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Municipal Design • Infrastructure Engineering • Construction Management • Land Surveying

**PROJECT: NILAND WASTEWATER TREATMENT PLANT AND COLLECTION SYSTEM IMPROVEMENT
PROJECT – THG #542.089**

DATE: JANUARY 29, 2024

ENGINEER’S OPINION OF PROBABLE COST

<u>Item No</u>	<u>Item</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Quantity</u>	<u>Total Cost</u>
1	MOBILIZATION PER TECHNICAL SPECIFICATION 01505	LUMP SUM	----	----	\$580,000.00
2	INSTALL VALVES, FITTINGS AND PIPING UPSTREAM OF THE EXISTING HEADWORKS STRUCTURE PER PLAN SHEETS 4 AND DETAIL A ON PLAN SHEET 12 AFTER REMOVING THE EXISTING VALVES, PIPING AND FITTINGS PER DEMOLITION KEYNOTE 1 ON PLAN SHEET 4. BYPASS RAW WASTEWATER FLOW UPSTREAM OF THE EXISTING HEADWORKS STRUCTURE FOR THE VALVE AND PIPING REMOVAL AND REPLACEMENT PER SPECIAL CONDITIONS SECTION 3.1.4.1 ON PAGE 12 OF THE SPECIAL CONDITIONS. DEWATERING OF THE GROUND WATER TABLE SHALL BE ACCOMPLISHED PER SPECIAL CONDITION SECTION 3.1.4.1, ITEM 1, SPECIAL CONDITION SECTION 3.1.3 AND TECHNICAL CONDITION SECTION 02140. COMPLETE ALL WORK IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL, SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$45,000.00
3	REMOVE AND INSTALL GROUND WATER PUMP STATION ACCESS HATCH PER PLAN SHEET 4 AND DETAIL B ON PLAN SHEET 12. COMPLETE ALL WORK IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$7,000.00
4	INSTALL PCC CONCRETE SECTIONS TO RAISE THE EXISTING FLOWMETER VAULT ENTRANCE ELEVATION PER PLAN SHEET 4 AND DETAILS C AND D ON PLAN SHEET 12. BACKFILL NATIVE MATERIAL AROUND THE RAISED FLOWMETER VAULT AS REQUIRED BY DETAILS C AND D. COMPLETE ALL WORK IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$38,000.00

5	CONSTRUCT THE 12 INCH SANITARY SEWER EFFLUENT PIPELINE FROM A POINT DOWNSTREAM OF THE FLOWMETER SAMPLING VAULT TO THE EVAPORATION/INFILTRATION POND PUMP STATION INCLUDING THE INSTALLATION OF THE PIPELINE PENETRATION AT THE PUMP STATION WET WELL PER PLAN SHEETS 4, 21, 24, 25, 30 AND DETAIL FF ON PLAN SHEET 26. COMPLETE AIR TESTING OF THE SANITARY SEWER EFFLUENT PIPELINE IN CONFORMANCE WITH TECHNICAL SPECIFICATION SECTION 02666-3.03. COMPLETE THE 12 INCH SANITARY SEWER EFFLUENT PIPELINE INSTALLATION IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$30,000.00
6	CONSTRUCT THE 8 INCH OVERFLOW PIPELINE FROM THE EVAPORATION/INFILTRATION PUMP STATION PCC WET WELL TO THE PCC HEADWALL STRUCTURE AT EVAPORATION/INFILTRATION POND NUMBER 1 PER PLAN SHEETS 4, 15, 21, 24, 25, AND 30. COMPLETE AIR TESTING OF THE OVERFLOW PIPELINE IN CONFORMANCE WITH TECHNICAL SPECIFICATION SECTION 02666-3.03. COMPLETE THE 8 INCH OVERFLOW PIPELINE INSTALLATION IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$28,000.00
7	CONSTRUCT THE 6 INCH EFFLUENT DISCHARGE FORCE MAIN FROM THE EVAPORATION/INFILTRATION PUMP STATION DOWNSTREAM TRUE WYE FLANGE TO THE PCC STANDPIPE AT THE NORTHEAST CORNER OF EVAPORATION/INFILTRATION POND NUMBER 1 PER PLAN SHEETS 4, 15, 21, 24, 25, 26 AND 30. INCLUDES ALL PIPING AND FITTINGS AT THE PCC STANDPIPE AS ILLUSTRATED ON STAND PIPE DETAIL AA ON PLAN SHEET 26 UP TO AND INCLUDING THE 6 INCH DIAMETER 90 DEGREE FLANGED DISCHARGE FITTING WITHIN THE PCC STANDPIPE. ALSO INCLUDES THE PIPING PIPE SUPPORT BRACKETS AND THE PIPE PENETRATION THROUGH THE PCC STANDPIPE SHAFT SECTION. COMPLETE AIR TESTING OF THE 6 INCH EFFLUENT DISCHARGE FORCE MAIN IN CONFORMANCE WITH TECHNICAL SPECIFICATION SECTION 02666-3.03. CONSTRUCT THE 6 INCH EFFLUENT DISCHARGE FORCE MAIN IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$24,000.00

