

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

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**ADDENDUM No. 1**

Date: January 27, 2015

City of Austin

Project Name: 3<sup>rd</sup> Street Reconstruction Phase 4 – Guadalupe St. to Nueces St.

C.I.P. No.: 8158.004

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated December 29, 2014. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

1. Replace the Table of Contents in its entirety with the attached Table of Contents.
2. Replace the Bid Item Table attachment in Section 00300U in its entirety with the attached Bid Item Table.
3. Replace Section 00830HH in its entirety with the attached Section 00830HH
4. Add Section 01020.
5. Special Provision to Standard Specification Item 360 (SP360): Change "360S.3 Submittals" to 360S.2 Submittals".
6. Replace Special Provision SP510S in its entirety with the attached Special Provision SP510S.
7. Replace Special Provision SP511S in its entirety with the attached Special Provision SP511S.
8. Add Special Specification SS400.

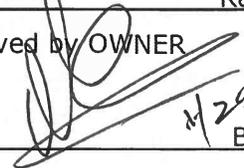
B. Drawing Revisions:

1. Replace the following sheets with the attached sheets (Sheets 33 through 35, Sheet 37, Sheets 71 and 72, and Sheets 100 through 106) The total plan sheet count remains 113.

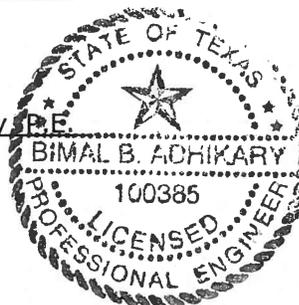
This addendum consists of 22 page(s) / 13 sheet(s).

  
\_\_\_\_\_  
Randy Harvey

Approved by OWNER

  
\_\_\_\_\_  
Bimal Adhikary PE

Approved by ENGINEER/ARCHITECT



**END**

**Document  
Number**

**Title**

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**VOLUME 1**

**INTRODUCTORY INFORMATION**

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01/05/15 Table of Contents

**BIDDING REQUIREMENTS, CONTRACT FORMS, & CONDITIONS OF THE CONTRACT**

**Pre-Bid Information**

00020 04/15/14 Invitation for Bids

**Instructions to Bidders**

00100 03/06/14 Instructions to Bidders

**Information Available to Bidders**

00220 05/06/11 Geotechnical Data

**Bid Forms**

00300U 03/06/14 Bid Form (Unit Price)

**Supplements to Bid Forms**

00400 04/22/13 Statement of Bidder's Experience  
00405 09/25/05 Certificate of Non-Suspension or Debarment  
00410 05/06/11 Statement of Bidder's Safety Experience  
00440 05/06/11 Affidavit - Prohibited Activities  
00475 05/06/11 Nonresident Bidder Provisions

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**Bonds and Certificates**

00610 02/23/10 Performance Bond  
00620 02/23/10 Payment Bond  
00630 03/06/14 Nondiscrimination Certificate  
00631 03/06/14 Title VI Assurances Appendix A  
00650 07/30/12 Certificate of Insurance  
00670 03/20/14 Sales Tax Exemption Certificate  
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**General Conditions**

00700 03/06/14 General Conditions

**Supplementary Conditions**

00810 04/15/14 Supplemental General Conditions  
00820 03/12/12 Modifications to Bidding Requirements and Contract Forms  
00830 03/12/12 Wage Rates and Payroll Reporting  
00830HH 01/05/15 Wage Rates Highway Heavy

**Addenda**

00900 02/23/10 Addendum

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**Document  
Number**
**Title****SPECIFICATIONS****Division 1 - General Requirements**

01010	04/22/13	Summary of
01020	01/27/15	Allowance
01050	09/13/10	Grades Lines & Levels
01095	07/21/03	Reference Standards and Definitions
01096	05/06/11	Stormwater Pollution Prevention Plan (SWPPP)
01200	08/09/12	Project Meetings
01300	04/22/13	Submittals
01353	08/09/12	Construction Equipment Emissions Reduction Plan
01380	08/09/12	Construction Photography & Videos
01500	08/09/12	Temporary
01505	04/22/13	Construction and Demolition Waste Management
01550	08/09/12	Public Safety and Convenience
01900	03/12/12	Prohibition of Asbestos Containing Materials
01900a	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A Prior to Design)
01900b	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A After Design)

**City Standard Technical Specifications****Series 100 Earthwork**

101S	01/04/11	Preparing Right of Way
104S	09/26/12	Removing Portland Cement Concrete
110S	11/18/04	Street Excavation
130S	09/26/12	Borrow

**Series 200 Subgrade and Base Construction**

201S	08/20/07	Subgrade Preparation
210S	02/24/10	Flexible Base
236S	08/20/07	Proof Rolling

**Series 300 Street Surface Course**

315S	09/26/12	Milling Asphalt Concrete Pavement and Non-Portland Cement Concrete Bases
340S	09/26/12	Hot Mix Asphaltic Concrete Pavement
360S	09/26/12	Concrete Pavement

**Series 400 Concrete and Structures**

401S	09/26/12	Structural Excavation and Backfill
402S	11/13/07	Controlled Low Strength Material
403S	09/26/12	Concrete for Structures
405S	11/13/07	Concrete Admixtures
406S	09/26/12	Reinforcing Steel
408S	11/13/07	Concrete Joint Materials
409S	11/13/07	Membrane Curing
410S	09/26/12	Concrete Structures
411S	11/13/07	Surface Finishes for Concrete
420S	09/26/12	Drilled Shaft Foundations
430S	11/15/11	P.C. Concrete Curb and Gutter
432S	01/04/10	P.C. Concrete Sidewalks

<b>Document Number</b>		<b>Title</b>
433S	12/09/08	P.C. Concrete Driveways
437S	12/09/08	Paver Grate Frames/Tree Grate and Frames
480S	04/04/12	Concrete Paver Units for Sidewalks and Streetscape Requirements
<b><u>Series 500 Pipe and Appurtenances</u></b>		
503S	02/17/00	Frames, Grates, Rings and Covers
504S	02/24/10	Adjusting Structures
506	03/15/11	Manholes
507S	03/26/08	Bulkheads
508S	02/24/10	Miscellaneous Structures and Appurtenances
509S	09/26/12	Excavation Safety Systems
510	10/03/13	Pipe
511S	09/26/12	Water Valves
<b><u>Series 600 Environmental Enhancement</u></b>		
628S	12/31/13	Sediment Containment Dikes
<b><u>Series 700 Incidental Construction</u></b>		
700S	09/26/12	Mobilization
<b><u>Series 800 Urban Transportation</u></b>		
802S	09/26/12	Project Signs
803S	11/15/11	Barricades, Signs, & Traffic Handling
824S	02/24/10	Traffic Signs
831S	09/26/12	Traffic Signal Drilled Shaft Foundations
832S	09/26/12	Vehicular Traffic Signal Installation
833S	09/17/01	Pedestrian Push Button Assembly
834S	09/26/12	Traffic Signal Pull Boxes
835S	09/26/12	Traffic Signal Conduit
839S	09/17/01	Traffic Signal Poles
844S	09/26/12	Trench Excavation and Backfill for Traffic Signal Conduit
863S	09/26/12	Reflectorized Pavement Markers
871S	06/21/07	Reflectorized Pavement Markings
872S	11/21/05	Prefabricated Pavement Markings
<b><u>Series 16000 Electrical</u></b>		
16120S	05/23/00	Wiring
16550S	05/23/00	Street Light Standard Foundations
<b><u>Special Provisions to City Standard Technical Specifications</u></b>		
SP360S	12/15/14	Concrete Pavement
SP403S	12/15/14	Concrete for Structures
SP408s	12/15/14	Concrete Joint Materials
SP430S	12/15/14	P.C. Concrete Curb and Gutter
SP437s	12/15/14	Paver Grate Frames/Tree Grate and Frames
SP480s	12/15/14	Concrete Paver Units for Sidewalks and Streetscape Requirements
SP506S	12/15/14	Manholes
SP508S	12/15/14	Miscellaneous Structures and Appurtenances
SP510	01/27/15	Pipe
SP511S	01/27/15	Water Valves
SP700S	12/15/14	Mobilization
SP803S	12/15/14	Barricades, Signs, Traffic Handling
SP833S	12/15/14	Pedestrian Push Button Assembly
SP834S	12/15/14	Traffic Signal Pull Boxes
SP844S	12/15/14	Trench Excavation and Backfill for Traffic Signal Conduit

<b>Document Number</b>	<b>Title</b>	
SP16120S	12/15/14	Wiring
<b>Special Specifications</b>		
SS295	12/15/14	Cast-in-place Bicycle Barrier Curbs
SS300	12/15/14	Early Completion Incentives
SS400	01/27/15	Exploratory Excavation for Proposed 24-inch Reclaimed Water Line
SS650	12/15/14	Structural Soil
SS831	12/15/14	Traffic Signal Foundation Cantilever Arm
SS10838	12/15/14	Pedestrian Head with Led Pedestrian Traffic Signal Modules with Countdown
SS260519	12/15/14	Wire and Cable
SS260526	12/15/14	Grounding
SS260533	12/15/14	Raceways, Conduits and Boxes
SS262416	12/15/14	Commercial Meter Pedestals
SS262726	12/15/14	Wiring Devices
SS265100	12/15/14	Lighting
SS328000	12/15/14	Irrigation System
SS329000	12/15/14	Tree Planting
SS329800	12/15/14	Landscape Maintenance
<b>VOL. 2</b>	<b>09/15/14</b>	<b>MBE/WBE Procurement Program Package</b>

**END**

**Bidding Requirements, Contract Forms and Conditions of the Contract**

UNIT PRICE BID FORM  
Section 00300U

**PROJECT**

**NAME:** 3RD ST. RECONSTRUCTION PHASE 4 - GUADALUPE ST. TO NUECES ST.  
**CIPID#:** 8158.004  
**IFB#:** CLMC522

BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
<b>STREET RECONSTRUCTION &amp; STREETScape IMPROVEMENTS</b>					
110S-B	Street Excavation, Plan Quantity	CY	3,660	\$	\$
SS295	Cast-in-Place Bicycle Barrier Curb	LF	710	\$	\$
SS300-1	Early Substantial Completion Bonus	CD	50	\$ 2,000.00	\$ 100,000.00
315S-A	Surface Milling	SY	1,889	\$	\$
340S-A	Hot Mix Asphaltic Concrete Pavement, Type C	TON	50	\$	\$
360S-A	9 In. Concrete Pavement	SY	3,262	\$	\$
SP360S-D	Colored 9 In. Concrete Pavement (Bike Lane)	SY	1,293	\$	\$
360S-AH7	7 In. Concrete Pavement (High Early Strength)	SY	60	\$	\$
360S-AH9	9 In. Concrete Pavement (High Early Strength)	SY	594	\$	\$
SS400	Exploratory Excavation for Proposed 24-inch Reclaimed Water Line	CY	350	\$	\$
403S-SY	Class "J" Concrete for Subgrade Material, 6-Inch thickness	SY	5,143	\$	\$
403S-EA-AF	Art in Public Places Foundations	EA	5	\$	\$
403S-EA-PS	Pay Station Foundations	EA	4	\$	\$
SP408S	Longitudinal Joint Sealant	LF	5,144	\$	\$
420S-A	Drilled Shaft, 42" Diameter	LF	36	\$	\$
430S-B	P.C. Concrete Curb and Gutter (Fine Grading)	LF	275	\$	\$
430S-B9G	P.C. Concrete Curb and with 9-inch Gutter (Fine Grading)	LF	1,775	\$	\$
SP430S-G	Colored Traffic Island Concrete Curb	LF	250	\$	\$
432S-RP-1	P.C. Sidewalk Curb Ramp with Pavers (Type I)	EA	22	\$	\$
432S-4	New P.C. Concrete Sidewalks, 4 Inch Thickness	SF	7,091	\$	\$
433S-C	Type II P.C. Concrete Driveway	SF	1,815	\$	\$
437S-A	Paver Frame and Grate	EA	37	\$	\$
437S-B	Tree Grate and Frame	EA	4	\$	\$
480S-NS-60	Concrete Paver Units for Sidewalks, 60mm	SF	10,907	\$	\$
480S-NS-80	Concrete Paver Units for Sidewalks, 80mm	SF	383	\$	\$

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**CIPID#:** 8158.004  
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BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
480S-SAP-1	Streetscape Bench (60" in length)	EA	12	\$	\$
480S-SAP-3	Streetscape Bicycle Rack	EA	24	\$	\$
480S-SAP-4	Streetscape Trash Receptacle	EA	12	\$	\$
SP480S-AG	Aeration Grate and Frame	EA	30	\$	\$
504S-3G	Adjusting Gas Valve Boxes to Grade	EA	1	\$	\$
504S-3W	Adjusting Water Valve Boxes to Grade	EA	55	\$	\$
506S-4	Minor Manhole Height Adjustment, All Dia	EA	45	\$	\$
SS650	Structural Soil	CY	1,733	\$	\$
824S	Traffic Signs	EA	52	\$	\$
830S-SCF	Traffic Signal Controller Foundaiton	EA	2	\$	\$
831S-3	42" diameter Traffic Signal Drilled Shaft Foundations 12' Depth	EA	8	\$	\$
831S-3C	42" diameter Traffic Signal Drilled Shaft Foundations 12' Depth with casing	EA	2	\$	\$
SS831-TSCA	Traffic Signal Foundation Cantilever Arm, Furnish & Install	EA	2	\$	\$
832S-VSM-3	Vehicular Signal Installation, 3 Section, Complete in Place	EA	24	\$	\$
833S-PPB	Pedestrian Push-button	EA	22	\$	\$
SP834S-E1	17"x30" Hand Hole	EA	4	\$	\$
834S-C	Traffic Signal Pole Box, Type C	EA	4	\$	\$
835S-LT2	Installing Traffic Signal Conduit with Conduit 2 inch in diameter	LF	5,625	\$	\$
835S-LT3	Installing Traffic Signal Conduit with Conduit 3 inch in diameter	LF	3,125	\$	\$
835S-LT4	Installing Traffic Signal Conduit with Conduit 4 inch in diameter	LF	50	\$	\$
839S-MAP1	Type 1 Mast Arm Pole	EA	20	\$	\$
839S-MA15	15-foot Mast Arm	EA	1	\$	\$
839S-MA20	20-foot Mast Arm	EA	2	\$	\$
839S-MA25	25-foot Mast Arm	EA	6	\$	\$
839S-SDX1	Type 1 Single Davit Extension	EA	11	\$	\$
SP844S-4	Class 4 Trenching for Traffic Signal and Street Light Conduit	LF	2,500	\$	\$

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**CIPID#:** 8158.004  
**IFB#:** CLMC522

BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
863S-2	Reflectorized Pavement Markers (Type I-C)	EA	4	\$	\$
863S-3	Reflectorized Pavement Markers (Type II-A-A)	EA	50	\$	\$
863S-4	Reflectorized Pavement Markers (Type II-B-B)	EA	4	\$	\$
871S-A8W	Reflectorized Type I Thermoplastic Pavement Markings 8 inches in width, 100 mils in thickness, WHITE in color	LF	80	\$	\$
871S-A4W	Reflectorized Type I Thermoplastic Pavement Markings 4 inches in width, 100 mils in thickness, WHITE in color	LF	1,250	\$	\$
871S-A4Y	Reflectorized Type I Thermoplastic Pavement Markings 4 inches in width, SOLID, 100 mils in thickness, YELLOW in color	LF	965	\$	\$
871S-A24W	Reflectorized Type I Thermoplastic Pavement Markings 24 inches in width, 100 mils in thickness, WHITE in color	LF	1,055	\$	\$
871S-C-Box	Reflectorized Type I Thermoplastic Pavement Markings, 6' x 10' Box, 100 mils in thickness, GREEN in color	EA	5	\$	\$
871S-D-BLA	Reflectorized Type I Thermoplastic Pavement Markings, (BIKE LANE ARROW), 100 mils in thickness, WHITE in color	EA	10	\$	\$
871S-D-bicycle	Reflectorized Type I Thermoplastic Pavement Markings, (BICYCLE), 100 mils in thickness, WHITE in color	EA	9	\$	\$
SS10838-PSM	Pedestrian Signal Installation (Countdown Type), Complete in Place	EA	20	\$	\$
SP16120S-1	Landscaping Receptacles and Tree Well Lighting (Guadalupe to San Antonio)	LS	1	\$	\$
SP16120S-2	Landscaping Receptacles and Tree Well Lighting (San Antonio to Nueces)	LS	1	\$	\$
SP16120S-3	Landscaping Receptacles and Tree Well Lighting (3rd to 4th)	LS	1	\$	\$
16550S	Street Light Standard Foundation	EA	6	\$	\$
SS329000-A	Planting, Drake Elm, 5" Caliper	EA	31	\$	\$
SS329000-A	Planting, Big Tooth Maple, 5" Caliper	EA	10	\$	\$
SS328000-A	Complete Irrigation 'System A' (4th/Nueces to San Antonio)	LS	1	\$	\$
SS328000-B	Complete Irrigation 'System B' (Guadalupe to San Antonio)	LS	1	\$	\$
SS329800-1	Landscape Maintenance	MO	24	\$	\$
<b>STREET RECONSTRUCTION &amp; STREETScape IMPROVEMENTS SUBTOTAL:</b>					\$

<b>STORM DRAINAGE IMPROVEMENTS</b>					
506S-CNSW	Connection to Existing Storm Drain Pipe	EA	3	\$	\$
506S-MSW48	Standard Pre-Cast Manhole w/Pre-Cast Base, 48" Dia, w/ Bolted Cover	EA	2	\$	\$
506S-MSW72	Standard Pre-Cast Manhole w/Pre-Cast Base, 72" Dia, w/ Bolted Cover	EA	3	\$	\$
506S-SSW18	Special Manhole, 18-inch Dia., Storm Drain Cleanout	EA	4	\$	\$

