



CITY OF WACO

Purchasing Services
Post Office Box 2570
Waco, Texas 76702-2570
254 / 750-6640
Fax: 254 / 750-8063
www.waco-texas.com

Date: **10/08/2020**
RFB No: **2020-053**
Commodity: **Dutton Avenue Improvements**

WAS Closing Time: 2:00 P.M., October 13, 2020
Opening Time: 2:01 P.M., October 13, 2020

NOW Closing Time: 2:00 P.M., October 15 2020
Opening Time: 2:01 P.M., October 15, 2020

Bid Opening Location: Purchasing Services Office
1415 N. 4th Street, Waco, TX

Addendum No: 3

The above-mentioned bid invitation has been changed in the following manner. **Sign and return addendum to the Purchasing Office by the closing time and date with your RFB response.** Returning this page signed by your authorized agent will serve to acknowledge this change. All other requirements of the invitation remain unchanged. If you have any questions, please call or stop by the Purchasing Office at the above address.

THE FOLLOWING IS BEING ISSUED AS ADDENDUM NO. 3

PLEASE REVIEW THE FOLLOWING PAGES

- 1. Bid Open/Close Date Extended to October 15, 2020**
- 2. Answer to Questions**
- 3. Revised Bid Sheet**
- 4. Plan Changes**

Firm: _____

Address _____

Signature of Person
Authorized to Sign Bid: _____

Signor's Name and Title
(print or type): _____

Date: _____ Telephone: _____ Fax: _____

Answers to Questions

Q. Bid items 9.02 (18" PVC ASTM D2241) and 9.03 (15" PVC ASTM D2241) are not made. Can we substitute 18" DR25 C900 for the 18" D2241 and 16" DR25 C900 for the 15" D2241?

A. In reference to the below question, 18" C905 DR25 is acceptable for Bid Item 9.02 and 16" C905 DR 25 is acceptable for Bid Item 9.03.

Q. Please clarify item 3.12 – 8" Cement Treated Base – is this pug base? If it is mix in place, what is the cement content? Also, if it is mix in place, should there be a separate item for cement, or would the cement be subsidiary?

A. Yes, Item 3.12-8" Cement Treated Base is Pug Base. The cement is subsidiary to the Bid Item. Please read the City of Waco Engineering Department Standard Specifications for Construction Section 2.3.C Portland Cement Treatment (Pug Base) @ City of Waco Standard Specifications for Construction that is on line. Under Part 1: General B. Submittals 1. Mix Design it states "Prior to construction, the Contractor shall submit a proposed mix design for review and approval by the Engineer. The design data shall include type and amount of Portland cement, source, gradation, and amount of gravel, and compressive strength verification tests. Compressive strength shall be in the range of 500 to 1,200 psi at 7 days."

The intent for the installation of the Cement Treated Base for this project is for the treated material to be imported, installed and compacted.

Q. On sheet 11.04 there are details for surface replacement, but I don't see any bid items set up for this work. Since most of the water and wastewater work is in the roadway there would be quite a lot of it needed. How is this to be paid for?

A. Please follow the Trench Backfill Guidelines on Sheet 11.05 G-8 for Standard Trench for (All Areas Subject to Influence of Traffic) except as follows: The Contractor will need to place 11-inches of Flowable Fill (per City of Waco Specifications) in the top 11-inches of the trench protection that matches the existing pavement surface elevation. Payment for the embedment, backfill and Flowable Fill placement will be paid by the linear foot of piping. Areas outside the specified trench width design will be the responsibility of the Contractor and will not receive extra payment.

RFB2020-050 Addendum 3

BID PROPOSAL CITY OF WACO DUTTON AVENUE IMPROVEMENTS 11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
1.00 GENERAL					
1.01	Mobilization, Bonding, and Insurance	1	LS		
1.02	Stormwater Pollution Prevention Plan	1	LS		
1.03	Stormwater Pollution Prevention Plan Implementation	1	LS		
1.04	Trench Safety Plan	1	LS		
1.05	Traffic Control Plan	1	LS		
1.06	Traffic Control Plan Implementation	1	LS		
1.07	Coordination of Utility installations with Private Utility Companies	1	LS		
1.08	Provide Red-Line As-Builts of the Project	1	LS		
SUBTOTAL \$					
2.00 DEMOLITION					
2.01	Preparation of the Right-of-Way including any Necessary Tree Removal, Tree Trimming or any other Material necessary for Clearing, Removal and Disposal, Complete for	51	STA		
2.02	Remove & Dispose of Reinforced Concrete Curb & Gutter or Reinforced Concrete Curb or Gutter including saw cut, Complete for	1,470	LF		
2.03	Remove & Dispose of Reinforced Concrete Sidewalk and/or Concrete Flat Work including saw cut, Complete for	573	SY		
2.04	Remove & Dispose of Reinforced Concrete Driveways/Approaches including saw cut, Complete for	355	SY		
2.05	Remove & Relocate Mailbox and Pole during construction activities, including all materials, labor, equipment & incidentals, Complete for	9	EA		
2.06	Remove and Retain Directional, informational or Street Signs with poles for reinstallation, including all materials, labor, equipment & incidentals, Complete for	10	EA		
2.07	Provide 3-inch Depth HMAC/Base Milling and Disposal, including all HMAC saw cut, labor, equipment and incidentals, Complete for	3,161	SY		
2.08	Provide 3.5-inch Depth HMAC/Base Milling and Disposal, including all HMAC saw cut, labor, equipment and incidentals, Complete for	7,874	SY		
2.09	Provide 6-inch Depth HMAC/Base/CTB Milling and Disposal, including all HMAC saw cut, labor, equipment and incidentals, Complete for	10,845	SY		
2.10	Remove & Dispose of HMAC in the existing gutter of Concrete Curb & Gutter, including all labor, equipment and incidentals, Complete for	3,130	LF		
2.11	Provide Removal and Disposal of Steel Bollards, including all labor, equipment and incidentals, Complete for	3	EA		
2.12	Excavation and Disposal of Existing Pavement Structure (11-inches) from Station 17+23 to Station 25+64.32 (Right side of street) including all labor, equipment, and incidentals. Complete for	702	CY		
SUBTOTAL \$					
3.00 ROADWAY IMPROVEMENTS					
3.01	2-inch Hot Mix Asphaltic Pavement Course Type "D" including tack coat, including all material, labor, saw cut, equipment and incidentals, Complete and in Place for	10,845	SY		
3.02	3-inch Hot Mix Asphaltic Pavement Course Type "D" including application of spray applied underseal or TRAIL including all material, labor, saw cut, equipment and incidentals, Complete and in Place for	13,322	SY		
3.03	4-inch Hot Mix Asphaltic Pavement Course Type "B" including application of spray applied underseal or TRAIL including all material, labor, saw cut, equipment and incidentals, Complete and in Place for	10,845	SY		

