



**CENTRAL SEWERSHED PACKAGE 5**  
**Solicitation Number: CO-00175**  
**SAWS Job No.: 17-4556**

**ADDENDUM 1**  
**July 13, 2018**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the proposal and plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the proposal.

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| <b>MODIFICATIONS TO SPECIFICATIONS</b> |
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1. Remove the Building Wage Decision in its entirety and replace with the attached latest version issued by the Department of Labor on 7/6/18.
2. Remove the Statement of Bidder's Experience (SBE-1 through SBE-3) in its entirety and replace with the attached revised version. The revised version should be used by bidders when submitting a bid for this project. The following items were updated:
  - a. On SBE-3, revised the requirement for the pipe burst project to have been completed by the Bidder or their subcontractor.
3. Remove Section 5.18 of the Supplemental Conditions (SS-3) in its entirety and replace with the following:

WORKING HOURS – Working hours shall be limited to overnight Sunday through Thursday between the hours of 7 PM and 7 AM. No Work, with the exception of such items as installation of CIPP, operation and maintenance of bypass pumping system, curing of concrete, maintenance of barricades, maintenance of temporary pavement, etc., will be allowed by the Owner at any other time, unless directed by Owner or requested in writing by Contractor and approved by Owner and the ROW Owner. In addition to no work being permitted on holidays, no work shall occur on Fridays or Saturdays without specific, written permission of the Owner's representative forty-eight (48) hours in advance of intent to perform Work.

4. Remove SC 2.0.I.c. of the Special Conditions (SC-1) which states "Line F" can't be constructed between the months of March and October.
5. Remove SC 2.0.III of the Special Conditions (SC-2) in its entirety and replace with the following:

Work shall be limited to Sunday through Thursday between the hours of 7 PM and 7 AM. Installation of CIPP and operation and maintenance of the bypass pumping system are exempt from this requirement.

## MODIFICATIONS TO PLANS

1. Plan sheet 3 – Replace sheet dated 6/26/18 with attached sheet dated 7/11/18
2. Plan sheet 35 – Replace sheet dated 6/26/18 with attached sheet dated 7/11/18
3. Plan sheet 55 – Replace sheet dated 6/27/18 with attached sheet dated 7/11/18
4. Plan sheet 58 – Replace sheet dated 6/27/18 with attached sheet dated 7/11/18
5. Plan sheet 60 – Replace sheet dated 6/27/18 with attached sheet dated 7/11/18

## RESPONSES TO QUESTIONS

1. Question: Are there video inspections available of the pipelines? If so, please make them available to the bidders for review.

*Answer: Yes, videos are available for download. To access the videos the bidder must complete and submit the attached release form; the password required to view the videos will be provided upon SAWS receipt of the completed and signed release form. Please submit the form to Fred Flores, Contract Administrator, via email to: Fred.Flores@saws.org or by fax to (210) 233-4293. NOTE: These videos are provided for information purposes only and are not included in the bid documents. The deterioration is an ongoing process, so the condition at the time of construction may be substantially different from that shown in the videos.*

2. Question: Project A-3 on the Statement of Bidder's Experience (page SBE-3) says the listed project is to have been completed by the bidder, but it asks for experience performing pipe bursting. Most CIPP lining firms do not also perform pipe bursting, so it is likely the pipe bursting work will be performed by a subcontractor on most of the bids submitted for this project. Please confirm that the experience listed for project A-3 may be for a subcontractor performing the pipe bursting instead of the bidder.

*Answer: The experience listed for project A-3 may be for a subcontractor performing the pipe bursting. See revised Statement of Bidder's Experience (SBE-1 through SBE-3) issued with this Addendum 1.*

3. Question: With the majority of the work in TxDOT ROW, will the Contractor still be required to obtain COSA ROW permits for the entire project or only portions?

*Answer: Broadway, between E. Josephine and Hildebrand, is TxDOT ROW. All side streets connecting to Broadway are COSA ROW. SAWS is obtaining the TXDOT permit for work taking place on Broadway but the Contractor will be required to obtain the COSA ROW permit for all work taking place on side streets to include sewer rehabilitation work, bypass pumping operations, and traffic control.*

4. Question: SC-2.0.III on page SC-2 says work shall be limited to Sunday through Thursday between the hours of 7PM and 7AM. Supplemental condition to section 5.18 on page SS-3 says the working hours shall be limited to overnight Sunday through Thursday between the hours of 7PM-7AM, and that no work, with the exception of such items as curing of concrete, maintenance of barricades, maintenance of temporary pavement, etc., will be allowed by the Owner at any other time, unless directed by Owner or requested in writing by Contractor and approved by Owner and the ROW Owner. At the pre-bid meeting, it was mentioned that operating and maintaining bypass pumping operations would also be an item that would be considered to be an exception to these working hours. To allow adequate time for CIPP to be installed, we request that CIPP installation operations also be considered to be an exception to these working hours. Please confirm that both operating & maintaining bypass pumping and CIPP installation operations would also be considered to be exceptions to the 7PM-7AM working hours.

*Answer: The Supplemental Conditions and Special Conditions have been clarified. Operating and maintaining the bypass pumping and the installation of the CIPP liner are considered exceptions to the 7 PM – 7 AM working hour restrictions.*

*The intent is that the bypass pumping system is installed between the hours of 7 PM and 7 AM Sunday through Thursday but operation and maintenance can occur outside of these hours.*

*In regard to CIPP installation, the intent is for the installation to begin as early as possible after 7 PM. It is understood that installation may go beyond 7 AM and that the operation can't be stopped after it is started.*

5. Question: On past projects, the extra length point repairs item has been used for any point repair lengths that exceeded 9 LF, but that does not appear to be the case for this project. Please confirm that for this project, extra length point repairs is only applicable for point repair lengths that exceed 20 LF.

*Answer: Extra length point repairs are only applicable for point repair lengths that exceed 20 LF.*

6. Question: For which scopes of work will flowable fill be considered a separate pay item, and for which scopes of work will flowable fill be incidental and not paid separately? It appears that flowable fill is paid separately for point repairs in TxDOT ROW, but not for manhole installation/adjustment/replacement in TxDOT or COSA ROW or for point repairs in COSA ROW. Is this correct?

*Answer: Flowable fill is considered a separate pay item only for point repairs and service reconnections, with open cut excavation within TxDOT ROW. Flowable fill is not required for point repairs in COSA ROW. For all other work, flowable fill is not paid for separately and is considered subsidiary to the work being performed.*



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Chris Boentges, P.E.  
K Friese + Associates, Inc. (TBPE F-6535)

#### **END OF ADDENDUM 1**

This Addendum, including these three (3) pages, is 19 pages with attachments in its entirety.

Attachments: Wage Decisions (Building) - TX180280 07/06/2018  
Statement of Bidder's Experience  
CCTV Video Release Form  
Plan sheets 3, 35, 55, 58, and 60

General Decision Number: TX180280 07/06/2018 TX280

Superseded General Decision Number: TX20170280

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

| Modification Number | Publication Date |
|---------------------|------------------|
| 0                   | 01/05/2018       |
| 1                   | 01/12/2018       |
| 2                   | 03/23/2018       |
| 3                   | 04/20/2018       |
| 4                   | 07/06/2018       |

ASBE0087-014 01/01/2018

|   | Rates    | Fringes |
|---|----------|---------|
| ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)..... | \$ 22.72 | 10.02   |

BOIL0074-003 01/01/2017

|                  | Rates    | Fringes |
|------------------|----------|---------|
| BOILERMAKER..... | \$ 28.00 | 22.35   |

ELEC0060-003 06/01/2016

Rates Fringes

ELECTRICIAN (Communication  
Technician Only).....\$ 21.57                   9%+4.65

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\* ELEC0060-004 06/01/2018

|   | Rates    | Fringes  |
|---|----------|----------|
| ELECTRICIAN (Excludes Low<br>Voltage Wiring)..... | \$ 28.30 | 13%+5.05 |

