SEWER PUMP STATION SITE LAYOUT
NOT TO SCALE

PROJECT LOCUS
NOT TO SCALE

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) IN ADVANCE OF ANY PLANNED EXCAVATION. DISTRICT TO LOCATE AND FLAG BURIED WATER LINES AT THE SITE.

2. LOCATIONS AND SIZES OF BURIED UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION FROM UTILITY OWNERS, AND SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES AFFECTED BY WORK UNDER THIS CONTRACT. IF ACTUAL CONDITIONS VARY FROM WHAT IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY DISTRICT IMMEDIATELY AND WAIT FOR DIRECTION BEFORE PROCEEDING. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SUPPORT AND PROTECTION AGAINST DAMAGE FOR ALL EXISTING UTILITIES.

3. CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK, INCLUDING OUTSIDE OF NORMAL WORKING HOURS. EXCAVATIONS AND CONFINED SPACE ENTRIES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF CAL/OSHA TITLE 8.

4. ANY MONUMENT OR BENCHMARK THAT IS DISTURBED OR DESTROYED SHALL BE REESTABLISHED AND REPLACED BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT CONTRACTOR'S EXPENSE.

NBRID SEWER LIFT STATION 2
PROJECT NB 19 - 05

PROJECT LOCATION & CONDITIONS

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SHEET 1 OF 8

REVISIONS

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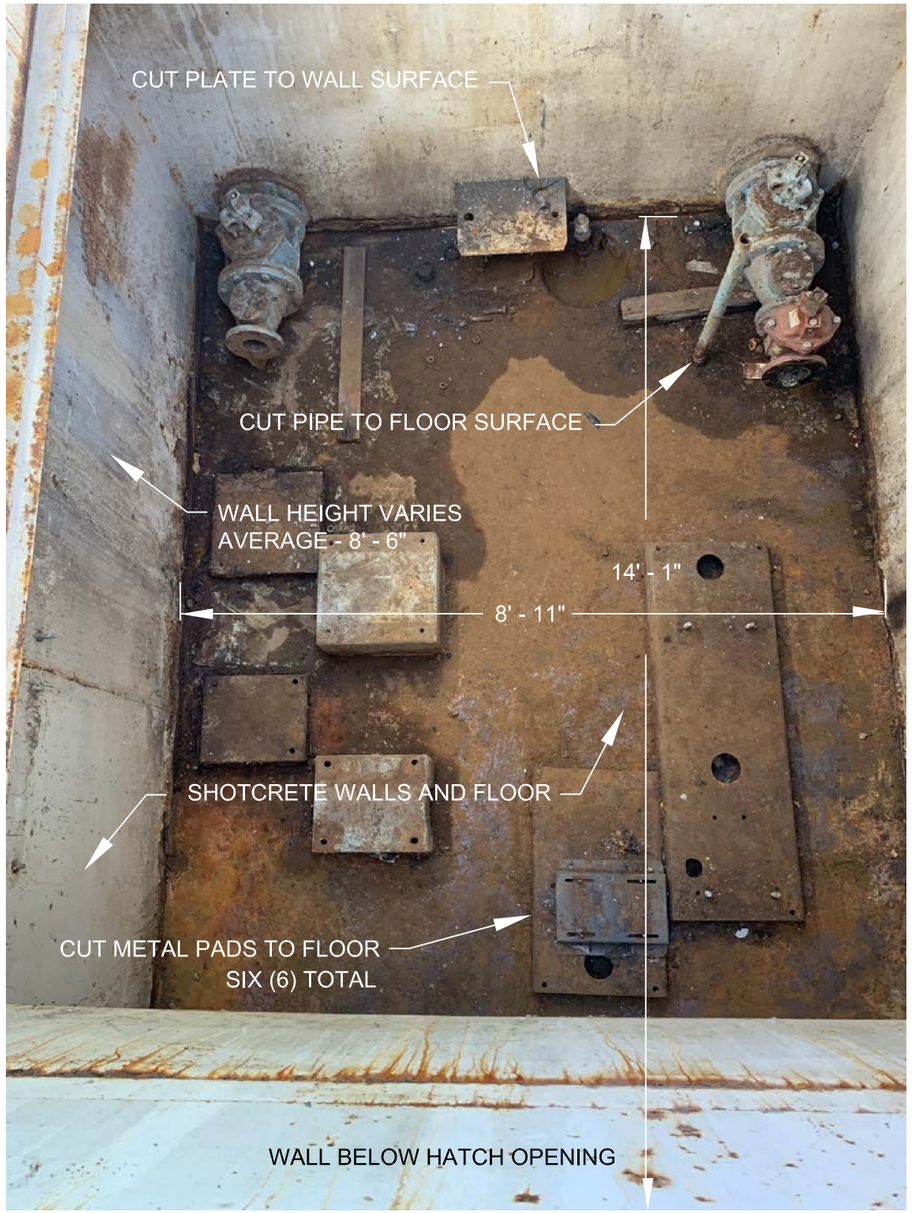
NAPA BERRYESSA RESORT IMPROVEMENT DISTRICT