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BID PROPOSAL

CITY OF WACO

DUTTON AVENUE IMPROVEMENTS

11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
3.04	4-inch Hot Mix Asphaltic Pavement Course Type "D" placed under proposed concrete curb & gutter including all material, subgrade preparation, labor, saw cut, equipment and incidentals, Complete in Place for	2,484	LF		
3.05	Base Failure Repair, including excavation of unsuitable base, subgrade preparation, placement of Type "B" HMAC and all materials, labor, saw cut, equipment and incidentals, Complete and in Place for	200	SY		
3.06	Standard Curb & Gutter, including reinforcement, connections to existing curb & gutter and all materials, labor saw cut, equipment and incidentals, Complete and in Place for	2,484	LF		
3.07	6-inch Concrete Flatwork, including reinforcement, any necessary excavation & subgrade preparation, connection to existing sidewalk, other pavement and all material, labor, saw cut, equipment and incidentals, Complete and in Place for	100	SY		
3.08	Reinstallation of Existing Mailbox, including foundation, pole and all material, labor, equipment and incidentals, Complete and in Place for	9	EA		
3.09	Reinstallation of Existing Directional, informational and Street Signs, including foundation, pole and all material, labor, equipment and incidentals, Complete and in Place for	10	EA		
3.10	Adjust Wastewater and Stormwater Manhole Covers to Finished Grade including all materials, labor, concrete collar and all equipment, Complete and in Place for	22	EA		
3.11	Adjust Water Valve Boxes to Finished Grade including all materials, labor, concrete collar and all equipment, Complete and in Place for	33	EA		
3.12	Provide and Install 8-inch Depth Cement Treated Base including all material, processing, compacting, labor, equipment and incidentals, Complete and in Place for	2,287	SY		
3.13	Install 5-inch Depth Concrete Sidewalks with Construction Joints, Tooled Joints, Connections to Curb & Gutter and all materials, labor, equipment and incidentals, Complete and in Place for	620	SY		
SUBTOTAL \$					
4.00 BRIDGE APPROACH					
4.01	Provide & install OM3-L or OM3-R Object Markers with metal pole and foundation, including all material, labor, equipment and incidentals, Complete and in Place for	4	EA		
4.02	Provide & install OM2-2V Object Markers with metal pole and foundation, including all material, labor, equipment and incidentals. Complete and in Place for	20	EA		
4.03	Provide & install Type 7 Pedestrian Ramp with detectable warning surface and concrete flares including all labor, saw cut, equipment and incidentals, Complete and in Place for	1	EA		
4.04	Reinstallation of Existing Directional, informational and Street Signs, including foundation, pole and all materials, labor, saw cut, equipment and incidentals, Complete and in Place for	1	EA		
4.05	Construct 8-inch width sidewalk to Ditch Type "T" including reinforcement, any necessary excavation, fill and subgrade preparation, connection to proposed sidewalk, labor, saw cut, equipment, and incidentals, Complete and in Place for	81	EA		
SUBTOTAL \$					
5.00 DRIVEWAY REPLACEMENTS					
5.01	6-inch Concrete Drive Approach , including reinforcement, any necessary excavation & subgrade preparation, connection to existing concrete paving or other pavement, labor, saw cut, equipment and incidentals, Complete and in	542	SY		
SUBTOTAL \$					
6.00 PEDESTRIAN RAMPS					

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CITY OF WACO

DUTTON AVENUE IMPROVEMENTS

11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
6.01	Provide & install Type 10 Pedestrian Ramp with detectable surface & base, 5-inch depth concrete, concrete curbs, reinforcement including necessary excavation & subgrade preparation and all materials, labor, saw cut, equipment and incidentals, Complete and in Place for	7	EA		
SUBTOTAL \$					
7.00 STRIPING					
7.01	Reflective Pavement Marking Type 1, Color: White, Width: 4", Solid, 100 Mil including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	4,340	LF		
7.02	Reflective Pavement Marking Type 1, Color: White, Width: 4", Broken, 100 Mil including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	1,200	LF		
7.03	Reflective Pavement Marking Type 1, Color: Yellow, Width 4", Double Solid, 100 MIL including all pavement preparation and all material, labor, equipment and incidentals, complete and in Place for	4,480	LF		
7.04	Reflective Pavement Marking Type 1, Color: White, Width 24", Solid, 100 MIL (Stop Bar) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	230	LF		
7.05	Reflective Pavement Marking Type 1, Color: White, Width 24", Solid, 100 MIL (Crosswalk) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	164	LF		
7.06	Reflective Pavement Marking Type 1, Color: White, Width 12", Solid, 100 MIL (School Zone Bar) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	172	LF		
7.07	Reflective Pavement Marking Type 1, Color: Yellow, Width 24", Solid, 100 MIL (Gore Striping) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	140	LF		
7.08	Raised Yellow Reflective Pavement Markers, Type I-A, Complete and in Place for	379	EA		
7.09	Raised White Reflective Pavement Marker, Type I-C, Complete and in Place for	170	EA		
7.10	Reflective Pavement Marking Type 1, Color: White, 100 MIL (Arrows - Straight/Right Combination) including all pavement preparatiion and all materials, labor, equipment, and incidentals, Complete in Place For	1	EA		
7.11	Reflective Pavement Marking Type 1, Color: White, 100 MIL (Arrows - Straight, Right, or Left) including all pavement preparatiion and all materials, labor, equipment, and incidentals, Complete in Place For	1	EA		
7.12	Refresh Reflective Pavement Marking Type 1, Color: White, Width: 6", Solid, 100 Mil including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	300	LF		
7.13	Refresh Reflective Pavement Marking Type 1, Color: White, Width: 4", Broken, 100 Mil including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	340	LF		
7.14	Refresh Reflective Pavement Marking Type 1, Color: Yellow, Width 4", Double Solid, 100 MIL including all pavement preparation and all material, labor, equipment and incidentals, complete and in Place for	1,000	LF		