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ELEV0081-001 01/01/2018

|                        | Rates    | Fringes    |
|------------------------|----------|------------|
| ELEVATOR MECHANIC..... | \$ 39.32 | 32.645+a+b |

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

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ENGI0450-002 04/01/2014

|   | Rates    | Fringes |
|---|----------|---------|
| POWER EQUIPMENT OPERATOR<br>Cranes..... | \$ 34.85 | 9.85    |

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IRON0066-013 06/01/2017

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| IRONWORKER, STRUCTURAL..... | \$ 21.55 | 6.73    |

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IRON0084-011 06/01/2017

|                             | Rates    | Fringes |
|-----------------------------|----------|---------|
| IRONWORKER, ORNAMENTAL..... | \$ 23.27 | 7.12    |

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PLUM0142-009 07/01/2017

|  | Rates    | Fringes |
|--|----------|---------|
| HVAC MECHANIC (HVAC<br>Electrical Temperature<br>Control Installation Only)..... | \$ 30.25 | 11.80   |
| HVAC MECHANIC (HVAC Unit<br>Installation Only).....                              | \$ 30.25 | 11.80   |
| PIPEFITTER (Including HVAC<br>Pipe Installation).....                            | \$ 30.25 | 11.80   |
| PLUMBER (Excludes HVAC Pipe  |          |         |

Installation).....\$ 30.25 11.80

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SFTX0669-002 04/01/2017

|  | Rates    | Fringes |
|--|----------|---------|
| SPRINKLER FITTER (Fire<br>Sprinklers)..... | \$ 29.03 | 15.84   |

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SHEE0067-004 04/01/2018

|   | Rates    | Fringes |
|---|----------|---------|
| Sheet metal worker<br>Excludes HVAC Duct<br>Installation..... | \$ 26.35 | 15.29   |
| HVAC Duct Installation Only.                                  | \$ 26.35 | 15.29   |

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SUTX2014-006 07/21/2014

|   | Rates    | Fringes |
|---|----------|---------|
| BRICKLAYER.....   | \$ 22.15 | 0.00    |
| CARPENTER (Acoustical Ceiling<br>Installation Only).....  | \$ 17.83 | 0.00    |
| CARPENTER (Form Work Only).....   | \$ 13.63 | 0.00    |
| CARPENTER, Excludes<br>Acoustical Ceiling<br>Installation, Drywall<br>Hanging, Form Work, and Metal<br>Stud Installation..... | \$ 16.86 | 4.17    |
| CAULKER.....  | \$ 15.00 | 0.00    |
| CEMENT MASON/CONCRETE FINISHER...   | \$ 22.27 | 5.30    |
| DRYWALL FINISHER/TAPER.....   | \$ 13.81 | 0.00    |
| DRYWALL HANGER AND METAL STUD<br>INSTALLER.....   | \$ 15.18 | 0.00    |
| ELECTRICIAN (Low Voltage<br>Wiring Only).....   | \$ 20.39 | 3.04    |
| IRONWORKER, REINFORCING.....  | \$ 12.27 | 0.00    |
| LABORER: Common or General.....   | \$ 10.75 | 0.00    |
| LABORER: Mason Tender - Brick...  | \$ 11.88 | 0.00    |
| LABORER: Mason Tender -<br>Cement/Concrete.....   | \$ 12.00 | 0.00    |
| LABORER: Pipelayer.....   | \$ 11.00 | 0.00    |

|   |          |      |
|---|----------|------|
| LABORER: Roof Tearoff.....  | \$ 11.28 | 0.00 |
| LABORER: Landscape and<br>Irrigation.....                                       | \$ 8.00  | 0.00 |
| OPERATOR:<br>Backhoe/Excavator/Trackhoe.....                                    | \$ 15.98 | 0.00 |
| OPERATOR: Bobcat/Skid<br>Steer/Skid Loader.....                                 | \$ 14.00 | 0.00 |
| OPERATOR: Bulldozer.....  | \$ 14.00 | 0.00 |
| OPERATOR: Drill.....  | \$ 14.50 | 0.00 |
| OPERATOR: Forklift.....   | \$ 12.50 | 0.00 |
| OPERATOR: Grader/Blade.....   | \$ 23.00 | 5.07 |
| OPERATOR: Loader.....   | \$ 12.79 | 0.00 |
| OPERATOR: Mechanic.....   | \$ 18.75 | 5.12 |
| OPERATOR: Paver (Asphalt,<br>Aggregate, and Concrete).....                      | \$ 16.03 | 0.00 |
| OPERATOR: Roller.....   | \$ 12.00 | 0.00 |
| PAINTER (Brush, Roller and<br>Spray), Excludes Drywall<br>Finishing/Taping..... | \$ 13.07 | 0.00 |
| ROOFER.....   | \$ 12.00 | 0.00 |
| TILE FINISHER.....  | \$ 11.32 | 0.00 |
| TILE SETTER.....  | \$ 14.94 | 0.00 |
| TRUCK DRIVER: Dump Truck.....   | \$ 12.39 | 1.18 |
| TRUCK DRIVER: Flatbed Truck.....  | \$ 19.65 | 8.57 |
| TRUCK DRIVER: Semi-Trailer<br>Truck.....  | \$ 12.50 | 0.00 |
| TRUCK DRIVER: Water Truck.....  | \$ 12.00 | 4.11 |

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave  
for Federal Contractors applies to all contracts subject to the  
Davis-Bacon Act for which the contract is awarded (and any

solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and



the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal

process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

**STATEMENT OF BIDDER'S EXPERIENCE**

**Central Sewershed Package 5,  
SAWS Job No. 17-4556  
SAWS Solicitation No. CO-00175**

A. Please complete **all** the fields below.

**If all fields are not completed, the Bid may be at risk for being rejected due to non-responsiveness. It is not acceptable to indicate "See attached".**

**Project A-1 is to have been completed by the Bidder.**

- Project A-1 demonstrates construction of a minimum of 2,000 LF by CIPP construction for sanitary sewer mains 18-inches and greater.
- Project A-1 demonstrates construction by CIPP in urban locations.
- Project A-1 shall have been completed between 2013 and 2018.

*Project A-1 Description*

Name of Project: \_\_\_\_\_ Location: \_\_\_\_\_

Scope of Work: \_\_\_\_\_

Pipe Sizes: \_\_\_\_\_ Pipe Lengths: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Owner Title: \_\_\_\_\_

Owner Phone Number: \_\_\_\_\_ Bid Amount: \_\_\_\_\_

Final Contract Amount: \_\_\_\_\_

Project Start Date: \_\_\_\_\_ Project End Date: \_\_\_\_\_

Additional Information: \_\_\_\_\_

**If all fields are not completed, the Bid may be at risk for being rejected due to non-responsiveness. It is not acceptable to indicate “See attached”.**

**Project A-2 is to have been completed by the Bidder.**

- Project A-2 demonstrates construction of a minimum of 1,000 LF by CIPP construction for sanitary sewer main from 8- through 15-inches.
- Project A-2 demonstrates construction by CIPP in urban locations.
- Project A-2 shall have been completed between 2013 and 2018.

*Project A-2 Description*

Name of Project: \_\_\_\_\_ Location: \_\_\_\_\_

Scope of Work: \_\_\_\_\_

Pipe Sizes: \_\_\_\_\_ Pipe Lengths: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Owner Title: \_\_\_\_\_

Owner Phone Number: \_\_\_\_\_ Bid Amount: \_\_\_\_\_

Final Contract Amount: \_\_\_\_\_

Project Start Date: \_\_\_\_\_ Project End Date: \_\_\_\_\_

Additional Information: \_\_\_\_\_

**If all fields are not completed, the Bid may be at risk for being rejected due to non-responsiveness. It is not acceptable to indicate “See attached”.**

**Project A-3 is to have been completed by the Bidder or their subcontractor.**

- Project A-3 demonstrates construction of a minimum of 1,000 LF by pipe burst construction for sanitary sewer main from 8- through 15-inches.
- Project A-3 demonstrates construction by pipe burst in urban locations.
- Project A-3 shall have been completed between 2013 and 2018.

