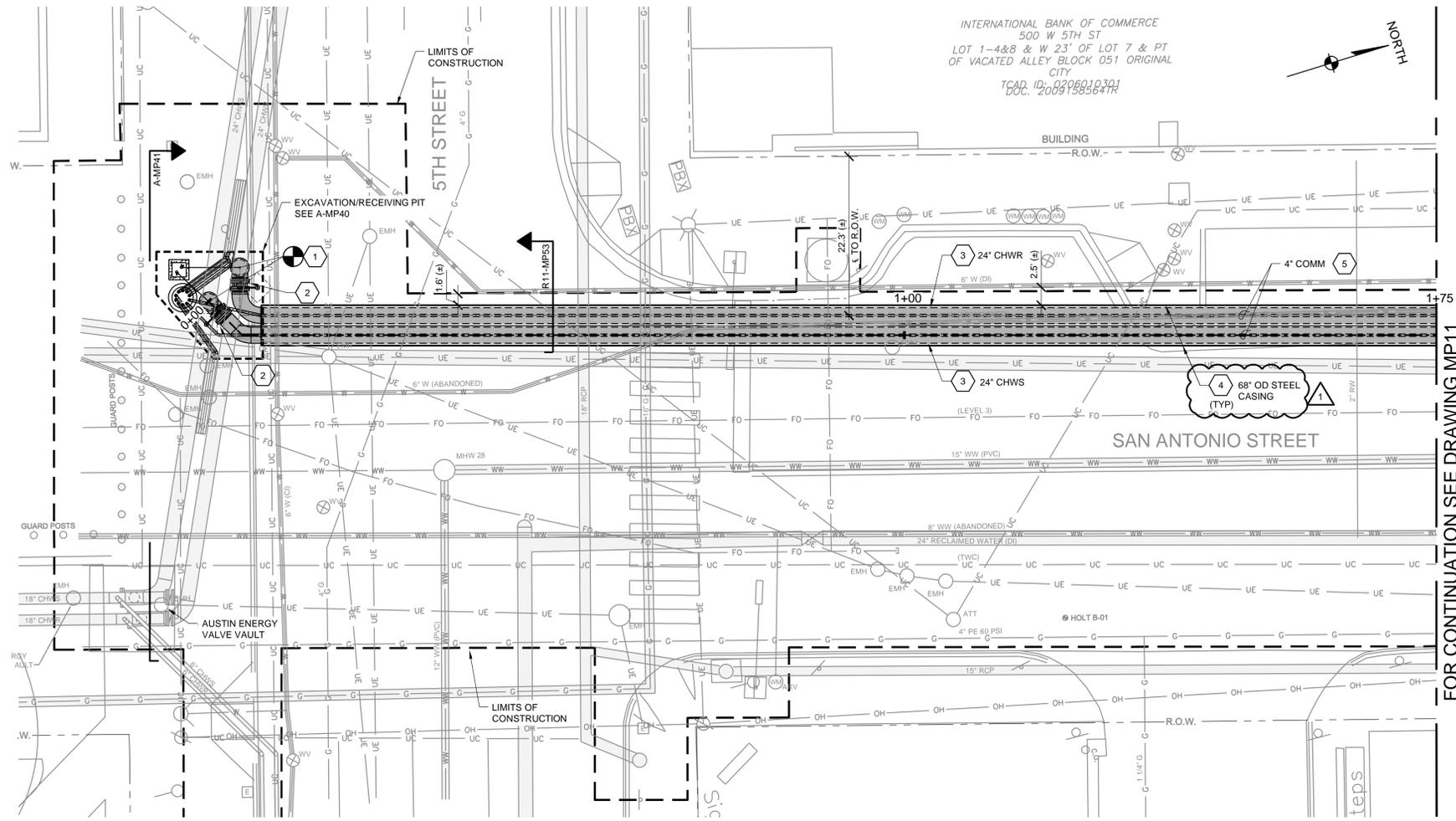
Email for Bidder's Primary Contact Person

Bidding Requirements, Contract Forms and Conditions of the Contract

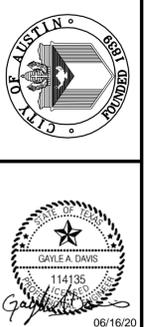
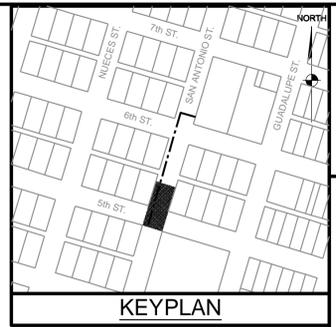
EXAMPLE: BID PRICES SUBMITTED BY COMPUTER PRINTOUT

Project Name:					
CIP ID #:					
IFB #:					
Bid Item #	Bid Item Description	Unit	Qty	Unit Bid Price	Total Amount
Total					
Proposal:					
<p>(YOUR FIRM'S NAME) certifies that the unit prices shown on this completed computer printout for all of the Bid items and the alternates contained in this proposal are the unit prices intended and that its Bid will be tabulated using these unit prices and no other information from this printout. (YOUR FIRM'S NAME) acknowledges and agrees that the total Bid amount shown will be read as its total Bid. In the event of a mathematical error, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder.</p>					
Signed: _____					
Title: _____		Date: _____			

END



FOR CONTINUATION SEE DRAWING MP11



NOTES:

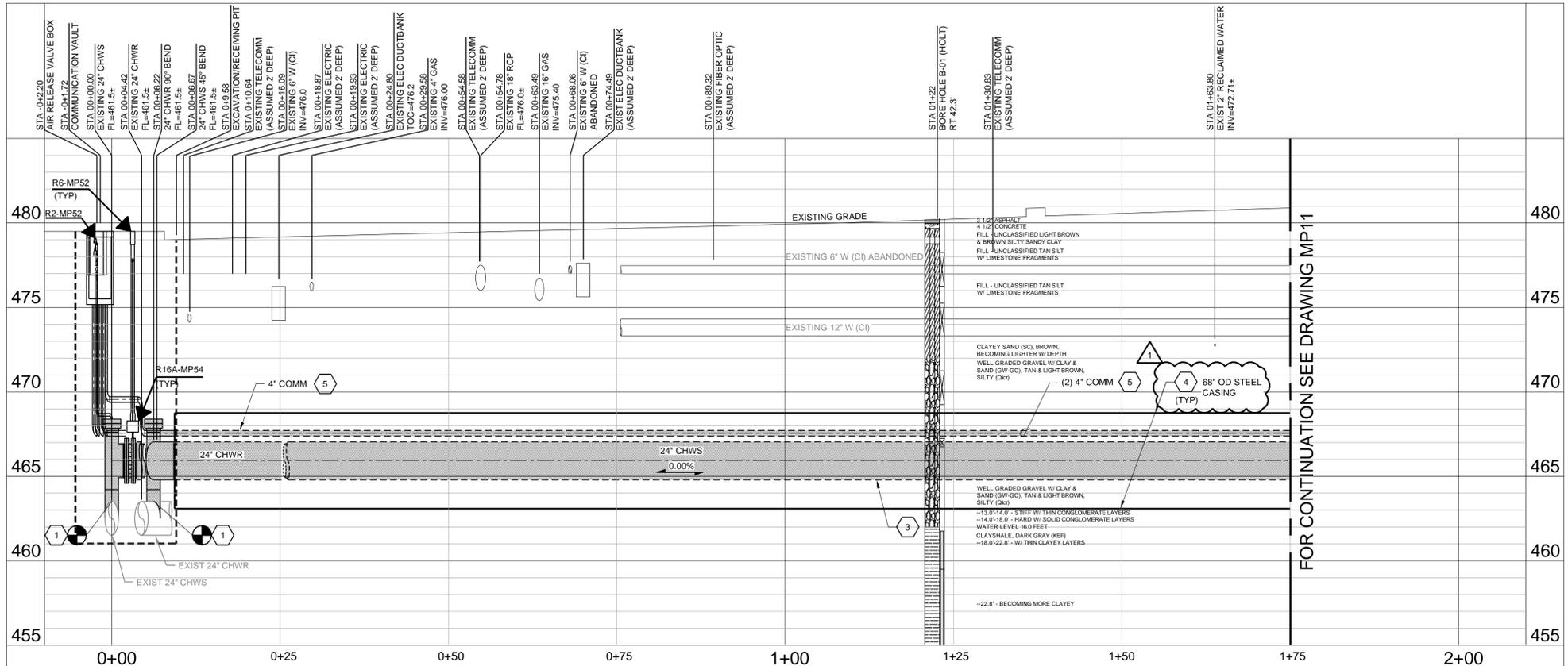
- SEE GG01 AND MG00 FOR GENERAL PROJECTS NOTES THAT APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN KEY NOTES.
- PERFORM ALL ROAD REPAIR WORK AS SHOWN ON THE CIVIL CP DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
- PERFORM ALL EROSION CONTROL, ENVIRONMENTAL AND TREE PROTECTION AS SHOWN ON CG DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
- LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. FIELD VERIFY THE EXACT LOCATION AND ELEVATIONS BEFORE BEGINNING ANY WORK INCLUDING BUT NOT LIMITED TO: ALL EXISTING UTILITIES WITHIN EXCAVATION AREAS, EXISTING CHILLED WATER PIPE ELEVATIONS, AND BUILDING HEAT EXCHANGER CONNECTION ELEVATIONS. COORDINATE HEAT EXCHANGER ELEVATIONS AND BUILDING WALL PENETRATION LOCATIONS WITH BUILDING CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR.
- FIELD COORDINATE VALVE STEM RISER LOCATIONS TO AVOID INTERFERENCES WITH COMM CONDUITS, & OTHER OBSTRUCTIONS.

KEYNOTES:

- REMOVE OUTER JACKET AND PIPE INSULATION. HOT TAP CHILLED WATER SUPPLY AND RETURN PIPE PER TYPICAL DETAIL A-MP50. PROVIDE AND REPAIR PIPE INSULATION AND COATING PER AUSTIN ENERGY SPECIFICATIONS. REFER TO AUSTIN ENERGY SS 232115.
- PROVIDE 24-INCH BUTTERFLY VALVES PER AUSTIN ENERGY SS 230524. PROVIDE VALVE OPERATORS IN THE HORIZONTAL POSITION. PROVIDE VALVE BOX PER DETAILS R5 AND R6 ON MP52.
- PROVIDE 24-INCH PRE-INSULATED CHILLED WATER PIPING PER AUSTIN ENERGY SS 232114. SEE AUSTIN ENERGY DETAIL R11 ON MP53 FOR STANDARD CASING REQUIREMENTS.
- JACK & BORE CASING BOUNDARY PER AUSTIN ENERGY STANDARD DETAIL R11 ON MP53.
- PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS FROM THE EXISTING PLAZA LOFTS AE MECH ROOM COMM PANEL TO THE NEW AUSTIN ENERGY MECHANICAL ROOM COMM PANEL AT 600 GUADALUPE. INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE FROM THE EXISTING PLAZA LOFTS AE MECH ROOM COMM PANEL TO THE NEW AUSTIN ENERGY MECHANICAL ROOM COMM PANEL AT 600 GUADALUPE. SEE DETAIL R4 ON MP52.

