							Bio	ds Opened: 1/1	5/2020 at 2:00 pm							
	BID TABULATION	Excel Tre	enching	S.J. Louis Construction of Texas, Ltd.			Spiess Cons	truction Co., Inc.	D Guerra Co	nstruction, LLC	Thalle Construc	ction Co., Inc.	Oscar Renda Contracting Inc.			
	Addenda Acknowledged (Y/N)			Y			Y			Y		Y	Y			Y
	Bid Bond (Y/N)			$Y^1$			Y			Y		Y	Y			Y
	Proposal and Bid Schedule (Y/N)			Y		Y			Y			Y				Y
	Chapter 151 Tax Code Compliance (Y/N)  Nonresident Bidders Compliance (Y/N)  Conflict of Interest Questionnaire (Y/N)			$Y^2$	Y Y				Y		Y <sup>3</sup> Y		Y <sup>2</sup> Y		Y	
				Y					Y						Y	
				Y	Y			Y		Y	Y			Y		
	Non-Collusion Certificate (Y/N)			Y			Y			Y		Y	Y			Y
	Section 00400 - Trenchless Construction Experience and Qualific	cations (Y/N)		Y		Y			Y		Y	Y		1	Y	
Base Bio	Items:															
Bid Iter	n Description	Quantity	Unit	Unit Price	Total Amount	Unit Price		Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
	GENERAL PROJECT ITEMS:															
1	Mobilization for Bid No. 1 Items (maximum 5% of total Bid)	1	LS	\$ 166,000.00	\$ 166,000.00	\$ 460,000.00	\$	460,000.00	\$ 580,000.00	\$ 580,000	.00 \$ 650,000.00	\$ 650,000.00	\$ 860,000.00	\$ 860,000.00	\$ 800,000.00	\$ 800,000.00
	INTERCEPTOR ITEMS:															
2	Furnish and Install 8" Stubout SDR 26 (ASTM D3034) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	107	LF	\$ 116.00	\$ 12,412.00	\$ 30.00	\$	3,210.00	\$ 375.00	\$ 40,125	.00 \$ 171.30	\$ 18,329.10	\$ 260.00	\$ 27,820.00	\$ 50.00	\$ 5,350.00
3	Furnish and Install 10" Stubout SDR 26 (ASTM D3034) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft.,															
4	Complete in Place:  Furnish and Install 12" Stubout SDR 26 (ASTM D3034) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water	40	LF	\$ 182.00	\$ 7,280.00	\$ 41.00		1,640.00	\$ 330.00	\$ 13,200	.00 \$ 176.03	\$ 7,041.20	\$ 270.00	\$ 10,800.00	\$ 60.00	\$ 2,400.00
	control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 15" Stubout SDR 26 (ASTM D3034) PVC Pipe and	20	LF	\$ 201.00	\$ 4,020.00	\$ 51.00	\$	1,020.00	\$ 650.00	\$ 13,000	.00 \$ 180.75	\$ 3,615.00	\$ 310.00	\$ 6,200.00	\$ 70.00	\$ 1,400.00
5	Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	60	LF	\$ 352.00	\$ 21,120.00	\$ 69.00	\$	4,140.00	\$ 435.00	\$ 26,100	.00 \$ 191.25	\$ 11,475.00	\$ 280.00	\$ 16,800.00	\$ 80.00	\$ 4,800.00
6	Furnish and Install 18" Stubout SN 72, (ASTM D3262) FRP Pipe and Watertight FRP Cap per Detail 1, Drawing 04C-03; bedding per Specification 02515; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	40	LF	\$ 165.00	\$ 6,600,00	\$ 120.00	s	4.800.00	\$ 410,00	\$ 16.400	.00 \$ 225.25	\$ 9,010.00	\$ 320,00	\$ 12.800.00	\$ 150.00	\$ 6,000,00
7	Furnish and Install 24" Stubout SN 72, (ASTM D3262) FRP Pipe and Watertight FRP Cap per Detail 1, Drawing 04C-03; bedding per Specification 02515; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	20	LF	\$ 159.00	\$ 3,180,00	\$ 154.00		3,080.00	\$ 730.00	\$ 14,600		\$ 4.881.00		\$ 7,300.00		\$ 3,500,00
8	Furnish and Install 18" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	27	LF	\$ 142.00	\$ 3,834.00			2,943.00			.00 \$ 225.25	\$ 4,681.00		\$ 7,300.00		\$ 3,300.00
9	Furnish and Install 24" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:															
10	Furnish and Install 30" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft.,	25	LF	\$ 168.00	\$ 4,200.00			3,200.00	\$ 600.00	\$ 15,000		\$ 6,101.25		\$ 15,375.00		\$ 4,375.00
11	Complete in Place:  Furnish and Install 30" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft.,	901	LF	\$ 162.00	\$ 145,962.00			329,225.40	\$ 233.00	\$ 209,933		\$ 294,627.00		\$ 310,845.00		\$ 360,400.00
12	Complete in Place:  Furnish and Install 33" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft.,	5,003	LF LF	\$ 182.00	\$ 130,494.00			261,991.80 1.873,123.20	\$ 283.00 \$ 284.00	\$ 202,911		\$ 234,459.00		\$ 204,345.00		\$ 322,650.00
13	Complete in Place: Furnish and Install 36" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	2,967	LF	\$ 217.00	\$ 9/3,385.00	\$ 374.40	\$	1,149,415.80	\$ 284.00	\$ 1,420,832		\$ 1,971,182.00		\$ 1,826,093.00	\$ 500.00	\$ 2,501,500.00



T.B.P.E. Firm No. F-13162, 05/07/2013

Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
14	Furnish and Install 42" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	513	LF	\$ 250.00	\$ 128,250,00	\$ 409.90	\$ 210,278,70	\$ 397.00	\$ 203,661.00	0 \$ 361.00	\$ 185,193,00	\$ 350.00	\$ 179,550,00	\$ 660,00	\$ 338,580.00
15	Furnish and Install 42" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 25-35 ft.,														
16	Complete in Place:  Furnish and Install 42" SN 72, (ASTM D3262) FRP Pipe with bedding per Specification 02515, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water	1,173	LF	\$ 319.00	\$ 374,187.00	\$ 409.90	\$ 480,812.70	\$ 573.00	\$ 672,129.00	\$ 361.00	\$ 423,453.00	\$ 675.00	\$ 791,775.00	\$ 700.00	\$ 821,100.00
