LIFT STATION NO. 5
RECONSTRUCTION

PROJECT LOCATION MAP

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PREPARED APRIL 2021
1. An existing fence, if necessary, will be removed before excavations can begin.

2. All utilities, grade markers, and existing structures will be removed before any construction work can begin.

3. The site will be treated with dust control measures to minimize any adverse effects on the environment.

4. The site will be restored to its original condition after completion of the project.

5. Any damage caused to the site during construction will be repaired immediately.

6. The contractor will provide all necessary labor, equipment, and materials to complete the project.

7. The contractor will be responsible for all costs associated with the project.

8. The project will be performed in accordance with all relevant laws and regulations.

9. The contractor will provide all necessary information to the owner and the public.

10. The contractor will be liable for any damages caused to the site during construction.

11. The contractor will be responsible for all necessary permits and approvals.

12. The contractor will be responsible for all necessary insurance.

13. The contractor will be responsible for all necessary bonds.

14. The contractor will be responsible for all necessary warranties.

15. The contractor will be responsible for all necessary maintenance and repairs.

16. The contractor will be responsible for all necessary testing and inspection.

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99. The contractor will be responsible for all necessary communications.

100. The contractor will be responsible for all necessary reporting.
DEMOLITION NOTES:

1. MANHOLE ABANDONMENT SHALL BE ACHIEVED AS FOLLOWS: BREAK UP THE BOTTOM SLAB OF THE STRUCTURE TO PERMIT DRAINAGE. REMOVE THE FIRST 3 OF THE STRUCTURE BELOW GRADE. FILL Voids WITH FLOMBABLE FILL AND COMPACT TO GRADE IN 12" LIFTS USING COMMON FILL.

2. LIFT STATION ABANDONMENT SHALL BE ACHIEVED AS FOLLOWS: REMOVE ALL EQUIPMENT: PIPING, VALVES, AND PUMPS FROM THE EXISTING LIFT STATION. BREAK UP THE BOTTOM SLAB OF THE STRUCTURE TO PERMIT DRAINAGE. REMOVE THE FIRST 3 OF THE STRUCTURE BELOW GRADE. FILL THE REMAINING STRUCTURE WITH FLOMBABLE FILL AND COMPACT TO GRADE IN 12" LIFTS USING COMMON FILL.

3. REMOVE EXISTING VALVE VAULT. REMOVE EXISTING ABOVE AND BELOW GRADE DISCHARGE PIPING FROM EXISTING PUMPS TO PROPOSED CONNECTION.

4. REFER TO THE COLLECTION SYSTEM REPLACEMENT IMPROVEMENTS PLAN SPECIFICATION 11312 FOR SEQUENCING OF DEMOLITION.
DEMOLITION NOTES:

1. MANHOLE ABANDONMENT SHALL BE ACHIEVED AS
   FOLLOWS: BREAK UP THE BOTTOM SLAB OF THE
   STRUCTURE TO PERMIT DRAINAGE. REMOVE THE
   FIRST 2' OF THE STRUCTURE BELOW GRADE, FILL
   VOID WITH FLOWABLE FILL AND COMPACT TO
   GRADE IN 12" LIFTS USING COMMON FILL.

2. LIFT STATION ABANDONMENT SHALL BE ACHIEVED
   AS FOLLOWS: REMOVE ALL EQUIPMENT, PIPING,
   VALVES, AND PUMPS FROM THE EXISTING LIFT
   STATION. REMOVE THE BOTTOM SLAB OF THE
   STRUCTURE TO PERMIT DRAINAGE. REMOVE THE
   FIRST 2' OF THE STRUCTURE BELOW GRADE, FILL
   THE REMAINING STRUCTURE WITH FLOWABLE FILL
   AND COMPACT TO GRADE IN 12" LIFTS USING
   COMMON FILL.

3. REMOVE EXISTING VALVE VAULT. REMOVE
   EXISTING ABOVE AND BELOW GRADE DISCHARGE
   PIPING FROM EXISTING PUMPS TO PROPOSED
   CONNECTION.