GENERAL PERMIT OFFICE
MECHANICAL
PIPING PLAN PROFILE
STA 0+00 THRU 1+75

GENERAL PERMIT PROGRAM

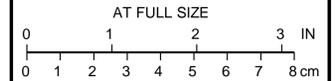


FOR CONTINUATION SEE DRAWING MP11



AUSTIN ENERGY
SAN ANTONIO STREET CHILLED WATER
DISTRIBUTION EXTENSION

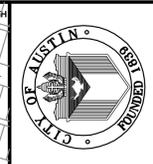
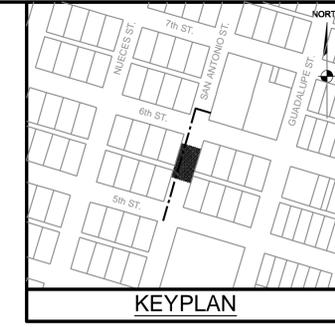
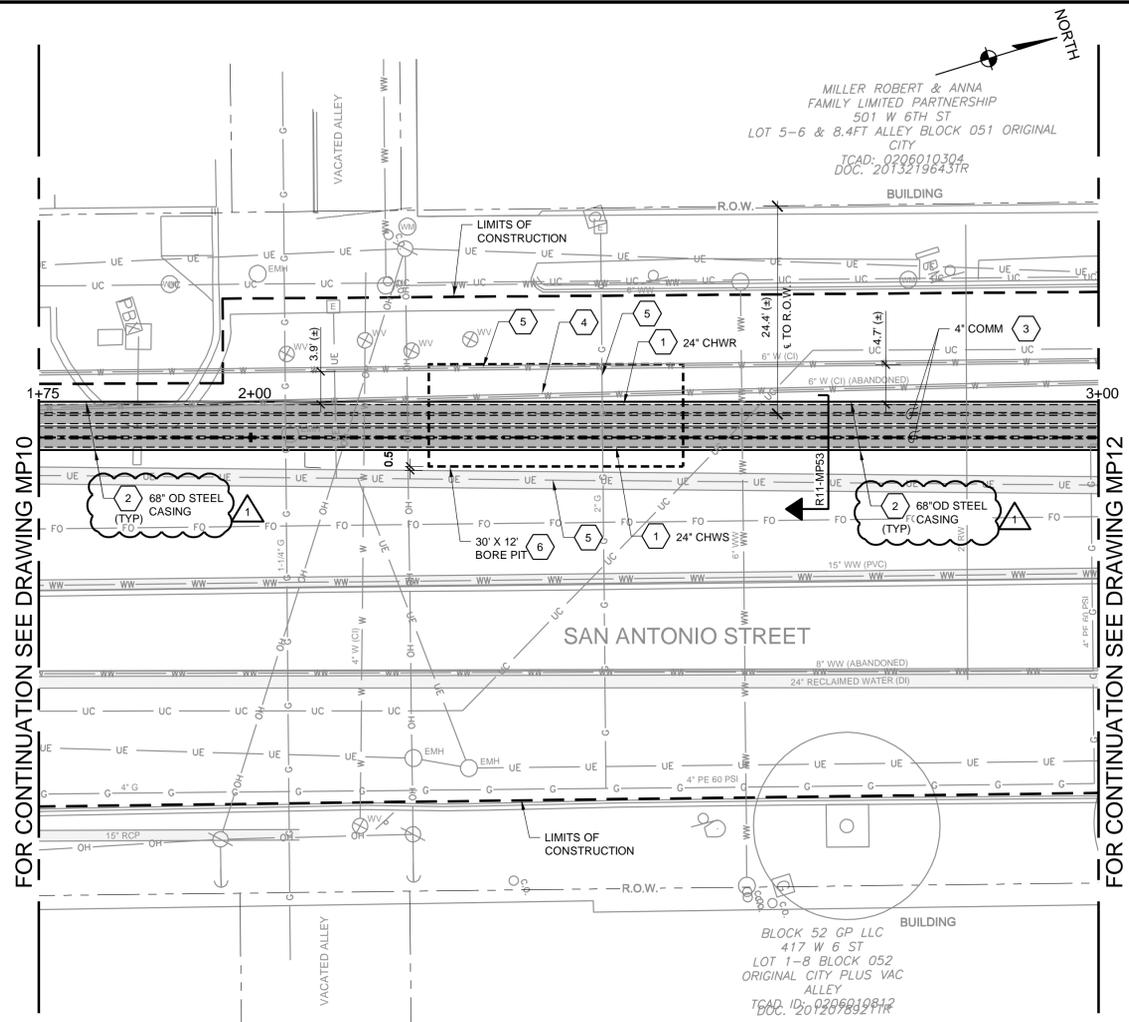
6836 Austin Center Blvd, Suite 350, Austin, Texas 78731
www.stanleyconsultants.com
Texas Firm Registration No.: F-174



REVISIONS		DATE	
NO.	REMARKS	APPROVED	DATE
0	100% DESIGN SUBMITTAL	GD	04/29/20
1	ADDENDUM 005	GD	06/16/20

DESIGNED	G. DAVIS	DATE	APRIL 29, 2020
DRAWN	J. ROGERS		
CHECKED	N. GRIFFIN		
APPROVED	G. DAVIS		
APPROVED			

SC1 PROJECT NO.	26560.05.00
SHEET NO.	MP10
REV.	1



- NOTES:**
- SEE GG01 AND MG00 FOR GENERAL PROJECTS NOTES THAT APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN KEY NOTES.
 - PERFORM ALL ROAD REPAIR WORK AS SHOWN ON THE CIVIL CP DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - PERFORM ALL EROSION CONTROL, ENVIRONMENTAL AND TREE PROTECTION AS SHOWN ON CG DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. FIELD VERIFY THE EXACT LOCATION AND ELEVATIONS BEFORE BEGINNING ANY WORK INCLUDING BUT NOT LIMITED TO: ALL EXISTING UTILITIES WITHIN EXCAVATION AREAS, EXISTING CHILLED WATER PIPE ELEVATIONS, AND BUILDING HEAT EXCHANGER CONNECTION ELEVATIONS. COORDINATE HEAT EXCHANGER ELEVATIONS AND BUILDING WALL PENETRATION LOCATIONS WITH BUILDING CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR.

- KEYNOTES:**
- PROVIDE 24-INCH PRE-INSULATED CHILLED WATER PIPING PER AUSTIN ENERGY SS 232114. SEE AUSTIN ENERGY DETAIL R11 ON MP53 FOR STANDARD CASING REQUIREMENTS.
 - JACK & BORE CASING BOUNDARY PER AUSTIN ENERGY STANDARD DETAIL R11 ON MP53.
 - PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS AND INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE. SEE DETAIL R4 ON MP52.
 - REMOVE 6" W (C) ABANDONED PIPE AS NEEDED AND CAP FOR INSTALLATION OF NEW CHILLED WATER PIPES.
 - PROVIDE TEMPORARY SUPPORT FOR EXISTING TO REMAIN UTILITIES. REPAIR PIPE BEDDING PER CITY OF AUSTIN STANDARD DETAILS ON CP50.
 - BACKFILL EXCAVATION PIT USING THE METHODS SHOWN IN R1 ON MP52.

