

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

ADDENDUM No. 1

Date May 2, 2016

City of Austin

Project Name: Waters Park Relief Main & Southern Portion of Northern Walnut Creek Trail Phase 1A

C.I.P. No. 3168.039

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated April 11, 2016. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

VOLUME 1 OF 2: REMOVE IN ITS ENTIRETY SECTION 00020 INVITATION FOR BIDS AND REPLACE WITH THE ATTACHED SECTION 00020 INVITATION FOR BIDS

VOLUME 1 OF 2: REMOVE IN ITS ENTIRETY SECTION 00300U UNIT PRICE BID FORM AND REPLACE WITH THE ATTACHED SECTION 00300U UNIT PRICE BID FORM

VOLUME 1 OF 2: REMOVE IN ITS ENTIRETY SECTION 00810 SUPPLEMENTAL GENERAL CONDITIONS AND REPLACE WITH THE ATTACHED SECTION 00810 SUPPLEMENTAL GENERAL CONDITIONS

VOLUME 1 OF 2: REMOVE IN ITS ENTIRETY SECTION 01010 SUMMARY OF WORK AND REPLACE WITH THE ATTACHED SECTION 01010 SUMMARY OF WORK

VOLUME 1 OF 2: REMOVE IN ITS ENTIRETY SPECIAL PROVISION 414S CONCRETE RETAINING WALL AND REPLACE WITH THE ATTACHED SPECIAL PROVISION 414S CONCRETE RETAINING WALL

B. Drawing Revisions:

REPLACE SHEET 2 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 2

REPLACE SHEET 29 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 29

REPLACE SHEET 30 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 30

REPLACE SHEET 31 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 31

REPLACE SHEET 32 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 32

REPLACE SHEET 33 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 33

REPLACE SHEET 34 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 34

REPLACE SHEET 35 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 35

REPLACE SHEET 36 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 36

REPLACE SHEET 37 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 37

REPLACE SHEET 42 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 42

REPLACE SHEET 43 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 43

REPLACE SHEET 46 IN ITS ENTIRETY AND REPLACE WITH ATTACHED SHEET 46

This addendum consists of 43 pages and 13 sheets.

Clay Davis

Approved by OWNER

T.M.O.

Approved by ENGINEER/ARCHITECT

END



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

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

The City of Austin, hereafter called OWNER, is requesting sealed written Bids for furnishing all labor, materials, equipment, supervision, and incidentals, and for performing all Work required for the following Project: Waters Park Relief Main and Southern Portion of Northern Walnut Creek Trail Phase 1A.

Located at: Balcones District Park (12017 Amherst Drive) and continues north along Leaf Lane, Scribe Drive, and ends in Adelphi Lane.

CIP ID#: 3168.039

IFB#: 6100 CLMC577

The Work consists of: Construction of 36-inch and 42-inch wastewater main by open cut and trenchless installation along with appurtenances. Other work includes HMAC mill and overlay, concrete bike trail, bypass pumping, abandoning existing wastewater lines, storm water pipe relocation, erosion & sedimentation controls, tree protection, traffic control, re-vegetation, sidewalk, curb & gutter, driveway repairs, and miscellaneous work contained in the contract documents.

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

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

Sealed Bids will be received at the Capital Contracting Office, **One Texas Center, 505 Barton Springs Rd., Suite 1045-C, Austin, Texas 78704** and then publicly opened and read aloud in the **SUITE 1045-C, Congress Conference Room.**

ALL BIDS ARE DUE PRIOR TO (Austin time) May 12, 2016 at 9:30 am.

ALL COMPLIANCE PLANS ARE DUE PRIOR TO (Austin time) May 12, 2016 at 1:30 pm.

BIDS WILL BE OPENED AT (Austin time) May 12, 2016 at 1:30 pm..

ALL BIDS AND COMPLIANCE PLANS NOT RECEIVED PRIOR TO THE DATE AND TIME SET FORTH ABOVE WILL NOT BE ACCEPTED FOR CONSIDERATION. The time stamp clock in **SUITE 1045-C** is the time of record and is verified with www.time.gov, the official U.S. time.

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

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

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

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

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

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

Contract Time is of the essence and all Work associated with the **Intermediate Milestone** as defined in 01010 "Summary of Work" shall be substantially completed within **364 Calendar Days** after date specified in the Notice to Proceed. All work shall be **substantially complete**, as required by the Project Manual, Drawings and Addenda for the Work within **540 Calendar Days** after the date specified in the Notice to Proceed, in accordance with the Bid Form, Section 00300. **Final completion shall be achieved within 120 Calendar Days after substantial completion. Liquidated damages are \$990 per Calendar Day for failure to complete the work associated with the Intermediate Milestone, \$1,320 per Calendar Day for failure to substantially complete the work, and \$360 per Calendar Day for failure to achieve final completion within 120 Calendar Days after substantial completion, in accordance with the Bid Form, Section 00300.**

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

A **mandatory** Pre-Bid Conference will be held on **Friday, April 22, 2016 at 9:30 am Austin time) at One Texas Center, 505 Barton Springs Road, Ste. 825, Austin, TX 78704.** Austin, Texas. Attendance is mandatory unless otherwise stated. Bidders must attend any mandatory Pre-Bid Conference and are encouraged to attend any non-mandatory Pre-Bid Conference to ensure their understanding of Owner's bidding and contracting requirements, particularly MBE/WBE Procurement Program requirements. If the Pre-Bid Conference is mandatory the Bidder must arrive and sign-in within fifteen (15) minutes of the scheduled start time of the meeting, otherwise the Bidder will not be allowed to submit a Bid for the project.

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

AUTHORIZED CONTACT PERSONS

PROJECT MANAGER: Clay Harris, Telephone (512) 974-7895
 Email: clay.harris@austintexas.gov

CONTRACT COMPLIANCE REP.: Monica Lopez, Telephone (512) 974-7057
 Email: monica.lopez@austintexas.gov

Bidding Requirements, Contract Forms and Conditions of the Contract
UNIT PRICE BID FORM
Section 00300U

The undersigned, in compliance with the Invitation for Bids for construction of the following Project: Waters Park Relief Main and southern Portion of Northern Walnut Creek Trail Phase 1A

(CIP ID# 3168.039) (IFB# 6100 CLMC577) for the City of Austin, Texas, having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated for the following prices of:

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

SECTION A - GENERAL ITEMS

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
101S-A	7.6	AC	Preparing Right of Way _____ _____	\$_____	\$_____
602S-B	275	SY	St. Augustine Block Sodding _____ _____	\$_____	\$_____
602S-D	1,290	SY	Grass Sodding _____ _____	\$_____	\$_____
604S-A	4,005	SY	Non-Native Seeding for Erosion Control Method, Hydraulic Planting_____	\$_____	\$_____
604S-D	11,500	SY	Native Seeding for Erosion Control Method, Hydraulic Planting_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
604S-G	440	SY	Mulch_____	\$_____	\$_____
608S-1(B)	15	EA	Planting Type "Burr Oak", Size in inches 3_____	\$_____	\$_____
608S-1(C)	15	EA	Planting Type "Cedar Elm", Size in inches 3_____	\$_____	\$_____
608S-1(D)	20	EA	Planting Type "Desert Willow", Size in inches 2_____	\$_____	\$_____
608S-1(L)	17	EA	Planting Type "Lacey Oak", Size in inches 2_____	\$_____	\$_____
608S-1(M)	11	EA	Planting Type "Mountain Laurel", Size in inches 1.5_____	\$_____	\$_____
608S-1(O)	5	EA	Planting Type "Live Oak", Size in inches 3_____	\$_____	\$_____
608S-1(P)	5	EA	Planting Type "Possumhaw", Size in inches 1.5_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
608S-1(T)	12	EA	Planting Type "Texas Persimmon", Size in inches 1.5_	\$_____	\$_____
608S-1(X)	25	EA	Planting Type "Mexican Plum", Size in inches 2_____	\$_____	\$_____
609S-A	10,160	SY	Topsoil and Seedbed Preparation	\$_____	\$_____
609S-C	95	SY	Native Grassland Seeding and Planting_____	\$_____	\$_____
610S-A	2,400	LF	Protective Fencing Type A Chain Link fence (Typical Application - high damage potential_____	\$_____	\$_____
SP610S-P	1	LS	Remedial Tree Care_____	\$_____	\$_____
610S-R1	81	EA	Removal of Existing Trees (4" to 12")_____	\$_____	\$_____
610S-R2	3	EA	Removal of Existing Trees (12" to 18")_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
610S-R3	1	EA	Removal of Existing Trees (18" to 24")_____	\$_____	\$_____
628S-B	375	LF	Sediment Containment Dikes with filter fabric_____	\$_____	\$_____
639S	45	LF	Rock Berm_____	\$_____	\$_____
641S	1	EA	Stabilized Construction Entrance _____	\$_____	\$_____
642S	3,240	LF	Silt Fence for Erosion Control _____	\$_____	\$_____
648S	32	LF	Mulch Sock_____	\$_____	\$_____
700S-TM	1	LS	Total Mobilization Payment____	\$_____	\$_____
701S-T	4,500	LF	Temporary Fence, 8 Foot High, Chain Link Type_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
802S-B C.I.P.	2	EA	C.I.P. Project Sign_____	\$_____	\$_____
803S-CD	540	CD	Barricades, Signs and Traffic Handling_____	\$_____	\$_____
803S-SF	500	LF	Safety Fence_____	\$_____	\$_____
SP803S- PCMB	540	CD	Portable Changeable Message Board_____	\$_____	\$_____

SUBTOTAL SECTION A – GENERAL ITEMS..... \$_____

SECTION B – WASTEWATER LINE ITEMS

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
210S-A	3,350	CY	Flexible Base_____	\$_____	\$_____
315S-A	12,095	SY	Surface Milling_____	\$_____	\$_____
340S-B(B)	55	SY	Hot Mix Asphaltic Concrete Pavement, 4 inches, Type B	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
340S-B(D)	12,095	SY	Hot Mix Asphaltic Concrete Pavement, 2 inches, Type D	\$_____	\$_____
432SR-5	365	SF	Reconstruct Concrete Sidewalks to 5 Inch thickness, including removal of existing sidewalk	\$_____	\$_____
SP503A	21	EA	Watertight Ring and Cover	\$_____	\$_____
504S-3W	8	EA	Adjusting Water Valve Boxes to Grade	\$_____	\$_____
505S-B	564	LF	Encasement Pipe 54 inch Dia., Type Steel	\$_____	\$_____
506S 4WW	8	EA	Minor Manhole Height Adjustment, 48 inch Dia.	\$_____	\$_____
506S ABWW	4	EA	Abandonment of existing Manholes	\$_____	\$_____
506S M1WW48	1	EA	Standard Pre-Cast Manhole w/ CIP Base, 48 inch Dia.	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
508S-I10S	1	EA	Inlet, Standard_____	\$_____	\$_____
509S-1	3,329	LF	Trench Excavation Safety Protective Systems (all depths)	\$_____	\$_____
510-ASD 18Dia	17	LF	Pipe, 18 inch Dia. RCP (all depths), including excavation and Backfill _____	\$_____	\$_____
510-AW6Dia	200	LF	Pipe, 6 inch Dia. Ductile Iron Type (all depth) including Excavation and Backfill_____	\$_____	\$_____
510-AW8Dia	200	LF	Pipe, 8 inch Dia. Ductile Iron Type (all depth) including Excavation and Backfill_____	\$_____	\$_____
510-AWW 6Dia	45	LF	Pipe, 6 inch Dia. PVC ASTM 3034 SDR 26 Type (all depth) including Excavation and Backfill	\$_____	\$_____
510-AWW 12Dia	40	LF	Pipe, 12 inch Dia. PVC ASTM 3034 SDR 26 Type (all depth) including Excavation and Backfill	\$_____	\$_____
510-AWW 36Dia	3,357	LF	Pipe, 36 inch Dia. PVC ASTM F679 PS 115 Type (all depth) including Excavation and Backfill	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
510-AWW 42Dia	34	LF	Pipe, 42 inch Dia. PVC ASTM F679 PS 115 Type (all depth) including Excavation and Backfill	\$_____	\$_____
SP510- ABWW	522	LF	Abandonment of Existing AC Pipe including Controlled Low Strength Material	\$_____	\$_____
510-BWW 6X6	1	EA	Connecting New 6" Service to Existing Private Service (6" Dia. New Service to 6" Dia. Private Service) _____	\$_____	\$_____
510-FWW	83	LF	Concrete Trench Cap, 4 Ft. Width_____	\$_____	\$_____
SP510- FWW5	368	LF	Rock Rubble Trench Cap, 5 Ft. Width_____	\$_____	\$_____
SP510- FWW9	160	LF	Scour Channel Trench Cap, 9 Ft. Width_____	\$_____	\$_____
SP510-RWW	131	LF	Removal of Existing AC Pipe _____	\$_____	\$_____
658S-1	1	EA	Temporary Void Protection (Plywood Planking)_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
658S-2	3	CY	Controlled Low Strength Material for Void Mitigation_____	\$_____	\$_____
658S-3	3	EA	Pea Gravel-Filled Polypropylene Bags for Void Mitigation _____	\$_____	\$_____
658S-4	2	CF	3 to 5 Inch Rock for Void Mitigation_____	\$_____	\$_____
658S-5	3	SY	Filter Fabric for Void Mitigation _____	\$_____	\$_____
658S-6	12	SY	Permanent Turf Reinforcement Mat for Void Mitigation _____	\$_____	\$_____
658S-7	3	CF	Low Slump Concrete _____	\$_____	\$_____
658S-8	5	LF	Special Trench Safety Associated With Observation of Voids and/or Flowing Water _____	\$_____	\$_____
658S-9	10	DAY	Downtime Associated with Observation of Voids and/or Flowing Water _____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
824S	4	EA	Traffic Signs_____	\$_____	\$_____
863S-4	4	EA	Reflectorized Pavement Markers (Type II-B-B)_____	\$_____	\$_____
871S-A	30	LF	Reflectorized Type I Thermoplastic Pavement Markings, 24 Inches in width, 90 mils in thickness white in color	\$_____	\$_____
SS01540A	1	LS	Bypass Pumping – Complete in Place at WWMH No. 30_____	\$_____	\$_____
SS01540B	1	LS	Bypass Pumping – Complete in Place at WWMH No. 4_____	\$_____	\$_____
SS01540C	1	LS	Bypass Pumping – Complete in Place at WWMH No. 86191_____	\$_____	\$_____
SS01540D	1	LS	Bypass Pumping – Complete in Place at WWMH No. 124770_____	\$_____	\$_____
SS02430	564	LF	Tunnel Excavation by MTBM or TBM Method _____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS03330	564	LF	Low Density Cellular Concrete _____ _____	\$_____	\$_____
SS03465 A72	14	EA	Watertight Pre-Cast Polymer Concrete Manhole, 72 inch Diameter _____	\$_____	\$_____
SS03465 B72	7	EA	Pre-Cast Polymer Concrete Manhole, 72 inch Diameter _____	\$_____	\$_____
SS03465 C72	42	VF	Pre-Cast Polymer Concrete Manhole Riser, 72 inch Diameter _____	\$_____	\$_____
SS03465 D1	1	LS	WWMH No. 1, including 120" Base and Riser, complete in Place _____	\$_____	\$_____
SS03465 D2	1	LS	WWMH No. 2, including 120" Base and Riser, complete in Place _____	\$_____	\$_____
SS03465 D5	1	LS	Drop WWMH No. 5, including 72" Base and Riser, complete in Place _____	\$_____	\$_____
SS03465 D6	1	LS	Drop WWMH No. 6, including 72" Base and Riser, complete in Place _____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS03465 D29	1	LS	Cast-in-Place WWMH No. 29, including 84" Base and Riser, complete in Place _____	\$_____	\$_____
SS03465 D30	1	LS	Cast-in-Place WWMH No. 30, including 84" Base and Riser, complete in Place _____	\$_____	\$_____
SUBTOTAL SECTION B – WASTEWATER LINE ITEMS.....				\$_____	

SECTION C - TRAIL SEGMENT 2 ITEMS

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
104S-C	612	SF	Remove P.C. Concrete Sidewalks and Driveways_____	\$_____	\$_____
111S-A (C)	78	CY	Excavation_____	\$_____	\$_____
132S-A (C)	188	CY	Embankment_____	\$_____	\$_____
204S-A (C)	1,058	SY	Portland Cement Treatment of Materials in Place 6 inch Thickness_____	\$_____	\$_____
204S-B (C)	76	BL	Portland Cement (6 lb/cf)_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
360S-A (C)	757	SY	6 In. Concrete Pavement_____	\$_____	\$_____
401S-A (C)	68	CY	Unclassified Structural Excavation, Plan Quantity_____	\$_____	\$_____
414S-C (C)	51	CY	Cast-in-place Portland Cement Concrete Retaining Wall, including Reinforcement	\$_____	\$_____
SP414S-FL (C)	532	SF	Form Liner for Cast-in-Place Portland Cement Concrete Retaining Wall	\$_____	\$_____
432S-PRC-2	85	LF	Pedestrian ADA Railing – Option 1 (Standard 707S-2) _____	\$_____	\$_____
SUBTOTAL SECTION C – TRAIL SEGMENT 2 ITEMS.....				\$_____	

SECTION D - TRAIL SEGMENT 1 ITEMS

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
104S-F	7	EA	Remove P.C. Concrete Foundations_____	\$_____	\$_____
111S-A (D)	87	CY	Excavation_____	\$_____	\$_____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
132S-A (D)	212	CY	Embankment_____	\$_____	\$_____
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204S-A (D)	1,192	SY	Portland Cement Treatment of Materials in Place 6 inch Thickness_____	\$_____	\$_____
<hr/>					
204S-B (D)	86	BL	Portland Cement (6 lb/cf)_____	\$_____	\$_____
<hr/>					
360S-A (D)	853	SY	6 In. Concrete Pavement_____	\$_____	\$_____
<hr/>					
401S-A (D)	76	CY	Unclassified Structural Excavation, Plan Quantity _____	\$_____	\$_____
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414S-C (D)	36	CY	Cast-in-place Portland Cement Concrete Retaining Wall, including Reinforcement	\$_____	\$_____
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SP414S-FL (D)	418	SF	Form Liner for Cast-in-Place Portland Cement Concrete Retaining Wall	\$_____	\$_____
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824S (D)	14	EA	Traffic Signs_____	\$_____	\$_____
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SUBTOTAL SECTION D – TRAIL SEGMENT 1 ITEMS.....				\$_____	

SUBTOTAL SECTION A – GENERAL ITEMS.....	\$ _____
SUBTOTAL SECTION B – WASTEWATER LINE ITEMS.....	\$ _____
SUBTOTAL SECTION C – TRAIL SEGMENT 2 ITEMS.....	\$ _____
SUBTOTAL SECTION D – TRAIL SEGMENT 1 ITEMS.....	\$ _____
TOTAL BID:	\$ _____

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

Optional Information on Bid Prices Submitted by Computer Printout

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

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

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

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

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

BID GUARANTY: A Bid guaranty must be enclosed with this Bid, as required in Section 00020, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of (120) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

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

GEOTECHNICAL BASELINE ACKNOWLEDGEMENT: The undersigned bidder certifies that he/she has read and understands the Geotechnical Baseline Report (GBR), the Geotechnical Data Report, the Reflection Survey Report, and all other geological and geotechnical information and data as provided in the Contract Documents, including all Addenda. **The Bidder acknowledges and agrees that the GBR represents the contractual statement of the subsurface conditions reasonably anticipated to be encountered during construction. The GBR will be used to evaluate whether subsurface conditions differ materially from those indicated in the GBR.**

TIME OF COMPLETION:

The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to **substantially** complete the Intermediate Milestone as defined in 01010 "Summary of Work" within 364 Calendar Days. All work shall be substantially complete, as required by the Project Manual, Drawings and Addenda for the Work within **Five Hundred Forty (540) Calendar Days. The Bidder further agrees to reach Final Completion within One Hundred twenty (120) Calendar Days after Substantial Completion as required by the Project Manual, Drawings and Addenda for the work.** The Bidder further agrees that should the Bidder fail to (**substantially complete the Work or to**)(finally) complete the Work within the number of days indicated in the Bid or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law.