8	<p>COMPLETE REHABILITATION OF THE EXISTING CHLORINATION/DECHLORINATION BASIN AND CONSTRUCTION OF NEW SODIUM HYPOCHLORITE AND SODIUM METABISULFITE FACILITIES INCLUDING THE EMERGENCY SHOWER AND EYEWASH STATIONS, PCC SUPPORT FOUNDATION CONTAINMENT SLABS, SHADE STRUCTURES, CHEMICAL TANKS, CHEMICAL PUMPS AND PIPING, ALUMINUM HANDRAIL REPLACEMENT AND ALL OTHER REQUIRED ITEMS. INCLUDE REPLACEMENT AND INSTALLATION OF NEW 12 INCH VALVE AND PIPING UPSTREAM OF THE BASIN AND THE PIPING CONNECTION TO THE BASIN. INCLUDES REMOVAL AND DISPOSAL OF EXISTING FLASH MIXER AND INSTALLATION OF A NEW FLASH MIXER. INCLUDES INSTALLATION OF A COATING SYSTEM INSIDE OF THE REHABILITATED CHLORINATION/DECHLORINATION BASIN. INCLUDES THE INSTALLATION OF A NEW 2 INCH WATER PIPELINE AND WATER FAUCETS INCLUDING THE EXTENSION OF THE NEW WATER PIPELINE AND WATER FAUCET TO THE EVAPORATION/INFILTRATION POND PUMP STATION. INCLUDES ALL DEWATERING, EARTHWORK EXCAVATION, BACKFILLING, AND TRENCHING. EARTHWORK EXCAVATION AND BACKFILLING INCLUDES SCARIFICATION AND COMPACTION OF NATIVE MATERIAL BENEATH THE CHEMICAL FACILITIES AND PLACEMENT AND COMPACTION OF GRANULAR SAND FILL BENEATH THE CHEMICAL FACILITIES. EARTHWORK AND EXCAVATION INCLUDES BACKFILLING THE CHLORINATION/DECHLORINATION BASIN RECONSTRUCTED WALLS WITH GRANULAR SAND. EARTHWORK AND EXCAVATION INCLUDES THE INSTALLATION OF ¾ INCH CRUSHED ROCK AND FILTER FABRIC BENEATH THE CHLORINATION/DECHLORINATION BASIN WALL FOOTINGS AND FLOORS. EARTHWORK AND EXCAVATION INCLUDES THE GRADING AND CONSTRUCTION OF THE SIDE SLOPES AROUND THE PERIMETER OF THE CHLORINATION/DECHLORINATION AREA AND INSTALLATION OF ¾ INCH ROCK AND FABRIC, PCC CONCRETE OR CLASS 2 BASE ON THE SIDE SLOPES AS REQUIRED ON THE PLANS. EARTHWORK AND EXCAVATION INCLUDES THE GRADING AND PLACEMENT OF CLASS 2 BASE BETWEEN THE EXTERIOR OF THE CHLORINATION/DECHLORINATION STRUCTURE AND THE TOP OF SLOPES AND THE EXISTING CHEMICAL CONTAINMENT STRUCTURE TO BE ABANDONED. THE BYPASSING OF WASTEWATER AND GROUNDWATER FLOW AS WELL AS OTHER WORK ITEMS SHALL BE ACCOMPLISHED PER SPECIAL CONDITIONS SECTION 3.1.4.5 AND THE COSTS ASSOCIATED WITH SPECIAL CONDITION SECTION 3.1.4.5 REQUIREMENTS ARE TO BE INCLUDED IN THIS BID ITEM. THIS ITEM DOES <u>NOT INCLUDE</u> ELECTRICAL WORK AT THE CHLORINATION/DECHLORINATION BASIN INCLUDING BUT NOT LIMITED TO THE ELECTRICAL FLASHMIXER FIELD CONTROL STATION AND FLASHMIXER CIRCUITRY, DISCONNECTING EXISTING ELECTRICAL RECEPTACLES, INSTALLING NEW ELECTRICAL RECEPTACLES, INSTALLATION OF POWER AND CONTROL CIRCUITRY, RECEPTACLES AND SWITCHES FOR THE CHEMICAL PUMPS, AND INSTALLATION OF LIGHT POLES, ASSEMBLIES AND PEDESTALS. CONSTRUCT AND COMPLETE THE WORK INCLUDED IN THIS BID ITEM PER PLAN SHEETS 4, 6, 7, 8, 9, 10, 11, 21, 24 AND 44 AND DETAIL N AND I ON PLAN SHEET 35, DETAIL P ON PLAN SHEET 42, AND DETAIL Q ON PLAN SHEET 43. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	-----	-----	\$688,000.00
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9	REPLACE EXISTING 6 INCH GATE VALVE WITH A NEW 6 INCH ECCENTRIC PLUG VALVE PER CONSTRUCTION KEYNOTE 8 ON PLAN SHEET 4. INCLUDE DUCTILE IRON TRANSITION COUPLINGS WITH STAINLESS STEEL HARDWARE AND AWWA C-900 PVC PIPELINE SEGMENTS TO COMPLETE THE VALVE REPLACEMENT. COMPLETE EXCAVATION AND BACKFILLING FOR THE 6 INCH VALVE REPLACEMENT. COMPLETE THIS WORK, INCLUDING THE BYPASSING OF WASTEWATER FLOW, AND COMPLETION OF OTHER BID ITEMS IN ACCORDANCE WITH SPECIAL CONDITION SECTION 3.1.4.2. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$6,800.00
10	INSTALL NEW SANITARY SEWER INFLUENT PUMP STATION ACCESS HATCH PER CONSTRUCTION KEYNOTE 9 ON PLAN SHEET 4 AND DETAIL F ON PLAN SHEET 12. INSTALL A PUMP DAVIT CRANE AT THE SANITARY SEWER INFLUENT PUMP STATION PER NOTE ON PLAN SHEET 4 AT A LOCATION DETERMINED BY THE ENGINEER. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$7,000.00
11	INSTALL SAMPLING VAULT ALUMINUM GRATES PER CONSTRUCTION KEYNOTE 11 ON PLAN SHEET 4 AND DETAIL G ON PLAN SHEET 12. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$5,000.00
12	CONSTRUCT SLUDGE CONTAINMENT BASIN PER THE PLAN VIEW ILLUSTRATED ON PLAN SHEET 4, CONSTRUCTION KEYNOTES 12 AND 14 ON PLAN SHEET 4 AND SECTION A – A ON PLAN SHEET 34. THIS ITEM INCLUDES THE INSTALLATION OF THE 60 MIL HDPE LINER WITHIN THE SLUDGE CONTAINMENT BASIN. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$380,000.00
13	CONSTRUCT THE ALL WEATHER ACCESS ROAD PER THE PLAN VIEW ILLUSTRATED ON PLAN SHEET 4 AND PLAN SHEET 15, DEMOLITION KEYNOTES 2 AND 3 ON PLAN SHEET 4, CONSTRUCTION KEYNOTE 13 ON PLAN SHEET 4, CONSTRUCTION KEYNOTE 15 ON PLAN SHEET 15 AND SECTION B-B ON PLAN SHEET 45. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	TON	\$70.00	3181	\$222,670.00

