INSTALL STANDARD DECK, TYPICAL.

INSTALL HIGH DENSITY POLYETHYLENE NETTING TO COVER ENTIRE PERIMETER OF THE CLARIFIER/FILTER UNIT.

INSTALL STANDARD BEAM PER DRAWINGS.

INSTALL CONTINUOUS CLIP ANGLE, TYPICAL.

INSTALL RAKE FLASHING, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL 6' DIA. SELF-TAPPING ANCHOR SCREWS.

INSTALL 1 FOOT OF ANSI/ASME B36.10M, COMPANY SPECIFIC MATERIAL MADE TO NO LESS THAN 90% OF MAXIMUM STRENGTH PER ASME B36.10M. INSTALL ADJUSTABLE BOLT TO BE CONNECTED WITH NUT AND WASHER.

FOOTING DETAIL TO BE DESIGNED IN THE CONTRACTOR AS STATED IN THE SHOP DRAWINGS.

INSTALL STANDARD BEAM PER DRAWINGS.

INSTALL STANDARD BEAM PER DRAWINGS.

INSTALL 12'-0" MIN INSTALLATION OF METAL BUILDING ROOF DECK, TYPICAL.

INSTALL 12'-0" MIN INSTALLATION OF METAL BUILDING ROOF DECK, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL 65' MIN INSTALLATION OF METAL BUILDING ROOF DECK, TYPICAL.

INSTALL 65' MIN INSTALLATION OF METAL BUILDING ROOF DECK, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.

INSTALL 4" X 5" GUTTER STRAPS, TYPICAL.

INSTALL STEEL RIGID FRAME COLUMN, TYPICAL.
EXISTING HANDRAIL TO REMAIN.

EXISTING KEYNOTES

1. EXISTING 8-INCH DIAMETER DN. SLANGED 45 DEGREE ELBOW TO REMAIN.
2. EXISTING 8-INCH DIAMETER DN. SLANGED SPOOL TO REMAIN.
3. EXISTING DN. 8-INCH DIAMETER GLOBE SILENT CHECK VALVE TO REMAIN.
4. EXISTING DN. 8-INCH DIAMETER PIPE MATERIAL TO REMAIN.
5. EXISTING FILTERED WATER TRANSFER PUMP MOTOR TO BE REPLACED PER TECHNICAL SPECIFICATIONS SECTIONS 15380 AND 16904.
6. EXISTING HANDRAIL TO REMAIN.

CONSTRUCTION KEYNOTES

1. EXISTING FINISH WATER TRANSFER PUMP MOTOR TO BE REPLACED PER TECHNICAL SPECIFICATIONS SECTIONS 15380 AND 16904. MOTOR TO BE INSTALLED WITH THERMAL SWITCH.
EXISTING RENOVATIONS

1. EXISTING 36 INCH DIAMETER ACCESS MANHOLE AND BUMP.
2. EXISTING ROOF HATCH AND INTERIOR LADDER.
3. EXISTING 18 INCH DIAMETER ACCESS MANHOLE AND BUMP.
4. EXISTING 12 INCH DIAMETER RESERVOIR MICROWAVE PIPELINE TO REMAIN.
5. EXISTING LEVEL GAUGE.
6. EXISTING 12 INCH DIAMETER RESERVOIR BUMPER TO REMAIN.
7. EXISTING 16 INCH DIAMETER RESERVOIR OUTLET PIPELINE.
8. EXISTING 12 INCH DIAMETER RESERVOIR OUTLET PIPELINE.
9. EXISTING PRESSURE TRANSMITTER MOUNTING ON 1 INCH.
10. EXISTING SUMP.
11. EXISTING 36 INCH DIAMETER CLEAN OUT ACCESS MANHOLE.
12. EXISTING ROOF HATCH AND INTERIOR LADDER.
13. EXISTING ROOF HATCH AND INTERIOR LADDER.