17	control/dewatering, tracer tape, and appurtenances, Depth 35-45 ft., Complete in Place:  Furnish and Install 42-inch steel casing pipe (1/2" wall thickness) by bore	2,207	LF	\$ 740.00	\$ 1,633,180.00	\$ 409.90	\$ 904,649.30	\$ 717.00	\$ 1,582,419.00	\$ 361.00	\$ 796,727.00	\$ 880.00	\$ 1,942,160.00	\$ 850.00	\$ 1,875,950.00
	and jack, not including 30" carrier pipe, including groundwater and surface water control/dewatering, access pits and appurtenances, Complete in Place:	369	LF	\$ 1,250.00	\$ 461,250.00	\$ 993.00	\$ 366,417.00	\$ 1,400.00	\$ 516,600.00	) \$ 1,195.00	\$ 440,955.00	\$ 1,150.00	\$ 424,350.00	\$ 750.00	\$ 276,750.00
18	Furnish and Install Standard City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 4' Riser and Bolted Cover, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and appurtenances for Depth 20-25 ft., Complete in Place:	1	EA	\$ 30.800.00	\$ 30.800.00	\$ 30,675.00	\$ 30.675.00	\$ 36,000,00	\$ 36,000.00	32,900.00	\$ 32.900.00	\$ 45,000.00	\$ 45,000,00	\$ 10,000,00	\$ 10,000,00
19	Furnish and Install Standard City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 4' Riser and Bolted Cover, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and	-												, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
20	appurtenances for Depth 30-35 ft., Complete in Place:  Furnish and Install Extra Depth on City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 4' Riser including groundwater and surface water control/dewatering, Complete in Place:	3	EA	\$ 32,300.00	\$ 96,900.00	\$ 30,675.00	\$ 92,025.00	\$ 39,000.00	\$ 117,000.00		\$ 106,200.00	\$ 50,000.00	\$ 150,000.00	\$ 12,000.00	\$ 36,000.00
21	Furnish and Install City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 6' Riser, 3' x 3' Watertight Hatch, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and appurtenances	28	VF	\$ 261.00	\$ 7,308.00		\$ 4,620.00	\$ 340.00	\$ 9,520.00		\$ 21,000.00		\$ 28,000.00	\$ 500.00	\$ 14,000.00
22	for Depth 10-15 ft., Complete in Place: Furnish and Install City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 6' Riser, 3' x 3' Watertight Hatch, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and appurtenances	1	EA		\$ 31,300.00		\$ 34,490.00		\$ 30,000.00		\$ 28,750.00		\$ 36,000.00	\$ 15,000.00	\$ 15,000.00
23	for Depth 15-20 ft., Complete in Place:  Furnish and Install City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 6' Riser, 3' x 3' Watertight Hatch, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and appurtenances	10	EA	\$ 38,500.00	\$ 385,000.00	\$ 34,490.00	\$ 344,900.00	\$ 36,000.00	\$ 360,000.00		\$ 286,000.00	\$ 24,000.00	\$ 240,000.00	\$ 18,000.00	\$ 180,000.00
24	for Depth 20-25 ft., Complete in Place:  Furnish and Install City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 6' Riser, 3' x 3' Watertight Hatch, centered on 10' x 10' concrete slab. Slope fill to natural ground at 3:1 including dewatering and appurtenances	11	EA	\$ 42,700.00	\$ 469,700.00	\$ 34,490.00	\$ 379,390.00	\$ 39,000.00	\$ 429,000.00	39,600.00	\$ 435,600.00	\$ 45,000.00	\$ 495,000.00	\$ 20,000.00	\$ 220,000.00
25	for Depth 30-35 ft., Complete in Place:  Furnish and Install Extra Depth on City of Pflugerville 6' Diameter Sanitary Sewer Manhole with 6' Riser including groundwater and surface water	5	EA	\$ 42,500.00	\$ 212,500.00	\$ 34,490.00	\$ 172,450.00	\$ 45,000.00	\$ 225,000.00	, , , , , , , , , , , , , , , , , , , ,	\$ 210,500.00		\$ 250,000.00	\$ 22,000.00	\$ 110,000.00
26	control/dewatering, Complete in Place: Furnish and Install City of Pflugerville Standard Manhole Drop Connection (8" to 12" diameters) from 2.5-11 ft drop, Complete in Place:	12	VF EA	\$ 641.00	\$ 7,692.00 \$ 13,600.00	\$ 350.00	\$ 4,200.00 \$ 3,200.00	\$ 500.00 \$ 13.000.00	\$ 6,000.00	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$ 15,660.00 \$ 25,600.00	\$ 1,500.00 \$ 3,700.00	\$ 18,000.00 \$ 14,800.00	\$ 500.00 \$ 1.000.00	\$ 6,000.00 \$ 4,000.00
27	Furnish and Install City of Pflugerville Standard Manhole Drop Connection (33" diameter) approximate 5 ft drop, Complete in Place:	1	EA	\$ 22,200.00	\$ 22,200.00	\$ 11,000.00	\$ 11,000.00		\$ 22,000.00	, , , , , , , , , , , , , , , , , , , ,	\$ 21,200.00		\$ 7,500.00	\$ 5,000.00	\$ 5,000.00
28	Furnish and Install 8" SDR 26 (ASTM D3034) PVC Pipe cleanout riser, per Detail 1, Drawing 04C-03 with standard bedding and backfill, and appurtenances, Complete in Place:	283	VF	\$ 51.00	\$ 14,433.00	\$ 80.10	\$ 22,668.30	\$ 15.00	\$ 4,245.00	) \$ 198.00	\$ 56,034.00	\$ 150.00	\$ 42,450.00	\$ 20.00	\$ 5,660.00
29	Furnish and Install 8" SDR 26 (ASTM D3034) threaded PVC Clean Out in concrete pad on sanitary sewer pipe stubout per Detail 1, Drawing 04C-03, Complete in Place:	15	EA	\$ 4,000.00	\$ 60,000.00	\$ 1,150.00	\$ 17,250.00	\$ 1,500.00	\$ 22,500.00	\$ 902.00	\$ 13,530.00	\$ 1,000.00	\$ 15,000.00	\$ 1,000.00	\$ 15,000.00
30	Furnish and Install Manhole Vent with Check Valve per Detail 3, Drawing 04C-05, Complete in Place:	13	EA	\$ 3,000.00	\$ 39,000.00	\$ 2,500.00	\$ 32,500.00	\$ 3,000.00	\$ 39,000.00		\$ 83,850.00	\$ 4,700.00	\$ 61,100.00	\$ 2,500.00	\$ 32,500.00