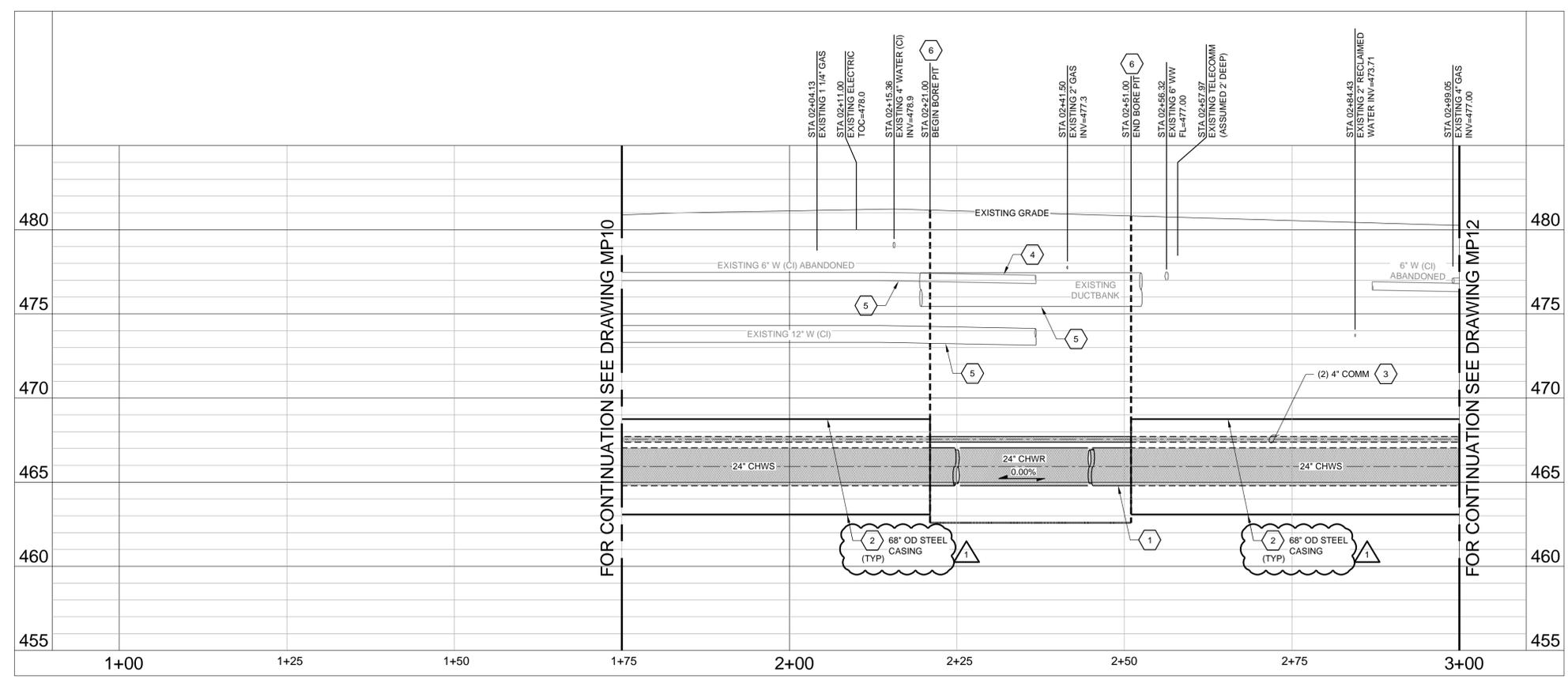
GENERAL PERMIT OFFICE
MECHANICAL
 PIPING PLAN PROFILE
 STA 1+75 THRU 3+00

GENERAL PERMIT PROGRAM

REVISIONS		NO.	DATE	APPROVED	DESIGNED	DRAWN	CHECKED	APPROVED
0	100% DESIGN SUBMITTAL	GD	04/29/20	GD	J. ROEBERS	N. GRIFFIN	G. DAVIS	
1	ADDENDUM 005	GD	06/16/20	GD				

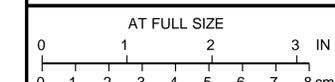
SC1 PROJECT NO.	26560.05.00
DESIGNED	G. DAVIS
DRAWN	J. ROEBERS
CHECKED	N. GRIFFIN
APPROVED	G. DAVIS
DATE	APRIL 29, 2020