**Bidding Requirements, Contract Forms and Conditions of the Contract**

UNIT PRICE BID FORM  
Section 00300U

PROJECT  
NAME: 3RD ST. RECONSTRUCTION PHASE 4 - GUADALUPE ST. TO NUECES ST.  
CIPID#: 8158.004  
IFB#: CLMC522

BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
508S-I10S	Inlet, Standard 10 Ft	EA	7	\$	\$
SP508S-ITD8x240	Inlet, Bolted Trench Drain 8" x 240"	EA	2	\$	\$
509S-1SW	Trench Excavation Safety Protective Systems (all depths)(Storm Water)	LF	2,074	\$	\$
510-ASD6"Dia.	Pipe, 6-inch PVC Schedule 40 Non-Perforated & Clean-Outs (all depths), including Excavation and Backfill	LF	972	\$	\$
510-ASD18"Dia.	Pipe, 18-inch RCP Storm Drain, Class 5 (all depths), including Excavation and Backfill	LF	463	\$	\$
510-ASD22x13.5 Arch	Pipe, 22-inch x 13.5-inch Arch RCP Storm Drain, Class 4 (all depths), including Excavation and Backfill	LF	112	\$	\$
510-ASD28.5x18 Arch	Pipe, 28.5-inch x 18-inch Arch RCP Storm Drain, Class 4 (all depths), including Excavation and Backfill	LF	550	\$	\$
510-VIDEO	Video Inspection of Newly Installed Box Culverts and Storm Drain Pipe	LF	1,125	\$	\$
<b>STORM DRAINAGE IMPROVEMENTS SUBTOTAL:</b>					\$

<b>WATER IMPROVEMENTS</b>					
509S-1	Trench Excavation Safety Protective Systems (all depths)	LF	139	\$	\$
510-KW	Ductile Iron Fittings	TON	2.0	\$	\$
510-AW-6" DIA	PIPE, 6" DIA, Class 350 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	44	\$	\$
510-AW-12" DIA	PIPE, 12" DIA, Class 350 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	20	\$	\$
510-AW-16" DIA	PIPE, 16" DIA, Class 250 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	75	\$	\$
510-JW 12"x 6" Dia.	Wet Connections, 12" Dia. X 6" Dia.	EA	3	\$	\$
510-JW 16"x 6" Dia.	Wet Connections, 16" Dia. X 6" Dia.	EA	1	\$	\$
510-JW 16"x 12" Dia.	Wet Connections, 16" Dia. X 12" Dia.	EA	1	\$	\$
510-JW 16"x 16" Dia.	Wet Connections, 16" Dia. X 16" Dia.	EA	1	\$	\$
510-JW 16"x 24" Dia.	Wet Connections, 16" Dia. X 24" Dia.	EA	1	\$	\$
511S-A6	Valves, Iron Body Resilient Seated Gate Valves Type, 6" Diameter	EA	3	\$	\$
511S-A12	Valves, Iron Body Resilient Seated Gate Valves Type, 12" Diameter	EA	1	\$	\$
511S-A16	Valves, Iron Body Resilient Seated Gate Valves Type, 16" Diameter	EA	1	\$	\$
511S-B	Fire Hydrants (See Standard 511S-17)	EA	3	\$	\$
SP511S-I-12	Permanent Insertion Valve, 12-inch Diameter, Complete in Place	EA	2	\$	\$
SP511S-J-24	Temporary Line Stop, 24-inch Diameter, Complete in Place	EA	2	\$	\$

**Bidding Requirements, Contract Forms and Conditions of the Contract**

UNIT PRICE BID FORM  
Section 00300U

PROJECT  
NAME: 3RD ST. RECONSTRUCTION PHASE 4 - GUADALUPE ST. TO NUECES ST.  
CIPID#: 8158.004  
IFB#: CLMC522

BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
SP511S-L	Remove & Salvage of Existing Fire Hydrant	EA	3	\$	\$
<b>WATER IMPROVEMENTS SUBTOTAL:</b>					\$

<b>RECLAIMED WATER IMPROVEMENTS</b>					
505S-B36	Encasement Pipe 36 Dia., Type Steel	LF	20	\$	\$
509S-1RCW	Trench Excavation Safety Protective Systems (all depths)	LF	235	\$	\$
510-AR-4" DIA	Pipe, 4" DIA, Class 350 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	10	\$	\$
510-AR-6" DIA	Pipe, 6" DIA, Class 350 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	25	\$	\$
510-ARRJ-24" DIA	Ractory Restrained Joint Pipe, 24" DIA, Class 250 Ductile Iron, (All Depths) Including Excavation and Backfill	LF	200	\$	\$
510-KR	Ductile Iron Fittings	TON	1.2	\$	\$
511S-A6RCW	Valves, Iron Body Resilient Seated Gate Valves Type, 6" Diameter	EA	1	\$	\$
SP511S-K	Blow-off Valve Assembly	EA	1	\$	\$
<b>RECLAIMED WATER IMPROVEMENTS SUBTOTAL:</b>					\$

<b>WASTEWATER IMPROVEMENTS</b>					
506S MWW4	Standard Pre-cast Manhole w/Pre-cast Base, 4-ft Dia.	EA	1	\$	\$
506S EDMWW4	Extra Depth Standard Pre-cast Manhole, 4-ft. Dia.	LVF	9	\$	\$
509S-1WW	Trench Excavation Safety Protective Systems (all depths)	LF	10	\$	\$
510-AWW-12" DIA	Pipe, 12" Dia. SDR-26 PVC Wastewater (All Depths) Including Excavation and Backfill	LF	10	\$	\$
SP506S JSWW	Joint Sealing of Existing Wastewater Manhole	LS	1	\$	\$
<b>WASTEWATER IMPROVEMENTS SUBTOTAL:</b>					\$

<b>GENERAL ITEMS</b>					
101S-B	Preparing Right of Way	STA	13.50	\$	\$
628S-B	Sediment Containment Dikes with Filter Fabric	LF	100	\$	\$
700S-TM	Total Mobilization Payment	LS	1	\$	\$
700S-F1FF	F1 Fan Festival SXSW Stop Work	LS	1	\$	\$
700S-SXSW	South by Southwest Festival Stop Work	LS	1	\$	\$

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PROJECT NAME: 3RD ST. RECONSTRUCTION PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 CIPID#: 8158.004  
 IFB#: CLMC522

BID ITEM #	BID ITEM DESCRIPTION	UNIT	QTY	UNIT BID PRICE	TOTAL AMOUNT
802S-B BOND	Bond Project Sign	EA	2	\$	\$
802S-B C.I.P.	C.I.P. Project Sign	EA	2	\$	\$
803-CD	Barricades, Signs and Traffic Handling	CD	365	\$	\$
803S-SF	Safety Fence	LF	4,000	\$	\$
SP803S - BAS	Project Sign for Business Access	EA	10	\$	\$
SP803S - PCMB	Portable Changeable Message Board	CD	100	\$	\$
<b>GENERAL ITEM SUBTOTAL:</b>					

ALLOWANCE	
Allowance #1 - Drilled Shaft Foundations for Moon-Tower	\$ 50,000.00

<b>STREET RECONSTRUCTION &amp; STREETScape IMPROVEMENTS SUBTOTAL:</b>	\$
<b>STORM DRAINAGE IMPROVEMENTS SUBTOTAL:</b>	\$
<b>WATER IMPROVEMENTS SUBTOTAL:</b>	\$
<b>RECLAIMED WATER IMPROVEMENTS SUBTOTAL:</b>	\$
<b>WASTEWATER IMPROVEMENTS SUBTOTAL:</b>	\$
<b>GENERAL ITEM SUBTOTAL:</b>	\$
<b>ALLOWANCE SUBTOTAL:</b>	\$ 50,000.00

**TOTAL BID** \$

(YOUR FIRM'S NAME) certifies that the unit prices shown on this completed computer printout for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its Bid will be tabulated using these unit prices and no other information from this printout. (YOUR FIRM'S NAME) acknowledges and agrees that the total bid amount shown will be read as its total bid. In the event of a mathematical error, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder.

Signed: \_\_\_\_\_

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

**Bidding Requirements, Contract Forms Conditions of the Contract**  
**WAGE RATES AND PAYROLL REPORTING**  
Section 00830HH

**PREVAILING WAGE RATE DETERMINATION**

HEAVY AND HIGHWAY CONSTRUCTION

COUNTY NAME: TRAVIS

Wages based on DOL General Decision:TX150016 01/02/2015 TX16

Classification	Wage Rate	Classification	Wage Rate
Agricultural Tractor Operator	\$ 12.69	Laborer, Utility	\$ 12.27
Asphalt Distributor Operator	\$ 15.55	Loader/Backhoe Operator	\$ 14.12
Asphalt Paving Machine Operator	\$ 14.36	Mechanic	\$ 17.10
Asphalt Raker	\$ 12.12	Milling Machine	\$ 14.18
Boom Truck Operator	\$ 18.36	Motor Grader Operator - Fine Grade	\$ 18.51
Broom or Sweeper Operator	\$ 11.04	Motor Grader Operator - Rough	\$ 14.63
Cement Mason/Concrete Finisher	\$ 12.56	Painter - Structures	\$ 18.34
Concrete Pavement Finishing Machine Operator	\$ 15.48	Pavement Marking Machine Operator	\$ 19.17
Crane, Hydraulic 80 tons or less	\$ 18.36	Pipelayer	\$ 12.79
Crane, Lattice Boom, 80 tons or less	\$ 15.87	Reclaimer/Pulverizer	\$ 12.88
Crane, Lattice Boom, over 80 tons	\$ 19.38	Reinforcing Steel Setter	\$ 14.00
Crawler Tractor	\$ 15.67	Roller Operator, Asphalt	\$ 12.78
Directional Drilling Locator	\$ 11.67	Roller Operator, Other	\$ 10.50
Directional Drilling Operator	\$ 17.24	Scraper Operator	\$ 12.27
Electrician	\$ 26.35	Servicer	\$ 14.51
Excavator, 50,000 lbs. or less	\$ 12.88	Spreader Box Operator	\$ 14.04
Excavator, over 50,000 lbs.	\$ 17.71	Structural Steel Worker	\$ 19.29
Flagger	\$ 10.10	Traffic Signal Installer/Light Pole Worker	\$ 16.00
Form Builder/ Setter, Structures	\$ 12.87	Trenching Machine Operator, Heavy	\$ 18.48
Form Setter - Paving & Curb	\$ 12.94	Truck Driver Tandem Axle Semi-Trailer	\$ 12.81
Foundation Drill Operator, Truck Mounted	\$ 16.93	Truck Driver, Lowboy-Float	\$ 15.66
Front End Loader Operator, 3CY or less	\$ 13.04	Truck Driver, Single Axle	\$ 11.79
Front End Loader Operator, over 3 CY	\$ 13.21	Truck Driver, Off Road Hauler	\$ 11.88
Laborer, Common	\$ 10.50	Truck Driver, Single or Tandem Axle Dump Truck	\$ 11.68
		Welder	\$ 15.97
		Work Zone Barricade Servicer	\$ 11.85

<http://www.wdol.gov/wdol/scafiles/davisbacon/tx.html>

The Wage Compliance information detailed below was excerpted from General Decision TX20070043 or other DOL sources.

**1. Additional Trade information:**

Unlisted classifications needed for work not listed within the scope of the classifications listed may be added upon the advance approval of Contract Procurement. CONTRACTOR shall submit to City of Austin Contract Procurement the following: classification, a bona fide definition of work to be performed and a proposed wage with sample payrolls conforming to area practice **prior** to the start of the job for that type of work. Proposed trade may not be performed by any trade already listed.

**2. Wages**

For overtime, the basic hourly rate listed in the contract wage determination must be used in computing pay obligations.

**3. Proper Designation of Trade**

A work classification from the Prevailing Wage Poster for each worker must be made based on the actual type of work he/she performed on the job. In summary the work performed, not the "title" determines the correct worker classification and wage. Each worker must be paid no less than the wage rate on the wage decision for that classification **regardless** of his/her level of skill (exclusive of a bona fide apprentice currently registered in a DOL approved apprentice program - proof of individual registration must be supplied in advance to the City of Austin).

**4. Split Classification**

If a firm has employees that perform work in more than one classification, it can pay the wage rates specified for each classification ONLY if it maintains accurate time records showing the amount of time spent in each classification. If accurate time records are not maintained, these employees must be paid the highest wage rate of all the classifications of work performed by each worker. Accurate time records tracking how many hours a worker performed the work of one trade and then switched to another trade must be accounted for on a daily basis and reflected on Employer Certified Payroll accordingly.

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

=====  
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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In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

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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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**Division 1 General Requirements**  
**ALLOWANCES**  
Section 01020

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**PART 1 - GENERAL**

**1.01 Description**

An allowance of \$50,000 is provided for the negotiation of the costs related to the installation of drilled pier foundations supporting a moon-tower and four (4) guy-wire poles.

**1.02. Submittals**

Provide submittals in accordance with applicable standard specifications and details provided upon completion of the foundation design.

**PART 2 - PRODUCTS**

Materials used shall be in accordance with applicable specifications and details provided upon completion of the foundation design.

**PART 3 - EXECUTION**

**3.01 GENERAL**

The drilled pier foundations for a Moon-Tower are currently being designed. When completed, the Owner will request a cost proposal from the Contractor to construct the foundations in accordance with the design and applicable specifications. Upon successful negotiation of the unit costs for the Moon-Tower foundations, the Owner will execute a Change Order adding the new Pay Items for the Moon-Tower foundations to the Contract and will reduce the Allowance by the corresponding amount.

**3.02 ALLOWANCE NO.1 – Installation of Drilled Pier Foundations for Moon-Tower**

Allow the sum of Fifty Thousand Dollars (\$50,000) for the negotiation of costs related to the installation of drilled pier foundations supporting a moon-tower and four (4) guy-wire poles.

**END OF SECTION**

**SPECIAL PROVISION TO  
Standard Specification Item No. 510 (Version 10/03/13)  
Pipe**

For this project Item No. 510 Pipe of the City of Austin Standard Technical Specifications is hereby amended with respect to the clauses cited below. No other clauses or requirements of this Section of the City of Austin Standard Specifications are waived or changed.

**Article 510.2(6) Select Backfill or Borrow**

**Insert** the following paragraph after the first paragraph:

“For storm drain and manhole trench backfill, this material shall consist of borrow or of suitable material excavated from the trench. It shall be free of particles greater than three (3) inches (75 mm). If the material is off-site borrow, it shall have a plasticity index of less than 20. Sandy loam shall not be used for backfill. The top two (2) feet (0.6 m) of backfill where it will be used as pavement subgrade shall consist of one of the following materials:

1. Coarse-grained, low P.I. soils (P.I. of 20 or less) with 100% passing the 3-inch sieve and less than 30% passing the No. 200 mesh sieve;
2. Low P.I. select fill soils meeting the following gradation requirements when properly slaked and tested by standard laboratory methods:

	<u>% Retained</u>
2-1/2 inch screen	0%
1-1/2 inch screen	0% to 25%
7/8 inch screen	15% to 55%
No. 4 Sieve	45% to 75%
No. 40 Sieve	60% to 90%

Material passing the No. 40 sieve shall have a minimum plasticity index of 3 and shall not have a plasticity index of greater than 18.

3. Crushed limestone base material conforming to Item City of Austin Standard Specification Item 210S Flexible Base.

**Article 510.3 Construction Methods**

**ADD** the following item to the end of the section:

“(31) Cut and Plug:

Where indicated on plans or directed by E/A, cut and plugs are to be installed, valves removed, and abandoned water lines removed within the limits of the excavation. Standard plugs/caps shall

be installed in accordance with Section 511.4(D) of Standard Specification Item 511 "Water Valves".

**Article 510.3(14) Pipe Bedding Envelope**

**Delete** the second sentence of the first paragraph and **replace** it with the following sentence:

"The envelope shall extend the full trench width, to a depth of at least six (6) inches (150 mm) below the pipe and to at least six (6) inches (150 mm) above storm pipe and twelve (12) inches (300 mm) above water and wastewater pipe."

**Article 510.3(16) Assembling of Pipe**

**Add** the following paragraph to this section:

"Use of closure piece or sleeves is prohibited without prior consent from the Owner."

**Article 510.4 Measurement**

**Add** the following at the end of the Section:

"When called for in the bid, a Cut and Plug will be paid for at the unit bid price per each, complete and in place.

The Flexible Base and Cold Mix furnished in accordance with Standard Detail 1100S-4 for temporary pavement repairs shall not be paid for directly but shall be subsidiary to all Item 510 pay items. This shall include full compensation for all materials, tools, equipment, labor, incidentals, and maintenance necessary to complete this work."

**Article 510.5 Payment**

**Add** the following items to the end of Section (1) Pipe:

Pot-holing and surveying to verify locations, alignments and sizes of existing utility pipes and duct banks.

Clean-outs in tree drain system as shown on the drawings."

**ADD** the following item to the end of the section:

"(14) Cut and Plug

A Cut and Plug will be measured per each, for all pipe sizes and depths, complete and in place, including the removal of valves, pipe, installation of plugs/caps, and mechanical restraints.

**ADD the following Pay Item:**

<b>Pay Item No.: SP510-CPA:</b>	<b>Cut / Plug (all sizes)</b>	<b>Per Each</b>
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**End**

**SPECIAL PROVISION TO  
Standard Specification Item No. 511S (Version 09/26/12)  
Water Valves**

For this project Item No. 511S Water Valves of the City of Austin Standard Technical Specifications is hereby amended with respect to the clauses cited below. No other clauses or requirements of this Section of the City of Austin Standard Specifications are waived or changed.

**Article 511S.1 Description**

**Add** the following sentence at the end of the first paragraph:

“This item shall also govern the use of permanent insertion valves for existing 4-inch through 16-inch diameter waterlines and the removal and salvaging of existing fire hydrants.”

**Article 511S.3 Valves**

**Add** the following sections after section H):

“I) Permanent Insertion Valves:

Permanent insertion valves (ADS LLC Insta-valve, or approved equal) shall be used as needed to stop waterline flow without interrupting water service for existing 4-inch through 16-inch diameter waterlines. Materials used in Insertion valves shall conform to AWWA C515, and be able to function to 250 psi on cast iron, ductile iron, asbestos cement, PVC or steel pipe. All valves shall have a 2-inch square operating nut turning clockwise to close. Insertion valves shall be NSF 61 certified. Valves shall be installed per manufacturer’s installation recommendation and details on the drawings.

