ROADV	WAY ITEMS (KCWCID NO. 4A)							
ITEM	DESCRIPTION	Ql	JANTITY	UNI	T PRICE		SUM	
	Clearing and Grubbing of ROW and lots for roadway,							
	utilities, and drainage, Disposal as directed by Owner	AC.	24.89	S	-	\$		-
1	within George's Ranch, Complete in Place							
	Roadway Excavation within the Right-	C.Y.	24,085	s	_	s		
2	of-Way, Complete In Place	C.1.	24,065		-	3		_
	Roadway Embankment within the							
	Right-of-Way, per Kendall County specifications,	C.Y.	9,124	S	-	\$		-
3	Complete In Place							
	Hot Mix Asphaltic Pavement, (1.5" Compacted Depth,		10.727	,		s		
4	per TxDOT Item 340, Type D)	S.Y.	19,726	\$	-	3		-
5	Prime Coat, MC-30 (0.16 gal/SY per TxDOT Item 310)	GAL.	3,156	s	-	\$		-
6	Tack Coat(0.08 gal/SY per TxDOT Item 340)	GAL.	1,578	\$	_	S		-
	Crushed Limestone Base Material, (12" Compacted					1.		
7	Depth, per TxDOT Item 247 Type A; Grade 2)	S.Y.	20,978	\$	-	\$		-
	Crushed Limestone Base Material, (6" Compacted	634	125			,		
8	Depth, per TxDOT Item 247 Type A; Grade 2)	S.Y.	135	\$	-	\$		-
9	Kendall County 7" Standard Curb, Complete in Place	L.F.	11,138	S	-	\$		-
10	Remove Header Curb & 6" Guardposts	L.F.	63	\$	_	\$		_
	Traffic Control, Striping, Raised Pavement Markers &	1.0	1	s		c		
11	Street Signage, Complete in Place	LS.	l l			\$		
12	Revegetation of ROW w/Temp. Irrigation	LS.	1	S	-	S	·	-
	BID SUBTOTAL - R	ROADW	AY ITEMS (H	CWCIE	NO. 4A)	\$		_

DRAIN	IAGE ITEMS (KCWCID NO. 4A)						
ITEM	DESCRIPTION	Ql	JANTITY	TINU	「 PRICE	SUM	
	CHANNEL/S-	TORM D	RAIN ITEMS				
1	25' Curb Inlet (5.5' Deep), Complete in Place	EA.	1	\$	-	\$	-
2	25' Curb Inlet (7.0' Deep), Complete in Place	EA.	2	\$	-	\$	-
3	25' Curb Inlet (6.5' Deep), Complete in Place	EA.	1	S	-	\$	-
4	30' Curb Inlet (8.0' Deep), Complete in Place	EA.	1	\$	-	\$	-
	24" RCP, Storm Sewer, ASTM C-76, Class III, With	L.F.	442.59	S		S	
5	Rubber Gasket Joints, All Depths, Complete in Place	L.F.	442.39	3	-	3	
	30" RCP, Storm Sewer, ASTM C-76, Class III, With	L.F.	15.20	s		S	
6	Rubber Gasket Joints, All Depths, Complete in Place	L.F.	15.38	3	-	3	_
	48" RCP, Storm Sewer, ASTM C-76, Class III, With	EA.	717.47	S		S	
7	Rubber Gasket Joints, All Depths, Complete in Place	EA.	/17.47	٦	-	3	
8	54" RCP, Storm Sewer, ASTM C-76, Class III, With	EA.	698.93	\$	-	S	-