PHILLIP M. MILLER, P.E.
DISTRICT ENGINEER

804 FIRST STREET
NAPA, CALIFORNIA 94559



DRY PIT TO WET WELL REHABILITATION PLAN
NOT TO SCALE

NOTES:

1. METAL SURFACE PREP – HIGH PRESSURE WATER BLAST.
2. SHOTCRETE MIN. COMPRESSIVE STRENGTH – 4,000 PSI @ 28 DAYS.
3. NO. 4 REBAR REINFORCEMENT ON WALLS AND FLOOR @ 8 INCHES OC.
4. WALL AND FLOOR MIN. THICKNESS – 6 INCHES.

NBRID SEWER LIFT STATION 2
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DRY PIT SHOTCRETE LINER

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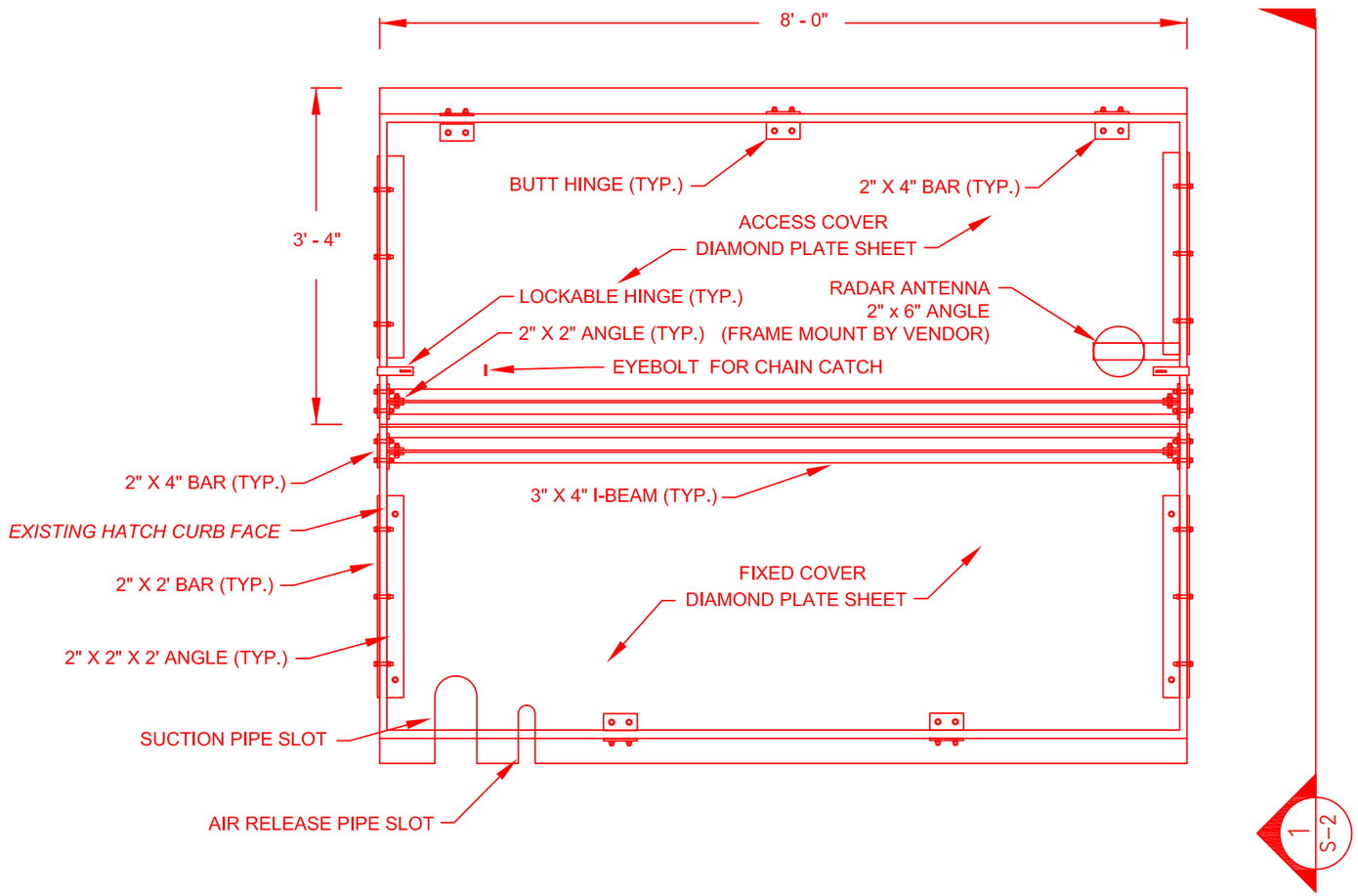