*Project A-3 Description*

Name of Project: \_\_\_\_\_ Location: \_\_\_\_\_

Scope of Work: \_\_\_\_\_

Pipe Sizes: \_\_\_\_\_ Pipe Lengths: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Owner Title: \_\_\_\_\_

Owner Phone Number: \_\_\_\_\_ Bid Amount: \_\_\_\_\_

Final Contract Amount: \_\_\_\_\_

Project Start Date: \_\_\_\_\_ Project End Date: \_\_\_\_\_

Additional Information: \_\_\_\_\_

DISCLAIMER

The video clips being provided through the FTP site are for the Central Sewershed Package 5 project. Since these videos have been compiled over a period of time, many of the images may be outdated and no longer accurate. The video clips are being made available for the sole purpose of providing historical background information that may assist Respondents in preparing their response to this solicitation. As planning for any project evolves, important aspects often change. This project is no exception. SAWS makes no representations about the accuracy of this information and disclaims any responsibility for its use.

The FTP details will be provided upon return of this form.

AGREED TO:

\_\_\_\_\_

Printed Name

\_\_\_\_\_

Signature

\_\_\_\_\_

Typed/Printed Firm Name

Date: \_\_\_\_\_

**GENERAL SECTION**

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
  - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
  - CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
  - CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
  - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION."
  - CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
- THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS\_CENTER/SPECS. UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.
- THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500, AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 72 HOURS PRIOR TO EXCAVATION.
- LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:  
 SAN ANTONIO WATER SYSTEM:  
 SAWS UTILITY LOCATES: HTTP://WWW.SAWS.ORG/SERVICE/LOCATES  
 COSA DRAINAGE 210-207-8048  
 COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720  
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION.
- ALL WORK IN TEXAS HIGHWAY DEPARTMENT AND COSA RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
- THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- ANY WORK COMPLETED WITHOUT PRIOR WRITTEN AUTHORIZATION WHICH IS NOT INCLUDED IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO WATER SYSTEM.
- HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.  
 WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.  
 ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
- PRE CON SITE VIDEO: BEFORE THE START OF ANY CONSTRUCTION. THE SITE MUST BE VIDEO RECORDED BY THE CONTRACTOR WITH ONE COPY SUBMITTED TO SAWS INSPECTIONS. A PRE-SITE VIDEO WILL PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING CONDITIONS (NSPI).
- POWER POLE BRACING: CONTRACTORS SHOULD BE ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITY POLES ALONG THE PROJECT CORRIDOR. CONTRACTORS SHOULD FURTHER BE ADVISED THAT IF THE DISTANCE FROM THE OUTSIDE FACE OF A UTILITY TRENCH TO THE FACE OF A UTILITY POLE IS LESS THAN 5 FEET, SAID UTILITY POLE IS SUBJECT TO BRACING, BASED ON A DETERMINATION MADE BY UTILITY POLE OWNER. COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANY'S WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.
- CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR SOLE RESPONSIBILITY TO SCHEDULE SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES.

**SEWER SECTION:**

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
  - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT 210-704-SAWS (210-704-7297). PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
  - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
  - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
  - CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
  - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
  - MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISION THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.

SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.
- THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS SPECIFICATION ITEM NO. 864-S1, "BYPASS PUMPING SMALL DIAMETER SANITARY SEWERS" AND ITEM NO. 864-S2, "BYPASS PUMPING LARGE DIAMETER SANITARY SEWERS". PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM "SANITARY SEWER (BYPASS PUMPING)"(LUMP SUM) AS PER SAWS SPECIFICATION.
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST ONE WEEK OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS (NSPI).
- SMART MANHOLE COVERS: THE CONTRACTOR SHALL NOTIFY JUAN C. RAMIREZ AT 210-233-3558 AND SAWS EOC AT 210-704-SAWS (210-233-7297) A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE SMART COVER. ANY DAMAGE DONE TO THE SMART COVER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

**NOTES:**

- CONTRACTOR TO MAINTAIN SEWER SERVICE AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL ALSO MAINTAIN ACCESS TO ALL EXISTING AND PROPOSED WATER VALVES AT ALL TIMES (NSPI).
- NSPI - NOT A SEPARATE PAY ITEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF ALL EXISTING UTILITIES AFFECTED BY PROPOSED CONSTRUCTION.
- TREE REMOVAL IS NOT PERMITTED ON THIS PROJECT. CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING AROUND TREES TO PREVENT DAMAGE. PRIOR TO THE START OF WORK, CALL 207-1111 TO SCHEDULE A PRE-CONSTRUCTION FENCING INSPECTION. TREE PROTECTION IS NSPI.
- CONTRACTORS USING TRENCHLESS CONSTRUCTION METHODS, SUCH AS PIPE BURSTING, THAT CREATE GROUND DISPLACEMENT AND/OR VIBRATIONS AND THEREFORE POSE POTENTIAL FOR DAMAGE TO NEARBY EXISTING UTILITIES ARE RESPONSIBLE FOR PROTECTING THE INTEGRITY OF ALL NEARBY UTILITIES (PUBLIC OR PRIVATE) EITHER SHOWN ON THE PLANS OR DISCOVERED DURING THE CONTRACTOR INVESTIGATIONS REQUIRED IN ARTICLE 5.16.2.2 OF THE GENERAL CONDITIONS. SUCH METHOD OF PROTECTION SHALL FIRST BE REVIEWED AND APPROVED BY THE AFFECTED UTILITY.
- CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE US POSTAL SERVICE.
- EXISTING SEWER LINE DEPTHS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL DEPTHS PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE SIDEWALK AND LANE CLOSURES WITH CITY OF SAN ANTONIO AND TXDOT.
- CONTRACTOR SHALL NOTIFY SAWS INSPECTION AT 210-233-3500 AT LEAST 48-HOURS BEFORE ANY OF THE FOLLOWING ACTIVITIES TAKE PLACE:
  - BYPASS PUMPING SETUP OPERATIONS
  - PRE-TELEVISION INSPECTION
  - PIPE INSTALLATION
- MANHOLE REHABILITATION AND INSTALLATION OF NEW RING, COVER, AND CONCRETE ENCASMENT MUST BE COMPLETED WITH CIPP INSTALLATION OF SEGMENTS PHASED TOGETHER (E.G. LINE A PHASE 1) PRIOR TO MOVING ON TO ANOTHER PHASE.
- CONTRACTOR SHALL BE AWARE THAT THIS PROJECT IS LOCATED IN AN AREA WHERE NUMEROUS SPECIAL EVENTS TAKE PLACE THROUGHOUT THE YEAR. THE DATE OF EVENTS IS NOT CURRENTLY KNOWN, HOWEVER, THE CONTRACTOR SHALL ASSUME THAT NO WORK CAN TAKE PLACE ONE (1) WEEK IN APRIL AND ONE (1) WEEK IN DECEMBER. THIS SHOULD BE TAKEN INTO ACCOUNT WHEN DEVELOPING THE BASELINE SCHEDULE. THE CONTRACTOR WILL BE NOTIFIED OF ANY SPECIAL EVENTS AFFECTING THE WORK AT LEAST 14 DAYS IN ADVANCE.
- CONTRACTOR SHALL BE AWARE THAT PROPOSED CIPP WILL LINE THROUGH MINOR JOINT OFFSETS, MINOR SAGS, MINOR OVALITY, AND OTHER MINOR PIPE DEFECTS. MORE SIGNIFICANT DEFECTS TO BE LINED THROUGH ARE SPECIFICALLY CALLED OUT IN THE PLANS OR ARE PROPOSED TO BE POINT REPAIRED.
- CONTRACTOR SHALL SUBMIT PRE-CCTV TO SAWS AND ENGINEER AND MUST RECEIVE SAWS AND ENGINEER APPROVAL PRIOR TO COMPLETING POINT REPAIRS.
- CONTRACTOR TO UNCOVER BURIED MANHOLES AS REQUIRED (NSPI).
- REFER TO SEQUENCING NOTES ON SHEET 35.
- CONTRACTOR SHALL ONLY PERFORM WORK BETWEEN THE HOURS OF 7PM AND 7AM SUNDAY THROUGH THURSDAY. SEE SUPPLEMENTAL CONDITIONS AND SPECIAL CONDITIONS FOR EXEMPTIONS TO THIS REQUIREMENT.
- BYPASS PUMPING FLOWS WERE CALCULATED USING THE FOLLOWING METHODOLOGY:
  - FLOWS FOR THE 15, 18, 20, AND 24 INCH LINES ARE CALCULATED ASSUMING THE 15-INCH LINE IS FLOWING FULL AT JOSEPHINE
  - FLOWS FOR 8-INCH LINES ARE CALCULATED ASSUMING THE LINES ARE FLOWING FULL.
- PAVEMENT PATCHES FOR MANHOLE REPLACEMENTS ARE ASSUMED TO BE 11' X 11' UNLESS OTHERWISE SHOWN ON THE PLANS.
- CONTRACTOR SHALL BE AWARE THAT AN UNKNOWN SMALL DIAMETER PIPE CROSSES THROUGH LINE D (SHEET 15) AND LINE E (SHEET 19). THE CONTRACTOR SHALL POINT REPAIR THE SEWER MAIN AND THE EXISTING PIPE SHALL BE LIFTED OUT OF CONFLICT.