	54" HDPE, Storm Sewer, ASTM F-2306, With	L.F.	84.48	S		S	
9	Elastomeric Seals, All Depths, Complete in Place	L.F.	04.40	3	-	3	
10	4' x 4' x 3' Junction Box, Complete in Place	EA.	1	S	-	\$	-
11	6' x 6' x 5.5' Junction Box, Complete in Place	EA.	1	\$	-	S	-
12	7' x 7' x 6' Junction Box, Complete in Place	EA.	1	\$	-	\$	-
13	6' x 6' x 6' Junction Box, Complete in Place	EA.	1	\$	-	\$	-
14	7' x 7' x 5' Junction Box, Complete in Place	EA.	2	S	-	\$	-
15	Concrete Rip-Rap, Weathered Finish, Complete in Place	S.Y.	65	\$	-	\$	_
16	Concrete Baffle Blocks, Weathered Finish, Complete in Place	C.Y.	0.32	\$	-	\$	_
	Design of Trench Excavation and Shoring Plan for	LS.	1	s	_	S	_
17	Storm Sewer Construction, Complete	LJ.	'	ļ <sup>*</sup>			
	Trench Safety System, All Depths, for Storm Sewer	L.F.	1,959	s	_	S	_
18	Construction, Complete	L.I .	1,737	<u> </u>		*	

	DETENTION		ID ITEMS				
	36" HDPE, Storm Sewer, ASTM F-2306, With		ID IT LIVIS	T		1	
1	I ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	L.F.	165.00	\$	-	S	=
1	Elastomeric Seals, All Depths, Complete in Place	6.17	224	+			
2	Concrete Rip-Rap, Weathered Finish, Complete in Place	S.Y.	331	\$	-	\$	-
3	Concrete Baffle Blocks, Weathered Finish, Complete in Place	C.Y.	0.63	\$	-	\$	-
	1.0' Thick Clay Liner, Compacted to Specification,	S.Y.	5209	s	_	S	_
4	Complete in Place	5.1.	3207	<u> </u>		Ť	
	Concrete Headwalls and Wingwalls, per TxDOT Item	C.Y.	7.67	s	_	S	_
5	466, Weathered Finish, Complete in Place	C. 1 .	7.07	<u> </u>		`	_
	36" HDPE Flap Gate, with Hinge Arms and Seals,	EA.	3	S		S	
6	Complete in Place	EA.	3	'	-		-
7	Bermuda Hydromulch, Complete in Place	S.Y.	10825	\$	-	\$	-
8	Detention Pond Excavation, Complete in Place	C.Y.	35417	\$	-	\$	-
	12" Thick Rock Gabion Mattress, with 12 Gauge Wire,	S.Y.	40	s			
9	Fasteners, Lacing, Anchor Bolts, per TxDOT Item 459,	5.1.	40		-	\$	-
	Detention Pond Embankment, per Kendall County	ζ,	002	s			
10	Specifications, Complete in Place	C.Y.	982		-	S	-
	CLC	OMR ITE	MS	•			
1	Drainage Channel Excavation, Complete in Place	C.Y.	3394	S	-	S	-
	Drainage Channel Embankment, per Kendall County						
2	specifications, Complete in Place	C.Y.	44890	S	-	\$	=
3	Bermuda Hydromulch, Complete in Place	S.Y.	34530	S	-	S	=
	High Performance Turf Reinforcement Mat (HPTRM),			1.			
