

Bidding Requirements, Contract Forms and Conditions of the Contract
ADDENDUM
Section 00900

ADDENDUM No. 3

Date August 7, 2015

City of Austin

Project Name Harris Branch Interceptor Lower A and Siphon Line Decommission

C.I.P. No. 4769.010

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated June 15, 2015. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

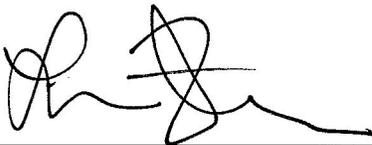
Delete Section 00020 in its entirety and replace with the attached Section 00020.

Delete Section 00300U in its entirety and replace with the attached Section 00300U.

B. Drawing Revisions:

Remove and replace Sheet 18 of 47, Sheet 28 of 47, and Sheet 7 of 20.

This addendum consists of 15 page(s)/sheet(s).



Approved by OWNER



Approved by ENGINEER/ARCHITECT



END

Bidding Requirements, Contract Forms and Conditions of the Contract
INVITATION FOR BIDS
Section 00020

Following is a summary of information for this Project. Bidder is cautioned to refer to other sections of the Project Manual, Drawings and Addenda (Bid Documents) for further details.

The City of Austin, hereafter called OWNER, is requesting sealed written Bids for furnishing all labor, materials, equipment, supervision, and incidentals, and for performing all Work required for the following Project:

Harris Branch Interceptor Lower A and Siphon Line Decommission

Located at: Along Harris Branch Creek from Arlington Mill Road (upstream) to State Highway 130 (downstream) and along Harris Branch Creek from Kilmartin Lane to Boyce Lane

CIP ID# 4769.010 IFB# 6100 CLMC541

The Work consists of construction of 30-inch (approximately 7700 linear feet) and 36-inch (approximately 1900 linear feet) wastewater interceptor from the Harris Branch wastewater treatment plant to its downstream connection to Harris Branch Interceptor Lower B about 100-feet west of SH 130, the construction of 12-inch (approximately 1960 linear feet) wastewater line from 12024 Kilmartin Lane to approximately 100-feet east of Boyce Lane, and the decommission of the existing siphon line crossing Harris Branch Creek.

Bid Documents may be obtained at One Texas Center, 505 Barton Springs Road, Ste. 1045 (Front Desk), Austin, TX 78704. Copies will be available in CD format at no cost.

At the time Bid Documents are obtained, Bidder must provide a working e-mail address, so that they will receive any addenda or clarification issued by the Owner.

Sealed Bids will be received at the Contract Management Department, 105 W. Riverside Dr., Suite 210, Austin, Texas 78704 and then publicly opened and read aloud in the **SUITE 210 Conference Room**.

ALL BIDS ARE DUE PRIOR TO (Austin time) 08/20/2015 9:00 AM.

ALL COMPLIANCE PLANS ARE DUE PRIOR TO (Austin time) 08/20/2015 1:00 PM.

BIDS WILL BE OPENED AT (Austin time) 08/20/2015 1:00 PM.

ALL BIDS AND COMPLIANCE PLANS NOT RECEIVED PRIOR TO THE DATE AND TIME SET FORTH ABOVE WILL NOT BE ACCEPTED FOR CONSIDERATION. The time stamp clock in **SUITE 210** is the time of record and is verified with www.time.gov, the official U.S. time.

All CONTRACTORS must be registered to do business with OWNER prior to the Contract Award. All Subcontractors must be registered with the OWNER prior to execution of a contract. Prime Contractors are responsible for ensuring that their Subcontractors are registered as vendors with the City of Austin. Registration can be done through the OWNER's on-line Vendor Registration system. Log onto <https://www.ci.austin.tx.us/vss/Advantage> and follow the directions.