**WITTE MUSEUM NOTES:**

- LINE E, LINE F, LINE F-1, AND LINE F-2 ARE LOCATED IN AREAS THAT IMPACT THE WITTE MUSEUM.
- CONTRACTOR SHALL CONTACT BRADY HAYNES WITH THE WITTE MUSEUM AT (210) 357-1914 WITHIN AT LEAST 30 DAYS OF AWARD OF CONTRACT. CONTRACTOR SHALL ALSO CONTACT MR. HAYNES AT LEAST 30 DAYS IN ADVANCE BEFORE MOBILIZING TO PERFORM WORK ON ANY OF THESE LINES.
- FLAGGERS ARE REQUIRED FOR WORK TAKING PLACE ON LINE E, LINE F, LINE F-1, AND LINE F-2 (NSPI).
- REFER TO SEQUENCING NOTES ON SHEET 35 AND THE CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.

**CPS ENERGY NOTE:**

- CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN PROJECT AREA.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.
- CONTRACTOR TO FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.

**AT&T NOTES:**

- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE.
- THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-545-6005) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

**TRENCH EXCAVATION SAFETY PROTECTION**

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**NOTE FOR THE CITY OF SAN ANTONIO FLATWORK:**

ALL LIMITS FOR CURB, SIDEWALK, AND TREE PREP BEYOND WHAT IS CONSIDERED INCIDENTAL TO NORMAL UTILITY CONSTRUCTION WILL BE ADDRESSED BY THE SAWS INSPECTOR. SAWS INSPECTOR WILL ALSO DETERMINE IF ADDITIONAL COMPENSATION IS WARRANTED IF LIMITS EXCEED INCIDENTALS.

**VIA BUS NOTES:**

- EXISTING VIA BUS STOPS ARE LOCATED WITHIN THE PROJECT LIMITS AND SHALL NOT BE DISTURBED AS PART OF WATER OR SEWER MAIN CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO NOTIFY VIA AT LEAST 2 WEEKS PRIOR TO BEGINNING CONSTRUCTION. CONTACT MARK SPAULDING AT 210-414-9078 OR ERNEST SWEET AT 210-362-2155 TO COORDINATE.
- ACCESS TO BUS STOPS MUST BE MAINTAINED DURING CONSTRUCTION UNLESS PRIOR WRITTEN APPROVAL HAS BEEN RECEIVED FROM VIA.



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| ADDENDUM NO. 1 | BS       | CB    |          | 07/11/2018 |
|----------------|----------|-------|----------|------------|
| No.            | Revision | Drawn | Approved | Date       |

**REVISIONS**

**CENTRAL SEWERSHED PACKAGE 5**

**GENERAL NOTES**

**DEVELOPER:** \_\_\_\_\_

**CONT.** \_\_\_\_\_ **BUDGET PROJ.** \_\_\_\_\_

**SUBMITTED** \_\_\_\_\_

**APPROVED** \_\_\_\_\_

|                  |            |                              |
|------------------|------------|------------------------------|
| <b>MAP No.</b>   |            | <b>SHEET</b>                 |
| <b>SECT. No.</b> |            | <b>3</b>                     |
| <b>DR.</b>       | <b>CK.</b> | <b>JOB No. 17-4556 Of 72</b> |

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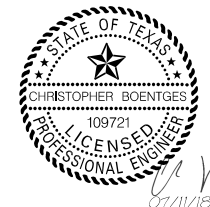
TRAFFIC CONTROL PLAN NOTES