“J) Temporary Line Stop:

Temporary line stops (ADS LLC Hydra-stopper or approved equal) shall be used as needed to stop waterline flow without interrupting water service for existing 20-inch diameter waterlines. Materials used in Insertion valves shall conform to AWWA C515, and be able to function to 250 psi on cast iron, ductile iron, asbestos cement, PVC or steel pipe. Valves shall be installed per manufacturer’s installation recommendation and details on the drawings.”

“K) Blow-off valves:

Blow-off valves provided shall be listed in AWU SPL WW-3A.

**Article 511S.4 Construction Methods**

## A) Setting Valves, Drains and Air Releases

**Add** the following sentences to the end of the second paragraph:

“Permanent insertion valves or temporary line stops shall be installed per locations on the drawings. Slight adjustment in locations may be necessary to accommodate existing field conditions.”

**Add** the following sentence to the end of the Section:

“Blow-off valves for reclaimed water lines shall be installed per the details included in drawings.”

**Add** the following sections after section K):

L) When existing fire hydrants are called to be removed and salvaged, the Contractor shall coordinate getting water shut-out through the Owner’s representative, remove the existing hydrant and pipe lead to the main, and plug the tee at the main line connection point. Once the existing hydrant is removed, the Contractor shall notify the Owner’s Representative who will contact the Austin Water Utility and arrange to have the salvaged hydrant and stack picked up.

**Article 511S.5 Measurement**

**Add** the following sentences to the end of the first paragraph:

“Permanent insertion valves and temporary line stops will be measured per each, for all depths.

Removal and salvaging of an existing fire hydrant, including the removal of any corresponding valves on the hydrant lead line, the lead line, and the proper plugging of the tee where the fire hydrant lead line connects to the main line will be measured per each.”

**Article 511S.6 Payment**

**Add** the following sections after section I):

## “J) Permanent Insertion Valve:

Permanent insertion valves will be paid for at the unit bid price per each for the size of valve installed, including valve installation, testing procedures per valve manufacturer’s recommendations, and all other appurtenances necessary to provide the Owner with a fully operational valve, complete in place.

## K) Temporary Line Stop:

Temporary line stop will be paid for at the unit bid price per each for the size of valve installed, including valve installation, testing procedures per valve manufacturer’s recommendations, and all other appurtenances necessary to provide the OWNER with a fully operational line stop, complete in place.

L) Blow-Off Valve Assembly:

Blow-Off Valve installation will be paid for at the unit bid price, which includes all necessary labor and materials to set and adjust to grade the blow-off assembly and meter box, concrete, gravel, blow-off valve, meter box, and other appurtenances necessary for proper operation. Pipe, 6” gate valve, and fittings between the main and the blow-off assembly will be paid for separately under the appropriate Pay Items for that work.”

M) Removal and Salvage of an Existing Fire Hydrant:

Removal and salvage of an existing fire hydrant shall be paid for at the unit bid price, including the removal of any corresponding valves on the hydrant lead line, the lead line, and the proper plugging of the tee where the fire hydrant lead line connects to the main line.”

**Add** the following Pay Items:

<b>“Pay Item No. SP511S-I-__” Dia:</b>	Permanent Insertion Valve, __-in Diameter, Complete in Place	<b>Per Each</b>
<b>Pay Item No. SP511S-J-__” Dia:</b>	Temporary Line Stop, __-in Diameter, Complete in Place,	<b>Per Each</b>
<b>Pay Item No. SP511S-K:</b>	Blow-Off Valve Assembly	<b>Per Each</b>
<b>Pay Item No. SP511S-L:</b>	Remove & Salvage of Existing Fire Hydrant	<b>Per Each”</b>

**End**

## SPECIAL SPECIFICATION

## SS400 Exploratory Excavation for Proposed 24-inch Reclaimed Water Line

**1. Description**

This item shall govern the exploratory excavation for work for the proposed 24-inch reclaimed water line within the Phase 1 and Phase 2 traffic control plan limits as indicated outlined below.

**2. Excavated Materials**

For Bid purposes, the Contractor should assume that all trench excavations for existing utilities have been previously backfilled with concrete from 6-inches below the bottom of the utility line to the bottom of the existing pavement section with a width of up to 36-inches.

**3. Construction Methods**Step 1 (Traffic Control Plan – Reclaimed Waterline Phase 1)

Contractor will pre-excavate the entire length of the design alignment for the proposed 24-inch reclaimed water line within the Phase 1 traffic control plan limits for a width of 36-inches and to the depths indicated on the plans. Contractor shall immediately notify Owner's Representative if any existing utilities are encountered that conflict with the horizontal and vertical alignment of the proposed reclaimed water line, as originally designed. If conflicts arise, Owner will direct the Contractor to excavate additional areas adjacent to the proposed alignment to determine possible alignment adjustments to mitigate existing conflicts. Once a confirmed alignment is determined, Contractor shall backfill the entire excavation and temporarily restore the paving area to allow for vehicle use during implementation of the Traffic Control Plan – Reclaimed Waterline Phase 2.

Step 2 (Traffic Control Plan – Reclaimed Waterline Phase 2)

Contractor shall pre-excavate the entire length of the alignment for the proposed 24-inch reclaimed water line within the Phase 2 traffic control plan limits for a width of 36-inches and to the depths indicated on the plans, and as possibly adjusted by the Owner resulting from information gathered in Step 1 above. Contractor shall immediately notify Owner's Representative if any existing utilities are encountered that conflict with the adjusted proposed horizontal and vertical alignment of the reclaimed water line. If conflicts arise, Owner will direct the Contractor to excavate additional areas adjacent to the proposed alignment to determine possible alignment adjustments to mitigate existing conflicts. Once a confirmed alignment is determined, Contractor shall install pipe in accordance with separate applicable specifications and pay items included in the Contract.

Following installation and backfilling of the proposed reclaimed water line, as well as any subsequent testing required by applicable specifications, Contractor shall temporarily restore the paving areas to allow for vehicle use necessary during implementation of the Traffic Control Plan – Reconstruction Phase 1.

Step 3 (Traffic Control Plan – Reconstruction Phase 1)

Contractor shall complete installation of the proposed reclaimed water line in accordance with separate applicable specifications and pay items included in the Contract.

**4. Measurement**

The pre-excavation and any applicable temporary backfilling of the proposed 24-inch reclaimed water line trench within the Traffic Control Plan – Reclaimed Waterline Phases 1 and 2 limits and as outlined above, shall be measured by the Cubic Yard of completed trench excavation, as subsequently adjusted by the Owner for purposes of determining an acceptable alignment.

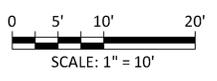
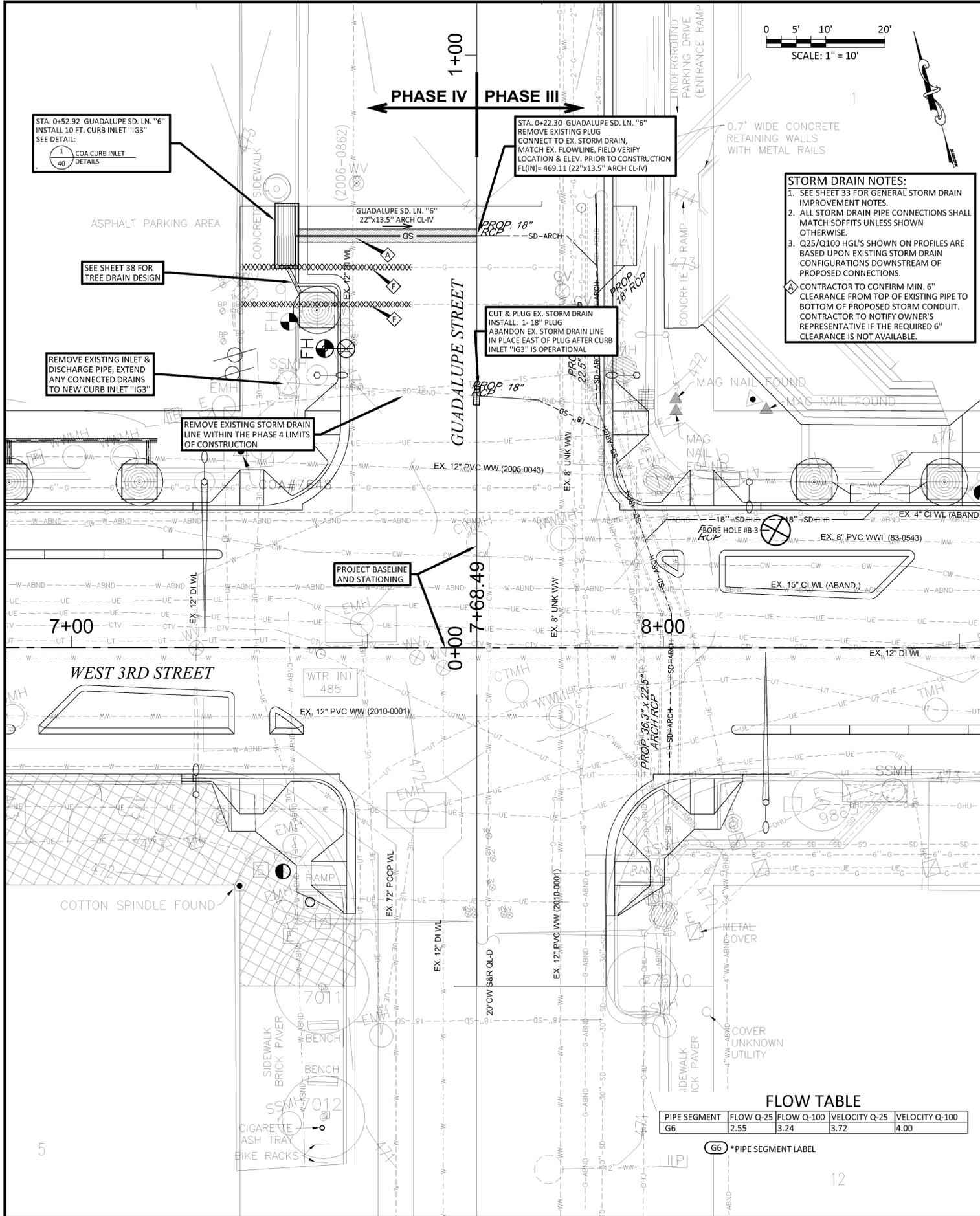
**5. Payment**

The pre-excavation and any applicable temporary backfilling of the proposed 24” reclaimed water line trench within the Traffic Control Plan – Reclaimed Waterline Phases 1 and 2 limits and as outlined above, shall be measured by the Cubic Yard of completed trench excavation, as subsequently adjusted by the Owner for purposes of determining an acceptable alignment. Payment shall include all labor, equipment and materials, required to perform the excavation, backfilling, and temporary restoration of all pavement.

Payment will be made under:

<b>Pay Item No. SS400:</b>	Exploratory Excavation for Proposed 24-inch Reclaimed Water Line.	<b>Per Cubic Yard</b>
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**End**



**STORM DRAIN NOTES:**  
 1. SEE SHEET 33 FOR GENERAL STORM DRAIN IMPROVEMENT NOTES.  
 2. ALL STORM DRAIN PIPE CONNECTIONS SHALL MATCH SOFFITS UNLESS SHOWN OTHERWISE.  
 3. Q25/Q100 HGL'S SHOWN ON PROFILES ARE BASED UPON EXISTING STORM DRAIN CONFIGURATIONS DOWNSTREAM OF PROPOSED CONNECTIONS.  
 4. CONTRACTOR TO CONFIRM MIN. 6" CLEARANCE FROM TOP OF EXISTING PIPE TO BOTTOM OF PROPOSED STORM CONDUIT. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF THE REQUIRED 6" CLEARANCE IS NOT AVAILABLE.

- STORM DRAIN GENERAL NOTES:**
- UTILITIES SHOWN REFLECT THE INFORMATION AVAILABLE AT THE TIME THE PROJECT WAS DESIGNED/SURVEYED. THE CONTRACTOR SHALL CONTACT "TEXAS 811" FOR EXISTING UTILITY LOCATIONS AT 1-800-344-8377 AND LONE STAR 811 FOR EXISTING TELEPHONE LOCATIONS AT 1-800-669-8344, 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
  - CONTRACTOR SHALL POTHOLE AND SURVEY THE EXISTING UTILITY LINES THAT CROSS ALL PROPOSED STORM DRAIN SYSTEM IMPROVEMENTS AT LEAST TWO WEEKS PRIOR TO BEGINNING STORM DRAIN IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY NOTIFY CITY IF CONFLICT EXIST THAT WOULD AFFECT THE NEW STORM DRAIN LINE CONSTRUCTION. POTHOLE AND SURVEY WORK SHALL BE CONSIDERED AS SUBSIDIARY ITEM TO PIPE 510 WORK.
  - FAILURE OF AN EXISTING FACILITY TO APPEAR ON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO PROTECT AND REPAIR SUCH FACILITIES.
  - CONTRACTOR SHALL INSTALL THE NECESSARY STEEL PLATE(S) TO COVER INCOMPLETE CONSTRUCTION OF STORM DRAIN TRENCHES AND EXCAVATIONS AT ALL TIMES. THE STEEL PLATE(S) MUST BE TRAFFIC BEARING AND THEIR DETAILS SHALL BE SIGNED AND SEALED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER, RETAINED AND PAID FOR BY CONTRACTOR. THE STEEL PLATE(S) SHALL BE LEVEL WITH THE PAVEMENT SURFACE AND SAFELY CONNECTED TOGETHER.
  - CONTRACTOR SHALL CONSTRUCT ALL STORM DRAIN LINES FROM DOWNSTREAM TO UPSTREAM UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. IN THE EVENT EXISTING STORM DRAIN LINES NEED TO BE DEMOLISHED DUE TO THE NEW STORM DRAIN LINE IMPROVEMENTS, CONTRACTOR SHALL PROVIDE PROVISIONS TO DRAIN STORM WATER RUNOFF DURING CONSTRUCTION OF THE NEW LINES IN CASE OF A STORM EVENT. THESE PROVISIONS SHALL INCLUDE TEMPORARY STORM DRAIN LINES (PVC SCHEDULE 40 PIPE IS ACCEPTABLE), BY-PASS PUMPING, AND/OR BY OTHER MEANS. CONTRACTOR SHALL PROVIDE SUBMITTAL TO CITY FOR REVIEW AND APPROVAL OF TEMPORARY STORM DRAIN PROVISIONS PRIOR TO CONSTRUCTION.
  - BACKFILL ALL VOIDS AND TRENCHES CREATED BY THE DEMOLITION, EXCAVATION AND REMOVAL OF EXISTING STORM DRAIN STRUCTURES, PIPES, AND CONDUITS IN ACCORDANCE WITH STANDARD SPECIFICATION NO. 4015.

- CONTRACTOR SHALL CONFIRM ALIGNMENT AND FLOW LINES OF ALL EXISTING STORM DRAIN LINES AT CONNECTION POINTS TO NEW STORM DRAIN CONSTRUCTION.
- REFER TO EROSION AND SEDIMENTATION CONTROL PLAN FOR E/S CONTROLS AND TREE PROTECTION ASSOCIATED WITH STORM DRAIN IMPROVEMENTS.
- LIMITS OF CONSTRUCTION LINE IS SHOWN ON THE EROSION & SEDIMENTATION CONTROL PLAN. CONTRACTOR TO CROSS REFERENCE TO ENSURE COMPLIANCE.
- ALL STORM DRAIN ROUND PIPE SHALL BE CLASS-V RATED. ALL STORM DRAIN ARCH PIPE SHALL BE CLASS-IV RATED UNLESS SHOWN OTHERWISE.
- ALL MANHOLE, JUNCTION BOXES AND BOX MANHOLES SHALL BE RATED FOR AN EQUIVALENT AASHTO HS-20 DIRECT LOADING.
- CONTRACTOR TO CONTACT AT&T 48 HOURS PRIOR TO EXCAVATION NEAR BURIED AT&T CONDUITS. CONTRACTOR TO PHOTOGRAPH EXPOSED AT&T CONDUITS BEFORE AND AFTER CONSTRUCTION. (C.O.A. TO PROVIDE NOTIFICATION REQUIREMENTS)
- ALL STORM DRAIN PIPE AND CULVERT INSTALLATIONS SHALL INCLUDE THE PLACEMENT OF INDUCTIVE TRACER DETECTION TAPE IN ACCORDANCE WITH STANDARD SPECIFICATION ITEM NO. 510 "PIPE".
- FOR STORM DRAIN CONSTRUCTION, CONTRACTOR MUST COMPLETE CONSTRUCTION OF THE ENTIRE SEGMENT OF STORM DRAIN LINE AND IMPROVEMENTS, INCLUDING ALL LATERALS, WITHIN THE WORK AREA. UPON INSTALLATION OF ANY PERMANENT PAVEMENT IMPROVEMENTS (SUB-GRADE, FLEXIBLE BASE, BLACK BASE, CONCRETE SLAB, AND / OR HMA/C), CONTRACTOR SHALL NOT TRENCH OR EXCAVATE INTO THE PERMANENT PAVEMENT IMPROVEMENT SECTION TO INSTALL STORM DRAIN IMPROVEMENTS, TO CUT AND CAP EXISTING PIPES, OR TO REMOVE EXISTING STRUCTURES.
- EXCAVATION SAFETY SYSTEMS SHALL BE DESIGNED TO INCLUDE LOADING FROM POTENTIAL UNSTABLE FILL MATERIAL (INCLUDING BACKFILL AND BEDDING OF ADJACENT UTILITY TRENCHES) AND LOADING FROM THRUST AND LEAKAGE FROM ADJACENT WATER AND WASTEWATER UTILITY LINES.
- ALL STORM DRAIN MANHOLES & 18" CLEANOUT COVERS SHALL BE BOLTED.