All City procurements are subject to the City's Minority-Owned and Women-Owned Business Enterprise Procurement Program found at Chapter 2-9-A of the City Code, as amended. The Program provides Minority-Owned and Women-Owned Business Enterprises (MBEs/WBEs) or Disadvantaged Business Enterprises (DBEs) full opportunity to participate in all City contracts. Goals for MBE/WBE or DBE participation are stated for each solicitation. Information on achieving the goals or documenting good faith efforts to achieve the goals are contained in the MBE/WBE Procurement Program Package or DBE Procurement Program Package attached to the solicitation. When goals are established, Bidders are required to complete and return the MBE/WBE or DBE Compliance Plan with their Bid. If a Compliance Plan is not submitted prior to the date and time

set forth in the solicitation, the Bid will not be accepted for consideration. (See Section 00820 for MBE/WBE requirements on "no goal" solicitations.)

All Bids shall be accompanied by an acceptable Bid guaranty in an amount of not less than five percent (5%) of the total Bid, as specified in Section 00100, Instructions To Bidders.

Performance and payment bonds when required shall be executed on forms furnished by OWNER. Each bond shall be issued in an amount of one hundred percent (100%) of the Contract Amount by a solvent corporate surety company authorized to do business in the State of Texas, and shall meet any other requirements established by law or by OWNER pursuant to applicable law.

Minimum insurance requirements are specified in Section 00810, Supplemental General Conditions.

Minimum wage rates have been established and are specified in Section 00830, Wage Rates and Payroll Reporting.

Contract Time is of the essence and all Work shall be substantially completed within 365 Calendar Days after date specified in the Notice to Proceed, in accordance with the Bid Form, Section 00300. Final completion shall be achieved within 45 Calendar Days after substantial completion. Liquidated damages are \$1200 per Calendar Day for failure to substantially complete the work and \$480 per Calendar Day for failure to achieve final completion within 45 Calendar Days after substantial completion, in accordance with the Bid Form, Section 00300.

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 Bid).

A mandatory Pre-Bid Conference will be held on 06/24/2015 at 2:00 PM
(date) (time)

(Austin time) at Webberville Service Center, Large Conference Room, 2600 Webberville Road, 2nd Floor, Austin, TX 78702
(location)

Austin, Texas. Attendance is mandatory unless otherwise stated. Bidders must attend any mandatory Pre-Bid Conference and are encouraged to attend any non-mandatory Pre-Bid Conference to ensure their understanding of Owner's bidding and contracting requirements, particularly MBE/WBE Procurement Program requirements. If the Pre-Bid Conference is mandatory the Bidder must arrive and sign-in within fifteen (15) minutes of the scheduled start time of the meeting, otherwise the Bidder will not be allowed to submit a Bid for the project.

The persons listed below may be contacted for information regarding the Invitation for Bid. If the Bidder contacts any other City employee, including Council Members and members of Boards and Commissions, the Bidder may be found in violation of Ordinance No. 20111110-052, dated November 10, 2011, regarding Anti-Lobbying and Procurement. The text of that Ordinance may be viewed at <http://www.cityofaustin.org/edims/document.cfm?id=161145>.

AUTHORIZED CONTACT PERSONS

PROJECT MANAGER: Lisa Whitworth
Telephone (512) 974-5615
Email: lisa.whitworth@austintexas.gov

CONTRACT COMPLIANCE REP: Sofie Johnson
Telephone (512) 974-9143
Email: Sofie.Johnson@austintexas.gov

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: Harris Branch Interceptor Lower A and Siphon Line Decommission

(CIP ID# # 4769.010) (IFB# 6100 CLMC541) for the City of Austin, Texas, 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 for the following prices of:

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 Right of Way	\$_____	\$_____
102S-A	13	AC	Clearing and Grubbing	\$_____	\$_____
509S-1	9980	LF	Trench Excavation Safety Protection Systems (all depths)	\$_____	\$_____
510-AWW12-1	1960	LF	Pipe, 12-In. Dia. PVC SDR-26 Pipe (all depths), including Excavation and Backfill	\$_____	\$_____
510-AWW12-2	50	LF	Pipe, 12-In. Dia. PVC SDR-18 Pipe (all depths), including Excavation and Backfill	\$_____	\$_____
510-AWW24	10	LF	Pipe, 24-In. Dia. PS115 Pipe (all depths), including Excavation and Backfill	\$_____	\$_____
510-AWW30	5640	LF	Pipe, 30-In. Dia. FRPM Pipe Class SN 72 or PVC PS115 Pipe (all depths), including Excavation and Backfill	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
510-AWW36	625	LF	Pipe, 36-In. Dia. FRPM Pipe Class SN 72 or PVC PS115 Pipe (all depths), including Excavation and Backfill	\$_____	\$_____
510-AWW30-FRPM	960	LF	Pipe, 30-In. Dia. FRPM Pipe Class SN 72 (all depths), including Excavation and Backfill	\$_____	\$_____
510-AWW36-FRPM	730	LF	Pipe, 36-In. Dia. FRPM Pipe Class SN 72 (all depths), including Excavation and Backfill	\$_____	\$_____
510-SD12	85	LF	Pipe, 12-In. Dia. RCP Class V (all depths), including Excavation and Backfill	\$_____	\$_____
591S-B	80	CY	Dry Rock Riprap (D50=18 in.)	\$_____	\$_____
604S-B	7.4	AC	Non-Native Seeding for Erosion Control Method, Fiber Mulch	\$_____	\$_____
604S-D	4.8	AC	Native Seeding for Erosion Control Method, Fiber Mulch	\$_____	\$_____
604S-F	1.8	AC	Mulch	\$_____	\$_____
605S-A	2880	SY	Soil Retention Blanket Class 2; Type F	\$_____	\$_____
609S-C	1050	SY	Native Grassland Seeding and Planting	\$_____	\$_____
610S-A	1100	LF	Protective Fencing Type A Chain Link fence (Typical Application-high damage potential)	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
639S	540	LF	Rock Berm	\$_____	\$_____
642S	10020	LF	Silt Fence for Erosion Control	\$_____	\$_____
648S	920	LF	Mulch Sock	\$_____	\$_____
700S-TM	1	LS	Total Mobilization Payment	\$_____	\$_____
701S-CS	4	EA	Chain Link Vehicular Single Swing Gate, 12 ft. x 6 ft.	\$_____	\$_____
701S-T	2000	LF	Temporary Chain Link Fence, 6 ft.	\$_____	\$_____
703	8400	LF	Safety Fencing	\$_____	\$_____
802S-B-CIP	4	EA	C.I.P. Project Signs	\$_____	\$_____
803S-CD	365	CD	Barricades, Signs, and Traffic Handling	\$_____	\$_____
SP608S-BG	50	EA	Planting Type 1-Gallon Native Bunch Grass Species, per plans, planting tables and details.	\$_____	\$_____
SP608S-TR	12	EA	Planting Type 5-Gallon Native Tree Species, per plans, planting tables and details.	\$_____	\$_____
SP641S	2350	SY	Stabilized Construction Entrance	\$_____	\$_____
SS1000	3	EA	Coffer Dam Dewatering System	\$_____	\$_____
SS1050S-EDM4	48	LVF	Extra Depth WW Manhole, 4' Dia.	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS1050S-EDM5	42	LVF	Extra Depth WW Manhole, 5' Dia.	\$_____	\$_____
SS1050S-EDM6	310	LVF	Extra Depth WW Manhole, 6' Dia.	\$_____	\$_____
SS1050S-EDM8	25	LVF	Extra Depth WW Manhole, 8' Dia.	\$_____	\$_____
SS1050S-MWW-4	6	EA	Standard Pre-cast Manhole w/Pre-cast Base, 4' Dia.	\$_____	\$_____
SS1050S-MWW-5	2	EA	Standard Pre-cast Manhole w/Pre-cast Base, 5' Dia.	\$_____	\$_____
SS1050-CN-M	2	EA	Connect to Existing Manhole	\$_____	\$_____
SS1050S-CN-P	2	EA	Connect to Existing Pipe	\$_____	\$_____
SS1050-JWW-10x6	1	EA	Junction Box, 10 Ft. x 6 Ft.	\$_____	\$_____
SS1050-JWW-14x8	1	EA	Junction Box, 14 Ft. x 8 Ft.	\$_____	\$_____
SS1050-P2WW-5	1	EA	Pre-cast Polymer Concrete Manhole w/Pre-cast Base, 5' Dia.	\$_____	\$_____
SS1050-P2WW-6	17	EA	Pre-cast Polymer Concrete Manhole w/Pre-cast Base, 6' Dia.	\$_____	\$_____
SS1050-P2WW-8	2	EA	Pre-cast Polymer Concrete Manhole w/Pre-cast Base, 8' Dia.	\$_____	\$_____
SS1100	1	LS	Siphon Line Decommission	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS1540-BP12	1	EA	By-Pass Pumping for lines 12"	\$_____	\$_____
SS1540-BP24	1	EA	By-Pass Pumping for lines 20" to 24"	\$_____	\$_____
SS02400-AS	7	EA	Access Shaft, complete in place.	\$_____	\$_____
SS02400-ES	7	EA	Exit Shaft, complete in place.	\$_____	\$_____
SS02450-30	1120	LF	Installation of Pipe in Tunnel, 30-inch FRPM, including tunnel, encasement pipe, and carrier pipe, complete in place.	\$_____	\$_____
SS02450-36	465	LF	Installation of Pipe in Tunnel, 36-inch FRPM, including tunnel, encasement pipe, and carrier pipe, complete in place.	\$_____	\$_____