31	Furnish and Install concrete trench cap, Complete in Place:  Furnish and Install one set of four (4) bollards per Detail 1, Drawing 04C-	220	LF Per set of 4	\$ 30.00	\$ 6,600.00	\$ 265.00	\$ 58,300.00	\$ 500.00	\$ 110,000.00	,	\$ 45,100.00	\$ 150.00	\$ 33,000.00	\$ 100.00	\$ 22,000.00
	08 in concrete pad where indicated on the plans, Complete in Place: TUNNELING ITEMS:	6	bollards	\$ 2,400.00	\$ 14,400.00	\$ 2,500.00	\$ 15,000.00	\$ 4,000.00	\$ 24,000.00	\$ 2,500.00	\$ 15,000.00	\$ 4,200.00	\$ 25,200.00	\$ 100.00	\$ 600.00
33	Furnish and Install 42" Jacking Pipe (SN 508) (ASTM D3262) FRP Pipe for use with one-pass tunneling method; or 42" SN 72 (ASTM D3262) FRP Pipe and initial support/casing pipe for use with two-pass tunneling method via tunneling including but not limited to: sealed plans for tunneling design by a Professional Engineer, annulus grouting, slurry disposal, labor, material, equipment, and appurtenances at a depth of 45-70 ft, Complete in Place:	1,865	LF	\$ 1,250.00	\$ 2,331,250.00	\$ 1,519.00	\$ 2,832,935.00	\$ 1,850.00	\$ 3,450,250.00	) \$ 1,935.00	\$ 3,608,775.00	\$ 2,100.00	\$ 3,916,500.00	\$ 4,000.00	\$ 7,460,000.00
34	Furnish and Install 8' Diameter Cast in Place or Precast Sanitary Sewer Manhole inside Temporary Tunnel Shaft with 2'-0" thick 10' x 10' Top Slab at a depth of 0 - 63.5 ft, Complete in Place:	3	EA	\$ 218,000.00	\$ 654,000.00	\$ 80,610.00	\$ 241,830.00	\$ 90,000.00	\$ 270,000.00	118,500.00	\$ 355,500.00	\$ 175,000.00	\$ 525,000.00	\$ 50,000.00	\$ 150,000.00



Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
35	Furnish and Install Extra Depth on 8' Diameter Cast in Place or Precast														
	Sanitary Sewer Manhole inside Temporary Tunnel Shaft at a depth of 63.5 - 70 ft inclusive of adjustments associated with adjacent development														
	project's finished grade elevations; Complete in Place:	11.4	VF	\$ 4,100.00	\$ 46,740.00	\$ 2,880.00	\$ 32,832.00	\$ 3,200.00	\$ 36,480.00	\$ 6,730.00	\$ 76,722.00	\$ 2,500.00	\$ 28,500.00	\$ 2,000.00	\$ 22,800.00
36	WWMH "A-10A" Temporary Tunnel Shaft (approximately 30 ft diameter) Installation, Maintenance during construction, and Backfilling including but														
	not limited to: sealed plans for shaft design by a Professional Engineer,														ļ .
	Primary Ground Support, incidental work not covered by other bid items,					İ									
	ground and surface water control/dewatering, surface restoration, appurtenances, Labor, Materials, and Equipment for depth of 63.5 ft,								į						<u> </u>
	Complete in Place:	1	LS	\$ 288,000.00	\$ 288,000.00	\$ 475,200.00	\$ 475,200.00	\$ 600,000.00	\$ 600,000.00	\$ 632,500.00	\$ 632,500.00	\$ 835,000.00	\$ 835,000.00	\$ 100,000.00	\$ 100,000.00
37	WWMH "A-10B" Temporary Tunnel Shaft (approximately 30 ft diameter)														
	Installation, Maintenance during construction, and Backfilling including but not limited to: sealed plans for shaft design by a Professional Engineer,					į	j J		j J				İ		į Į
	Primary Ground Support, incidental work not covered by other bid items,						1		}						
	ground and surface water control/dewatering, surface restoration, appurtenances, Labor, Materials, and Equipment for depth of 69.5 ft,						İ		ļ						<b> </b>
	Complete in Place:	1	LS	\$ 288,000.00	\$ 288,000.00	\$ 498,200.00	\$ 498,200.00	\$ 600,000.00	\$ 600,000.00	\$ 632,500.00	\$ 632,500.00	\$ 850,000.00	\$ 850,000.00	\$ 20,000.00	\$ 20,000.00
38	WWMH "A-10C" Temporary Tunnel Shaft (approximately 30 ft diameter)									, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,				
	Installation, Maintenance during construction, and Backfilling including but not limited to: sealed plans for shaft design by a Professional Engineer,						<u> </u>								
	Primary Ground Support, incidental work not covered by other bid items,											İ			
	ground and surface water control/dewatering, surface restoration,														
	appurtenances, Labor, Materials, and Equipment for depth of 68.8 ft, Complete in Place:	1	LS	\$ 288,000,00	\$ 288,000,00	\$ 498,200.00	\$ 498,200.00	\$ 600,000.00	\$ 600,000.00	\$ 632,500,00	\$ 632,500,00	\$ 875,000.00	\$ 875,000.00	\$ 20.000.00	\$ 20,000.00
39	Treatment and discharge of Construction Water associated with Tunneling	-	2.5	Ψ 200,000.00	200,000.00	170,200.00	Ψ 1,50,200.00	Φ σσο,σσσισσ	ψ σσσ,σσσισσ	Ψ 032,500.00	032,500.00	075,000.00	072,000.00	Ψ 20,000.00	20,000.00
10	from Temporary Shafts, Complete in Place:	3	EA	\$ 30,500.00	\$ 91,500.00	\$ 8,500.00	\$ 25,500.00	\$ 5,000.00	\$ 15,000.00	\$ 25,000.00	\$ 75,000.00	\$ 2,000.00	\$ 6,000.00	\$ 5,000.00	\$ 15,000.00
40	Furnish, Install, Maintain, and Submit Reports to City for Geotechnical Monitoring System per Specification 02970 and Keynote 18 on Drawing														<u> </u>
	02C-08 including all Labor, Materials, and Equipment, Complete in Place:	1	LS	\$ 83,000.00	\$ 83,000,00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00
41	Furnish and Install Standard City of Pflugerville Fire Hydrant, including 6"							, ,,,,,,,,,,							