14	COMPLETE EXCAVATION, EARTHWORK AND GRADING FOR THE EMERGENCY WASTEWATER POND PER CONSTRUCTION KEYNOTES 15 AND 17 ON PLAN SHEET 4 AND SECTIONS C-C AND D-D ON PLAN SHEET 46. INCLUDE THE REMOVAL OF THE EXISTING CHAIN LINK FENCE PER CONSTRUCTION KEYNOTE 18 ON PLAN SHEET 4. INCLUDE REMOVAL AND DISPOSAL OF VEGETATION IN EMERGENCY WASTEWATER POND PER DEMOLITION KEYNOTE 4 ON PLAN SHEET 4 PRIOR TO COMMENCING EXCAVATION ACTIVITIES. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$350,000.00
15	REMOVE EXISTING SIX (6) FLOATING AERATORS FROM THE AERATION PONDS AND INSTALL SIX (6) NEW FLOATING AERATORS. INSTALL NEW FLOATING AERATORS PER CONSTRUCTION KEYNOTE 19 ON PLAN SHEET 4. THE EXISTING AERATOR MOORING POSTS ARE TO REMAIN IN PLACE AT AERATION PONDS 2 AND 3 PER EXISTING KEYNOTE 48 ON PLAN SHEET 4. FOUR (4) NEW AERATOR MOORING POSTS ARE TO BE INSTALLED IN AERATION POND NUMBER 1 PER CONSTRUCTION KEYNOTE 23. THE MOORING POSTS ARE TO BE CONSTRUCTED PER DETAIL RR ON PLAN SHEET 35. ALL NEW FLOATING AERATORS SHALL BE SUPPLIED WITH NEW STAINLESS STEEL CABLE PER CONSTRUCTION KEYNOTES 21 AND 22 ON PLAN SHEET 4 AND NEW CONNECTION FITTINGS PER KEYNOTES 3, 4, 5, 6, 7 AND 8 OF DETAIL RR ON PLAN SHEET 35. THIS ITEM DOES NOT INCLUDE THE REPLACEMENT OF THE AERATOR FIELD CONTROL STATIONS. SEE EXISTING KEYNOTE 49 ON PLAN SHEET 4 FOR THE AERATOR FIELD CONTROL STATION LOCATIONS. NEW AERATOR FIELD CONTROL STATIONS WILL BE REQUIRED TO BE COMPLETED WITH THE PROJECT ELECTRICAL WORK AND WILL BE INCLUDED IN A SEPARATE ELECTRICAL WORK BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$170,000.00
16	INSTALL NEW WASTEWATER TREATMENT PLANT AUTOMATICALLY OPERATED FRONT ENTRANCE GATE PER CONSTRUCTION KEYNOTE 20 ON PLAN SHEET 4 AND DETAIL PP ON PLAN SHEET 35. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$12,000.00

17	<p>INSTALL A FORCE MAIN PIPING CONNECTION TO THE EXISTING 6 INCH RAW WASTEWATER FORCE MAIN DOWNSTREAM OF THE WASTEWATER INFLUENT PUMP STATION PER CONSTRUCTION KEYNOTE 24 ON PLAN SHEET 4 AND DETAIL SS ON PLAN SHEET 46. INSTALL A NEW 6 INCH RAW WASTEWATER FORCE MAIN BY-PASS PIPELINE INCLUDING A 6 INCH – 45 DEGREE DUCTILE IRON ELBOW FROM THE FORCE MAIN PIPING CONNECTION TO THE WASTEWATER EMERGENCY STORAGE BASIN PER CONSTRUCTION KEYNOTES 28 AND 29 ON PLAN SHEET 4. INSTALL A NEW 6 INCH FLANGED COUPLING ADAPTER AND NEW 6 INCH FLAPPER VALVE AT THE TERMINATION POINT OF THE 6 INCH RAW WASTEWATER FORCE MAIN AT THE WASTEWATER EMERGENCY STORAGE BASIN. COMPLETE THIS WORK INCLUDING THE BYPASSING OF WASTEWATER FLOW AND COMPLETION OF OTHER BID ITEMS IN ACCORDANCE WITH SPECIAL CONDITION SECTION 3.1.4.2. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$65,000.00
18	<p>INSTALL TWO (2) – 12 INCH 45 DEGREE DUCTILE IRON ELBOWS AND 50 FEET OF 12 INCH PVC PIPELINE SECTIONS TO LOWER AND REORIENT THE EXISTING 12 INCH WASTEWATER INFLUENT PUMP STATION OVERFLOW PIPELINE ENTERING THE EMERGENCY BY-PASS BASIN PER CONSTRUCTION KEYNOTE 27 ON PLAN SHEET 4. INSTALL PVC COUPLINGS OR DUCTILE IRON TRANSITION COUPLINGS, AS REQUIRED, TO EXTEND THE NEW 12 INCH PVC OVERFLOW PIPELINE SECTION. INSTALL A NEW DUCTILE IRON FLANGED COUPLING ADAPTER AND 12 INCH FLAPPER VALVE AT THE 12 INCH PVC PIPELINE EXTENSION TERMINATION POINT. COMPLETE THIS WORK INCLUDING THE BYPASSING OF WASTEWATER FLOW AND COMPLETION OF OTHER BID ITEMS IN ACCORDANCE WITH SPECIAL CONDITION SECTION 3.1.4.2. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$11,000.00
19	<p>INSTALL ROCK COBLE DISSIPATION MATERIAL AT THE TERMINATION OF THE 6 INCH RAW WASTEWATER FORCE MAIN BY-PASS PIPELINE AND THE 12 INCH WASTEWATER INFLUENT PUMP STATION OVERFLOW PIPELINE PER CONSTRUCTION KEYNOTE 25 ON PLAN SHEET 4. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$2,500.00
20	<p>INSTALL PCC PUMP SUMP IN THE EMERGENCY BYPASS BASIN PER “CALLOUT” NOTE ON PLAN SHEET 4 AND DETAIL YY ON PLAN SHEET 46. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$6,800.00
21	<p>INSTALL ACCESS ROAD PER CONSTRUCTION KEYNOTE 32 ON PLAN SHEET 4. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$68,800.00