SCALE: 1" = 10' HORIZ
 1" = 4' VERT

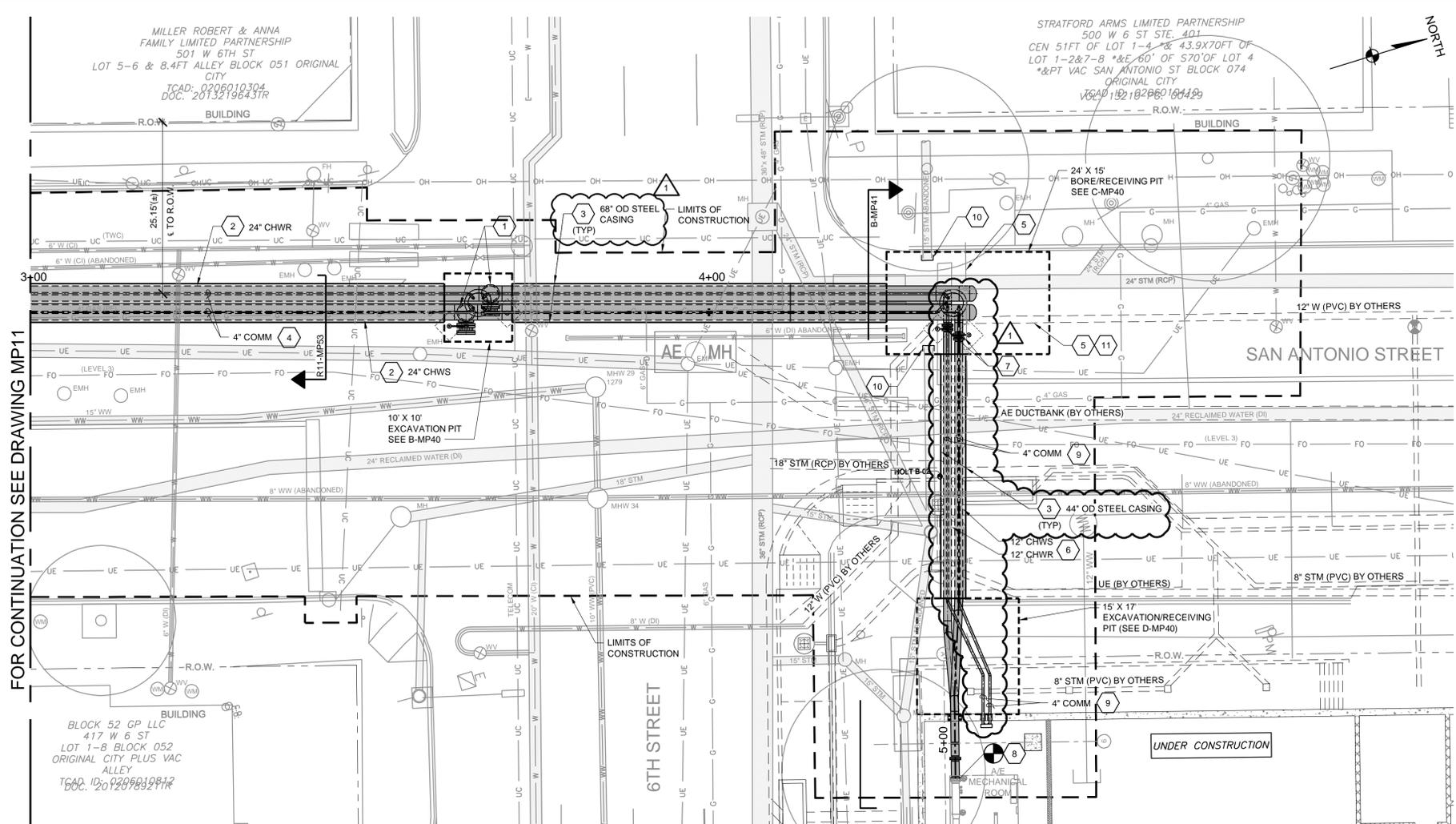


AUSTIN ENERGY
 SAN ANTONIO STREET CHILLED WATER
 DISTRIBUTION EXTENSION

6836 Austin Center Blvd, Suite 350, Austin, Texas 78731
 www.stanleyconsultants.com
 Texas Firm Registration No.: F-174

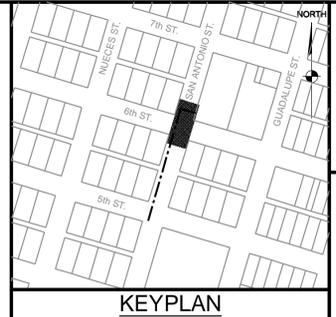
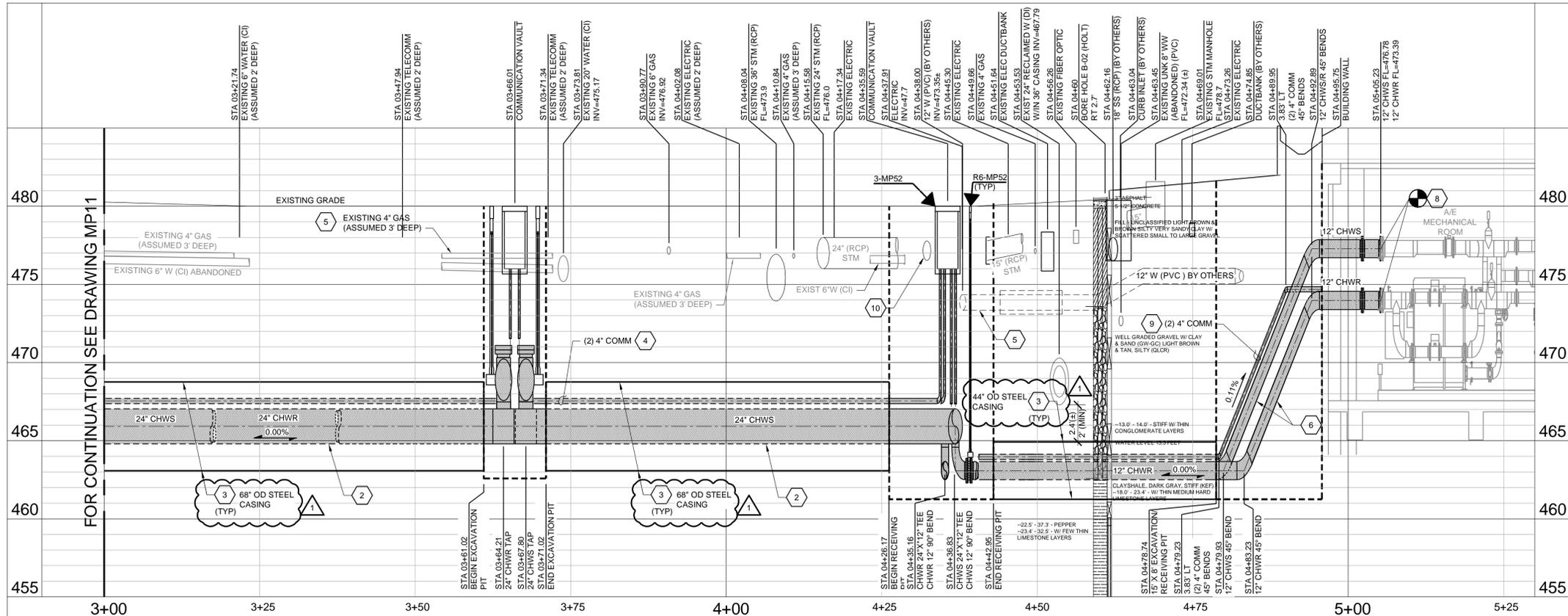


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FOR CONTINUATION SEE DRAWING MP11

FOR CONTINUATION SEE DRAWING MP11



- NOTES:**
- SEE GG01 AND MG00 FOR GENERAL PROJECTS NOTES THAT APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN KEY NOTES.
 - PERFORM ALL ROAD REPAIR WORK AS SHOWN ON THE CIVIL CP DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - PERFORM ALL EROSION CONTROL, ENVIRONMENTAL AND TREE PROTECTION AS SHOWN ON CG DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - COORDINATE CHILLED WATER LATERAL WORK WITH BUILDING CONTRACTOR.
 - LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. FIELD VERIFY THE EXACT LOCATION AND ELEVATIONS BEFORE BEGINNING ANY WORK INCLUDING BUT NOT LIMITED TO: ALL EXISTING UTILITIES WITHIN EXCAVATION AREAS, EXISTING CHILLED WATER PIPE ELEVATIONS, AND BUILDING HEAT EXCHANGER CONNECTION ELEVATIONS. COORDINATE HEAT EXCHANGER ELEVATIONS AND BUILDING WALL PENETRATION LOCATIONS WITH BUILDING CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR.
 - FIELD COORDINATE VALVE STEM RISER LOCATIONS TO AVOID INTERFERENCES WITH COMM CONDUITS, & OTHER OBSTRUCTIONS.

- KEYNOTES:**
- REMOVE OUTER JACKET AND PIPE INSULATION. HOT TAP CHILLED WATER SUPPLY AND RETURN PIPE PER TYPICAL DETAIL A-MP50. PROVIDE AND REPAIR PIPE INSULATION AND COATING PER AUSTIN ENERGY SPECIFICATIONS. REFER TO AUSTIN ENERGY SS 232115. PROVIDE 24-INCH BUTTERFLY VALVES PER AUSTIN ENERGY SS 230524. PROVIDE VALVE OPERATORS IN THE HORIZONTAL POSITION. PROVIDE VALVE BOX PER DETAILS R5 AND R6 ON MP52.
 - PROVIDE 24-INCH PRE-INSULATED CHILLED WATER PIPING PER AUSTIN ENERGY SS 232114. SEE AUSTIN ENERGY DETAIL R11 ON MP53 FOR STANDARD CASING REQUIREMENTS.
 - JACK & BORE CASING BOUNDARY PER AUSTIN ENERGY STANDARD DETAIL R11 ON MP53.
 - PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS AND INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE. SEE DETAIL R4 ON MP52.
 - PROVIDE TEMPORARY SUPPORT FOR EXISTING TO REMAIN UTILITIES. REPAIR PIPE BEDDING PER CITY OF AUSTIN STANDARD DETAILS ON CP50.
 - PROVIDE 12-INCH PRE-INSULATED CHILLED WATER PIPING PER AUSTIN ENERGY SS 232114. SEE AUSTIN ENERGY DETAIL R11 ON MP53 FOR STANDARD JACK & BORE REQUIREMENTS.
 - PROVIDE 12-INCH BUTTERFLY VALVES PER AUSTIN ENERGY SS 230524. PROVIDE VALVE OPERATORS IN THE HORIZONTAL POSITION. PROVIDE VALVE BOX PER DETAILS R5 AND R6 ON MP52.
 - CONNECT 12-INCH PRE-INSULATED CHILLED WATER PIPES TO DESIGNATED ISOLATION VALVES. PROVIDE BOLTING HARDWARE AND GASKET SETS PER AUSTIN ENERGY SS 232114. PROVIDE INSULATION AND JACKET PER AUSTIN ENERGY SS 230719.
 - PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. ROUTE CONDUIT THROUGH 6" CORED WALL AND TERMINATE WITH SQUARE CUT END INTO THE FIBER PANEL. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS AND INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE. SEE DETAIL R1A ON MP52.
 - REMOVE 15" STM (RCP) AS NEEDED AND CAP FOR INSTALLATION OF NEW CHILLED WATER PIPES.
 - COORDINATE CHILLED WATER INSTALLATION WITH BUILDING CONTRACTOR INSTALLING THE 12" WATER PVC PIPE.



