

CA. LICENSE #1092409 DIR# 1000920033

August, 1 2022

CITY OF CORONA
DEPARTMENT OF PUBLIC WORKS
400 S. VICENTIA AVE
CORONA, CA. 92880

RE: Proposal for Installation of 6" Waterline on Brae Burn, Oakland Hills & Cypress Point

Work: Augustine General Engineering (AGE) will provide all labor, materials and equipment to install approximately 1630LF of 6" DI restrained waterline, (4) fire hydrants and (30) 1" water services on Brae Burn, Oakland Hills & Cypress Point in the City of Corona. The work will replace the existing 6" waterline, services and appurtenances which have had multiple failures in the past. Augustine will provide construction services as follows:

- USA DigAlert Notification.
- Provide utility verification for protection and alignment. Need to establish a clear alignment for
 installation. No sewer main or laterals were observed on these streets. Utility crossings are estimated at
 (35).
- Mobilization of equipment and materials.
- Trench asphalt saw cutting and/ or grinding.
- Installation of approximately 1630lf of 6" DI restrained mainline pipe w/ (4) 6" X 6" fire hydrant tees, and (1) 6" DI MJ end cap for testing. SE30 sand bedding per STD 406 w/ 3" poly warning tape. Pipe shall be double wrapped w/ polyethylene encasement and shall be installed with a minimum of 36" of cover. Trenches to be backfilled w/ Class II base.
- Installation of (4) fire hydrants per STD 412. (Approximately 30' 40' long)
- Installation of (30) 1" water services per STD 414. Services range in length from 15' to 60' +/-. Total estimated length of services is 800LF +/-. Service runs to angle meter.
- Provide trench shoring.
- Provide traffic control and onsite trucking.
- Provide chlorination, de-chlorination, leakage testing, flushing and bacteria testing.
- Furnish and install (1) 8" x 6" connection onto existing 8" waterline on Brae Burn.
- · Perform system connection.
- Connect (30) new service lines to existing meters.
- Abandon existing 6" watermain in place. Abandon existing fire hydrants. Provide concrete bulkheads at all areas where existing main is cut.
- Provide 2" temporary asphalt over trenches during construction.
- Install 5" base paving per STD 150. (Final overlay optional by City) Final overlay estimated at 54,000SF @ 2".
- Haul away existing spoils to Plant 1.

Construction Materials & Work Breakdown: Pipeline Materials (See attached take off & quote) SE30 Sand (720 ton Estimated) Temporary Asphalt (115 Tons Estimated) Class II Full Trench (1100 Tons Estimated) Base Paving Asphalt (260 Tons Estimated) Concrete (5 Yards Estimated) **Bacteria Testing** Labor Equipment Insurance Traffic Control Shoring **Grinding/Saw cutting** On Site Trucking Spoil Haul Away to Plant 1 6" Abandonment @ Existing Valve Chlorination/ De-chlorination/ Flushing

Total Pipeline: \$633,968.00 2" Grind & Overlay - \$109,000.00 Bonding @ 2% - \$15,250.00

Complete Total - \$758,218.00

Exclusions:

- Permits/ Permit fees
- Engineered Plans/ Traffic control Plans
- Survey
- Inspection fees
- Compaction/ concrete testing
- SWPPP
- Asphalt grind & Overlay (Optional at City Discretion)
- Builders Risk Insurance/ Insurance beyond \$2,000,000 aggregate
- Water fees
- Striping

Notes:

Mika Lawan

- 1. Estimated time for completion (30-35) working days
- 2. All labor per prevailing wage rates.
- 3. City to operate all valves.
- 4. City to provide any replacement water meters.
- 5. City to provide hydrant meter and water for construction.
- 6. Pricing was prepared per Augustine's conceptual understanding of the work needed. Field potholing will be necessary to establish pipeline/ appurtenant alignment. Please note that there are multiple options for performing this work, and final pricing can be negotiated based on the actual construction platform determined by the City.
- 7. All work can be performed as a T&M if preferred by City.
- 8. Service parts beyond angle meter to be provided by City, including replacement boxes, if needed.
- 9. Asphalt grind and overlay optional at City request.
- 10. Due to industry material shortages and continual pricing changes, lead times of all materials and final pricing are subject to delays and potential increases. Pricing is valid for (30) days from quote date. It is anticipated that Ductile Iron pipe has long lead times at present. Optional PVC pipe and fittings may have up to a six week lead time for acquisition.

