



DEVELOPMENT PERMIT APPLICATION

NOTE: Development Permit Application forms must accompany all other Community Development Department land use applications. This form and all documents associated with it are public record once submitted.

To be completed by Applicant	PROPERTY LOCATION				
	Physical Address Cope Park, 1001 Calhoun Avenue, Juneau AK 99801				
	Legal Description(s) (Subdivision, Survey, Block, Tract, Lot) USMS 761, 926 & USS 2348 [Cope Park]				
	Parcel Number(s) 1C040CR10070				
	<input type="checkbox"/> This property is located in the downtown historic district <input type="checkbox"/> This property is located in a mapped hazard area, if so, which _____				
	LANDOWNER/ LESSEE				
	Property Owner City & Borough of Juneau	Contact Person Alan Steffert			
	Mailing Address 155 Heritage Way	Phone Number(s) 907-586-0800 ext 4190			
	E-mail Address alan.steffert@juneau.gov				
	LANDOWNER/ LESSEE CONSENT				
Required for Planning Permits, not needed on Building/ Engineering Permits. Consent is required of all landowners/ lessees. If submitted with the application, alternative written approval may be sufficient. Written approval must include the property location, landowner/ lessee's printed name, signature, and the applicant's name.					
I am (we are) the owner(s) or lessee(s) of the property subject to this application and I (we) consent as follows: A. This application for a land use or activity review for development on my (our) property is made with my complete understanding and permission. B. I (we) grant permission for the City and Borough of Juneau officials/employees to inspect my property as needed for purposes of this application.					
<table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:center;"><u>Dan Bleidorn</u></td> <td style="width:50%; text-align:center;"><u>Lands Manager</u></td> </tr> <tr> <td style="text-align:center;">Landowner/Lessee (Printed Name)</td> <td style="text-align:center;">Title (e.g.: Landowner, Lessee)</td> </tr> </table>		<u>Dan Bleidorn</u>	<u>Lands Manager</u>	Landowner/Lessee (Printed Name)	Title (e.g.: Landowner, Lessee)
<u>Dan Bleidorn</u>	<u>Lands Manager</u>				
Landowner/Lessee (Printed Name)	Title (e.g.: Landowner, Lessee)				
<table style="width:100%; border:none;"> <tr> <td style="width:50%;">x <u><i>Daniel Bleidorn</i></u></td> <td style="width:50%; text-align:right;"><u>7/11/25</u></td> </tr> <tr> <td style="text-align:center;">Landowner/Lessee (Signature)</td> <td style="text-align:right;">Date</td> </tr> </table>		x <u><i>Daniel Bleidorn</i></u>	<u>7/11/25</u>	Landowner/Lessee (Signature)	Date
x <u><i>Daniel Bleidorn</i></u>	<u>7/11/25</u>				
Landowner/Lessee (Signature)	Date				
<table style="width:100%; border:none;"> <tr> <td style="width:50%;">x _____</td> <td style="width:50%;">_____</td> </tr> <tr> <td style="text-align:center;">Landowner/Lessee (Printed Name)</td> <td style="text-align:center;">Title (e.g.: Landowner, Lessee)</td> </tr> </table>		x _____	_____	Landowner/Lessee (Printed Name)	Title (e.g.: Landowner, Lessee)
x _____	_____				
Landowner/Lessee (Printed Name)	Title (e.g.: Landowner, Lessee)				
<table style="width:100%; border:none;"> <tr> <td style="width:50%;">x _____</td> <td style="width:50%;">_____</td> </tr> <tr> <td style="text-align:center;">Landowner/Lessee (Signature)</td> <td style="text-align:right;">Date</td> </tr> </table>		x _____	_____	Landowner/Lessee (Signature)	Date
x _____	_____				
Landowner/Lessee (Signature)	Date				
NOTICE: The City and Borough of Juneau staff may need access to the subject property during regular business hours. We will make every effort to contact you in advance, but may need to access the property in your absence and in accordance with the consent above. Also, members of the Planning Commission may visit the property before a scheduled public hearing date.					
APPLICANT					
If same as LANDOWNER, write "SAME"					
Applicant (Printed Name) City & Borough of Juneau	Contact Person Alan Steffert				
Mailing Address 155 Hertiage Way, Juneau Alaska 99801	Phone Number(s) 907-586-0800 ext 4190				
E-mail Address alan.steffert@juneau.gov					
<table style="width:100%; border:none;"> <tr> <td style="width:50%;">x _____</td> <td style="width:50%;">_____</td> </tr> <tr> <td style="text-align:center;">Applicant's Signature</td> <td style="text-align:right;">Date of Application</td> </tr> </table>		x _____	_____	Applicant's Signature	Date of Application
x _____	_____				
Applicant's Signature	Date of Application				

-----DEPARTMENT USE ONLY BELOW THIS LINE-----

Intake Initials

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

For assistance filling out this form, contact the Permit Center at 586-0770.

Case Number CSP25 -02	Date Received 10/15/25
---------------------------------	----------------------------------

City/State Project and Land Action Review Information

City and State project review is outlined in CBJ 49.15.580.

Each application for a City/State Project is reviewed by the Planning Commission at a public hearing. The permit procedure is intended to provide the Commission the flexibility necessary to make recommendations tailored to individual applications.

Application: An application for a City/State Project Review will not be accepted by the Community Development Department until it is determined to be complete. The items needed for a complete application are:

1. **Forms:** Completed City/State Project Review Application and Development Permit Application forms.
2. **Fees:** No application fee required for projects that cost less than \$2.5 million. For projects costing more than this amount, the fee is \$1,600.00. All City/State Project and Land Action Applications must pay public notice sign fees. All fees are subject to change.
3. **Project Narrative:** A detailed narrative describing the project.
4. **Plans:** All plans are to be drawn to scale and clearly show the items listed below:
 - a. Plat, site plan, floor plan and elevation views of existing and proposed structures and land;
 - b. Existing and proposed parking areas, including dimensions of the spaces, aisle width and driveway entrances;
 - c. Proposed traffic circulation within the site including access/egress points and traffic control devices;
 - d. Existing and proposed lighting (including cut sheets for each type of lighting);
 - e. Existing and proposed vegetation with location, area, height and type of plantings; and,
 - f. Existing physical features of the site (i.e. drainage, eagle trees, hazard areas, salmon streams, wetlands, etc.)

Document Format: All materials submitted as part of an application shall be submitted in either of the following formats:

1. Electronic copies in the following formats: .doc, .txt, .xls, .bmp, .pdf, .jpg, .gif, .xlm, .rtf (other formats may be preapproved by the Community Development Department).
2. Paper copies 11" X 17" or smaller (larger paper size may be preapproved by the Community Development Department).

Application Review & Hearing Procedure: Once the application is determined to be complete, the Community Development Department will initiate the review and scheduling of the application. This process includes:

Review: As part of the review process the Community Development Department will evaluate the application for consistency with all applicable City & Borough of Juneau codes and adopted plans. Depending on unique characteristics of the permit request the application may be required to be reviewed by other municipal boards and committees. Review comments may require the applicant to provide additional information, clarification, or submit modifications/alterations for the proposed project.