4	Complete in Place	S.Y.	2531	<b>S</b>	-	\$	-
<u> </u>	·						
	Soil Fill (1/2" min.) HPTRM with top soil, flexible growth						
	medium with seed and soil amendments and light	S.Y.	2531	\$	-	\$	-
5	weight erosion control blanket, Complete in Place						
	BID SUBTOTAL - I	OR A IN A	GE ITEMS (4	CWCIF	NO 441	<b>c</b>	_
	DID 30BTOTAL-1		OL II LMO (F	C W CIL	, 140. <del>TA</del> )	•	

TITEM   DESCRIPTION   QUANTITY   UNIT PRICE   SUM	- -
Line, All Bends, Reducers and Fittings, Steel Casing, All Depths, Complete in Place 6" C900, DR14 Polyvinyl Chloride (PVC) Water Line, All Bends, Reducers and Fittings, All Depths, Complete in Place 10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete 6 1" Long Dual Service, Complete in Place 8 3" Short Single Service, Complete in Place 8 3" Short Single Service, Complete in Place Paremanent Blowoff, Complete in Place Paremanent Paremanent Paremanent Paremanent Paremanent Pareman	-
1 Depths, Complete in Place 6" C900, DR14 Polyvinyl Chloride (PVC) Water Line, All Bends, Reducers and Fittings, All Depths, Complete in Place 10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place Fire Hydrant Assembly, Including Hydrant, 6" D.l. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete 6 1" Long Dual Service, Complete in Place 6 1" Short Dual Service, Complete in Place 8 ¾" Short Single Service, Complete in Place 9 2" Permanent Blowoff, Complete in Place FA. 1 S - S Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 S - S	- - -
6" C900, DR14 Polyvinyl Chloride (PVC) Water Line, All Bends, Reducers and Fittings, All Depths, Complete in Place  10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place  Fire Hydrant Assembly, Including Hydrant, 6" D.l. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  1" Long Dual Service, Complete in Place T" Somethoual Service, Complete in Place To Somethoual Service, Complete in Place The Somethoual Service Somethoual Service Somethoual Somethoual Servic	<u>-</u>
Line, All Bends, Reducers and Fittings, All Depths, Complete in Place  10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place  Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  1" Long Dual Service, Complete in Place  8 34" Short Single Service , Complete in Place 9 2" Permanent Blowoff, Complete in Place Requirements for  LS. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	-
2 Complete in Place  10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place  Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  1" Long Dual Service, Complete in Place  8 %" Short Single Service , Complete in Place 9 2" Permanent Blowoff, Complete in Place 10 2" Temporary Blowoff, Complete in Place Requirements for  LS. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	-
10" AWWA Gate Valve (open counter-clockwise) and Box w/ concrete pad encasement, Complete in Place  Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  1" Long Dual Service, Complete in Place  1" Short Dual Service , Complete in Place  8 4" Short Single Service , Complete in Place Paremanent Blowoff, Complete in Place David Permanent Blowoff, Complete in Place Requirements for  LS. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	_
and Box w/ concrete pad encasement, Complete in Place  Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs,  Complete  1" Long Dual Service, Complete in Place  8 3/4" Short Dual Service , Complete in Place  8 3/4" Short Single Service , Complete in Place  9 2" Permanent Blowoff, Complete in Place  Requirements for  EA. 17 S - S  - S  - S  - S  - S  - S  - S  -	-
Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  6 1" Long Dual Service, Complete in Place FA. 17 S - S  7 1" Short Dual Service, Complete in Place BA. 11 S - S  8 34" Short Single Service, Complete in Place FA. 1 S - S  9 2" Permanent Blowoff, Complete in Place EA. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	-
Fire Hydrant Assembly, Including Hydrant, 6" D.I. Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs, Complete  6 1" Long Dual Service, Complete in Place FA. 17 S - S  7 1" Short Dual Service , Complete in Place BA. 11 S - S  8 ¾" Short Single Service , Complete in Place FA. 1 S - S  2" Permanent Blowoff, Complete in Place FA. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	
Water Line, 6" AWWA Gate Valve and Box, and All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs,  Complete  1" Long Dual Service, Complete in Place  1" Short Dual Service, Complete in Place  8 34" Short Single Service, Complete in Place  Pace  EA. 11 S - S  11 S - S  2" Permanent Blowoff, Complete in Place  EA. 1 S - S  Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 S - S	
All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs,  Complete  1" Long Dual Service, Complete in Place  1" Short Dual Service, Complete in Place  8 34" Short Single Service, Complete in Place  9 2" Permanent Blowoff, Complete in Place  EA. 1 5 - 5  2" Tracer Wire Locate Test, Per City of Boerne Requirements for  LS. 1 5 - 5	
All Bends and Fittings, All Depths, Complete in Place  Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs,  Complete  6 1" Long Dual Service, Complete in Place EA. 17 \$ - \$  1" Short Dual Service , Complete in Place EA. 11 \$ - \$  8 34" Short Single Service , Complete in Place EA. 4 \$ - \$  9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$  10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	
Tracer Wire Locate Box, Install one locate box at all valves (including FH's) and dead ends or blowoffs,  5	-
valves (including FH's) and dead ends or blowoffs,  Complete  1" Long Dual Service, Complete in Place  1" Short Dual Service, Complete in Place  Requirements for  LS.  S  S  LS.  S  S  LS.  S  S  LS.  LS.  S  LS.  S  LS.  LS.  S  LS.  LS.  S  LS.  LS.  S  LS.  L	
5 Complete 6 1" Long Dual Service, Complete in Place EA. 17 \$ - \$ 7 1" Short Dual Service , Complete in Place EA. 11 \$ - \$ 8 34" Short Single Service , Complete in Place EA. 4 \$ - \$ 9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$ 10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	
6 1" Long Dual Service, Complete in Place EA. 17 \$ - \$ 7 1" Short Dual Service , Complete in Place EA. 11 \$ - \$ 8 34" Short Single Service , Complete in Place EA. 4 \$ - \$ 9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$ 10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	-
6 1" Long Dual Service, Complete in Place EA. 17 \$ - \$ 7 1" Short Dual Service , Complete in Place EA. 11 \$ - \$ 8 34" Short Single Service , Complete in Place EA. 4 \$ - \$ 9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$ 10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	
8 34" Short Single Service , Complete in Place EA. 4 \$ - \$ 9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$ 10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	_
9 2" Permanent Blowoff, Complete in Place EA. 1 \$ - \$ 10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne Requirements for LS. 1 \$ - \$	_
10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne  Requirements for LS. 1 \$ - \$	-
10 2" Temporary Blowoff, Complete in Place EA. 2 \$ - \$  Tracer Wire Locate Test, Per City of Boerne  Requirements for LS. 1 \$ - \$	-
Requirements for LS. 1 S - S	-
	_
11 Water Line Construction , Complete	
12 Hydrostatic Testing, Per City of Boerne Requirements LS. 1 S - S	-
Coordination with Owner's Chlorination Contractor,	