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. 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:

- For information pertaining to Rolling Owner Controlled Insurance Program (ROCIP), see Sections 00810 and 00820.

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.

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 or Section 00020S, 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 (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 00020S 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.

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 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, and as calculated in accordance with the Insurance Cost Form, Section 00425.

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 its 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 he/she 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 sixty-five (365) Calendar Days**. **If a Substantial Completion date has been specified, the Bidder further agrees to reach Final Completion within forty-five (45) 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 or to finally** 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 its bid, in consideration for the waiver of its 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 two hundred dollars (\$1200) 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 date as established by the above paragraph , "Time of Completion", payment will be due to the OWNER in the amount of four hundred eighty dollars (\$480) 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.

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).

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 _____

Addendum No. 5 dated _____ Received _____

Secretary, *if Bidder is a Corporation

Bidder

(Seal)

Authorized Signature

Title

Date

Address

Telephone Number / FAX Number

Email Address for Person Signing Bid

Email Address for Bidder's Primary Contact Person

* Copy of Corporate Resolution and minutes with certificate of officer of Bidder as to authority of signatory to bind Bidder is to be signed and dated no earlier than one week before Bid date, and attached to this document.

SAMPLE: BID PRICES SUBMITTED BY COMPUTER PRINTOUT

Project Name:
CIP ID #:
IFB #:

Bid Item #	Bid Item Description	Unit	Qty	Unit Bid Price	Total Amount
Total Bid:					