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

LIQUIDATED DAMAGES: The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder. Therefore, the Bidder and the OWNER agree that for each and every **Calendar Day** the Work or any portion thereof, remains incomplete after the Intermediate Milestone date as established by the above paragraph, "Time of Completion", **payment will be due to the Owner in the amount of nine hundred ninety dollars (\$990) per Calendar Day for failure to complete the work associated with the Intermediate Milestone, one thousand three hundred twenty (\$1,320) per Calendar Day for failure to substantially complete the work, and three hundred sixty (\$360) per Calendar Day for failure to achieve final completion within 120 Calendar Days after substantial completion,** as liquidated damages, not as a penalty, but for delay damages to the OWNER. Such amount shall be deducted by the OWNER from any Contract payment due. In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

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

The undersigned acknowledges receipt of the following addenda:

- Addendum No. 1 dated _____ Received _____
- Addendum No. 2 dated _____ Received _____
- Addendum No. 3 dated _____ Received _____
- Addendum No. 4 dated _____ Received _____
- Addendum No. 5 dated _____ Received _____

Secretary, *if Bidder is a Corporation

Bidder

(Seal)

Authorized Signature

Title

Date

Address

Telephone Number / FAX Number

Email Address for Person Signing Bid

Email Address for Bidder's Primary Contact Person

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

EXAMPLE: BID PRICES SUBMITTED BY COMPUTER PRINTOUT

Project Name:
CIP ID #:
IFB #:

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

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

Signed: _____

Title: _____

Date: _____

End

Bidding Requirements, Contract Forms and Conditions of the Contract
SUPPLEMENTAL GENERAL CONDITIONS
Section 00810

The Supplemental General Conditions contained herein amend or supplement the General Conditions, Section 00700.

ARTICLE 1 - DEFINITIONS

Add the following definition:

"1.20 Engineer/Architect (E/A): Add the following:

Name: Thomas M. Owens, P.E.
K Friese & Associates, Inc.
Address: 1120 S. Capital of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746"

Add the following definitions:

"1.51 Insurance Cost Form - Section 00425A of the Contract, submitted by CONTRACTOR with its Bid, used to notify OWNER of insurance costs not included in CONTRACTOR's Bid as a result of the OWNER providing insurance through ROCIP.

1.52 Payment Form - A form used by the ROCIP Administrator to notify the OWNER's Project Manager that all required insurance information and documentation has been received from CONTRACTOR.

1.53 OWNER's ROCIP Administrator - The insurance broker responsible for administering the OWNER's Rolling Owner Controlled Insurance Program (ROCIP).

1.54 Rolling Owner Controlled Insurance Program (ROCIP) - A specialized insurance program provided by OWNER for specifically identified Capital Improvements Program (CIP) projects."

1.57 "Mobilization Prompt Payment Program - The Owner's Mobilization Prompt Payment Program, will allow bimonthly payments during "critical mobilization stages" as specified in the Contract Documents by the Prime Contractor. The Mobilization Prompt Payment Program will only apply to projects with a construction cost of greater than \$2,000,000."

ARTICLE 2 - PRELIMINARY MATTERS

2.1 Delivery of Agreement, Bonds, Insurance, etc.: Add the following:

"2.1.1 CONTRACTOR shall complete enrollment in the Rolling Owner Controlled Insurance Program (ROCIP) within five (5) Working Days after written notification of award of Contract."

Add the following modification to the end of 2.4.2.1:

.1 The Baseline Schedule and schedule submittals for Projects in the Mobilization Prompt Payment Program, must identify periods of "critical mobilization." The periods of critical mobilization will include the first two months of the Contract Time and additional periods identified by the Contractor and approved by Owner when peak Subcontractor mobilization will occur.

ARTICLE 5 - BONDS AND INSURANCE**"5.3 Insurance:****5.3.1 CONTRACTOR Provided Insurance**

CONTRACTOR shall provide insurance coverages described in paragraph(s) 5.3.1.1 and 5.3.1.2 (and 5.3.1.5 and 5.3.1.6, as required) for all Work required by the Contract through the end of the warranty period (with the exception of Builders' Risk, which is required only until the Work is accepted by OWNER). In addition, CONTRACTOR shall provide insurance coverages described in Paragraph(s) 5.3.1.3 and 5.3.1.4 from Substantial Completion of the Work (in accordance with Section 00700 General Conditions Paragraph 14.11) to the end of the warranty period.

Subcontractors performing Work which involves asbestos, hazardous material or pollution defined as asbestos or any other excluded contractor as described in 5.3.2.1 will not be enrolled in the Rolling Owner Controlled Insurance Program (ROCIP) and must provide insurance as specified in paragraphs 5.3.1.1 through 5.3.1.6.

In the event that the Rolling Owner Controlled Insurance Program (ROCIP) or the coverage it provides to the Project is terminated for any reason, whether prior to the start of Work or any time during the Work, upon thirty (30) days Written Notice from OWNER, CONTRACTOR shall purchase and maintain as minimum the insurance coverages described in Paragraphs 5.3.1.3 and 5.3.1.4, for all Work remaining under the Contract through the end of the warranty period. All insurance secured by CONTRACTOR, Subcontractors and Sub-subcontractors pursuant to OWNER's requirements under this provision shall be in accordance with Article 5 of the General Conditions and paragraph 5.3.1.1 of this section. If CONTRACTOR is required to provide insurance as described in paragraphs 5.3.1.3 and 5.3.1.4, OWNER shall reimburse CONTRACTOR for the reasonable cost of providing the insurance described therein based upon the "Total Cost of Insurance for Base Bid" (plus total of all "Total Cost of Insurance for Alternates" selected by OWNER) as stated by CONTRACTOR in Contract Section 00425A (Insurance Cost Form) pro rated to take into account the Contract Time and Work remaining for performance of CONTRACTOR's obligations under the Contract.

5.3.1.1 General Requirements.

- .1 CONTRACTOR shall carry insurance in the types and amounts indicated below for the duration of the Contract, which shall include items owned by OWNER in the care, custody and control of CONTRACTOR prior to and during construction and warranty period.
- .2 CONTRACTOR must complete and forward the Certificate of Insurance, Section 00650, to OWNER before the Contract is executed as verification of coverage required below. CONTRACTOR shall not commence Work until the required insurance is obtained and until such insurance has been reviewed by OWNER. Approval of insurance by OWNER shall not relieve or decrease the liability of CONTRACTOR hereunder and shall not be construed to be a limitation of liability on the part of CONTRACTOR. CONTRACTOR must also complete and forward the Certificate of Insurance, Section 00650, to OWNER whenever a previously identified policy period has expired as verification of continuing coverage.
- .3 CONTRACTOR's insurance coverage is to be written by companies licensed to do business in the State of Texas at the time the policies are issued and shall be written by companies with A.M. Best ratings of B+VII or better, except for hazardous material insurance which shall be written by companies with A.M. Best ratings of A- or better.
- .4 All endorsements naming the OWNER as additional insured, waivers, and notices of cancellation endorsements as well as the Certificate of Insurance

shall indicate: City of Austin, Capital Contracting Office, P.O. Box 1088, Austin, Texas 78767.

.1 In addition to the OWNER, Barrington Austin Apartments LLC, 100 Wells Avenue, Newton, MA 02459 shall be added as an additional insured.

- .5 The "other" insurance clause shall not apply to the OWNER where the OWNER is an additional insured shown on any policy. It is intended that policies required in the Contract, covering both OWNER and CONTRACTOR, shall be considered primary coverage as applicable.
- .6 If insurance policies are not written for amounts specified below, CONTRACTOR shall carry Umbrella or Excess Liability Insurance for any differences in amounts specified. If Excess Liability Insurance is provided, it shall follow the form of the primary coverage.
- .7 OWNER shall be entitled, upon request and without expense, to receive certified copies of policies and endorsements thereto and may make any reasonable requests for deletion or revision or modification of particular policy terms, conditions, limitations, or exclusions except where policy provisions are established by law or regulations binding upon either of the parties hereto or the underwriter on any such policies.
- .8 OWNER reserves the right to review the insurance requirements set forth during the effective period of this Contract and to make reasonable adjustments to insurance coverage, limits, and exclusions when deemed necessary and prudent by OWNER based upon changes in statutory law, court decisions, the claims history of the industry or financial condition of the insurance company as well as CONTRACTOR.
- .9 CONTRACTOR shall not cause any insurance to be canceled nor permit any insurance to lapse during the term of the Contract or as required in the Contract.
- .10 CONTRACTOR shall be responsible for premiums, deductibles and self-insured retentions, if any, stated in policies. All deductibles or self-insured retentions shall be disclosed on the Certificate of Insurance.
- .11 CONTRACTOR shall provide OWNER thirty (30) days written notice of erosion of the aggregate limits below occurrence limits for all applicable coverages indicated within the Contract.
- .12 If OWNER owned property is being transported or stored off-site by CONTRACTOR, then the appropriate property policy will be endorsed for transit and storage in an amount sufficient to protect OWNER's property.
- .13 The insurance coverages required under this contract are required minimums and are not intended to limit the responsibility or liability of CONTRACTOR.

5.3.1.2 Business Automobile Liability Insurance. Provide coverage for all owned, non-owned and hired vehicles. The policy shall contain the following endorsements in favor of OWNER:

- a) Waiver of Subrogation endorsement CA 0444;
- b) 30 day Notice of Cancellation endorsement CA 0244; and
- c) Additional Insured endorsement CA 2048.

Provide coverage in the following types and amounts:

.2 A minimum combined single limit of \$1,000,000 minimum per occurrence for bodily injury and property damage.

5.3.1.3

Workers' Compensation And Employers' Liability Insurance. Coverage shall be consistent with statutory benefits outlined in the Texas Workers' Compensation Act (Section 401). CONTRACTOR shall assure compliance with this Statute by submitting two (2) copies of a standard certificate of coverage (e.g. ACCORD form) to Owner's Representative for every person providing services on the Project as acceptable proof of coverage. The Certificate of Insurance, Section 00650, must be presented as evidence of coverage for CONTRACTOR. CONTRACTOR's policy shall apply to the State of Texas and include these endorsements in favor of OWNER:

- a) Waiver of Subrogation, form WC 420304; and
- b) 30 day Notice of Cancellation, form WC 420601.

The minimum policy limits for Employers' Liability Insurance coverage shall be as follows:

.1 \$100,000 bodily injury per accident, \$500,000 bodily injury by disease policy limit and \$100,000 bodily injury by disease each employee.

5.3.1.4

Commercial General Liability Insurance. The Policy shall contain the following provisions:

- a) Contractual liability coverage for liability assumed under the Contract and all contracts relative to this Project.
- b) Completed Operations/Products Liability for the duration of the warranty period.
- c) Explosion, Collapse and Underground (X, C & U) coverage.
- d) Independent Contractors coverage (Contractors/ Subcontractors work).
- e) Aggregate limits of insurance per project, endorsement CG 2503.
- f) OWNER listed as an additional insured, endorsement CG 2010 and CG 2037 or equivalent.
- g) 30 day notice of cancellation in favor of OWNER, endorsement CG 0205.
- h) Waiver of Transfer of Recovery Against Others in favor of OWNER, endorsement CG 2404.

Provide coverages A&B with minimum limits as follows:

.2 A combined bodily injury and property damage limit of \$1,000,000 minimum per occurrence.

5.3.1.5

Builders' Risk Insurance. CONTRACTOR shall maintain Builders' Risk Insurance or Installation Insurance on an all risk physical loss form in the Contract Amount. Coverage shall continue until the Work is accepted by OWNER. OWNER shall be a loss payee on the policy. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

5.3.1.6

Hazardous Materials Insurance.

For Work which involves asbestos or any hazardous materials or pollution defined as asbestos, CONTRACTOR or Subcontractor responsible for the Work shall comply with the following insurance requirements in addition to those specified above:

.1 Provide an asbestos abatement endorsement to the Commercial General Liability policy with minimum bodily injury and property damage limits of

\$1,000,000 per occurrence for coverages A&B and products/completed operations coverage with a separate aggregate of \$1,000,000. This policy shall not exclude asbestos or any hazardous materials or pollution defined as asbestos, and shall provide "occurrence" coverage without a sunset clause. The policy shall provide 30 day Notice of Cancellation and Waiver of Subrogation endorsements in favor of OWNER.

- .2 CONTRACTOR or Subcontractor responsible for transporting asbestos or any hazardous materials defined as asbestos shall provide pollution coverage. Federal law requires interstate or intrastate transporters of asbestos to provide an MCS 90 endorsement with a \$5,000,000 limit when transporting asbestos in bulk in conveyances of gross vehicle weight rating of 10,000 pounds or more. Interstate transporters of asbestos in non-bulk in conveyances of gross vehicle weight rating of 10,000 pounds or more must provide an MCS 90 endorsement with a \$1,000,000 limit. The terms "conveyance" and "bulk" are defined by Title 49 CFR 171.8. All other transporters of asbestos shall provide either an MCS 90 endorsement with minimum limits of \$1,000,000 or an endorsement to their Commercial General Liability Insurance policy which provides coverage for bodily injury and property damage arising out of the transportation of asbestos. The endorsement shall, at a minimum, provide a \$1,000,000 limit of liability and cover events caused by the hazardous properties of airborne asbestos arising from fire, wind, hail, lightning, overturn of conveyance, collision with other vehicles or objects, and loading and unloading of conveyances.
- .3 CONTRACTOR shall submit complete copies of the policy providing pollution liability coverage to OWNER.

5.3.1.7 Professional Liability Insurance. For Work which requires professional engineering or professional survey services to meet the requirements of the Contract, including but not limited to excavation safety systems, traffic control plans, and construction surveying, the CONTRACTOR or Subcontractors, responsible for performing the professional services shall provide Professional Liability Insurance with a minimum limit of \$500,000 per claim and in the aggregate to pay on behalf of the assured all sums which the assured shall become legally obligated to pay as damages by reason of any negligent act, error, or omission committed with respect to all professional services provided in due course of the Work of this Contract.

5.3.2 OWNER Controlled Insurance.

5.3.2.1 OWNER has procured, and will maintain at its own expense a Rolling Owner Controlled Insurance Program (ROCIP) with the following coverage for OWNER, CONTRACTOR, each Subcontractor and their respective Sub-subcontractors while engaged in Work under the Contract. It is not the intent of this ROCIP to cover architects, engineers (not including design/build subcontractors), consultants, vendors, suppliers (who do not perform or subcontract installation), material dealers, guard services, janitorial services, truckers. Moreover, this ROCIP will not provide coverage for:

- .1 Contractors and subcontractors whose main function is abating asbestos or removing hazardous materials and/or waste from the project site;
- .2 Others whose sole function is to transport, pickup, deliver or carry materials, supplies, tools, equipment, parts or other items to or from the project site;

- .3 Any employee(s) of the Contractor or an enrolled subcontractor of any tier that does not work and/or generate payroll at the Project Site

5.3.2.2 Workers' Compensation and Employers' Liability Insurance. All states including monopolistic.

- .1 Workers' Compensation - Statutory Benefits for Texas or state of hire as required by statute.
- .2 Employers' Liability. Limits of \$1,000,000 bodily injury each accident. \$1,000,000 bodily injury by disease, each employee. \$1,000,000 bodily injury by disease, policy limit.
- .3 Endorsements:
 - a) Employers' Liability Coverage Endorsement
 - b) Designated Workplaces Exclusion Endorsement
 - c) Voluntary Compensation and Employers Liability Coverage Endorsement
 - d) Policy Period Endorsement
 - e) Texas Waiver of Our Right to Recover From Others Endorsement
 - f) Federal Employers' Liability Act Coverage Endorsement
 - g) Longshoremen's and Harbor Workers' Compensation Act
 - h) Maritime Coverage Endorsement
 - i) Sole Proprietors, Partners, Officers and Others Coverage Endorsement
 - j) Sole Agent Consolidated Insurance Programs
 - k) Unintentional Error And Omissions Endorsement
 - l) Knowledge and Notice of Occurrence Endorsement
 - m) Texas Health Care Network Endorsement
 - n) Terrorism Risk Insurance Program Reauthorization Act Disclosure Endorsement
 - o) Notice of Cancellation
 - p) Texas Amendatory Endorsement - Notice of Cancellation
 - q) Alternate Employer Endorsement
 - r) Texas Deductible Endorsement
 - s) Texas Amendatory Endorsement – Who Is An Insured
 - t) State Specific Endorsements

5.3.2.3 Commercial General Liability Insurance.

- .1 Limits of Liability:
 - a) \$4,000,000 General Aggregate Limit
 - b) \$4,000,000 Products-Completed Operations Aggregate Limit
 - c) \$2,000,000 Personal and Advertising Injury

- d) \$2,000,000 Each Occurrence
 - e) \$1,000,000 Damages to Premises Rented to You Limit (Any one premises. Subject to occurrence limit.)
 - f) \$10,000 Medical Expense Limit (Any one person. Subject to occurrence limit.)
 - g) Aggregate limits reinstate annually during the 5-year project period. For 10 Year Completed Operations Extension, the Products Completed Operations Aggregate will be shared with the latest annual policy period during which a policy issued by us was in effect.
- .2 Policy Form. Commercial General Liability Coverage Form CG 00 01 (12/07 Edition).
- .3 Forms:
- a) Wrap-up Insurance Program – Amendment of Coverage
 - b) Products and Completed Operations Extension – Ten (10) Years – This is part of the Wrap-Up Insurance Program Amendment of Coverage Endorsement
 - c) Sole Agent / First Named Insured is the Sole Agent – This is part of the Wrap-Up Insurance Program Amendment of Coverage Endorsement
 - d) Designated Projects - This is part of the Wrap-Up Insurance Program Amendment of Coverage Endorsement
 - e) Common Policy Conditions
 - f) Texas Disclosure Form
 - g) Early Notice of Cancellation Provided By Us
 - h) Texas Changes - Cancellation And Nonrenewal Provisions For Casualty Lines And Commercial Package Policies
 - i) Combined Limits of Insurance – Multiple Policies
 - j) Blanket Additional Insured
 - k) Notice of Occurrence, Offense or Injury
 - l) Knowledge of Occurrence or Offense
 - m) Nonowned Watercraft Amended
 - n) Contractual Liability - Railroads
 - o) Texas Changes – Employment Related Practices Exclusion
 - p) Per Project and Per Location combined Aggregate Limits – With Optional Capped Limits Endorsement
 - q) Unintentional Failure to Disclose
 - r) Reasonable Force
 - s) Bodily Injury Redefined
 - t) Waiver of Transfer Rights of Recovery Against Others to Us
 - u) Bodily Injury to Co-Employees Coverage – Supervisors, Managers and Good Samaritans
 - v) Exclusion – Contractors – Professional Liability

- w) Professional Health Care Services by Employees or Volunteer Workers Coverage
- x) Texas - Total Pollution Exclusion
- y) Silica Exclusion Endorsement
- z) Recording and Distribution of Material or Information in Violation of Law Exclusion
- aa) Lead Exclusion
- bb) Mold And Mold Related Construction Defect Exclusion
- cc) Asbestos Exclusion Endorsement
- dd) Advertisement Redefined
- ee) Joint Defense Endorsement
- ff) Joint and Several Amendment
- gg) Nuclear Energy Liability Exclusion Endorsement (Broad Form)
- hh) Non-Cumulation of Liability (Same Occurrence)
- ii) Discrimination Exclusion
- jj) Composite Rate Endorsement
- kk) Deductible – Damages and Supplementary Payments (Damages Within The Deductible Erode The Policy Limit)
- ll) Personal and Advertising Injury – Occurrence Redefined
- mm) Personal and Advertising Injury – Definition of Publication
- nn) Cap On Losses From Certified Acts of Terrorism
- oo) Exclusion of Punitive Damages From Certified Acts of Terrorism
- pp) Other Terrorism Endorsements
- qq) All State Mandatory Endorsements

5.3.2.4 Umbrella/Excess Liability Insurance.

- .1 \$50,000,000 Each Occurrence
- .2 \$50,000,000 Products-Completed Operations Aggregate
- .3 \$50,000,000 Other Aggregate (Where Applicable)
- .4 Umbrella/Excess includes a Completed Operations Extension period of Ten (10) years.