CONSTRUCTION REQUIREMENTS

1. REMOVE AND REPLACE 36 INCH DIAMETER ACCESS MANHOLE.
2. REMOVE AND REPLACE 36 INCH DIAMETER ACCESS MANHOLE.
3. REMOVE AND REPLACE 18 INCH DIAMETER RESERVOIR MANHOLE.
4. REMOVE AND REPLACE 12 INCH DIAMETER RESERVOIR MICROWAVE PIPELINE.
5. REMOVE AND REPLACE 12 INCH DIAMETER RESERVOIR OUTLET PIPELINE.
6. REMOVE AND REPLACE 16 INCH DIAMETER RESERVOIR OUTLET PIPELINE.
7. REMOVE AND REPLACE EXISTING 12 INCH DIAMETER PRESSURE TRANSMITTER.
8. REMOVE AND REPLACE EXISTING STEEL TANK WALLS.
9. INSTALL SUBMERSIBLE MIXER W/ ROOF HANGER.
10. INSTALL TTHM REMOVAL SYSTEM PER SECTION B-B AND INSTALL SUBMERSIBLE MIXER W/ ROOF HANGER.
11. INSTALL NEW 20 INCH GRAVITY VENT (FOUR TOTAL) PER DETAILS P AND Q ON PLAN SHEET 11.
12. INSTALL 1-INCH DIAMETER PIPE HANDRAIL AROUND EXISTING ROOF TO WALL STEEL SHOE SUPPORT.
13. INSTALL VARIOUS PARTS OF THE EXISTING MANHOLE'S NEOPRENE GASKET PER DETAIL A ON SHEET 9.
14. REMOVE AND REPLACE 20 INCH GRAVITY VENT (FOUR TOTAL) PER DETAIL O ON PLAN SHEET 11.
15. REPLACE EXISTING 18 INCH DIAMETER RESERVOIR INLET PIPELINE.
16. REPLACE EXISTING 12 INCH DIAMETER RESERVOIR BACKWASH PIPELINE.
17. SUBSTITUTE TANK SUMP PER SPECIFICATION SECTION 13290.
18. REPLACE EXISTING 36 INCH DIAMETER CLEAN OUT ACCESS MANHOLE.
19. REPLACE EXISTING 12 INCH DIAMETER RESERVOIR BACKWASH PIPELINE.
20. REPLACE EXISTING 18 INCH DIAMETER RESERVOIR INLET PIPELINE.
21. REPLACE EXISTING 36 INCH DIAMETER CLEAN OUT ACCESS MANHOLE.
22. REPLACE EXISTING 12 INCH DIAMETER RESERVOIR BACKWASH PIPELINE.
23. REPLACE EXISTING LEVEL GAUGE.
24. REMOVE AND REPLACE INTERIOR LADDER PER DETAIL E ON SHEET 9.
25. REPLACE EXISTING PRESSURE TRANSMITTER MOUNTING ON 1 INCH NOZZLE DURING REHABILITATION PER DETAIL J ON SHEET 10.
26. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
27. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
28. REHABILITATE EXISTING 18 INCH DIAMETER RESERVOIR INLET PIPELINE.
29. REHABILITATE EXISTING LEVEL GAUGE.
30. REMOVE AND REPLACE VARIOUS PARTS OF THE EXISTING STEEL TANK WALLS.
31. REMOVE AND REPLACE 20 INCH GRAVITY VENT (FOUR TOTAL) PER DETAIL O ON PLAN SHEET 11.
32. REPLACE EXISTING LEVEL GAUGE.
33. REMOVE AND REPLACE ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
34. REMOVE AND REPLACE 20 INCH GRAVITY VENT (FOUR TOTAL) PER DETAIL O ON PLAN SHEET 11.
35. REMOVE AND REPLACE EXISTING 36 INCH DIAMETER CLEAN OUT ACCESS MANHOLE.
36. REPLACE EXISTING PRESSURE TRANSMITTER MOUNTING ON 1 INCH NOZZLE DURING REHABILITATION PER DETAIL J ON SHEET 10.
37. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
38. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
39. REPLACE EXISTING LEVEL GAUGE.
40. REMOVE AND REPLACE VARIOUS PARTS OF THE EXISTING STEEL TANK WALLS.
41. REMOVE AND REPLACE ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
42. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
43. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
44. REPLACE EXISTING LEVEL GAUGE.
45. REMOVE AND REPLACE VARIOUS PARTS OF THE EXISTING STEEL TANK WALLS.
46. REMOVE AND REPLACE ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
47. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
48. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
49. REPLACE EXISTING LEVEL GAUGE.
50. REMOVE AND REPLACE VARIOUS PARTS OF THE EXISTING STEEL TANK WALLS.
51. REMOVE AND REPLACE ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
52. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
53. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
54. REPLACE EXISTING LEVEL GAUGE.
55. REMOVE AND REPLACE VARIOUS PARTS OF THE EXISTING STEEL TANK WALLS.
56. REMOVE AND REPLACE ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
57. REPLACE INTERIOR LADDER AND SAFETY CAGE TO REMAIN.
58. REPLACE EXISTING ROOF ACCESS HATCH NEOPRENE GASKET PER DETAIL C ON SHEET 9.
59. REPLACE EXISTING LEVEL GAUGE.
EXISTING STEEL STORAGE RESERVOIR REINFORCEMENT PLATE. ACCESS MANHOLE NEOPRENE GASKET TO BE REPLACED.

