

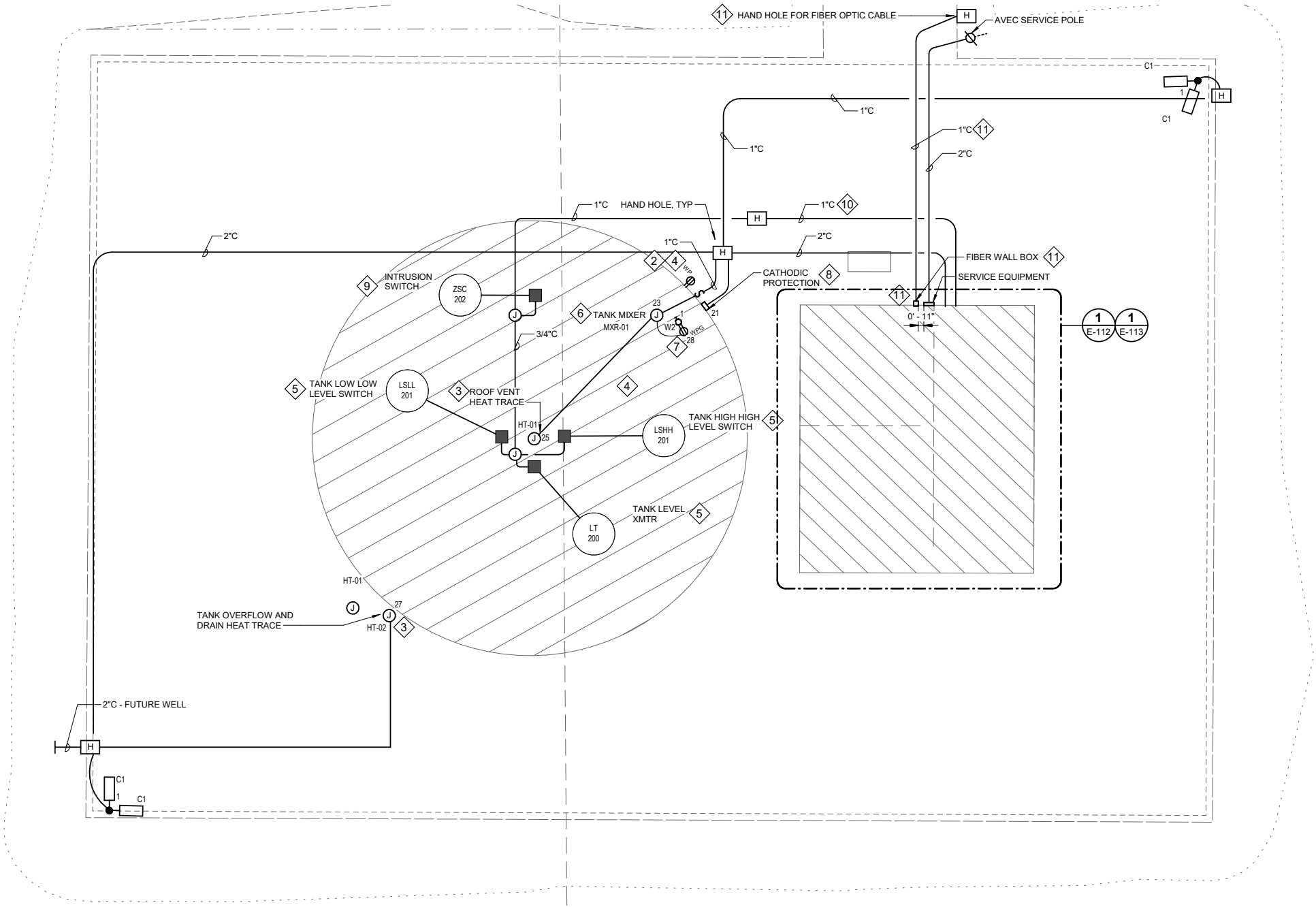
1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

4/17/2025 10:58:08 AM Autodesk Docs://10297.24002-CBY Airport Water System Extension/INF-ELEC-10297.24002_RV23.v1

1
E-100

ELECTRICAL SITE PLAN

SCALE: 3/32" = 1'-0"



SHEET NOTES

1. ALL CONDUITS ILLUSTRATED OUTSIDE THE BUILDING AND TANK SHALL BE INSTALLED UNDERGROUND.
2. COORDINATE PLACEMENT OF ELECTRICAL AND INSTRUMENTATION EQUIPMENT WITH WATER STORAGE TANK APPURTENANCES. REFER TO WATER STORAGE TANK DETAILS ON CIVIL SHEETS.