**LEGEND**

---	PROJECT PROPERTY LINE	---	EXISTING R.O.W./PROPERTY LINE
---	EXISTING EASEMENT LINE	---	EXISTING PAVEMENT
---	PROPOSED CURB & GUTTER		

DETAIL NUMBER	DETAIL NAME	DETAIL CALLOUT REFERENCE
SHEET NUMBER	XX	

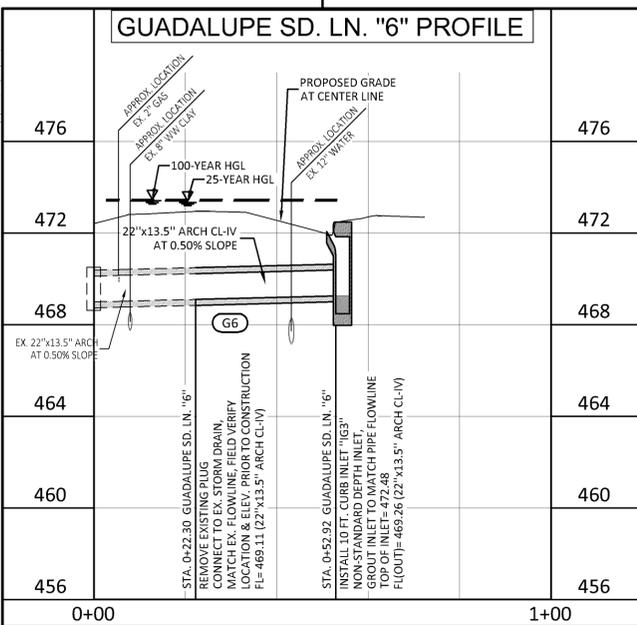
  

49.5	EX. CONTOURS	493	PROP. CONTOURS
W	EX. WATER LINE	W	PROP. WATER LINE
F	EX. FLOW ARROW	F	PROP. FLOW LINE
WW	EX. WASTEWATER	WW	PROP. WASTEWATER
SD	EX. STORM DRAIN	SD	PROP. STORM DRAIN
SV	EX. WATER VALVE	SV	PROP. WATER VALVE
FD	EX. FIRE HYDRANT	FD	PROP. FIRE HYDRANT
WM	EX. WATER METER	WM	PROP. WATER METER
WMH	EX. WASTEWATER MANHOLE	WMH	PROP. WASTEWATER M.H.
SDMH	EX. STORM DRAIN MANHOLE	SDMH	PROP. STORM DRAIN M.H.
EX	EX. STORM DRAIN INLET WITH LATERAL	EX	PROP. STORM DRAIN INLET WITH LATERAL
TMH	EX. TELEPHONE MANHOLE	TMH	EX. TELEPHONE MANHOLE
FC	EX. FIBER OPTICS MARKER	FC	EX. FIBER OPTICS MARKER
TP	EX. TRAFFIC SIGNAL POLE	TP	EX. TRAFFIC SIGNAL POLE
TSB	EX. TELEPHONE BOX	TSB	EX. TELEPHONE BOX
CV	EX. GAS VALVE	CV	EX. GAS VALVE
EMH	EX. ELECTRIC MANHOLE	EMH	EX. ELECTRIC MANHOLE
EB	EX. ELECTRIC BOX	EB	EX. ELECTRIC BOX
EM	EX. ELECTRIC MARKER	EM	EX. ELECTRIC MARKER
SV	EX. SPRINKLER VALVE	SV	EX. SPRINKLER VALVE
EM	EX. MAIL BOX	EM	EX. MAIL BOX
EM	EX. PARKING METER	EM	EX. PARKING METER
ET	EXISTING TREE (TO REMAIN)	ET	EXISTING TREE (TO BE REMOVED)
OHU	EX. OVERHEAD UTILITIES	OHU	EX. CHAINLINK FENCE
OHE	EX. OVERHEAD ELECTRIC	OHE	EX. WIRE FENCE
UE	EX. UNDERGROUND ELECTRIC	UE	EX. WOOD FENCE
UR	EX. UNDERGROUND RAIL	UR	EX. GUARD RAIL
UT	EX. UNDERGROUND TELEPHONE	UT	CITY OF AUSTIN FULLY DEVELOPED 100-YR FLOODPLAIN
FO	EX. UNDERGROUND FIBEROPTICS	FO	100-YR FEMA FLOODPLAIN
GL	EX. GAS LINE	GL	CRITICAL WATER QUALITY ZONE
BH-1	GEOTECHNICAL BORE HOLE LOCATION	BH-1	WATER QUALITY TRANSITION ZONE

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

**GAS NOTE:**  
 IN ACCORDANCE WITH ARTICLE 7 OF THE CONTRACT GENERAL CONDITIONS, THE CONTRACTOR SHALL ALLOW TEXAS GAS SERVICE FULL ACCESS TO THE AREAS INDICATED ON THE PLANS, WHEN COVERED BY THE CONTRACTOR'S ACTIVE TRAFFIC CONTROL PHASE, TO RELOCATE THEIR INFRASTRUCTURE. THIS RELOCATION WORK IS ESTIMATED TO TAKE FROM 7 TO 14 CALENDAR DAYS AT EACH LOCATION. NO ADDITIONAL CONTRACT TIME WILL BE CONSIDERED FOR THIS WORK UNLESS THE TOTAL DURATION OF TEXAS GAS SERVICE'S ON-SITE WORK AT ALL AREAS EXCEEDS 60 CALENDAR DAYS.

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



**FLOW TABLE**

PIPE SEGMENT	FLOW Q-25	FLOW Q-100	VELOCITY Q-25	VELOCITY Q-100
G6	2.55	3.24	3.72	4.00

\*PIPE SEGMENT LABEL

**CHAN & PARTNERS ENGINEERING, LLC**  
 4319 JAMES CASEY STREET, #300  
 AUSTIN, TEXAS 78745  
 512-480-8155 (PH) • 512-480-8811 (FAX)  
 E-mail: info@chanpartners.com  
 WWW.CHANPARTNERS.COM  
 TEXAS REGISTRATION NO. F-13013

JOHN R. KING  
 58429  
 LICENSED PROFESSIONAL ENGINEER  
 1/27/2015

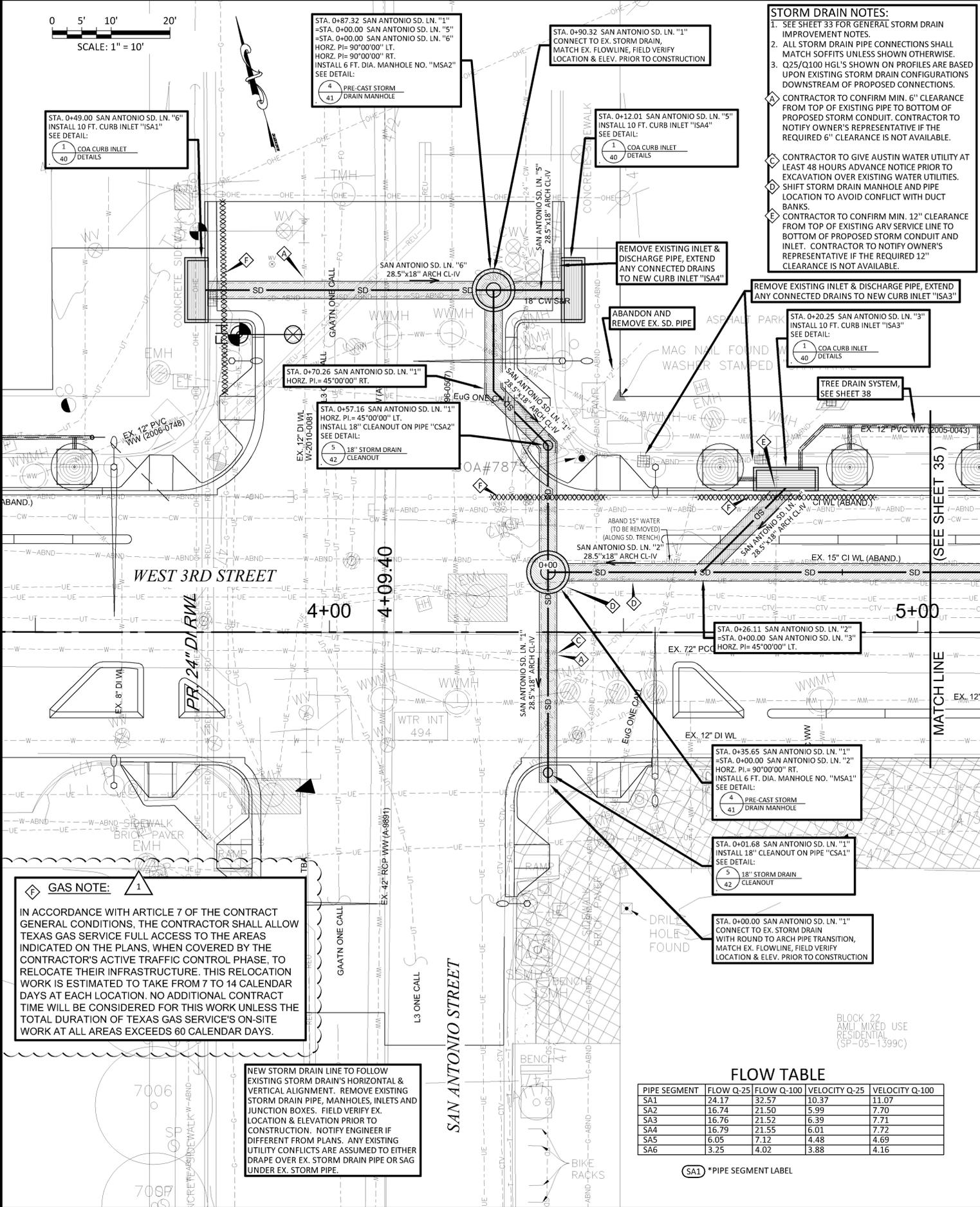
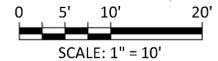
CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION  
 3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 STORM DRAIN PLAN & PROFILE  
 WEST 3RD STREET AT GUADALUPE STREET

NOTES

NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	CD	09/14
DESIGNED BY	JRK	09/14
CHECKED BY	RC	09/14
REVIEWED BY	RH	09/14

PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER **33** OF **113**



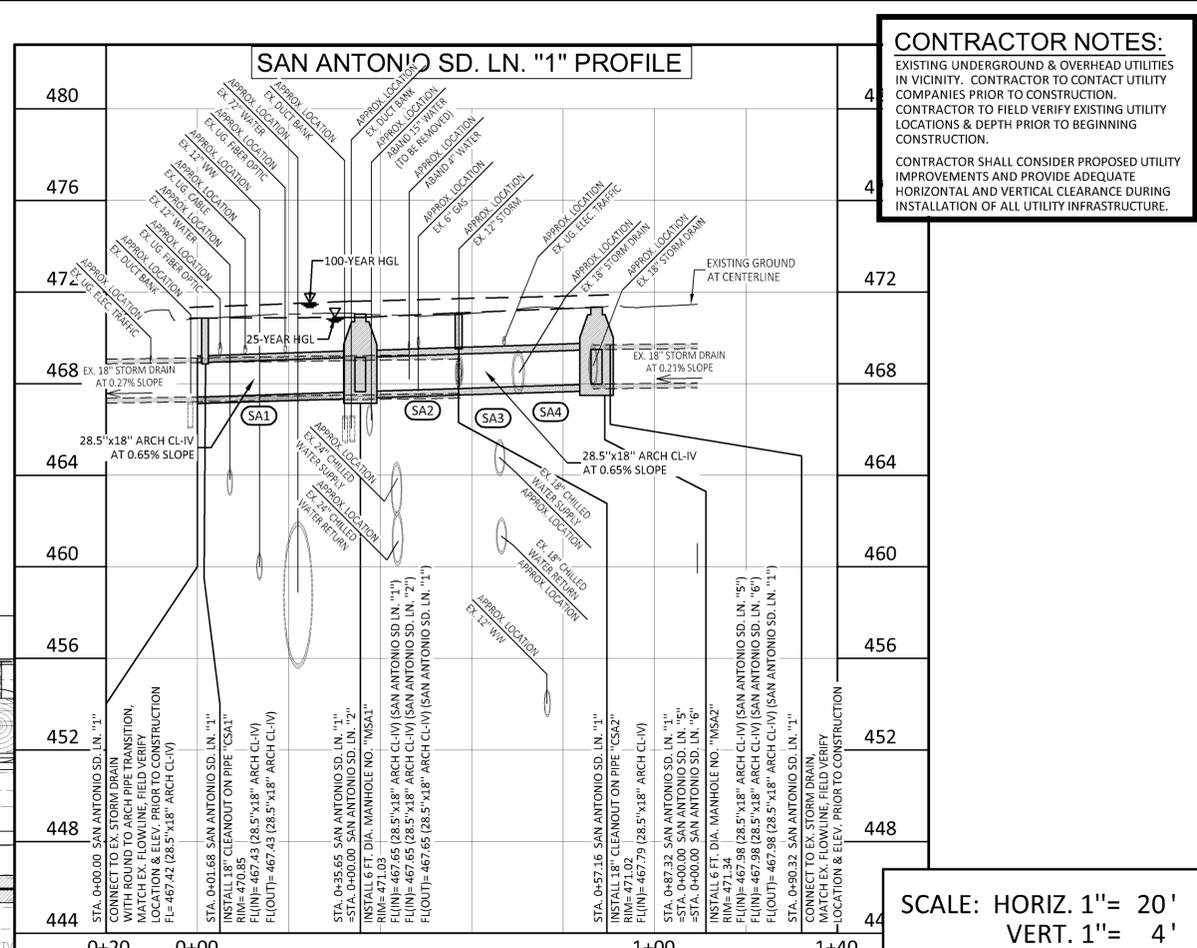
**STORM DRAIN NOTES:**

- SEE SHEET 33 FOR GENERAL STORM DRAIN IMPROVEMENT NOTES.
- ALL STORM DRAIN PIPE CONNECTIONS SHALL MATCH SOFFITS UNLESS SHOWN OTHERWISE.
- Q25/Q100 HGL'S SHOWN ON PROFILES ARE BASED UPON EXISTING STORM DRAIN CONFIGURATIONS DOWNSTREAM OF PROPOSED CONNECTIONS.

CONTRACTOR TO CONFIRM MIN. 6" CLEARANCE FROM TOP OF EXISTING PIPE TO BOTTOM OF PROPOSED STORM CONDUIT. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF THE REQUIRED 6" CLEARANCE IS NOT AVAILABLE.

CONTRACTOR TO GIVE AUSTIN WATER UTILITY AT LEAST 48 HOURS ADVANCE NOTICE PRIOR TO EXCAVATION OVER EXISTING WATER UTILITIES. SHIFT STORM DRAIN MANHOLE AND PIPE LOCATION TO AVOID CONFLICT WITH DUCT BANKS.

CONTRACTOR TO CONFIRM MIN. 12" CLEARANCE FROM TOP OF EXISTING ARV SERVICE LINE TO BOTTOM OF PROPOSED STORM CONDUIT AND INLET. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF THE REQUIRED 12" CLEARANCE IS NOT AVAILABLE.



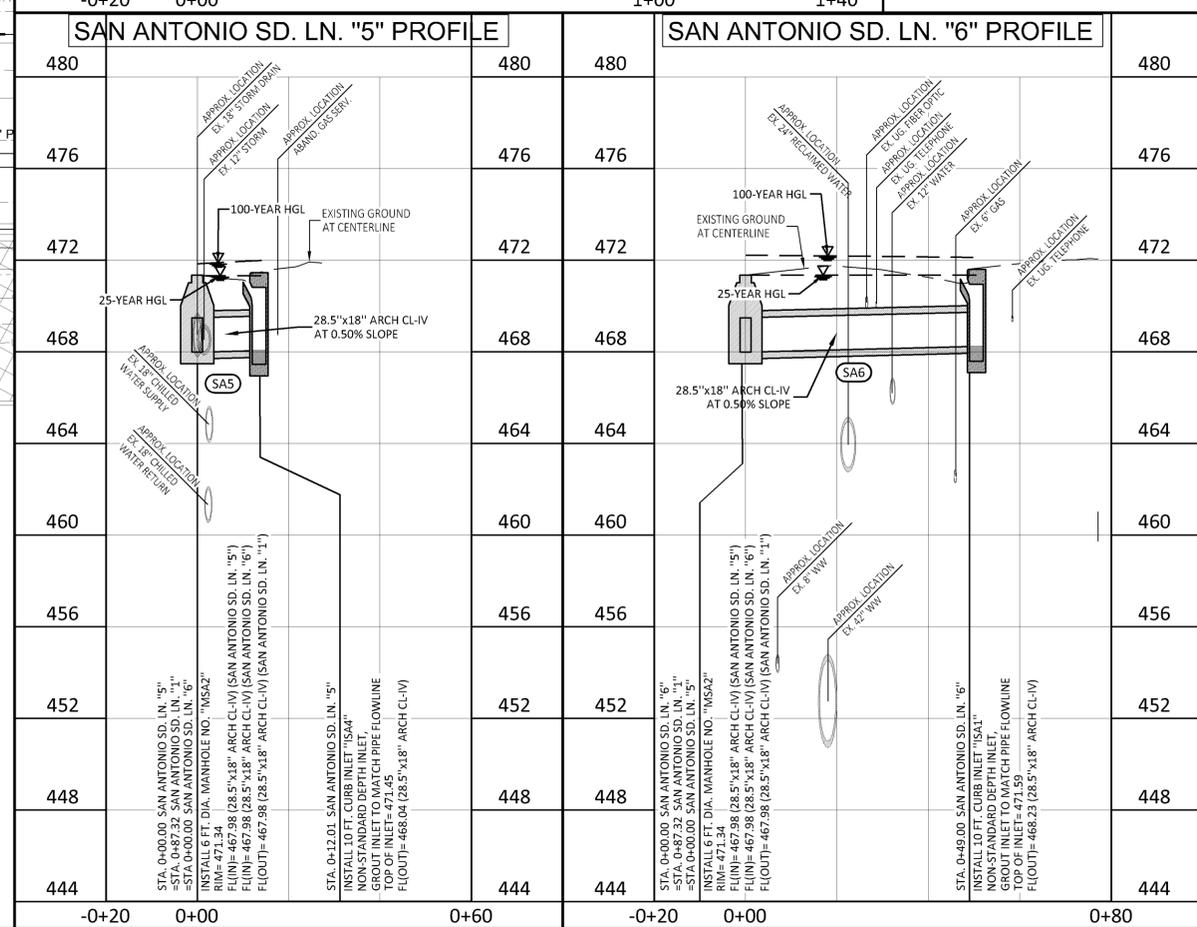
**CONTRACTOR NOTES:**

EXISTING UNDERGROUND & OVERHEAD UTILITIES IN VICINITY. CONTRACTOR TO CONTACT UTILITY COMPANIES PRIOR TO CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS & DEPTH PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR SHALL CONSIDER PROPOSED UTILITY IMPROVEMENTS AND PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CLEARANCE DURING INSTALLATION OF ALL UTILITY INFRASTRUCTURE.