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BID PROPOSAL

CITY OF WACO

DUTTON AVENUE IMPROVEMENTS

11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
7.15	Refresh Reflective Pavement Marking Type 1, Color: White, Width 24", Solid, 100 MIL (Stop Bar) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	110	LF		
7.16	Refresh Reflective Pavement Marking Type 1, Color: White, Width 24", Solid, 100 MIL (Crosswalk) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	140	LF		
7.17	Refresh Reflective Pavement Marking Type 1, Color: Yellow, Width 24", Solid, 100 MIL (Gore Striping) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	200	LF		
7.18	Refresh Reflective Pavement Marking Type 1, Color: White, 100 MIL (Arrows- Left, Right, or Straight) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	8	EA		
7.19	Refresh Reflective Pavement Marking Type 1, Color: White, 100 MIL (Arrows- Straight/Right Combination) including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	2	EA		
7.20	Refresh Reflective Pavement Marking Type 1, Color: White, 100 MIL, Word "ONLY" including all pavement preparation and all material, labor, equipment and incidentals, Complete and in Place for	10	EA		
7.21	Provide and Install 2-3/8" Diameter Galvanized Steel Post and Foundation including all material, labor, equipment and incidentals, Complete and in Place for	2	EA		
7.22	Provide and Install two 24" x 24" Aluminum Signs: (W9-2T) (Lane Ends Merge Left) and (W9-1) (Right Lane Ends), Complete and in Place for	2	EA		
SUBTOTAL \$					
8.00 WATER					
8.01	Provide and install 8-inch Diameter C900 PVC Water Line including Thrust Restraint, Complete For	3,040	LF		
8.02	Provide and install 16-inch Diameter Steel Encasement by Open Cut, Complete in Place For	360	LF		
8.03	For Providing and installing 8-inch Gate Valve including Collar, Complete in Place for	21	EA		
8.04	For Providing and installing 4-inch Gate Valve including Collar, Complete in Place For	1	EA		
8.05	Provide and install 8" x 8" Tee, Complete For	10	EA		
8.06	Provide and install 8-inch Cap, Complete For	6	EA		
8.07	Provide and install 6-inch Cap, Complete For	1	EA		
8.08	Provide and install 4-inch Cap, Complete For	2	EA		
8.09	Provide and install 8-inch Plug, Complete For	2	EA		
8.10	Provide and install 8" x 6" Ductile Iron Reducer, Complete For	4	EA		
8.11	Provide and install 8" x 4" Ductile Iron Reducer, Complete For	2	EA		
8.12	Provide and install Ductile Iron Fittings (45°, 22.5° 11.25° Bends), 8-inch Diameter, Complete For	55	EA		
8.13	For Furnishing and installing Standard Fire Hydrant Assembly, Complete in Place For	6	EA		
8.14	For Connecting to Existing 8" Water Line, Complete in Place For	8	EA		
8.15	For Connecting to Existing 6" Water Line, Complete in Place For	4	EA		
8.16	For Connecting to Existing 4" Water Line, Complete in Place For	2	EA		
8.17	Connect Proposed 4" Fire Line to Existing Vault, Complete in Place For	1	EA		
8.18	For Furnishing and installing New 2" Water Service Line including Meter Box and 1" Connection, Complete in Place	35	EA		

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BID PROPOSAL CITY OF WACO DUTTON AVENUE IMPROVEMENTS 11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
8.19	For Furnishing and installing New 2" Water Service including Meter Box and 2" Connection, Complete in Place For	7	EA		
8.20	Provide and install 2-inch Diameter Water Service Line, Complete For	1,300	LF		
8.21	For Furnishing and installing New Fire Service Line Connection Complete in Place For	1	EA		
8.22	Provide and install 4-inch Diameter Fire Service Line, Complete For	50	LF		
8.23	Sawcut/Remove Existing, and Furnish and install Concrete Pavement Replacement, Complete For	30	SY		
8.24	Sawcut/Remove Existing, and Furnish and install Curb and Gutter Replacement, Complete For	10	LF		
8.25	For Cutting and Capping Existing 8" Waterline to be Abandoned in Place, Complete For	8	EA		
8.26	For Cutting and Capping Existing 6" Waterline to be Abandoned in Place, Complete For	3	EA		
8.27	For Cutting and Capping Existing 4" Waterline, Complete For	2	EA		
8.28	Fill Existing 8" Water Line with Grout (To Be Abandoned in Place) including all materials, labor, equipment, and incidentals, Complete and in Place For	380	LF		
8.29	Fill Existing 6" Water Line with Grout (To Be Abandoned in Place) including all materials, labor, equipment, and incidentals, Complete and in Place For	3,140	LF		
8.30	Existing 4" Water Line to be Removed & Disposed of including all material, labor, equipment, and incidentals Complete in Place For	30	LF		
8.31	Existing Fire Hydrant to be Removed & Retained by the City of Waco including all material, labor, equipment, and incidentals, Complete and in Place For	6	EA		
8.32	Removal and Disposal of Existing Gate Valves & Risers (All Sizes) including all material, labor, equipment, and incidentals, Complete and in Place For	20	EA		
8.33	Implement and Follow Trench Safety Plan (Pipe), Complete For	3,040	LF		
8.34	Furnish and Install Sampling Stations for Microbiological Testing in accordance with AWWA C-651, including taking necessary samples & providing certified lab results, Complete For	1	LS		
8.35	Furnish and Install Temporary Flush Assemblies, Complete For	1	LS		
8.36	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Pressure Testing Water Pipe, Including Any Necessary Repairs, Flushing and Sampling, Complete For	1	LS		
8.37	Flowable Backfill, Complete For	600	CY		
8.38	Sawcut & Pavement Removal of Existing Concrete Roadway, Complete For	350	LF		
8.39	Sawcut & Pavement Removal of Existing HMAC Roadway, Complete For	8,500	LF		
SUBTOTAL \$					
9.00 WASTEWATER					
9.01	Provide and install 18-inch Diameter PVC ASTM D3034 SDR-26 Wastewater Line, Complete For	45	LF		
9.02	Provide and install 18-inch Diameter PVC ASTM D2241 SDR-26 Pressure Pipe Wastewater Line	305	LF		
9.03	Provide and install 15-inch Diameter PVC ASTM D2241 SDR-26 Pressure Pipe Wastewater Line	40	LF		
9.04	Provide and install 10-inch Diameter PVC ASTM D3034 SDR-26 Wastewater Line, Complete For	450	LF		
9.05	Provide and install 10-inch Diameter PVC ASTM D2241 SDR-26 Pressure Pipe Wastewater Line	225	LF		
9.06	Provide and install 8-inch Diameter PVC ASTM D3034 SDR-26 Wastewater Line, Complete For	110	LF		

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BID PROPOSAL CITY OF WACO DUTTON AVENUE IMPROVEMENTS 11th STREET TO 26th STREET