SECTION 1/S-2
NTS

NOTES:

1. FASTENING HEX BOLTS, WASHERS AND NUTS TO BE 0.375"ø, STAINLESS STEEL.
2. BAR STOCK, ANGLE, I-BEAMS AND DIAMOND PLATE TO BE 0.25" THICKNESS, ALUMINUM.
3. SLOT OPENING CENTERLINE LOCATIONS DETERMINED AFTER PIPE ASSEMBLED.
4. CONTRACTOR TO FIELD VERIFY DIMENSIONS.
5. FURNISH 14 FEET CHAIN, QUICK LINK AND BOLT SNAP. SECURE TO FENCE RAIL.

HATCH COVER PLAN
NOT TO SCALE

HATCH CHAIN CATCH
NOT TO SCALE

NBRID SEWER LIFT STATION 2
PROJECT NB 19 - 05

DRY PIT HATCH COVER MODIFICATIONS

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DISTRICT ENGINEER

MECHANICAL PIPE AND APPURTENANCE PROFILE
NOT TO SCALE

PUMP ALIGNMENT AND PIPE MODIFICATIONS
NOT TO SCALE

NOTES:

1. MATCH TOP OF PIPE SUPPORT PAD ELEV TO EXISTING PUMP SLAB.
2. DISCHARGE PIPE AND FITTINGS TO BE FLANGED DUCTILE IRON, PRESSURE CLASS 350 OR GREATER THICKNESS. FLANGE CLASS 125 LBS.
3. CONTRACTOR TO FIELD VERIFY FIT UP LENGTHS FOR FLANGE PIPE.
4. AIR RELEASE PIPE, FITTINGS AND SLAB SUPPORTS – GALVANIZED STEEL.
5. OWNER SUPPLIED PRODUCTS – CENTRIFUGAL PUMP / AIR RELEASE VALVE / CHECK VALVES.
6. EXPANSION WEDGE ANCHORS – STAINLESS STEEL, MIN 3" EMBEDMENT.
7. FURNISH AND INSTALL A METAL PORT / CANOPY TO SHADE PUMP AND PROTECT FROM DIRECT RAINFALL.

