



CITY OF INGLEWOOD



SPECIFICATIONS FOR
"INGLEWOOD NEW WELL NO. 7 CONSTRUCTION"

BID NO. CB-xx-xx

Public Works Department
One West Manchester Boulevard
Inglewood, California 90301
(310) 412-5333

Bid Proposal Due on Wednesday, January 25, xxx no later than
xx:00 AM at City Clerk Office.

NOVEMBER 2016

BIDDER'S PROPOSAL AND STATEMENT
CITY OF INGLEWOOD, LOS ANGELES COUNTY, CALIFORNIA
"INGLEWOOD NEW WELL NO. 7 CONSTRUCTION"

PROPOSAL

To the City of Inglewood
 One Manchester Boulevard
 Inglewood, CA 90301

The undersigned declares that he/she has carefully examined the location of the proposed work and has otherwise satisfied himself/herself as to the nature and location of the work, and is fully informed as to all conditions and matters which can in any way affect the work or cost thereof, that he/she has examined the Specifications and Plans, and has read the accompanying "**INSTRUCTIONS TO BIDDERS**" and hereby agrees to provide the following:

To furnish all labor, materials, equipment, transportation, and services and to do all the work required for the "**INGLEWOOD NEW WELL NO. 7 CONSTRUCTION**" and in strict conformity with the plans and specifications and at the following lump sum prices, to Wit (please see "Measurement and Payment" Section for details):

Item No.	Bid Item Description	Quantity	Unit	Unit Price	Amount
DRILLING & CONSTRUCTION OF NEW WELL NO. 7					
101	Mobilization and Demobilization (including drilling/well permits).	1	Lump Sum		
102	Install, maintain & remove 24-foot tall noise control/acoustical sound panel wall around site perimeter.	360	Linear Feet		
103	Provide for treatment including the use of two above-ground settling tanks, sampling, analysis and compliance with NPDES permit for discharge of well development and testing fluids, in accordance with Appendix Exhibit C.	1	Lump Sum		
104	Drill 48-inch diameter hole; Furnish & Install 42-inch outside diameter (OD) x 3/8-inch Thick Low Carbon Steel (LCS) conductor casing and grout into place to 50-feet below ground surface (bgs).	50	Linear Feet		
105	Drill pilot borehole from 50-feet to 700-feet bgs with 17½-inch nominal diameter drill bit, collect formation samples, monitor fluid properties, conduct Eastman type drift surveys and perform related works.	650	Linear Feet		

106	Provide downhole geophysical surveying consisting of a spontaneous potential, short (16-inch) and long (64-inch) normal resistivity, focused (guard) resistivity, sonic variable density (sonic), gamma-ray and magnetic deviation surveys.	1	Lump Sum		
107A	Perform isolated aquifer zone tests in the pilot borehole per zone.	4	Each		
107B	Retain laboratory, collect samples, deliver samples to laboratory, and pay for specified analyses per zone.	4	Each		
108A	Ream pilot borehole to 38 inches in diameter from 50-feet to 350 feet bgs.	300	Linear Feet		
108B	Ream pilot borehole to 30 inches from 350-feet to 700 feet bgs.	350	Linear Feet		
109A	Provide caliper survey after completion of pilot borehole reams.	1	Lump Sum		
109B	Provide second magnetic deviation survey with a magnetometer tool following completion of the pilot borehole reams.	1	Lump Sum		
110A	Furnish and install 20-inch Inner Diameter (ID) by 3/8-inch wall Type 304L Stainless Steel ASTM A778 blank well casing from 2-feet above ground surface to 350-feet bgs.	352	Linear Feet		
110B	Furnish and install 20-inch ID by 5/16-inch wall Type 304L Stainless Steel ASTM A778 blank well casing, interspersed with 20-inch ID Louvers, from 350-feet bgs to 680-feet bgs including a cellar pipe/end cap between 660 feet bgs to 680 feet bgs.	80	Linear Feet		
110C	Furnish and install 20-inch ID by 5/16-inch wall, Type 304L Stainless Steel ASTM A778, 0.070-inch (70-slot) Full-flow Louvers (interspersed with blank casing per Item 110B) from 350 feet bgs to 660 feet bgs.	250	Linear Feet		
110D	Furnish and install 3-inch ID Schedule 80 LCS, ASTM A53 gravel feed tube from 2-feet above ground surface to 320-feet bgs.	322	Linear Feet		