	Gate Valve with Box, 6" Lead, Thrust Blocking, tapping sleeve and saddle, and associated appurtenances, Complete in Place:														
	PFLUGERVILLE PARKWAY LIFT STATION ITEMS:	1	EA	\$ 35,600.00	\$ 35,600.00	\$ 14,500.00	\$ 14,500.00	\$ 14,000.00	\$ 14,000.00	\$ 28,500.00	\$ 28,500.00	\$ 26,000.00	\$ 26,000.00	\$ 15,000.00	\$ 15,000.00
	Salvage, Remove, and Convey to City Exist Pumps with floats,														
	instrumentation, electrical cabinets/control panels including associated										<u> </u>				
	Labor, Materials, and Equipment per Series 100 Drawings, Complete in Place:	1	LS	\$ 30,000.00	\$ 30,000,00	\$ 11,000.00	\$ 11,000.00	\$ 26,000.00	\$ 26,000.00	\$ 45,500.00	\$ 45,500,00	\$ 6,000.00	\$ 6.000.00	\$ 10.000.00	\$ 10,000.00
43	Demolish Exist Lift Station and appurtenances per Series 100 Drawings		Lo	Ψ 30,000.00	φ 50,000.00	11,000.00	Ψ 11,000.00	Σ0,000.00	ψ 20,000.00	Ψ 45,500.00	Ψ 43,300.00	0,000.00	0,000.00	Ψ 10,000.00	10,000.00
	including adjustments to exist manholes, installing flowable fill in abandoned pipes, and site restoration, Complete in Place:	,	T. C.	¢ 146,000,00	f 146,000,00	¢ 54.500.00	54.500.00	£ 21,000,00	\$ 21,000,00	¢ 60,000,00	e co.000.00	£ 100,000,00	¢ 100,000,00	¢ 25,000,00	\$ 25,000,00
	GENERAL ITEMS:	1	LS	\$ 146,000.00	\$ 146,000.00	\$ 54,500.00	\$ 54,500.00	\$ 31,000.00	\$ 31,000.00	\$ 60,000.00	\$ 60,000.00	\$ 180,000.00	\$ 180,000.00	\$ 25,000.00	\$ 25,000.00
44	Clearing and Grubbing within Temporary and Permanent Construction						<u>.                                    </u>		İ						
	Easements; and Construction Laydown Areas including burning of newly cleared and grubbed material; burning existing brush piles identified on the						ļ								ļ .
	plans for removal; and demolion of trees identified on the plans, Complete														
	in Place:	30.5	AC	\$ 3,300.00	\$ 100,650.00	\$ 3,000.00	\$ 91,500.00	\$ 2,500.00	\$ 76,250.00	\$ 3,000.00	\$ 91,500.00	\$ 4,500.00	\$ 137,250.00	\$ 2,500.00	\$ 76,250.00
45	Pollution Prevention Implementation including Storm Water Pollution Prevention Plan, Maintenance, Permitting, Inspections, and Reporting for all						ļ								ļ .
	Pollution Prevention Measures as shown on the plans, Complete in Place:	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 17,000.00	\$ 17,000.00	\$ 10,000.00	\$ 10,000.00	\$ 40,000.00	\$ 40,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00
46	Furnish, Install, Maintain and Remove Concrete Washout, Complete in	2		4 1 200 00	<b>2</b> 400 00		1 000 00	1 000 00	2,000,00	4 1 000 00	2 000 00	1 500 00		A 2500.00	5,000,00
47	Place: Furnish, Install, Maintain and Remove stabilized construction access as	2	EA	\$ 1,200.00	\$ 2,400.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,600.00	\$ 3,200.00	\$ 2,500.00	\$ 5,000.00
	shown on plans, Complete in Place:	4	EA	\$ 3,000.00	\$ 12,000.00	\$ 1,750.00	\$ 7,000.00	\$ 2,000.00	\$ 8,000.00	\$ 3,000.00	\$ 12,000.00	\$ 1,700.00	\$ 6,800.00	\$ 2,500.00	\$ 10,000.00
	Furnish, Install, Maintain, and Remove/Dispose of 20 ft wide by 6" Thick Crushed Stone Temporary Access Road as needed to facilitate construction								İ						<b> </b>
	and as shown on plans including all Labor, Materials, and Equipment.								ļ						
	Contractor shall obtain written approval from Engineer prior to installing														
49	road or portions of road, Complete in Place: Furnish, Install, Maintain, and Remove/Dispose of 20 ft wide vehicle	17,255	LF	\$ 18.30	\$ 315,766.50	\$ 1.00	\$ 17,255.00	\$ 20.00	\$ 345,100.00	\$ 17.30	\$ 298,511.50	\$ 20.00	\$ 345,100.00	\$ 15.00	\$ 258,825.00
49	crossing of creek or ditch with appurtenances, Complete in Place:	8	EA	\$ 15,800.00	\$ 126,400.00	\$ 55,000.00	\$ 440,000.00	\$ 13,000.00	\$ 104,000.00	\$ 3,000.00	\$ 24,000.00	\$ 23,000.00	\$ 184,000.00	\$ 4,000.00	\$ 32,000.00
50	Furnish, Install, Maintain and Remove Filter Fabric Fence with or without J-							,							
£1	Hooks per Plans and Specifications, Complete in Place:	24,950	LF	\$ 1.80	\$ 44,910.00	\$ 3.00	\$ 74,850.00	\$ 3.00	\$ 74,850.00	\$ 2.00	\$ 49,900.00	\$ 1.50	\$ 37,425.00	\$ 2.00	\$ 49,900.00
51	Furnish and Install Curb Inlet Protection per plans and specifications prior to construction beginning, Complete in Place:	2	EA	\$ 300.00	\$ 600.00	\$ 200.00	\$ 400.00	\$ 200.00	\$ 400.00	\$ 250.00	\$ 500.00	\$ 100.00	\$ 200.00	\$ 500.00	\$ 1,000.00
52	Furnish, Install, Maintain and Remove Rock Berms per Plans and														
53	Specifications, Complete in Place: Furnish, Install, Maintain, and Remove Chain link Fence Tree Protection,	520	LF	\$ 30.00	\$ 15,600.00	\$ 32.00	\$ 16,640.00	\$ 20.00	\$ 10,400.00	\$ 25.00	\$ 13,000.00	\$ 21.00	\$ 10,920.00	\$ 5.00	\$ 2,600.00
33	Complete in Place:	2,474	LF	\$ 3.66	\$ 9,054.84	\$ 3.00	\$ 7,422.00	\$ 4.00	\$ 9,896.00	\$ 5.00	\$ 12,370.00	\$ 3.00	\$ 7,422.00	\$ 5.00	\$ 12,370.00
54	Furnish, Install, Maintain, and Remove Wood Slats Fence Tree Protection,	ĺ													
	Complete in Place:	47	Per Tree	\$ 61.00	\$ 2,867.00	\$ 150.00	\$ 7,050.00	\$ 200.00	\$ 9,400.00	\$ 200.00	\$ 9,400.00	\$ 110.00	\$ 5,170.00	\$ 5.00	\$ 235.00