Hearing: All City/State Project Review Permit Applications must be reviewed by the Planning Commission. Once an application has been deemed complete and has been reviewed by all applicable parties the Community Development Department will schedule the requested permit for the next appropriate meeting. The Planning Commission will make a recommendation based on staff's analysis and forward it to the Assembly for final approval/denial.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

CSP Review Narrative
for the
CBJ Water Utility's Cope Park Pump Station Replacement Project

The CBJ Water Utility operates a water pump station located at Cope Park. The pump station provides water to the higher elevation areas of downtown Juneau including the Highlands and Starr Hill neighborhoods. This pump station is nearing the end of its life and needs to be replaced/upgraded. A new pump station is to be constructed adjacent to the existing pump station while the existing station remains operational to ensure continuity of service. Once the new station is operational the old station will be decommissioned and the building demolished. This project includes construction of a new municipal water pump station and pump building with backup generator, flow meters, valves, pump and motor replacements, mechanical piping, electrical work, pressure sensors, lighting, variable frequency drives, instrumentation and controls; demolition of the existing pump station/building; new underground piping; and site work including grading, new curb and gutter and new paving.

SITE OF WORK. The site of the WORK is the Cope Park Pump Station located near the intersection of Calhoun Avenue and Cope Park Road in Juneau, Alaska.

The CONTRACTOR shall maintain vehicular traffic to Cope Park unless otherwise noted. A full road closure will be allowed during the suction line tie-in and demolition of the existing suction line tie-in. All road closures to be coordinated with the Engineer, JPD, CCFR and CBJ Parks and Recreation at least 48 hours in advance. During the WORK at least one lane with a minimum width of 9 feet shall be maintained. The CONTRACTOR shall maintain a continuous, unimpeded ADA pedestrian pathway through the Project corridor at all times.

Plans previously submitted for the building permit review contain all the information requested for CSP review.



No.	DATE	RECORD OF REVISIONS DESCRIPTION	BY

proHNS LLC
 CERTIFICATE OF AUTHORIZATION #10002
 2301 DUIN ST #201
 JUNEAU, AK 99901
 (907) 586-9999
 e: info@prohns.com
 www.prohns.com

DESIGNED BY: E. ROEMELING
 CHECKED BY: J. CHAMBERS



COPE PARK PUMP STATION REPLACEMENT
 BE25-317

COVER SHEET
 SHEET NUMBER: **G-01**

COPE PARK PUMP STATION REPLACEMENT

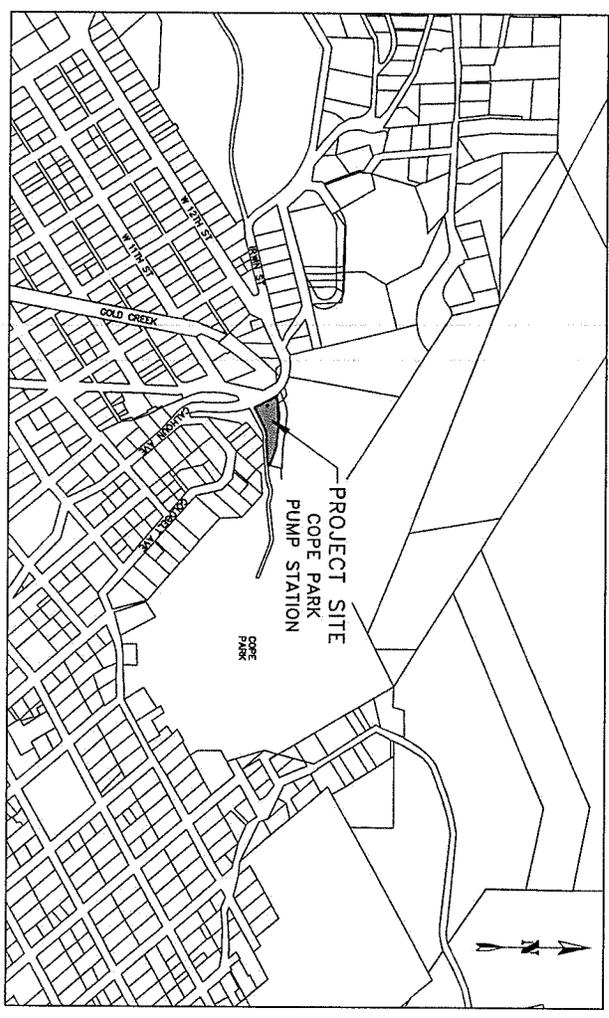
Reviewed For Code Compliance

CBJ PROJECT NO. BE25-317
CITY & BOROUGH OF JUNEAU, ALASKA

Approved
 TAR 7/1/2025

JS

7/1/2025



PROJECT LOCATION MAP
 NTS

SHEET NO.	DESCRIPTION
GENERAL	
G-01	COVER SHEET
G-02	CONSTRUCTION SEQUENCING AND SYSTEM INFORMATION
C-01	LEGEND, ABBREVIATIONS & GENERAL NOTES
C-02	EXISTING SITE CONDITIONS
C-03	SITE DEMOLITION PLAN
C-04	SALVAGE DETAILS
C-05	BUILDING LAYOUT PLAN
C-06	CIVIL SITE PLAN
C-07	SITE GRADING PLAN
C-08 TO C-09	CIVIL DETAILS
STRUCTURAL	
S-01	STRUCTURAL GENERAL NOTES
S-02	STANDARD DETAILS AND SPECIAL INSPECTIONS
S-03	STANDARD DETAILS
S-04	ROOF TRUSS LOADING DIAGRAM AND BRIDGE CRANE
S-05	FOUNDATION PLAN
S-06	SLAB PLAN
S-07	FRAMING PLAN
S-08	ROOF FRAMING PLAN
S-09 TO S-10	DETAILS
ARCHITECTURAL	
A-01	FLOOR PLAN
A-02	ELEVATIONS
A-03 TO A-04	BUILDING SECTION
A-05	EXTERIOR DETAILS
MECHANICAL	
M-01	LEGEND, ABBREVIATIONS & PAID
M-02	PILING PLAN
M-03	DRAIN PLAN
M-04 TO M-05	PIPING SECTIONS
M-06	MECHANICAL DETAILS
ELECTRICAL	
E-01	ELECTRICAL LEGEND & GENERAL NOTES
E-02	ELECTRICAL DEMOLITION SITE PLAN
E-03	ELECTRICAL SITE PLAN
E-04	ELECTRICAL EQUIPMENT LIST
E-05	ELECTRICAL SINGLE LINE DIAGRAM
E-06	ELECTRICAL PANEL SCHEDULES
E-07	ELECTRICAL BUILDING FLOOR PLAN
E-08	ELECTRICAL LIGHTING PLAN
E-09	GENERATOR MECHANICAL PLAN
E-10	GENERATOR MECHANICAL SECTION
PROGRAMMING	
P-01	LEGEND
P-02	PANEL LAYOUT
P-03 TO P-04	MATERIAL LIST
P-05	NETWORK PANEL
P-06	NETWORK DIAGRAM
P-07	PANEL CONTROL
P-08 TO P-09	VFD DETAIL
P-10 TO P-11	ANALOG INPUTS
P-12 TO P-13	DIGITAL INPUTS
P-14	DIGITAL OUTPUTS
SURVEY	
L-01	SURVEY CONTROL SHEET

CONSTRUCTION SEQUENCING:

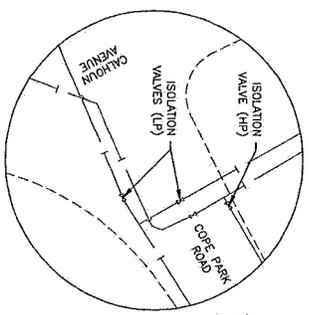
1. PHASE 1 - DEMO EXISTING SITE FEATURES
 - 1.1. REMOVE ALL ASPHALT PAVEMENT, CONCRETE SIDEWALK, CURB AND GUTTER, SEWER MANHOLE, ETC. DESIGNATED TO BE REMOVED.
 - 1.2. LOCATE AND PROTECT ALL FEATURES DESIGNATED TO REMAIN.
2. PHASE 2 - UNDERGROUND UTILITY INSTALLATION
 - 2.1. INSTALL NEW SUCTION AND TEMPORARY DISCHARGE LINES AND ISOLATION VALVES FOR NEW PUMP STATION. CLOSE VALVES AND SHUT LINES UP TO CHANGE ELEVATION ABOVE FT.
 - 2.2. INSTALL DEMO LINES FOR FLOOR DRAINS AND PRESSURE RELIEF VALVE.
3. PHASE 3 - SITE PREP AND BUILDING CONSTRUCTION
 - 3.1. GRADE SITE AND PERFORM EARTHWORK NECESSARY FOR BUILDING FOUNDATION INSTALLATION.
 - 3.2. PERFORM FOUNDATION AND FINISH.
 - 3.3. POUR BUILDING FOUNDATION.
 - 3.4. COMPLETE BUILDING CONSTRUCTION.
4. PHASE 4 - MECHANICAL PUMPS/PIPING INSTALLATION
 - 4.1. INSTALL ALL MECHANICAL COMPONENTS INCLUDING PIPING, VALVES, PUMPS, GENERATOR, AND INSTRUMENTATION PER THE DRAWINGS.
5. PHASE 5 - ELECTRICAL INSTALLATION
 - 5.1. REMOVE EXISTING ELECTRICAL FROM THE EXISTING PUMP STATION AND COPE PARK STREET LIGHTING AND BROWNS SERVICES WHILE AELAP TAKES DOWN THE EXISTING 208V 3-PHASE SERVICE.
 - 5.2. INSTALL THE NEW ABOVE 3-PHASE AND 120/240V SERVICES. COORDINATE WITH AELAP TO EITHER REMOVE THE EXISTING STREET LIGHTING METER ON THE POLE OR INSTALL A NEW METER MAIN ON THE NEW PUMP STATION BUILDING TO RECEIVE THE COPE PARK STREET LIGHTING. COORDINATE WITH AELAP TO FEED STREET LIGHTING AND BATHROOM FROM SERVICE METER MOUNTED ON THE NEW PUMP STATION.
 - 5.3. PROVIDE TEMPORARY SCADA AS NEEDED.
6. PHASE 6 - PUMP STATION COMMISSIONING
 - 6.1. PERFORM PUMP STATION SAMPLING, TESTING AND STARTUP PER THE PROJECT SPECIFICATIONS AND PERMITS.
7. PHASE 7 - DECOMMISSION EXISTING PUMP STATION
 - 7.1. ISOLATE THE EXISTING PUMP STATION, REMOVE 12" VALVES AND CONNECT TO EXISTING 18" HOPE WATER PUMP STATION.
 - 7.2. INSTALL FINAL DISCHARGE LINE PIPING TO THE NEW PUMP STATION. DEMO OLD LINE TO THE EXISTING PUMP STATION.
8. PHASE 8 - DEMO EXISTING PUMP STATION
 - 8.1. DEMO EXISTING PUMP STATION INCLUDING ALL ELECTRICAL, MECHANICAL, AND STRUCTURAL.
 - 8.2. SALVAGE EXISTING EQUIPMENT OUTLINED IN SPECIFICATION SECTION 2050 AND DELIVER TO CBJ.
9. PHASE 9 - SITE FEATURES AND GRADING
 - 9.1. MAKE REPAIRS TO THE PAVED DRIVEWAYS.
 - 9.2. REPAIR CURB AND CUTTER, CONCRETE SIDEWALK, ASPHALT PAVEMENT AND OTHER MISCELLANEOUS SITE FEATURES.
10. PHASE 10 - FINAL CLEANUP AND RESTORATION
 - 10.1. PERFORM ALL REMAINING ITEMS OF WORK PER THE DRAWINGS AND SPECIFICATIONS.

SHEET NOTES:

1. CONSTRUCTION SEQUENCE IS ONLY TO SERVE AS A GUIDE. CONTRACTOR RESPONSIBLE FOR DEVELOPING SEQUENCE PLAN PRIOR TO COMMENCING WORK. CONTRACTOR TO SUBMIT PLAN FOR ENGINEER APPROVAL PRIOR TO CONSTRUCTION.
2. EXISTING PUMP STATION TO REMAIN OPERATIONAL THROUGHOUT PROJECT DURATION.
3. PERFORM ALL WORK PURSUANT TO NEG REQUIREMENTS. ENSURE PROPER GROUNDING TO TEMPORARY SYSTEM.
4. COORDINATE WITH AELAP ON SERVICE MODIFICATIONS.
5. CONTRACTOR TO COORDINATE WITH AELAP AND GET APPROVAL FROM CBJ WATER DEPARTMENT PRIOR TO ANY POWER, SCADA OR WATER SHUTDOWNS. PUMP STATION MUST BE OPERATIONAL AT THE END OF EACH SHIFT.

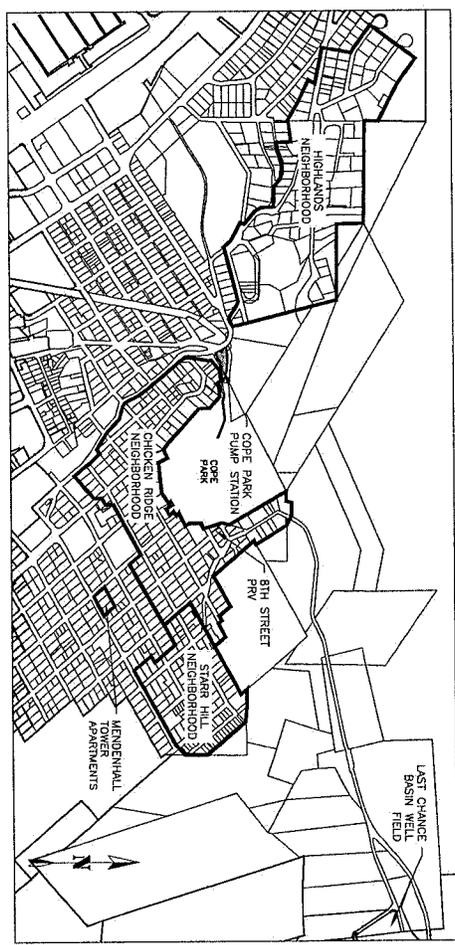
PUMP STATION AND DISTRIBUTION SYSTEM OPERATIONS (EXISTING):

- 100 HIGH ELEVATION SYSTEM AVERAGE FLOW RATE*
- COPE PARK PUMP STATION INLET (SUCTION) PRESSURE*
- COPE PARK PUMP STATION OUTLET (DISCHARGE) PRESSURE*
- THE DOWNTOWN JUNEAU HIGH ELEVATION SYSTEM IS SUPPLIED FROM THE LAST CHANCE BASIN VIA WELL 3 AND THE MILL TUNNEL. DURING NORMAL OPERATIONS THE SYSTEM FLOWS THROUGH MILL TUNNEL, HIGH ELEVATION TUNNEL, AND CONNECTS TO A DISTRIBUTION SYSTEM THAT PROVIDES WATER TO THE STARK HILL, CHICKEN RIDGE, HIGHLANDS NEIGHBORHOODS, AND THE MENDENHALL TOWER APARTMENTS. THIS SYSTEM ALONE IS UNABLE TO PROVIDE EXTREME HIGH DEMAND FLOWS (FREE FLOWS) FOR ALL OF THE HYDRANTS IN THE SYSTEM.
- THE COPE PARK PUMP STATION IS CURRENTLY PROGRAMMED TO OPERATE UNDER EXTREME HIGH DEMAND CONDITIONS AND PULS WATER FROM THE LOW ELEVATION SYSTEM INCREASING ITS PRESSURE AND SUPPLEMENTING THE HIGH ELEVATION SYSTEM FLOWS WHEN NEEDED.
- THE PUMPS ARE PROGRAMMED TO ALTERNATE LEAD OPERATION AFTER EACH START AND ARE CONTROLLED BY PRESSURE SENSORS LOCATED WITHIN THE PUMP STATION.
- *THESE ARE MEASURED VALUES FROM CBJ SCADA SYSTEM AND METERS.