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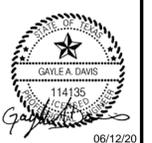
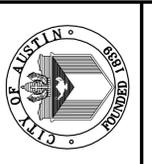
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NO.	REVISIONS	DATE
0	100% DESIGN SUBMITTAL	04/29/20
1	ADDENDUM 005	06/12/20

DESIGNED	G. DAVIS
DRAWN	J. ROGERS
CHECKED	N. GRIFFIN
APPROVED	G. DAVIS
DATE	APRIL 29, 2020

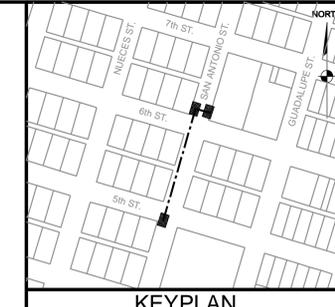
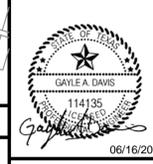
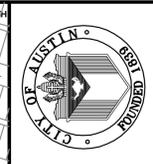
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1" = 4' VERT

SHEET NO. **MP12** REV. **1**



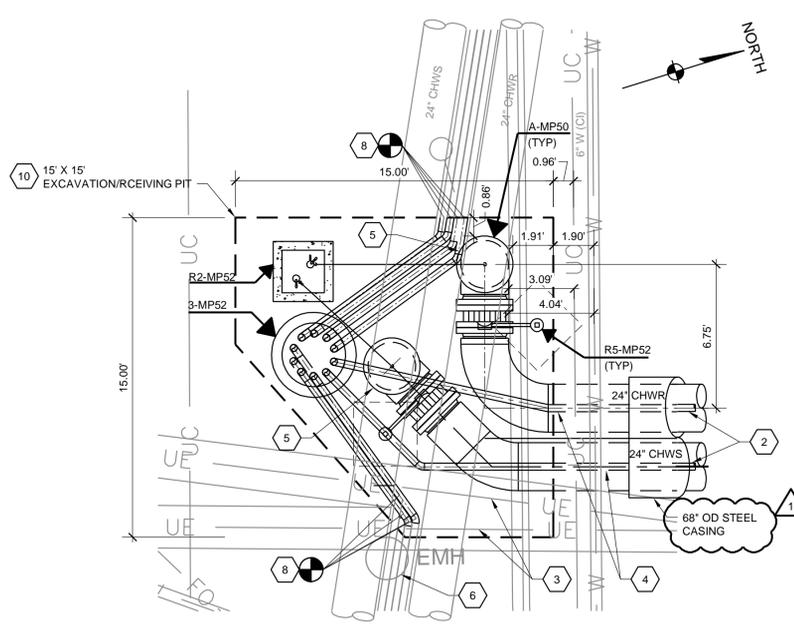
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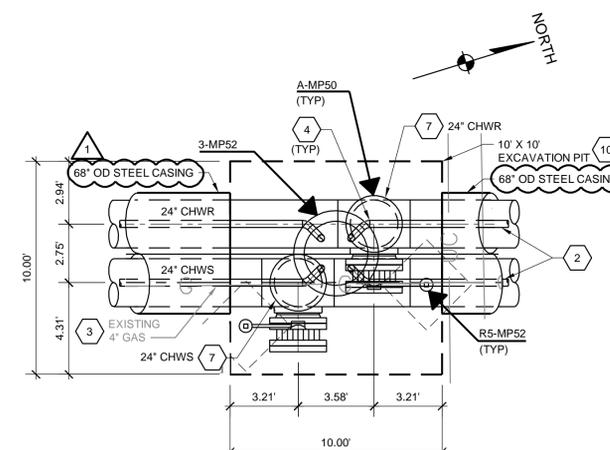


- NOTES:**
- SEE GG01 AND MG00 FOR GENERAL PROJECTS NOTES THAT APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN KEY NOTES.
 - COORDINATE CHILLED WATER LATERAL WORK WITH BUILDING CONTRACTOR.
 - PERFORM ALL ROAD REPAIR WORK AS SHOWN ON THE CIVIL CP DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - PERFORM ALL EROSION CONTROL, ENVIRONMENTAL AND TREE PROTECTION AS SHOWN ON CG DRAWINGS AND CITY OF AUSTIN STANDARD DETAILS.
 - LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. FIELD VERIFY THE EXACT LOCATION AND ELEVATIONS BEFORE BEGINNING ANY WORK INCLUDING BUT NOT LIMITED TO: ALL EXISTING UTILITIES WITHIN EXCAVATION AREAS, EXISTING CHILLED WATER PIPE ELEVATIONS, AND BUILDING HEAT EXCHANGER CONNECTION ELEVATIONS. COORDINATE HEAT EXCHANGER ELEVATIONS AND BUILDING WALL PENETRATION LOCATIONS WITH BUILDING CONTRACTOR PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT OCCUR.
 - FIELD COORDINATE VALVE STEM RISER LOCATIONS TO AVOID INTERFERENCES WITH COMM CONDUITS, & OTHER OBSTRUCTIONS.