110E	Furnish and install 4-inch ID Schedule 40 Type 304L Stainless Steel ASTM A53 camera tube from 2-feet above ground surface to 340-feet bgs, equipped with a 10-foot long port opening from 333-feet to 340-ft bgs.	342	Linear Feet		
110F	Furnish and install 2-inch ID Schedule 40 Type 304L Stainless Steel ASTM A53 sounding tube, from 2-feet above ground surface to 325 feet bgs, equipped with a 1-foot long port opening into the well casing from 324-feet to 325-feet bgs.	327	Linear Feet		
110G	Furnish and install a 3-inch ID Schedule 40 Type 304L Stainless Steel air vent tube from 2-feet above ground surface to 2-feet bgs.	4	Linear Feet		
111	Install 20-foot bentonite pilot hole bottom seal (OPTIONAL).	20	Linear Feet		
112	Furnish and install Tacna Sand and Gravel, or Approved Equal, 6 x 12 gradation gravel pack, including 5-feet of plaster sand on top, from 300-feet to 700-feet bgs.	400	Linear Feet		
113	Install annular cement/grout seal, in lifts, from 5-feet bgs to 300-feet bgs.	295	Linear Feet		
114	Conduct alignment survey to the bottom of the well.	1	Lump Sum		
115	Standby time per hour.	24	Hour		
116	Mechanically develop well by swabbing and airlift pumping (only actual swabbing or surging time shall be attributed to development time) per hour.	100	Hour		
117A	Chemicals for well development: furnish 120 gallons of 12.5% Chlorine solution.	120	Gallon		
117B	Chemicals for well development: furnish 12 gallons of NW-220 or Approved Equal.	12	Gallon		
118	Provide color video surveys with DVD recordings on the completed well: two following mechanical development and a third one following removal of the test pump.	3	Each		
119	Mobilization and demobilization of a temporary test pump and accessories to a depth of 300-feet bgs.	1	Lump Sum		

120A	Conduct pumping development, record and monitor changes in water levels, sand content, and flow rates.	60	Hour		
120B	Perform step drawdown test (12-hour maximum) including measurements of water levels, pumping rates and sand production.	12	Hour		
120C	Perform constant rate pumping test (48-hour maximum) including measurements of water levels, pumping rates and sand production.	48	Hour		
121	Conduct down-well dynamic spinner survey.	1	Lump Sum		
122	Conduct depth specific sampling in four (4) sample depths per depth zone including analytical testing (selected California Title 22 analyses) from a State-certified laboratory for specified analyses.	4	Each		
123	Conduct down-well static flowmeter (spinner) survey.	1	Lump Sum		
124	Disinfect the well and Capping.	1	Lump Sum		
125	Abandonment/destruction of pilot hole in accordance with State or local County ordinances.	1	Lump Sum		
NEW WELL NO. 7 EQUIPPING & SITE IMPROVEMENTS					
201	Mobilization and Demobilization (including two 6-feet x 6-feet construction billboards).	1	Lump Sum		
202	Trees removal and trimming.	1	Lump Sum		
203	Demolition, removal, & clearing the site and site preparation.	1	Lump Sum		
204	Implementation of BMPs, including preparation and implementation of Storm Water Pollution Prevention Program and SCAQMD Rule 403 in accordance with the latest State regulations.	1	Lump Sum		
205	Traffic Control & Devices and Safety Measures	1	Lump Sum		
206	Furnish and Install 12-inch R.C.P. Wastewater Drainage Line, including 12-inch R.C. pipes, 4-foot ID Manhole, Connection to existing 36-inch Storm	x00	Linear Feet		