Augustine General Engineering would like to thank The City of Corona for the opportunity to bid on this project. If you have any questions or need any clarifications, please feel free to call anytime at 909-208-2069.

Date:	_
	Date:

Acceptance of proposal is an agreement of all terms and conditions outlined above.

AUGUSTINE GENERAL ENGINEERING, INC. 8780 19TH ST. BOX #298 ALTA LOMA CA. 91701

augustinepipe@gmail.com 909-208-2069

CITY OF CORONA - BURN BRAE, CYPRESS POINT, OAKLAND HILLS WATERLINE REPLACEMENT

MATERIAL TAKE OFF:

CONNECTION:

- 2-6" DI MJ COUPLING
- 6-6" DI MEGALUGS W/ ACC KIT
- 2 6" PVC MEGALUGS W/ ACC KIT
- 1-6" HYMAX COUPLING DI X AC PIPE
- 3 6" FL X MJ ADAPTOR
- 4 6" N, B&G KITS 316SS/ 1/16" GARLOCK 3000 FF (FLANGE KIT)
- 1-6" DI FLANGED TEE
- 1-6" FL X MJ GATE VALVE
- 1 8" VALVE CAP "WATER"
- 1 8" X 18" SLIP CAN
- 1 8" DEBRIS CAP (PLUG INSIDE RISER PIPE)
- 1 6" BLIND FLANGE

MAINLINE:

- 6 6" DI 45° MJ ELBOW
- 3 6" DI 90° MJ ELBOW
- 4 6" X 6" DI MJ X MJ X FL TEE
- 1-6" DI FLANGED TEE
- 2 6" FL X MJ GATE VALVE
- 20LF 8" CL150 C900 PVC PIPE
- 2 8" VALVE CAP "WATER"
- 2 8" X 18" SLIP CAN
- 2 8" DEBRIS CAP (PLUG INSIDE RISER PIPE)
- 3 6" N,B&G KITS 316SS/ 1/16" GARLOCK 3000 FF (FLANGE KIT)
- 1-6" FL X MJ ADAPTOR
- 35 6" DI MEGALUG W/ ACC KIT
- 1-6" DI MJ END CAP W/2" THREADED OUTLET
- 1638LF 6" DI PIPE CL350
- 93 6" FIELD LOCK GASKETS
- 4000LF 8 MIL V-BIO POLYSLEEVE FOR 6" DI PIPE BLUE OR CLEAR (DOUBLE WRAP)
- 1 GALLON BITUMASTIC
- 2 ROLL 8-MIL POLY WRAP
- 1 QUART ANTI SEIZE
- 3000LF 3" WIDE BLUE NON DETECTABLE WARNING TAPE

END CAP TESTING:

- 2 2" X 12" GALV NIPPLE
- 2 2" GALV 90 ELBOW
- 1-2" X 30" GALV NIPPLE
- 1-2" GALV COUPLING

- 1 2" THREADED BRASS VALVE W/ HAND WHEEL
- 1-2" GALV PLUG
- 1 2" GALV STR ELL

FIRE HYDRANT PER STD 412 (4):

- 4 6" FL X MJ GATE VALVE
- 20LF 8" CL150 C900 PVC PIPE
- 4 8" VALVE CAP "WATER"
- 4-8" X 18" SLIP CAN
- 4 8" DEBRIS CAP (PLUG INSIDE RISER PIPE)
- 4 6" N,B&G KITS 316SS/ 1/16" GARLOCK 3000 FF (FLANGE KIT)
- 12-6" DI MEGALUG W/ ACC KIT
- 144LF 6" CL350 DI PIPE
- 4 6" DI MJ 90 ELBOW
- 4 6" FIELD LOCK GASKET
- 4 6" X 96" DI SPOOL PE X FL (8 HOLE FLANGE)
- 4 CLOW FIRE HYDRANT MODEL 850 W/8 HOLE PATTERN
- 4-6" X 6" BREAK OFF SPOOL 8 HOLE X 8 HOLE
- 8-3/4" BREAK OFF BOLTS/ 1/16" GARLOCK 3000 FF (8 HOLE SETS) SILICON FILLED
- 4 BLUE DOT REFLECTORS