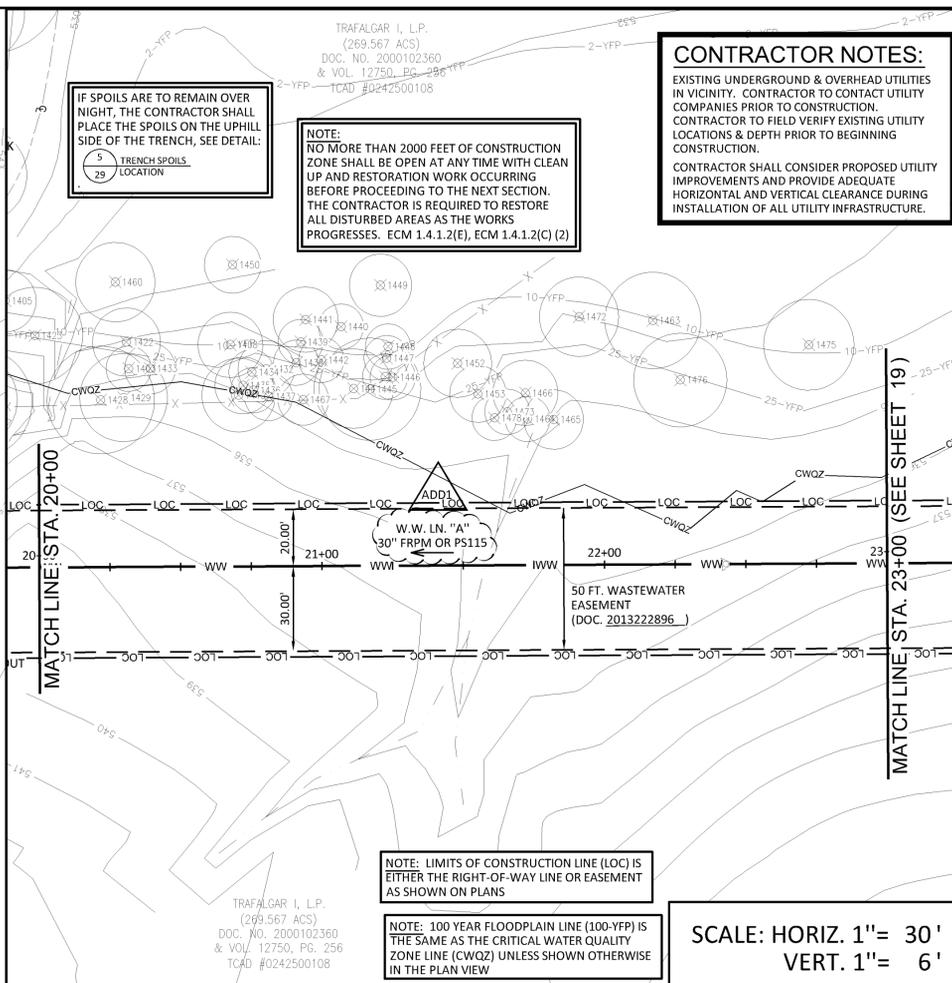
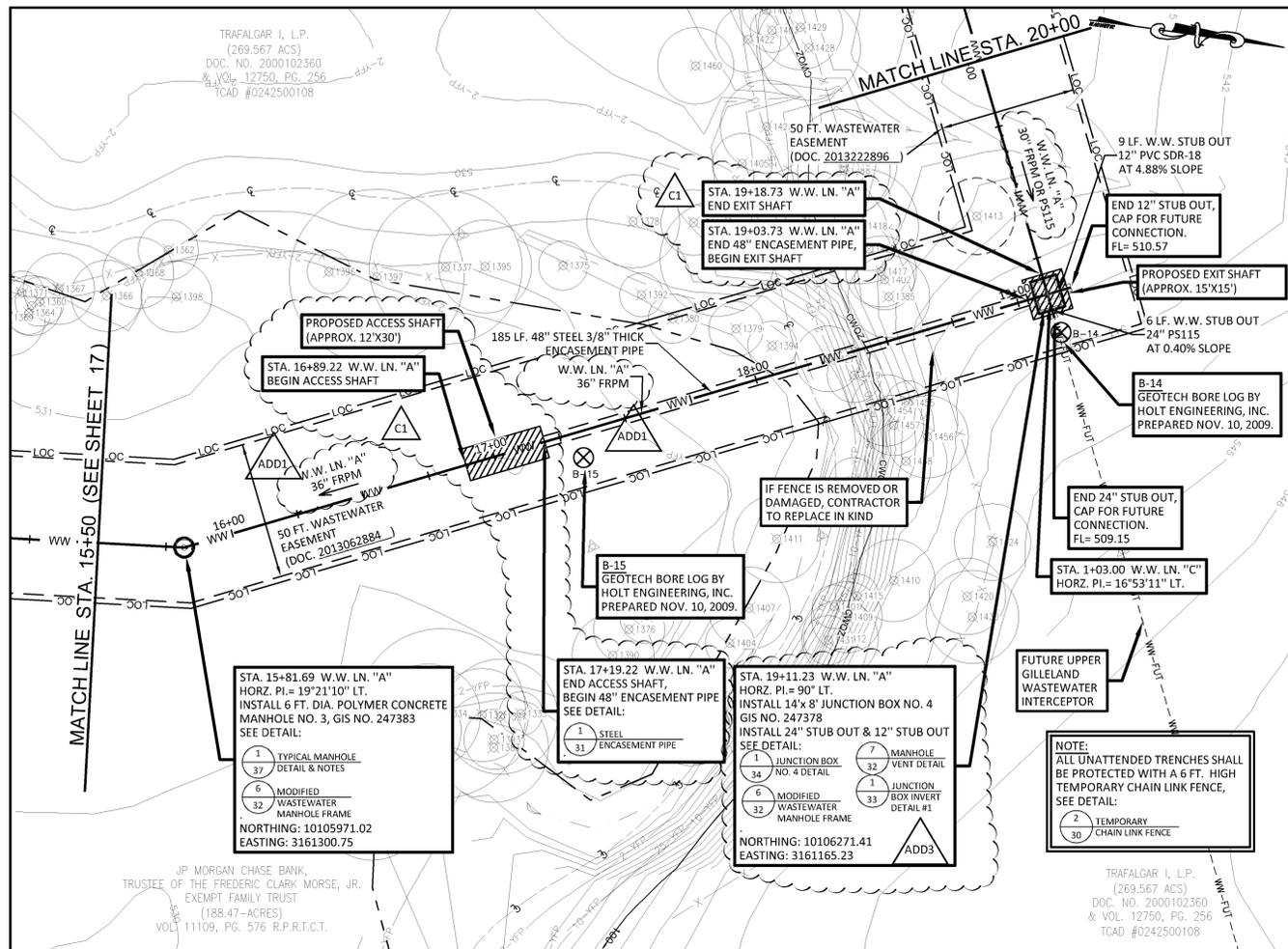
(YOUR FIRM'S NAME) certifies that the unit prices shown on this completed computer printout for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its Bid will be tabulated using these unit prices and no other information from this printout. (YOUR 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.