COPE PARK ROAD ISOLATION VALVE LOCATIONS NOTED ON SHEETS C-02 & C-08

CALHOUN AVENUE ISOLATION VALVE SCHEMATIC



DOWNTOWN JUNEAU HIGH ELEVATION SYSTEM



NO.	DATE	RECORD OF REVISIONS	DESCRIPTION	BY



DESIGNED BY	DESIGNED BY	DESIGNED BY	DESIGNED BY
E. ROEMELING	E. ROEMELING	E. ROEMELING	E. ROEMELING
CHECKED BY	CHECKED BY	CHECKED BY	CHECKED BY
L. CHAMBERS	L. CHAMBERS	L. CHAMBERS	L. CHAMBERS

2024 JUN 15 10:41 AM
 18977 786042
 444 E. Front Street, Suite 100
 Anchorage, Alaska 99501
 www.prohns.com



COPE PARK PUMP STATION REPLACEMENT

BE25-317

CONSTRUCTION SEQUENCING AND SYSTEM INFORMATION

SHEET NUMBER
G-02



No.	DATE	DESCRIPTION	BY
RECORD OF REVISIONS			

proHNS LLC
CERTIFICATE OF AUTHORIZATION
#110685

DESIGNED BY: E. ROOMELING
CHECKED BY: L. CHAMBERS
DRAWN BY: E. ROOMELING
DATE: 2021 JUN 15 09:21
JUNEAU, AK 99801
(907) 754-0424
www.prohns.com



COPE PARK PUMP STATION REPLACEMENT

BE25-317

LEGEND ABBREVIATIONS & GENERAL NOTES

SHEET NUMBER
C-01

LEGEND

DESCRIPTION	EXISTING	REMOVE	PROPOSED
ASPHALT	EDGE OF ASPHALT		
BUILDING			
CONCRETE			
CURB AND GUTTER			
OVERHEAD ELECTRIC	ONE - ONE		
SANITARY SEWER PIPE	PIPE SIZE & TYPE		
SANITARY SEWER MANHOLE			
SAWCUT & METE LIMITS			
SIGN			
STORM DRAIN CATCH BASIN			
STORM DRAIN PIPE	ONE - ONE		
UNDERGROUND ELECTRICAL	UGT - UGT		
UTILITY POLE			
UTILITY POLE WITH LUMINAIRE			
WATER LINE PIPE	PIPE SIZE & TYPE		
WATER VALVE BOX			

ABBREVIATIONS

CMP	CORRUGATED METAL PIPE
DIP	DUCTILE IRON PIPE
EA	EDGE OF ASPHALT
FF	FINISH FLOOR
HDPE	HIGH DENSITY POLYETHYLENE
ME	MATCH TO EXISTING
NSF	NATIONAL SANITATION FOUNDATION
PVC	POLYVINYL CHLORIDE PIPE
TKA	TOP OF BLACK CURB
TOC	TOP OF CONCRETE
TPC	TYPICAL

GENERAL NOTES

1. C&G ENGINEERING STANDARD DETAILS BOOK FOR CIVIL ENGINEERING PROJECTS AND SUBDIVISION IMPROVEMENTS FOURTH ADDITION DATED AUGUST 2011 AND C&G ENGINEERING STANDARD SPECIFICATIONS DATED DECEMBER, 2011 SHALL BE USED FOR THIS CONTRACT, INCLUDING ALL ERATA (NOS. 1-18) AND CURRENT REVISIONS AS APPLICABLE.
2. CALL 598-1333 BEFORE YOU DIG FOR UNDERGROUND POWER, TELEPHONE AND CABLE. CALL 811 ALASKA DIGLINE BEFORE YOU DIG FOR UNDERGROUND GAS & OIL LOCATIONS AND ELEVATION OF EXISTING UNDERGROUND WATER AND FIELD LOCATES THE ACTUAL LOCATION OF UTILITIES. THE PLANS WERE DERIVED FROM C&G AS-BUILTS RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING THE UTILITIES THROUGHOUT THE CONSTRUCTION OF THE PROJECT. ANY DAMAGE TO THE UNDERGROUND UTILITIES DURING CONSTRUCTION SHALL BE PAID FOR BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
3. THE ESTIMATED TOTAL AREA OF DISTURBANCE RESULTING FROM THIS PROJECT IS APPROXIMATELY 0.1 ACRES.
4. THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) HAS IDENTIFIED SEVERAL CONTAMINATED SITES WITHIN 1,500 FEET OF THE PROJECT LIMITS THAT ARE CURRENTLY IN "ACTIVE" OR "INSTITUTIONAL CONTROL" STATUS. THERE ARE NO SITES IN THE IMMEDIATE PROJECT AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSULT DEC AND OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK.
5. PROPERTY LINE LOCATIONS USED IN THESE PLANS ARE DERIVED FROM RECORD PLATS AND DO NOT REPRESENT A BOUNDARY SURVEY.
6. CONTRACTOR SHALL ENSURE ACCESS TO COPE PARK AT ALL TIMES. THE CONTRACTOR SHALL NOTIFY C&G PARKS AND RECREATION (957-5228) OF PROPOSED CLOSURES OF COPE PARK ROAD FOR APPROVAL AT LEAST 48 HOURS PRIOR TO CLOSURE. DURING CONTRACTOR WORKING HOURS AT LEAST ONE LANE WITH A MINIMUM WIDTH OF 8 FEET SHALL BE MAINTAINED. TWO-WAY TRAFFIC (18" WIDE DRIVING SURFACE) SHALL BE MAINTAINED WHENEVER THE CONTRACTOR IS NOT ON-SITE, UNLESS APPROVED BY THE ENGINEER. A FULL ROAD CLOSURE MAINTAINED AT ALL TIMES.
7. THE CONTRACTOR SHALL NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE EQUIPMENT WITH ITS TRACKS OR WHEELS PLACED ON PRIVATE PROPERTY, WITHOUT THE WRITTEN APPROVAL OF THE PROPERTY OWNER.
8. THE CONTRACTOR SHALL NOTIFY C&G WATER UTILITIES (LONI VANNIK AT 723-4973) OF PROPOSED WATER SERVICE INTERRUPTION AND SUBMIT THE "WATER SYSTEM SEVERAL USE PERMIT" TO C&G WATER UTILITIES SUPERINTENDENT FOR APPROVAL, AT LEAST 48 HOURS PRIOR TO SHUTDOWN OR FLUSHING OF MAINLINE WATER PIPE. NO WATER SERVICE INTERRUPTION MAY PROCEED UNTIL THIS APPROVAL IS OBTAINED.
9. PRIOR TO INTERRUPTING WATER SERVICE THE CONTRACTOR SHALL VERIFY THAT THE PUMPS, PIPES AND FITTINGS FOR THE WORK ARE ON SITE.
10. ALL ITEMS AND MATERIALS DESIGNATED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF-SITE, UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
11. IF CONTAMINATED SOILS ARE ENCOUNTERED DURING THE CONSTRUCTION PROCESS CONTACT ALASKA DEC CONTAMINATED SITES PROGRAM IMMEDIATELY.