5.3.2.5 General Provisions.

- .1 Coverage Availability. All insurance specified herein shall be maintained continuously until Substantial Completion of the Project except as provided in Section 5.3.1. All insurance shall provide for OWNER to take occupancy of the Work or any part thereof during the term of said insurance.
- .2 Insurance Policies and Certificates. The Broker and/or Insurers will issue Policies for Worker's Compensation and Binders for General Liability to

- CONTRACTOR, each Subcontractor and each Sub-subcontractor participating in the ROCIP.
- .3 CONTRACTOR, Subcontractor and Sub-subcontractors agree to comply with the requirements of the ROCIP including enrollment, record keeping, reporting, auditing, and claim requirements.
 - .4 The first five thousand dollars (\$5,000) of any insurable general liability property damage loss will be the responsibility of and paid by the CONTRACTOR and deducted from the contract amount.
 - .5 Contract Insurance Cost.
 - a) CONTRACTOR agrees not to duplicate or include any portion of their normal insurance cost, including Subcontractor insurance costs, in their Bid or in Change Orders (if any) for the coverages provided by OWNER under paragraphs 5.3.2.2 through 5.3.2.4.
 - b) CONTRACTOR stipulates that the insurance costs as defined in the Insurance Cost Form (Section 00425), submitted with the Bid and part of the Contract, is the amount that would have been included in the Bid if OWNER elected not to provide such coverage.
 - c) CONTRACTOR agrees to the audit conditions specified in the Insurance Cost Form (Section 00425).
 - d) In the event OWNER elects not to include CONTRACTOR's Work under the ROCIP coverages, the insurance amounts reported in the Insurance Cost Form (Section 00425) will be added to the Contract Amount on a pro rated basis.
 - e) CONTRACTOR shall agree to cooperate fully with OWNER's ROCIP Administrator and Project Manager in providing the necessary insurance data and information as required in the Bid Documents and associated documents and submittals furnished and required by OWNER during the duration of the Project or until OWNER furnished coverages are terminated. Failure to provide insurance information or documents/submittals to the OWNER's ROCIP Administrator and OWNER's Representative within specified time periods, by CONTRACTOR, any Subcontractor or Sub-subcontractor will result in withholding of progress payments to CONTRACTOR by OWNER. The Green Form can be withheld due to failure to provide insurance information or documents within specified time periods.
 - .6 Governing Conditions. In the event of conflict between Insurance Policy Terms and Conditions and the coverage conditions specified herein, the insurance policies will govern.
 - .7 CONTRACTOR Furnished Insurance.
 - a) Automobile Liability Insurance. CONTRACTOR and all Subcontractors, Sub-subcontractors and vendors shall maintain Automobile Liability Insurance as specified in paragraphs 5.3.1.1 and 5.3.1.2, at their own expense. CONTRACTOR must submit Certificates of Insurance for all Subcontractors to OWNER prior to their commencing Work on the Project.
 - b) Vendors, Suppliers and Haulers Required Insurance
 - a. Workers' Compensation and Employers' Liability Insurance. Vendors, suppliers, haulers, and other non-ROCIP participants as outlined in 5.3.2.1

shall provide workers' compensation insurance as specified in paragraphs 5.3.1.1 and 5.3.1.3.

This coverage requirement does not apply to motor carriers who are required pursuant to Texas Civil Statutes, Article 6675c to register with the Texas Department of Transportation and to provide accidental insurance coverage pursuant to Texas Civil Statutes, Article 6675c.

This coverage requirement does not apply to sole proprietors, partners, and corporate officers who meet the requirements of the Texas Workers' Compensation Act (Act), Article 406.09(c) and who are explicitly excluded from coverage in accordance with the Act.

- b. Automobile Liability Insurance. Vendors, suppliers, haulers and other non-ROCIP participants as outlined in 5.3.2.1 shall provide workers' compensation insurance as specified in paragraphs 5.3.1.1 and 5.3.1.2.
- c. Commercial General Liability Insurance. Vendors, suppliers, haulers, and other non-ROCIP participants as outlined in 5.3.2.1 shall provide Commercial General Liability Insurance as specified in paragraphs 5.3.1.1 and 5.3.1.4.

.8 Other Insurance.

- a) The ROCIP as outlined herein is intended to afford broad coverage and relatively high limits of liability, but it may not provide all the insurance needed or desired by CONTRACTOR, Subcontractors or Sub-subcontractors. Any insurance or limits of liability greater than those provided by the ROCIP or other coverages which CONTRACTOR, Subcontractors or Sub-subcontractors may be required by Law to carry or may need for its own protection, shall be at their own expense and the cost therefore may not be included in the Bid.
- b) If CONTRACTOR chooses to have such policies endorsed to recognize the Project site during the construction period, coverage should be excess and/or Difference In Conditions (DIC) of the OWNER's ROCIP as determined by CONTRACTOR or Subcontractor. OWNER shall be endorsed as additional insured.
- c) Any policy of insurance covering CONTRACTOR, any Subcontractor or any Sub-subcontractor for its owned and leased machinery, water craft, vehicles, tools, or equipment (used in connection with the Project) for physical loss or damage shall provide a Waiver of Subrogation Rights against OWNER, Project Manager, if applicable, CONTRACTOR, Subcontractor, or Sub-subcontractor that is insured under the ROCIP, including the employees, agents or assigns of any one of them.

.9 Mutual Waiver of Property Damage and Right of Recovery. To the extent of coverage provided by the Builder's Risk Insurance, OWNER has waived its rights to recover physical damage or loss to its property against CONTRACTOR, Subcontractors and Sub-subcontractors. CONTRACTOR, Subcontractors and Sub-subcontractors shall also waive any and all rights each may have to recover physical damage or loss to the property of each against OWNER, its designees, E/A, and other contractors engaged in the Project. This waiver of the right of recovery for property damage shall be binding upon any property, automobile or equipment insured in respect to any subrogation rights which such insurer may possess by virtue of any payments of damage or loss. CONTRACTOR, Subcontractors and Sub-subcontractors agree as a condition of performing Work on the Project to execute such documents and coverage described herein and the waiver(s) of subrogation as described herein.

.10 Certificates of Insurance. CONTRACTOR shall submit three (3) copies of the required Certificates of Insurance (Section 00650) for CONTRACTOR and all Subcontractors and Sub-subcontractors to OWNER prior to their commencing Work on the job site.

CONTRACTOR and all Subcontractors and Sub-subcontractors shall provide the following information on the Certificate of Insurance:

- Workers' Compensation (off-site)
- General Liability (off-site)
- Umbrella/Excess Liability (off-site)
- Automobile Liability - Primary (CONTRACTOR must provide hired/non-owned)

5.3.2.6 ROCIP Subcontractor Process Information. During the subcontracting of the Work, the Contractor will comply with the applicable Contractor – Subcontractor notice and documentation requirements of the Section 00425-B. This provision applies to any subcontract entered into on or after January 1, 2016.:

“Owner will provide the ROCIP Information outlined in Section 00425-B to the Contractor and, at least 10 days prior to entering into a subcontract, the Contractor must provide the ROCIP Information to its Subcontractors. The Contractor and Subcontractors must acknowledge receipt of the ROCIP Information and provide the Affidavit and Acknowledgment indicating receipt of the ROCIP Information included in Section 00425-B. If the Contractor does not provide the ROCIP Information to its Subcontractors and obtain the Affidavit of Receipt and Provision of the ROCIP Information from its Subcontractors prior to entering into a subcontract, the Contractor is responsible to the Subcontractors under Section 151.004 of the Texas Insurance Code for the actual cost of providing the insurance required under Article 5 of the 00700 General Conditions and Paragraph 5.3.1 of the Section 00810 Supplemental General Conditions. If for any reason a Subcontractor is not provided

the ROCIP Information on a timely basis and the Contractor subsequently provides the ROCIP Information to the Subcontractor, the Subcontractor may acknowledge its receipt and provide the Affidavit included in Section 00425-B to the Contractor prior to commencing Work on the Project.”

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.6 Permits, Fees: Add the following:

"OWNER will obtain and pay for the following permits, licenses and/or fees:

- .1 City of Austin General Development Permit.
- .2 Texas Department of Transportation permit for Work in State rights-of-way.

6.7 Laws and Regulations: Add the following:

“6.7.4 This Work is subject to the Texas Pollution Discharge Elimination System (TPDES) permitting requirements for the installation and maintenance of temporary and permanent erosion and sediment controls and storm water pollution prevention measures throughout the construction period.

OWNER has prepared a Storm Water Pollution Prevention Plan (SWPPP). Reference Section 01096 for this SWPPP.

OWNER shall file the Owner's Notice of Intent and Notice of Termination to the Texas Commission on Environmental Quality (TCEQ). OWNER shall pay the TPDES storm water application fee.

CONTRACTOR's responsibilities are as follows.

- .1 File a Notice of Intent (NOI) form with the TCEQ at least two (2) days prior to start of construction activity and pay for the permit. Form is available from OWNER or on the Internet at <http://www.tceq.state.tx.us/assets/public/permitting/waterquality/forms/20022.pdf>.

The form shall be mailed or submitted online to the TCEQ. If submitting online, the web address is <https://www6.tceq.state.tx.us/steers/>. If CONTRACTOR has not already registered to use the TCEQ online application submittal service, it will take up to ten (10) Working Days to receive a user name and password. CONTRACTOR shall take this timeframe into consideration if applying online. A Time Extension shall not be granted for this timeframe.

The mailing address is:

Texas Commission on Environmental Quality
Storm Water & General Permits Team; MC-228
P.O. Box 13087
Austin, TX 78711-3087

A copy of the completed Notice of Intent (NOI) form must also be mailed to the local Municipal Separate Storm Sewer Systems (MS4) representative:

TPDES Program Coordinator
City of Austin – WPD – ERM
P.O. Box 1088
Austin, TX 78767

- .2 Obtain a signed certification statement from all Subcontractors responsible for implementing the erosion and sediment control measures. This statement shall indicate that the Subcontractor understands the permit requirements. The certified statement forms shall be attached to and become part of the SWPPP.
- .3 Post a notice near the main entrance of the Work with the following information.
 - The TPDES permit number for the Work or a copy of the NOI if a permit number has not yet been assigned,
 - The name and telephone number of a local contact person,
 - A brief description of the Work, and
 - The location of the SWPPP if the site is inactive or does not have an on-site location to store the plan.

If posting this information near a main entrance is infeasible due to safety concerns, the notice must be posted in a local public building. If the Work is linear (pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway and moved as necessary. For linear Work, multiple postings of the information may be required by OWNER (e.g. postings at both ends of the Work).
- .4 Maintain all erosion and sediment control measures and other protective measures identified in the SWPPP in effective operating condition.
- .5 Perform inspections every five (5) working days and after every ½ inch rainfall event, noting the following observations on an inspection form provided by OWNER:
 - Locations of discharges of sediment or other pollutants from the site.

- Locations of storm water / erosion / sedimentation controls that are in need of maintenance.
 - Locations of storm water / erosion / sedimentation controls that are not performing, failing to operate, or are inadequate.
 - Locations where additional storm water / erosion / sedimentation controls are needed.
- .6 Maintain at Work site at all times a copy of the SWPPP (with all updates, as described below) and inspection reports.
- .7 Update the SWPPP as necessary to comply with TPDES permitting requirements, which includes noting changes in erosion / sedimentation controls and other best management practices that are part of the SWPPP and which may be necessary due to the results of inspection reports. Any SWPPP revisions or updates must be signed and certified by a Certified Professional in Erosion and Sedimentation Control (CPESC) or a Registered Professional Engineer. If the SWPPP includes engineering calculations, then SWPPP must be sealed and signed by a Registered Professional Engineer.
- .8 File a Notice of Termination with the TCEQ within thirty (30) days of final stabilization on all portions of the Work site. Form is available from OWNER or on the Internet at <http://www.tceq.state.tx.us/assets/public/permitting/waterquality/forms/20023.pdf>.
- The NOT shall be mailed to:
Storm Water & General Permits Team; MC-228
P.O. Box 13087
Austin, TX 78711-3087
(512) 239-4671
- .9 Upon completion of the Work, provide TPDES records to OWNER."

6.11 Safety and Protection: Add the following to paragraph 6.11.2:

"**6.11.2** CONTRACTOR shall comply with all provisions of the "Project Safety Manual" provided by OWNER as part of its insurance coverage program under the Rolling Owner Controlled Insurance Program (ROCIP). This program is in addition to CONTRACTOR's existing safety program, not in lieu of that program."

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.1 Application for Progress Payment: Delete 14.1.1 and replace with the following (changes to the original text are identified by underling):

"14.1.1 No more often than once a month, unless authorized as part of the Mobilization Prompt Payment Program, CONTRACTOR shall submit to Owner's Representative for review a completed and executed Application for Payment, in a form acceptable to OWNER, covering the Work completed as of the date of the Application and not previously paid and accompanied by such supporting documentation as required by the Contract Documents.

Add the following .1:

.1 - Mobilization Prompt Payment Program. During critical mobilization periods, as identified by the CONTRACTOR and as approved by OWNER in accordance with 00700 2.4.2.1 of this Contract, CONTRACTOR shall submit bi-monthly Applications for Payment.

The additional Pay Applications will include any costs accrued during the periods of critical mobilization. The Program will allow the CONTRACTOR and Subcontractors to invoice for costs as they are accrued during periods of critical mobilization. The CONTRACTOR shall submit bimonthly invoices to the OWNER for such costs. The CONTRACTOR shall pay Subcontractors for costs within 10 days of receipt of payment from OWNER.

14.1 Application for Progress Payment: Delete 14.1.6.3 and replace with the following:

- “.3 Contract time statement form signed by CONTRACTOR and Owner’s Representative. If CONTRACTOR does not agree with the number of accumulated days charged, CONTRACTOR shall file a Claim in accordance with Article 16.1, Filing of Claims.”
- “.4 Payroll Authorization and Certificates of Insurance. CONTRACTOR shall provide monthly payroll reports (including CONTRACTOR and all Subcontractors and Sub-subcontractors) to the ROCIP Insurance Administrator on forms provided by the ROCIP Administrator or on other mutually agreed upon forms. In addition, Contractor shall assure that current certificates of insurance are provided as necessary for CONTRACTOR and all Subcontractors and Sub-subcontractors. A Payment Form signed by the ROCIP Administrator shall be submitted with each Application for Payment. Failure to submit this form will result in withholding of payment. The ROCIP Insurance Administrator will generate the Payment Form upon receipt of the monthly payroll report and required certificates of insurance.”

14.4 Decisions to Withhold Payment:

Reference 14.4.1; add the following:

- “.16 failure of CONTRACTOR to meet the ROCIP and/or Safety Program requirements.
- .17 property damage losses that are the responsibility of the CONTRACTOR (reference section 00810, 5.3.2.5.4)”

14.7 Substantial Completion:

Reference 14.7.1, and add the following provision:

- “**14.7.1.1** Substantial Completion means that the Work, including the final surface course, all testing and disinfection, adjustment of structures to final grade, all permanent traffic control devices (pavement markings, signs, etc.), substantial clean-up, and punchlist items have been completed, accepted, and placed into service, and, any traffic signal or street lighting conduit that has been installed, lowered or relocated must be inspected for usability by, and must have received written approval from, the City’s traffic signal section and/or street lighting section, as well as having been completed, accepted, and placed into service. Work that remains after Substantial Completion could include final clean up. Owner’s Representative will issue a notice specifying what portion of the Work is partially completed for the purpose of payment and what Work remains to be done on the portion being accepted as Substantially Complete. This subsection 14.7.1.2 changes the 00700 General Conditions definition of Substantial Completion.”

14.10 Final Application for Payment: Add the following paragraph(s) to 14.10:

- “.10 Documentation required by the ROCIP.”
- “.11 TPDES records in accordance with 6.7.4.”

14.11 Final Payment and Acceptance:

Add the following to paragraph 14.11.1:

"If the Contract Documents require the maintenance of any trees and tree support infrastructure for two (2) years following Final Completion, the CONTRACTOR may execute a zero-cost "Tree Maintenance Change Order" for such Work and post fiscal security acceptable to OWNER to ensure completion of the tree maintenance. The fiscal security will be a bond, letter of credit, or cash escrow in a form promulgated by OWNER and posted with OWNER's Parks and Recreation Department. If the CONTRACTOR does not complete the tree maintenance work as required, the OWNER, at its option, may complete the Work using the posted fiscal security."

Add the following to paragraph 14.11.1:

"If the sole remaining, unfinished item of the Work is revegetation or other permanent erosion control, including, if applicable, tree mitigation, (collectively, the "revegetation"), the CONTRACTOR may execute a zero-cost "Revegetation Change Order" for such Work and post fiscal security acceptable to Owner to ensure completion of the revegetation.

The fiscal security will be a bond, letter of credit, or cash escrow in a form promulgated by OWNER and posted with OWNER's Watershed Protection Department.

Upon receipt of the executed Revegetation Change Order and fiscal security, the Owner's Representative will issue a conditional letter of final acceptance to the CONTRACTOR for the Work, excluding the revegetation, which establishes the Final Completion Date for that Work and initiates the one year warranty period.

This revegetation must be accomplished within 120 Calendar Days of the date of Final Completion of the balance of the Work or such other stipulated time for completion directed in the Change Order. When the revegetation has been established, OWNER will inspect for final acceptance of that portion of the Work and, as applicable, initiate the one year warranty period for that Work.

If the revegetation is not completed within the 120 Calendar Days or such other time set forth in the Change Order, the OWNER, at its option, may complete the Work using the posted fiscal security."

ARTICLE 15 – SUSPENSION OF WORK AND TERMINATION

15.3 Owner May Terminate with Cause: Add the following paragraph to 15.3.1:

".8 if CONTRACTOR fails to meet the ROCIP and/or Safety Program requirements;"

END

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PART 1 - GENERAL

1.1 Related Documents:

Drawings and general provisions of Contract, including General Conditions, Section 00700, and Supplemental General Conditions, Section 00810, and Division 1 requirements.

1.2 DESCRIPTION OF WORK

1.21 Scope of Work

- A. This section describes the Project in general and provides an overview of the extent of the Work to be performed by the CONTRACTOR. Detailed requirements and extent of Work is stated in the applicable Specification Sections and shown on the Drawings. CONTRACTOR shall, except as otherwise specifically stated herein or in any applicable part of these Contract Documents, provide and pay for all labor, materials, equipment, tools, construction equipment, and other facilities and services necessary for proper execution, testing, and completion of the Work.
- B. Any part or item of the Work which is reasonably implied or normally required to make the installation satisfactorily operable shall be performed by the CONTRACTOR and the expense thereof shall be included in the applicable unit prices or lump sum prices bid for the Work. It is the intent of these Specifications to provide the OWNER with the complete system. All miscellaneous appurtenances and other items of Work that are incidental to meeting the intent of the Specifications shall be considered as having been included in the applicable unit prices or lump sum prices bid for the Work even though these appurtenances and items may not be specifically called for in the Bid Documents.
- C. The Work shall include furnishing all tools, labor, materials, equipment, and miscellaneous items necessary for the complete construction of approximately 3,357 linear feet of 36-inch and 34 linear feet of 42-inch wastewater relief main with approximately 564 linear feet of trenchless installation, and 17 polymer concrete manholes. Other work includes 12,095 square yards of HMAC mill and overlay, 18,725 square feet of concrete bike trail, bypass pumping, abandoning existing wastewater lines, storm water pipe relocation, erosion and sedimentation controls, tree protection, traffic control, re-vegetation, sidewalk, curb & gutter, driveway repairs, and miscellaneous work contained in the contract.
- D. The Work includes an intermediate milestone to substantially complete all work as described in items 1 thru 21 of the Sequence of Construction on sheet 4 of the project drawings within 364 calendar days after notice to proceed. Please refer to sections 00020 "Invitation for Bids" and 00300U "Unit Price Bid Form" for information related to the time of completion and liquidated damage requirements for this milestone.