GENERAL TCP NOTES

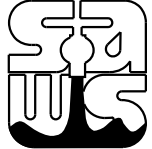
1. THE CONTRACTOR SHALL NOT HAVE EXCLUSIVE USE OF THE RIGHT OF WAY BUT SHALL COOPERATE IN THE USE OF THE RIGHT OF WAY WITH THE CITY OF SAN ANTONIO AND TXDOT AS WELL AS VARIOUS PUBLIC UTILITY COMPANIES AS MAY BE REQUIRED. IN THE EVENT OF UNFORESEEN UTILITY ADJUSTMENTS, THE CONTRACTOR SHALL EXECUTE WORK IN SUCH A MANNER AND SEQUENCE AS TO ALLOW THE ADJUSTMENTS TO BE MADE WITH MINIMAL DISRUPTION TO TRAFFIC.
2. TRAFFIC MUST BE HANDLED APPROPRIATELY THROUGH THE PROJECT DURING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE FOR THE SAFETY AND COMFORT OF THE TRAVELING PUBLIC AT ALL TIMES. THE CONTRACTOR SHALL BE REQUIRED TO GIVE THE TRAVELING PUBLIC AT LEAST 48 HOUR ADVANCE NOTICE OF ANY LANE CLOSURES OR CHANGE IN TRAFFIC FLOW DIRECTION.
3. THE CONTRACTOR'S ATTENTION IS CALLED TO THE NECESSITY OF ERECTING AND MAINTAINING BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS AT ALL APPROACH STREET INTERSECTIONS IN ORDER TO PROPERLY DIRECT TRAFFIC WITHIN THE LIMITS OF THIS PROJECT. ALL SUCH BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS SHALL COMPLY WITH THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
4. CONTRACTOR SHALL PROVIDE FOR THE SAFE MOVEMENT OF ALL PEDESTRIAN TRAFFIC AND BICYCLE TRAFFIC IN AND AROUND THE CONSTRUCTION AREA DURING THE CONSTRUCTION PHASING. ALL SUCH BARRICADES, WARNING SIGNS, AND DIRECTIONAL SIGNS SHALL COMPLY WITH THE LATEST EDITION OF THE TMUTCD.
5. ACCESS TO PROPERTIES AND BUSINESSES ADJACENT TO THE RIGHT OF WAY MUST BE PROVIDED AND MAINTAINED AT ALL TIMES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL PERSONALLY CONTACT THE BUSINESS OR PROPERTY OWNER AT LEAST 5 DAYS IN ADVANCE OF ANY DRIVEWAY CLOSURE. IF THE PROPERTY HAS MORE THAN ONE DRIVEWAY, THEY SHALL BE CLOSED ONLY ONE AT A TIME. IF THE PROPERTY ONLY HAS ONE ACCESS, THE DRIVEWAY SHALL BE CLOSED IN HALF SECTIONS. IF CLOSURE OF A SINGLE ACCESS TO ANY BUSINESS IS REQUIRED FOR UTILITY WORK, THIS ACTIVITY SHALL BE PERFORMED DURING OFF-PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
6. ALL OPEN TRENCHES MUST BE BACKFILLED AT THE END OF EACH WORKING DAY TO ALLOW FOR NON-INTERRUPTED, FREE-FLOW TRAFFIC. METAL PLATES WILL NOT BE ALLOWED TO COVER TRENCHES AT ANYTIME.
7. SEE GENERAL NOTES SHEET FOR ADDITIONAL INFORMATION.
8. WORK WILL ONLY BE ALLOWED BETWEEN THE HOURS OF 7PM AND 7AM SUNDAY THROUGH THURSDAY.
9. ADVANCE WARNING LANE CLOSURE SIGNS SHALL BE COVERED WHEN ALL EXISTING LANES ARE OPEN TO TRAFFIC.
10. THE INFORMATION SHOWN ON THE TCP PLAN SHEETS IS FOR THE ENTIRE PROJECT, HOWEVER, IT IS THE INTENT TO LIMIT TRAFFIC CONTROL TO ONLY THOSE AREAS THAT ARE BEING CONSTRUCTED.
11. CONTRACTOR SHALL PROVIDE DRIVEWAY SIGNS AT EACH DRIVEWAY (NSPI).
12. WATER BALLASTED SYSTEMS (BARRIERS) ARE REQUIRED AT ALL LOCATIONS WITH OPEN CUT EXCAVATION (NSPI).
13. CONTRACTOR SHALL BE AWARE THAT THIS PROJECT IS LOCATED IN AN AREA WHERE NUMEROUS SPECIAL EVENTS TAKE PLACE THROUGHOUT THE YEAR. THE DATE OF EVENTS IS NOT CURRENTLY KNOWN, HOWEVER, THE CONTRACTOR SHALL ASSUME THAT NO WORK CAN TAKE PLACE ONE (1) WEEK IN APRIL AND ONE (1) WEEK IN DECEMBER. THIS SHOULD BE TAKEN INTO ACCOUNT WHEN DEVELOPING THE BASELINE SCHEDULE. THE CONTRACTOR WILL BE NOTIFIED OF ANY SPECIAL EVENTS AFFECTING THE WORK AT LEAST 14 DAYS IN ADVANCE.
14. TRUCK MOUNTED ATTENUATORS (TMA) ARE REQUIRED AT EACH CIPP AND PIPE BURSTING INSERTION AND EXIT POINT (NSPI).
15. FLAGGERS ARE REQUIRED FOR WORK TAKING PLACE ON LINE E, LINE F, LINE F-1, AND LINE F-2 (NSPI).

CONSTRUCTION AND SEQUENCING REQUIREMENTS:

1. CONTRACTOR IS ONLY ALLOWED TO WORK ON ONE "LINE" AT A TIME. WORK AT EACH "LINE" SHALL BE COMPLETE, INCLUDING MANHOLE REHABILITATION, INSTALLATION OF RINGS/COVERS/CONCRETE ENCASEMENT, AND ALL FINAL SITE RESTORATION BEFORE BEGINNING WORK ON ANOTHER "LINE"
2. "LINE A PHASE 1" SHALL BE PHASED SO THAT IT IS CONSTRUCTED LAST.
3. "LINE B" AND "LINE C" MUST BE COMPLETED PRIOR TO ANY FLOWS FROM "LINE A" ARE DIVERTED INTO "LINE C".
4. MAJOR INTERSECTIONS ARE DEFINED AS SIGNALIZED INTERSECTIONS. CONTRACTOR SHALL PROVIDE ALL EXISTING TURNING MOVEMENTS AT MAJOR INTERSECTIONS BY BURYING THE PIPING. FOR PIPE THAT IS BURIED, THE TRENCH MUST BE RESTORED AND MAINTAINED WITH HMAC (NSPI) AND MAY NOT BE TEMPORARILY STEEL PLATED. ELIMINATING TURN MOVEMENTS FOR SHORT DURATIONS MAY BE ALLOWABLE BUT WILL REQUIRE SAWS, THE ENGINEER, COSA, AND TXDOT WRITTEN APPROVAL PRIOR TO BEGINNING WORK. SITUATIONS LIKE THIS WILL BE EVALUATED ON A CASE BY CASE BASIS AND THE CONTRACTOR SHALL NOT MAKE ASSUMPTIONS THAT PERMISSION WILL BE GRANTED. IT IS THE INTENT TO KEEP ALL OTHER INTERSECTIONS OPEN THROUGHOUT THE USE OF ROAD RAMPS, IF FEASIBLE (NSPI).