22	INSTALL CLASS 2 BASE PAD FOR THE CONSTRUCTION TRAILER AND CONSTRUCTION PARKING PER CONSTRUCTION KEYNOTE 33 ON PLAN SHEET 4. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	TON	\$70.00	288	\$20,160.00
23	INSTALL CLASS 2 BASE PARKING LOT AREA SOUTH OF THE EXISTING LABORATORY CONTROL BUILDING PER CONSTRUCTION KEYNOTE 34 ON PLAN SHEET 4. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	TON	\$70.00	170	\$11,900.00
24	INSTALL MONUMENT WELL ENCLOSURES FOR THE EXISTING PIEZOMETERS AT THE EXISTING NILAND WASTEWATER TREATMENT PLANT PER CONSTRUCTION KEYNOTE 35 ON PLAN SHEET 4 AND DETAIL WW ON PLAN SHEET 43. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	EACH	\$1,800.00	10	\$18,000.00
25	INSTALL MONUMENT WELL ENCLOSURES FOR THE EXISTING PERFORATED PIPELINE CLEANOUTS AT THE EXISTING NILAND WASTEWATER TREATMENT PLANT PER CONSTRUCTION KEYNOTE 36 ON PLAN SHEET 4 AND DETAIL XX ON PLAN SHEET 43. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	EACH	\$1,800.00	11	\$19,800.00
26	REMOVE AND REPLACE EXISTING VALVE NUMBERS 6 AND 7 UPSTREAM OF AERATION POND NUMBER 1 PER CONSTRUCTION KEYNOTE 16 AND PIPELINE CONNECTION DETAIL ZZ ON PLAN SHEET 45. INSTALL 6 INCH INSERT VALVE PER CONSTRUCTION KEYNOTE 37 ON PLAN SHEET 4. INSTALL 12 INCH INSERT VALVE PER CONSTRUCTION KEYNOTE 38 ON PLAN SHEET 4 AND DETAIL AAA ON PLAN SHEET 45. COMPLETE THIS WORK INCLUDING THE BYPASSING OF WASTEWATER AND GROUNDWATER FLOWS AND COMPLETION OF OTHER BID ITEMS AND ALL OTHER REQUIREMENTS IN ACCORDANCE WITH SPECIAL CONDITION SECTION 3.1.4.2. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$42,000.00
27	REMOVE AND REPLACE EXISTING VALVES 10, 11, 12, 13, 14, 15 AND 22 AND NEW VALVE NUMBER 21 IN THE AERATION POND AREA AS ILLUSTRATED ON PLAN SHEET 4. THE INSTALLATION OF THE VALVES SHALL BE ACCOMPLISHED IN CONFORMANCE WITH DETAILS AAA, BBB, CCC, DDD AND EEE ILLUSTRATED ON PLAN SHEET 45 AS "CALLED OUT" ON PLAN SHEET 4. THE BYPASSING OF WASTEWATER AND GROUNDWATER FLOWS AND ALL OTHER ADDITIONAL WORK REQUIRED BY SPECIAL CONDITION SECTION 3.1.4.3 SHALL BE INCLUDED IN THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$140,000.00

28	COMPLETE REPAIR OF AERATION POND NUMBER 2 AND 3 HDPE LINEAR FAILURE AREAS PER CONSTRUCTION KEYNOTE 1 ON PLAN SHEET 31 AND THE LINER "CALL OUTS" ON PLAN SHEET 31. THE EXISTING LINER MATERIAL IS 60 MIL HDPE. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	----	----	\$45,000.00
29	COMPLETE IMPROVEMENTS TO AERATION POND NUMBER 1 INCLUDING BUT NOT LIMITED TO THE DRAINING OF POND NUMBER 1 AND THE BYPASSING OF WASTEWATER AND GROUNDWATER FLOWS, REMOVAL AND REPLACEMENT OF A PORTION OF THE NORTH AERATION POND NUMBER 1 EMBANKMENT TO ACCESS THE AERATION POND INTERIOR SIDESLOPES AND BOTTOM, THE REMOVAL OF SLUDGE FROM AERATION POND 1 AND PLACEMENT OF THE SLUDGE IN THE SLUDGE CONTAINMENT BASIN, THE REMOVAL OF THE EXISTING HDPE LINER, THE GRADING OF THE AERATION POND NUMBER 1 BOTTOM AND SIDE SLOPES AFTER THE EXISTING HDPE LINER REMOVAL AND DISPOSAL, THE INSTALLATION OF NEW HDPE LINER IN AERATION POND NUMBER 1, COORDINATING AND ASSISTING WITH THE REMOVAL OF EXISTING AERATORS AND INSTALLATION OF NEW AERATORS AND ALL OTHER REQUIRED ITEMS AS REQUIRED BY PLAN SHEETS 32, 33 AND 34 AND SPECIAL CONDITIONS SECTION 3.1.4.4. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$290,000.00
30	COMPLETE GEOTECHNICAL TESTING WITHIN THE PROPERTY BOUNDARIES OF THE EXISTING WASTEWATER TREATMENT PLANT AS ILLUSTRATED ON PLAN SHEET 4 FOR ALL WASTEWATER FACILITY IMPROVEMENTS AS INCLUDED IN THE EARTHWORK TECHNICAL SPECIFICATION SECTION 02200. ALL EXISTING WASTEWATER TREATMENT PLANT COMPACTION TESTS AS REQUIRED BY TECHNICAL SPECIFICATION SECTIONS 02200-3.10 AND 02200-3.11 ARE INCLUDED IN THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$38,000.00
31	COMPLETE SURVEY AND CONSTRUCTION STAKING WORK WITHIN THE PROPERTY BOUNDARIES OF THE EXISTING WASTEWATER TREATMENT PLANT, AS ILLUSTRATED ON PLAN SHEET 4, FOR ALL WASTEWATER FACILITY IMPROVEMENTS AS INCLUDED IN TECHNICAL SPECIFICATION SECTION 01722 INCLUDING SECTION 01722.2.01. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT ACCORDANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	-----	\$32,000.00