NBRID SEWER LIFT STATION 2
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MECHANICAL PIPE LAYOUT

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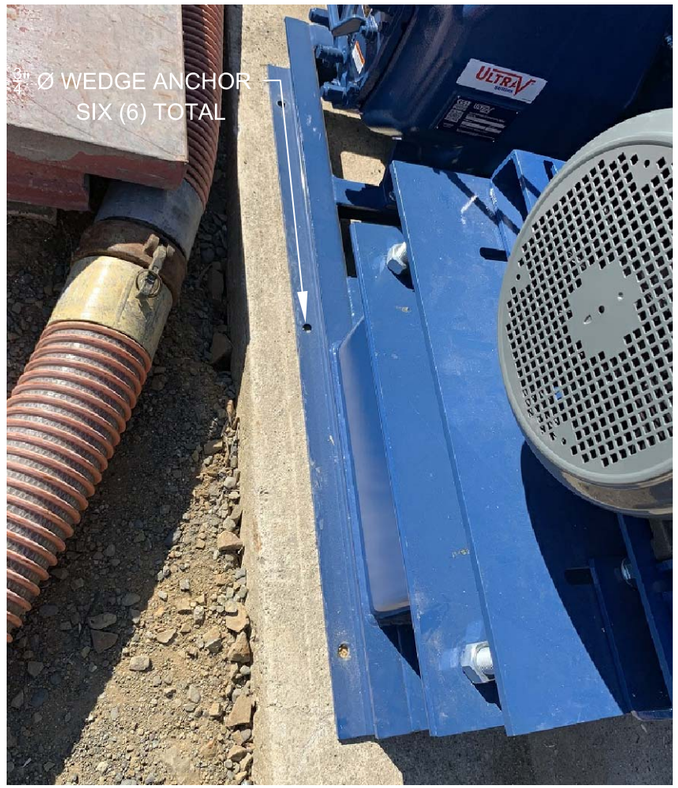
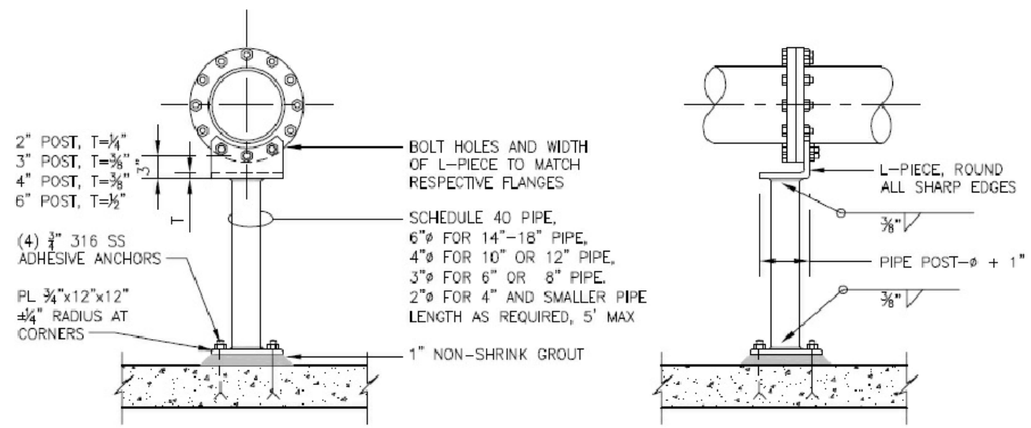


PUMP SKID ANCHORAGE
NOT TO SCALE



FLANGE MOUNTED PIPE SUPPORT
NOT TO SCALE

DETAIL NOTES
1. FOR PIPE DIAMETER 4" AND SMALLER AND SUPPORT PIPE LENGTH LESS THAN 18", REDUCE BASE PLATE SIZE TO 5/8"X8"X8", ±1/4" RADIUS AT CORNERS