EXISTING SUMP IN FRONT OF CLEAN OUT DOOR TO REMAIN.

EXISTING RESERVOIR STEEL BOTTOM TO BE REHABILITATED PER SECTION 13290 OF THE TECHNICAL SPECIFICATIONS.

EXISTING 30-INCH DIAMETER ACCESS MANHOLE TO REMAIN.

EXISTING HANDLE TO REMAIN.

P.C.C. FOOTING

EXISTING ACCESS MANHOLE AND SUMP DETAIL

NOTE:
1. REMOVE AND DISPOSE OF ALL COMPONENTS OF THE EXISTING INTERIOR LADDER.
2. ALL STEP ROUND BARS TO PENETRATE FLAT BAR RAILING AND WELDED ON THE OUTSIDE OF FLAT BAR RAILING.
3. THE INTERIOR LADDER SHALL INCLUDE A SAFETY HARNESS RAIL.
4. ALL MATERIALS FOR THE INSIDE LADDER SHALL BE 316 STAINLESS STEEL, EXCEPT FOR THE ANGLE IRONS. INTERIOR LADDER COATED PER SECTION 13290 OF TECHNICAL SPECIFICATIONS.

GUARDRAIL

NEW INTERIOR LADDER DETAIL

NOTE:
HATCH, PLATFORM, & RAILING ARE ALL ALUMINUM CONSTRUCTION.

EXISTING 1 1/2" ALUM. PIPE BRACE TO REMAIN.

EXISTING EXTERIOR LADDER AND SAFETY CAGE TO REMAIN.

EXISTING GUARDRAIL TO REMAIN.

EXISTING 1 1/4" X 4" ALUM. TOEBOARD TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING EXTERIOR LADDER AND SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.

EXISTING 3M NON-SLIP SURFACE TAPE COVERING ENTIRE SURFACE TO REMAIN.

EXISTING SAFETY CAGE TO REMAIN.
EXISTING KEYNOTES

1. INSIDE DIAMETER: 18-INCH DUCTILE IRON PIPING SECTION

2. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED JOINT FITTING WITH 16-INCH BRANCH

3. INSIDE DIAMETER: 18-INCH DUCTILE IRON BUSHING

4. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED 90 DEGREE ELBOW WITH 16-INCH BRANCH

5. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED TRANSITION COUPLING

6. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED INTERCHANGEABLE NOZZLE WITH 16-INCH BRANCH

7. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED NOZZLE WITH 16-INCH BRANCH

8. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED BUTTERFLY VALVE WITH HANDWHEEL OPERATOR

9. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED TEE

10. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED CEMENT MORTAR LINED DUCTILE IRON

11. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE

12. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

13. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

14. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

15. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

16. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

17. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

18. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

19. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

20. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

EXISTING KEYNOTES

1. INSIDE DIAMETER: 18-INCH DUCTILE IRON PIPING SECTION

2. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED JOINT FITTING WITH 16-INCH BRANCH