1" WATER SERVICE PER STD. 414 (30): (NEW SERVICE TO BE RUN TO EXISTING METER)

- 30 6" X 1" BRASS SERVICE SADDLE JONES J969 IP
- 30 1" CORP STOP MIP X COMP JONES J1935SG
- 800LF 1" TYPE "K" SOFT COPPER
- 30 1" ANGLE METER JONES E1963WSG COMPRESSION

METERS PROVIDED BY CITY

OPTIONAL: (IF CITY ELECTS TO REPLACE)

- 30 DFW DFWPW6C4-12-4F LLPDE METER BOX AND HDPE COVER W/ READING LID H-20 RATING LABELED "WATER" 16 5/15" X 31 ¾" X 12" INSIDE DIMENSIONS
- 30 1" BRASS METER TAIL PIPE
- 30-1" METER VALVE JONES E1900W
- 30 1" X 3" BRASS NIPPLE
- 30 1" BRASS UNION
- 30 1" X 12" BRASS NIPPLE

ABANDONMENTS:

1-6" HYMAX END CAP



Quotation JOTATION DATE QUOTE NUMBER

58081
1 of 7
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QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND	ME AGENCY		WRITER
N/A N/A	N/A	LUC	CY SANCHEZ
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
2ea 6EA 2ea	**TO OUR VALUED BUSINESS PARTNERS REGARDING PRIDUE TO CURRENT SUPPLY CHAIN DISRUPTIONS, MATERIA ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS. ***********************************	LS	282.19 381.12 146.13 329.59

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Quotation

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07/27/2022	S1058081	
JOB NAME	PAGE NO. 2 of 7	

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND TIM	ME AGENCY		WRITER
N/A N/A	N/A	LUCY	SANCHEZ
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
3ea	DOMMJFA06LACC	127.699/ea	383.10
	6" DOMESTIC MJ X FLG ADAPTER LACC		
4ea	BNSDOM316SS6-8	251.875/ea	1007.50
	6" - 8" DOMESTIC 316SS BOLT & NUT		
	SET		
4ea	GRNA06	5.000/ea	20.00
	6" NON ASB NSF61 RING GASKET 1/16		
1ea	DOMFT06	450.965/ea	450.97
	6" DOMESTIC FLG TEE 124238		
1ea	A2362-1906	881.023/ea	881.02
	6" MUELLER A-2362 MJ X FLG RW GATE		
	VALVE DI BODY C509 E381 OPEN LEFT		
	2" OP NUT LACC		
1ea	VBC86W	64.200/ea	64.20
	8" X 6" CI VALVE BOX CAP "WATER"		
1ea	GVCT0818	18.500/ea	18.50
	8" X 18" GALVANIZED TOP SECTION		
1ea	DC825BLLD8	60.000/ea	60.00
	8" DEBRIS CAP DC825BL W/ LD8		
1ea	DOMBF06	124.127/ea	124.13
	6" DOMESTIC BLIND FLANGE		
	MAINLINE:		
6ea	DOMMJ4506LACC	132.164/ea	792.98
	6" DOMESTIC MJ 45 ELL LACC 072867		
3ea	DOMMJ9006LACC	160.740/ea	482.22
	6" DOMESTIC MJ 90 ELL LACC 072225		
	DOMMJFT06LACC	286.653/ea	1146.61
	6" DOMESTIC MJ X FLG TEE LACC		