1.22 Location of Project

- A. The Waters Park Relief Main begins in Balcones District Park at 12017 Amherst Drive and continues north within Leaf Lane, Scribe Drive, and ends in Adelphi Lane, south of 3401 W. Parmer Lane Austin, Texas 78759 The Southern portion of the Northern Walnut Creek Trail Phase 1A is located in Balcones District Park. The project location/route is shown on the Drawings.

1.23 Contractor's Responsibilities

- A. Execute all Work, including excavation, installing pipe, backfill, miscellaneous concrete and testing. The Work of this Contract is specified in the City of Austin Standard Specifications, Special Provisions and Special Specifications listed in the Table of Contents.
- B. Secure all construction-related permits, other than those provided by OWNER as described in paragraph 6.6 of Section 00810, Supplemental General Conditions, and pay for the same.
- C. Arrange for the necessary temporary water and electric service and pay for these services and all water and electricity consumed during the construction Work.
- D. Provide adequate temporary sanitary facilities.

1.24 Easements and Rights-Of-Way

CONTRACTOR shall confine his construction operations within the limits indicated on the Drawings, and shall use due care in placing construction tools, equipment, excavated materials, and pipeline materials and supplies so as to cause the least possible damage to property and interference with traffic. If the CONTRACTOR requires additional easement for his operations, the CONTRACTOR is solely responsible for acquisition and maintenance of the easement. No additional compensation will be provided by the OWNER.

A. Easements

Easements across private property are indicated on the Drawings. CONTRACTOR shall set stakes to mark the boundaries of construction easement across private property. The stakes shall be protected and maintained until completion of construction and cleanup.

B. Rights-of-Way

Permits for Work in rights-of-way shall be obtained by the CONTRACTOR. All Work performed and all operations of CONTRACTOR, his employees, or subcontractors, within the limits of railroad and highway rights-of-way, shall be in conformity with the requirements and be under the control (through OWNER) of the railroad or highway authority owning, or having jurisdiction over and control of, the right-of-way in each case.

1.25 Operation of Existing Facilities

Existing water and wastewater facilities shall be kept in continuous operation throughout the construction period. No interruption will be permitted which adversely affects the degree of service provided. Provided permission is obtained from OWNER in advance, portions of the existing facilities may be taken out of service for short periods corresponding with periods of minimum service demands.

CONTRACTOR shall provide temporary facilities and make temporary modifications as necessary to keep the existing facilities in operation during the construction period.

1.26 Connections to Existing Facilities

Unless otherwise specified or indicated, CONTRACTOR shall make all necessary connections to existing facilities including structures, drain lines, and utilities. In each case, CONTRACTOR shall receive permission from OWNER or the owning utility prior to undertaking connections. CONTRACTOR shall protect facilities against deleterious substances and damage.

Connections to existing facilities which are in service shall be thoroughly planned in advance, and all required equipment, materials and labor shall be on hand at the time of undertaking the connection. Work shall proceed continuously (around the clock) if necessary to complete connections in the minimum time. Operation of valves or other appurtenances on existing utilities, when required, shall be by or under the direct supervision of the owning utility.

1.27 Unfavorable Construction Conditions

No portion of the Work shall be constructed under conditions which adversely affect the quality or efficiency thereof, unless special means or precautions are taken by CONTRACTOR to perform the Work in a proper and satisfactory manner.

End

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ROCIP Project: Withhold insurance cost. Please refer to sections 00425 & 00810 for information.

SPECIAL PROVISION

SP414S

**SPECIAL PROVISION To
Standard Specification Item 414S (Version 11/13/07)
Concrete Retaining Wall**

For this project Item 414S Concrete Retaining Wall of the Standard Technical Specifications is hereby amended with respect to the clauses cited below. No other clauses or requirements of this Section of the Standard Specifications are waived or changed.

Article 414S.2 Submittals

Add the following:

- H. Contractor is to provide a mockup of form liner before the actual work is done.

Article 414S.3 Materials

Add the following:

- I. The form liner as indicted on the Drawings shall be designed to provide the appearance including the length and width of stone by Ashlar Stone #330 or approved equal.

Article 414S.5 Measurement

Add the following after the second paragraph:

Form liner will be measured by the square foot.

Article 414S.6 Payment

Add the following after the first paragraph:

Form liner will be paid for at the unit bid price per square foot of exposed vertical surface.

Add the following Pay Item:

Pay Item No. SP414S-FL:	Form Liner for Cast-in-Place Portland Cement Concrete Retaining Wall	Per Square Foot
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End

BARRICADING SUMMARY TABLES

STREETS

STREET	CLASSIFICATION	PROTECTION	STREET FROM	STREET TO	PLANNED IMPROVEMENTS	TRAFFIC CONTROL PLAN SHEET/DETAIL	ALLOWED BARRICADING TIMES	COMMENTS
LEAF LANE	RESIDENTIAL	NOT PROTECTED	LEAF LANE CUL-DE-SAC	SCRIBE DRIVE	WASTEWATER	PLAN SHEET 31	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE	COLLECTOR	7 YEAR	LEAF LANE	ADELPHI LANE	WASTEWATER	PLAN SHEET 32-33	7AM - 6PM MONDAY - SATURDAY	

INTERSECTIONS

STREET INTERSECTION	PLANNED IMPROVEMENTS	TRAFFIC CONTROL PLAN SHEET/DETAIL	ALLOWED BARRICADING TIMES	COMMENTS
LEAF LANE & CANTER LANE	WASTEWATER	PLAN SHEET 31	7AM - 6PM MONDAY - SATURDAY	
LEAF LANE & LEAF CIRCLE	WASTEWATER	PLAN SHEET 31	7AM - 6PM MONDAY - SATURDAY	
LEAF LANE & SCRIBE DRIVE	WASTEWATER	PLAN SHEET 31	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE & SCOTCH BROOM DRIVE	WASTEWATER	PLAN SHEET 32	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE & PEDDLE PATH	WASTEWATER	PLAN SHEET 32	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE & SPANIEL DRIVE	WASTEWATER	PLAN SHEET 32	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE & DANNY DRIVE	WASTEWATER	PLAN SHEET 33	7AM - 6PM MONDAY - SATURDAY	
SCRIBE DRIVE & ADELPHI LANE	WASTEWATER	PLAN SHEET 33	24 HOURS PER DAY 7 DAYS A WEEK	

STANDARD RIGHT OF WAY NOTES

- FOR RIGHT OF WAY VIOLATIONS INCLUDING BUT NOT LIMITED TO WORKING WITHOUT A PERMIT OR AN EXPIRED PERMIT WITHIN THE CITY OF AUSTIN ROW AN INVESTIGATION FEE WILL BE ASSESSED FOR EACH OFFENSE UNTIL THE VIOLATION IS CORRECTED. FOLLOWING IS THE INVESTIGATION FEE SCHEDULE FOR VIOLATIONS OF PUBLIC SAFETY.
 - A. NO OR EXPIRED PERMIT = EQUAL TO THE COST OF THE PERMIT
 - B. VIOLATION OF PERMIT CONDITIONS, RESTRICTION LIMITS, TIMES AND LOCATIONS ON ROW PERMIT = \$250
 - C. IMPROPER ADVANCED WARNING SIGN = \$250
 - D. IMPROPER USE OF DEVICE = \$250
 - E. FAILURE TO CORRECT DEFICIENCY = \$500
 - F. RESTRICTING TRAFFIC DURING PEAK HOURS = EQUAL TO THE COST OF THE PERMIT
 - G. MULTIPLE VIOLATIONS = UP TO A FOUR DAY SUSPENSION OF WORK.
- CONTRACTORS AND THEIR SUBCONTRACTORS MUST BE LICENSED BY THE CITY OF AUSTIN FOR CONDUCTING WORK WITHIN THE RIGHT OF WAY.
- CONTRACTOR MUST OBTAIN RIGHT OF WAY EXCAVATION PERMITS FROM RIGHT OF WAY MANAGEMENT DIVISION FOR EACH STREET PRIOR TO COMMENCEMENT OF WORK. PLEASE CALL (512) 974-1150 FOR ADDITIONAL INFORMATION REGARDING PERMITTING PROCESS AND THE MOST CURRENT RIGHT OF WAY PERMITTING FEE SCHEDULE.
- FOR WORK AT SIGNALIZED INTERSECTIONS CONTRACTOR MUST DIAL 311 OR (512) 974-2000 TO INITIATE A CITIZENS SERVICE REQUEST (CSR) FOR THE TRAFFIC SIGNALS GROUP; TO COORDINATE AND GAIN APPROVAL A MINIMUM OF 1 WEEK PRIOR TO CHANGE OF PROJECT LOCATION OR PHASE.
- CONTRACTOR SHALL HAVE AN APPROVED RIGHT OF WAY PERMIT ON SITE AT ALL TIMES WHEN WORKING WITHIN THE ROW.
- CONTRACTOR MUST DIAL 311 OR (512) 974-2000 TO INITIATE A CITIZENS SERVICE REQUEST (CSR) FOR RIGHT OF WAY MANAGEMENT A MINIMUM OF 1 WEEK PRIOR TO THE START OF EACH CLOSURE/DETOUR. CONTRACTOR MUST ALSO COMPLETE AND SUBMIT A CITY OF AUSTIN STANDARD FORM REGARDING NOTIFICATION OF EMS 1 WEEK IN ADVANCE OF EACH CLOSURE/DETOUR.
- CONTRACTOR MUST PROVIDE TRAINING CERTIFICATION OF COMPETENT PERSON THAT WILL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLACEMENT, TO RIGHT OF WAY INSPECTOR, PRIOR TO START OF WORK.

- STORAGE OF EQUIPMENT AND/OR MATERIAL WITHIN THE RIGHT OF WAY.
 - A. STORAGE OF EQUIPMENT WITHIN THE ROW IS PERMISSIBLE ONLY WITHIN THE CURRENT LIMITS OF THE LONG-TERM CLOSURES AND SHALL BE LIMITED TO THE EQUIPMENT REQUIRED FOR THE CURRENT WORK ACTIVITY. THIS EQUIPMENT SHALL BE PROTECTED BEHIND BARRICADES.
 - B. STORAGE OF MATERIAL IN THE ROW IS PERMISSIBLE ONLY WITHIN THE CURRENT LIMITS OF LONG-TERM OR INTERMEDIATE-TERM CLOSURES AND SHALL BE LIMITED TO NO MORE THAN THE MATERIAL REQUIRED FOR THREE DAYS OF PRODUCTION. THIS MATERIAL SHALL BE PROTECTED BEHIND WATER-FILLED BARRICADES.
 - C. EQUIPMENT OR MATERIAL STORED IN THE ROW SHALL NOT CREATE A VISUAL BARRIER TO TRAFFIC.
- NO MORE THAN ONE WORK ZONE LOCATION MAY BE SET AT ONE TIME.
- PEAK HOURS FOR ARTERIAL AND COLLECTOR STREETS ARE 6AM TO 9AM AND 4PM TO 6PM MONDAY THROUGH FRIDAY. NO DISRUPTION OR REDUCTION OF ACTIVE ROADWAY OR PEDESTRIAN ROUTE CAPACITY SHALL OCCUR DURING THESE TIMES, UNLESS ALLOWED BY TRAFFIC CONTROL PLAN.
- EXCAVATIONS SHALL BE BACKFILLED OR PLATED WHEN REQUIRED TO OPEN IMPACTED TRAFFIC LANES. FOR EXCAVATIONS EXCEEDING A TRANSVERSE WIDTH OF 6 FEET, THE CONTRACTOR SHALL PROVIDE AN ENGINEERED PLATING PLAN TO THE OWNER'S REPRESENTATIVE FOR REVIEW BY RIGHT OF WAY MANAGEMENT. PER 804S-4, 5 OF 9.
- EXISTING SIDEWALKS AND BEATEN PATHS SHALL BE MAINTAINED AS ADA COMPLIANT THROUGHOUT THE PROJECT DURATION WITH THE EXCEPTION OF FINAL FLATWORK AND UTILITY TIE-INS. ANY WORK OVERHEAD WITHIN 25 FEET OF EXISTING PEDESTRIAN PATHWAYS WILL REQUIRE PEDESTRIAN COVERED WALKWAYS. SIDEWALK CLOSURES FOR MAJOR SIDEWALK IMPROVEMENTS HAVE A 14-DAY MAXIMUM PERIOD AND SHALL BE COMPLETED IN PHASES AS TO NOT CLOSE MORE THAN ONE BLOCK AT A TIME.

- "ROAD WORK AHEAD" AND "CONSTRUCTION ENTRANCE AHEAD" SIGNS MUST BE PLACED AT ALL APPROACHES TO STABILIZED CONSTRUCTION ENTRANCE. SEE THE CITY OF AUSTIN DETAILS FOR SIGN SPACING.
- DRIVEWAYS SHALL NOT BE CLOSED FOR MORE THAN THREE CONSECUTIVE CALENDAR DAYS.
- ADA COMPLIANCE SHALL BE MAINTAINED THROUGH STABILIZED CONSTRUCTION ENTRANCE.
- BARRIER SHALL BE PLACED WITHIN GUIDELINES SET FORTH BY THE TMUTCD CRASH TESTING REQUIREMENTS (NCHRP REPORT 350) FOR THAT PARTICULAR BARRIER USED. ANY MODIFICATIONS TO THAT TESTING APPLICATION SHALL BE APPROVED BY THE ENGINEER OF RECORD.
- FOR OVERNIGHT PROTECTION OF WORK ZONES WITHIN THE ROW, REFER TO COA STANDARD DETAIL 804S-4 SERIES DETAILS.
- ALL TEMPORARY PAVING SHALL CONFORM TO CITY STANDARD DETAIL 1100S-4.
- INITIAL AND PHASE CHANGE TRAFFIC CONTROL CHANGES SHALL BE INSTALLED ON WEEKENDS.
- THE NAME AND TELEPHONE NUMBER OF THE CONTRACTOR OR SUPPLIER SHALL BE SHOWN ON THE NON-REFLECTIVE SURFACE OF ALL CHANNELIZING DEVICES IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD 800 SERIES DETAILS.
- ATD INSPECTOR IS REQUIRED TO BE AT THE PRE-CONSTRUCTION MEETING AND ALL INITIAL PHASE SET-UPS.

EXCEPTIONS TABLE

NOTE #	EXPLANATION OF EXCEPTION

REV. NO.	BY	DATE	REVISION DESCRIPTION
1		TO 4/28/16	ADDENDA #1 - ENTIRE SHEET



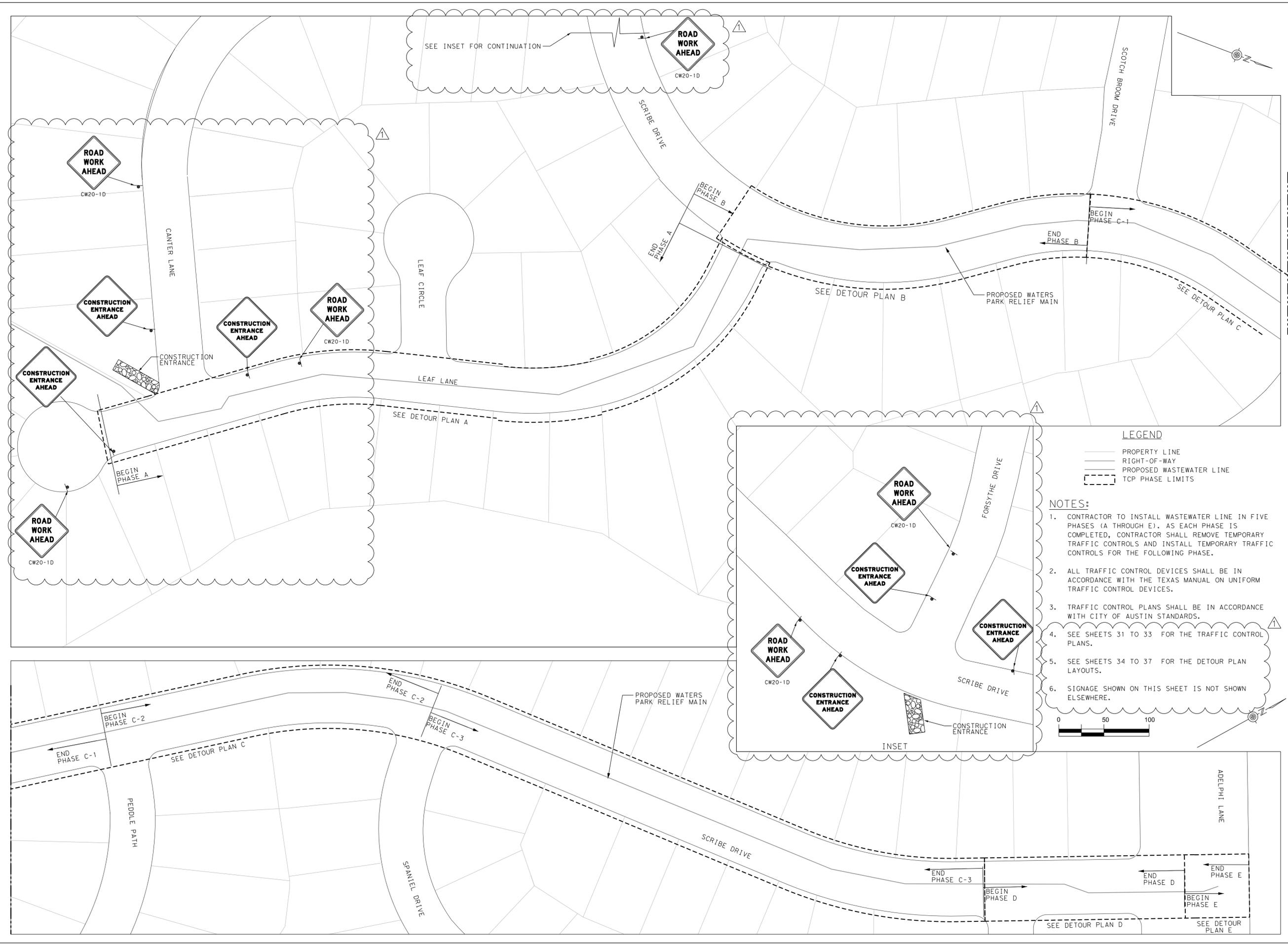
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
 CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 TRAFFIC CONTROL PLAN
 GENERAL NOTES