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
9.07	Provide and install 8-inch Diameter PVC ASTM D2241 SDR-26 Pressure Pipe Wastewater Line	210	LF		
9.08	Provide and install Concrete Encasement	20	LF		
9.09	4' Diameter Manhole including Collar	8	EA		
9.10	6' Diameter Manhole including Collar	6	EA		
9.11	Furnish and Install New 4" Sewer Service including Cleanout, Complete For	4	EA		
9.12	Provide and Install 4-inch Diameter Wastewater Service Line, Complete For	140	LF		
9.13	Furnish and Install New 6" Sewer Service including Cleanout, Complete For	2	EA		
9.14	Provide and Install 6-inch Diameter Wastewater Service Line, Complete For	80	LF		
9.15	For Connecting to Existing 18" Wastewater Line, Complete in Place For	1	EA		
9.16	For Connecting to Existing 15" Wastewater Line, Complete in Place For	1	EA		
9.17	For Connecting to Existing 10" Wastewater Line, Complete in Place For	1	EA		
9.18	For Cutting and Capping Existing 10" Wastewater Line, Complete in Place For	1	EA		
9.19	For Constructing Concrete Cap, Complete in Place For	200	LF		
9.20	For Connecting to Existing Manhole, Complete in Place For	1	EA		
9.21	Cut, Plug and Fill Existing 18" Wastewater Line with Grout (To Be Abandoned in Place) including all material, labor, equipment, and incidentals, Complete in Place For	80	LF		
9.22	Cut, Plug and Fill Existing 15" Wastewater Line with Grout (To Be Abandoned in Place) including all material, labor, equipment, and incidentals, Complete in Place For	310	LF		
9.23	Cut, Plug and Fill Existing 10" Wastewater Line with Grout (To Be Abandoned in Place) including all material, labor, equipment, and incidentals, Complete in Place For	670	LF		
9.24	Cut, Plug and Fill Existing 6" Wastewater Line with Grout (To Be Abandoned in Place) including all material, labor, equipment, and incidentals, Complete in Place For	325	LF		
9.25	Existing 18" Wastewater Line to be Removed & Disposed of including all material, labor, equipment, and incidentals, Complete in Place for	65	LF		
9.26	Remove Existing Manhole including all material, labor, equipment, and incidentals, Complete in Place For	8	EA		
9.27	Provide and install 26' by 12' Storm Water Conflict Box	1	LS		
9.28	Implement and Follow Trench Safety Plan (Pipe), Complete For	1,385	LF		
9.29	Implement and Follow Trench Safety Plan (Manholes), Complete For	4,640	LF		
9.30	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Deflection Testing of All Proposed Wastewater Lines, Including Any Necessary Repairs, Complete For	1	LS		
9.31	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Air Testing of All Proposed Wastewater Lines, Including Any Necessary Repairs, Complete For	1	LS		
9.32	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Vacuum Testing of All Proposed Wastewater Manholes, Including Any Necessary Repairs, Complete For	1	LS		
9.33	Sawcut & Pavement Removal of Existing Concrete Roadway, Complete For	260	LF		
9.34	Sawcut & Pavement Removal of Existing HMAC Roadway, Complete For	3,000	LF		
9.35	Video Newly Constructed Wastewater Lines.	1	LS		
9.36	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Removal and Installation of 10 ft of 6" Wastewater Line, Including non-shear couplings, Complete	1	EA		

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**BID PROPOSAL
CITY OF WACO
DUTTON AVENUE IMPROVEMENTS
11th STREET TO 26th STREET**

PROPOSAL BID NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	EXTENSION TOTAL
9.37	For Furnishing All Materials, Equipment, Tools and Labor Necessary for Removal and Installation of 5 ft of 8" Wastewater Line, Including non-shear couplings, Complete	3	EA		
9.38	Video Repaired Sections of Wastewater Lines.	1	LS		
				SUBTOTAL \$	

TOTAL BID AMOUNT \$ _____

Contractor acknowledges and agrees that the official TOTAL AMOUNT OF BID is determined by multiplying the unit bid prices by the respective estimated quantities shown in this bid proposal and then totaling all of the extended amounts. Extended amounts SHOULD NOT be rounded up or down. All dollar amounts should be either written legibly or typed. Any mistakes should be rewritten and initialed by the Contractor.

FIRM NAME: _____

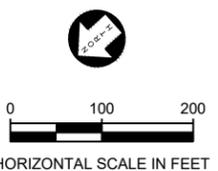
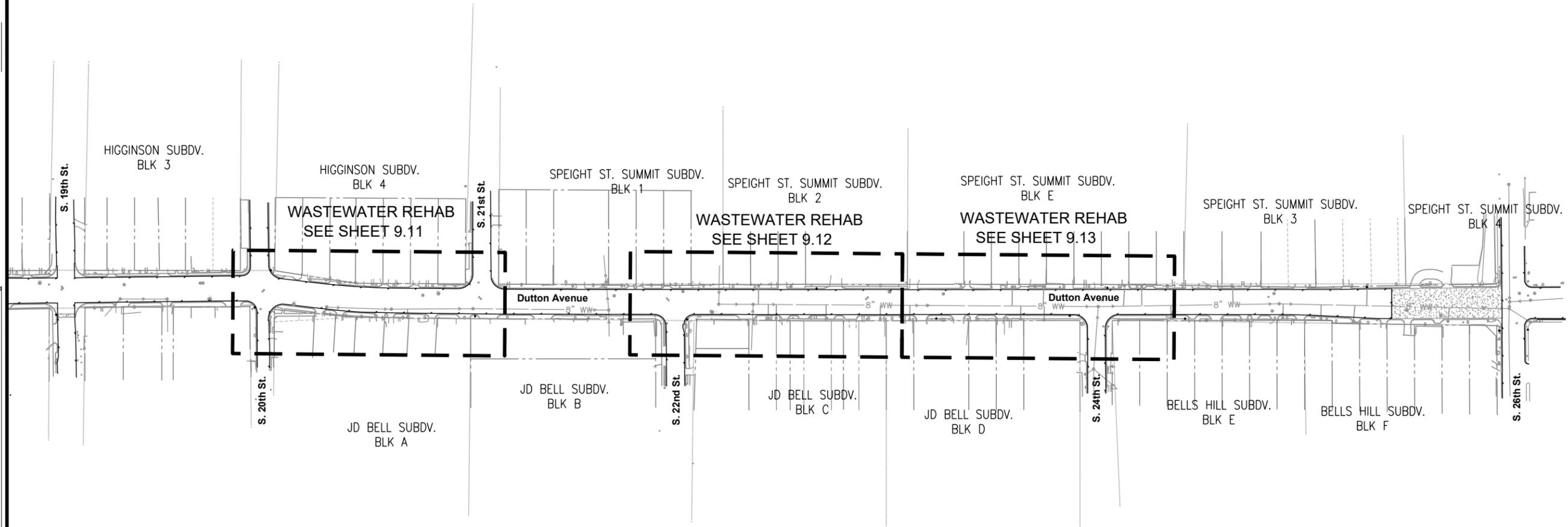
BY (SIGNED): _____

TITLE: _____

ADDRESS: _____

LAYOUT: WW ADALT

FILE: P:\Waco\2019\19-165 Dutton Avenue\CAD\BASE\100SHEETS\100SHEETS OVERALL WASTEWATER WATER PLAN ADALT.dwg



NO.	DATE	REVISION	BY

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KPA Firm Registration Number F-510

Plot Date: 10/1/20
Plotted By: BBAKER

PROJECT NO. 2019-165
DRAWN BY BRIAN V. BAKER
DESIGNED BY GINGER R. TOLBERT, P.E.
APPROVED BY *Ginger R. Tolbert*
DATE 10/1/2020