Signed: _____

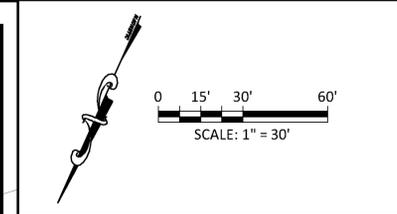
Title: _____

Date: _____

End



CONTRACTOR NOTES:
 EXISTING UNDERGROUND & OVERHEAD UTILITIES IN VICINITY. CONTRACTOR TO CONTACT UTILITY COMPANIES PRIOR TO CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS & DEPTH PRIOR TO BEGINNING CONSTRUCTION.
 CONTRACTOR SHALL CONSIDER PROPOSED UTILITY IMPROVEMENTS AND PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CLEARANCE DURING INSTALLATION OF ALL UTILITY INFRASTRUCTURE.



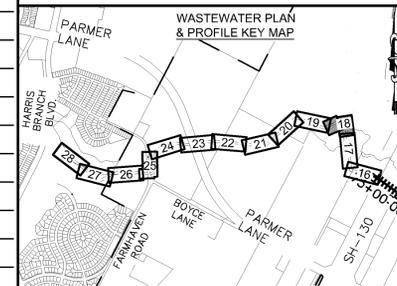
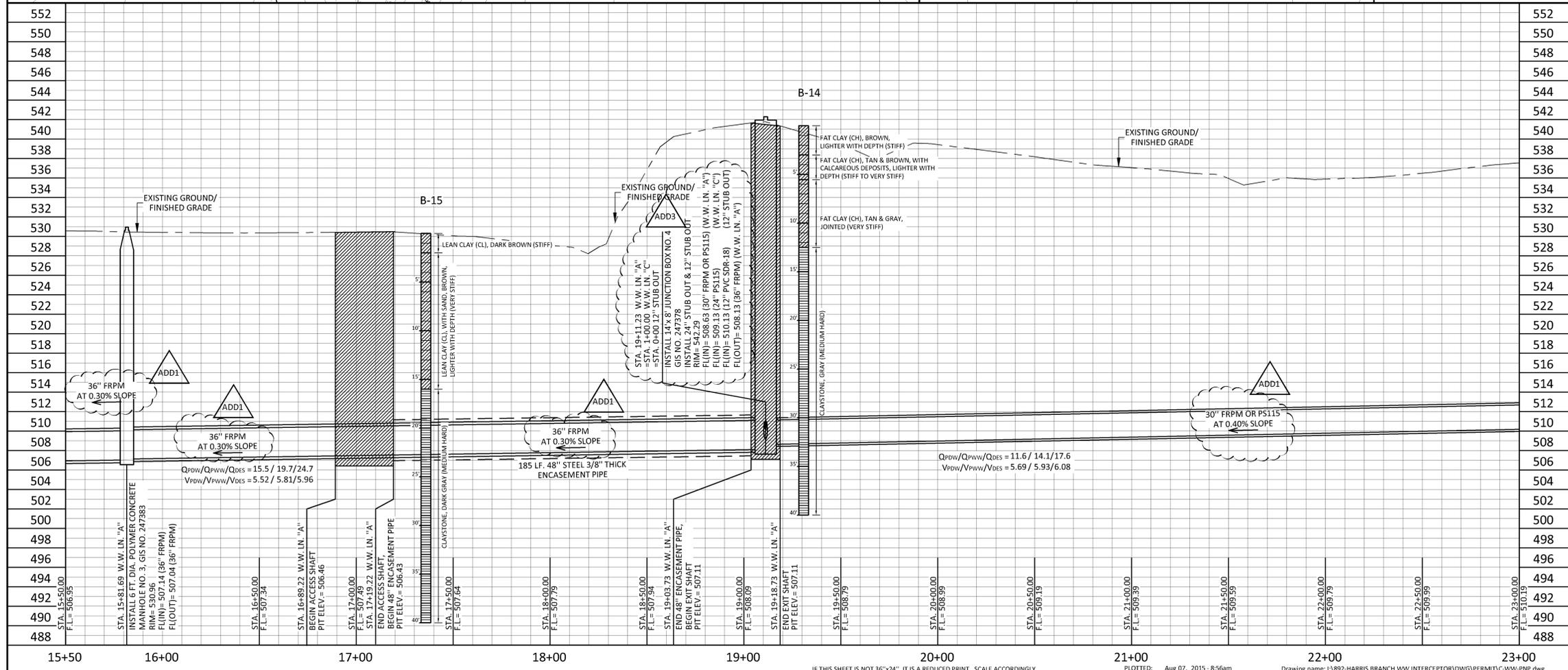
LEGEND