CITY OF AUSTIN	
PERMIT #	
SCALE	
DATE	4/28/2016
SHEET NUMBER	29 OF 82

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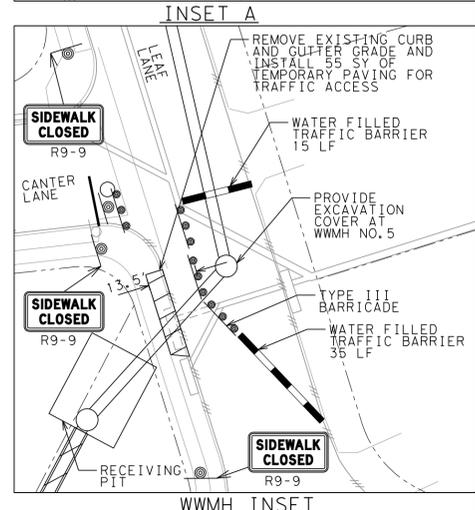
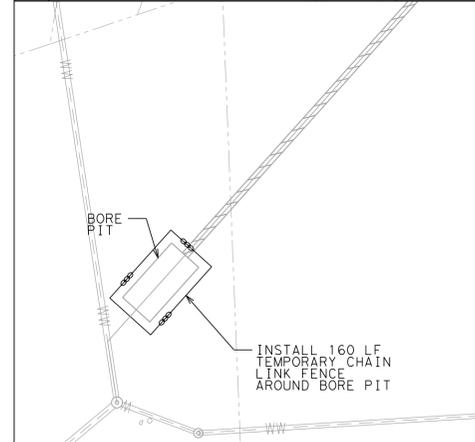
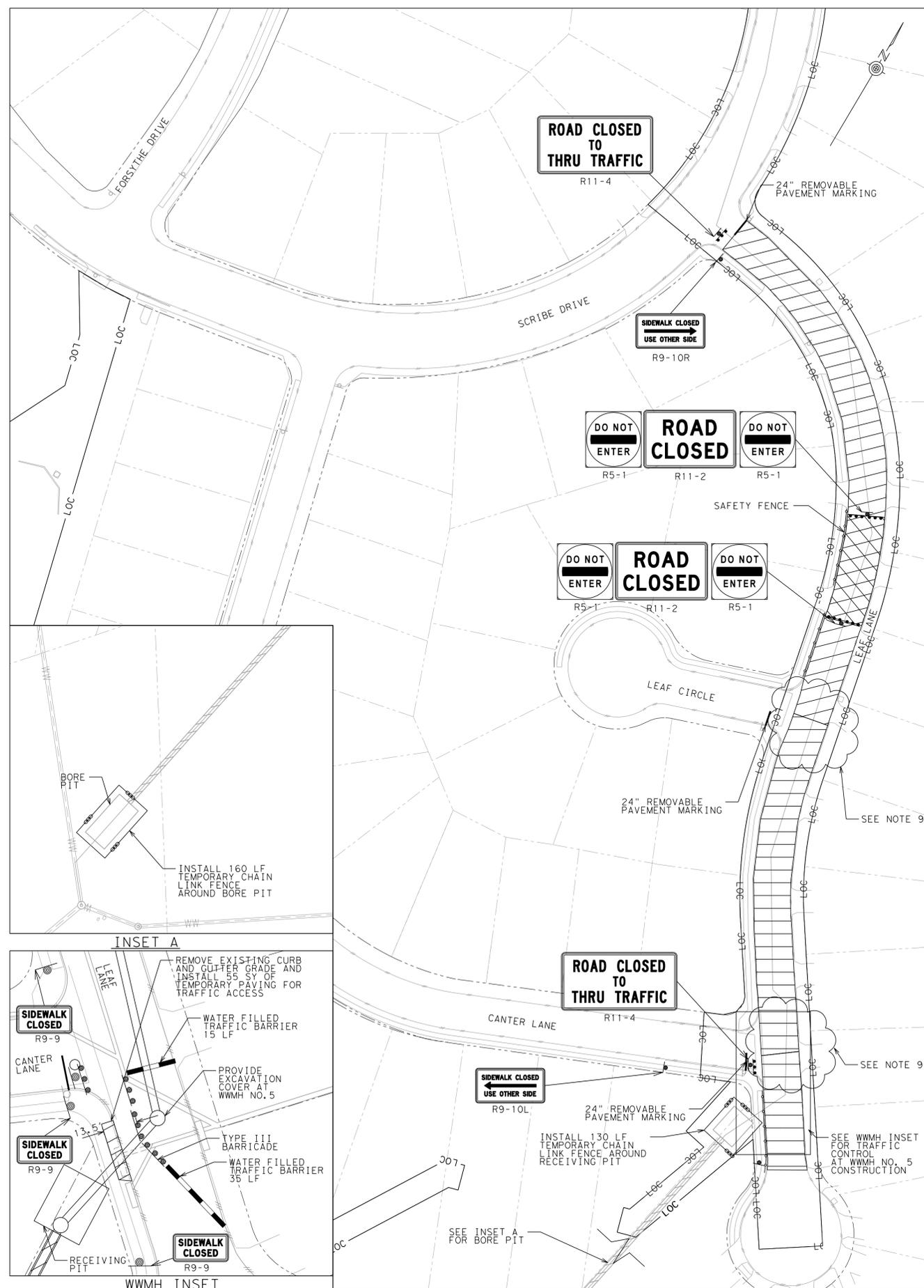
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746

CITY OF AUSTIN
WATERS PARK RELIEF MAIN
OVERALL TRAFFIC CONTROL LAYOUT



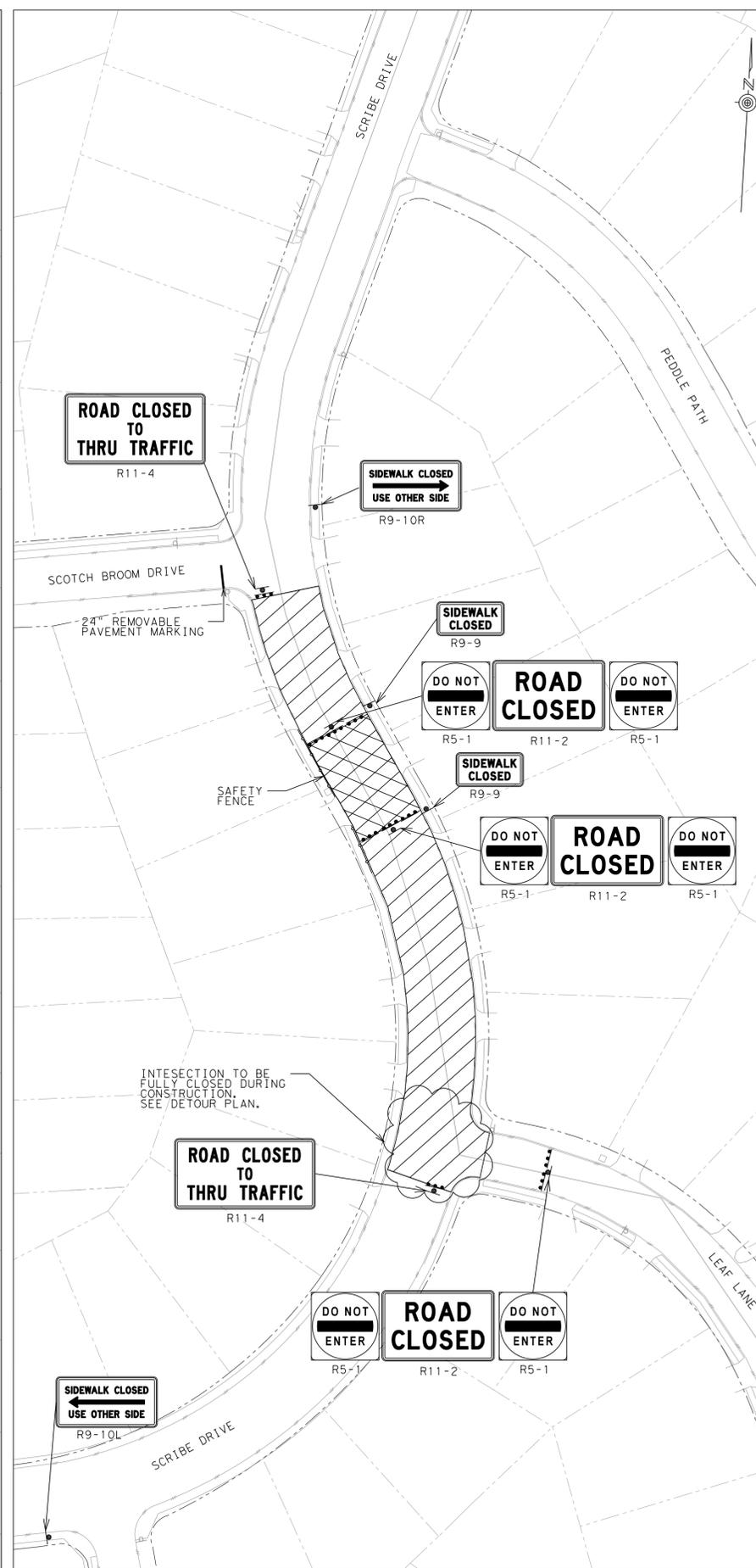
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DATE	4/28/2016
SHEET NUMBER	30 OF 82

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FLAGGING OPERATION SHALL BE PROVIDED AND PERFORMED IN ACCORDANCE WITH CITY OF AUSTIN STANDARD DETAIL 804S-1 SHEET 5 OF 9 DURING WORK HOURS. ROADWAY TO BE REOPENED AT THE END OF THE WORK DAY. SEE NOTE 10.

PHASE A
SEE SHEET 34 FOR
DETOUR ROUTE



PHASE B
SEE SHEET 34 FOR
DETOUR ROUTE

LEGEND

- PROPERTY LINE
- - - RIGHT-OF-WAY
- - - EXISTING EOP
- EXISTING WASTEWATER LINE
- PROPOSED WASTEWATER LINE
- TYPE III BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- CONSTRUCTION SAFETY FENCE
- WORK ZONE



NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
3. WITH ATD INSPECTION STAFF, CONTRACTOR SHALL CLOSE ROADWAY FOR A MAXIMUM LENGTH FOR CONSTRUCTION TO BE COMPLETED WITHIN ONE DAY.
4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AT ALL TIMES EXCEPT WHEN DIRECTLY IN FRONT OF DRIVEWAY. CONTRACTOR TO NOTIFY AFFECTED PROPERTY OWNERS AT LEAST 48 HOURS PRIOR TO CLOSURE OF ROADWAY.
5. OBSTRUCTED MAILBOXES SHALL BE TEMPORARILY RELOCATED DIRECTLY ACROSS THE STREET IN ACCORDANCE WITH THE SAFETY AND CONVENIENCE SPECIFICATION.
6. SEE SHEETS 34 TO 37 FOR TRAFFIC CONTROL DETOUR PLAN LAYOUTS AND ADVANCED WARNING SIGNAGE.
7. CONTRACTOR SHALL INSTALL SAFETY FENCE WHEN EXCAVATION OR EQUIPMENT WILL BE WITHIN 15 FEET OF THE SIDEWALK.
8. ALL TRAFFIC CONTROL DEVICES MOVE WITH WORK ZONE (AS WORK PROGRESSES).
9. INTERSECTION CROSSINGS SHALL BE CONSTRUCTED A HALF AT A TIME AS NOTED. ACCESS TO SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
10. EXCAVATIONS SHALL BE BACKFILLED OR PLATED WHEN REQUIRED TO OPEN IMPACTED TRAFFIC LANES. FOR EXCAVATIONS EXCEEDING A TRANSVERSE WIDTH OF 5 FEET, THE CONTRACTOR SHALL PROVIDE AN ENGINEERED PLATING PLAN TO THE OWNER'S REPRESENTATIVE FOR REVIEW BY RIGHT OF WAY MANAGEMENT.
11. ATD INSPECTOR IS REQUIRED TO BE AT THE PRE-CONSTRUCTION MEETING AND ALL INITIAL PHASE SET-UPS.

REV. NO.	DATE	REVISION DESCRIPTION
1	4/28/16	ADDENDA #1 - ENTIRE SHEET

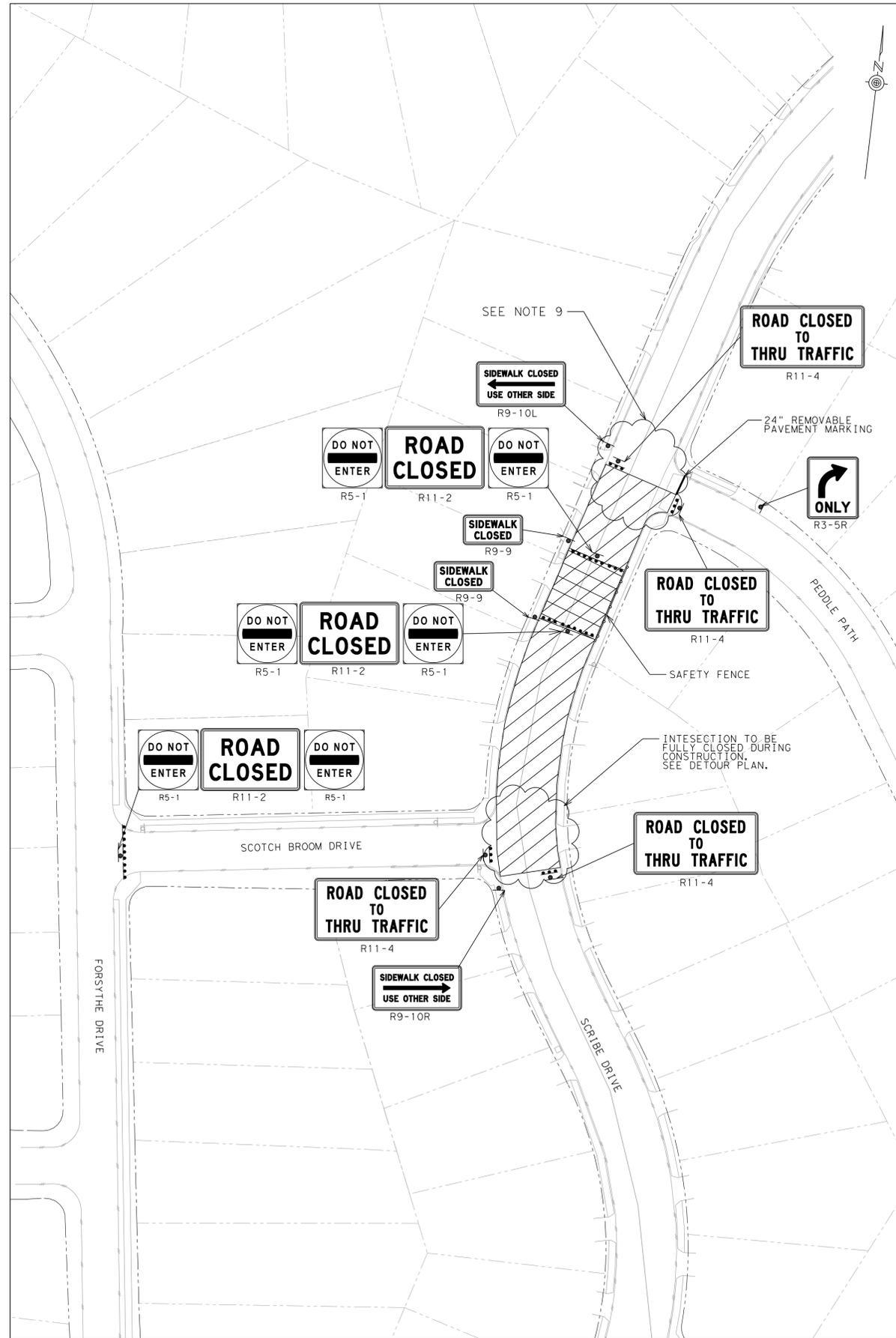


K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
CITY OF AUSTIN
WATERS PARK RELIEF MAIN
TRAFFIC CONTROL PLAN

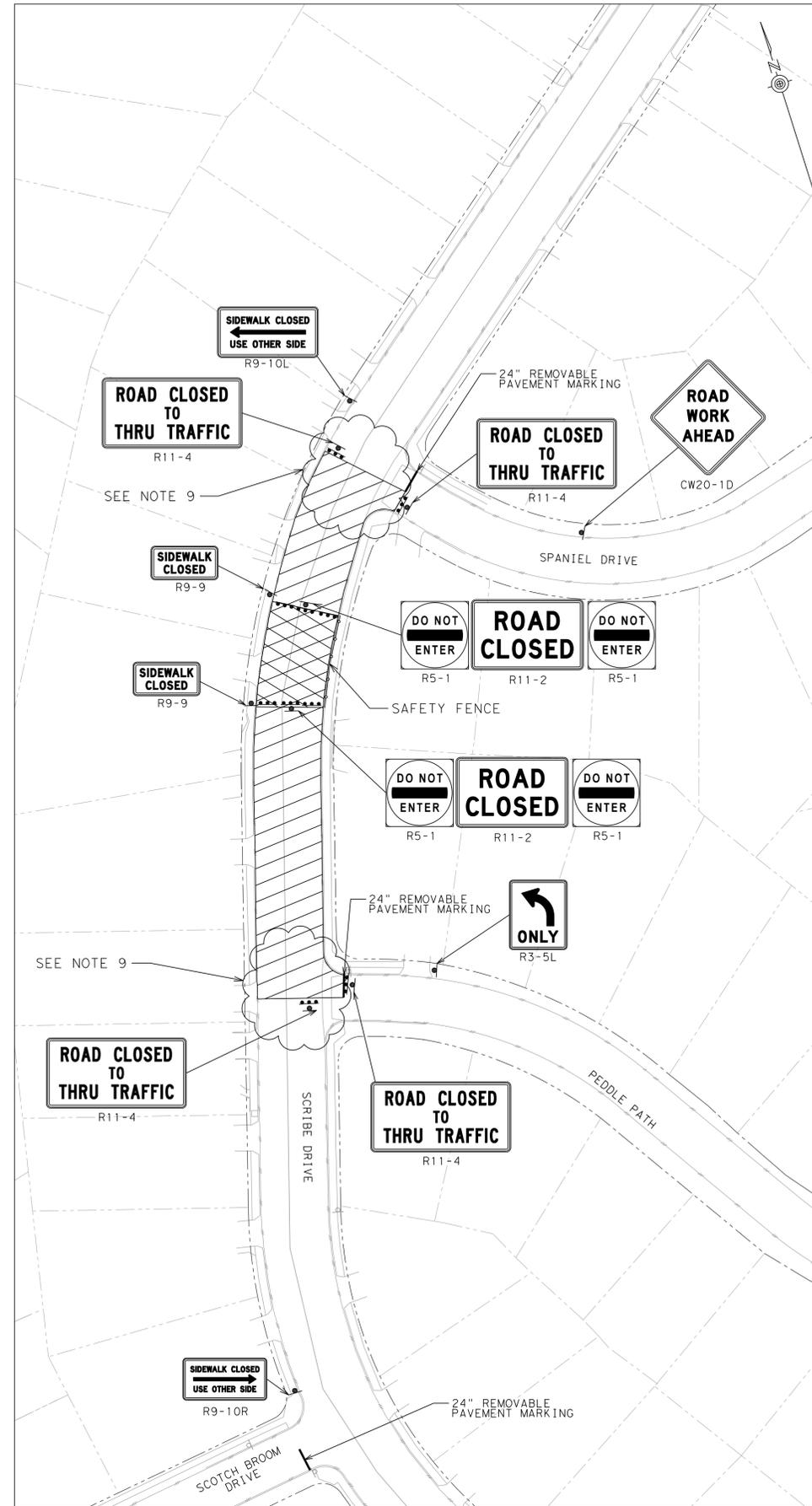


CITY OF AUSTIN	PERMIT #
SCALE 1" = 50'	DATE 4/28/2016
SHEET NUMBER 31 OF 82	

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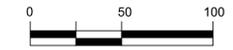
PHASE C-1
SEE SHEET 35 FOR
DETOUR ROUTE



PHASE C-2
SEE SHEET 35 FOR
DETOUR ROUTE

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EXISTING EOP
- EXISTING WASTEWATER LINE
- PROPOSED WASTEWATER LINE
- TYPE III BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- CONSTRUCTION SAFETY FENCE
- CONSTRUCTION AREA
- WORK ZONE