55	Furnish and Install Hydromulch seeding per plans and specifications. Basis of area is the permanent easement, 20 ft Temporary Access Road,														
	Construction Laydown Area No. 2, and Temporary Access Road to						ļ		ļ				İ		ļ <b>l</b>
	Laydown Area No. 1 shown on Drawing 00G-12 and 00G-13. Contractor shall restore additional areas disturbed at his cost, Complete in Place:	22.2	AC	\$ 2,900.00	\$ 64,380.00	\$ 2,200.00	\$ 48,840.00	\$ 1,500.00	\$ 33,300.00	\$ 1,300.00	\$ 28,860.00	\$ 1,400.00	\$ 31,080.00	\$ 1,500.00	\$ 33,300.00
L	snan restore auditional areas disturbed at his cost, Complete in Place:	22.2	AC	φ 2,900.00	э 04,380.00	φ 2,200.00	φ 48,840.00	φ 1,300.00	j φ 33,300.00	φ 1,500.00	φ 28,860.00	φ 1,400.00	φ 31,080.00	φ 1,500.00	a 33,300.00

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Bid Item	Description	Ouantity	Unit	Unit Price	Total Amount	Unit Price	Total	Amount	Unit Price	т	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
56	Furnish Equipment, Labor, and Materials for watering of hydromulch	Quantity	Cint	Chit Frice	Total Allount	Cint i rice	Total	Amount	Chit Frice	-	otal Allount	Cilitatice	Total Allount	Cint Frice	Total Alliount	Cilit Frice	Total Allount
	seeding until revegetation is established. Water Provided by City at no cost								İ								
	to Contractor, Complete in Place:	22.2	AC	\$ 1,200.00	\$ 26,640.00	\$ 1,000.00	\$	22,200.00	\$ 1,000.00	\$	22,200.00	\$ 600.00	\$ 13,320.00	\$ 3,000.00	\$ 66,600.00	\$ 500.00	\$ 11,100.00
57	Furnish and Install Excelsior Blanket per plans at creek and ditch crossing restorations, Complete in Place:	4.800	SY	\$ 0.60	\$ 2,880.00	\$ 3.00	9	14,400.00	\$ 2.00	\$	9,600.00	\$ 2.00	\$ 9,600.00	\$ 2.00	\$ 9,600,00	\$ 5.00	\$ 24.000.00
58	Off-site Disposal of all spoil materials generated by the project associated	1,000	51	ψ 0.00	<b>\$</b> 2,000.00	Ç 3.00	Ť	11,100.00	2.00	Ψ	>,000.00	Ψ 2.00	\$ 7,000.00	2.00	y ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ψ 2.00	21,000.00
	with the installation of the interceptor manholes, interceptor pipe with				į		į į		İ	İ							
	embedment envelope per the plan details, and appurtenances including Tunneling and Shaft installation, Complete in Place:	15,210	CY	\$ 7.16	\$ 108,903.60	\$ 11.70	s	177,957.00	\$ 10.00	\$	152,100.00	\$ 30.00	\$ 456,300.00	\$ 13.00	\$ 197,730.00	\$ 5.00	\$ 76,050.00
59	Furnish and Install Trench Safety System Plan and System for sewer line	13,210	CI	J 7.10	\$ 108,303.00	\$ 11.70	3	177,937.00	3 10.00	φ	132,100.00	\$ 30.00	\$ 430,300.00	\$ 13.00	\$ 197,730.00	3 3.00	\$ 70,030.00
	construction, Complete in Place:	13,584	LF	\$ 18.80	\$ 255,379.20	\$ 0.01	\$	135.84	\$ 5.00	\$	67,920.00	\$ 20.00	\$ 271,680.00	\$ 1.00	\$ 13,584.00	\$ 2.00	\$ 27,168.00
60	Remove and Replace 3-stranded Barbwire Fence where shown on plans,																
61	Complete in Place: Furnish, Install, Maintain and Remove 4'H Orange Safety Fencing per plans;	2,538	LF	\$ 8.50	\$ 21,573.00	\$ 15.00	\$	38,070.00	\$ 5.00	\$	12,690.00	\$ 10.00	\$ 25,380.00	\$ 10.00	\$ 25,380.00	\$ 10.00	\$ 25,380.00
01	Complete in Place:	250	LF	\$ 3.00	\$ 750.00	\$ 5.00	s	1.250.00	\$ 2.00	\$	500.00	\$ 5.00	\$ 1.250.00	\$ 3.00	\$ 750.00	\$ 5.00	\$ 1,250,00
62	Furnish, Install, Salvage, and Reinstall Temporary 4'H Orange Safety						ļ ļ										
	Fencing along interceptor route's open excavations/trenches and which are	400						• • • • • • • • • • • • • • • • • • • •			4 400 00						4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
63	areas occupied by cattle per Note 27, Drawing 00G-04, Complete in Place:  Furnish project photographs and video as specified in Section 01060,	400	LF	\$ 3.00	\$ 1,200.00	\$ 5.00	\$	2,000.00	\$ 4.00	\$	1,600.00	\$ 5.00	\$ 2,000.00	\$ 3.00	\$ 1,200.00	\$ 10.00	\$ 4,000.00
0.5	Complete in Place:	1	LS	\$ 6,100.00	\$ 6,100.00	\$ 2,500.00	\$	2,500.00	\$ 5,000.00	\$	5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00
64	Furnish and Install Project Sign including all Material and Labor, Complete																
65	in Place: Furnish, Install, and Maintain Traffic Control Plan and Traffic Control	3	EA	\$ 3,000.00	\$ 9,000.00	\$ 1,000.00	\$	3,000.00	\$ 4,000.00	\$	12,000.00	\$ 2,000.00	\$ 6,000.00	\$ 1,500.00	\$ 4,500.00	\$ 1,000.00	\$ 3,000.00
0.5	Devices with signage, safety barriers, appurtenances, in accordance with																
	Texas Manual on Uniform Traffic Control Devices (Latest Edition);																
	Complete in Place:  Furnish, Install, and Maintain Electronic Message boards for work	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$	10,000.00	\$ 50,000.00	\$	50,000.00	\$ 60,000.00	\$ 60,000.00	\$ 6,000.00	\$ 6,000.00	\$ 50,000.00	\$ 50,000.00
66	associated with crossing FM 685 for the duration of construction at this						i i			İ							
	location. Comply with all TXDOT requirements; Complete in Place:	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 10,000.00	\$	10,000.00	\$ 5,000.00	\$	5,000.00	\$ 45,000.00	\$ 45,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00