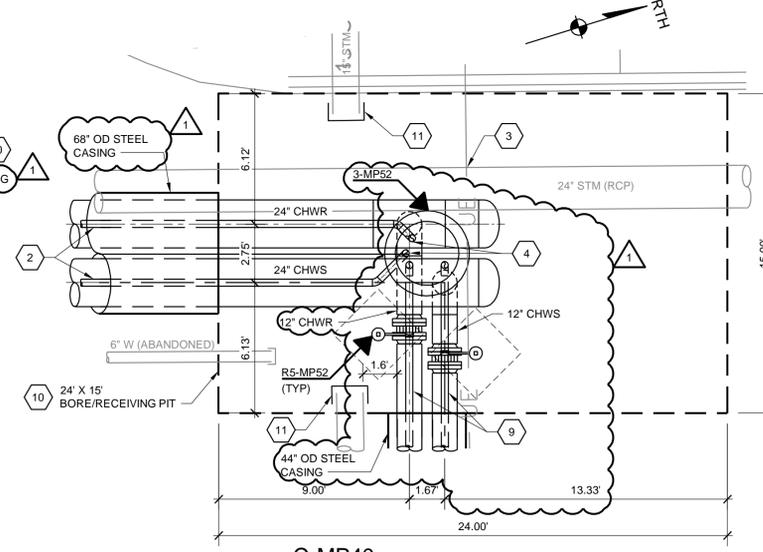
- KEYNOTES:**
- CONNECT 12-INCH PRE-INSULATED CHILLED WATER PIPES TO DESIGNATED ISOLATION VALVES. PROVIDE BOLTING HARDWARE AND GASKET SETS PER AUSTIN ENERGY SS 232114. PROVIDE INSULATION AND JACKET PER AUSTIN ENERGY SS 230719.
 - PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS AND INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE. SEE DETAIL R4 ON MP52.
 - PROVIDE TEMPORARY SUPPORT FOR EXISTING TO REMAIN UTILITIES. REPAIR PIPE BEDDING PER CITY OF AUSTIN STANDARD DETAILS ON CP50.
 - ROLL 90 DEGREE ELBOW TO REQUIRED ELEVATION ALIGNMENT PER DETAIL R11-MP53.
 - REMOVE OUTER JACKET AND PIPE INSULATION. HOT TAP CHILLED WATER SUPPLY AND RETURN PIPE PER TYPICAL DETAIL A-MP50. PROVIDE AND REPAIR PIPE INSULATION AND COATING PER AUSTIN ENERGY SPECIFICATIONS. REFER TO AUSTIN ENERGY SS 232115.
 - PROTECT EXISTING MANHOLES (TYP)
 - REMOVE OUTER JACKET AND PIPE INSULATION. HOT TAP CHILLED WATER SUPPLY AND RETURN PIPE PER TYPICAL DETAIL A-MP50. PROVIDE AND REPAIR PIPE INSULATION AND COATING PER AUSTIN ENERGY SPECIFICATIONS. REFER TO AUSTIN ENERGY SS 232115.
 - REMOVE EXISTING 4" COMM CONDUIT AND PROVIDE NEW 4" COMM CONDUIT. ROUTE CONDUIT TO NEW COMM VAULT. COORDINATE WORK WITH AUSTIN ENERGY PRIOR TO BEGINNING ANY COMM WORK IN THIS LOCATION. DISCONNECT EXISTING FIBER CABLE FROM EXISTING PLAZA LOFTS AE MECH ROOM COMM PANEL. ROUTE EXISTING FIBER CABLE THRU NEW COMM VAULT TO EXISTING PLAZA LOFTS AE MECH ROOM COMM PANEL.
 - PROVIDE 4" COMMUNICATION CONDUIT PER AUSTIN ENERGY SS 260533. ROUTE CONDUIT THROUGH 6" CORED WALL AND TERMINATE WITH SQUARE CUT END INTO THE FIBER PANEL. INSTALL AUSTIN ENERGY FURNISHED INNERDUCTS AND INSTALL AUSTIN ENERGY FURNISHED FIBER CABLE. SEE DETAIL R4 ON MP52.
 - BACKFILL EXCAVATION PIT USING THE METHODS SHOWN IN R1 ON MP52.
 - REMOVE 15" STM (ABANDONED) PIPE AS NEEDED AND CAP FOR INSTALLATION OF NEW CHILLED WATER PIPES.



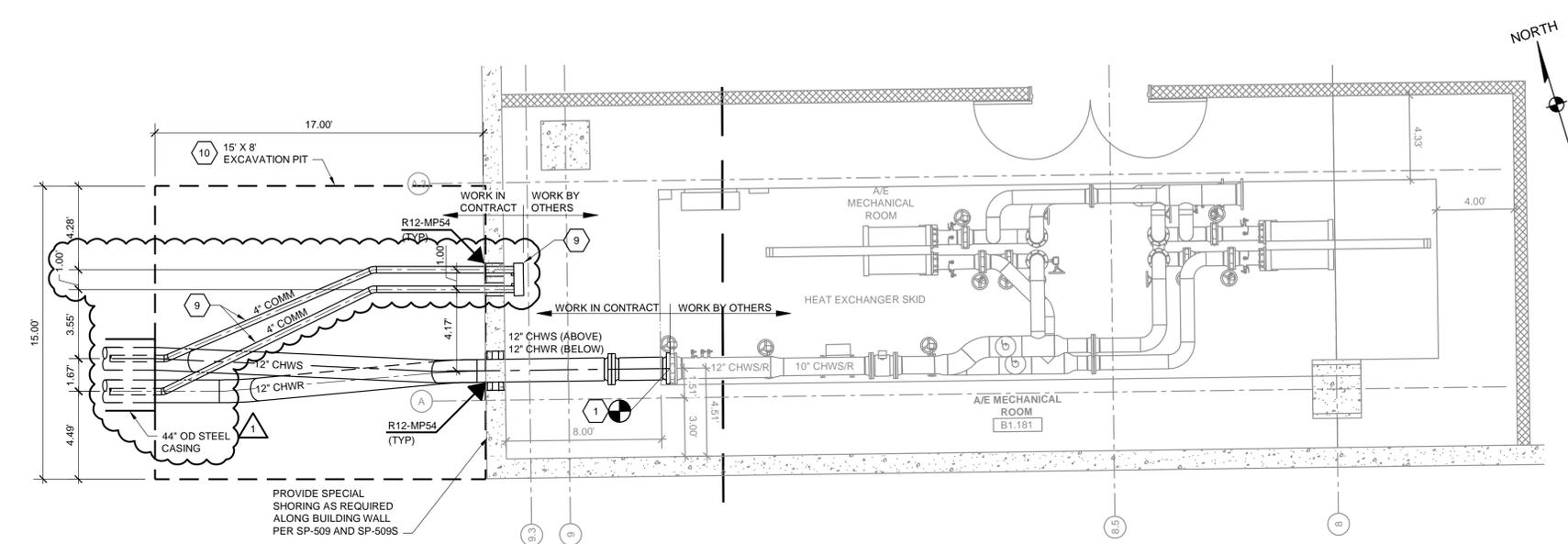
PLAN **A-MP40** EXCAVATION/RECEIVING PIT
GA10
MP10
SCALE: 1/4" = 1'-0"



PLAN **B-MP40** EXCAVATION PIT
GA10
MP12
SCALE: 1/4" = 1'-0"



PLAN **C-MP40** BORE/RECEIVING PIT
GA10
MP12
SCALE: 1/4" = 1'-0"



PLAN **D-MP40** EXCAVATION/RECEIVING PIT
GA10
MP12
SCALE: 1/4" = 1'-0"

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NO.	REVISIONS	DATE
0	100% DESIGN SUBMITTAL	04/29/20
1	ADDENDUM 005	06/16/20