after all punch list items are complete and prior to final LS. 1 S - S	-
13 acceptance	
Design of Trench Excavation and Shoring Plan for	
14 Domestic Water Line Construction, Complete LS. 1 S - S	_
Trench Safety System (All Depths), for	
15 Water Line Construction , Complete L.F. 5,735 \$ - \$	_
24" Diameter Steel Casing, All depths, per City	
16 Requiremnts, coplete in Place L.F. 17 S - S	-
17 Meter Boxes, Complete in Place EA. 60 \$ - \$	
BID SUBTOTAL - DOMESTIC WATER ITEMS (KCWCID NO. 4A) \$	_

MISCEL	LANEOUS AND SWPPP ITEMS (KCWCID NO. 4A)							
ITEM	DESCRIPTION	Ql	JANTITY	UNI	T PRICE		SUM	
1	Stabilized Construction Entrance, Complete in Place	EA.	1	\$	-	\$		-
2	Concrete Washout Pit	EA.	1	\$	-	\$		-
3	Staging Area	EA.	1	\$	-	\$		-
	Filter Fabric Fence (When Authorized by Owner),		2.000	s				
4	Complete in Place	L.F.	3,080	3	-	3		-
	Type 2 Rock Filter Berm (When Authorized by Owner),		00	,		,		
5	Complete in Place	L.F.	89	\$	-	3		-
	Bagged Gravel Inlet Filter (When Authorized by		155	s				
6	Owner), Complete in Place	L.F.	155	3	-	3		-
	Storm Water Pollution Prevention Plan, including							
	Implementation, Permitting, Inspections, and	LS.	1	\$	-	\$		-
7	Reporting, Complete in Place							
8	Revegetation of Utility Easements w/Temp. Irrigation	AC.	4.95	\$	-	S		-
	BID SUBTOTAL - MISCELLANEOUS AI	ND SWI	PPP ITEMS (H	CWCIE	NO. 4A)	\$		-

ELECTE	RIC ITEMS (KCWCID NO. 4A)					
ITEM	DESCRIPTION	Ql	JANTITY	UNITI	PRICE	SUM
1	Primary and Secondary Trenching	L.F.	7,050	S	_	s -
2	Bedding Sand	LOT	1	\$	-	<b>S</b> -
3	Concrete Facilities, Complete in Place	LOT	1	\$	-	<b>S</b> -
4	6" Wide "CAUTION BURIED ELECTRIC BELOW" Tape (Red)	L.F.	7,050	\$	-	<b>S</b> -
5	Mule Tape (2500 lb Test Min.)	L.F.	9,475	\$	-	
6	1/2" to 3/4" Aggregate Gravel	LOT	1	S	-	
7	3" Sch 40 PVC Conduit (Primary & Secondary)	L.F.	10,075	S	-	-
8	3" 90° Sweeps Sch 80 PVC (3' Min. Radius Primary)	EA.	74	S	-	s -
9	3" 90° Sweeps Sch 80 PVC (2' Min. Radius Secondary)	EA.	67	\$	-	s -
10	3" Sch 40 PVC Cap	EA.	60	\$	-	<b>S</b> -
11	2" Sch 40 PVC Conduit (Temporary Service)	L.F.	900	\$	-	<b>S</b> -
12	2" 90° Sweeps Sch 80 PVC (3' Min. Radius Temp.)	EA.	60	\$	-	<b>S</b> -
13	2" Sch 40 PVC Cap	EA.	60	\$	-	-
14	Single Phase Transformer Pads	EA.	16	\$	-	-
15	Single Phase Combination Sectionalizing Box Pads	EA.	5	S	-	-
16	Three Phase (Small) Sectionalizing Box Pads	EA.	2	S	-	s -
17	Single Phase Sectionalizing Box	EA.	5	S	-	s -
18	Three Phase (Small) Sectionalizing Box	EA.	2	S	_	s -
19	UK5 - Secondary Pedestals	EA.	33	S	_	S -
20	Ground Rod Clamps	LOT	1	S	_	S -
21	UM6-6 - Ground Rods (10' x 3/4" CU Clad)	EA.	30	\$	-	S -

BID SUBTOTAL - ELECTRIC ITEMS (KCWCID NO. 4A)	<b>s</b> -

BASE BID TOTAL - ROADWAY, DRAINAGE, DOMESTIC WATER, MISC. & SWPPP, GAS, AND	_
ELECTRIC ITEMS (KCWCID NO. 4A)	-

ALTERI	NATE ITEMS (KCWCID NO. 4A)							
ITEM	DESCRIPTION	QL	QUANTITY UNIT PRICE				SUM	
1	Dewatering System when Required, (When Authorized by Owner), Complete in Place	L.F.	100	S	-	\$		_
2	Additional Cost Bedding & Backfill for Unsatisfactory Soil Conditions in Utility Trench (When Authorized by Owner), Complete in Place	L.F.	100	S	-	\$		-
3	Extra Cement Stabilized Sand in ROW (When Authorized by Owner), All Depths, Compete in Place	L.F.	100	S	-	S		-
4	French Drain, all 4" PVC pipe, filter sock, gravel and filter fabric wrapping (When Authorized by Owner),  Complete in Place	L.F.	100	S	-	\$		-
5	Roadway & Drainage Hauloff, to be hauled to offsite location outside George's Ranch	C.Y.	37,061			S		-
6	Clearing and Grubbing of ROW and lots for roadway, utilities, and drainage, Disposal Offsite, Complete in Place	AC.	24.89	s	-	\$		-
	BID SUBTOTAL - A	LTERNA	ATE ITEMS (F	CWCID	NO. 4A)	\$		-