No.	DATE	RECORD OF REVISIONS

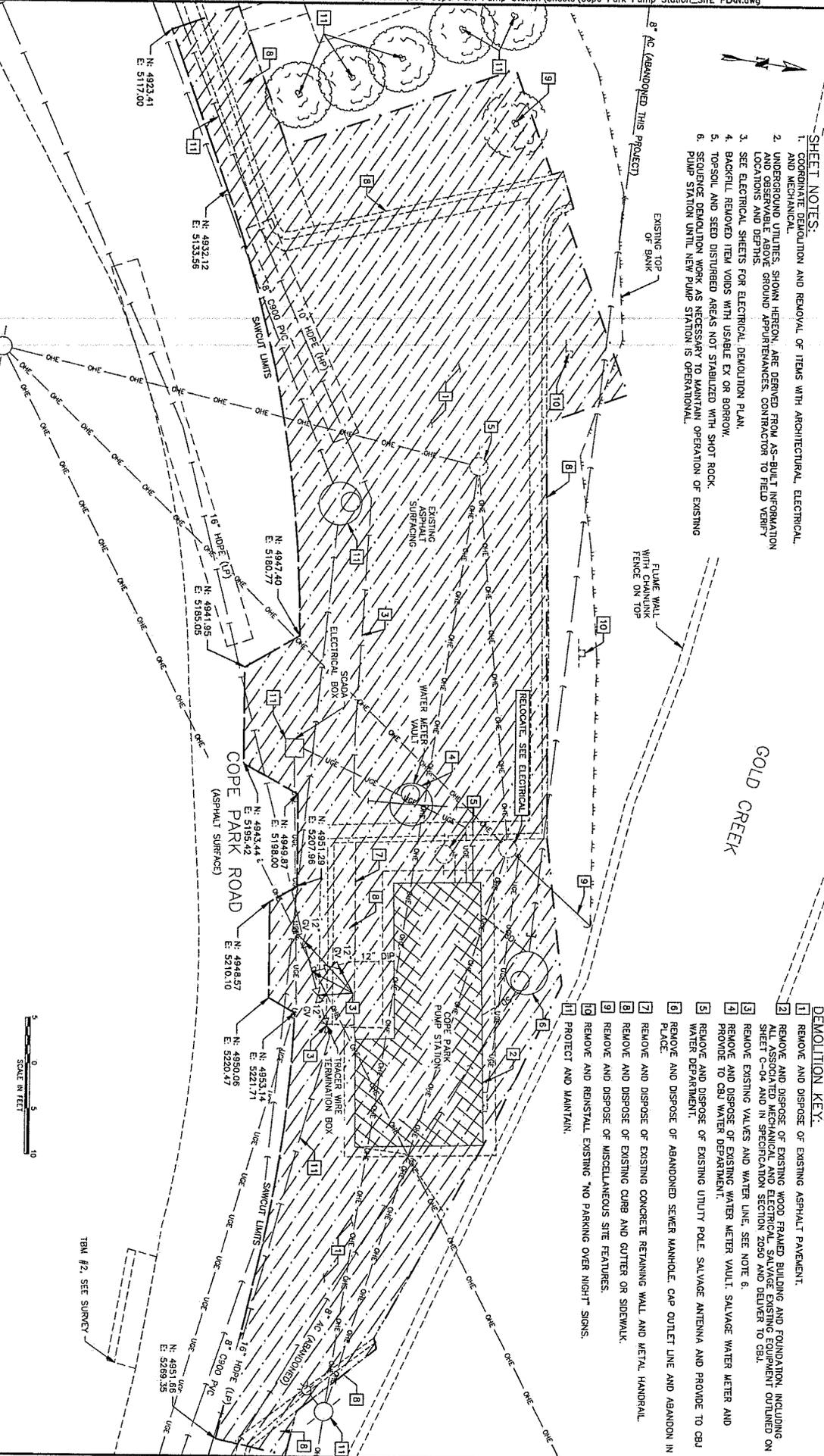
proHNS LLC
 CERTIFICATE OF AUTHORIZATION #10882
 2201 DUAN ST #201
 JUNEAU AK 99801
 (907) 586-9991
 www.prohns.com
 ethan@prohns.com

CITY AND BOROUGH OF JUNEAU
 ALASKA DEPARTMENT OF COMMUNITY DEVELOPMENT
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

SITE DEMOLITION PLAN

SHEET NUMBER C-03



- SHEET NOTES:**
1. CORRECTIVE DEMOLITION AND REMOVAL OF ITEMS WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL.
 2. UNDERGROUND UTILITIES SHOWN HEREON ARE DERIVED FROM AS-BUILT INFORMATION AND FIELD SURVEY. VERIFY GROUND APERTURANCES, CONTRACTOR TO FIELD VERIFY LOCATIONS AND DEPTHS.
 3. SET ELECTRICAL SHEETS FOR ELECTRICAL DEMOLITION PLAN.
 4. BACKFILL REMOVED ITEM VOIDS WITH USABLE EX OR BORROW.
 5. TOPSOIL AND SEED DISTURBED AREAS NOT STABILIZED WITH SHOT ROCK.
 6. SEQUENCE DEMOLITION WORK AS NECESSARY TO MAINTAIN OPERATION OF EXISTING PUMP STATION UNTIL NEW PUMP STATION IS OPERATIONAL.

- DEMOLITION KEY:**
- 1 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT.
 - 2 REMOVE AND DISPOSE OF EXISTING WOOD FRAMED BUILDING AND FOUNDATION INCLUDING ALL ASSOCIATED MECHANICAL AND ELECTRICAL SALVAGE EXISTING EQUIPMENT OUTLINED ON SHEET C-04 AND IN SPECIFICATION SECTION 2050 AND DELIVER TO CBJ.
 - 3 REMOVE EXISTING VALVES AND WATER LINE. SEE NOTE 6.
 - 4 REMOVE AND DISPOSE OF EXISTING WATER METER VAULT SALVAGE WATER METER AND PROVIDE TO CBJ WATER DEPARTMENT.
 - 5 REMOVE AND DISPOSE OF EXISTING UTILITY POLE. SALVAGE ANTENNA AND PROVIDE TO CBJ WATER DEPARTMENT.
 - 6 REMOVE AND DISPOSE OF ABANDONED SEWER HANHOLE. CAP OUTLET LINE AND ABANDON IN PLACE.
 - 7 REMOVE AND DISPOSE OF EXISTING CONCRETE RETAINING WALL AND METAL HANDRAIL.
 - 8 REMOVE AND DISPOSE OF EXISTING CURB AND CUTTER OR SIDEWALK.
 - 9 REMOVE AND DISPOSE OF MISCELLANEOUS SITE FEATURES.
 - 10 REMOVE AND REINSTALL EXISTING "NO PARKING OVER NIGHT" SIGNS.
 - 11 PROTECT AND MAINTAIN.