3. INSIDE DIAMETER: 18-INCH DUCTILE IRON BUSHING

4. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED 90 DEGREE ELBOW WITH 16-INCH BRANCH

5. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED TRANSITION COUPLING

6. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED INTERCHANGEABLE NOZZLE WITH 16-INCH BRANCH

7. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED NOZZLE WITH 16-INCH BRANCH

8. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED BUTTERFLY VALVE WITH HANDWHEEL OPERATOR

9. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED TEE

10. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED CEMENT MORTAR LINED DUCTILE IRON

11. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE

12. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

13. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

14. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

15. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

16. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

17. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

18. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

19. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

20. INSIDE DIAMETER: 18-INCH DUCTILE IRON FLANGED PIGEON-HOLE WITH 16-INCH BRANCH

CONSTRUCTION KEYNOTES

1. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

2. INSTALL 18-INCH DIA. DI FL X FL BUTTERFLY VALVE WITH HANDWHEEL OPERATOR.

3. INSTALL 18-INCH DIA. DI STEEL REINFORCING BACKING PLATE.

4. INSTALL 18-INCH DIA. DI FL X FL BUTTERFLY VALVE WITH 316 S.S. HARDWARE.

5. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

6. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

7. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

8. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

9. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

10. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

11. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

12. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

13. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

14. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

15. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

16. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

17. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

18. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

19. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.

20. INSTALL 18-INCH DIA. DI MORTAR LINED CLASS 53 TEE.
EXISTING 1/8" TEFLON PAD TO REMAIN
EXISTING S.S. SLIP SHEET TO REMAIN
EXISTING SHOE TO REMAIN
REHABILITATE THE TANK WALL PER SECTION 13290 OF THE TECHNICAL SPECIFICATIONS
REPLACE STEEL SHOE SUPPORT (PRIME PAINTED)
REPLACE 1/2" DIA. BOLT (S.S.) (REPAIR COATING ON TANK EXTERIOR)
SPECIAL INSPECTION REQUIRED FOR SEISMIC RESISTANCE PER SECTION 1707 OF THE CBC
*TOTAL 30 STEEL SHOE SUPPORTS

NEW STEEL SHOE SUPPORT DETAIL
NOT TO SCALE

NEW VENT DETAIL
NOT TO SCALE

CONSTRUCTION KEYNOTES
1. INSTALL 5 HP, 3,000 CFM, TURBO BLOWER UNIT
2. INSTALL 15'-0" X 7'-0" X 12-INCH THICK PCC PAD. THE SLAB SHALL BE PLACED OVER 12-INCHES OF CLASS 2 BASE COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D-1557
3. INSTALL 18-INCH 24 GAUGE GALVANIZED FLAT STK. DUCT PIPE
4. INSTALL 1-1/2" X 1-1/2" ANGLE BAR GLUED TO SIDE OF TANK FOR DUCT SUPPORT PER SUBMITTAL 11.19
5. INSTALL 5 HP, 3,000 CFM, TURBO BLOWER UNIT
6. INSTALL 15'-0" X 7'-0" X 12-INCH THICK PCC PAD. THE SLAB SHALL BE PLACED OVER 12-INCHES OF CLASS 2 BASE COMPACTED TO 95% OF MAXIMUM DENSITY PER ASTM D-1557
7. INSTALL 18-INCH 24 GAUGE GALVANIZED FLAT STK. DUCT PIPE
8. INSTALL 1-1/2" X 1-1/2" ANGLE BAR GLUED TO SIDE OF TANK FOR DUCT SUPPORT PER SUBMITTAL 11.19

NEW STEEL SHOE SUPPORT DETAIL
NOT TO SCALE

NEW VENT DETAIL
NOT TO SCALE

BLOWER SLAB DETAIL
NOT TO SCALE

BLOWER PIPE SECTION
NOT TO SCALE

MARKED "X" AT NORTHWEST CORNER OF POWER SERVICE TRANSFORMER SET PCC PAD LOCATED NEAR NORTHEAST CORNER OF EXISTING OPERATIONS BUILDING ELEVATION = 986.02
CONSTRUCTION KEYNOTES