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JOHN R. KING  
 58429  
 1/27/2015



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

CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION

3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.

STORM DRAIN PLAN & PROFILE  
 WEST 3RD STREET AT SAN ANTONIO STREET SHEET 1

ENGINEERING CITY OF AUSTIN  
 FOUNDED 1839  
 DESIGN

NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	CD	09/14
DESIGNED BY	JRK	09/14
CHECKED BY	RC	09/14
REVIEWED BY	RH	09/14

PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER 34 OF 113

**FLOW TABLE**

PIPE SEGMENT	FLOW Q-25	FLOW Q-100	VELOCITY Q-25	VELOCITY Q-100
SA1	24.17	32.57	10.37	11.07
SA2	16.74	21.50	5.99	7.70
SA3	16.76	21.52	6.39	7.71
SA4	16.79	21.55	6.01	7.72
SA5	6.05	7.12	4.48	4.69
SA6	3.25	4.02	3.88	4.16

(SA1) \*PIPE SEGMENT LABEL

**GAS NOTE:**

IN ACCORDANCE WITH ARTICLE 7 OF THE CONTRACT GENERAL CONDITIONS, THE CONTRACTOR SHALL ALLOW TEXAS GAS SERVICE FULL ACCESS TO THE AREAS INDICATED ON THE PLANS, WHEN COVERED BY THE CONTRACTOR'S ACTIVE TRAFFIC CONTROL PHASE, TO RELOCATE THEIR INFRASTRUCTURE. THIS RELOCATION WORK IS ESTIMATED TO TAKE FROM 7 TO 14 CALENDAR DAYS AT EACH LOCATION. NO ADDITIONAL CONTRACT TIME WILL BE CONSIDERED FOR THIS WORK UNLESS THE TOTAL DURATION OF TEXAS GAS SERVICE'S ON-SITE WORK AT ALL AREAS EXCEEDS 60 CALENDAR DAYS.

NEW STORM DRAIN LINE TO FOLLOW EXISTING STORM DRAIN'S HORIZONTAL & VERTICAL ALIGNMENT. REMOVE EXISTING STORM DRAIN PIPE, MANHOLES, INLETS AND JUNCTION BOXES. FIELD VERIFY EX. LOCATION & ELEVATION PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF DIFFERENT FROM PLANS. ANY EXISTING UTILITY CONFLICTS ARE ASSUMED TO EITHER DRAPE OVER EX. STORM DRAIN PIPE OR SAG UNDER EX. STORM PIPE.

IF THIS SHEET IS NOT 34" X 22", IT IS A REDUCED PRINT.

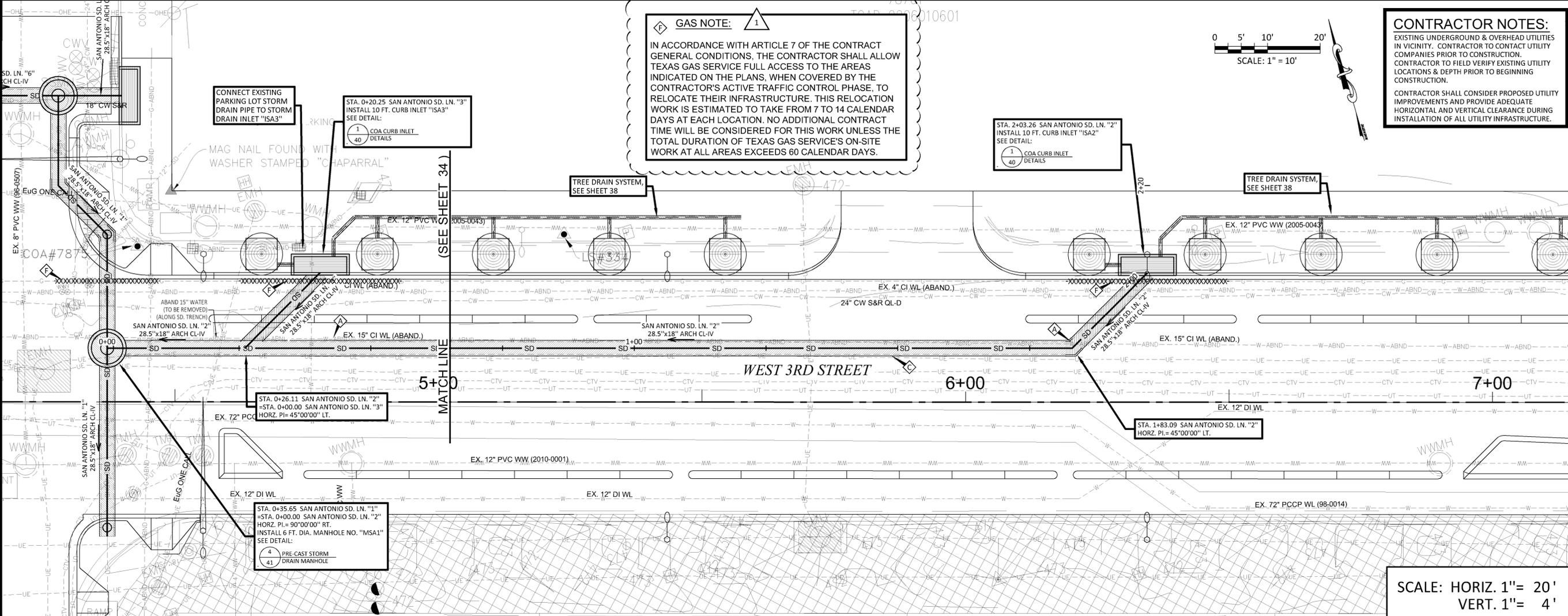
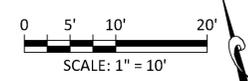
**GAS NOTE:** 1

IN ACCORDANCE WITH ARTICLE 7 OF THE CONTRACT GENERAL CONDITIONS, THE CONTRACTOR SHALL ALLOW TEXAS GAS SERVICE FULL ACCESS TO THE AREAS INDICATED ON THE PLANS, WHEN COVERED BY THE CONTRACTOR'S ACTIVE TRAFFIC CONTROL PHASE, TO RELOCATE THEIR INFRASTRUCTURE. THIS RELOCATION WORK IS ESTIMATED TO TAKE FROM 7 TO 14 CALENDAR DAYS AT EACH LOCATION. NO ADDITIONAL CONTRACT TIME WILL BE CONSIDERED FOR THIS WORK UNLESS THE TOTAL DURATION OF TEXAS GAS SERVICE'S ON-SITE WORK AT ALL AREAS EXCEEDS 60 CALENDAR DAYS.

**CONTRACTOR NOTES:**

EXISTING UNDERGROUND & OVERHEAD UTILITIES IN VICINITY. CONTRACTOR TO CONTACT UTILITY COMPANIES PRIOR TO CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS & DEPTH PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR SHALL CONSIDER PROPOSED UTILITY IMPROVEMENTS AND PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CLEARANCE DURING INSTALLATION OF ALL UTILITY INFRASTRUCTURE.



**STORM DRAIN NOTES:**

- SEE SHEET 33 FOR GENERAL STORM DRAIN IMPROVEMENT NOTES.
- ALL STORM DRAIN PIPE CONNECTIONS SHALL MATCH SOFFITS UNLESS SHOWN OTHERWISE.
- Q25/Q100 HGL'S SHOWN ON PROFILES ARE BASED UPON EXISTING STORM DRAIN CONFIGURATIONS DOWNSTREAM OF PROPOSED CONNECTIONS.

REMOVE EXISTING ABANDONED WATER LINE.

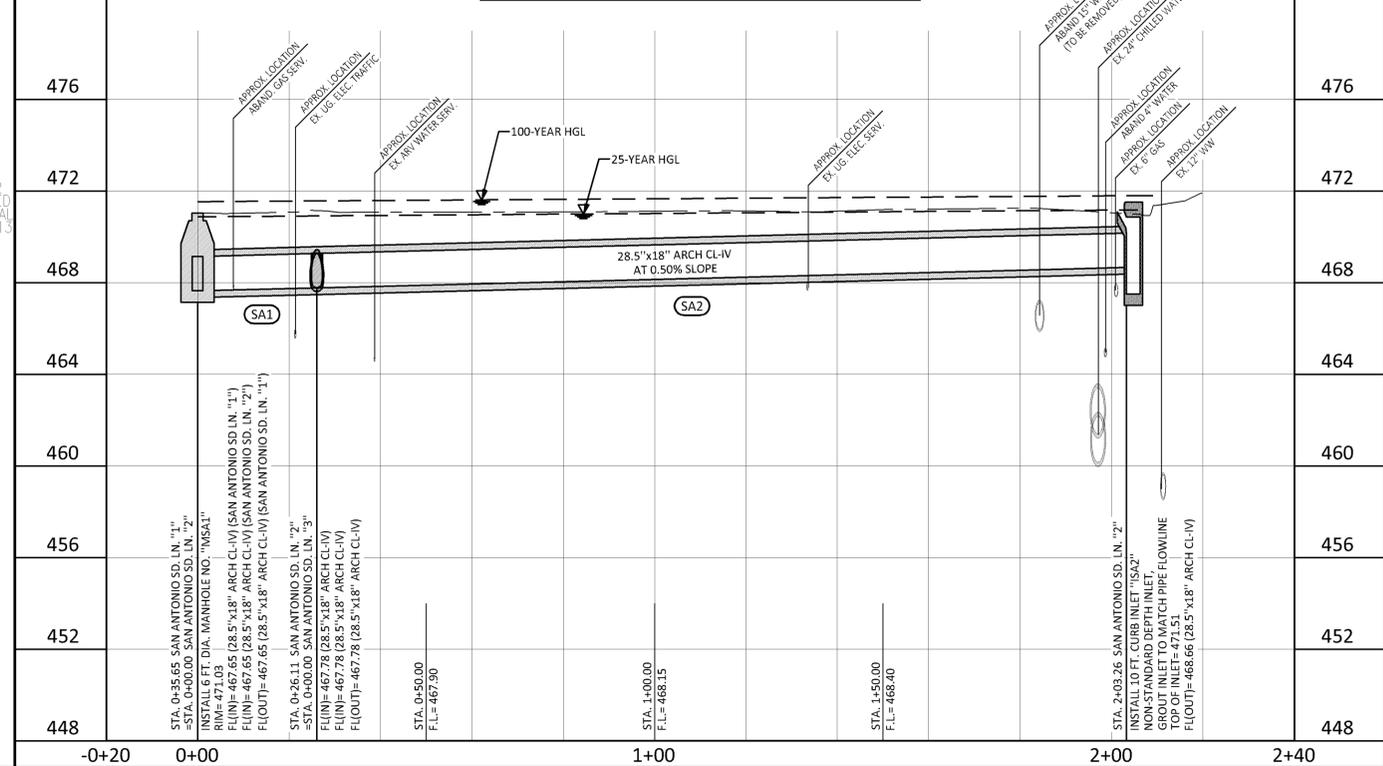
ADJUST STORM DRAIN LINE "2" ALIGNMENT TO AVOID CONFLICT WITH EXISTING UE DUCT.

**FLOW TABLE**

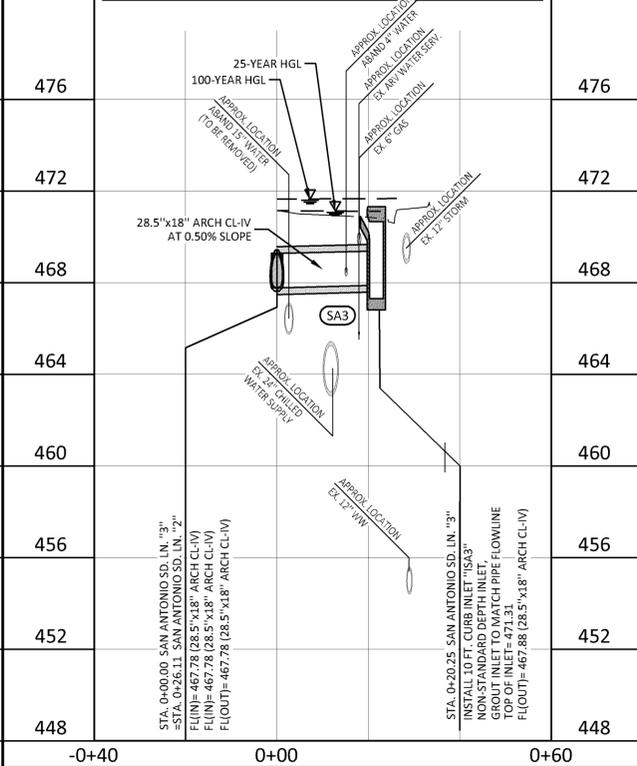
PIPE SEGMENT	FLOW Q-25	FLOW Q-100	VELOCITY Q-25	VELOCITY Q-100
SA1	8.28	11.67	3.44	4.85
SA2	3.53	5.74	1.47	2.39
SA3	5.47	6.50	4.48	4.71

\*PIPE SEGMENT LABEL

**SAN ANTONIO SD. LN. "2" PROFILE**



**SAN ANTONIO SD. LN. "3" PROFILE**



REV. NO.	DATE	REVISION DESCRIPTION
1	JRK 1/27/2015	ADD 1 - ADDRESS

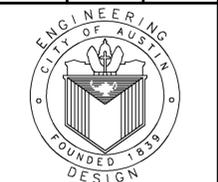
**CHAN & PARTNERS ENGINEERING, LLC**  
 4319 JAMES CASEY STREET, #300  
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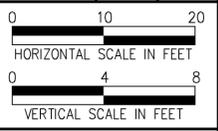
CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION

3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.

STORM DRAIN PLAN & PROFILE  
 WEST 3RD STREET AT SAN ANTONIO STREET SHEET 2



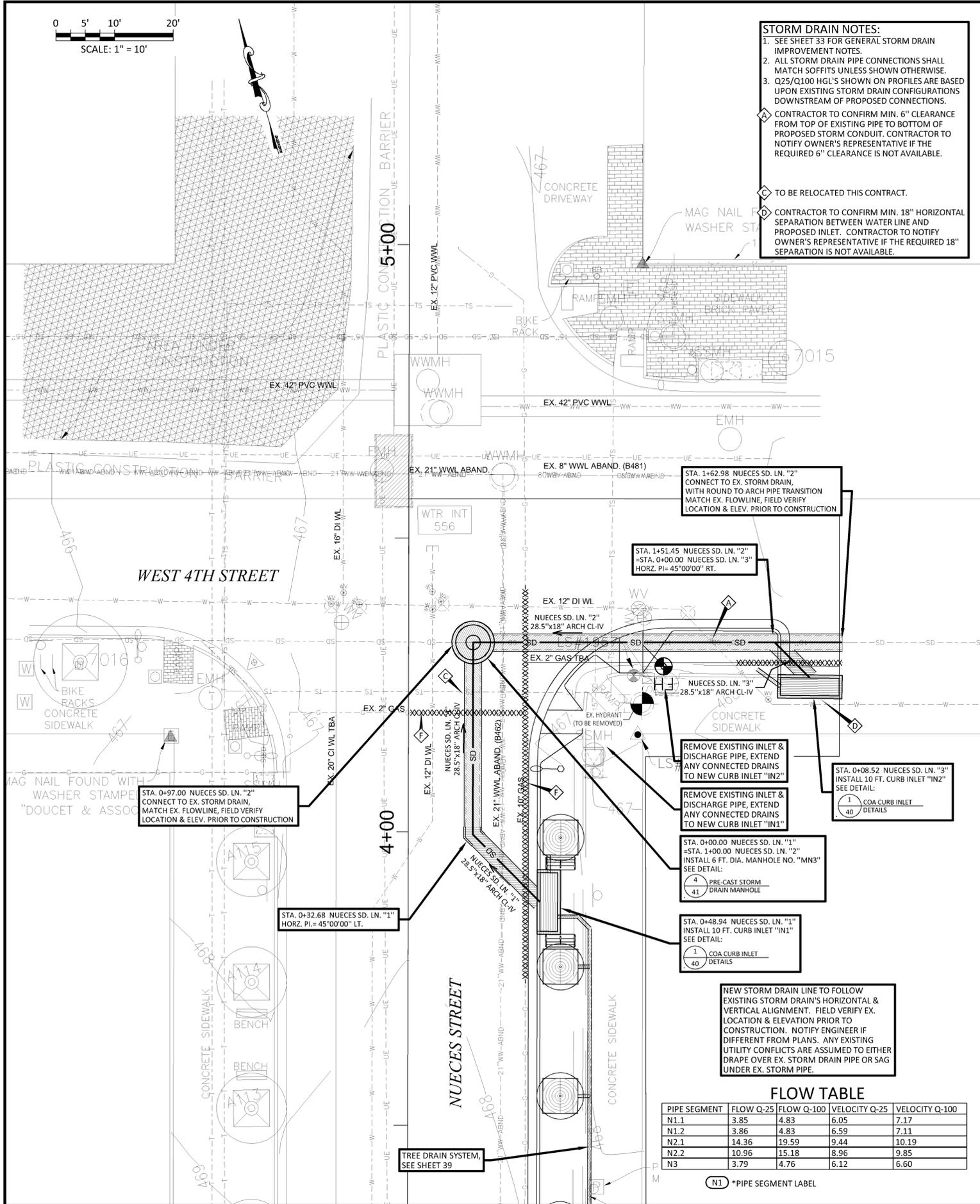
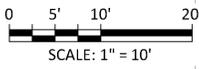
NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	CD	09/14
DESIGNED BY	JRK	09/14
CHECKED BY	RC	09/14
REVIEWED BY	RH	09/14



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SHEET NUMBER **35** OF **113**

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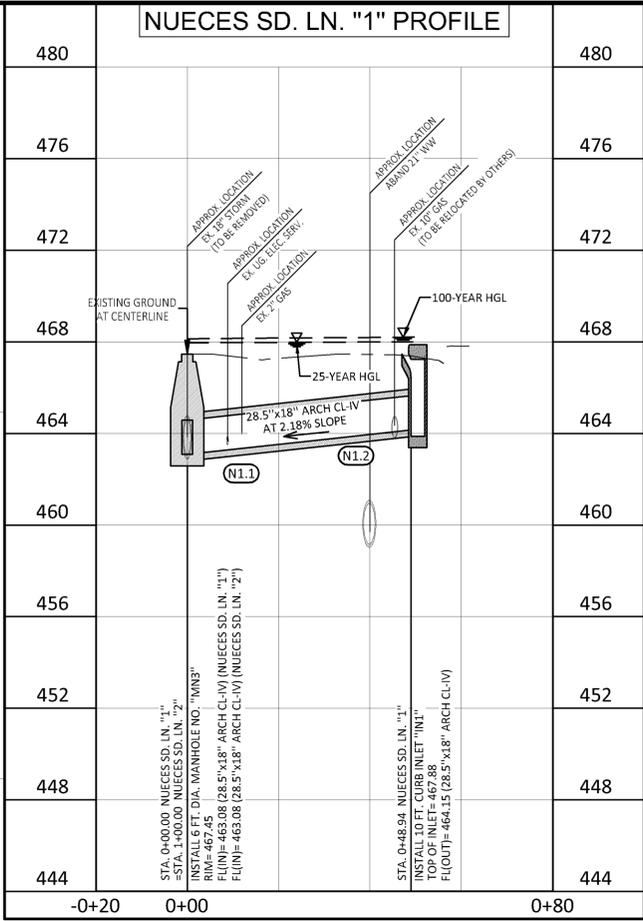
**STORM DRAIN NOTES:**

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- ALL STORM DRAIN PIPE CONNECTIONS SHALL MATCH SOFFITS UNLESS SHOWN OTHERWISE.
- Q25/Q100 HGL'S SHOWN ON PROFILES ARE BASED UPON EXISTING STORM DRAIN CONFIGURATIONS DOWNSTREAM OF PROPOSED CONNECTIONS.