No.	DATE	DESCRIPTION	BY
RECORD OF REVISIONS			



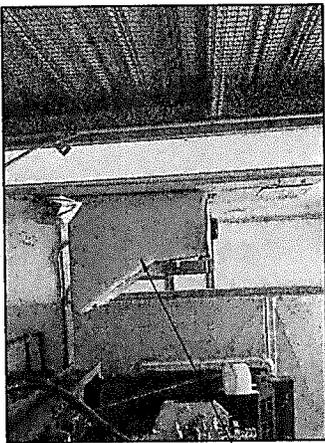
DRAWN BY: E. ROCKELING
 CHECKED BY: J. CHAMBERS
 2021 QUINCY ST NW
 JUNEAU, AK 99901
 (907) 756-0024
 www.prohns.com



CITY AND BOROUGH OF
JUNEAU
 Alaska CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

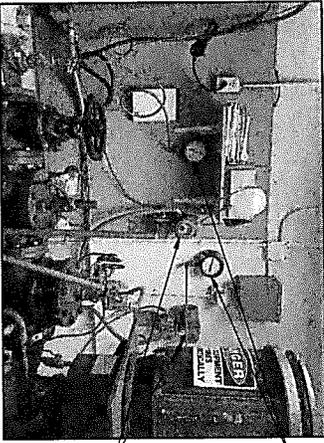
COPE PARK PUMP
 STATION REPLACEMENT
 BE25-317

SHEET NUMBER
C-04



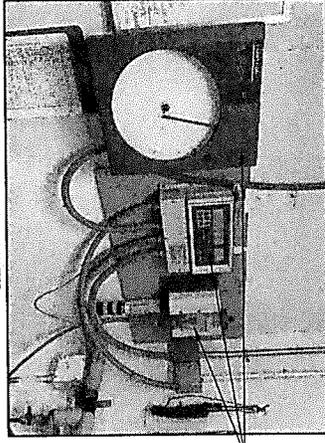
SALVAGE - EYE WASH STATION

EYE WASH STATION



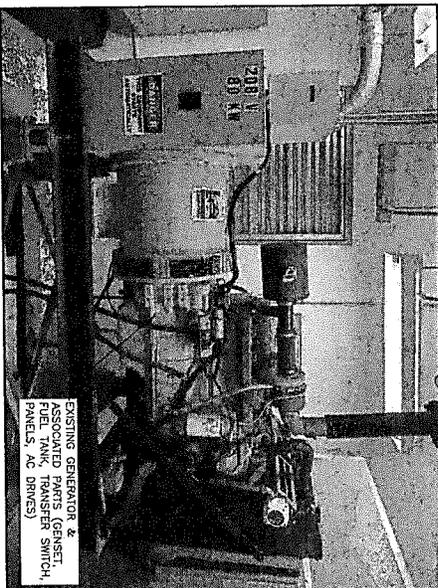
SALVAGE - PRESSURE GAUGES AND TRANSDUCERS

PRESSURE TRANSDUCERS (X5)



SALVAGE - RESIDUAL ANALYZER

RESIDUAL ANALYZER

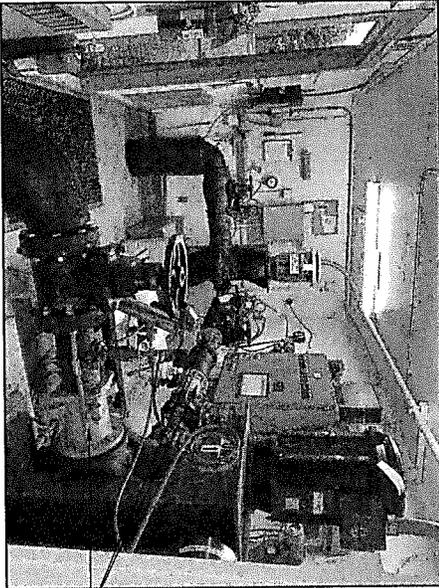


EXISTING PUMP STATION - GENERATOR ROOM

EXISTING GENERATOR & ASSOCIATED PARTS (GENSET, FUEL TANK, TRANSFER SWITCH, PANELS, AC BRNKS)

EXISTING PUMP STATION - MECHANICAL ROOM

SHEET NOTES:
1. SALVAGE EXISTING EQUIPMENT CALLED OUT ON THIS SHEET AND DELIVER TO C&I.

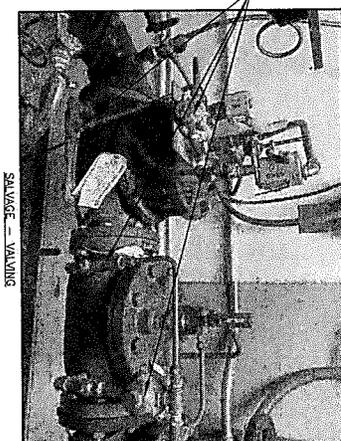


ALL BRASS AND PILOT CONTROLS FROM PUMP CONTROL VALVES AND FLOW CONTROL VALVES (X4)

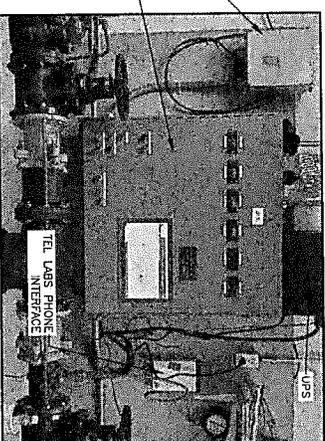
FLANGE COUPLING ADAPTERS 6" (X2)