4. REFER TO THE COLLECTION SYSTEM BYPASS
   PLAN, SPECIFICATION 11312, FOR SEQUENCING OF
   DEMOLITION.
1. Lift station abandonment shall be achieved as follows. Remove all equipment, piping, valves and pumps from the lift station. Break up the bottom slab of the structure to permit drainage. Remove the first 5' of the structure below grade. Fill the remaining structure with flowable fill and compact to grade in 12" lifts using common fill.

2. Contractor to be responsible for fully assessing materials to be removed from existing structure.

3. Pumps and valves are to be salvaged and returned to the owner.

4. Manhole abandonment shall be achieved as follows. Break up the bottom slab of the structure to permit removal. Remove the first 3' of the structure below grade. Fill void with flowable fill and compact to grade in 12" using common fill.

Legend:
- DEMO EXISTING
- REMOVE AND REPLACE EXISTING ASPHALT
- TO BE DEMOLISHED
- GROUT FILLED AND ABANDONED
DEMO EXISTING MANHOLE
CUT AND CAP EXISTING 8'' FM
ABANDON EXISTING 8'' FM

DEMO EXISTING PUMPS AND VALVES

CONTRACTOR TO BE RESPONSIBLE FOR FULLY ASSESSING MATERIALS TO BE REMOVED FROM EXISTING STRUCTURE

PUMPS AND VALVES ARE TO BE SALVAGED AND RETURNED TO THE OWNER.

MANHOLE ABANDONMENT SHALL BE ACHIEVED AS FOLLOWS. BREAK UP THE BOTTOM SLAB OF THE STRUCTURE TO PERMIT DRAINAGE. REMOVE THE FIRST 3' OF THE STRUCTURE BELOW GRADE. FILL VOID WITH FLOWABLE FILL AND COMPACT TO GRADE IN 12" USING COMMON FILL.

LIFT STATION ABANDONMENT SHALL BE ACHIEVED AS FOLLOWS. REMOVE ALL EQUIPMENT, PIPING, VALVES, AND PUMPS FROM THE EXISTING STRUCTURE TO PERMIT DRAINAGE. REMOVE THE FIRST 5' OF THE STRUCTURE BELOW GRADE. FILL THE REMAINING STRUCTURE WITH FLOWABLE FILL AND COMPACT TO GRADE IN 12" USING COMMON FILL.

1. REMOVE AND REPLACE EXISTING UNPAVED ROAD
2. TO BE DEMOLISHED
3. GROUT FILLED AND ABANDONED
4. REMOVE POWER PANEL
5. REMOVE ANTENNA
6. REMOVE HOSE BIBB

ABANDON EXISTING DRY WELL
REPLACE EXISTING PUMPS, DISCHARGE PIPING AND APPURTENANCES

MARK DATE
DESCRIPTION
DESN:
DRWN:
CHKD:
PROJ:
UTILITIES COMMISSION
CITY OF NEW SMYRNA BEACH
200-08460-20003
ENGINEERING BUSINESS NO. 2429
Zuzanna Wasowska, P.E.
P.E. No. 86553, FL
Tetra Tech Inc.
201 East Pine Street, Suite 1000
Orlando, Florida 32801

SCALE: 1'' = 5'
2.5' 5' 10'

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PRECAST CONCRETE NOTES:
1. REFERENCED:
   a. 10 FLORIDA BUILDING CODE, 2018 EDITION
   b. 10 FLORIDA FIRE CODE, 2018 EDITION

2. PRECAST CONCRETE ULTIMATE STRUCTURE:
   a. REFER TO FOUNDATION NOTES AND GEOTECHNICAL REPORT. SEE PLAN AND SECTION FOR MINIMUM THICKNESS OF FOUNDATION.