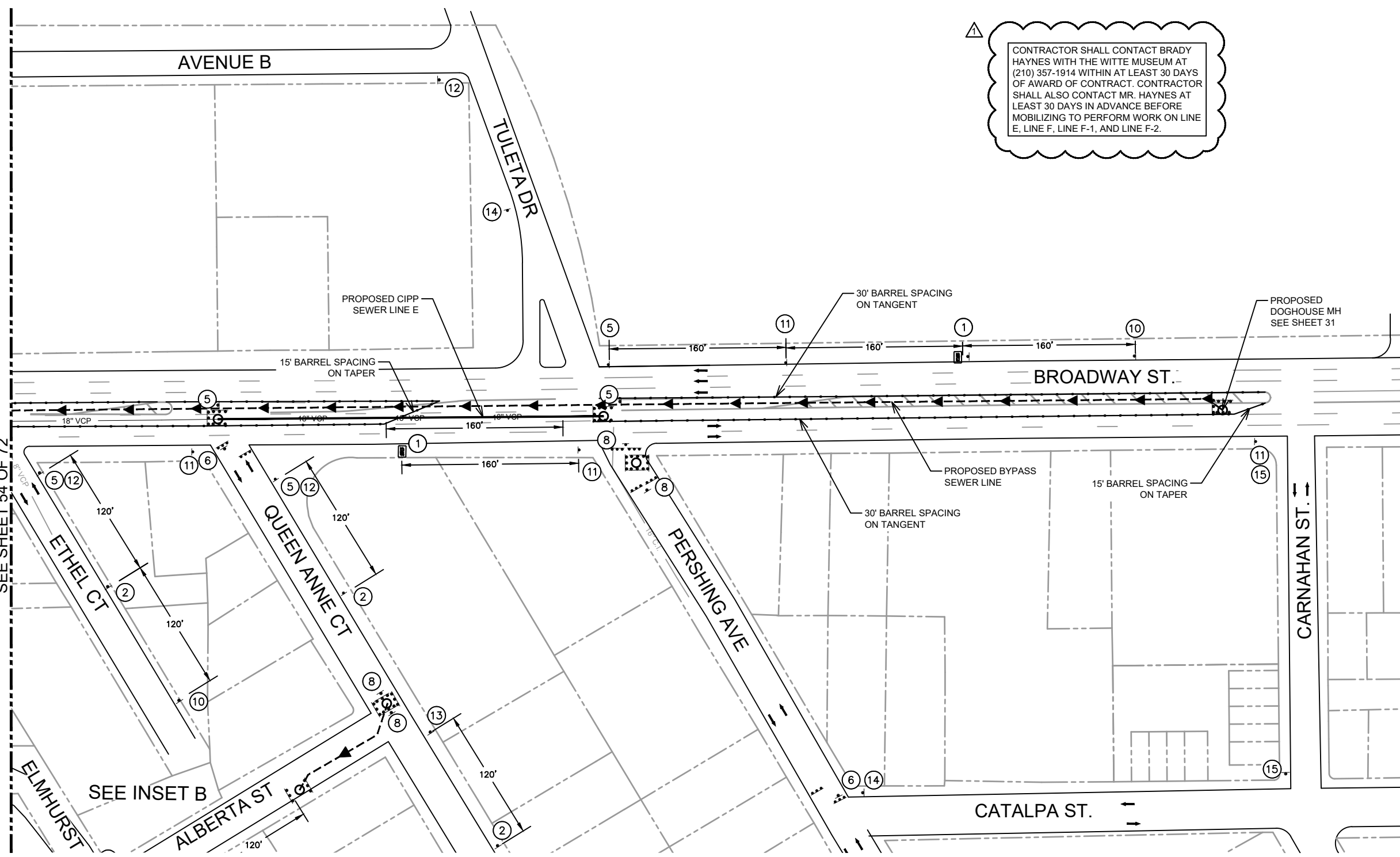


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| ADDENDUM NO. 1  | BS       | CB                                |          | 07/11/2018 |
|---|----------|-----------------------------------|----------|------------|
| No.   | Revision | Drawn                             | Approved | Date       |
| REVISIONS   |          |                                   |          |            |
|  |          | CENTRAL SEWERSHED PACKAGE 5       |          |            |
|   |          | TRAFFIC CONTROL AND PHASING NOTES |          |            |
| DEVELOPER:  |          |                                   |          |            |
| CONT.   |          | BUDGET PROJ.                      |          |            |
| SUBMITTED _____   |          |                                   |          |            |
| APPROVED _____  |          |                                   |          |            |
| MAP No.   |          |                                   |          | SHEET      |
| SECT. No.   |          |                                   |          | 35         |
| DR.   | CK.      | JOB No. 17-4556                   |          | OF 72      |

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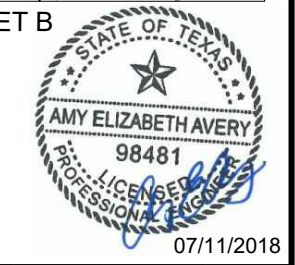
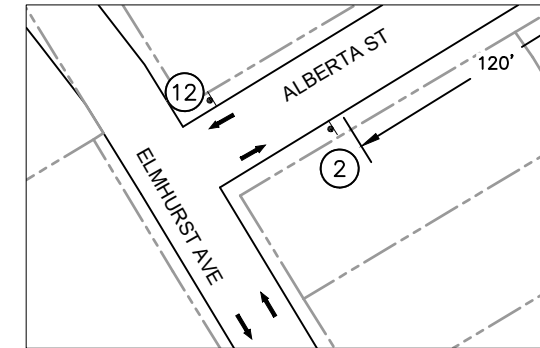


CONTRACTOR SHALL CONTACT BRADY HAYNES WITH THE WITTE MUSEUM AT (210) 357-1914 WITHIN AT LEAST 30 DAYS OF AWARD OF CONTRACT. CONTRACTOR SHALL ALSO CONTACT MR. HAYNES AT LEAST 30 DAYS IN ADVANCE BEFORE MOBILIZING TO PERFORM WORK ON LINE E, LINE F, LINE F-1, AND LINE F-2.

**LEGEND**

- PARCELS
- EXISTING STRIPING
- TEMPORARY SIGN
- BARRICADE TY III
- CHANNELIZING DEVICES
- ➔ TRAFFIC DIRECTION
- ⊠ FLAG PERSON

- NOTES:
- THE CONTRACTOR MAY PROVIDE AN ALTERNATIVE TRAFFIC CONTROL PLAN (TCP) FOR APPROVAL BY THE OWNER OR ITS REPRESENTATIVE. THE TCP MUST BE SIGNED, SEALED, AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS AND SUBMITTED FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION.
  - CONTRACTOR IS TO FOLLOW COSA REQUIREMENT FOR IMPACTED COLLECTOR OR ARTERIAL STREETS, WHICH REQUIRES THE FOLLOWING:
    - SEVEN (7) CALENDAR DAYS PRIOR TO CONSTRUCTION, CONTRACTOR TO DEPLOY ELECTRONIC MESSAGE BOARDS. ELECTRONIC MESSAGE BOARDS MAY BE REMOVED THREE (3) CALENDAR DAYS AFTER THE START OF CONSTRUCTION.
    - THREE (3) CALENDAR DAYS PRIOR TO CONSTRUCTION, CONTRACTOR TO DISTRIBUTE DOOR HANGERS TO IMPACTED RESIDENTS, BUSINESSES, SCHOOLS, AND OTHER PERSONS RESIDING ALONG THE CONSTRUCTION ROUTE.
  - TRAFFIC CONTROL PLANS HAVE NOT BEEN DESIGNED FOR POINT REPAIRS. CONTRACTOR SHALL PROVIDE SUFFICIENT BARRICADES AND PROTECTION IN ACCORDANCE WITH TMTUCD STANDARDS, TO PERFORM NECESSARY POINT REPAIRS. WATER BALLASTED SYSTEMS (BARRIERS) SHALL BE PROVIDED AT EACH LOCATION WITH OPEN CUT EXCAVATION (NSPI).



MATCHLINE A  
SEE SHEET 54 OF 72

MATCHLINE B  
SEE SHEET 56 OF 72

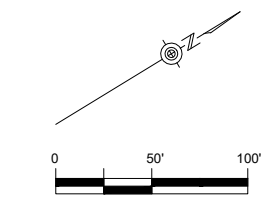
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|---|--------------------------------------|---|---|---|-------------------------------------|---|--------------------------------|---|--|
| ① | EMB ELECTRONIC MESSAGE BOARD         | ④ | R3-2 24" X 24"  | ⑦ | END ROAD WORK G20-2 36" X 18"       | ⑩ | DETOUR AHEAD CW20-2D 30" X 30" | ⑬ | DETOUR M4-9L 30" X 24"                           |
| ② | UTILITY WORK AHEAD CW21-7D 30" X 30" | ⑤ | R3-2 24" X 24"  | ⑧ | ROAD CLOSED R11-2 48" X 30"         | ⑪ | DETOUR M4-9S 30" X 24"         | ⑭ | END DETOUR M4-8A 24" X 18"                       |
| ③ | LEFT LANE CLOSED CW20-5R 30" X 30"   | ⑥ | ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY R11-3a 60" X 30" | ⑨ | ROAD CLOSED AHEAD CW20-3D 30" X 30" | ⑫ | DETOUR M4-9R 30" X 24"         | ⑮ | PERSHING DETOUR M4-12T 36" X 12" M4-9R 30" X 24" |

THE INTERSECTION OF PERSHING AND BROADWAY SHALL REMAIN OPEN AT ALL TIMES EXCEPT DURING INSTALLATION OF LINING AND REHABILITATION OF MH 7477.

CIPP LINING SHALL NOT BE INSERTED THROUGH MH 7477, LOCATED IN THE INTERSECTION OF PERSHING AND BROADWAY

CONTRACTOR SHALL PROVIDE ALL EXISTING TURNING MOVEMENTS AT MAJOR INTERSECTIONS BY BURYING BYPASS PIPING, SEE NOTE 4 OF CONSTRUCTION AND SEQUENCING REQUIREMENTS (SHEET 35).

ALL EXISTING TURNING MOVEMENTS SHALL BE PROVIDED AT THE INTERSECTION OF PERSHING AND BROADWAY AT ALL TIMES.