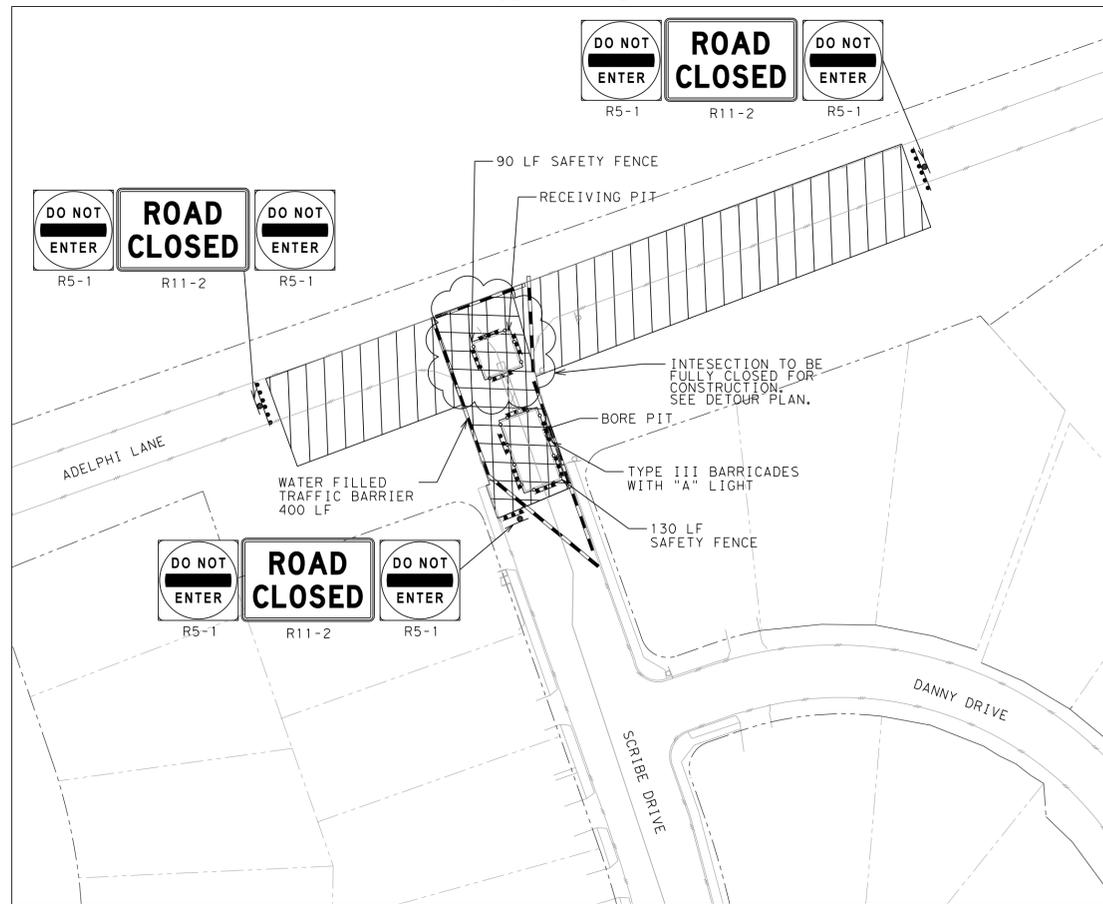
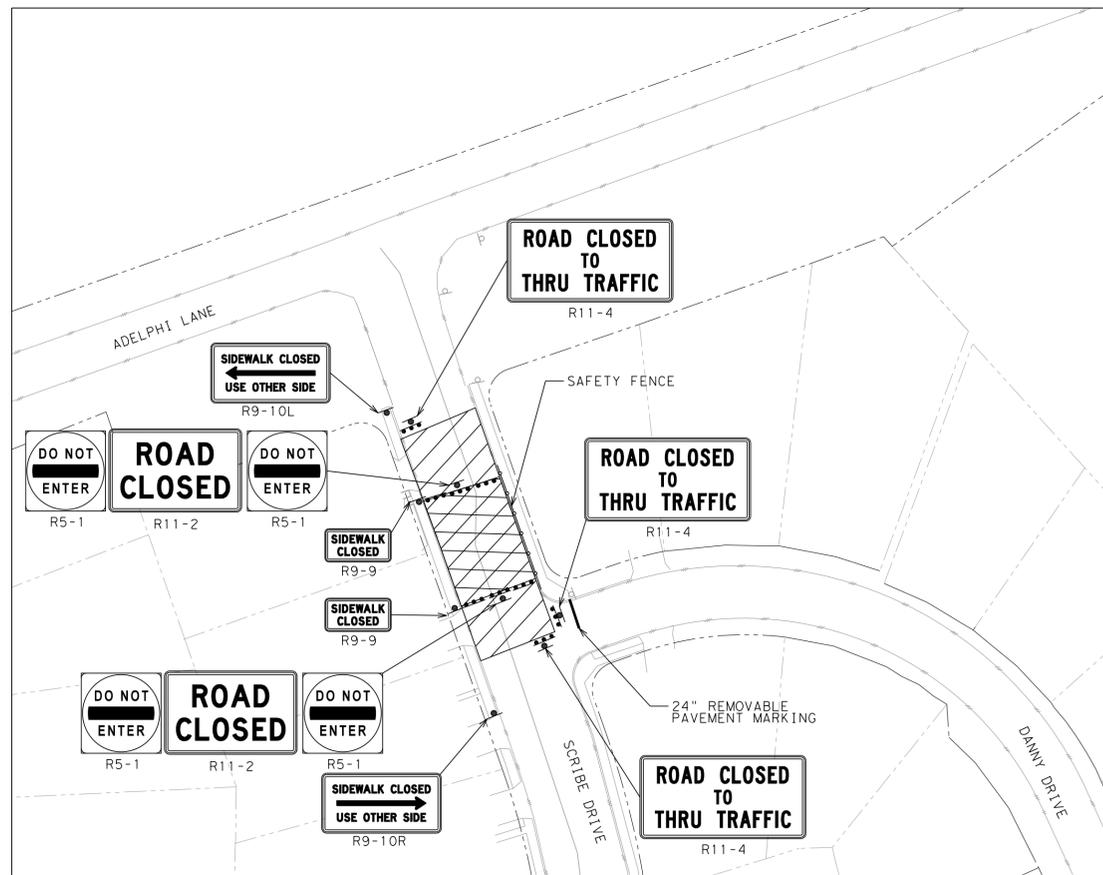
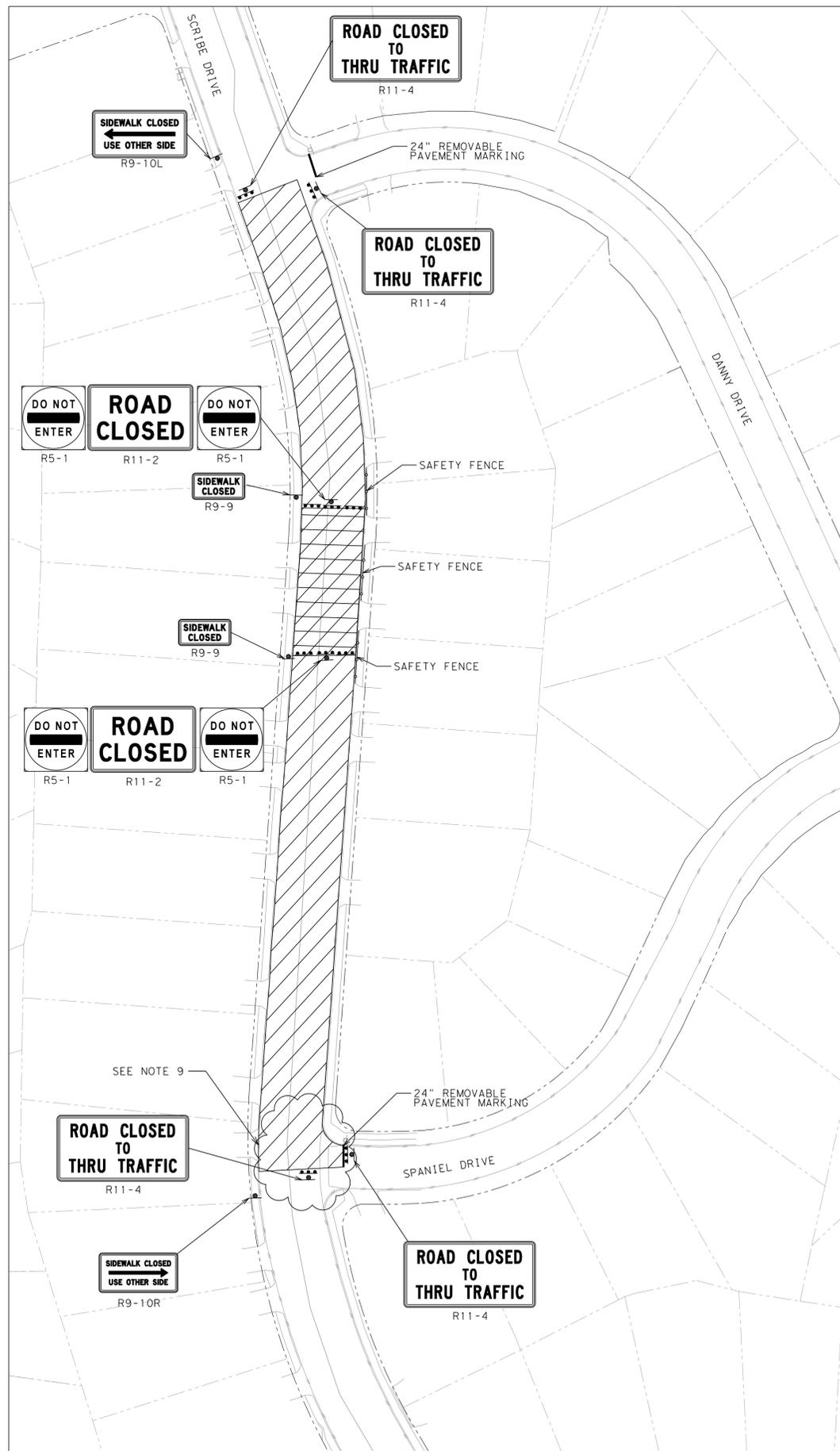


NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
3. WITH ATD INSPECTION STAFF, CONTRACTOR SHALL CLOSE ROADWAY FOR A MAXIMUM LENGTH FOR CONSTRUCTION TO BE COMPLETED WITHIN ONE DAY.
4. CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AT ALL TIMES EXCEPT WHEN DIRECTLY IN FRONT OF DRIVEWAY. CONTRACTOR TO NOTIFY AFFECTED PROPERTY OWNERS AT LEAST 48 HOURS PRIOR TO CLOSURE OF ROADWAY.
5. OBSTRUCTED MAILBOXES SHALL BE TEMPORARILY RELOCATED DIRECTLY ACROSS THE STREET IN ACCORDANCE WITH THE SAFETY AND CONVENIENCE SPECIFICATION.
6. SEE SHEETS 34 TO 37 FOR TRAFFIC CONTROL DETOUR PLAN LAYOUTS AND ADVANCED WARNING SIGNAGE.
7. CONTRACTOR SHALL INSTALL SAFETY FENCE WHEN EXCAVATION OR EQUIPMENT WILL BE WITHIN 15 FEET OF THE SIDEWALK.
8. ALL TRAFFIC CONTROL DEVICES MOVE WITH WORK ZONE (AS WORK PROGRESSES).
9. INTERSECTION CROSSINGS SHALL BE CONSTRUCTED A HALF AT A TIME AS NOTED. ACCESS TO SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
10. EXCAVATIONS SHALL BE BACKFILLED OR PLATED WHEN REQUIRED TO OPEN IMPACTED TRAFFIC LANES. FOR EXCAVATIONS EXCEEDING A TRANSVERSE WIDTH OF 5 FEET, THE CONTRACTOR SHALL PROVIDE AN ENGINEERED PLATING PLAN TO THE OWNER'S REPRESENTATIVE FOR REVIEW BY RIGHT OF WAY MANAGEMENT.
11. ATD INSPECTOR IS REQUIRED TO BE AT THE PRE-CONSTRUCTION MEETING AND ALL INITIAL PHASE SET-UPS.

REVISION DESCRIPTION DATE REV. BY NO.	TO 4/28/16 #1 - ENTIRE SHEET				
K FRIESE & ASSOCIATES, INC. 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746 CITY OF AUSTIN WATERS PARK RELIEF MAIN TRAFFIC CONTROL PLAN					
 PUBLIC PROJECT ENGINEERING (FIRM # 6535)					
 CITY OF AUSTIN FOUNDED 1859					
PERMIT # _____					
SCALE 1" = 50'					
DATE 4/28/2016					
SHEET NUMBER 32 OF 82					

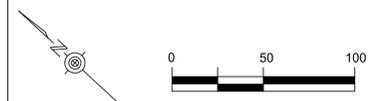
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LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EXISTING EOP
- EXISTING WASTEWATER LINE
- PROPOSED WASTEWATER LINE
- TYPE III BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- CONSTRUCTION SAFETY FENCE
- CONSTRUCTION AREA
- WORK ZONE

- NOTES:**
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
 - WITH ATD INSPECTION STAFF, CONTRACTOR SHALL CLOSE ROADWAY FOR A MAXIMUM LENGTH FOR CONSTRUCTION TO BE COMPLETED WITHIN ONE DAY.
 - CONTRACTOR TO MAINTAIN ACCESS TO RESIDENCES AT ALL TIMES EXCEPT WHEN DIRECTLY IN FRONT OF DRIVEWAY. CONTRACTOR TO NOTIFY AFFECTED PROPERTY OWNERS AT LEAST 48 HOURS PRIOR TO CLOSURE OF ROADWAY.
 - OBSTRUCTED MAILBOXES SHALL BE TEMPORARILY RELOCATED DIRECTLY ACROSS THE STREET IN ACCORDANCE WITH THE SAFETY AND CONVENIENCE SPECIFICATION.
 - SEE SHEETS 34 TO 37 FOR TRAFFIC CONTROL DETOUR PLAN LAYOUTS AND ADVANCED WARNING SIGNAGE.
 - CONTRACTOR SHALL INSTALL SAFETY FENCE WHEN EXCAVATION OR EQUIPMENT WILL BE WITHIN 15 FEET OF THE SIDEWALK.
 - ALL TRAFFIC CONTROL DEVICES MOVE WITH WORK ZONE (AS WORK PROGRESSES).
 - INTERSECTION CROSSINGS SHALL BE CONSTRUCTED A HALF AT A TIME AS NOTED. ACCESS TO SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
 - EXCAVATIONS SHALL BE BACKFILLED OR PLATED WHEN REQUIRED TO OPEN IMPACTED TRAFFIC LANES. FOR EXCAVATIONS EXCEEDING A TRANSVERSE WIDTH OF 5 FEET, THE CONTRACTOR SHALL PROVIDE AN ENGINEERED PLATING PLAN TO THE OWNER'S REPRESENTATIVE FOR REVIEW BY RIGHT OF WAY MANAGEMENT.
 - ATD INSPECTOR IS REQUIRED TO BE AT THE PRE-CONSTRUCTION MEETING AND ALL INITIAL PHASE SET-UPS.



REVISION DESCRIPTION	ADDENDA #1 - ENTIRE SHEET
DATE	4/28/16
REV. BY	
NO.	1

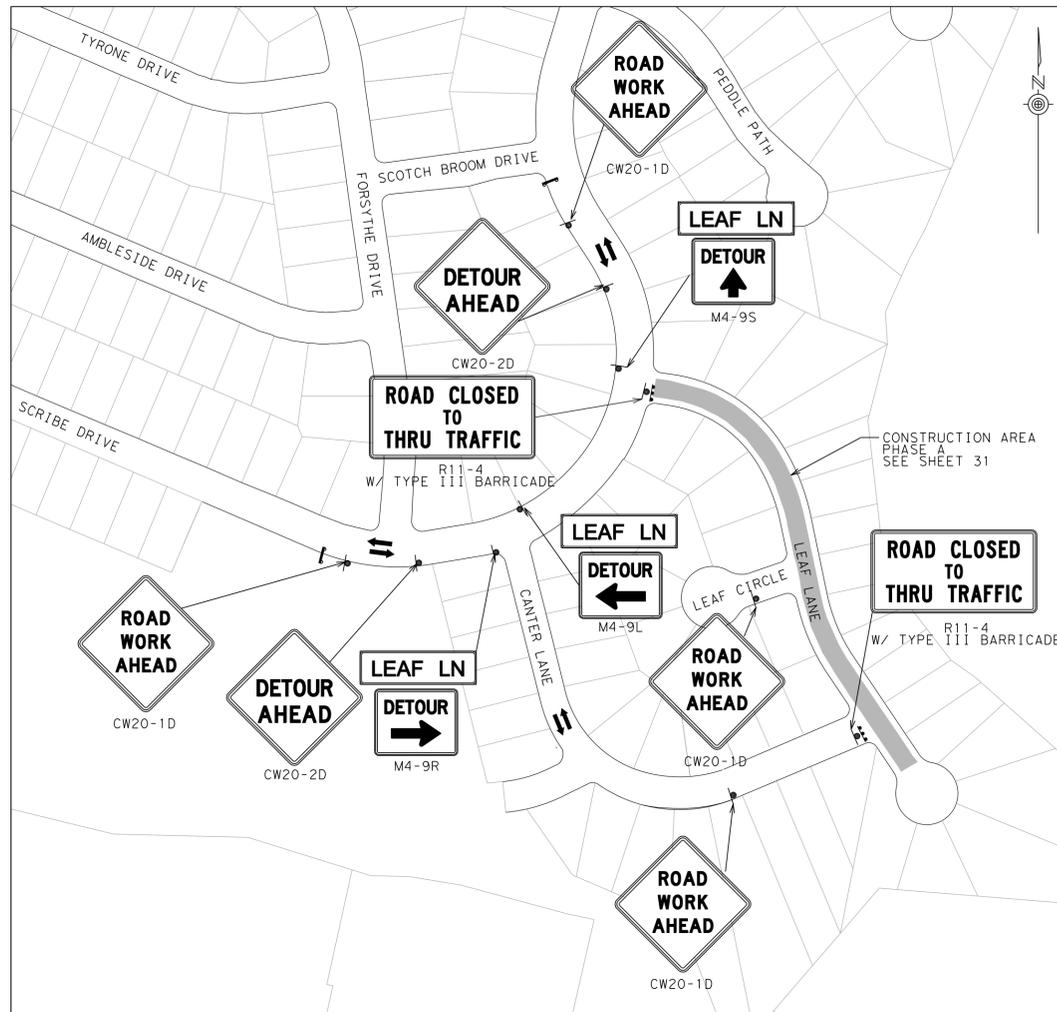
K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746

CITY OF AUSTIN
WATERS PARK RELIEF MAIN
TRAFFIC CONTROL PLAN

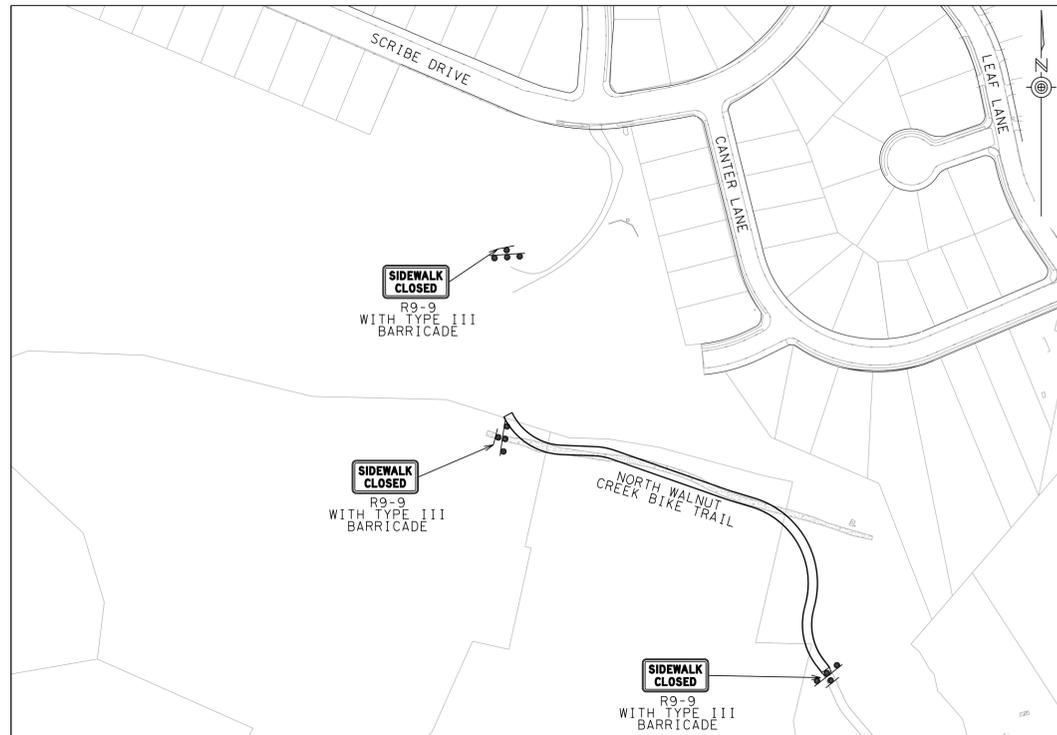
CITY OF AUSTIN

PERMIT #	
SCALE	1" = 50'
DATE	4/28/2016
SHEET NUMBER	33 OF 82

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DETOUR PLAN FOR PHASE A
NOT TO SCALE