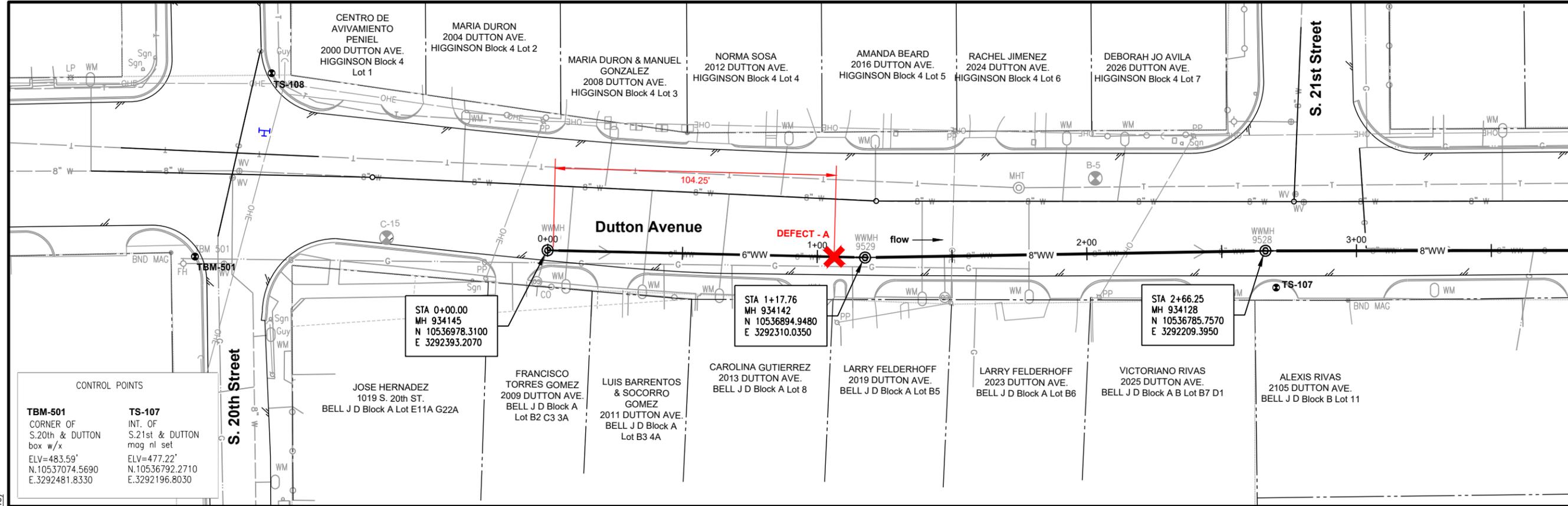


KASBERG, PATRICK & ASSOCIATES, LP
CONSULTING ENGINEERS
TEMPLE, TEXAS 76501

CITY OF WACO, TEXAS
DUTTON AVENUE IMPROVEMENTS
11th STREET TO 26th STREET
PROPOSED WASTEWATER IMPROVEMENTS
WASTEWATER LAYOUT - POINT REPAIR

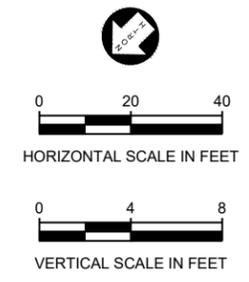
SHEET NO.
9.10

!!!WARNING!!!
 THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND AVOIDING ALL EXISTING UTILITIES BY CALLING THE 'ONE CALL' LOCATOR SERVICE AT (800)344-8377 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



REPAIR:
 REMOVE AND INSTALL 10 ft. OF 6" WASTEWATER LINE, INCLUDING ADJUSTABLE REPAIR CLAMPS AS NECESSARY.

DEFECT - A: A hole is present with a void, as well as cracks branching from the defect to run along the pipe on either sides. The hole is located at 104.25 feet from MH 934145.



LAYOUT: Sheet - (46)
 FILE: P:\Waco\2019\2019-165 Dutton Avenue\CAD\BASE\BDD DUTTON UTILITY 4.dwg

NO.	DATE	REVISION	BY

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 KPA Firm Registration Number F-510

Plot Date: 10/1/20
 Plotted By: BBAKER

PROJECT NO. 2019-165
 DRAWN BY BRIAN V. BAKER
 DESIGNED BY GINGER R. TOLBERT, P.E.
 APPROVED BY *Ginger R. Tolbert*
 DATE 10/1/2020



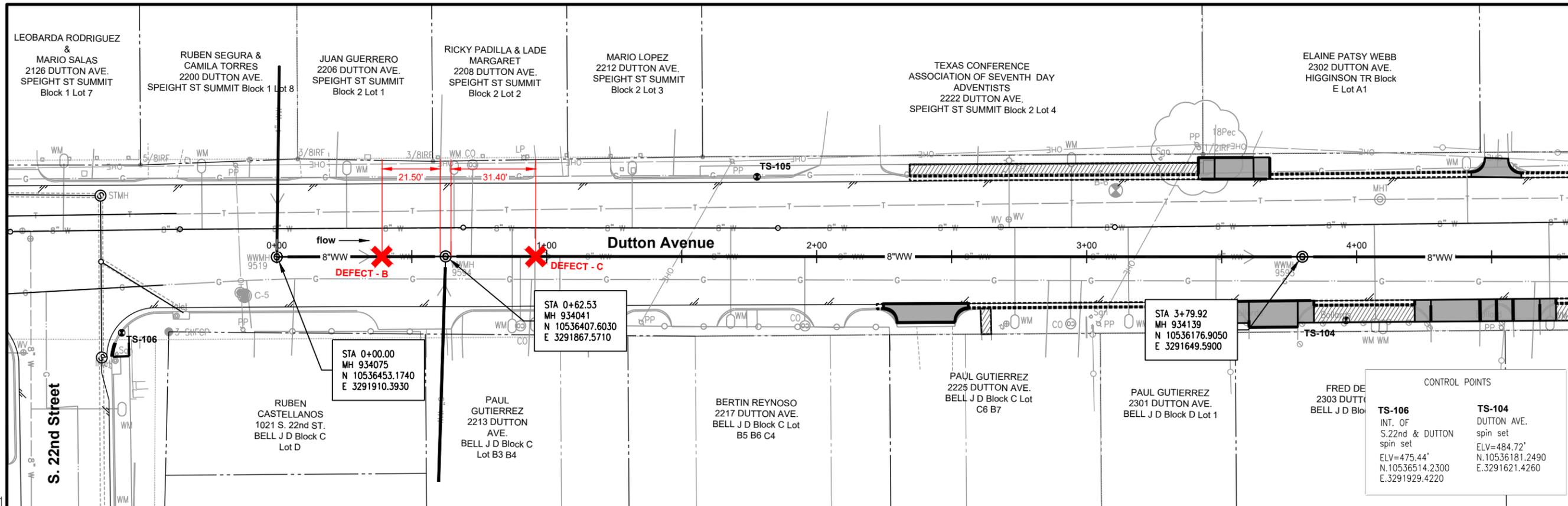
KPA
 KASBERG, PATRICK & ASSOCIATES, LP
 CONSULTING ENGINEERS
 TEMPLE, TEXAS 76501