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|--|-------|----------|------|-----|-----|----------|
| ADDENDUM NO. 1                             |       |          |      | RKC | MAV | 07/11/18 |
| No.  | Drawn | Approved | Date |     |     |          |
| REVISIONS                                  |       |          |      |     |     |          |
| CENTRAL SEWERSHED PACKAGE 5                |       |          |      |     |     |          |
| TRAFFIC CONTROL PLAN SEWER LINE E (2 OF 3) |       |          |      |     |     |          |
| DEVELOPER: _____                           |       |          |      |     |     |          |
| CONT. BUDGET PROJ.                         |       |          |      |     |     |          |
| SUBMITTED _____                            |       |          |      |     |     |          |
| APPROVED _____                             |       |          |      |     |     |          |
| MAP No. _____                              |       |          |      |     |     | SHEET    |
| SECT. No. _____                            |       |          |      |     |     | 55       |
| DR. _____ CK. _____                        |       |          |      |     |     | Of 72    |
| JOB No. 17-4556                            |       |          |      |     |     |          |

CONTRACTOR SHALL CONTACT BRADY HAYNES WITH THE WITTE MUSEUM AT (210) 357-1914 WITHIN AT LEAST 30 DAYS OF AWARD OF CONTRACT. CONTRACTOR SHALL ALSO CONTACT MR. HAYNES AT LEAST 30 DAYS IN ADVANCE BEFORE MOBILIZING TO PERFORM WORK ON LINE E, LINE F, LINE F-1, AND LINE F-2.

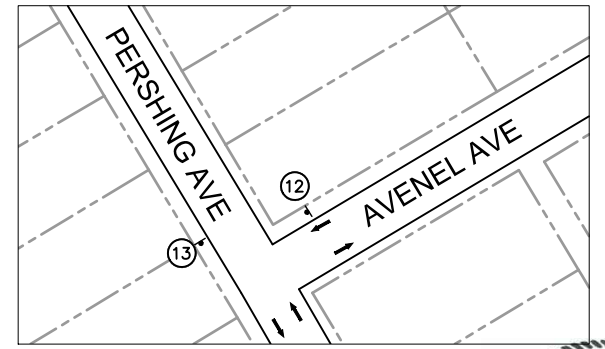
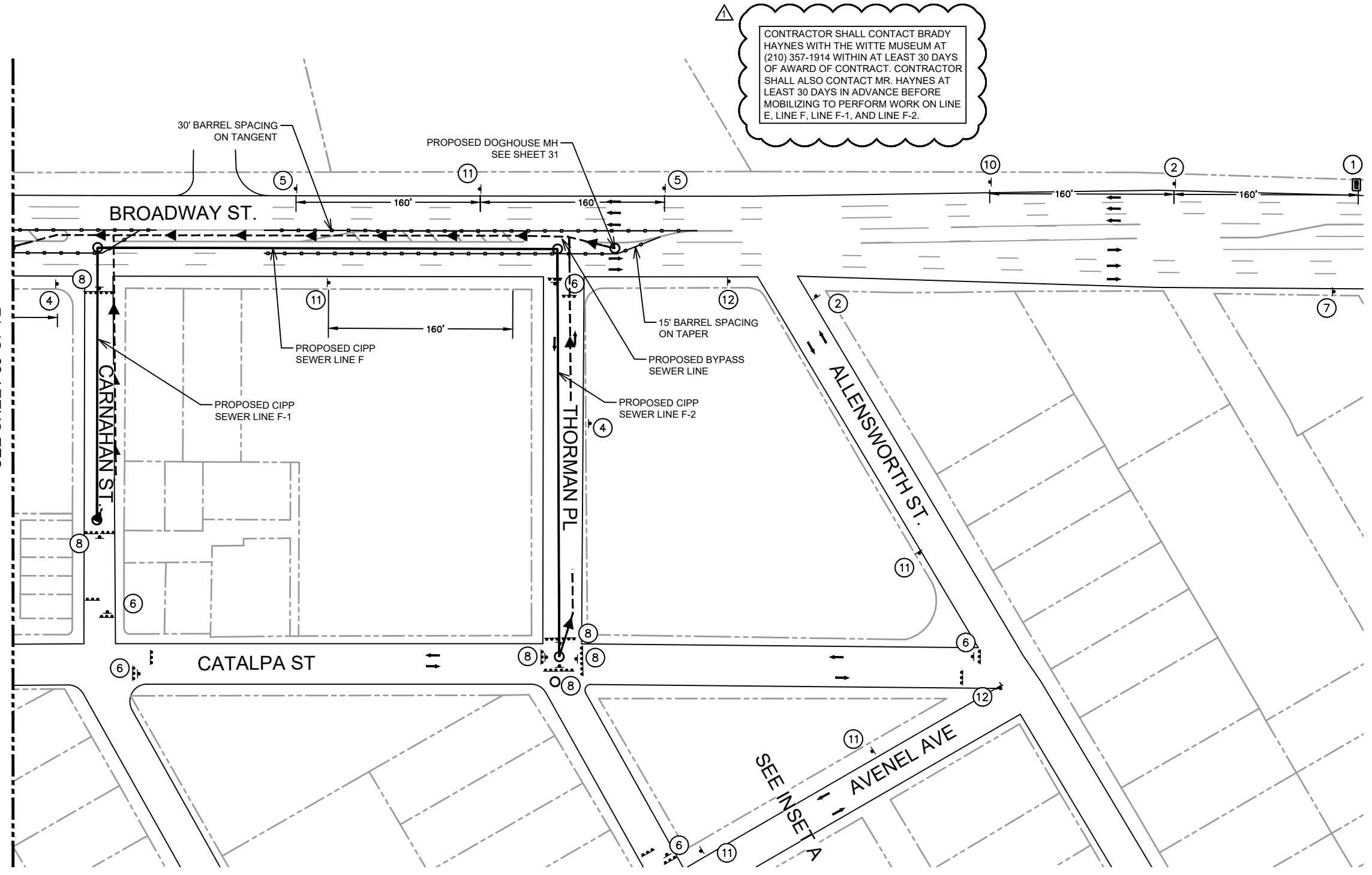
**LEGEND**

- PARCELS
- EXISTING STRIPING
- TEMPORARY SIGN
- BARRICADE TY III
- CHANNELIZING DEVICES
- ➔ TRAFFIC DIRECTION
- ⊠ FLAG PERSON

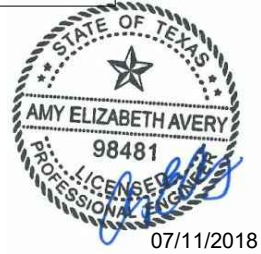
**NOTES:**

1. THE CONTRACTOR MAY PROVIDE AN ALTERNATIVE TRAFFIC CONTROL PLAN (TCP) FOR APPROVAL BY THE OWNER OR ITS REPRESENTATIVE. THE TCP MUST BE SIGNED, SEALED, AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS AND SUBMITTED FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION.
2. CONTRACTOR IS TO FOLLOW COSA REQUIREMENT FOR IMPACTED COLLECTOR OR ARTERIAL STREETS, WHICH REQUIRES THE FOLLOWING:
  - A. SEVEN (7) CALENDAR DAYS PRIOR TO CONSTRUCTION, CONTRACTOR TO DEPLOY ELECTRONIC MESSAGE BOARDS. ELECTRONIC MESSAGE BOARDS MAY BE REMOVED THREE (3) CALENDAR DAYS AFTER THE START OF CONSTRUCTION.
  - B. THREE (3) CALENDAR DAYS PRIOR TO CONSTRUCTION, CONTRACTOR TO DISTRIBUTE DOOR HANGERS TO IMPACTED RESIDENTS, BUSINESSES, SCHOOLS, AND OTHER PERSONS RESIDING ALONG THE CONSTRUCTION ROUTE.
3. TRAFFIC CONTROL PLANS HAVE NOT BEEN DESIGNED FOR POINT REPAIRS. CONTRACTOR SHALL PROVIDE SUFFICIENT BARRICADES AND PROTECTION IN ACCORDANCE WITH TMUTGD STANDARDS, TO PERFORM NECESSARY POINT REPAIRS. WATER BALLASTED SYSTEMS (BARRIERS) SHALL BE PROVIDED AT EACH LOCATION WITH OPEN CUT EXCAVATION (NSPI).