67	Demolish Exist Cattle Pen per Drawing 02C-04 and Barn per Drawing 02C-		T C	4 10,000,00	A 10,000,00	<b>2.500.00</b>		2 500 00			5 000 00	Φ 05 000 00	05,000,00	25 000 00	d 25,000,00	¢ 5,000,00	5,000,00
	06 and dispose of demolished material offsite. Complete in Place: TOTAL BASE BID (Items 1-67) shall equal Total Base Bid	1	LS	\$ 18,000.00	\$ 18,000.00 \$ 11,598,970.14	\$ 2,500.00	\$ 12	2,500.00 S	\$ 5,000.00	\$ ¢	5,000.00 <b>14.594.695.00</b>	\$ 85,000.00	\$ 85,000.00 \$ 15,132,145.30	\$ 25,000.00	\$ 25,000.00 1 \$ 17,445,586.00	\$ 5,000.00	\$ 5,000.00 \$ 18,355,993.00
-	TOTAL DASE DID (Items 1-07) shan equal Total Dase Did				\$ 11,596,970.14	•	3 12	,990,202.04		1.0	14,394,093.00		3 15,132,145.30		\$ 17,445,580.00		\$ 10,333,993.00
Alternate	Bid Items No. 1:																
Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total	Amount	Unit Price	Т	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
68	Furnish and Install 18" Stubout PS 115 (ASTM 679) PVC Pipe and									1						i	
				•	•										1	i i	† I
	Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-								ļ								
	Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW- 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft.,																
	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	40	LF	\$ 156.00	\$ 6,240.00	\$ 99.00	\$	3,960.00	\$ 410.00	\$	16,400.00	\$ 215.00	\$ 8,600.00	\$ 320.00	\$ 12,800.00	\$ 150.00	\$ 6,000.00
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and	40	LF	\$ 156.00	\$ 6,240.00	\$ 99.00	\$	3,960.00	\$ 410.00	\$	16,400.00	\$ 215.00	\$ 8,600.00	\$ 320.00	\$ 12,800.00	\$ 150.00	\$ 6,000.00
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	40	LF	\$ 156.00	\$ 6,240.00	\$ 99.00	s	3,960.00	\$ 410.00	\$	16,400.00	\$ 215.00	\$ 8,600.00	\$ 320.00	\$ 12,800.00	\$ 150.00	\$ 6,000.00
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft.,	40					\$			\$	,						
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:	40	LF LF	\$ 156.00 \$ 179.00	\$ 6,240.00 \$ 3,580.00	\$ 99.00 \$ 142.00	s	3,960.00 : 2,840.00 :	\$ 410.00 \$ 730.00	\$	16,400.00 14,600.00	\$ 215.00 \$ 260.00	\$ 8,600.00 \$ 5,200.00	\$ 320.00 \$ 410.00	\$ 12,800.00 \$ 8,200.00	\$ 150.00 \$ 175.00	\$ 6,000.00 \$ 3,500.00
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per	40					\$			\$	,						
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water	40					s			s s	,						
69	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft.,	40	LF	\$ 179.00	\$ 3,580.00	\$ 142.00	s	2,840.00	\$ 730.00	\$	14,600.00	\$ 260.00	\$ 5,200.00	\$ 410.00	\$ 8,200.00	\$ 175.00	\$ 3,500.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill; pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	40				\$ 142.00	s		\$ 730.00	\$	,	\$ 260.00		\$ 410.00		\$ 175.00	
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per	40	LF	\$ 179.00	\$ 3,580.00	\$ 142.00	s	2,840.00	\$ 730.00	\$ \$	14,600.00	\$ 260.00	\$ 5,200.00	\$ 410.00	\$ 8,200.00	\$ 175.00	\$ 3,500.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water	40	LF	\$ 179.00	\$ 3,580.00	\$ 142.00	s	2,840.00	\$ 730.00	\$ \$	14,600.00	\$ 260.00	\$ 5,200.00	\$ 410.00	\$ 8,200.00	\$ 175.00	\$ 3,500.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per	40	LF	\$ 179.00	\$ 3,580.00	\$ 142.00 \$ 87.00	s	2,840.00	\$ 730.00	\$ \$ \$	14,600.00	\$ 260.00 \$ 202.00	\$ 5,200.00	\$ 410.00	\$ 8,200.00	\$ 175.00 \$ 150.00	\$ 3,500.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per	20	LF LF	\$ 179.00 \$ 116.00	\$ 3,580.00 \$ 3,132.00	\$ 142.00 \$ 87.00	s	2,840.00 :	\$ 730.00 \$ 390.00	\$ \$ \$	14,600.00	\$ 260.00 \$ 202.00	\$ 5,200.00 \$ 5,454.00	\$ 410.00	\$ 8,200.00 \$ 21,600.00	\$ 175.00 \$ 150.00	\$ 3,500.00 \$ 4,050.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per	20	LF LF	\$ 179.00 \$ 116.00	\$ 3,580.00 \$ 3,132.00	\$ 142.00 \$ 87.00	s	2,840.00 :	\$ 730.00 \$ 390.00	\$ \$ \$	14,600.00	\$ 260.00 \$ 202.00	\$ 5,200.00 \$ 5,454.00	\$ 410.00	\$ 8,200.00 \$ 21,600.00	\$ 175.00 \$ 150.00	\$ 3,500.00 \$ 4,050.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail Q, Drawing 04C-07, groundwater and surface water	20	LF LF	\$ 179.00 \$ 116.00	\$ 3,580.00 \$ 3,132.00	\$ 142.00 \$ 87.00	s	2,840.00 :	\$ 730.00 \$ 390.00	\$ \$ \$	14,600.00	\$ 260.00 \$ 202.00	\$ 5,200.00 \$ 5,454.00	\$ 410.00	\$ 8,200.00 \$ 21,600.00	\$ 175.00 \$ 150.00	\$ 3,500.00 \$ 4,050.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20	LF LF	\$ 179.00 \$ 116.00	\$ 3,580.00 \$ 3,132.00	\$ 142.00 \$ 87.00	s s	2,840.00 :	\$ 730.00 \$ 390.00	\$ \$ \$	14,600.00	\$ 260.00 \$ 202.00 \$ 222.00	\$ 5,200.00 \$ 5,454.00	\$ 410.00	\$ 8,200.00 \$ 21,600.00	\$ 175.00 \$ 150.00	\$ 3,500.00 \$ 4,050.00
70	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20 27 25	LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00	s s	2,840.00 s 2,349.00 s 2,650.00 s	\$ 730.00 \$ 390.00 \$ 600.00	\$ \$ \$	14,600.00 10,530.00 15,000.00	\$ 260.00 \$ 202.00 \$ 222.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00	\$ 410.00 \$ 800.00 \$ 605.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00