CITY OF WACO, TEXAS
 DUTTON AVENUE IMPROVEMENTS
 11th STREET TO 26th STREET
 PROPOSED WASTEWATER IMPROVEMENTS
 POINT REPAIR
 DUTTON AVE, BETWEEN 20TH AND 21ST STREETS

SHEET NO.
9.11

LAYOUT: Sheet - (42)

FILE: P:\Waco\2019\2019-165 Dutton Avenue\CAD\BASE\BDD DUTTON UTILITY 4.dwg



!!!WARNING!!!
 THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND AVOIDING ALL EXISTING UTILITIES BY CALLING THE 'ONE CALL' LOCATOR SERVICE AT (800)344-8377 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



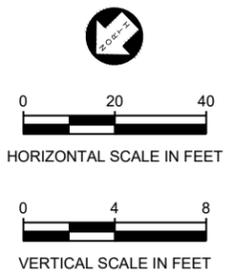
REPAIR DEFECT - B:
 REMOVE AND INSTALL 5 ft. OF 8" WASTEWATER LINE, INCLUDING ADJUSTABLE REPAIR CLAMPS AS NECESSARY.

REPAIR DEFECT - C:
 REMOVE AND INSTALL 5 ft. OF 8" WASTEWATER LINE, INCLUDING ADJUSTABLE REPAIR CLAMPS AS NECESSARY.



DEFECT - C: Gasket is showing at 31.40 feet from MH 934041.

DEFECT - B: Gasket is showing at 21.50 feet from MH 934041.



NO.	DATE	REVISION	BY

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Plot Date: 10/1/20
 Plotted By: BBAKER

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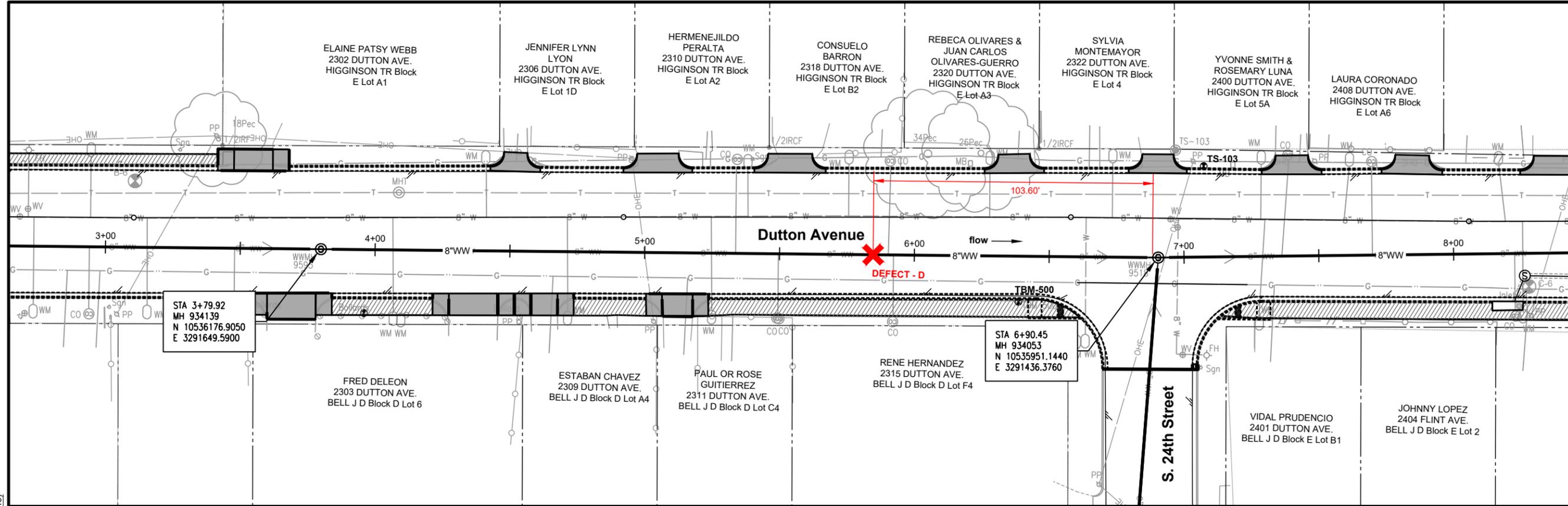


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CITY OF WACO, TEXAS
 DUTTON AVENUE IMPROVEMENTS
 11th STREET TO 26th STREET
 PROPOSED WASTEWATER IMPROVEMENTS
 POINT REPAIR
 DUTTON AVE, NEAR 22ND STREET

SHEET NO. 9.12

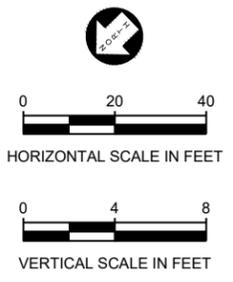
!!!WARNING!!!
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REPAIR DEFECT - D:
REMOVE AND INSTALL 5 ft. OF 8" WASTEWATER LINE, INCLUDING ADJUSTABLE REPAIR CLAMPS AS NECESSARY.

CONTROL POINTS	
TBM-500	TS-103
INT. OF S.24th & DUTTON rectangle on sw	INT. OF S.24th & DUTTON 5/8"rs w pinkcap
ELV=480.38'	ELV=477.84'
N.10536000.2920	N.10535915.7940
E.3291459.5930	E.3291449.7350

DEFECT - D: Gasket is showing at 103.6 feet from MH 934053.



FILE: P:\Waco\2019\165 Dutton Avenue\CAD\BASE\BDD DUTTON UTILITY 4.dwg LAYOUT: Sheet - (43)

NO.	DATE	REVISION	BY

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Plot Date: 10/1/20
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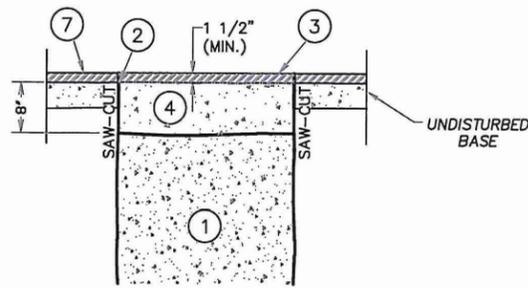
PROJECT NO. 2019-165
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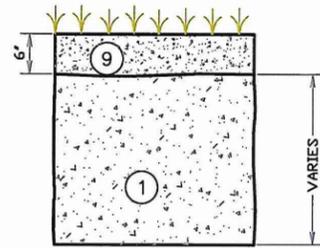
CITY OF WACO, TEXAS
 DUTTON AVENUE IMPROVEMENTS
 11th STREET TO 26th STREET
 PROPOSED WASTEWATER IMPROVEMENTS
 POINT REPAIR
 DUTTON AVE, NEAR 24TH STREET

SHEET NO.
9.13



CLASS A
H.M.A.C.