---	PROJECT BOUNDARY LINE	---	EXISTING R.O.W./PROPERTY LINE
---	EXISTING EASEMENT LINE	---	EXISTING PAVEMENT
---	PROPOSED CURB & GUTTER	---	PROPOSED CONTOURS
-49.3	EX. CONTOURS	-49.3	PROP. CONTOURS
W	EX. WATER LINE	W	PROP. WATER LINE
→	FLOW ARROW	F	PROP. FIRE LINE
WW	EX. WASTEWATER	WW	PROP. WASTEWATER
SD	EX. STORM DRAIN	SD	PROP. STORM DRAIN
WV	EX. WATER VALVE	WV	PROP. WATER VALVE
⊙	EX. FIRE HYDRANT	⊙	PROP. FIRE HYDRANT
⊙	EX. WATER METER	⊙	PROP. WATER METER
⊙	EX. WASTEWATER MANHOLE	⊙	PROP. WASTEWATER M.H.
⊙	EX. STORM DRAIN MANHOLE	⊙	PROP. STORM DRAIN M.H.
⊙	EX. STORM DRAIN INLET WITH LATERAL	⊙	PROP. STORM DRAIN INLET WITH LATERAL
⊙	CONTROL POINT	⊙	EX. TELEPHONE MANHOLE
⊙	EX. SIGN	⊙	EX. TELEPHONE MARKER
⊙	EX. POWER POLE	⊙	EX. FIBER OPTICS MARKER
⊙	EX. GUY WIRE	⊙	EX. TELEPHONE BOX
⊙	EX. LIGHT POLE	⊙	EX. TRAFFIC SIGNAL POLE
⊙	EX. ELECTRIC MANHOLE	⊙	EX. TRAFFIC SIGNAL BOX
⊙	EX. ELECTRIC BOX	⊙	EX. GAS VALVE
⊙	EX. ELECTRIC MARKER	⊙	EX. GAS METER
⊙	EX. SPRINKLER VALVE	⊙	EX. GAS MARKER
⊙	EXISTING TREE (TO REMAIN)	⊙	EX. MAIL BOX
⊙	EXISTING TREE (TO BE REMOVED)	⊙	EX. PARKING METER
OHU	EX. OVERHEAD UTILITIES	OHU	EX. CHAINLINK FENCE
OHE	EX. OVERHEAD ELECTRIC	OHU	EX. WIRE FENCE
UE	EX. UNDERGROUND ELECTRIC	OHU	EX. WOOD FENCE
UR	EX. UNDERGROUND RAIL	OHU	EX. GUARD RAIL
UT	EX. UNDERGROUND TELEPHONE	OHU	CITY OF AUSTIN FULLY DEVELOPED 100-YR FLOODPLAIN
FD	EX. UNDERGROUND FIBEROPTICS	OHU	100-YR FEMA FLOODPLAIN
G	EX. GAS LINE	OHU	CRITICAL WATER QUALITY ZONE
BH-1	GEOTECHNICAL BORE HOLE LOCATION	OHU	WATER QUALITY TRANSITION ZONE

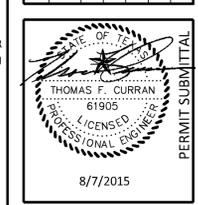
SCALE: HORIZ. 1" = 30'
VERT. 1" = 6'

WASTEWATER FLOW LEGEND:

Q _{PDW}	= PEAK DRY WEATHER FLOW
Q _{PWW}	= PEAK WET WEATHER FLOW
Q _{DES}	= DESIGN FLOW
V _{PDW}	= PEAK DRY WEATHER VELOCITY
V _{PWW}	= PEAK WET WEATHER VELOCITY
V _{DES}	= DESIGN VELOCITY



NO.	DATE	APPROVED BY	DESCRIPTION
C1	3/16/2015	TC	REVISED BORE & EXIT SHAFT PROFILES
ADD1	7/20/2015	TC	REVISED ACCESS, REMOVED ALL 'NO' 'TYPICAL' 'PS115', AND REVISED 'M.H. DRAWINGS'



CHAN & PARTNERS, LLC
 CONSULTING CIVIL ENGINEERS
 4319 JAMES CASEY STREET, #300
 AUSTIN, TEXAS 78745
 512-480-9555 (FAX) 512-460-8611 (FAX)
 WWW.CHANPARTNERS.COM
 TEXAS REGISTRATION NO. F-13913

JOB: HARRIS BRANCH INTERCEPTOR LOWER A
 11949 ARLINGTON MILL ROAD

PROJECT: WASTEWATER SEGMENT LOWER "A"

SHEET: WASTEWATER LINE "A" STA. 15+50 TO 23+00

DATE ISSUED: 1/16/2014

DESIGN: TC **DRAWN:** CD

CHECKED: RC

CADD FILE: CADD DIRECTORY: 892

SHEET
 18
 OF
 47

SP-2010-0338D
 SITE PLAN / DEVELOPMENT PERMIT NUMBER