NBRID SEWER LIFT STATION 2
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MECHANICAL DETAILS

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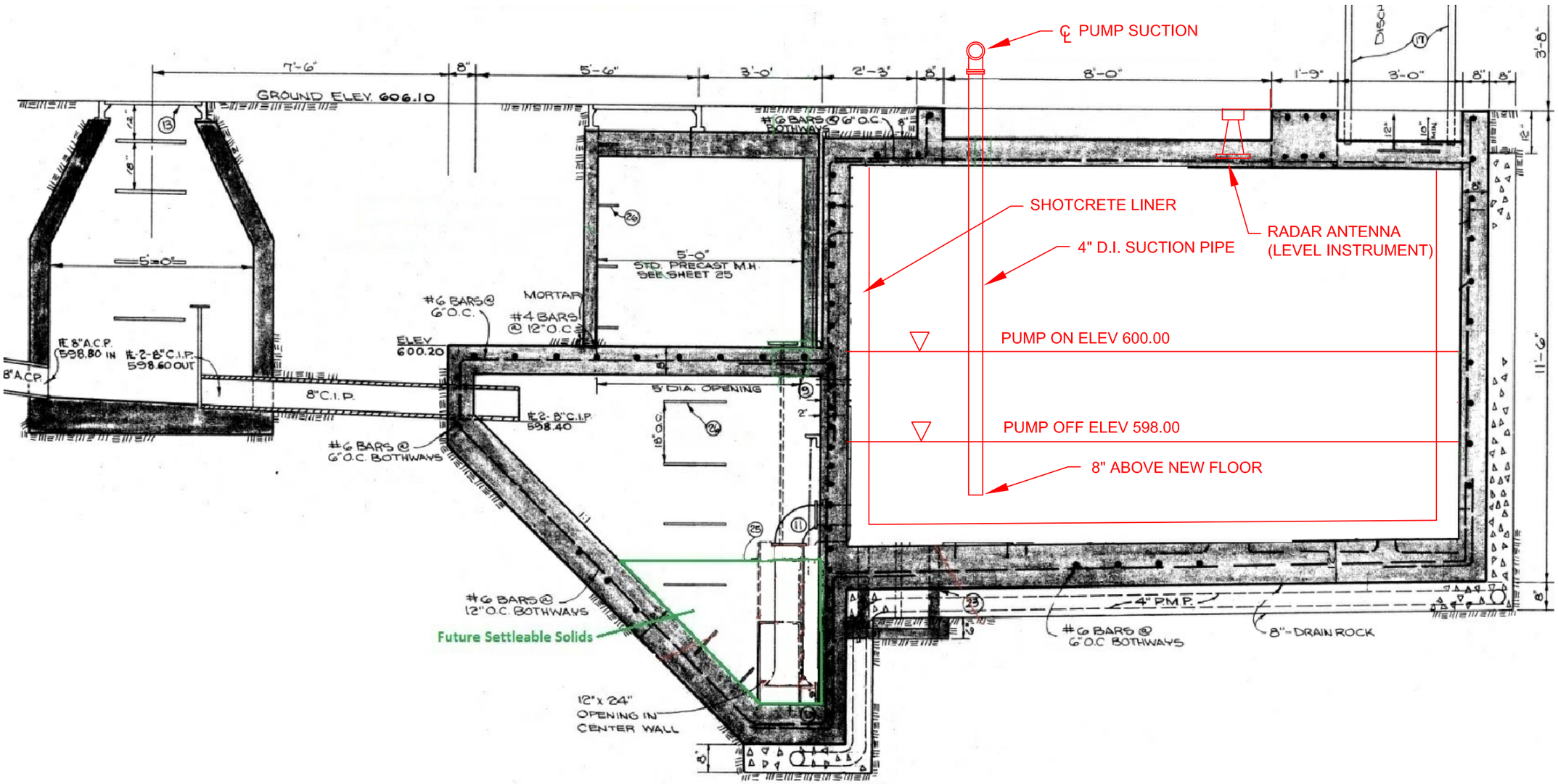

PIT SUCTION PIPING AND OPERATING LEVELS
NOT TO SCALE

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PROJECT NB 19 - 05

PROCESS WET WELL PROFILE

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PRIMARY SERVICE & STANDBY POWER
NOT TO SCALE

CONTROL PANEL REPLACEMENT
NOT TO SCALE

NOTES:

1. HANGERS, HARDWARE, ATTACHMENTS AND SUPPORTS – TYPE 316 STAINLESS STEEL.
2. CONDUIT FOR POWER SUPPLY AND INSTRUMENTATION TO BE SCHEDULE 80 PVC PIPE AND FITTINGS.
3. ALL ELECTRICAL CONDUCTORS TO POWER AND GROUND EQUIPMENT SHALL BE SELECTED IN ACCORDANCE WITH NEC, CBC & MANUFACTURER GUIDELINES.

NBRID SEWER LIFT STATION 2
PROJECT NB 19 - 05

ELECTRICAL DEMOLITION

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APPROXIMATE CONDUIT ROUTES
NOT TO SCALE

EXISTING ELECTRICAL AND INSTRUMENT CONDUITS
NOT TO SCALE

NBRID SEWER LIFT STATION 2
PROJECT NB 19 - 05

ELECTRICAL CONDUITS & WIRE

E-2

SHEET 8 OF 8

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