NORTH WALNUT CREEK BIKE TRAIL CLOSURE
NOT TO SCALE



DETOUR PLAN FOR PHASE B
NOT TO SCALE

NOTES:

- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
- SEE SHEETS 31 TO 33 FOR TRAFFIC CONTROL PLANS.
- PORTABLE MESSAGE BOARDS ADVISE OF CONSTRUCTION AND SHALL BE PLACED ONE WEEK PRIOR TO CONSTRUCTION. MESSAGE BOARDS SHALL BE INSTALLED AS TO NOT BLOCK SIDEWALKS.
- PORTABLE MESSAGE BOARD TO READ AS FOLLOWS:
 "EXPECT _____"
 "DELAYS _____"
 "AHEAD _____"

LEGEND

— PORTABLE MESSAGE BOARD

REV. NO.	DATE	REVISION DESCRIPTION
1	TO 4/28/16	ADDENDA #1 - ENTIRE SHEET

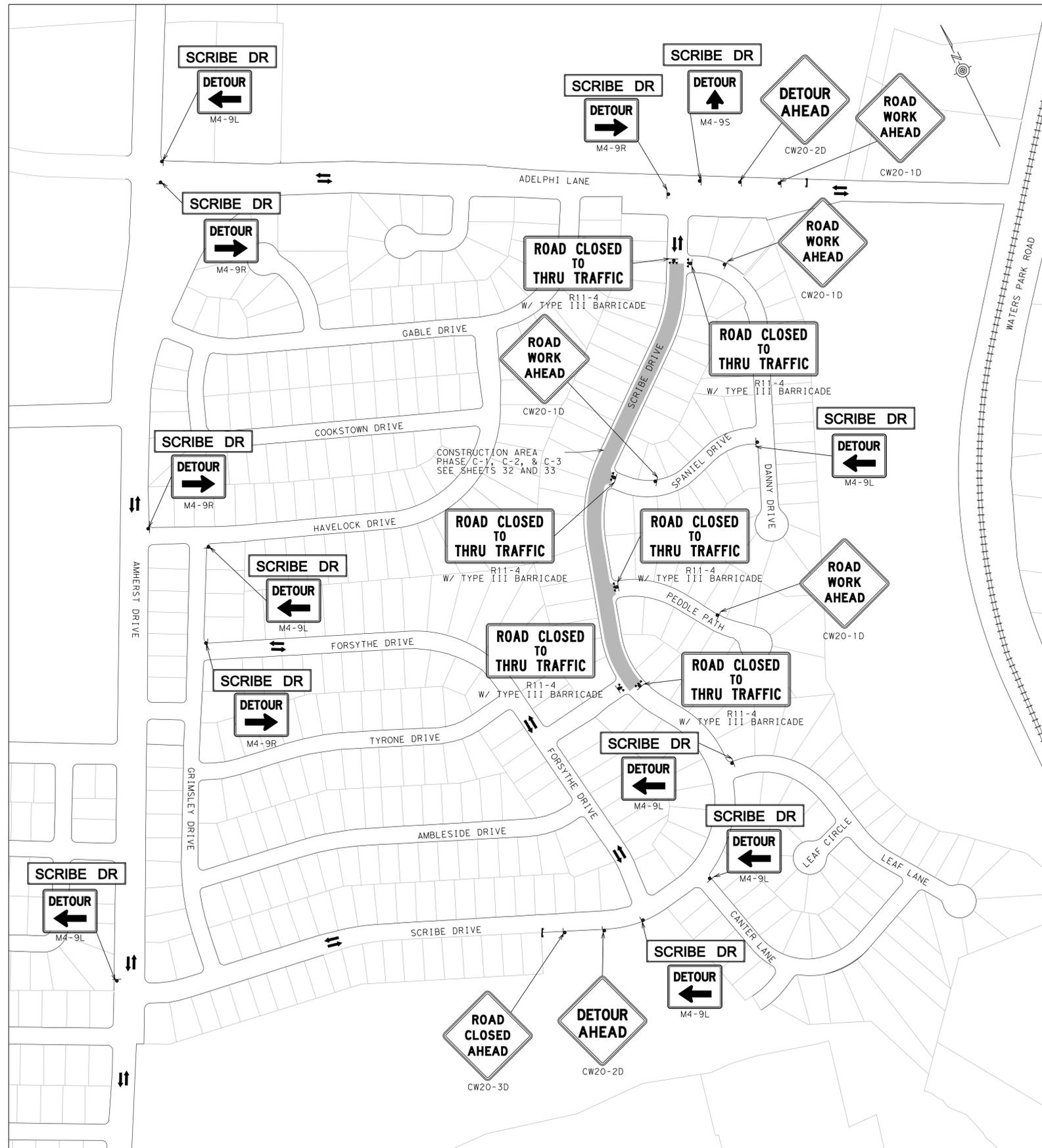


K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 TRAFFIC CONTROL DETOUR PLAN



PERMIT #	
SCALE	N.T.S.
DATE	4/28/2016
SHEET NUMBER	34 OF 82

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DETOUR PLAN FOR PHASES C1, C2, & C3
NOT TO SCALE

LEGEND

— PORTABLE MESSAGE BOARD

NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
3. SEE SHEETS 31 TO 33 FOR TRAFFIC CONTROL PLANS.
4. PORTABLE MESSAGE BOARDS ADVISE OF CONSTRUCTION AND SHALL BE PLACED ONE WEEK PRIOR TO CONSTRUCTION. MESSAGE BOARDS SHALL BE INSTALLED AS TO NOT BLOCK SIDEWALKS.
5. PORTABLE MESSAGE BOARD TO READ AS FOLLOWS:
 "EXPECT" ——— : :
 "DELAYS" ——— : :
 "AHEAD" ——— : :

REV. NO.	BY	DATE	REVISION DESCRIPTION
1	TO	4/28/16	ADDENDA #1 - ENTIRE SHEET

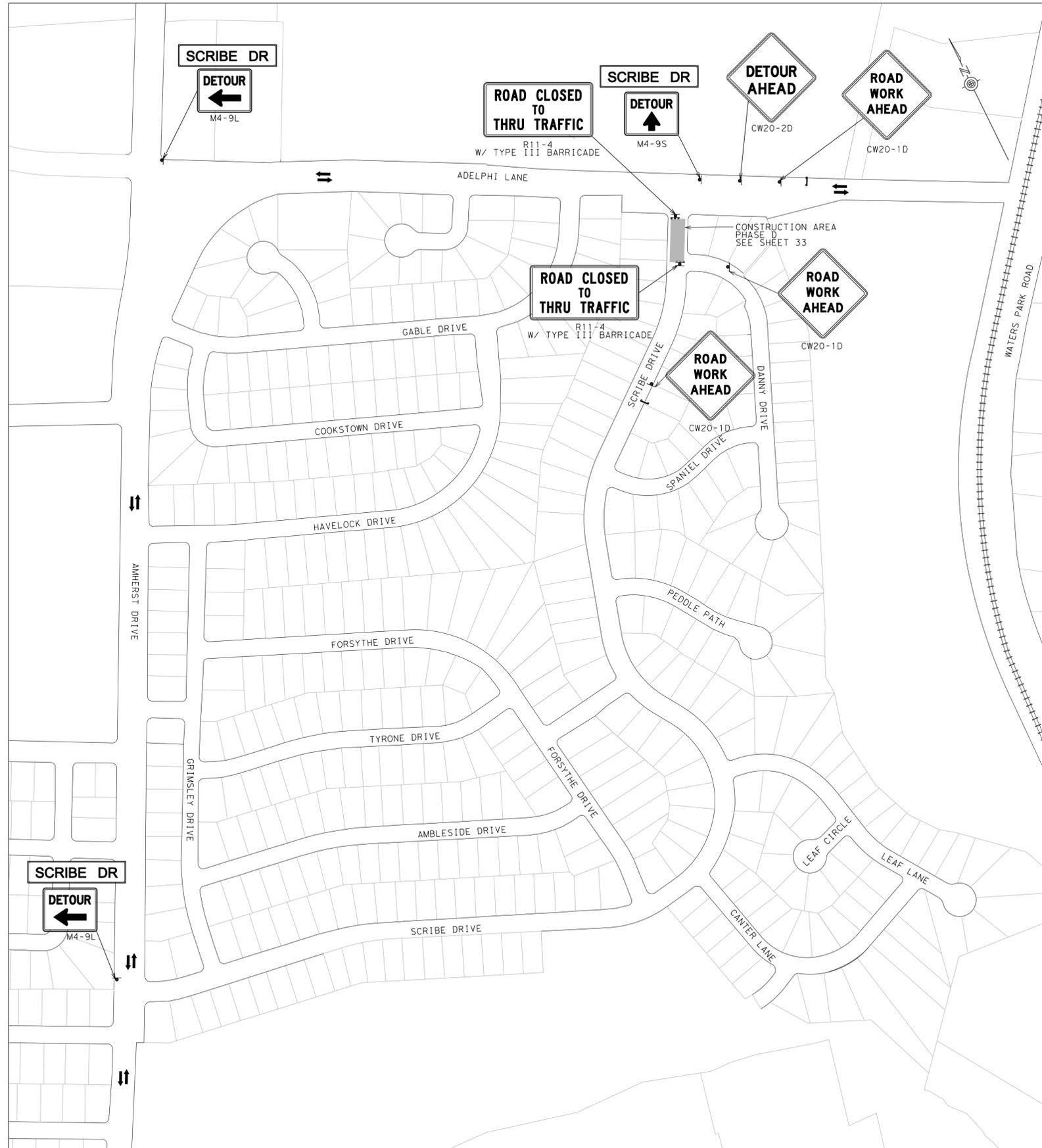


K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 TRAFFIC CONTROL DETOUR PLAN



CITY OF AUSTIN	PERMIT #
SCALE	N.T.S.
DATE	4/28/2016
SHEET NUMBER	35 OF 82

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DETOUR PLAN FOR PHASE D
NOT TO SCALE

LEGEND

— PORTABLE MESSAGE BOARD

NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
3. SEE SHEETS 31 TO 33 FOR TRAFFIC CONTROL PLANS.
4. PORTABLE MESSAGE BOARDS ADVISE OF CONSTRUCTION AND SHALL BE PLACED ONE WEEK PRIOR TO CONSTRUCTION. MESSAGE BOARDS SHALL BE INSTALLED AS TO NOT BLOCK SIDEWALKS.
5. PORTABLE MESSAGE BOARD TO READ AS FOLLOWS:
 "EXPECT _____"
 "DELAYS _____"
 "AHEAD _____"

REV. NO.	BY	DATE	REVISION DESCRIPTION
1		TO 4/28/16	ADDENDA #1 - ENTIRE SHEET

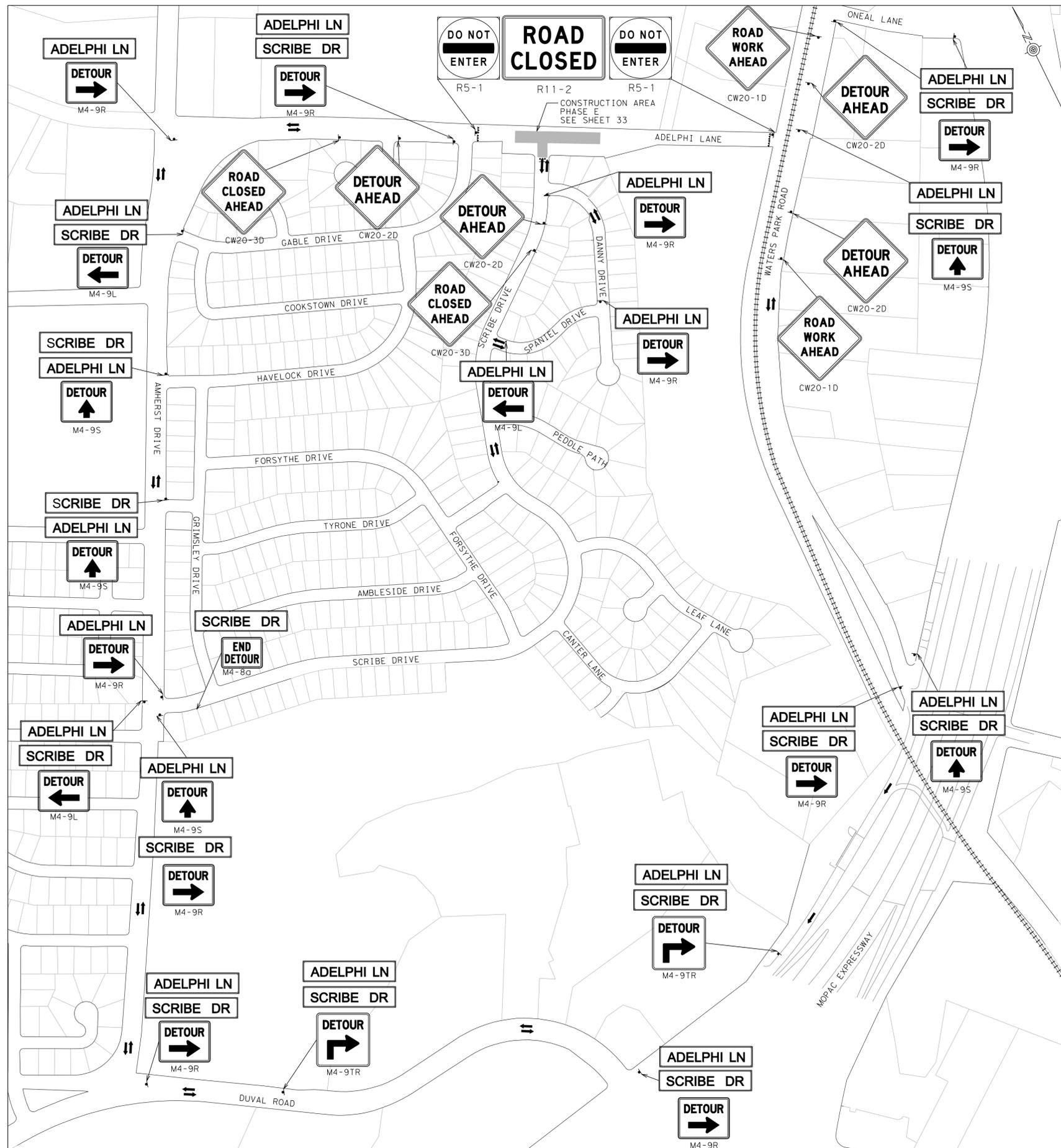


K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 TRAFFIC CONTROL DETOUR PLAN



PERMIT #	
SCALE	N.T.S.
DATE	4/28/2016
SHEET NUMBER	36 OF 82

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DETOUR PLAN FOR PHASE E
NOT TO SCALE

LEGEND
 PORTABLE MESSAGE BOARD

- NOTES:**
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARDS.
 - SEE SHEETS 31 TO 33 FOR TRAFFIC CONTROL PLANS.
 - PORTABLE MESSAGE BOARDS ADVISE OF CONSTRUCTION AND SHALL BE PLACED ONE WEEK PRIOR TO CONSTRUCTION. MESSAGE BOARDS SHALL BE INSTALLED AS TO NOT BLOCK SIDEWALKS.
 - PORTABLE MESSAGE BOARD TO READ AS FOLLOWS:
 "EXPECT _____"
 "DELAYS _____"
 "AHEAD _____"

REV. NO.	BY	DATE	REVISION DESCRIPTION
1		TO 4/28/16	ADDENDA #1 - ENTIRE SHEET



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746
CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 TRAFFIC CONTROL DETOUR PLAN



CITY OF AUSTIN	
PERMIT #	
SCALE	N.T.S.
DATE	4/28/2016
SHEET NUMBER	37 OF 82

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LEGEND

- PROPERTY LINE
- - - RIGHT-OF-WAY
- - - EXISTING EOP
- ▨ STANDARD HMAC TYPE C REPAVING LIMITS
- SIDEWALK REPAIR

0 50 100

REVISION	DESCRIPTION
1	ADDENDA #1-REVISE NOTE

DATE: 4/28/16

REV BY: 1

NO. 1

Thomas M. Owens

STATE OF TEXAS
 THOMAS M. OWENS
 84764
 LICENSED
 PROFESSIONAL ENGINEER
 28 APR 2016

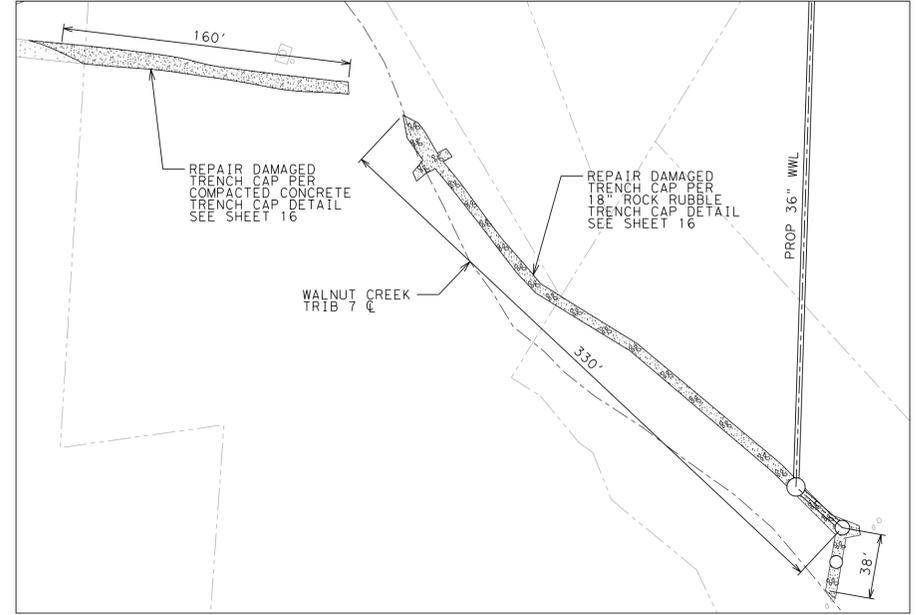
K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746

CITY OF AUSTIN
 WATERS PARK RELIEF MAIN
 REPAVING AND REPAIR PLAN

K FRIESE + ASSOCIATES
 PUBLIC PROJECT ENGINEERING
 (FIRM # 6535)



CITY OF AUSTIN	
PERMIT #	
SCALE	1" = 50'
DATE	4/28/2016
SHEET NUMBER	42 OF 82



PROPOSED TRENCH CAP RESTORATION

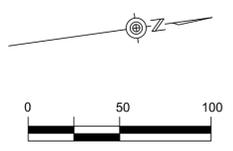
- NOTES:
1. PAVING REPAIR LIMITS WILL INCLUDE THE ENTIRE ROADWAY.
 2. REMOVAL AND REPLACEMENT OF EXISTING CURB AND GUTTER SHALL BE CONSIDERED SUBSIDIARY TO INSTALLATION OF PIPE.
 3. RELOCATE ALL EXISTING DISTURBED SIGNS TO TEMPORARY SUPPORTS IN ACCORDANCE WITH CITY OF AUSTIN DETAIL 804S-5.
 4. RETURN SIGNS TO ORIGINAL LOCATIONS RECONSTRUCTING BASES AS NEEDED IN ACCORDANCE WITH CITY OF AUSTIN DETAIL 824S-2.