	Drain, Precast Concrete Drain Inlet, 8-inch HDPE pipe, curb inlet catch basin and site drain piping, potholing, excavation, compaction and new A.C. pavement..				
207	Furnish and Install 12-inch DIP Water Discharge Line, including 12-inch steel pipes, various fittings, pipe supports, 12-inch swing check valve, 12-inch butterfly valve, combination air vacuum release valves, pressure switches & gauges, magnetic flow meter, connection to existing 27-inch RCCP, sample tap connections, potholing, excavation, compaction, and new pavement per Inglewood Well No. 7 Construction Drawing #M-101.	x00	Linear Feet		
208	Furnish & Construct Well Pump Pedestal Assemblies, including but not limited to sounding tube, gravel tube, camera tube, air vent, and concrete well pedestal.	1	Lump Sum		
209	Furnish and Install new 175-HP submersible pump/motor assemblies (required flow=1,500 gpm & minimum TDH=420-feet).	1	Lump Sum		
210	Furnish and Install 10-inch Stainless Steel Column Pipe Assemblies (including SS416 shaft).	360	Linear Feet		
211	Furnish and Install Well Discharge Head Assemblies.	1	Lump Sum		
212	Furnish and Install Above Ground 10-inch wastewater line, including but not limited to 10-inch DIP steel pipe and fittings, reducers, pipe supports, v-cone water meter, 8-inch butterfly valve, 8-inch control valve, and orifice plate per Inglewood Well No. 7 Construction Drawing #M-101.	1	Lump Sum		
213	Furnish and Install Electrical assemblies including but not limited to electrical panels and foundation, conduit, wire, instrumentation, motor control center, variable frequency drive and enclosure, and air conditioning, and miscellaneous.	1	Lump Sum		
214	Furnish and Install 5-inch RC Concrete Pavement with #4 rebars @ 12" spacing each way on 6" Crush Aggregate Base (C.A.B.) compacted to 95% Compaction.	xxxx	Square Feet		

215	Furnish and Install 5-inch Furnish and Install 5-inch Gravel (Crushed Rock) Pavement.	xxxx	Square Feet		
216	Furnish and Install 4-inch Mueller Super Centurion 200 Fire Hydrant Assembly (or Approved Equal) with New 4-inch Service Line Per LA County Water Standard Plan W-8 (include excavation & connection using 8"x8"x4" Tee, 4-inch valve, & 4-inch DIP pipe connecting to existing water main and Thrust Block	1	Lump Sum		
217	Furnish and Install 10-foot high tubular steel fence, including remote-controlled 10-foot high sliding gate and railing & its equipment & foundations/footing per Drawing Sheet C-501.	190	Linear Feet		
218	Furnish and Install Bollards with its concrete foundations per Drawing Sheet C-502.	7	Each		
219	Site Works, including but not limited to Site Grading; and Construct Commercial Driveway, Sidewalk, 6-inch Curb and Gutter per Inglewood & APWA Standard Plans.	1	Lump Sum		
220	Miscellaneous, incidentals & all other Works such as check motor rotation, pump adjustment, including perform start-up, test, and disinfection plus Final Report, as indicated in on the contract documents but not included in the above bid items.	1	Lump Sum		
TOTAL BID WRITTEN IN WORDS			TOTAL BID IN FIGURES		
_____			\$ _____		

IN CASE OF DISCREPANCY BETWEEN THE WORDS AND FIGURES, THE WORDS SHALL PREVAIL.

RECEIPT OF ADDENDUM NO. _____, _____, _____, _____, IS HEREBY ACKNOWLEDGED.

This bid is based upon completing the work within two hundred forty **(220)** working days* from the date of the Notice to Proceed. Before signing the contract, the lowest responsible bidder shall furnish all necessary bonds within ten (10) days after receiving the Contract notification.