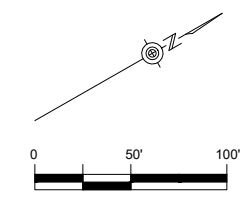
MATCHLINE A  
SEE SHEET 59 OF 72



INSET A



- |  |   |                                       |                                  |                              |
|--|---|---------------------------------------|----------------------------------|------------------------------|
| ① EMB ELECTRONIC MESSAGE BOARD         | ④ R3-2 24" X 24"  | ⑦ END ROAD WORK G20-2 36" X 18"       | ⑩ DETOUR AHEAD CW20-2D 30" X 30" | ⑬ DETOUR M4-9L 30" X 24"     |
| ② UTILITY WORK AHEAD CW21-7D 30" X 30" | ⑤ R3-2 24" X 24"  | ⑧ ROAD CLOSED R11-2 48" X 30"         | ⑪ DETOUR AHEAD M4-9S 30" X 24"   | ⑭ END DETOUR M4-8A 24" X 18" |
| ③ LEFT LANE CLOSED CW20-5R 30" X 30"   | ⑥ ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY R11-3a 60" X 30" | ⑨ ROAD CLOSED AHEAD CW20-3D 30" X 30" | ⑫ DETOUR M4-9R 30" X 24"         |                              |



**Kimley»Horn**  
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|  |                 |          |          |
|--|-----------------|----------|----------|
| ADDENDUM NO. 1                             | RKC             | MAV      | 07/11/18 |
| No.  | Drawn           | Approved | Date     |
| REVISIONS                                  |                 |          |          |
| CENTRAL SEWERSHED PACKAGE 5                |                 |          |          |
| TRAFFIC CONTROL PLAN SEWER LINE F (2 OF 2) |                 |          |          |
| DEVELOPER:                                 |                 |          |          |
| CONT. BUDGET PROJ.                         |                 |          |          |
| SUBMITTED _____                            |                 |          |          |
| APPROVED _____                             |                 |          |          |
| MAP No.                                    | JOB No. 17-4556 |          | SHEET 58 |
| SECT. No.                                  | DR.             | CK.      | Of 72    |

**LEGEND**

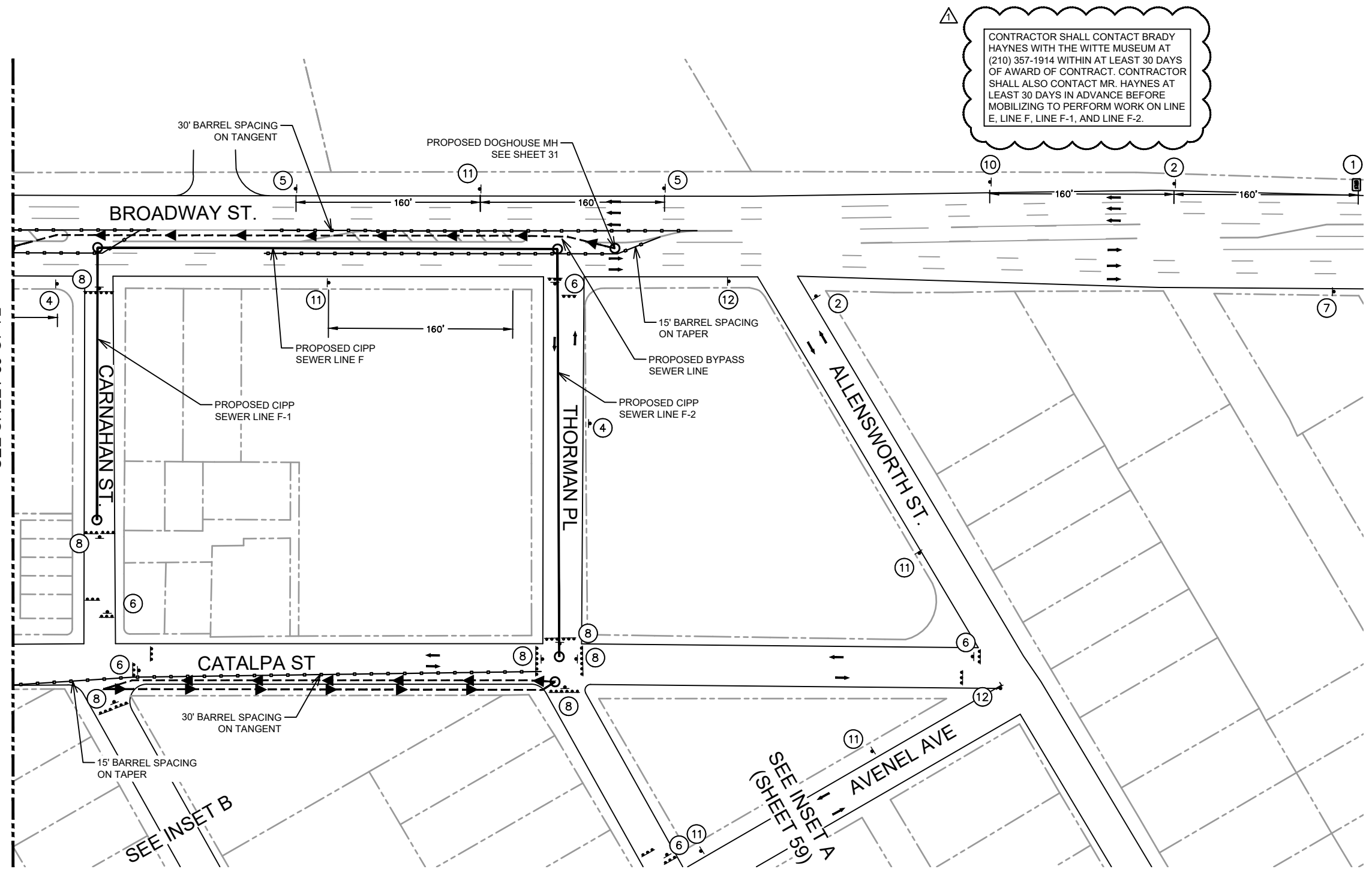
- PARCELS
- EXISTING STRIPING
- TEMPORARY SIGN
- BARRICADE TY III
- CHANNELIZING DEVICES
- ➔ TRAFFIC DIRECTION
- ⊠ FLAG PERSON

**NOTES:**

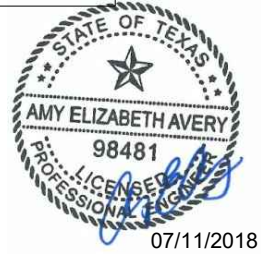
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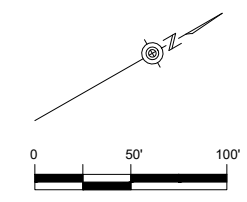
MATCHLINE A  
SEE SHEET 59 OF 72



INSET B



- |  |   |                                       |                                  |                              |
|--|---|---------------------------------------|----------------------------------|------------------------------|
| ① EMB ELECTRONIC MESSAGE BOARD         | ④ R3-2 24" X 24"  | ⑦ END ROAD WORK G20-2 36" X 18"       | ⑩ DETOUR AHEAD CW20-2D 30" X 30" | ⑬ DETOUR M4-9L 30" X 24"     |
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|--|-------|----------|----------|
| ADDENDUM NO. 1   | RKC   | MAV      | 07/11/18 |
| No.  | Drawn | Approved | Date     |
| <b>REVISIONS</b>   |       |          |          |
| CENTRAL SEWERSHED PACKAGE 5<br>TRAFFIC CONTROL PLAN<br>SEWER LINE F-1 & F-2 (2 OF 2) |       |          |          |
| DEVELOPER:   |       |          |          |
| CONT. BUDGET PROJ.   |       |          |          |
| SUBMITTED _____  |       |          |          |
| APPROVED _____   |       |          |          |
| MAP No.  |       |          | SHEET    |
| SECT. No.  |       |          | 60       |
| DR. CK.  |       |          | Of 72    |
| JOB No. 17-4556  |       |          |          |