CONTRACTOR TO CONFIRM MIN. 6" CLEARANCE FROM TOP OF EXISTING PIPE TO BOTTOM OF PROPOSED STORM CONDUIT. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF THE REQUIRED 6" CLEARANCE IS NOT AVAILABLE.

TO BE RELOCATED THIS CONTRACT.

CONTRACTOR TO CONFIRM MIN. 18" HORIZONTAL SEPARATION BETWEEN WATER LINE AND PROPOSED INLET. CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE IF THE REQUIRED 18" SEPARATION IS NOT AVAILABLE.



**GAS NOTE:**

IN ACCORDANCE WITH ARTICLE 7 OF THE CONTRACT GENERAL CONDITIONS, THE CONTRACTOR SHALL ALLOW TEXAS GAS SERVICE FULL ACCESS TO THE AREAS INDICATED ON THE PLANS. WHEN COVERED BY THE CONTRACTOR'S ACTIVE TRAFFIC CONTROL PHASE, TO RELOCATE THEIR INFRASTRUCTURE. THIS RELOCATION WORK IS ESTIMATED TO TAKE FROM 7 TO 14 CALENDAR DAYS AT EACH LOCATION. NO ADDITIONAL CONTRACT TIME WILL BE CONSIDERED FOR THIS WORK UNLESS THE TOTAL DURATION OF TEXAS GAS SERVICE'S ON-SITE WORK AT ALL AREAS EXCEEDS 60 CALENDAR DAYS.

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

**CONTRACTOR NOTES:**

EXISTING UNDERGROUND & OVERHEAD UTILITIES IN VICINITY. CONTRACTOR TO CONTACT UTILITY COMPANIES PRIOR TO CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS & DEPTH PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR SHALL CONSIDER PROPOSED UTILITY IMPROVEMENTS AND PROVIDE ADEQUATE HORIZONTAL AND VERTICAL CLEARANCE DURING INSTALLATION OF ALL UTILITY INFRASTRUCTURE.

REV. NO.	BY	DATE	REVISION DESCRIPTION
1	JRK	1/27/2015	ADD 1 - ADD NOTE

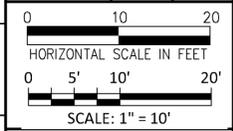
**CHAN & PARTNERS ENGINEERING, LLC**  
4319 JAMES CASEY STREET, #300  
AUSTIN, TEXAS 78745  
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E-mail: info@chanpartners.com  
WWW.CHANPARTNERS.COM  
TEXAS REGISTRATION NO. F-13013



CITY OF AUSTIN, TEXAS  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SERVICES DIVISION  
3RD ST. RECONSTRUCTION  
PHASE 4 - GUADALUPE ST. TO NUECES ST.  
STORM DRAIN PLAN & PROFILE  
WEST 4TH STREET AT NUECES STREET SHEET 2



NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	CD	09/14
DESIGNED BY	JRK	09/14
CHECKED BY	RC	09/14
REVIEWED BY	RH	09/14

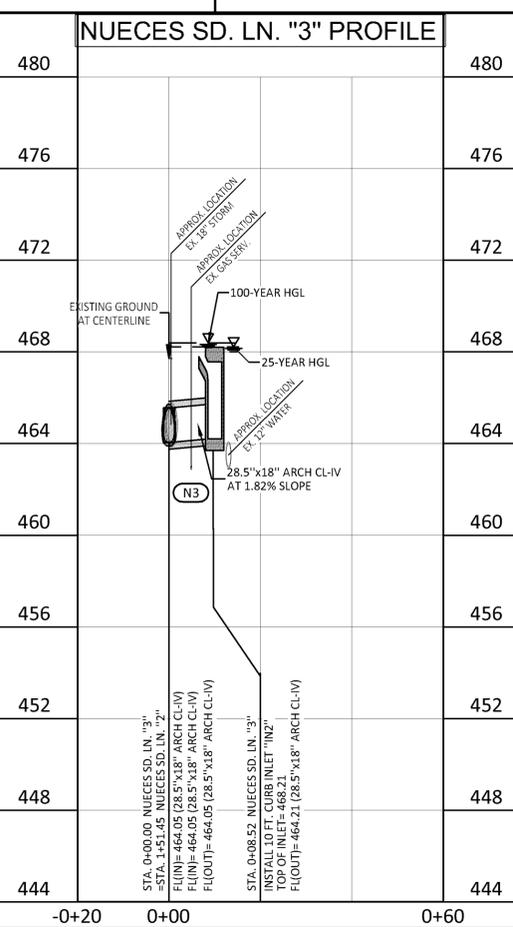
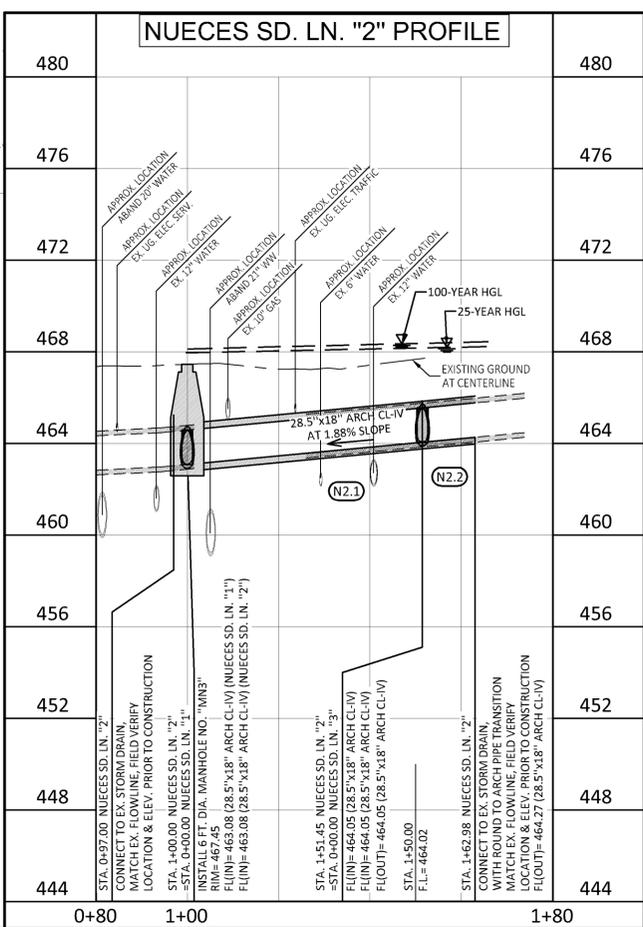


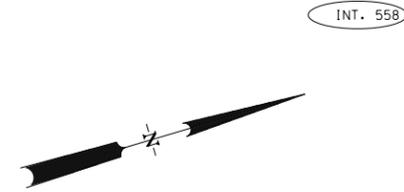
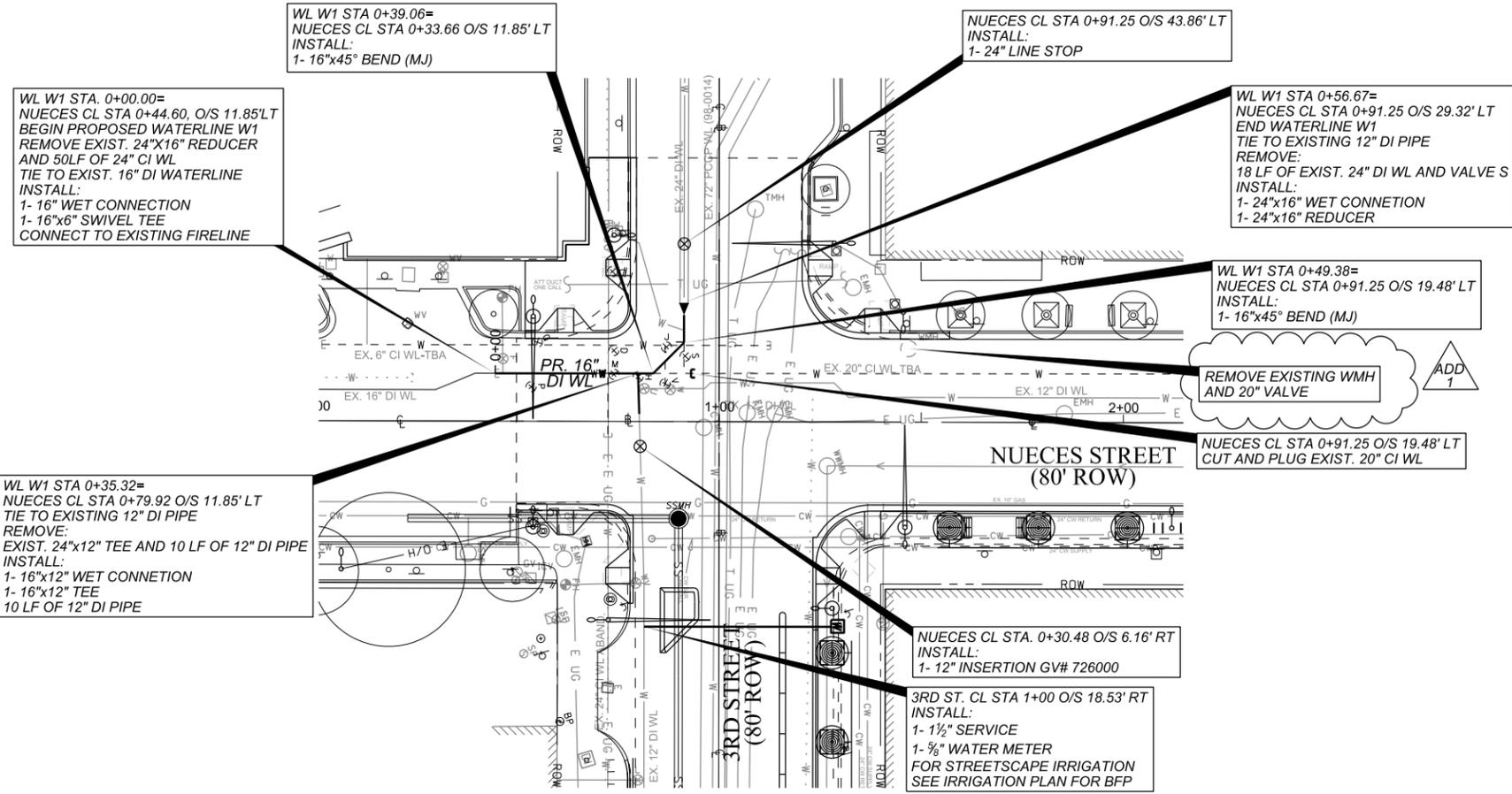
PERMIT NUMBER  
GP 201x - xxxx .PWD  
SHEET NUMBER **37** OF **113**

**FLOW TABLE**

PIPE SEGMENT	FLOW Q-25	FLOW Q-100	VELOCITY Q-25	VELOCITY Q-100
N1.1	3.85	4.83	6.05	7.17
N1.2	3.86	4.83	6.59	7.11
N2.1	14.36	19.59	9.44	10.19
N2.2	10.96	15.18	8.96	9.85
N3	3.79	4.76	6.12	6.60

(N1) \*PIPE SEGMENT LABEL



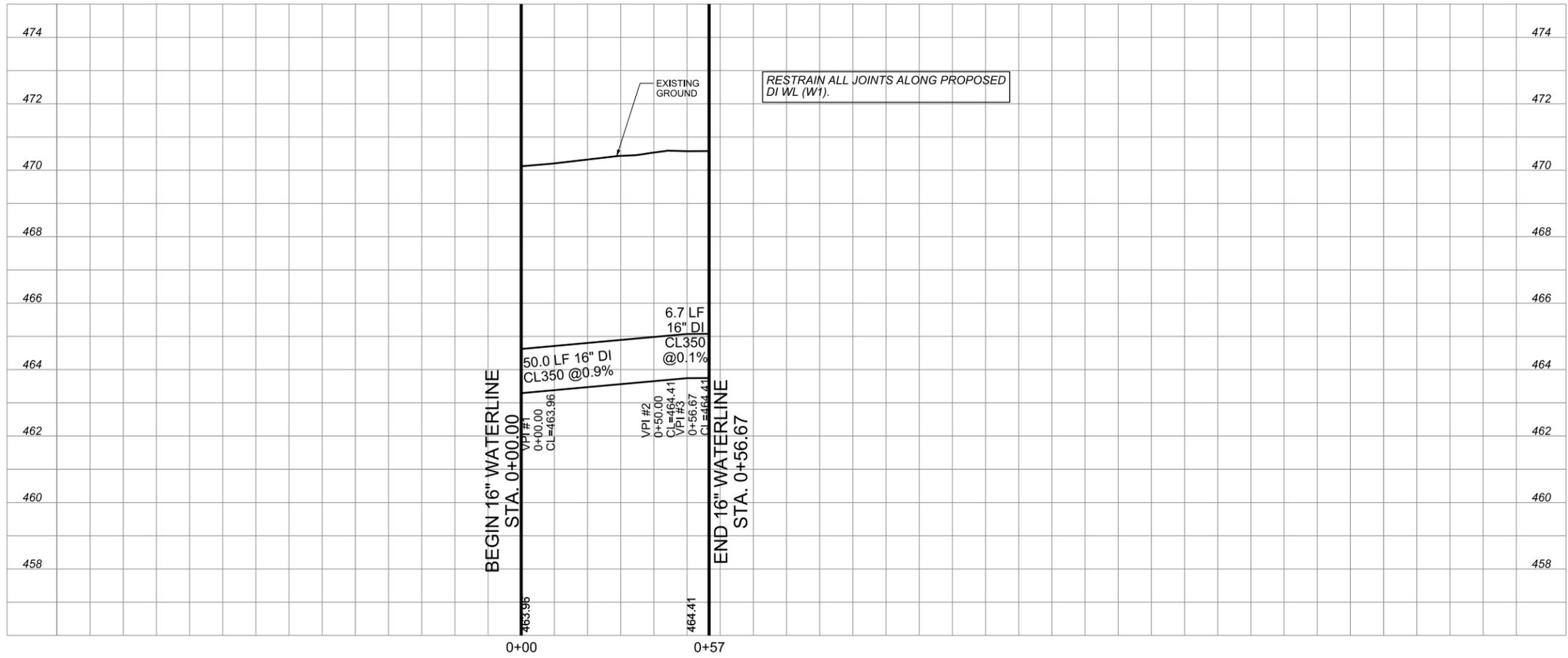


REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM T-CALLOUT UPDATED



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BIMAL B. ADHIKARY, P.E., LIC.# 100385

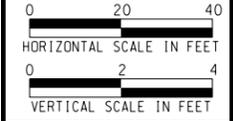
CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION  
 3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 NUECES : WATERLINE W1  
 STA. 0+00 - 0+56.67



**WATER PLAN & PROFILE NOTES**

- UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AT THE TIME THE PROJECT WAS DESIGNED. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES THAT ARE TO BE EXTENDED, TIED-TO, CROSSED, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE AND RECONNECT ALL WATER AND WASTEWATER SERVICES DISRUPTED BY CONSTRUCTION OF THIS PROJECT WITH NEW PIPE FROM THE MAIN TO THE METER OR HOUSE CONNECTION. FIELD LOCATIONS, BOTH HORIZONTAL AND VERTICAL, SHALL BE PERFORMED AT LEAST 100 FEET IN ADVANCE OF THE PROPOSED CONSTRUCTION.
- WATER SERVICE LINES AFFECTED BY THIS CONSTRUCTION SHALL BE REPLACED BETWEEN SERVICE TAP AND METER WITH TYPE K COPPER PIPE. ALL WATER SERVICE LINES SHALL MATCH EXISTING SIZE OR 1 1/2" (ONE AND ONE HALF INCH) MINIMUM. BACKFLOW PREVENTORS FOR FIRE LINES SHALL BE PROVIDED BY THE UTILITY CUSTOMER.
- FIRE HYDRANT LOCATIONS MAY BE ADJUSTED, WITH ENGINEER'S APPROVAL, TO AVOID CONFLICTS WITH FUTURE DRIVEWAYS, POWER POLES, UTILITY MANHOLES AND STREETScape APPURTENANCES.
- CONTRACTOR SHALL FOLLOW ALL CITY OF AUSTIN GUIDELINES AND REQUIREMENTS CONCERNING THE USE, HANDLING, AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS, INCLUDING A.C. PIPE. ANY CONNECTION MADE TO AN A.C. WATER LINE FOR RELOCATION PURPOSES SHALL BEGIN AND END AT AN EXISTING A.C. JOINT.
- FOR THIS PROJECT ALL WATER MAINS 12" IN DIAMETER OR SMALLER SHALL BE BUILT USING DUCTILE IRON CLASS 350 PIPE. WATERLINE SIZES 16" AND LARGER SHALL BE CLASS 250 MINIMUM. RESTRAINED JOINTS SHALL BE USED IN LIEU OF CONCRETE THRUST BLOCKING IN ACCORDANCE WITH STANDARD SPECIFICATION ITEM 510. RESTRAINED JOINTS SHALL BE USED THROUGHOUT THE LENGTH OF ENCASUREMENT PIPES PROTECTING SAID MAINS.
- CONTRACTOR TO VERIFY THAT ALL FIRE LINES ARE EQUIPPED WITH WORKING BACK FLOW PREVENTERS PRIOR TO RECONNECTION.
- ALL PROPOSED DUCTILE IRON PIPE SHALL BE RESTRAINED USING FACTORY RESTRAINED JOINTS.
- NOTIFY PROPERTY OWNERS 90 DAYS IN ADVANCE OF RECONNECTING FIRE LINES THAT THEY MUST PROVIDE VERIFICATION OF REQUIRED LABORATORY AND FIELD TESTING APPROVALS FOR BACKFLOW PREVENTION ASSEMBLY SYSTEMS, AS REQUIRED BY THE CITY OF AUSTIN UTILITIES CRITERIA MANUAL, SECTION 2.3.2.

NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14

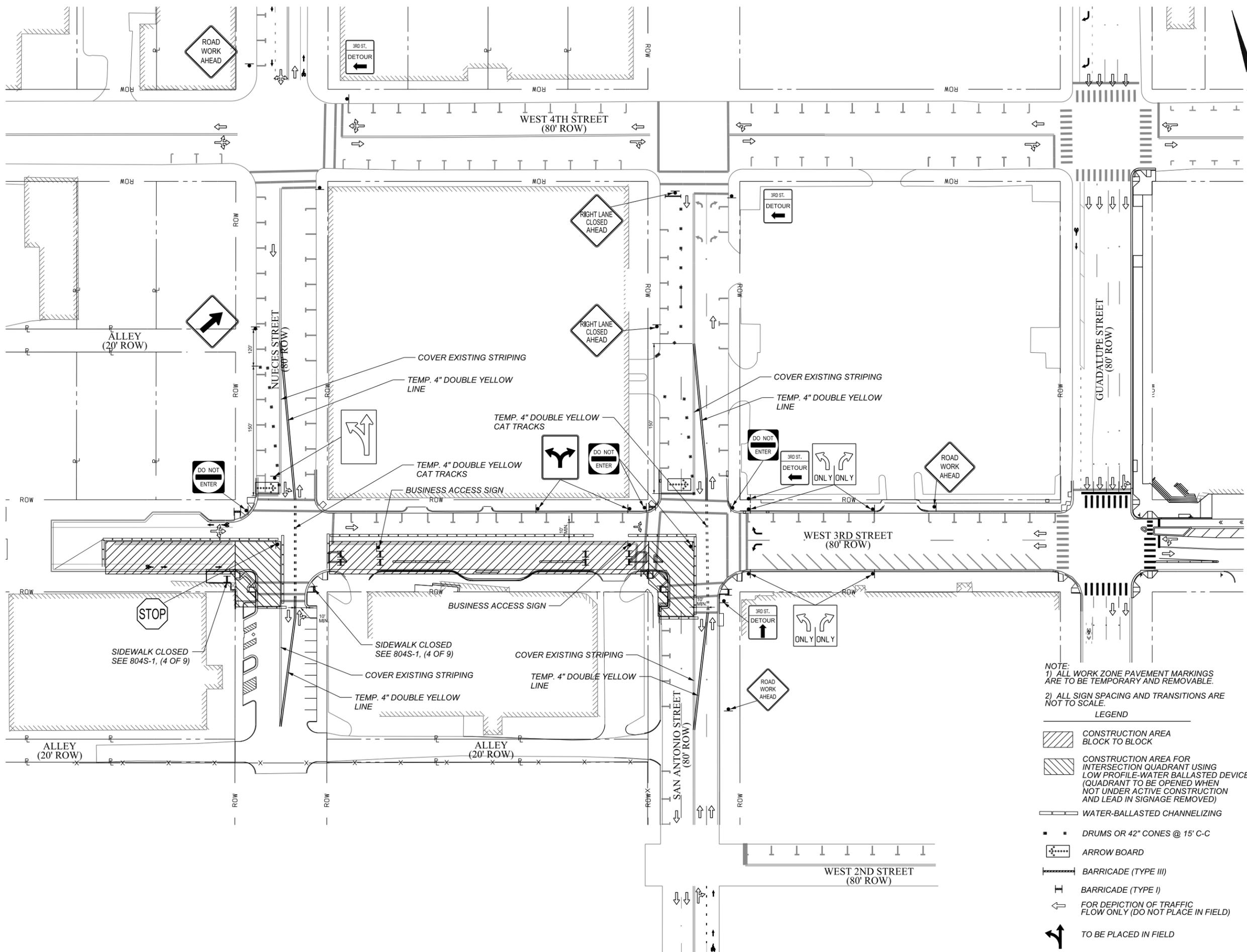


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GP 201x - xxxx .PWD

SHEET NUMBER **71** OF **113**

N:\Team2\VPWD\_3rd Street\CONV\_3RD\_PH4\PH4\_3RD\_WA\_PWD1\_NUECES.dgn 27-JAN-2015





REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM I: TITLE / PHASE CHANGE



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BIMAL B. ADHIKARY, P.E., LIC.# 100385

**CITY OF AUSTIN, TEXAS**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING SERVICES DIVISION**  
**3RD ST. RECONSTRUCTION**  
**PHASE 4 - GUADALUPE ST. TO NUECES ST.**  
**TRAFFIC CONTROL PLAN - RECONSTRUCTION**  
**PHASE 1**



NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
 2) ALL SIGN SPACING AND TRANSITIONS ARE NOT TO SCALE.

- LEGEND**
- CONSTRUCTION AREA BLOCK TO BLOCK
  - CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
  - WATER-BALLASTED CHANNELIZING
  - DRUMS OR 42" CONES @ 15' C-C
  - ARROW BOARD
  - BARRICADE (TYPE III)
  - BARRICADE (TYPE I)
  - FOR DEPICTION OF TRAFFIC FLOW ONLY (DO NOT PLACE IN FIELD)
  - TO BE PLACED IN FIELD

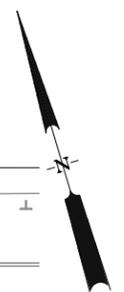
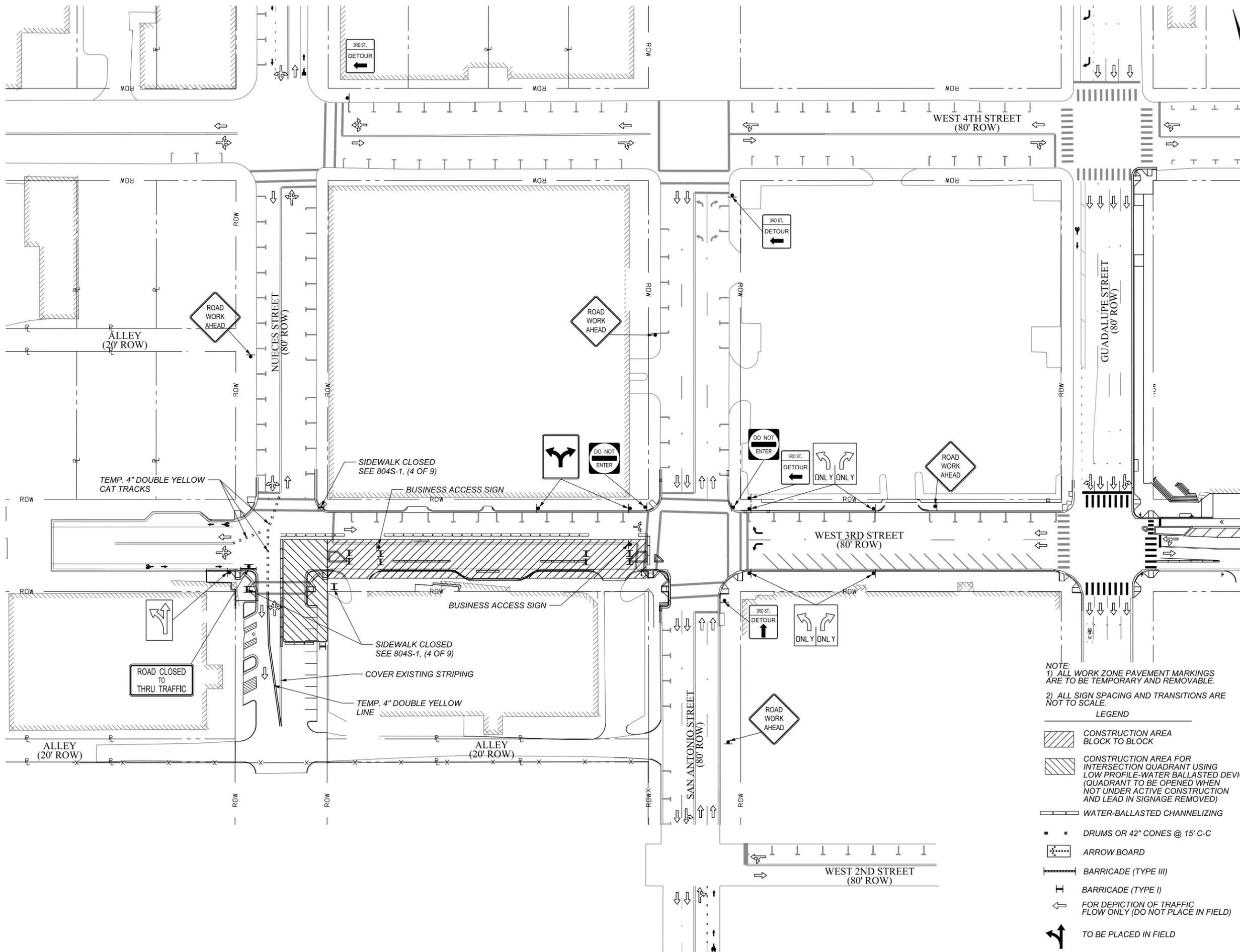
NOTES	NAME	DATE
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DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER **100** OF **113**

N:\Team2\PWD\_3rd Street\CON\_3RD\_PH4\PH4\_3RD\_RO\_TCP\_1PH1.dgn 27-JAN-2015



REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM I: TITLE / PHASE CHANGE



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**CITY OF AUSTIN, TEXAS**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING SERVICES DIVISION**  
**3RD ST. RECONSTRUCTION**  
**PHASE 4 - GUADALUPE ST. TO NUECES ST.**  
**TRAFFIC CONTROL PLAN - RECONSTRUCTION**  
**PHASE 2**

ADD 1

NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
 2) ALL SIGN SPACING AND TRANSITIONS ARE NOT TO SCALE.

- LEGEND**
- CONSTRUCTION AREA BLOCK TO BLOCK
  - CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
  - WATER-BALLASTED CHANNELIZING
  - DRUMS OR 42" CONES @ 15' C-C
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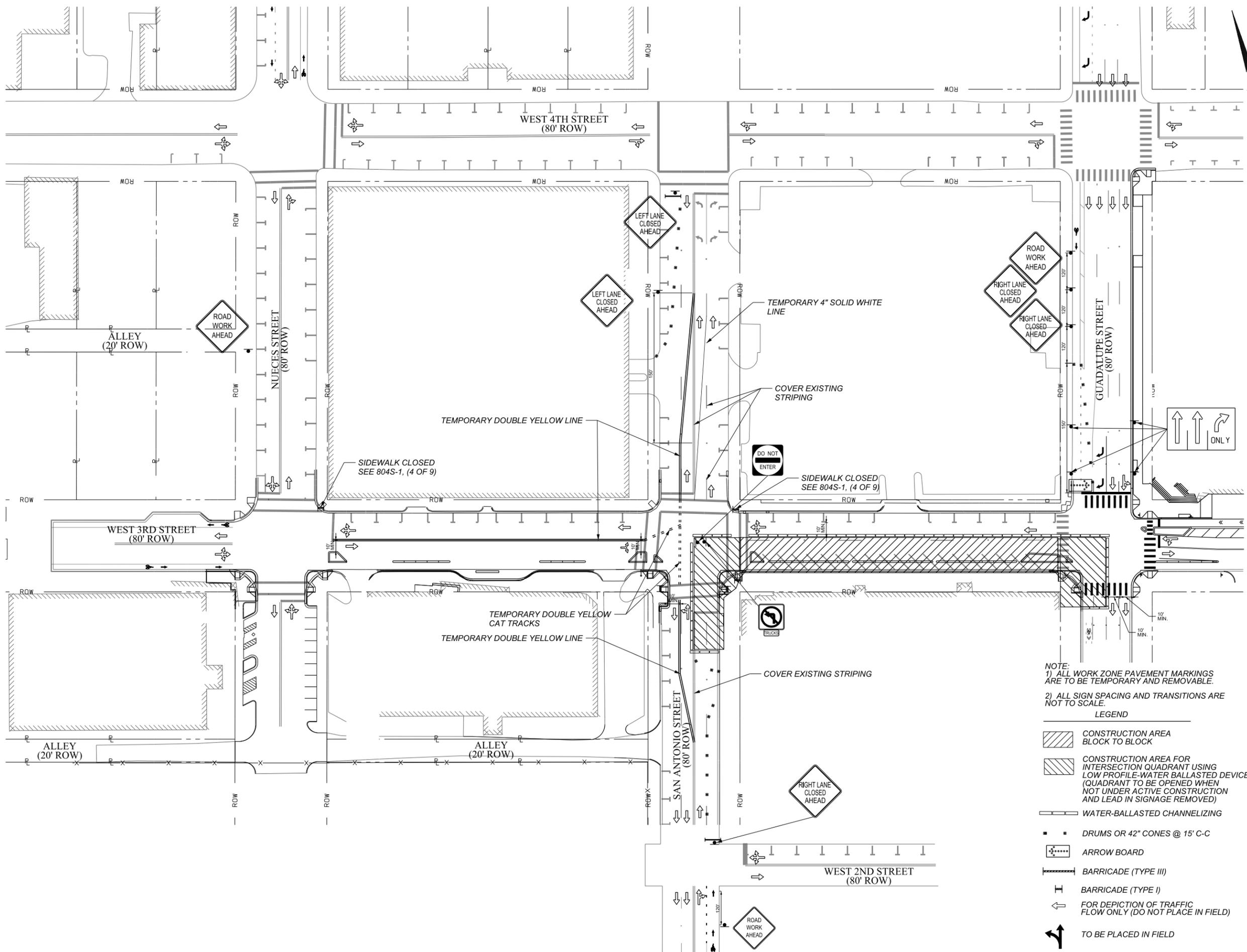
NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER **101** OF **113**

N:\Team2\PWD\_3rd Street\CON\_3RD\_PH4\PH4\_3RD\_RO\_TCP\_PH2.dgn 27-JAN-2015

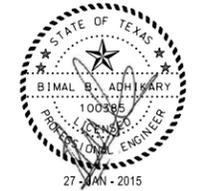


ADD 1

NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
 2) ALL SIGN SPACING AND TRANSITIONS ARE NOT TO SCALE.