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LEGEND

- PROPERTY LINE
- - - RIGHT-OF-WAY
- - - EXISTING EOP
- [Hatched Box] STANDARD HMAC TYPE C REPAVING LIMITS
- [Solid Black Box] SIDEWALK REPAIR



- NOTES:
1. PAVING REPAIR LIMITS WILL INCLUDE THE ENTIRE ROADWAY.
 2. REMOVAL AND REPLACEMENT OF EXISTING CURB AND GUTTER SHALL BE CONSIDERED SUBSIDIARY TO INSTALLATION OF PIPE.
 3. RELOCATE ALL EXISTING DISTURBED SIGNS TO TEMPORARY SUPPORTS IN ACCORDANCE WITH CITY OF AUSTIN DETAIL 804S-5.
 4. RETURN SIGNS TO ORIGINAL LOCATIONS RECONSTRUCTING BASES AS NEEDED IN ACCORDANCE WITH CITY OF AUSTIN DETAIL 824S-2.

REV. NO.	DATE	REVISION DESCRIPTION
1	4/28/16	ADDENDA #1-REVISE NOTE



K FRIESE & ASSOCIATES, INC.
 1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746

CITY OF AUSTIN
WATERS PARK RELIEF MAIN
REPAVING AND REPAIR PLAN



PERMIT #	
SCALE	1" = 50'
DATE	4/28/2016
SHEET NUMBER	43 OF 82

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1. ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES AND WARNING SIGNS SHALL BE FURNISHED, PLACED, CONSTRUCTED AND MAINTAINED IN THE APPROPRIATE TYPES AND SIZES AND FLAGGER OPERATIONS EXECUTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE TEXAS MANUAL ON UNIFORM CONTROL DEVICES (TMUCD), THE CITY OF AUSTIN STANDARD SPECIFICATIONS SERIES 800 AND THE CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL, OR AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. IF A CONFLICT ARISES THEN THE CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL SHALL CONTROL UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.

2. THE CONTRACTOR SHALL NOTIFY THE TRANSPORTATION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS AT 974-7024 NO LATER THAN THE MONDAY OF THE WEEK DURING WHICH THE CONTRACTOR INTENDS TO SET UP BARRICADES TO START CONSTRUCTION.

3. PROPOSED CONSTRUCTION TRAFFIC MOVEMENTS MAY REQUIRE EXISTING SIGNAL HEADS TO BE RELOCATED. THE CITY OF AUSTIN WILL REVIEW SIGNAL HEAD LOCATIONS DURING CONSTRUCTION AND PERFORM THE REQUIRED ADJUSTMENTS. THE CONTRACTOR SHALL CONTACT THE TRANSPORTATION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS AT 974-7024, THREE (3) DAYS PRIOR TO PLACEMENT ANY TRAFFIC CONTROLS WHICH MAY REQUIRE SIGNAL HEAD ADJUSTMENTS/RELOCATION.

4. THE CONTRACTOR SHALL PROVIDE ONE (1) FULL-TIME OFF-DUTY, UNIFORMED AUSTIN POLICE DEPARTMENT CERTIFIED PEACE OFFICER AND ONE (1) VEHICLE OF THE TYPE APPROVED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE FOR TEMPORARY LANE CLOSURES WHEN UNDERSEALING, MILLING, PAVING AND WHEN WORKING IN INTERSECTIONS AS PART OF THE TRAFFIC CONTROL OPERATIONS. THE PEACE OFFICER SHALL BE ABLE TO SHOW PROOF OF CERTIFICATION BY THE TEXAS COMMISSION ON LAW ENFORCEMENT OFFICER STANDARDS.

5. THE CONTRACTOR SHALL NOTIFY ALL OTHER GOVERNMENTAL AGENCIES WHOSE RIGHTS-OF-WAY ARE AFFECTED BY HIS WORK ACTIVITIES. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT THEY MAY NEED.

6. THE CONTRACTOR SHALL MAINTAIN ONE (1) DUST-FREE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR APPROVED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.

7. THERE SHALL BE A MINIMUM OF THREE (3) METERS (10 FEET) CLEAR WIDTH FOR EACH LANE OF TRAFFIC IN CHANNELIZED AREAS, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR APPROVED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.

8. THE CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES. IF ACCESS CANNOT BE MAINTAINED, THE CONTRACTOR WITH THE APPROVAL OF THE ENGINEER OR DESIGNATED REPRESENTATIVE SHALL PROVIDE AT LEAST 24 HOUR WRITTEN NOTICE OF LIMITED ACCESS TO AFFECTED PROPERTY OWNERS. THE CONTRACTOR SHALL PROVIDE BUSINESS ACCESS SIGNS AS NEEDED TO INFORM DRIVERS OF THE LOCATIONS OF ALL DRIVEWAYS.

9. TEMPORARY LANE CLOSURES IN THE CENTRAL BUSINESS DISTRICT (CBD) OR ON ARTERIAL STREETS SHALL NOT BE PERMITTED DURING THE HOURS OF 7 AM TO 9 AM AND 4 PM TO 6 PM MONDAY THROUGH FRIDAY UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE TRANSPORTATION DIVISION.

10. TRAFFIC CONTROL SHOWN ON STANDARD DETAILS IS TYPICAL. ADDITIONAL SIGNING AND/OR BARRICADING, AS WELL AS TEMPORARY PAVEMENT MARKINGS AND OBLITERATION/RESTORATION OF EXISTING PAVEMENT MARKINGS, MAY BE REQUIRED DEPENDING ON FIELD CONDITIONS. FIELD ADJUSTMENTS TO TRAFFIC CONTROLS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM NO. 803S "BARRICADES, SIGNS AND TRAFFIC HANDLING".

11. THE CONTRACTOR SHALL DESIGNATE A COMPETENT PERSON FOR TRAFFIC CONTROL. THE COMPETENT PERSON SHALL MAKE INSPECTIONS OF THE TRAFFIC CONTROL DEVICES AT LEAST TWO (2) TIMES A DAY (ONCE AT THE BEGINNING OF THE DAY AND ONCE AT THE END OF THE DAY), INCLUDING NON-WORKING DAYS, ENSURING THAT ALL DEVICES ARE IN THEIR PROPER PLACE AND ARE IN WORKING ORDER.

12. ALL DEVICES SHALL BE MADE USING MATERIALS LISTED ON THE TxDOT APPROVED PRODUCTS LIST.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		GENERAL TRAFFIC CONTROL NOTES	
RECORD COPY SIGNED BY SAM ANGOORI	01/04/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 804S-5 12 OF 13

13. ALL PERSONS WORKING WITHIN THE RIGHT-OF-WAY SHALL WEAR A BRIGHTLY COLORED SAFETY VEST. FOR NIGHTTIME WORK THE VEST SHALL BE RETROREFLECTIVE.

14. WHEN AN INTERSECTION IS CLOSED FOR CONSTRUCTION, THE CONTRACTOR SHALL PROCEED WITH CONSTRUCTION IN SUCH A MANNER THAT THE CLOSURE TIME IS MINIMIZED.

15. THE CONTRACTOR SHALL NOTIFY THE CAPITAL METRO DISPATCHER AT 385-4295 ONE (1) WEEK PRIOR TO LANE CLOSURES ADJACENT TO BUS STOPS.

DURATION OF WORK
WORK DURATION IS A MAJOR FACTOR IN DETERMINING THE NUMBER AND TYPES OF DEVICES USED IN TEMPORARY TRAFFIC ZONES. THE FIVE (5) CATEGORIES OF WORK DURATION AND THEIR TIME AT A LOCATION ARE AS FOLLOWS:

- LONG-TERM STATIONARY-WORK THAT OCCUPIES A LOCATION FOR MORE THAN 3 DAYS.
- INTERMEDIATE-TERM STATIONARY-WORK THAT OCCUPIES A LOCATION FROM OVERNIGHT TO 3 DAYS.
- SHORT-TERM STATIONARY-DAYTIME WORK THAT OCCUPIES A LOCATION FROM 1 TO 12 HOURS.
- SHORT-DURATION WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
- MOBILE-WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

Posted Speed KPH (MPH)	Formula	Minimum Desirable Taper Lengths (L) Meters (Feet)		On a tangent Meters (feet)	On a curve Meters (feet)	Suggested Sign Spacing Meters (Feet)
		3.0(10)	3.3(11)			
50 (30)	L=WS ² 60	45 (150)	50 (165)	9 (30)	15-20 (60-75)	40 (120)
55 (35)		65 (205)	70 (225)	12 (35)	25-25 (70-90)	50 (160)
65 (40)	L=WS	90 (265)	100 (295)	12 (40)	30-35 (80-100)	75 (240)
70 (45)		135 (450)	165 (540)	15 (45)	35-40 (90-110)	100 (320)
80 (50)	L=WS	150 (500)	165 (550)	15 (50)	30-35 (100-125)	120 (400)
90 (55)		165 (550)	185 (605)	16 (55)	35-40 (110-140)	150 (500)
100 (60)	L=WS	180 (600)	200 (660)	18 (60)	40-45 (120-150)	180 (600)
105 (65)		195 (650)	215 (715)	19 (65)	40-50 (130-165)	210 (700)
115 (70)	L=WS	215 (700)	235 (770)	21 (70)	45-55 (140-175)	240 (800)
		215 (700)	235 (770)	21 (70)	45-55 (140-175)	240 (800)

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		GENERAL TRAFFIC CONTROL NOTES	
RECORD COPY SIGNED BY SAM ANGOORI	01/04/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 804S-5 13 OF 13

GROUND MOUNTED STREET NAME SIGN

3/8" x 1/2" DRIVE RIVET AND NYLON WASHER

NOTE: (2) ONE-SIDED D3 SIGNS ARE REQUIRED FOR EACH DIRECTION OF TRAFFIC ON EACH POLE.

A	B	C	D	E	F	T
24"	9"	12"	3/4"	8"	12"	0.08"
30"	9"	12"	3/4"	8"	15"	0.08"
36"	9"	12"	3/4"	8"	18"	0.08"
42"	9"	12"	3/4"	8"	21"	0.08"
48"	9"	12"	3/4"	8"	24"	0.08"
54"	9"	12"	3/4"	8"	27"	0.08"

SIGN TO POLE INSTALLATION

HEIGHT	9"
LENGTH	24" MIN. 54 MAX. 6" INCREMENTS OF LENGTH
THICKNESS	0.08"
SUBSTRATE	ALUMINUM ALLOY, 6061-T-6, OR TYPE IV 5052-H38 (ASTM B-209)
SIGN FACE MATERIALS	GREEN FILM OVER HIGH INTENSITY PRISMATIC SHEETING
LEGENDS AND SYMBOLS	SERIES D (USUAL) SERIES C OR B FOR MAXIMUM LENGTH SIGN BLANK, IF NECESSARY
COLOR	WHITE LEGEND ON GREEN BACKGROUND WITH 1/2" WHITE BORDER

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		GROUND MOUNTED TRAFFIC AND STREET NAME SIGNS	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 824-2 1 OF 3

TYPE "U" MOUNT
PERFORATED SQUARE METAL TUBING (DRIVEABLE)

VIEW K-K

MULTI-DIRECTIONAL ANCHOR

FOR USE IN SOIL:
SIGN POST:
12 GAUGE
2" SQUARE X 30"

WINGS:
10 GAUGE
4" X 12"
ASTM A569 COM. QUALITY WELDED TO ALL 4
CORNERS STARTING 2 1/2" DOWN FROM TOP

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		GROUND MOUNTED TRAFFIC AND STREET NAME SIGNS - SOIL	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 824-2 2 OF 3

TYPE "U" MOUNT
PERFORATED SQUARE METAL TUBING (DRIVEABLE)

VIEW K-K

MULTI-DIRECTIONAL ANCHOR

FOR USE IN SOIL:
SIGN POST:
12 GAUGE
2" SQUARE X 30"

WINGS:
10 GAUGE
4" X 12"
ASTM A569 COM. QUALITY WELDED TO ALL 4
CORNERS STARTING 2 1/2" DOWN FROM TOP

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		GROUND MOUNTED TRAFFIC AND STREET NAME SIGNS - CONCRETE	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 824-2 3 OF 3

TEMPORARY TRENCH REPAIR IN ASPHALTIC SURFACE
ITEM 510 SECTION 510.3 (25)(h)

2" TEMPORARY PAVEMENT SURFACE (SEE NOTES 1 AND 2)

EXISTING ASPHALT SURFACE

SAW CUT (TYP.) (SEE NOTE 3)

DEPTH VARIES

EXISTING FLEXIBLE BASE

REQUIRED FOR ARTERIAL AND COLLECTOR STREETS (SEE NOTE 2)

COMPACTED BACKFILL SEE ITEM 510 SECTION 510.3(25)

12" (300 mm) MAX.

6" (150 mm) MIN.
12" (300 mm) MAX.

PIPE BEDDING MATERIAL IN CONFORMANCE WITH ITEM 510 SECTIONS 510.2(2) AND 510.3(14)

FINISHED SURFACE SHALL PROVIDE A SMOOTH AND SAFE RIDING SURFACE (SEE NOTE 6)

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		TEMPORARY TRENCH REPAIR- ASPHALT SURFACE	
RECORD COPY SIGNED BY BILL GARDNER	12/09/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1100S-4 1 OF 2

TEMPORARY PAVEMENT REPAIRS SHALL BE ALLOWED NO LONGER THAN 90 DAYS AFTER PASSING THE WATER PRESSURE AND/OR WASTEWATER MANDREL TESTS. IF TEMPORARY PAVEMENT REPAIRS ARE TO REMAIN IN PLACE FOR A PERIOD EXCEEDING 90 DAYS, ON ANY SINGLE TRENCH LINE OR INDIVIDUAL STREET, SUCH TEMPORARY PAVEMENT SHALL BE HMA/AC PLACED AND COMPACTED SUFFICIENTLY TO WITHSTAND THE ANTICIPATED TRAFFIC LOADS OVER THE DURATION OF THE TEMPORARY REPAIR.

IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE USING COLD MIX AC IN ACCORDANCE WITH TxDOT "DMS-9203, RAPID CURING ASPHALT CONCRETE PATCHING MATERIAL" OR TEMPORARY HMA/AC PER COA ITEM "2465 HOT MIX ASPHALTIC CONCRETE PAVEMENT". A MINIMUM OF TWO INCHES (2") OF TEMPORARY COLD MIX OR HMA/AC SHALL BE PLACED OVER COMPACTED BACKFILL. FLEXIBLE BASE SHALL ALSO BE REQUIRED, FOR ALL COLLECTOR OR ARTERIAL STREETS.

THE EXISTING CONCRETE OR ASPHALT PAVING SURFACE SHALL BE SAW CUT. SAW CUTS SHALL BE IN A STRAIGHT LINE ALONG THE SIDES OF THE TRENCH OR MANHOLE EXCAVATION AND SYMMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION. ANY DAMAGED EDGES SHALL BE RE-SAW CUT IF REQUIRED BY THE OWNER. HMA/AC OR COLD MIX SHALL BE FREE OF CONTAMINATION AS DETERMINED BY A VISUAL INSPECTION BY THE OWNER'S REPRESENTATIVE. REFERENCE ITEM 340S SECTION 340S.10.A.

TEMPORARY PAVING MATERIAL MUST BE COMPACTED WITH A SMOOTH DRUM VIBRATORY ROLLER.

THE FINISHED SURFACE SHALL BE MAINTAINED DUST FREE AND PROVIDE A SMOOTH AND SAFE RIDING SURFACE FOR ALL VEHICLES ALONG THE ROUTE INCLUDING, BUT NOT LIMITED TO SMALL CARS, MOTORCYCLES, MOPEDS AND BICYCLES. THE TEMPORARY SURFACE SHALL BE MAINTAINED BY THE CONTRACTOR THE ENTIRE TIME THE TEMPORARY SURFACE IS IN PLACE. DAILY MAINTENANCE SHALL BE PERFORMED BASED ON FIELD CONDITIONS AND AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE. UNTIL THE FINAL PAVEMENT SURFACE IS PLACED.

THE TEMPORARY PAVEMENT SURFACE SHALL HAVE A MAXIMUM ALLOWABLE DEVIATION OF 1/4" ABOVE OR BELOW THE EXISTING PAVEMENT SURFACE DIRECTLY ADJACENT TO THE PATCH.

ANY PORTIONS OF THE TEMPORARY PAVEMENT SURFACE THAT HAVE SETTLED, BECOME DAMAGED, OR DETERIORATED MUST BE REPAIRED BY REMOVING THE EXISTING TEMPORARY SURFACE MATERIAL TO A MINIMUM DEPTH OF 2" BELOW THE SURFACE ELEVATION PRIOR TO REPLACING AND RECOMPACTING NEW COLD MIX HOT MIX IN THE EXCAVATION AREA.

IF IT IS DETERMINED DURING CORRECTIVE ACTION THAT SOFT, SATURATED AND/OR UNSTABLE SUBSURFACE SOILS ARE CONTRIBUTING TO THE FAILURE OF THE TEMPORARY PAVEMENT SECTION, THE UNSUITABLE MATERIALS MUST BE REMOVED AND REPLACED WITH BACKFILL SOILS FREE OF ORGANICS, STONES OR ROCKS OVER 8 INCHES, AND HAVING A PLASTICITY INDEX OF 20 OR LESS, AND SHALL HAVE A MC WITHIN 2% OF OPTIMUM, PRIOR TO REPLACING THE TEMPORARY PAVEMENT SURFACE. CLASS "J" PC CONCRETE (ITEM 403S) OR CONTROLLED LOW STRENGTH MATERIAL (CLS/M) MAY BE SUBSTITUTED IN THESE REPAIRS FOR THE FLEXIBLE BASE AND COMPACTED BACKFILL. PC CONCRETE GREATER THAN A 2 SACK MIX WILL NOT BE ALLOWED.

ALL EXISTING ROADWAY STRIPING AND PAVEMENT MARKINGS REMOVED OR DAMAGED BY THE CONTRACTOR'S WORK SHALL BE RESTORED PRIOR TO OPENING THE STREET TO TRAFFIC.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		TEMPORARY TRENCH REPAIR- ASPHALT SURFACE	
RECORD COPY SIGNED BY BILL GARDNER	12/09/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 1100S-4 2 OF 2

LEAF LANE CENTERLINE

25'

15'

2" HMA/AC TYPE D PAVEMENT

LEAF LANE

SCRIBE DRIVE CENTERLINE

30'

22'

15'

VARIES

2" HMA/AC TYPE D PAVEMENT

REPAVING LIMITS SHALL BE CENTERED ON PIPE CENTERLINE

SCRIBE DRIVE

ADELPHI LANE CENTERLINE

90'

30'

12.5'

12.5'

2" HMA/AC TYPE D PAVEMENT

ADELPHI LANE

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		TEMPORARY TRENCH REPAIR- ASPHALT SURFACE	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 824-2 2 OF 3

REVISION DESCRIPTION	DATE	BY	NO.
ADDENDA #1-REVISE HMA/AC TYPE	4/28/16		1

STATE OF TEXAS
THOMAS M. OWENS
84764
LICENSED PROFESSIONAL ENGINEER
28 APR 2016

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HIGHWAY, CITYVIEW II, SUITE 100, AUSTIN, TEXAS 78746

CITY OF AUSTIN
WATERS PARK RELIEF MAIN

REPAVING AND REPAIR DETAILS

K FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
(FIRM # 6535)

CITY OF AUSTIN
FOUNDED 1859

CITY OF AUSTIN

PERMIT #

SCALE

DATE 4/28/2016

SHEET NUMBER 46 OF 82