3. DESIGN CRITERIA:
   a. ICC INTERNATIONAL BUILDING CODE, 2018 EDITION
   b. BLU-0021-0010-01-20003
   c. 10 FLORIDA BUILDING CODE, 2018 EDITION

4. ENGINEER REGISTERED IN THE STATE OF FLORIDA. REFER TO DESIGN CRITERIA:
   a. BEAR THE ORIGINAL SIGNATURE AND SEAL OF A PROFESSIONAL
   b. ENGINEER REGISTERED IN THE STATE OF FLORIDA. REFER TO DESIGN CRITERIA:
   c. REFER TO FOUNDATION NOTES AND GEOTECHNICAL REPORT. SEE PLAN AND SECTION FOR MINIMUM THICKNESS OF FOUNDATION.

5. SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR REVIEW:
   a. REFER TO FOUNDATION NOTES AND GEOTECHNICAL REPORT. SEE PLAN AND SECTION FOR MINIMUM THICKNESS OF FOUNDATION.
   b. REFER TO FOUNDATION NOTES AND GEOTECHNICAL REPORT. SEE PLAN AND SECTION FOR MINIMUM THICKNESS OF FOUNDATION.

6. PRECAST STRUCTURES TO COMPLY WITH SPEC SECTION (C-205 LIFT STATION DETAILS.DWG):
   a. REFER TO FOUNDATION NOTES AND GEOTECHNICAL REPORT. SEE PLAN AND SECTION FOR MINIMUM THICKNESS OF FOUNDATION.

FOUNDATION NOTES:
1. REFER TO PROJECT SPECIFICATION FOR MINIMUM SYSTEM RESISTANCE TO GROUND. IF THIS RESISTANCE CANNOT BE MET WITH SINGLE 10.00' RODS, ADD 6.00' TO 10.00' OC.
2. ONE (1) PUMP CONTROL PANEL WITH THE FOLLOWING EQUIPMENT:
   a. ONE (1) TCU MODULE PROVIDED BY DATA FLOW SYSTEMS (DFS).
   b. THE RISER DIAGRAMS AND ELECTRICAL CONTROL SCHEMATIC.
   c. THE CONTROL OF THE CONTROLLER WILL BE REQUIRED TO ACHIEVE THE PERFORMANCE SPECIFICATIONS."
NOTES:
1. ALL PIPE SHALL REQUIRE #14 GAUGE (AWG) HIGH-STRENGTH COPPER CLAD STEEL CONDUCTOR (HS-CCS) TRACER WIRE COATED WITH A 30 MIL THICK, HIGH DENSITY POLYETHYLENE (HDPE) INSULATION, AND RATED FOR DIRECT BURIAL USE AT 30 VOLTS LOCATED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND TAPED TO THE PIPE AT 5 FT. TO 10 FT. INTERVALS.

2. AT RESTRAINED JOINTS, WRAP TRACER WIRE AROUND ONE LUG.
GENERAL NOTES:

1. ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN ON THE DRAWINGS ARE EXISTING ITEMS TO BE REMOVED. ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN ON THE DRAWINGS ARE NEW ITEMS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM. THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED OR AFFECTED. THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED OR AFFECTED.

2. CONSTRUCTION DELAYS IN THE INSTALLATION AND MANUFACTURER'S REQUIREMENTS.

3. MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN IN HEAVY LINE WEIGHTS ON THE DRAWINGS ARE EXISTING ITEMS TO REMAIN. ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN IN LIGHT LINE WEIGHTS ON THE DRAWINGS ARE NEW THIS CONTRACT.

4. INSTALLATION SHALL BE PLUMB AND LEVEL. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

5. ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. INSTALLATION SHALL BE PLUMB AND LEVEL. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND MANUFACTURER'S REQUIREMENTS.