1. INSTALL 2 INCH DIAMETER TYPE K COPPER WATER SERVICE PIPE.

2. INSTALL A JAMES JONES J-996 DOUBLE FLAT SILICON BRONZE STOP.

3. INSTALL A J - 1935SG OR MUELLER H15203 BRONZE CORPORATION STOP.

4. BACKFILL THE PIPELINE WITH GRAVEL BACKFILL WITH A SAND EQUIVALENT OF 30 OR GREATER. COMPACT THE BACKFILL MATERIAL WITH A COMPACTION EFFICIENCY OF 90 PERCENT.

5. INSTALL 12-INCH WIDE, 12-INCH DEEP P.C.C. CONCRETE RING CONCENTRIC WITH THE EXTERIOR OF THE VALVE OUTLET. THE REINFORCING PLATE SHALL BE A MINIMUM 0.5” THICK, 3'-9 MIN. GRADE.

6. INSTALL NATIVE MATERIAL. COMPACT TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557 IN MAXIMUM 1-FOOT LIFTS. SUBSEQUENT LIFTS SHALL NOT BE PLACED UNTIL PREVIOUS LIFTS HAVE BEEN TESTED AND APPROVED.

NOTES:

3. ALL FITTINGS SHALL REMAIN EXPOSED AFTER THE CONCRETE IS PLACED. CONCRETE SHALL NOT CONTACT THE PIPE.

4. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-121. THE COMPACTION EFFICIENCY OF CONCRETE SHALL BE 90 PERCENT.

18-INCH ADJUSTABLE PIPE SADDLE SUPPORT DETAIL

NOT TO SCALE

OUTLET PIPE CONNECTION DETAIL

NOT TO SCALE

18-INCH ADJUSTABLE PIPE SADDLE SUPPORT DETAIL

NOT TO SCALE

2" BLOWOFF/SAMPLING POINT ASSEMBLY DETAIL

NOT TO SCALE

VALVE RISER AND CONCRETE RING DETAIL

NOT TO SCALE

THRUST BLOCK DETAILS

NOT TO SCALE

PIPE TRENCH DETAIL

NOT TO SCALE
CONSTRUCTION KEYNOTES:

1. CONCRETE SUPPORT PAD FOR THE EMERGENCY POWER GENERATOR SET. THE PAD EMBLEM SIZES DIFFER FROM THE PLANS. CONCRETE AND REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

2. INSTALL NUMBER OF BOLT DETAIL 1" ON CENTER EACH HOLE.

3. INSTALL A DOUBLE WALL DIESEL FUEL TANK. THE FUEL TANK SHALL CONFORM TO UL 142, NFPA 30A, AND ELECTRICAL SPECIFICATIONS.

4. INSTALL 4-INCH DIAMETER VENT EXTENSION PIPE PER MANUFACTURER'S RECOMMENDATIONS.

5. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. INSTALL AGGREGATE BASE IN MAXIMUM 6-INCH LIFTS. ADDITIONAL LIFTS SHALL NOT BE ADDED UNTIL PREVIOUS LIFTS HAVE ATTAINED THE COMPACTION SPECIFIED.

6. EXPLODE SUBGRADE AND SCARIFY TO A DEPTH OF 12-INCHES MINIMUM.

7. EXPOSE SUBGRADE AND SCARIFY TO A DEPTH OF 12-INCHES MINIMUM. SCARIFY TO A DEPTH OF 12-INCHES MINIMUM. SCARIFY TO A DEPTH OF 12-INCHES MINIMUM. SCARIFY TO A DEPTH OF 12-INCHES MINIMUM. SCARIFY TO A DEPTH OF 12-INCHES MINIMUM.