32	<p>COMPLETE ELECTRICAL WORK REQUIRED AT THE EXISTING NILAND WASTEWATER TREATMENT PLANT PER ELECTRICAL PLAN SHEETS 48, 49 AND 50 EXCEPT THAT THE INSTALLATION OF THE EVAPORATION/INFILTRATION POND PUMP STATION MOTOR CONTROL CENTER AND ELECTRICAL CIRCUITRY, CAST IRON JUNCTION BOXES AND OTHER ELECTRICAL RELATED ITEMS FROM THE SUBMERSIBLE PUMPS TO THE MOTOR CONTROL CENTER ARE INCLUDED IN BID ITEM 33. THE ELECTRICAL WORK ASSOCIATED WITH THE REMOVAL AND INSTALLATION OF THE AERATORS IN AERATION PONDS 1, 2 AND 3 PER CONSTRUCTION KEYNOTES 19, 21, 22 AND 23 ON PLAN SHEET 4 ARE INCLUDED IN THE ELECTRICAL SCOPE OF WORK. THE INSTALLATION OF THE CHAIN LINK FENCE AUTOMATIC GATE OPENER AND ELECTRICAL CIRCUITRY PER CONSTRUCTION KEYNOTE 20 ON PLAN SHEET 4 AND DETAIL PP ON PLAN SHEET 35 ARE INCLUDED IN THE ELECTRICAL SCOPE OF WORK. THE INSTALLATION OF THE LIGHT ASSEMBLY AND FIXTURES, LIGHT POLES AND PCC LIGHT PEDESTALS PER CONSTRUCTION KEYNOTE 10 ON PLAN SHEET 6 AND DETAIL O ON PLAN SHEET 35 ARE INCLUDED IN THE ELECTRICAL SCOPE OF WORK. THE INSTALLATION OF ELECTRICAL RECEPTACLES AT THE CHEMICAL FACILITIES PER CONSTRUCTION KEYNOTE 17 ON PLAN SHEET 9 ARE INCLUDED IN THE ELECTRICAL SCOPE OF WORK. THE INSTALLATION OF THE FLASH MIXER ELECTRICAL CIRCUITRY, REPLACEMENT OF ELECTRICAL RECEPTACLES AND OTHER MISCELLANEOUS ELECTRICAL ITEMS PER KEYNOTES 7, 8, 10, 22 AND 25 ON PLAN SHEET 7 AND FLASH MIXER DETAIL U ON PLAN SHEET 8 ARE INCLUDED IN THE ELECTRICAL SCOPE OF WORK. INSTALLING AN ELECTRICAL SERVICE PANEL, ELECTRICAL CIRCUITRY, DISCONNECT SWITCH AND ALL OTHER REQUIRED ELECTRICAL WORK FOR THE CONSTRUCTION JOB SITE TRAILER IS INCLUDED IN THE ELECTRICAL SCOPE OF WORK. THE INSTALLATION OF THE RECEPTACLE AND AIR CONDITIONING UNIT AND ASSOCIATED ELECTRICAL CIRCUITRY PER POTABLE WATER PIPING CONSTRUCTION KEYNOTES 16 AND 17 ARE NOT INCLUDED IN THIS ELECTRICAL SCOPE OF WORK BID ITEM. COMPLETION OF ALL OTHER ELECTRICAL CIRCUITRY AND COMPONENTS FOR THE POTABLE WATER WATER SYSTEM PER PLAN SHEETS 48, 49 AND 50 ARE NOT INCLUDED IN THIS ELECTRICAL SCOPE OF WORK BID ITEM. COMPLETE ALL OTHER ELECTRICAL WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).</p>	LUMP SUM	-----	-----	\$185,000.00
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33	<p>INSTALL EVAPORATION/INFILTRATION POND PUMP STATION IN CONFORMANCE WITH PLAN SHEETS 4, 24, 25, 48, 49 AND 50 INCLUDING BUT NOT LIMITED TO THE EXCAVATION FOR THE PUMP STATION; DEWATERING FOR THE PUMP STATION CONSTRUCTION; INSTALLATION OF THE PUMP STATION STRUCTURE, ROCK SUBBASE AND FABRIC; COATING ON THE INSIDE OF THE PUMP STATION STRUCTURE; WATER PROOFING ON THE OUTSIDE OF THE PUMP STATION STRUCTURE; BACKFILLING OF THE STRUCTURE; INSTALLATION OF THE ACCESS ROADWAY AND CLASS 2 BASE SIDESLOPE AND CLASS 2 BASE AREA SURROUNDING THE PUMP STATION PCC SURFACE SLAB; PCC SURFACE SLAB; PUMP STATION DISCHARGE PIPING, VALVES, CHECK VALVES, AIR RELEASE VALVES, PIPE SUPPORTS, VENT PIPELINE AND FITTINGS TO THE TRUE WYE FITTING DOWNSTREAM FLANGE; PUMP MECHANICAL ITEMS INCLUDING THE PUMP, SLIDE RAILS AND PUMP PEDESTALS; ELECTRICAL CAST IRON JUNCTION BOXES, MERCURY FLOAT SWITCHES, ELECTRICAL CONDUITS, CONDUCTORS, PUMP STATION MOTOR CONTROL CENTER, PUMP DAVIT CRANE PER PLAN SHEET 4, AND ALL OTHER ITEMS ON PLAN SHEETS 4, 24, 25, 48, 49 AND 50 INCLUDING DETAILS AND SECTIONS RELATED TO PLAN SHEETS 24 AND 25 ON OTHER PLAN SHEETS EXCEPT; IT DOES NOT INCLUDE THE ELECTRICAL POWER OR CONTROL CIRCUITRY FROM THE PUMP STATION CONTROL PANEL TO THE EXISTING LABORATORY CONTROL BUILDING, THE 12 INCH DIAMETER EFFLUENT PIPELINE FROM A POINT DOWNSTREAM OF THE EXISTING FLOWMETER VAULT TO THE PUMP STATION WET WELL, 12 INCH EFFLUENT PIPELINE WET WELL PIPE PENETRATION, THE 8 INCH DIAMETER EMERGENCY OVERFLOW PIPELINE AND THE ASSOCIATED PUMP STATION WET WELL PIPE PENETRATION, THE 2 INCH WATER PIPELINE AND WATER FAUCET, AND THE 6 INCH PUMP STATION DISCHARGE FORCE MAIN DOWNSTREAM OF THE TRUE WYE FITTING. COMPLETE THE EVAPORATION/INFILTRATION POND PUMP STATION IMPROVEMENTS IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$610,000.00
34	<p>CLEAR AND GRUB EXISTING EVAPORATION/INFILTRATION POND AREA AND REMOVE AND DISPOSE OF CANAL LINING REMNANTS PER DEMOLITION KEYNOTES 1 AND 3 ON PLAN SHEET 14. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$25,000.00
35	<p>SAWCUT AND PLUG EXISTING UNDERGROUND AGRICULTURAL TILE PIPELINES PER DEMOLITION KEYNOTE 2 ON PLAN SHEET 14. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).</p>	LUMP SUM	----	----	\$16,000.00
36	<p>INSTALL MONUMENT WELL ENCLOSURES OVER THE EXISTING PIEZOMETERS IN THE EVAPORATION/INFILTRATION POND PROJECT SITE PER PIEZOMETER KEYNOTE 1 ON PLAN SHEET 14 AND DETAIL WW ON PLAN SHEET 43. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).</p>	EACH	\$1,800.00	9	\$16,200.00