70 71 72	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances. Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 3, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20 27 25	LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00	s s	2,840.00 s 2,349.00 s 2,650.00 s	\$ 730.00 \$ 390.00 \$ 600.00	\$ \$ \$	14,600.00 10,530.00 15,000.00	\$ 260.00 \$ 202.00 \$ 222.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00	\$ 410.00 \$ 800.00 \$ 605.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00
70 71 72	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20 27 25 901	LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00	\$ 260.00 \$ 202.00 \$ 222.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 335.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20 27 25	LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 s 2,349.00 s 2,650.00 s	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$	14,600.00 10,530.00 15,000.00	\$ 260.00 \$ 202.00 \$ 222.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 335.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00
70 71 72	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP	20 27 25 901	LF LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00	\$ 260.00 \$ 202.00 \$ 222.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 335.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:	20 27 25 901	LF LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00	\$ 260.00 \$ 202.00 \$ 222.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 335.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 3, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP pipe in the Base Bid Items with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 1, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	20 27 25 901	LF  LF  LF	\$ 179.00 \$ 116.00 \$ 142.00 \$ 159.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00 \$ 143,259.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 : 318,413.40 : 253,387.80 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00 202,911.00	\$ 260.00 \$ 202.00 \$ 320.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 275.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00 \$ 197,175.00	\$ 175.00 \$ 150.00 \$ 175.00 \$ 400.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73 74	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 36" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP pipe in the Base Bid Items with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	20 27 25 901	LF LF LF	\$ 179.00 \$ 116.00 \$ 142.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00	\$ 260.00 \$ 202.00 \$ 320.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 335.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00	\$ 175.00 \$ 150.00 \$ 175.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW-16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 3, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP pipe in the Base Bid Items with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 1, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	20 27 25 901	LF  LF  LF	\$ 179.00 \$ 116.00 \$ 142.00 \$ 159.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00 \$ 143,259.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 : 318,413.40 : 253,387.80 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00 202,911.00	\$ 260.00 \$ 202.00 \$ 320.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 275.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00 \$ 197,175.00	\$ 175.00 \$ 150.00 \$ 175.00 \$ 400.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73 74	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 36" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP pipe in the Base Bid Items with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 36" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench	20 27 25 901	LF  LF  LF	\$ 179.00 \$ 116.00 \$ 142.00 \$ 159.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00 \$ 143,259.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s	2,840.00 : 2,349.00 : 2,650.00 : 318,413.40 : 253,387.80 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00	\$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00 202,911.00	\$ 260.00 \$ 202.00 \$ 320.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 410.00 \$ 800.00 \$ 605.00 \$ 275.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00 \$ 197,175.00	\$ 175.00 \$ 150.00 \$ 175.00 \$ 400.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00