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Quotation

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND TIM	ME AGENCY	V	VRITER	
N/A N/A	N/A	LUCY	LUCY SANCHEZ	
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
1ea	DOMFT06	450.965/ea	450.97	
	6" DOMESTIC FLG TEE 124238			
2ea	A2362-1906	881.023/ea	1762.05	
	6" MUELLER A-2362 MJ X FLG RW GATE			
	VALVE DI BODY C509 E381 OPEN LEFT			
	2" OP NUT LACC			
20ft	PVCDR1808B	25.812/ft	516.24	
	8" PVC DR18 C900 PIPE BLUE			
8ea	VBC86W	64.200/ea	513.60	
	8" X 6" CI VALVE BOX CAP "WATER"			
2ea	GVCT0818	18.500/ea	37.00	
	8" X 18" GALVANIZED TOP SECTION			
2ea	DC825BLLD8	60.000/ea	120.00	
	8" DEBRIS CAP DC825BL W/ LD8			
3ea	BNSDOM316SS6-8	251.875/ea	755.63	
	6" - 8" DOMESTIC 316SS BOLT & NUT			
	SET			
3ea	GRNA06	5.000/ea	15.00	
1	6" NON ASB NSF61 RING GASKET 1/16			
1ea	DOMMJFA06LACC	127.699/ea	127.70	
	6" DOMESTIC MJ X FLG ADAPTER LACC			
35EA	EBAA1106DEC	63.520/ea	2223.20	
	6" EBAA 1106DEC MEGA LUG KIT			
	FITTING RESTRAINT FOR DIP			
1ea	DOMMJCPT06LACC	102.695/ea	102.70	
	6" X 2" DOMESTIC MJ TAPT CAP LACC			
1638ft	DITJPC35006	24.433/ft	40021.25	
	6" PC350 TJ DUCTILE IRON PIPE			

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Quotation

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND TIM	ME AGENCY		WRITER
N/A N/A	N/A	LUCY SANCHEZ	
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
93ea	GUSFL06	68.311/ea	6352.92
	6" FIELD LOK GASKET		
8ea	PWVBIO0308X500	312.155/ea	2497.24
	3" - 8" X 500' V-BIO POLY WRAP FOR		
	3" THRU 8" PIPE		
1ea	K50G	56.000/ea	56.00
	HYTECH HT50 LOW VOC BITUMASTIC		
2ea	PWC3X100	35.000/ea	70.00
	3' X 100' CLEAR POLY WRAP 8 MIL		
1ea	AERVOE9120	17.000/ea	17.00
	AERVOE 9120 12OZ CAN ANTI SEIZE		
3ea	TAPENONDETWTR3	18.000/ea	54.00
	3" WIDE NON-DECT TAPE "WATER"		
	END CAP TESTING:		
2ea	GN2X12	15.000/ea	30.00
	2" X 12" GALVANIZED NIPPLE		
2ea	G902	20.250/ea	40.50
	2" GALVANIZED 90 ELL		
1ea	GN2X30	40.100/ea	40.10
	2" X 30" GALVANIZED NIPPLE		
1ea	GCPLG2	17.000/ea	17.00
	2" GALVANIZED COUPLING		
1ea	MILUP10502	165.000/ea	165.00
	2" MIL NL UP105 BRASS GATE VLV		
1ea	GP2	11.000/ea	11.00
	2" GALVANIZED PLUG (CORED)		
1ea	GST902	8.000/ea	8.00
	2" GALVANIZED 90 ST ELL		

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Quotation

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND TI	ME AGENCY		WRITER
N/A N/A	N/A LUCY SANCH		'SANCHEZ
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
	FIRE HYDRANT PER STD 412 (4)		
4ea	A2362-1906	881.023/ea	3524.09
	6" MUELLER A-2362 MJ X FLG RW GATE	1 1	
	VALVE DI BODY C509 E381 OPEN LEFT	1 1	
	2" OP NUT LACC		
20ft	PVCDR1808B	25.812/ft	516.24
	8" PVC DR18 C900 PIPE BLUE	1 1	
4ea	VBC86W	64.620/ea	258.48
	8" X 6" CI VALVE BOX CAP "WATER"		
4ea	GVCT0818	18.500/ea	74.00
	8" X 18" GALVANIZED TOP SECTION		
4ea	DC825BLLD8	60.000/ea	240.00
	8" DEBRIS CAP DC825BL W/ LD8		
4ea	BNSDOM316SS6-8	251.875/ea	1007.5
	6" - 8" DOMESTIC 316SS BOLT & NUT		
	SET	1 1	
4ea	GRNA06	5.000/ea	20.0
	6" NON ASB NSF61 RING GASKET 1/16		
12EA	EBAA1106DEC	63.520/ea	762.24
	6" EBAA 1106DEC MEGA LUG KIT		
	FITTING RESTRAINT FOR DIP		
144ft	DITJPC35006	24.433/ft	3518.3
	6" PC350 TJ DUCTILE IRON PIPE		
	DOMMJ9006LACC	160.740/ea	642.96
	6" DOMESTIC MJ 90 ELL LACC 072225		
	GUSFL06	68.311/ea	273.2
	6" FIELD LOK GASKET		=:

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Quotation

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

JOB BID DATE AND TIM	ME AGENCY	Market Libert	WRITER	
N/A N/A	N/A	LU	LUCY SANCHEZ	
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE	
4ea	SPOOLDIF0696	996.966/ea	3987.86	
	6" X 96" DI FLG SPOOL			
4ea	CLOW850DSY8H	2523.929/ea	10095.72	
	CLOW 850 DI HYD 8H SAFETY YELLOW			
	1.5PN			
4ea	HE68HDOM	255.294/ea	1021.18	
	6" BO HYDRANT EXTENSION 8 HOLE			
	DOMESTIC			
8ea	SFBOBNS68H	59.375/ea	475.00	
	SILICONE FILLED BREAK OFF BNS 8H			
8ea	GRNA06	5.000/ea	40.00	
	6" NON ASB NSF61 RING GASKET 1/16			
4ea	BLUEDOT	7.000/ea	28.00	
	BLUE DOT MARKER ONLY			
2ea	BLUEDOTGLUE	18.000/ea	36.00	
	EPOXY KIT FOR BLUE DOT			
	1" WATER SERVICE PER STD. 414			
	(30): (NEW SERVICE TO BE RUN TO			
	EXISTING METER			
30ea	J9696X1IP	202.089/ea	6062.67	
	6" X 1" IP J-969 DOUBLE STRAP			
	BRASS SADDLE W/SS			
30ea	E1935SG1	100.436/ea	3013.08	
	1" JJ NL MIP X CTSSG B CORP			
800ft	CPKS1100	9.660/ft	7728.00	
	1" K SOFT COPPER TUBE 100' COILS			
30ea	E1963WSG1	185.913/ea	5577.39	
	1" JJ NL CTSSG B AMS LW			

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Quotation

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07/27/2022	S1058081	
JOB NAME	PAGENO. 7 of 7	

QUOTE TO:

SHIP TO:

AUGUSTINE GENERAL ENGINEERING 8780 19TH ST BOX #298 ALTA LOMA, CA 91701

OB BID DATE AND T	ME AGENCY		WRITER
N/A N/A	N/A	LUCY SANCHEZ	
ORDER QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
30ea 30ea 30ea 1ea 30ea 30ea 1ea	METER PROVIED BY CITY OPTIONAL" (IF CITY ELECTS TO REPLACE) DFWPW6C4-12-BODY 16 5/16 x 31 3/4 x 12 H DFW METER BOX ONLY DFWPW6C-4F_6450_NHK-LID 30 1/2 X 17 5/8 DFW LID E1301X2.63 1" X 2 5/8" JJ NL MTR CPLG E1900W1 1" JJ NL FIP X FIP B CURB LW DOMBN1X3 1" X 3" DOMESTIC BRASS NIPPLE BU1 1" NL BRASS UNION DOMBN1X12 1" X 12" DOMESTIC BRASS NIPPLE ABANDONMENTS: HY867-56-06165-16 6" HYMAX GRIP END CAP (6.50-7.20) NPT2 232PSI	167.614/ea 146.829/ea 22.567/ea 133.977/ea 7.000/ea 75.350/ea 25.000/ea	5028.43 4404.8 677.0 133.9 210.0 2260.5 750.0 293.9
*THANK YO	U FOR THE OPPORTUNITY TO BID!***	Subtotal S&H Charges Estimated Tax	125235.08 0.00 9705.72
		Amount Due	134940.8