FIBER JUNCTION BOX

INTERIOR COMPONENTS OF PLC CABINET

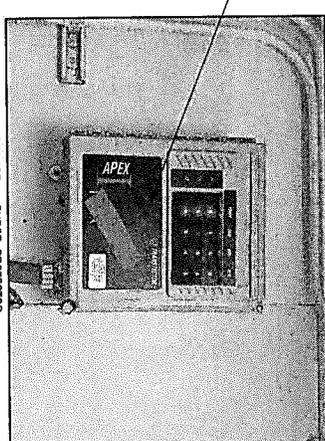


SALVAGE - VALVING



SALVAGE - CONTROL PANEL

TEL LABS PHONE INTERFACE



SALVAGE - SURGE PROTECTOR

SURGE PROTECTOR

SALVAGE DETAILS



NO.	DATE	RECORD OF REVISIONS

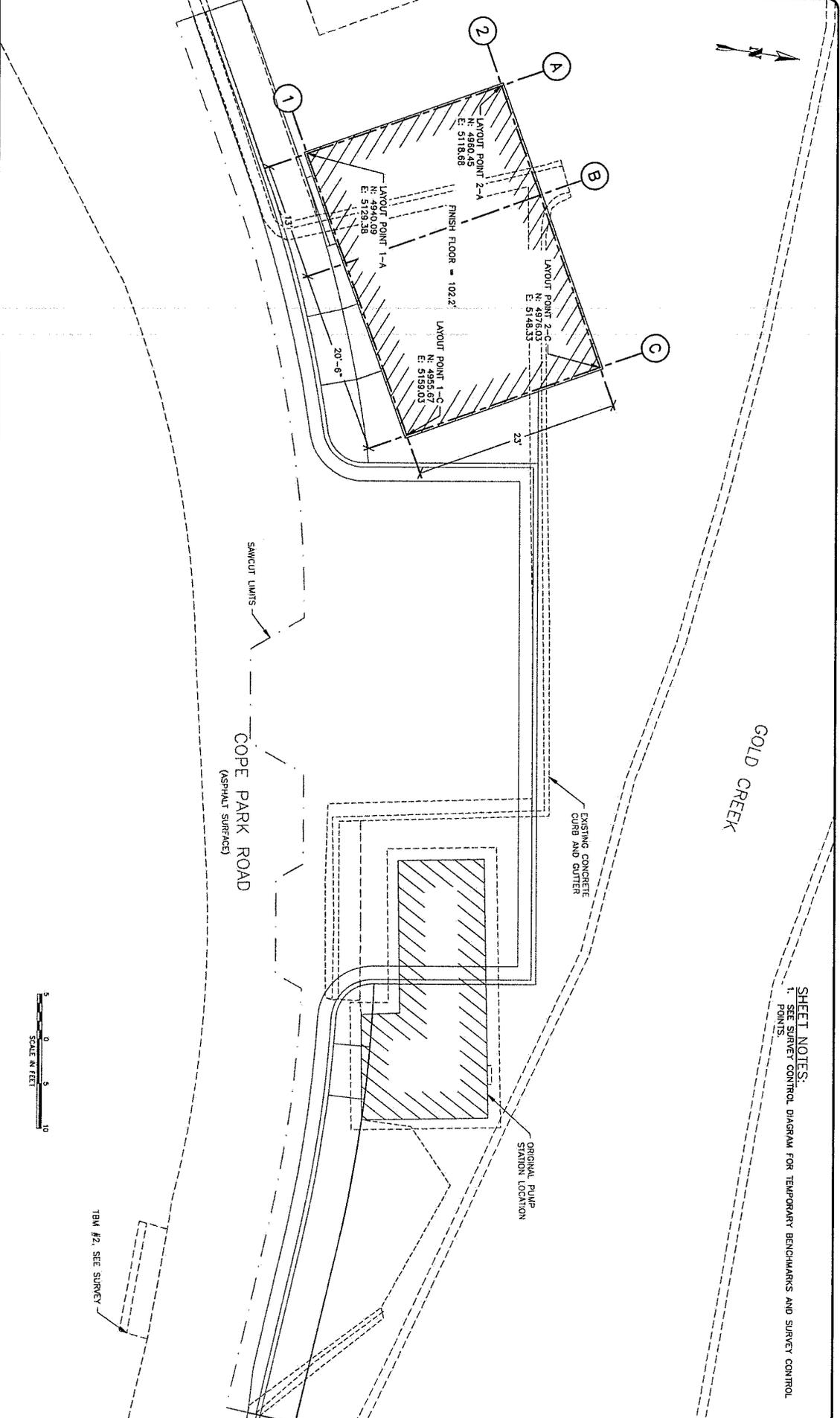
proHNS LLC
 DISTRICT OF AUTHORIZATION #100622
 2011 CHUN ST #201
 JUNEAU AK 99801
 (907) 796-0800
 www.prohns.com

CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

BUILDING LAYOUT PLAN

SHEET NUMBER C-05



SHEET NOTES:
 1: SEE SURVEY CONTROL DIAGRAM FOR TEMPORARY BENCHMARKS AND SURVEY CONTROL POINTS

June 18, 2025



No.	DATE	RECORD OF AMENDMENTS DESCRIPTION	BY

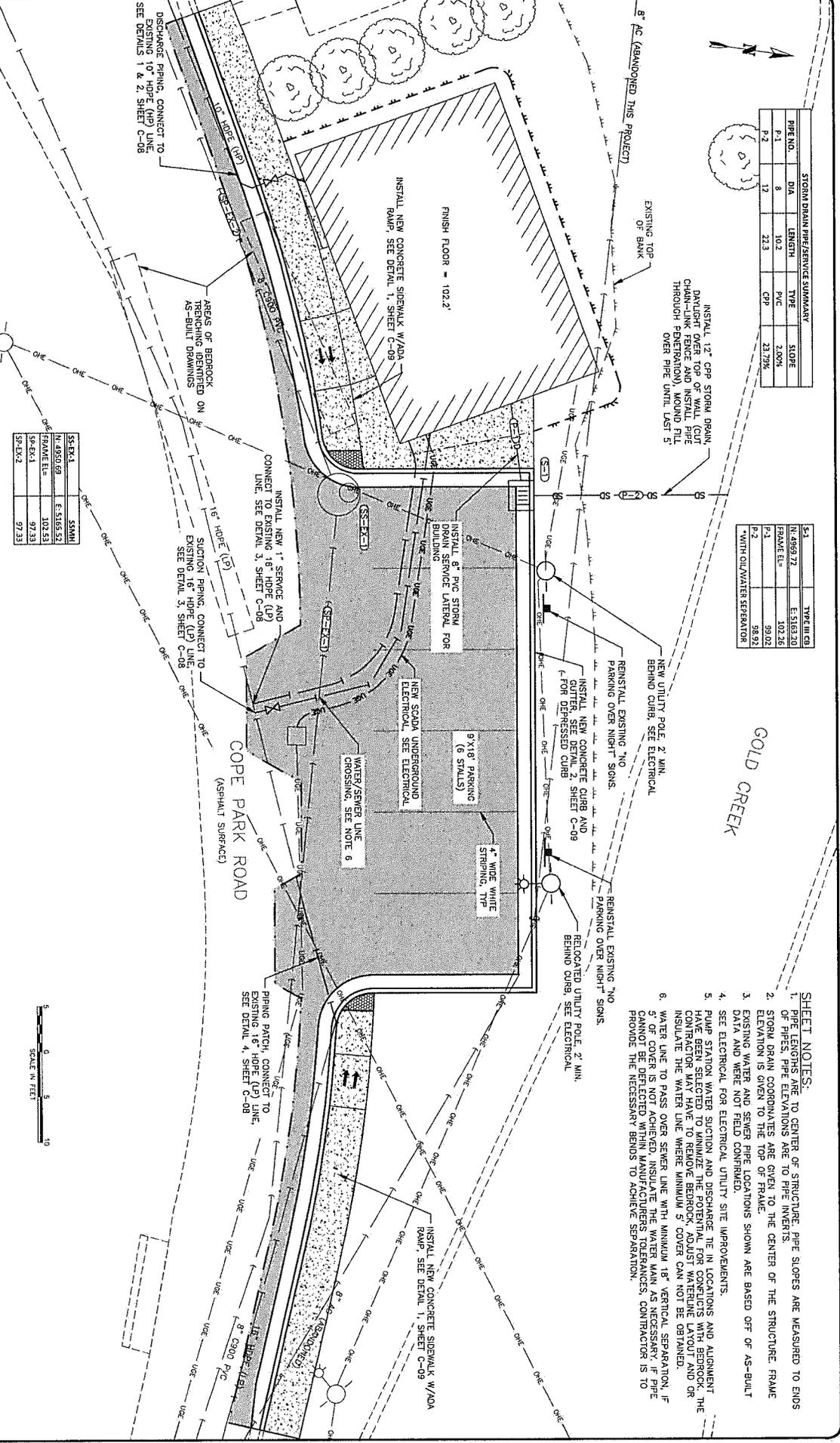
proHNS LLC
CENTRIFUGAL PUMP REPAIR
11400 W. BEAR CREEK RD.
ANCHORAGE, AK 99515
408.456.8888
www.prohns.com