37	CONSTRUCT EVAPORATION/INFILTRATION PONDS 1 THROUGH 3 INCLUDING THE AREA BETWEEN THE EXTERIOR TOE OF SLOPES OF THE EVAPORATION/INFILTRATION PONDS 1 THROUGH 3 AND THE LIMITS OF CONSTRUCTION PER CONSTRUCTION KEYNOTES 1, 3 AND 4 AND OTHER NOTES ON PLAN SHEETS 15, 16 AND 17; AND SECTIONS S-S ON PLAN SHEET 18, T-T AND U-U ON PLAN SHEET 19 AND V-V ON PLAN SHEET 20. COMPLETE THE WORK OF THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$1,350,000.00
38	RECONSTRUCT THE SOUTH SLOPE OF THE IID NATIVE EARTH "R" LATERAL ACCESS ROAD PER CONSTRUCTION KEYNOTE 2 ON PLAN SHEETS 15, 16 AND 17 AND SECTIONS T-T AND U-U ON PLAN SHEET 19 AND SECTION V-V ON PLAN SHEET 20. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$44,000.00
39	INSTALL PCC STAND PIPE AND CLASS 2 BASE AREA AROUND THE PCC STANDPIPE PER CONSTRUCTION KEYNOTES 5 AND 11 ON PLAN SHEET 15 AND DETAIL AA ON PLAN SHEET 26. THE 6 INCH FORCE MAIN INLET PIPING PER DETAIL AA ON PLAN SHEET 26 IS INCLUDED WITH BID ITEM 7. THE 8 INCH PIPE PENETRATION DETAIL AA KEYNOTE 13 AND THE 8 INCH EFFLUENT HEADER PIPELINE PER DETAIL AA KEYNOTE 12 ARE INCLUDED WITH BID ITEM 40. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$38,000.00
40	CONSTRUCT 8 INCH DIAMETER EFFLUENT HEADER PIPELINE AND EVAPORATION POND INLET PIPING PER KEYNOTES 6, 7, AND 8 ON PLAN SHEETS 15, 16 AND 17 AND SECTION WW ON PLAN SHEET 20. COMPLETE AIR TESTING OF THE EFFLUENT HEADER PIPELINE AND INLET PIPELINES IN CONFORMANCE WITH TECHNICAL SPECIFICATION SECTION 02666-3.03. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$115,000.00
41	CONSTRUCT PCC OUTLET STRUCTURES FROM PIPELINES EXTENDING INTO PONDS 1, 2 AND 3 PER KEYNOTE 9 ON PLAN SHEETS 15, 16 AND 17 AND DETAIL BB ON PLAN SHEET 26. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$42,000.00
42	INSTALL 3 INCH COBLE DISSIPATION MATERIAL AT THE PCC OUTLET STRUCTURES AT PONDS 1, 2 AND 3 PER CONSTRUCTION KEYNOTE 10 ON PLAN SHEETS 15, 16 AND 17 AND DETAIL BB ON PLAN SHEET 26 AND DETAILS U-U AND V-V ON PLAN SHEET 42. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$14,000.00