SHEET KEYNOTES

1. COORDINATE WITH ELECTRICAL UTILITY (AVEC). AVEC TO PROVIDE LINE EXTENSION TO POLE WITH TRANSFORMERS, AND THE TRANSFORMER INSTALLATION; CONTRACTOR TO INSTALL SERVICE RACEWAY AND CONDUCTORS. FOLLOW AVEC STANDARDS.
2. MOUNT TO RAILING, SECOND RAIL FROM TOP. PROVIDE STRUT, HARDWARE, FITTINGS AS REQUIRED. RECEPTACLE HAS GFCI PROTECTION AT ITS CIRCUIT BREAKER. PROVIDE LABEL, "GFCI PROTECTION AT CIRCUIT BREAKER IN PANEL NL01."
3. TO HEAT TRACE CONTROLS IN THE COVERED EXTERIOR.
4. COORDINATE WITH TANK MANUFACTURER. TANK MANUFACTURER TO PROVIDE MOUNTING PROVISIONS FOR ELECTRICAL EQUIPMENT. THIS INCLUDES, BUT IS NOT NECESSARILY LIMITED TO ATTACHMENT POINTS FOR CHANNEL STRUT AND CONDUIT INCLUDING ROUTING CABLE THROUGH TANK WALL. ELECTRICAL EQUIPMENT IN TANK, IF ANY, SHALL COMPLY WITH AK DEC REGULATIONS AS REQUIRED.
5. COORDINATE WITH TANK MANUFACTURER TO FURNISH NOZZLES AND MOUNTING PROVISIONS FOR LEVEL TRANSMITTER AND LEVEL FLOAT SWITCHES. SEE SHEET C-506 FOR WATER STORAGE TANK LEVEL INSTRUMENT NOZZLES.
6. SUSPEND THE TANK MIXER THROUGH THE ROOF MANWAY. ROUTE THE CABLE THROUGH A HUB AND CABLE GRIP IN THE MANWAY FLANGE PER MANUFACTURER TO THE JUNCTION BOX. PROVIDE TERMINALS IN THE JUNCTION BOX FOR THE MIXER CABLE AND CONDUCTORS ROUTED TO TANK MIXER CONTROL PANEL MOUNTED ADJACENT TO THE GENERATOR ROOM DOORS.
7. MOUNT THE TYPE W2 LUMINAIRE AND RECEPTACLE TO THE GUARDRAIL. MOUNT THE TYPE W2 LUMINAIRE AT 4 FOOT ABOVE THE TANK ROOF.
8. COORDINATE THE CATHODIC PROTECTION EQUIPMENT LOCATIONS AND MOUNTING PER THE MANUFACTURER.
9. INSTALL INTRUSION LIMIT SWITCH ON WATER STORAGE TANK MANWAY ACCESS HATCH.
10. ROUTE CONTROLS CONDUIT TO CONTROL PANEL PLC-01 INSIDE PUMPHOUSE PUMP ROOM.
11. CONTRACTOR TO COORDINATE WITH LOCAL TELECOM PROVIDER CORDOVA TELECOM COOPERATIVE (CTC) TO FURNISH AND INSTALL FIBER OPTIC CABLE HAND HOLE, 1-INCH CONDUIT WITH MICRODUCT, AND FIBER WALL BOX IN COMPLIANCE WITH CTC STANDARDS. CONTRACTOR TO ROUTE SERVICE DROP TO CONTROL PANEL PLC-01 IN 3/4-INCH RMC. COORDINATE WITH CTC FOR INSTALLATION OF FIBER OPTIC TELECOM SERVICE.



No.	Date	Item
REVISIONS		

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PROJECT :

CITY & BOROUGH OF YAKUTAT
WATER SYSTEM EXTENSION

YAKUTAT, ALASKA

SHEET TITLE :

ELECTRICAL SITE PLAN

DESIGN	NK
DRAWN	CSB
CHECKED	BCH
DATE	04-16-2025

PROJECT No.
10297.24002

SHEET NUMBER
E-100