8. DRAWINGS OF THE EMERGENCY POWER GENERATOR SET. ANCHOR BOLTS TO BE INSTALLED PER DETAIL B ON THIS SHEET.

9. CONTRACTOR TO VERIFY THE LOCATION OF THE ANCHOR BOLTS WITH THE APPROVED SUBMITTAL OF DIESEL.

10. CONSTRUCT A P.C.C. SUPPORT PAD FOR THE EMERGENCY POWER GENERATOR SET. THE PAD DIMENSIONS SHALL BE AS ILLUSTRATED ON THE PLANS. CONCRETE AND REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

11. INSTALL NUMBER 4 REINFORCING BARS 1'-0" ON-CENTER EACH WAY.

12. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.


15. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.


17. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.

18. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.


20. INSTALL SPRING VIBRATION ISOLATOR BETWEEN THE PCC SUPPORT PAD AND THE SKID MOUNT SUPPORT FRAME/GAS TANK PER MANUFACTURER'S RECOMMENDATIONS. SECURE THE SPRING ISOLATOR TO THE PCC SUPPORT PAD WITH THE SPRING ISOLATION SYSTEM SHALL BE INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
CONSTRUCTION KEYNOTES:

1. EXACT CONFIGURATION AND DIMENSIONS OF THE MECHANICAL/ELECTRICAL SYSTEM IS DEPENDENT UPON THE EMERGENCY POWER GENERATOR MANUFACTURER. THE EXACT CONFIGURATION OF THE MECHANICAL/ELECTRICAL SYSTEM SHALL BE DETERMINED DURING THE SHOP DRAWING PROCESS.

2. NOTE: SEE ELECTRICAL DRAWINGS FOR ELECTRICAL AND CONTROL WIRING AND CONDUIT INSTALLATION.

EX. GEN. SET CONSTRUCT A P.C.C. SUPPORT PAD FOR THE EMERGENCY POWER GENERATOR SET. THE PAD DIMENSIONS SHALL BE AS ILLUSTRATED ON THE PLANS. CONCRETE AND REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

INSTALL NUMBER 4 REINFORCING BARS 1'-0" ON-CENTER EACH WAY.

INSTALL A 70KW PORTABLE EMERGENCY POWER GENERATOR SET WITH A SOUND ATTENUATED, WEATHERPROOF PROTECTIVE ENCLOSURE PER THE TECHNICAL SPECIFICATIONS.

GENERATOR MUST BE COMPLIANT WITH THE IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT RULES AND REGULATIONS.

THE CONTRACTOR WILL BE RESPONSIBLE TO SUPPLY THE FIRST 1000 GALLONS OF DIESEL.

INSTALL 2-FOOT OF AGGREGATE BASE. COMPACT AGGREGATE BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. INSTALL AGGREGATE BASE IN MAXIMUM 8 INCH LIFTS. ADDITIONAL LIFTS SHALL NOT BE ADDED UNTIL PREVIOUS LIFTS HAVE ATTAINED THE COMPACTION SPECIFIED.

EXPOSE SUBGRADE AND SCARIFY TO A DEPTH OF 12-INCHES MINIMUM. MOISTURE CONDITION NATIVE MATERIAL TO 2% TO 3% ABOVE OPTIMUM MOISTURE CONTENT AND RE COMPACT TO 90% OF MAXIMUM DENSITY PER ASTM D-1557 IN MAXIMUM 6-INCH LIFTS.

THE EXACT CONFIGURATION AND DIMENSIONS OF THE MECHANICAL/ELECTRICAL SYSTEM IS DEPENDENT UPON THE EMERGENCY POWER GENERATOR MANUFACTURER. THE EXACT CONFIGURATION OF THE MECHANICAL/ELECTRICAL SYSTEM SHALL BE DETERMINED DURING THE SHOP DRAWING PROCESS.

NOTE: SEE ELECTRICAL DRAWINGS FOR ELECTRICAL AND CONTROL WIRING AND CONDUIT INSTALLATION.

UNAUTHORIZED CHANGES AND USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to these plans must be in writing and must be approved by the preparer of these plans.
FOOTINGS SHALL CONSIST OF (7) SACKS OF 17
201 E. HOBSONWAY
D TRUSS ROD
10'-0"

UNAUTHORIZED CHANGES AND USES: The engineer preparing these plans will not be responsible for, or
must be approved by the preparer of these plans.

