May 2, 2018
Revised 5-31-18

City of Lake Elsinore
130 S. Main Street
Lake Elsinore CA 92530

VIA EMAIL:
PROJ: Launch Point, Lake Elsinore CA (**Splash Pad Option 3**)
ATTN: Jason Simpson, Assistant City Manager

We are pleased to submit a proposal for the above-mentioned project per your request. The breakdown is as follows:

Vortex WQMS & Poligon Option 3

- Provide & deliver Vortex Aquatic splash pad system complete.
- Provide & deliver Poligon MSL ARC 11X16 equipment room.
- Provide fence/ barrier protection. Excavate for 4000 gallon recirculatory reservoir. Provide OSHA T-1 permit – excavation based on type "B" soil w/ stepped sides.
- Construct reinforced sub floor with tie down anchors, install 4000 gallon storage tank.
- Haul excess soil from recirculation tank excavation to onsite disposal area.
- Excavate, construct sub slab, install debris vault.
- Construct 8" SDR-35 storm drain from Playsafe drains to RWD. Construct 10" SDR-35 Drain from RWD to recirc tank. Provide DWV to SDR adaptors.
- Install chemical reservoirs w/ concealed conduit to peristaltic pumps.
- Connect RWD valve to customer furnished storm drain within 10'.**
- Connect to customer furnished domestic water supply to recirc tank water make-up inlet.   (Within 10' of tank)
- Construct 4" Sch 80 PVC waste line from recirc tank to overflow sump.
- Construct schedule 80 4" discharge line from customer furnished sand & grease Interceptor to back wash pit.
- Construct 4" SDR-35 sewer lateral from back wash pit to 5' outside of enclosure.
- Construct 5" concrete floor w/ thickened edge, equipment pads and monolithic backwash sink.
- Provide & install schedule 80 PVC return & suction lines.
- Install Delta UV reactor. Provide shelf mount hardware. (ground install not compatible with flow requirements)
- Provide conduit/ circuit from controller to Meyer's pumps. Provide low voltage connection from ultra-sonic level sensor to controller*
- Install filter & pump module. Include housekeeping concrete pad. construct P.I.P. back wash sink for air gap discharge.
- Install Rain Water Diverter module. Provide 120 VAC circuit, Connect to fail safe.

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- Install skid mount manifold assembly, connect downstream side of UV system. Provide low voltage from dynamic bypass to controller, connect flow sensors.
- Install low voltage from smart flow controller Chemical pumps & alarm module
- Install VFD master & slave modules, provide 240 VAC from MSP to VFD, Provide power to pumps. Connect to fail safe controller.
- Excavate, construct (4) 6' Sq x 18" footings w/ (5) # 6 EW/ TB
- Construct continuous 12" x 24" perimeter grade beam.
- Install Poligon MSL enclosure 11X16 MR.
- Supply reinforcing # 5 @ 16" & # 5 horiz. Dowell to finish floor.
- Construct hose bib WQMS room.
- Provide & install MDF 500SM outdoor shower.
- Provide back flow preventer, wall mount, line size
- Provide domestic water plumbing inside of WQMS enclosure. Provide isolation valves and RCV shut off to shower.
- Provide floor drain for shower area, 4" Zurn or equal
- Provide Eye Wash station inside of building.
- Construct (3) Play Safe P.I.P. drains.
- Provide & install Sch 80 plumbing from manifold to features. Provide pressure testing.
- Install (2) VOR-0301 Geyser
- Install (2) VOR-0301 Ground Geyser
- Install (3) VOR-7512 Jet Stream
- Install (1) VOR-7237 Helio No 1
- Install (1) VOR-7241 Helio No 6
- Install (1) VOR-7121 Water Journey Races
- Install (3) VOR-0305 Directional Jet No 1
- Install (1) VOR-0130 Super Splash No 2
- Install (1) L3-800B Elevation
- Install (1) VOR-0611 Bollard Activator No3 (Includes conduit/ signal to controller)
- Construct 6" concrete splash pad w/ # 4 @ 12" OC/ EW. Include Xypex, Integral color, Provide greenstreak water stops, expansion joints & sika-flex.
- Construct 12" x 36" concrete seat wall w/ skate stops.
- Provide Health Department splash pad compliance signage.

TOTAL: $ 699,311.00

*Gray water lift pump may be required from drain overflow reservoir to backwash pit. (Not shown)
**Storm drain invert may require slight adjustment or the RWD may need to be elevated to accommodate drain line.

Concrete placement is critical to the proper function of the spray area. Vortex embeds must be pitched with the intended flow to avoid peaks/ valleys. Water velocity, wind & interaction with the spray must be

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considered. Constructing the pad to only drain nuisance water may result in unsatisfactory water loss. Lithochrome color harder is not recommended. Traction additive is necessary for "dust-on" colors.

Area to be sub-grade ready. Price based on two moves, all work concurrent, footing spoils dumped onsite. Wrap/ OCIP insurance if required, is reflected in above price.

If you have any questions please feel free to call.

Sincerely,
MICON CONSTRUCTION
Mitch Holle

Exclusions: Manhole. Sand & Grease Interceptor. Power to MSP & UV equipment. Grounding. Domestic water supply. Offsite disposal of soil. Eye Wash, Irrigation pump and outlets. Not responsible for turf, landscape, utility repairs, and irrigation renovations unless noted above.
This quote is good for 30 days. Price based on one (2) move on and "tailgate" access to work. Minimum of $ 1,200.00 for each additional move-on. No retention. Payment within 30 days. Applicable sales tax(es) will be added to total price on invoice. Area to be sub-grade ready.
Quote based on all mentioned work as concurrent. Micon will off-load equipment if site is ready and delivery has been scheduled to coincide with installation. All work to be installed by certified CPSI installer and conform to CPSC and ASTM guidelines.

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