43	CONSTRUCT NEW EARTH BERM ALONG THE SOUTH AND WEST EVAPORATION/INFILTRATION POND BOUNDARIES PER CONSTRUCTION KEYNOTE 14 ON PLAN SHEETS 15, 16 AND 17 AND DETAIL II ON PLAN SHEET 27. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$19,800.00
44	CONSTRUCT RETENTION BASIN AT THE SOUTHWEST CORNER OF THE EVAPORATION/INFILTRATION PONDS PER CONSTRUCTION KEYNOTE 17 ON PLAN SHEET 17. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$38,000.00
45	CONSTRUCT NEW 6 FOOT CHAIN LINK FENCE PER CONSTRUCTION KEYNOTE 16 ON PLAN SHEETS 15, 16 AND 17; CONSTRUCTION KEYNOTE 1 ON SHEET 28, DETAIL II ON PLAN SHEET 27 AND PLAN FENCING DETAIL SHEET 29. THE DEMOLITION OF EXISTING CHAIN LINK FENCE PER DEMOLITION KEYNOTE 1 ON PLAN SHEET 28 IS INCLUDED WITH THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	L.F.	\$48.00	6,803	\$326,544.00
46	CONSTRUCT NEW 25 FOOT WIDE CHAIN LINK FENCE ACCESS GATES PER CONSTRUCTION KEYNOTE 2 ON PLAN SHEET 28 AND FENCING DETAIL SHEET 29. THE INSTALLATION OF THE 20 FOOT WIDE CHAIN LINK FENCE AUTOMATICALLY OPERATED ACCESS GATE IS INCLUDED IN BID ITEM 16. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	EACH	\$5,000.00	3	\$15,000.00
47	COMPLETE GEOTECHNICAL TESTING WITHIN THE EVAPORATION/INFILTRATION POND LIMITS OF CONSTRUCTION FOR ALL EVAPORATION/INFILTRATION POND IMPROVEMENTS AS INCLUDED IN THE EARTHWORK TECHNICAL SPECIFICATION SECTION 02200. ALL EXISTING EVAPORATION/INFILTRATION POND COMPACTION TESTS AS REQUIRED BY TECHNICAL SPECIFICATION SECTIONS 02200-3.10 AND 02200-3.11 ARE INCLUDED IN THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$58,000.00
48	COMPLETE SURVEY AND CONSTRUCTION STAKING WITHIN THE EVAPORATION/INFILTRATION POND LIMITS OF CONSTRUCTION AS INCLUDED IN TECHNICAL SPECIFICATION SECTION 01722 INCLUDING SECTION 01722.2.01. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT ACCORDANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$49,000.00
49	COMPLETE EROSION CONTROL PLAN REQUIREMENTS PER PLAN SHEETS 36, 37 AND 38. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$36,000.00

50	INSTALL CURED-IN-PLACE PIPE (CIPP) MATERIAL WITHIN EXISTING WASTEWATER OUTFALL PIPELINE ALONG ALCOTT ROAD FROM THE NILAND WASTEWATER TREATMENT PLANT TO HIGHWAY 111 PER CONSTRUCTION KEYNOTE 2 ON PLAN SHEET 39 AND TECHNICAL SPECIFICATION 02737. CONNECTION OF EXISTING SANITARY SEWER LATERALS TO THE WASTEWATER OUTFALL PIPELINE IS INCLUDED WITH THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	L.F.	\$95.00	2,459	\$233,605.00
51	REHABILITATE MANHOLES ALONG ALCOTT ROAD FROM THE NILAND WASTEWATER TREATMENT PLANT TO HIGHWAY 111 PER CONSTRUCTION KEYNOTE 1 ON PLAN SHEET 39 AND DETAIL QQ ON PLAN SHEET 40. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	EACH	\$18,000.00	6	\$108,000.00
52	COMPLETE TRAFFIC CONTROL FOR THE INSTALLATION OF SANITARY SEWER PIPELINE CIPP MATERIAL AND MANHOLE REHABILITATION ALONG ALCOTT ROAD FROM THE NILAND WASTEWATER TREATMENT PLANT TO HIGHWAY 111 PER PLAN SHEET 41, THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$18,500.00
53	INSTALL CURED-IN-PLACE PIPE (CIPP) MATERIAL WITHIN EXISTING WASTEWATER OUTFALL PIPELINE EAST OF THE EAST STATE HIGHWAY 111 ROAD SHOULDER FROM THE ALCOTT ROAD TO A POINT NORTH OF NOFFSINGER ROAD PER CONSTRUCTION KEYNOTE 3 ON CALTRANS PLAN SHEETS 2, 3 AND 4 AND TECHNICAL SPECIFICATION 02737. CONNECTION OF EXISTING SANITARY SEWER LATERALS TO THE WASTEWATER OUTFALL PIPELINE IS INCLUDED WITH THIS BID ITEM. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF CALTRANS PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	L.F.	\$95.00	3,025	\$287,375.00