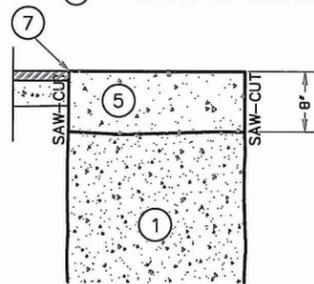
NOTE: CLASS A-1 SURFACE REPLACEMENT SHALL HAVE 2" ASPHALT AND 10" CONCRETE



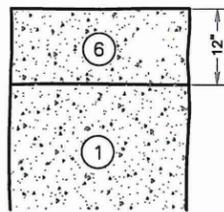
CLASS E
SEED OR SOD

SURFACE REPLACEMENT DETAILS

- 1) GRAVEL FOR TRENCH BACKFILL - MECHANICALLY COMPACTED IN ONE FOOT (MAX.) LIFTS TO 95% STANDARD PROCTOR DENSITY.
- 2) TACK COAT OF RC-2 ASPHALT-APPLIED TO CLEAN SURFACE AND ALLOWED TO CURE.
- 3) HOT MIX ASPHALTIC CONCRETE - HOT LAY, PLACED AND COMPACTED TO MATCH EXISTING SURFACE THICKNESS. 1 1/2" MIN.
- 4) CONCRETE - MIN. 2000 P.S.I., PLACED TO 1 1/2" BELOW EXISTING SURFACE. 8" MIN.
- 5) CONCRETE - MIN. 3000 P.S.I., PLACED TO MATCH EXISTING CONCRETE PAVEMENT. 8" MIN. IF THE EXISTING CONCRETE PAVEMENT IS REINFORCED, THE NEW CONCRETE PAVEMENT SHALL BE REINFORCED IN A LIKE MANNER. SEE STANDARD DETAILS G-10 & ST-1
- 6) ROAD GRAVEL - MECHANICALLY COMPACTED TO 95% STD. PROCTOR DENSITY.
- 7) CUT - EDGE OF EXISTING PAVEMENT ON BOTH SIDES OF DITCH LINE TO PRODUCE A SMOOTH AND EVEN EDGE OF SURFACE REPLACEMENT.
- 8) USE FLOWABLE FILL TO BACKFILL ALL DITCHES 18" OR NARROWER, IN THE RIGHT OF WAY.
- 9) 6" MINIMUM TOP SOIL AND SEED OR SOD - PAID SUBSIDIARY.



CLASS C
CONCRETE



CLASS D
ROAD GRAVEL

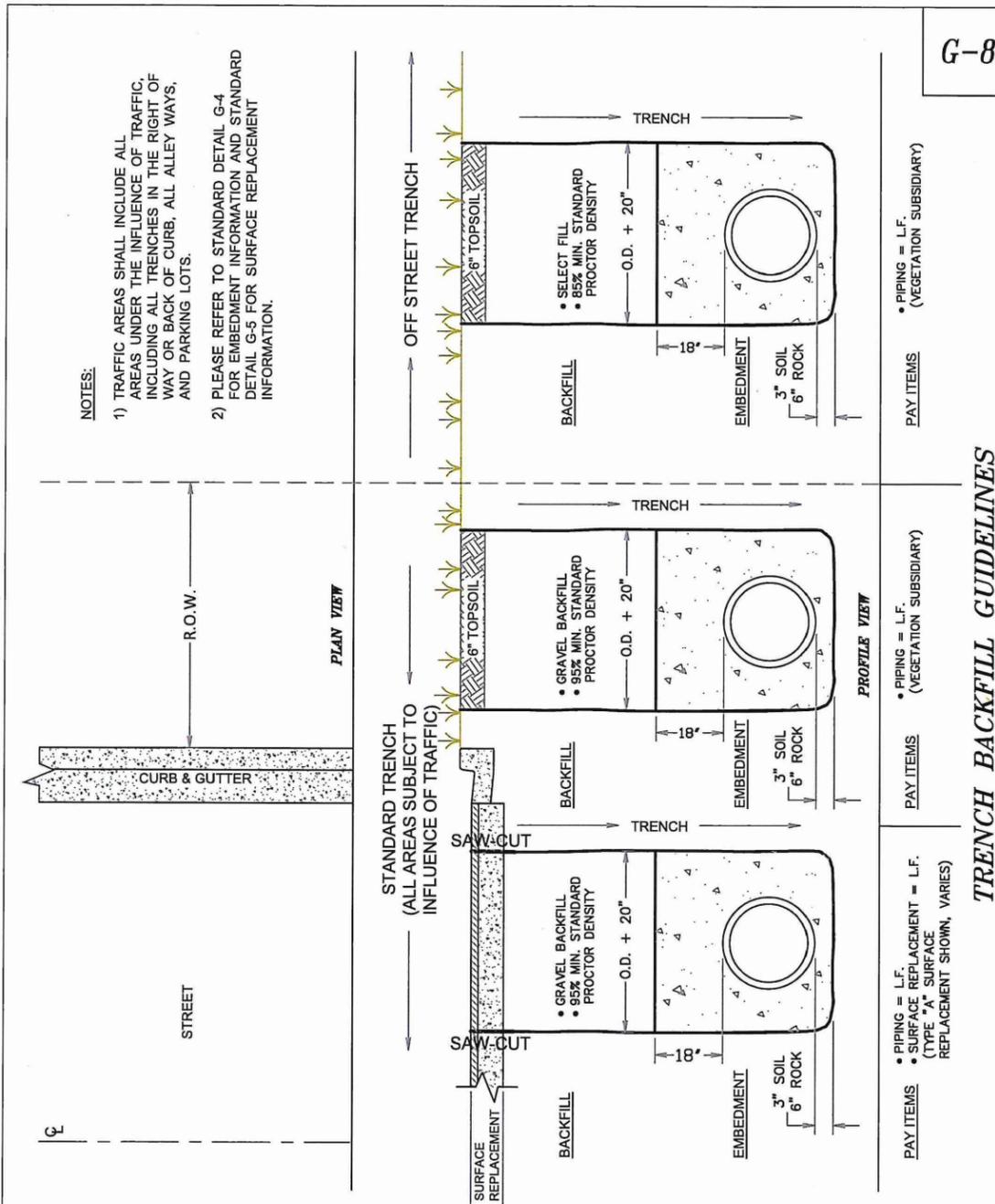


ENGINEERING SERVICES



REVISIONS				
NO.	COMMENTS	BY	DATE	BOOK PAGE NUMBER
04	REMOVE SEAL	DG	09/03/2014	DATE
03	REMOVE "CLASS B" AND "CLASS E"/ADD NOTE 9.	DG	05/01/2014	09/05/2014
02	REVISE NOTE #8	DG	02/01/2013	
01	REMOVE DIMENSION: 6" MINIMUM (CLASS B) / ADD SAW-CUT	DG	06/21/2011	