70 71 72 73 74	16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 24" Stubout PS 115 (ASTM 679) PVC Pipe and Watertight PVC Cap per Detail 1, Drawing 04C-03; bedding per Detail WW 16; backfill with select common fill; groundwater and surface water control/dewatering; tracer tape; and appurtenances; Depth 15-25 ft., Complete in Place:  Furnish and Install 18" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 24" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 0-15 ft., Complete in Place:  Furnish and Install 30" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 36" PS 115 (ASTM 679) PVC Pipe in lieu of 33" FRP pipe in the Base Bid Items with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:  Furnish and Install 36" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench	20 27 25 901	LF  LF  LF	\$ 179.00 \$ 116.00 \$ 142.00 \$ 159.00	\$ 3,580.00 \$ 3,132.00 \$ 3,550.00 \$ 143,259.00	\$ 142.00 \$ 87.00 \$ 106.00 \$ 353.40	s s s s s s s s s s s s s s s s s s s	2,840.00 : 2,349.00 : 2,650.00 : 318,413.40 : 253,387.80 :	\$ 730.00 \$ 390.00 \$ 600.00 \$ 233.00 \$ 290.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	14,600.00 10,530.00 15,000.00 209,933.00 202,911.00	\$ 260.00 \$ 202.00 \$ 320.00 \$ 320.00	\$ 5,200.00 \$ 5,454.00 \$ 5,550.00 \$ 288,320.00	\$ 800.00 \$ 605.00 \$ 275.00 \$ 385.00	\$ 8,200.00 \$ 21,600.00 \$ 15,125.00 \$ 301,835.00 \$ 197,175.00	\$ 175.00 \$ 150.00 \$ 175.00 \$ 400.00 \$ 520.00	\$ 3,500.00 \$ 4,050.00 \$ 4,375.00 \$ 360,400.00



	Dias Opened: 1/15/2020 de 2.00 pm														
Bid Item	Description	Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
76	Furnish and Install 42" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 15-25 ft., Complete in Place:	513	LF	\$ 317.00	\$ 162,621.00	\$ 452.90	\$ 232,337.70	\$ 457.00	\$ 234,441.00	\$ 420.00	\$ 215,460.00	\$ 375.00	\$ 192,375.00	\$ 775.00	\$ 397,575.00
77	Furnish and Install 42" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars Per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 25-35 ft., Complete in Place:	1,173	LF	\$ 386.00	\$ 452,778.00	\$ 452.90	\$ 531,251.70	\$ 633.00	\$ 742,509.00	\$ 420.00	\$ 492,660.00	\$ 650.00	\$ 762,450.00	\$ 850.00	\$ 997,050.00
78	Furnish and Install 42" PS 115 (ASTM 679) PVC Pipe with bedding per Detail WW-16, backfill with select common fill, pipe trench collars per Detail 2, Drawing 04C-07, groundwater and surface water control/dewatering, tracer tape, and appurtenances, Depth 35-45 ft.,														
	Complete in Place:	2,207	LF	\$ 807.00	\$ 1,781,049.00	\$ 452.90		\$ 777.00	, , , , , , , , , , , , , , , , , , , ,		\$ 926,940.00	\$ 875.00	\$ 1,931,125.00	\$ 1,020.00	\$ 2,251,140.00
	TOTAL ALTERNATE BID NO.1 (Items 1-5, plus 17-67; plus 68-78)				\$ 11,970,954.14		\$ 13,189,969.04		\$ 14,822,689.00		\$ 15,476,551.80		\$ 17,502,041.00		\$ 19,125,528.00
Alternate	 Bid Items No. 2:														
Bid Item		Quantity	Unit	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
79	On-site Disposal of all spoil materials generated by the project associated with the installation of the interceptor manholes, interceptor pipe with embedment envelope per the plan details, and appurtenances including Tunneling and Shaft installation. Disposal only includes transporting and dumping spoil material by the Contractor as accessed by the project's Temporary Access Road shown on the plans. Spreading, compacting, grading, clearing, and grubbing for this material is specifically excluded from this bid item and shall be conducted by others. Disposal shall be in the floodplain limits identified on Drawings 00G-06 (Sta: 64+00 to 79+00) and 00G-07 (Sta: 90+00 to 108+50). Contractor shall obtain the following documents from the landowner (Mr. Tim Timmerman) and submit to Engineer prior to beginning spoil disposal activities: City Site Disturbance Permit (SDP) and a FEMA Conditional Letter of Map Revision (CLOMR). Landowner shall prepare, submit to review agencies, and obtain approval by review agencies at his cost. The landowner's SDP and CLOMR shall accurately depict the specific areas that will be filled and the depth of fill at all locations, Complete in Place:		CY	\$ 7.56	\$ 114.987.60	\$ 6.50	\$ 98.865.00	\$ 10.00	\$ 152,100,00	\$ 10.00	\$ 152,100.00	\$ 11.00	\$ 167.310.00	\$ 3.00	\$ 45,630,00
	TOTAL ALTERNATE BID NO.2 IN BASE BID (Items 1-57, plus 59-67	,	CI	ф /.30	\$ 11.605.054.14	φ 6.50	\$ 98,865.00 \$ 12,911,190.04	ş 10.00	\$ 152,100.00 \$ 14.594.695.00		\$ 152,100.00 \$ 14,827,945.30	\$ 11.00	\$ 167,310.00 \$ 17,415,166.00	a 3.00	\$ 45,630.00 \$ 18,325,573.00
	TOTAL ALTERNATE BID NO. 2 IN ALTERNATE BID NO. 1 (Items 1-5, plus 17-57, plus 59-67, plus 68-78;plus 79)	, <u>F-30 (2)</u>			\$ 11,977,038.14		\$ 13,110,877.04		\$ 14,822,689.00		\$ 15,172,351.80		\$ 17,471,621.00		\$ 19,095,108.00

<sup>&</sup>lt;sup>1</sup>City of Pflugerville Bid Bond form was not used



T.B.P.E. Firm No. F-13162, 05/07/2013 5 of 5

<sup>&</sup>lt;sup>2</sup>The total sum for tax exempt and taxable products, materials, and services does not equal the contract sum on the State of Texas Tax Code, Chapter 151 Compliance Certificate

<sup>&</sup>lt;sup>3</sup>The sum of tax exempt and taxable products, materials and services does not equal the total listed on the State of Texas Tax Code, Chapter 151 Compliance Certificate

<sup>&</sup>lt;sup>4</sup>Amount on bid doc = \$17,454,586.00