54	REHABILITATE MANHOLES EAST OF THE EAST STATE HIGHWAY 111 ROAD SHOULDER FROM THE ALCOTT ROAD TO A POINT NORTH OF NOFFSINGER ROAD AND ALSO AT A MANHOLE ON THE WEST SIDE OF HIGHWAY 111 NORTH OF NOFFSINGER ROAD PER CONSTRUCTION KEYNOTE 1 ON CALTRANS PLAN SHEETS 2, 3 AND 4 AND DETAIL B ON PLAN SHEET 5. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF CALTRANS PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	EACH	\$18,000.00	11	\$198,000.00
55	INSTALL A SANITARY SEWER PIPELINE REPLACEMENT SECTION EAST OF HIGHWAY 111 IN ALCOTT ROAD IN CALTRANS RIGHT OF WAY PER CONSTRUCTION KEYNOTE 2 ON CALTRANS PLAN SHEET 3 AND TRENCH DETAIL A ON CALTRANS PLAN SHEET 5. THIS BID ITEM INCLUDES GEOTECHNICAL TESTING INCLUDING COMPACTION TESTING PER TECHNICAL SPECIFICATION SECTION 02200 INCLUDING SECTIONS 02200.3.10 AND 02200.3.11. COMPLETE THE WORK FOR THIS BID ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF CALTRANS PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS, AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$17,500.00
56	COMPLETE TRAFFIC CONTROL FOR THE INSTALLATION OF SANITARY SEWER PIPELINE CIPP MATERIAL AND MANHOLE REHABILITATION EAST OF THE EAST ROAD SHOULDER OF HIGHWAY 111 FROM ALCOTT ROAD TO A POINT NORTH OF NOFFSINGER ROAD AND FOR THE SANITARY SEWER REPLACEMENT SECTION EAST OF HIGHWAY 111 IN ALCOTT ROAD. COMPLETE TRAFFIC CONTROL PER CALTRANS PLAN SHEETS 6 AND 7, THE ENTIRE SET OF CALTRANS PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$38,500.00
57	COMPLETE EROSION CONTROL REQUIREMENTS EAST OF THE EAST ROAD SHOULDER OF HIGHWAY 111 FROM ALCOTT ROAD TO A POINT NORTH OF NOFFSINGER ROAD IN ACCORDANCE WITH CALTRANS PLAN SHEET 8, THE ENTIRE SET OF CALTRANS PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).	LUMP SUM	-----	----	\$19,000.00
TOTAL COST OF ITEMS 1 - 57					\$7,322,454.00

ADDITIVE ALTERNATES

1. ADDITIVE ALTERNATE NUMBER 1 - CONSTRUCT POTABLE WATER SYSTEM AT THE EXISTING WASTEWATER TREATMENT PLANT PER PLAN SHEETS 4 AND 5 AND ELECTRICAL PLAN SHEETS 48, 49 AND 50. INCLUDE THE INSTALLATION OF A NEW 2-INCH SCHEDULE 80 PVC PIPELINE SECTION FROM THE POTABLE WATER SYSTEM TO THE EXISTING WASTEWATER TREATMENT PLANT 2-INCH WATER PIPELINE SYSTEM PER KEYNOTE 30 ON PLAN SHEET 4. INCLUDE THE INSTALLATION OF THE RECEPTACLE AND AIR CONDITIONING UNIT AND ASSOATED ELECTRICAL CIRCUITRY PER POTABLE WATER PIPING CONSTRUCTION KEYNOTES 16 AND 17. INCLUDE COMPLETION OF ALL OTHER POTABLE WATER SYSTEM ELECTRICAL WORK PER ELECTRICAL PLAN SHEETS 48, 49 AND 50. COMPLETE THE WORK FOR THIS ADDITIVE ALTERNATE NUMBER 1 ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).

2. ADDITIVE ALTERNATE NUMBER 2 – CONSTRUCT 30-INCH DIAMETER AGRICULTURAL LATERAL PIPELINE, DRAINAGE AND IRRIGATION STRUCTURES, MANHOLE AND ALL OTHER AGRICULTURAL LATERAL PIPELINE ITEMS PER PLAN SHEETS 15 AND 30. COMPLETE THE WORK FOR THIS ADDITIVE ALTERNATE NUMBER 2 ITEM IN STRICT CONFORMANCE WITH THE ENTIRE SET OF PLANS, TECHNICAL SPECIFICATIONS, SPECIAL CONDITIONS AND ANY ADDENDUM(A).

1	ADDITIVE ALTERNATE 1 PER ABOVE DESCRIPTION	LUMP SUM	-----	----	\$390,000.00
2	ADDITIVE ALTERNATE 2 PER ABOVE DESCRIPTION	LUMP SUM	-----	----	\$760,000.00

TOTAL FOR COMPARISON

I. BASE BID

1. MOBILIZATION - BID SCHEDULE ITEM 1	\$580,000.00
2. WASTEWATER TREATMENT PLANT IMPROVEMENTS - BID SCHEDULE ITEM NUMBERS 2 THROUGH 32	\$3,009,430.00
3. EVAPORATION/INFILTRATION POND IMPROVEMENTS - BID SCHEDULE ITEM NUMBERS 33 THROUGH 49	\$2,812,544.00
4. SANITARY SEWER COLLECTION SYSTEM IMPROVEMENTS ALONG ALCOTT ROAD FROM THE NILAND WASTEWATER TREATMENT PLANT TO HIGHWAY 111 – BID SCHEDULE ITEM NUMBERS 50 THROUGH 52	\$360,105.00
5. SANITARY SEWER COLLECTION SYSTEM IMPROVEMENTS ALONG HIGHWAY 111 FROM ALCOTT ROAD TO NOFFSINGER ROAD – BID SCHEDULE ITEM NUMBERS 53 THROUGH 57	\$560,375.00

TOTAL BASE BID - ITEMS 1 THROUGH 5 **\$7,322,454.00**

II. ADDITIVE ALTERNATIVE NUMBER 1 **\$390,000**

III. ADDITIVE ALTERNATIVE NUMBER 2 **\$760,000**

IV. TOTAL BASE BID PLUS ALTERNATE NUMBER 1 **\$7,712,454.00**

V. TOTAL BASE BID PLUS ALTERNATE NUMBER 2 **\$8,082,454.00**

VI. TOTAL BASE BID PLUS ALTERNATE NUMBER 1 AND ALTERNATE NUMBER 2 **\$8,472,454.00**

NOTE: THE AWARD OF CONTRACT WILL BE BASED ON THE LOWEST, RESPONSIVE, RESPONSIBLE **TOTAL BASE BID**