G-5



NOTES:

- 1) TRAFFIC AREAS SHALL INCLUDE ALL AREAS UNDER THE INFLUENCE OF TRAFFIC, INCLUDING ALL TRENCHES IN THE RIGHT OF WAY OR BACK OF CURB, ALL ALLEYWAYS, AND PARKING LOTS.
- 2) PLEASE REFER TO STANDARD DETAIL G-4 FOR EMBEDMENT INFORMATION AND STANDARD DETAIL G-5 FOR SURFACE REPLACEMENT INFORMATION.



ENGINEERING SERVICES



REVISIONS				
NO.	COMMENTS	BY	DATE	BOOK PAGE NUMBER
03	REMOVE SEAL	DG	09/03/2014	DATE
02	ADD NOTE 2.	DG	05/01/2014	09/05/2014
01	REVISE NOTE 1.	DG	02/01/2013	

G-8

TRENCH BACKFILL GUIDELINES

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LAYOUT: EXCAVATION DETAIL

FILE: P:\Waco\2019\2019-165 Dutton Avenue\CAD\BASE\VPBD DUTTON UTILITY 4.dwg

NO.	DATE	REVISION	BY

PROJECT NO. 2019-165
DRAWN BY BRIAN V. BAKER
DESIGNED BY GINGER R. TOLBERT, P.E.
APPROVED BY *Ginger R. Tolbert*
DATE 10/11/2020



KASBERG, PATRICK & ASSOCIATES, LP
CONSULTING ENGINEERS
TEMPLE, TEXAS 76501

CITY OF WACO, TEXAS
DUTTON AVENUE IMPROVEMENTS
11th STREET TO 26th STREET
PROPOSED WASTEWATER IMPROVEMENTS
POINT REPAIR
SURFACE AND TRENCH REPLACEMENT DETAIL

SHEET NO.
9.14

SEWER NOTES:

1. AN "S" MUST BE MARKED BY BEING STAMPED ON THE FACE OF CURB AND GUTTER, AT EACH TAP LOCATION.
2. PLEASE REFER TO W-13A & S-3B FOR SEWER CLEANOUTS SITUATED IN A TRAFFIC AREA INCLUDING SIDEWALKS.
3. BACKFILL ABOVE EMBEDMENT FOR OFF STREET TRENCHES MAY BE SELECT SPOIL MATERIAL IF IT MEETS SPECIFICATIONS.
4. BID ITEM FOR SEWER SERVICE INCLUDES EXCAVATION, WYE, SERVICE LINE, CLEANOUT, BOX, ALL FITTINGS, BACKFILL AND SURFACE REPLACEMENT.
5. ALL WYES SHALL BE SAME MATERIAL SPECIFICATION AS THE MAIN IN REGARDS TO MATERIAL, SDR AND ASTM DESIGNATIONS.
6. ALL SERVICE CONNECTIONS TO EXISTING SEWER PIPE SHALL BE MADE BY USING NON-SHEAR COUPLINGS AND RIGID FITTING.
7. ALL FLEXIBLE ADAPTERS, BENDS, AND TEES ON SERVICE LINES WILL BE ENCASED IN 6" OF CONCRETE.
8. WHERE NEW SANITARY SEWER SERVICES ARE INSTALLED UNDER EXISTING CURB AND GUTTER, THE CONTRACTOR WILL HAVE THE FOLLOWING OPTIONS:
 - A. REMOVE AND REPLACE ADEQUATE AMOUNT OF CURB AND GUTTER.
 - B. PLACE FLOWABLE BACKFILL BENEATH THE EXISTING CURB AND GUTTER.
 - C. INSTALL SERVICE THROUGH A HOLE AT THE SAME LOCATION AS THE EXISTING PIPE, AND APPROXIMATELY THE SAME DIAMETER.
9. AT WATER AND SEWER CROSSINGS, IF POSSIBLE, SEWER WILL BE PLACED UNDER WATER. CENTER ONE JOINT OF PRESSURE PIPE UNDER WATER AND 6" MINIMUM CLEARANCE.
10. ANY UNDERGROUND DUCTILE IRON PIPE SHALL BE POLYWRAPPED.
11. STEEL PIPE CASING USED FOR AERIAL CROSSING SHALL BE PAINTED. PAINTING IS SUBSIDIARY TO THE CASING. REFER TO CITY OF WACO SPECIFICATION BOOK UNDER PAINTING SPECIFICATIONS.
12. MAINS ENTERING INTO A MANHOLE MORE THAN 24" ABOVE AN INVERT MUST HAVE A DROP FIXTURE.
13. THE FOLLOWING DETAILS HAVE BEEN DELETED FROM STANDARD SEWER DETAILS: S-5, DOG HOUSE MANHOLE & S-7, SHALLOW MANHOLE.
14. ALL SERVICE TAPS MUST BE APPROVED IN ADVANCED BY THE CITY OF WACO AND MUST BE PERFORMED UNDER THE DIRECT SUPERVISION OF A DESIGNATED CITY OF WACO UTILITY INSPECTOR. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN.
15. PLEASE REFER TO CITY OF WACO STANDARD DETAIL W-8 & W-9 FOR AIR RELEASE VALVES ON FORCE MAINS.

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		REVISIONS			BOOK PAGE NUMBER	
		NO.	COMMENTS	BY	DATE	0000
		03	REMOVE SEAL	DG	09/03/2014	DATE
		02	ADDED NOTE #15.	DG	02/01/2013	09/03/2014
		01	UPDATED	DG/CA	09/04/2009	

LAYOUT: SEWER NOTES
 FILE: P:\Waco\2019\19-165 Dutton Avenue\CAD\BASE\PPBD DUTTON UTILITY 4.dwg

NO.	DATE	REVISION	BY
PROJECT NO. 2019-165 DRAWN BY BRIAN V. BAKER DESIGNED BY GINGER R. TOLBERT, P.E. APPROVED BY <i>Ginger R. Tolbert</i> DATE 10/11/2020			
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CITY OF WACO, TEXAS
 DUTTON AVENUE IMPROVEMENTS
 11th STREET TO 26th STREET
 PROPOSED WASTEWATER IMPROVEMENTS
 POINT REPAIR
 WASTEWATER NOTES

SHEET NO.
9.15