- LEGEND
- CONSTRUCTION AREA BLOCK TO BLOCK
  - CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
  - WATER-BALLASTED CHANNELIZING
  - DRUMS OR 42" CONES @ 15' C-C
  - ARROW BOARD
  - BARRICADE (TYPE III)
  - BARRICADE (TYPE I)
  - FOR DEPICTION OF TRAFFIC FLOW ONLY (DO NOT PLACE IN FIELD)
  - TO BE PLACED IN FIELD

REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM 1: TITLE CHANGE



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CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION  
 3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 TRAFFIC CONTROL PLAN - RECONSTRUCTION  
 PHASE 3

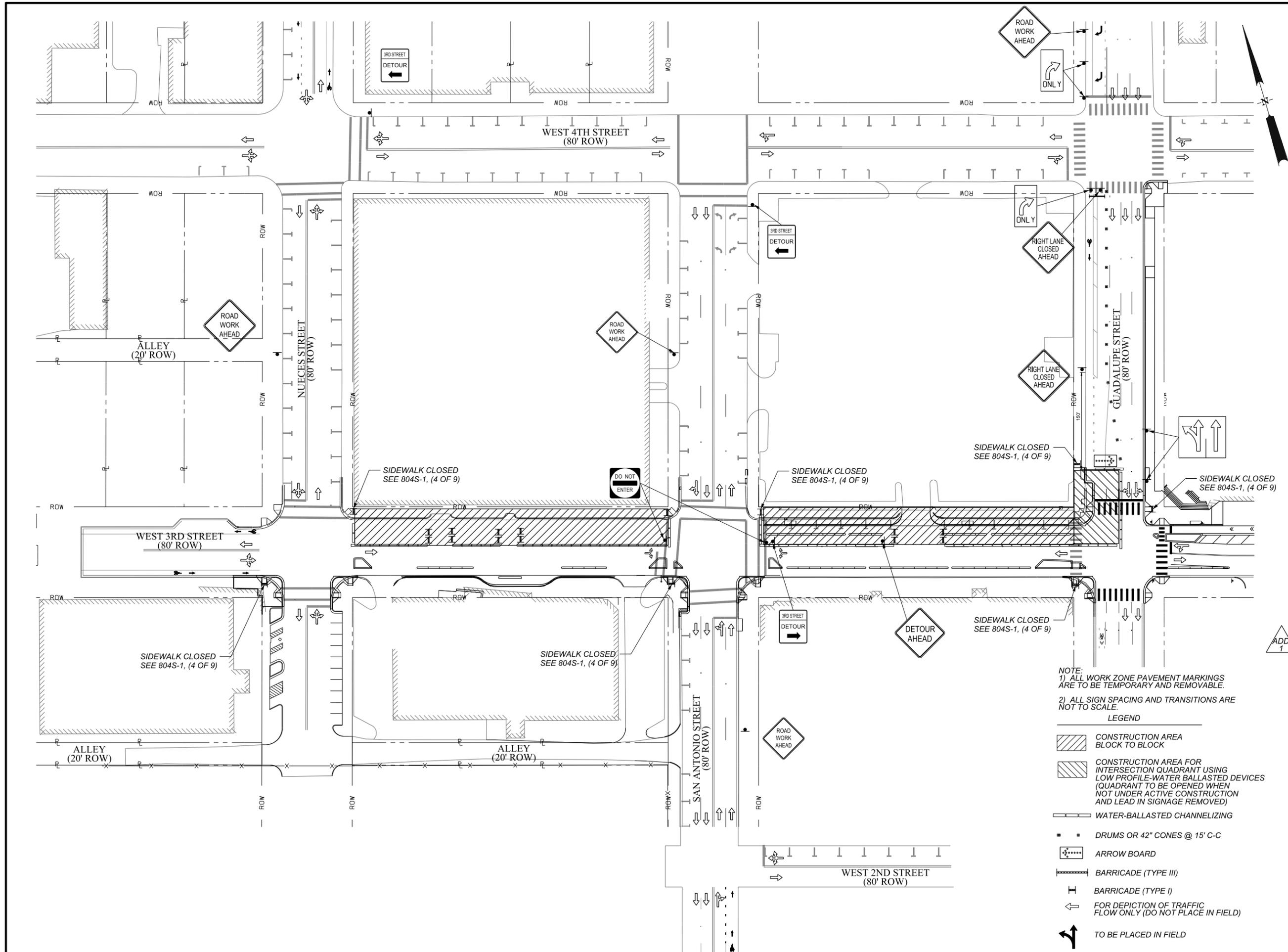


NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD  
 SHEET NUMBER **102** OF **113**

N:\Team2\PWD\_3rd Street\CON\_3RD\_PH4\PH4\_3RD\_RO\_TCP\_PH3.dgn 27-JAN-2015



NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
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- LEGEND
- CONSTRUCTION AREA BLOCK TO BLOCK
  - CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
  - WATER-BALLASTED CHANNELIZING
  - DRUMS OR 42" CONES @ 15' C-C
  - ARROW BOARD
  - BARRICADE (TYPE III)
  - BARRICADE (TYPE I)
  - FOR DEPICTION OF TRAFFIC FLOW ONLY (DO NOT PLACE IN FIELD)
  - TO BE PLACED IN FIELD

ADD 1

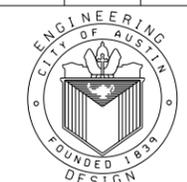
REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM 1: TITLE CHANGE



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CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION

**3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 TRAFFIC CONTROL PLAN - RECONSTRUCTION  
 PHASE 4**



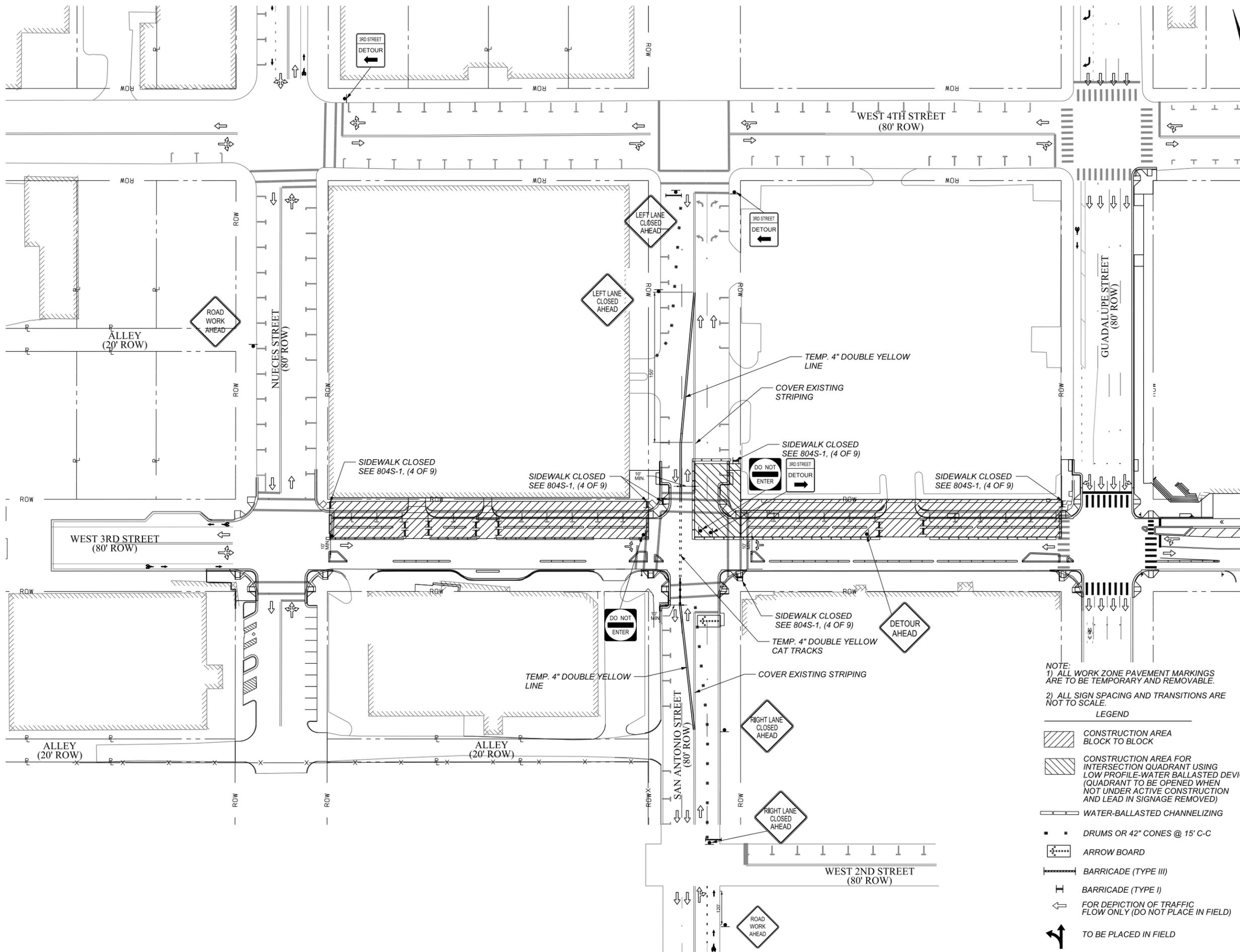
NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER **103** OF **113**

N:\Team2\PWD\_3rd Street\CON\_3RD\_PH4\PH4\_3RD\_RD\_TCP\_P4.dgn 27-JAN-2015



NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
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**LEGEND**

	CONSTRUCTION AREA BLOCK TO BLOCK
	CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
	WATER-BALLASTED CHANNELIZING
	DRUMS OR 42" CONES @ 15' C-C
	ARROW BOARD
	BARRICADE (TYPE III)
	BARRICADE (TYPE I)
	FOR DEPICTION OF TRAFFIC FLOW ONLY (DO NOT PLACE IN FIELD)
	TO BE PLACED IN FIELD

REV. NO.	DATE	REVISION DESCRIPTION
ADD FR	01/27/15	ADDENDUM 1: TITLE CHANGE



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**CITY OF AUSTIN, TEXAS**  
**DEPARTMENT OF PUBLIC WORKS**  
**ENGINEERING SERVICES DIVISION**  
**3RD ST. RECONSTRUCTION**  
**PHASE 4 - GUADALUPE ST. TO NUECES ST.**  
**TRAFFIC CONTROL PLAN - RECONSTRUCTION**  
**PHASE 5**

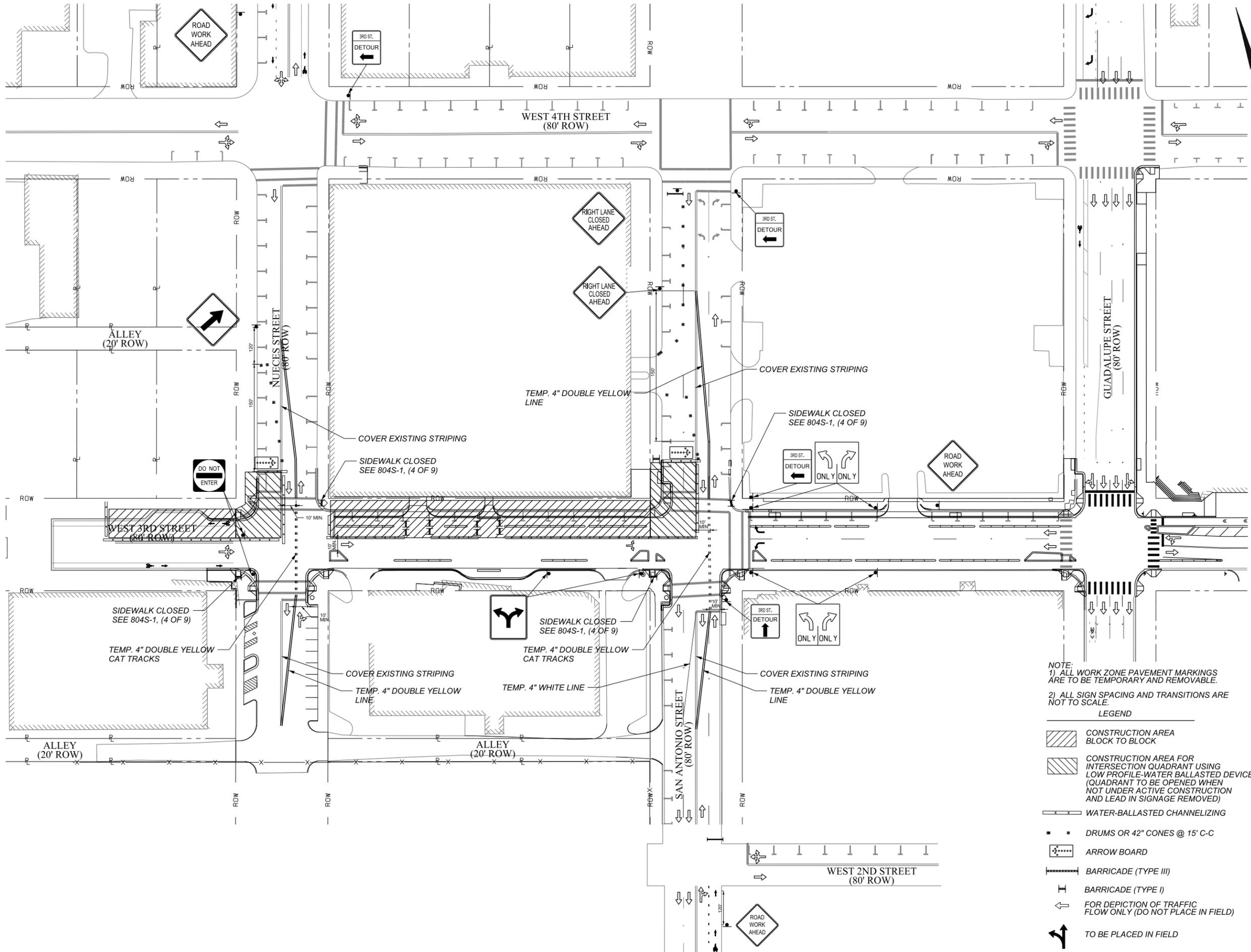


NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD  
 SHEET NUMBER **104** OF **113**

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NOTE:  
 1) ALL WORK ZONE PAVEMENT MARKINGS ARE TO BE TEMPORARY AND REMOVABLE.  
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LEGEND

	CONSTRUCTION AREA BLOCK TO BLOCK
	CONSTRUCTION AREA FOR INTERSECTION QUADRANT USING LOW PROFILE-WATER BALLASTED DEVICES (QUADRANT TO BE OPENED WHEN NOT UNDER ACTIVE CONSTRUCTION AND LEAD IN SIGNAGE REMOVED)
	WATER-BALLASTED CHANNELIZING
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	ARROW BOARD
	BARRICADE (TYPE III)
	BARRICADE (TYPE I)
	FOR DEPICTION OF TRAFFIC FLOW ONLY (DO NOT PLACE IN FIELD)
	TO BE PLACED IN FIELD

REV. NO.	DATE	REVISION DESCRIPTION
ADD 1	01/27/15	ADDENDUM 1: TITLE CHANGE



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CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION  
 3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 TRAFFIC CONTROL PLAN - RECONSTRUCTION  
 PHASE 6

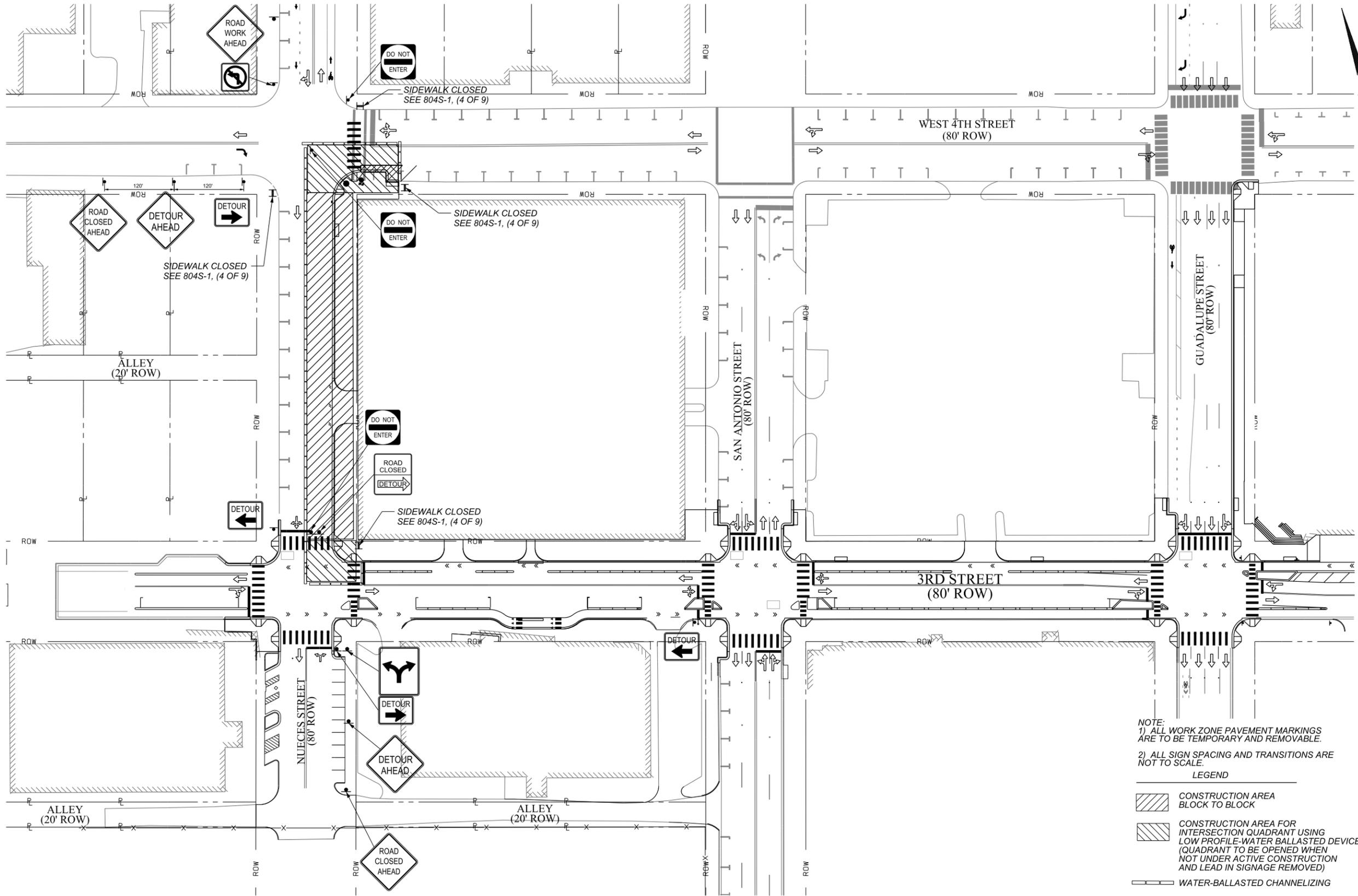


NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD  
 SHEET NUMBER 105 OF 113

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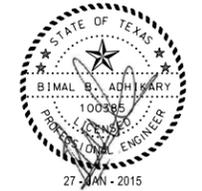


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CITY OF AUSTIN, TEXAS  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING SERVICES DIVISION

**3RD ST. RECONSTRUCTION  
 PHASE 4 - GUADALUPE ST. TO NUECES ST.  
 TRAFFIC CONTROL PLAN - RECONSTRUCTION  
 PHASE 7**



NOTES	NAME	DATE
SURVEY BY	COA	05/09
DRAWN BY	JLC	09/14
DESIGNED BY	FR	09/14
CHECKED BY	BA	09/14
REVIEWED BY	BA	09/14



PERMIT NUMBER  
 GP 201x - xxxx .PWD

SHEET NUMBER **106** OF **113**

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