6. ELECTRICAL EQUIPMENT SHALL BE RATED NEMA 4X-316 STAINLESS STEEL UNLESS NOTED OTHERWISE.

7. CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. NEW EQUIPMENT SHALL BE NEW AND BEAR UNDERWRITERS LABELS (UL LISTED). ELECTRICAL MATERIALS AND EQUIPMENT ITEMS SHOWN IN LIGHT LINE WEIGHTS ON THE DRAWINGS ARE NEW THIS CONTRACT.

8. CONDUIT BELOW GRADE SHALL BE SCH. 80 PVC, CONDUIT ABOVE GRADE SHALL BE COPPER. RIGID ALUMINUM, CONDUIT ELBOWS SHALL BE RIGID ALUMINUM WITH MASTIC COATING UNLESS NOTED OTHERWISE.

9. EXPLOSION PROOF - CLASS II, DIVISION 1

10. CONTRACTOR SHALL PROVIDE TEMPORARY POWER, AS REQUIRED, DURING CONSTRUCTION.

11. CONTRACTOR SHALL VISIT SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING ELECTRICAL INSTALLATION AND MAKE PROVISIONS TO correct any defects shall be completed without additional charge and shall include replacement or repair of any other phase of the installation which may have been damaged or affected.

12. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONING SYSTEM TO INSTALL EQUIPMENT IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURER'S REQUIREMENTS.

13. CONTRACTOR SHALL RECEIVE AND FURNISH TO THE ELECTRICAL CONTRACTOR ALL ITEMS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM TO INSTALL EQUIPMENT IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURER'S REQUIREMENTS.

14. ELECTRICAL CONSTRUCTION FOR SHALL BE RESPONSIBLE FOR PATCHING ANY EXISTING ELECTRICAL SCOPE.

NOTES:

1. CONTRACTOR SHALL PROVIDE A LIST OF EQUIPMENT AND MATERIALS NECESSARY FOR THIS CONTRACT. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL ITEMS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM TO INSTALL EQUIPMENT IN ACCORDANCE WITH INDUSTRY STANDARDS AND MANUFACTURER'S REQUIREMENTS.

2. CONTRACTOR SHALL PRODUCE WORKING DRAWINGS AND SPECIFICATIONS.

3. CONTRACTOR SHALL PROVIDE A BID PER UCNSB STANDARDS, TO UCNSB PRIOR TO BID.
DRAWING NOTES:

CONTRACTOR SHALL COORDINATE WITH UCNSB FOR ELECTRICAL ITEMS TO BE SALVAGED AND TURNED OVER TO THE OWNER. CONTRACTOR SHALL PROVIDE UCNSB WITH LIST OF EQUIPMENT.

1. CONTRACTOR SHALL COORDINATE WITH UCNSB FOR ELECTRICAL ITEMS TO BE SALVAGED AND TURNED OVER TO THE OWNER. CONTRACTOR SHALL PROVIDE UCNSB WITH LIST OF EQUIPMENT.

2. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING UTILITY METER.

3. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PUMP CONTROL PANEL. CONTRACTOR SHALL DISCONNECT AND REMOVE.

4. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING 100A NF DISCONNECT SWITCH. CONTRACTOR SHALL DISCONNECT AND REMOVE.

5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RTU PANEL.

6. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING 8" FM.

7. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING UTILITY POLE DISCONNECT AND REMOVE WIRING. CAP AND ABANDON CONDUIT IN PLACE. CONTRACTOR SHALL COORDINATE WITH UTILITY TO DISCONNECT LIFT STATION UTILITY PIER.

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WITH UCNSB FOR ELECTRICAL ITEMS TO BE SALVAGED AND TURNED OVER TO THE OWNER. CONTRACTOR SHALL PROVIDE UCNSB WITH LIST OF EQUIPMENT.

2. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING BURied UTILITY SERVICE. DISCONNECT AND REMOVE WIRING. CAP AND ABANDON CONDUIT IN PLACE. CONTRACTOR SHALL COORDINATE WITH UTILITY TO DISCONNECT LIFT STATION UTILITY PIER.

3. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PUMPS, EXHAUST FAN, LIGHTING, AND ALL APPURTENANCES IN DRY WELL.

4. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DRY WELL.

5. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WET WELL. DISCONNECT AND REMOVE ANY ELECTRICAL EQUIPMENT.

6. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING ANTENNA.

7. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RTU PANEL.
LIFT STATION #5
DEMOPTION SINGLE-LINE DIAGRAM
SCALE: N.T.S.

5 HP
PUMPS
(2)

FLOATS
(4)

WETWELL
PUMP
CONTROL
PANEL

EXISTING RTU ANTENNA AND POLE TO BE DISCONNECTED AND REMOVED. RETURN RTU ANTENNA AND POLE TO OWNER.

EXISTING PUMPS IN DRYWELL TO BE DISCONNECTED AND REMOVED. CONTRACTOR TO DISCONNECT AND REMOVE ALL ELECTRICAL COMPONENTS IN DRYWELL (LIGHTS, EXHAUST FANS, PUMPS, RECEPTACLES, ETC.).

EXISTING GENERATOR RECEPTACLE. TO BE DISCONNECTED AND REMOVED.

EXISTING FLOATS IN WETWELL. TO BE DISCONNECTED AND REMOVED.

EXISTING PUMP CONTROL PANEL TO BE DISCONNECTED AND REMOVED. INCLUDING RACKING AND ALL OF ITS APPURTENANCES.

EXISTING RTU ANTENNA AND POLE TO BE DISCONNECTED AND REMOVED.

EXISTING RTU PANEL TO BE DISCONNECTED AND REMOVED.

POWER SERVICE FROM UTILITY EXISTING 240V/120, 3Ø, UCNSB POLE MOUNTED UTILITY TRANSFORMER. TRANSITION POINT BETWEEN AERIAL SERVICE CONDUCTORS AND BELOW GRADE CONDUCTORS. CONTRACTOR TO COORDINATE WITH UTILITY FOR DISCONNECTION OF SERVICE.

100A NON-FUSED DISCONNECT SWITCH. TO BE DISCONNECTED AND REMOVED.

UTILITY METER (METER NO. 07196908). TO BE DISCONNECTED AND REMOVED.

MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE PUMPS, FLOAT AND LEVEL TRANSDUCER.

MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH CURRENT TRANSFORMERS PROVIDED BY UTILITY.

MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE ANTENNA.

20' TALL ANTENNA. FINAL LOCATION AND HEIGHT OF ANTENNA SHALL BE DETERMINED BY CONTRACTOR TO FIT FIELD CONDITIONS WITH UCNSB'S APPROVAL.

LOAD CALCULATIONS
SCALE: N.T.S.

MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE PUMPS, FLOAT AND LEVEL TRANSDUCER.

1. 5 HP, 44.2A @ 240V, 3Ø, 4W SERVICE
2. COMPUTED TRANSFORMER RATING BASED ON TOTAL LOADS
3. MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE ANTENNA.
4. MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE PUMPS, FLOAT AND LEVEL TRANSDUCER.

NOTE
1. MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE PUMPS, FLOAT AND LEVEL TRANSDUCER.
2. MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH CURRENT TRANSFORMERS PROVIDED BY UTILITY.
3. MANUFACTURER PROVIDED CABLE (M.P.C.) PROVIDED WITH THE ANTENNA.
4. 20' TALL ANTENNA. FINAL LOCATION AND HEIGHT OF ANTENNA SHALL BE DETERMINED BY CONTRACTOR TO FIT FIELD CONDITIONS WITH UCNSB'S APPROVAL.
LIFT STATION NOTES:

1. A CLAMP TYPE, TRANSFER FLOW METER, WHEN REQUIRED BY THE FIFE, SHALL BE INSTALLED WITHIN A 3 FT. X 3 FT. (INDEED) STRUCTURE CONFORMING WITH ASTM C159.