PLACE P.C.C. CONVEX AT TOP OF P.C.C. FOOTING.

INSTALL THREE (3) GALVANIZED SELVAGE TWISTED BARBED WIRE.
STRANDS OF TOP AND BOTTOM
INSTALL FASTENERS PER DETAIL.
INSTALL CORNER POST COMPONENT PER DETAIL, TYPICAL.

PLACE P.C.C. CONVEX AT TOP OF P.C.C. FOOTING.

INSTALL GATE PER DETAIL.

INSTALL 3" X 3" X 1/4" STEEL ANGLE IRON. SECURE THE STEEL ANGLE IRON TO THE P.C.C. SUPPORT FOOTING WITH

H R.C.E. No.

ROLL GATE DETAIL

FENCE SHALL BE LEVELED EVEN WITH THE EXISTING GRADE.

FENCE AND IT SHALL BE FASTENED TO THE FRAME BY MEANS OF ADJUSTABLE CLAMPS AND TENSION RODS. THE GATES SHALL
BE EQUIPPED WITH SUITABLE HINGES AND COMBINATION CATCHES AND LOCKING MECHANISMS OF APPROVED DESIGN. EXCEPT WHERE
OTHERWISE SPECIFIED, ALL PARTS OF THE FENCE, GATES AND PIPE CLAMPS ARE TO BE GALVANIZED THROUGHOUT WITH HOT
SOLID PANEL, AND SHALL BE SUITABLY BRACED TO PREVENT SAGGING. THE FABRIC SHALL BE THE SAME AS SPECIFIED FOR THE
FENCING NOTES

INTERMEDIATE POST

DESCRIPTION

SCHEDULE FOR FENCING

I. FABRIC

2" MESH, 14-GAUGE

II. RAIL, POSTS AND GATES

A. CORNER AND PULL POSTS

3'-6" @ 3'-3" (2) P.C.C. FOOTING

B. INTERMEDIATE POSTS

10" @ 13'-0"

C. GATE POSTS

10'-0" @ 7'-6"

D. GATE FRAMES

10'-0" TUBULAR MATERIAL

E. GATE FRAMES

1/4" X 3/4"

III. TENSION BARS

46" (760) 922-4658

IV. FOOTING

A. CORNER BACKWASH POSTS

10'-0" @ 3'-6" DEEP

B. INTERMEDIATE POSTS

10'-0" @ 6'-0" DEEP

C. GATE POSTS

10'-0" @ 10'-0"

D. CONCRETE - FOOTINGS SHALL CONSIST OF (7) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE AND
5,000 PSI AFTER 28 DAYS OF CURING.

BAND

APPL. HINGE

F. GATE POSTS AND BANDS

TENSION BAND

TENSION WIRE

TOP RAIL

A. CORNER POST

B. INTERMEDIATE POST

C. GATE POST

D. TIEFASTENERS

E. BRACE BANDS

F. HINGE

GATE TRACK

GATE TRACK

SECTION A-A

INSTALL 4" X 4" X 3/4" STEEL ANGLE IRON. SECURE THE STEEL ANGLE IRON TO THE P.C.C. SUPPORT FOOTING WITH

INTERMEDIATE POST

NATIVE MATERIAL

GATE WHEEL

SECTION A-A

INSTALL 3" X 3" X 1/4" STEEL ANGLE IRON. SECURE THE STEEL ANGLE IRON TO THE P.C.C. SUPPORT FOOTING WITH

APPL. HINGE

DRILL HOLE 4" @ 10 FEET LONG (2) P.C.C. ROLL GATE FOOTING. ROLL GATE FOOTING, ROLLING RAILS OF ASSEG JUTE BASE, COMPACTED TO 10 PERCENT OF MAXIMUM DENSITY.

GATE WHEEL

GATE TRACK

GATE TRACK

APPL. HINGE

APPL. HINGE

APPL. HINGE

APPL. HINGE

APPL. HINGE

APPL. HINGE