NO.	REVISIONS	DATE
0	100% DESIGN SUBMITTAL	04/29/20
1	ADDENDUM 005	06/16/20



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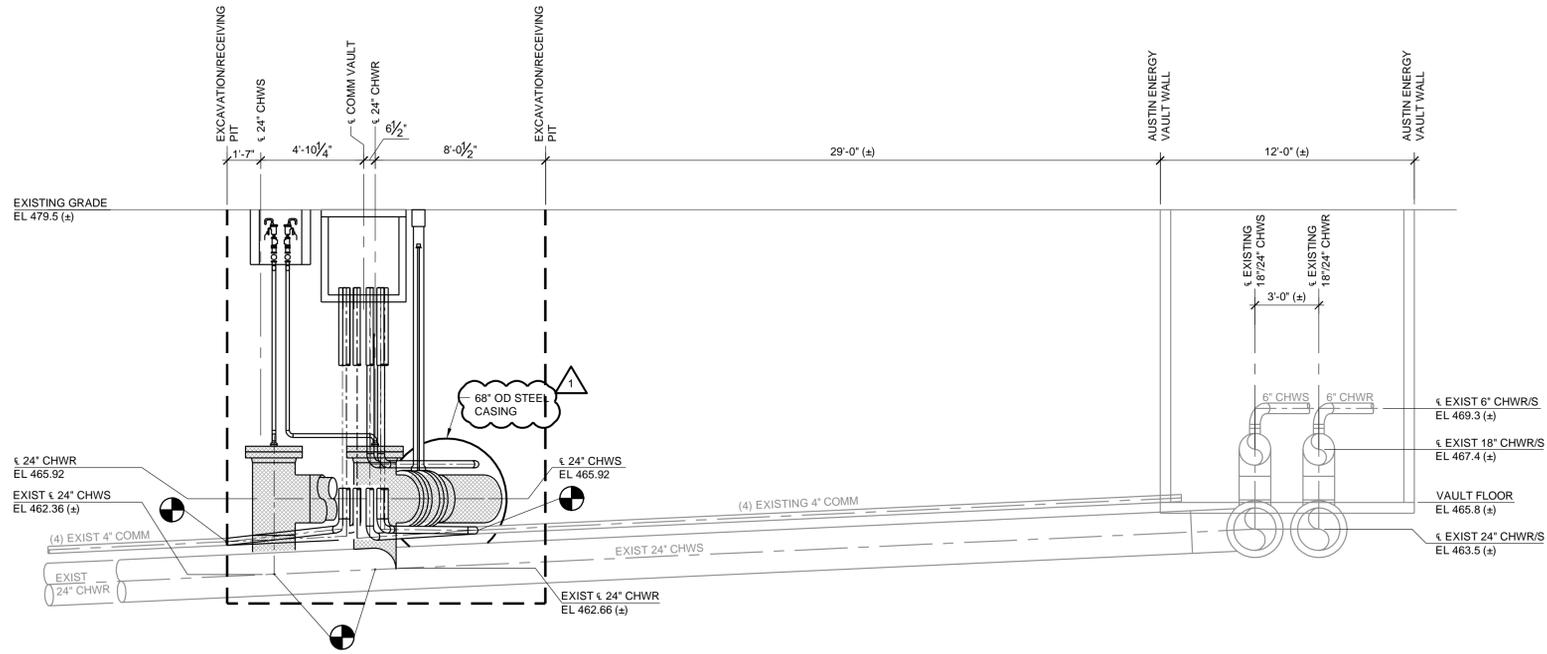
DESIGNED	DRAWN	CHECKED	APPROVED	DATE
G. DAVIS	J. ROGERS	N. GRIFFIN	G. DAVIS	APRIL 29, 2020

SCALE: AS NOTED	SHEET NO.	REV.
MP40	1	

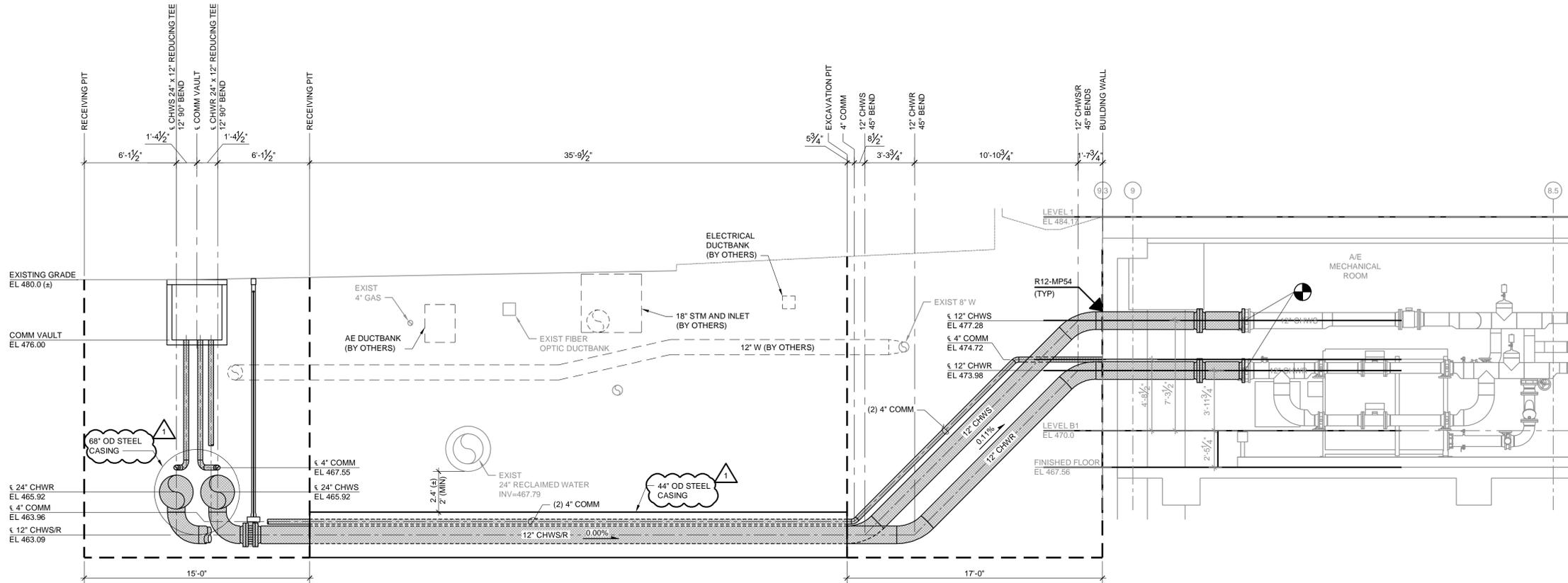
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FILE INFO: C:\projects\data\source-1\common\0758176\26560.05_MP41.dwg MODIFIED: Jun 12, 2020 11:41am PLOTTED: Jun 12, 2020 11:42am BY: 6741 PLOT SCALE: 1=1



SECTION **A-MP41**
MP10 24" X 24" HOT TAP
SCALE: 1/4" = 1'-0"



SECTION **B-MP41**
MP12 12" LATERAL TO HEAT EXCHANGER
SCALE: 1/4" = 1'-0"

NOTES:

- SEE GG01 AND MG00 FOR GENERAL PROJECTS NOTES THAT APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN KEY NOTES.



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MECHANICAL
SECTIONS

REVISIONS		DATE
NO.	DESCRIPTION	DATE
0	100% DESIGN SUBMITTAL	04/29/20
1	ADDENDUM 005	06/16/20

DESIGNED	G. DAVIS	DATE	APRIL 29, 2020
DRAWN	J. ROGERS		
CHECKED	J. GRIFFIN		
APPROVED	G. DAVIS		



26560.05.00

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SCALE: AS NOTED

AT FULL SIZE

SHEET NO. **MP41**

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