2. ELECTRICAL SERVICE SHALL BE FURNISHED AND INSTALLED PER UCNSB REQUIREMENTS.

3. ELECTRIC SERVICE METER AND ANTENNA SHALL BE LOCATED TO FIT FIELD CONDITIONS WITH THE UCNSB’S APPROVAL.

CONTRACTOR SHALL FURNISH AND INSTALL:

3 FT. X 3 FT. (INSIDE) STRUCTURE CONFORMING WITH ASTM C913.

4.1. MS2A

MS1A

RTU

DRB

LCB

PCB1,2

CKT

14.1.1

14.1.2

14.1.3

MINIMUM: TWO (2) FULL VOLTAGE, NON-REVERSING, MOTOR STARTERS. STARTERS SHALL HAVE SOFT START CAPABILITIES; PUMPS SHALL BE DESIGNED FOR SOFT STARTER UNLESS OTHERWISE APPROVED BY THE UCNSB ENGINEERING DEPARTMENT.

SOST1,2

BCT

FLOAT

F6,10

F4,5

FMCB

DRB

LCB

CCB

PDPCB

PCB1,2

ECB

ENC

ENC

SA

SS1

R3,4

F# 120V GROUND FAULT DUPLEX RECEPTACLE

3KVA, 240V - 120V, CONTROL TRANSFORMER

FUSE, 1/4A

FUSE, 15A

TFS/TCU CIRCUIT BREAKER, 10A

GFDR CIRCUIT BREAKER, 20A

POWER DISTRIBUTION PANEL CIRCUIT BREAKER, 20A

PUMP CIRCUIT BREAKER, 60A

EMERGENCY CIRCUIT BREAKER, 100A

DIN RAIL, 1 METER

ENCLOSURE, TYPE 316 STAINLESS STEEL, NEMA 4X

SOST1,2

BCT

FLOAT

F6,10

F4,5

FMCB

DRB

LCB

CCB

PDPCB

PCB1,2

ECB

ENC

ENC

SA

SS1

R3,4

F# 120V SCHEDULE SHOWN FOR GENERAL INFO ONLY. CIRCUIT BREAKERS ARE AN INTEGRAL PART OF THE FACTORY ASSEMBLED CONTROL PANEL. SEE SCHEMATIC FOR DETAILS.

SOFT STARTER

ROTO-FLOAT SWITCH

GENERATOR RECEPTACLE

PUMP SPLICER TERMINAL BLOCK

PUMP CP RECEPTACLE

PUMP CP LIGHT

TRANSIENT FILTER SHIELD

FLOW METER

REMOTE TELEMETRY UNIT

PUMP 1 PROTECTION RELAY

DISCONNECT SWITCHES.

CONTROL SCHEMATIC.

OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AS INDICATED ON THE RISER DIAGRAMS AND ELECTRICAL INTEGRAL PART OF THE FACTORY ASSEMBLED CONTROL PANEL. SEE SCHEMATIC FOR DETAILS.

PHOENIX CONTACT, 2838995

DITEK, DTK-2403CMXPLUS

DFS, DFS-00125-008-12

DFS, DFS-00363-008-02

DFS, DFS-00392-008-01

DFS, DFS-00306-008-01

DFS, DFS-00271-008-07

DFS, DFS-00271-008-09, 1AMP SLOW BLOW

DFS, DFS-00396-108-02

DFS, DFS-00367-011-02

BUSSMANN, FNQR6

SQUARE D, QOU120

SQUARE D, QOU120

SQUARE D, BDL36040 (SIZE PER PUMP MANUFACTURER)

SQUARE D, BDL36060 (SIZE PER PUMP MANUFACTURER)

SQUARE D, BDL36060 (SIZE PER PUMP MANUFACTURER)

SCHNEIDER ELECTRIC, 16-700DIN

CUSTOM EQUIPMENT, 18X30X8 (PUMP CONNECTION BOX)

CUSTOM EQUIPMENT, 18X18X8 (INSTR. CONNECTION BOX)

MANUFACTURER, PART#