CITY AND BOROUGH OF
JUNEAU
ALASKA'S CAPITAL CITY

COPE PARK PUMP
STATION REPLACEMENT

CIVIL SITE PLAN

SHEET NUMBER
C-06



STORM DRAIN PIPE/SERVICE SUMMARY

PIPE NO.	DIA.	LENGTH	TYPE	SCOPE
P-1	8"	10.2'	PVC	2,00%
P-2	12"	23.3'	CPP	23.70%

SI	TYPE III CB
N-1989772	E-5163.20
FRAME EL=	102.26
P-1	99.02
P-2	98.92

WITH OIL/WATER SEPARATOR

- SHEET NOTES:**
- PIPE LENGTHS ARE TO CENTER OF STRUCTURE. PIPE SLOPES ARE MEASURED TO ENDS OF PIPES. PIPE ELEVATIONS ARE TO PIPE INVERTS.
 - STORM DRAIN COORDINATES ARE GIVEN TO THE CENTER OF THE STRUCTURE. FRAME ELEVATION IS GIVEN TO THE TOP OF FRAME.
 - EXISTING WATER AND SEWER PIPE LOCATIONS SHOWN ARE BASED OFF OF AS-BUILT DATA AND WERE NOT FIELD CONFIRMED.
 - SEE ELECTRICAL FOR ELECTRICAL UTILITY SITE IMPROVEMENTS.
 - PUMP STATION WATER SUCTION AND DISCHARGE TE IN LOCATIONS AND ALIGNMENT HAVE BEEN SELECTED TO MINIMIZE THE POTENTIAL FOR CONFLICTS WITH BEDROCK. THE CONTRACTOR MAY HAVE TO REMOVE BEDROCK, ADJUST WATERLINE LAYOUT AND OR INSULATE THE WATER LINE WHERE MINIMUM 5' COVER CAN NOT BE OBTAINED.
 - WATER LINE TO PASS OVER SEWER LINE WITH MINIMUM 18" VERTICAL SEPARATION. IF 5' OF COVER IS NOT ACHIEVED, INSULATE THE WATER MAIN AS NECESSARY. IF PIPE CANNOT BE DEFLECTED WITHIN MANUFACTURERS TOLERANCES, CONTRACTOR IS TO PROVIDE THE NECESSARY BRIDS TO ACHIEVE SEPARATION.





No.	DATE	RECORD OF REVISIONS

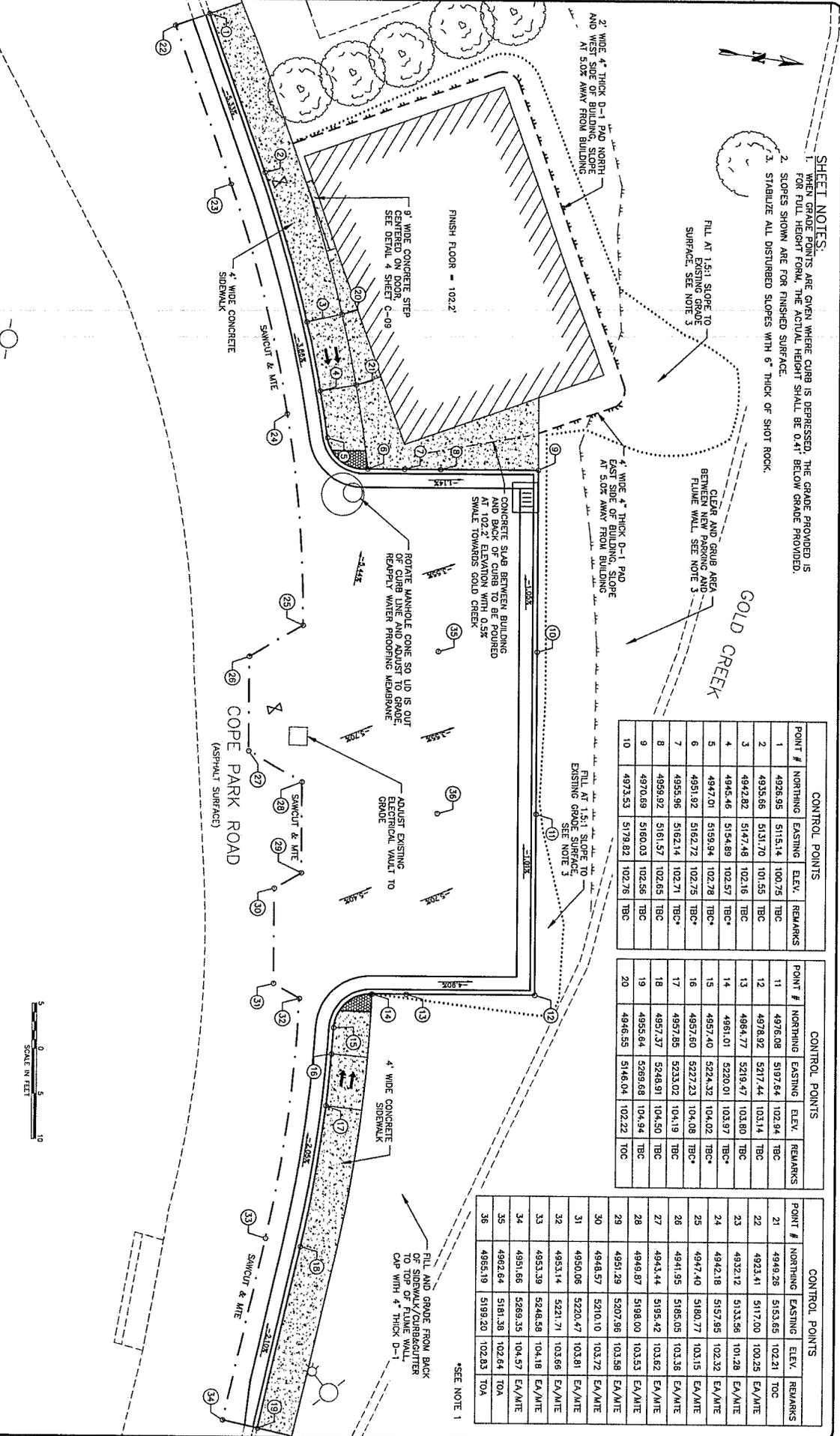
proHNS LLC
 CERTIFICATE OF AUTHORIZATION #10002
 2021 DUNN ST #201
 JUNEAU AK 99801
 (907) 786-0400
 ead@prohns.com
 www.prohns.com

CITY AND BOROUGH OF JUNEAU
 JUNEAU CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

SITE GRADING PLAN

SHEET NUMBER C-07



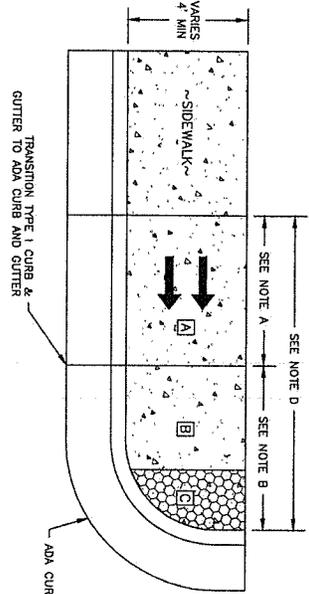
SHEET NOTES:
 1. WHEN GRADE POINTS ARE GIVEN WHERE CURB IS DEPRESSED, THE GRADE PROVIDED IS FOR FULL HEIGHT FORM. THE ACTUAL HEIGHT SHALL BE 0.41' BELOW GRADE PROVIDED.
 2. SLOPES SHOWN ARE FOR FINISHED SURFACE.
 3. STABILIZE ALL DISTURBED SLOPES WITH 6" THICK OF SHOT ROCK.

POINT #	NORTHING	EASTING	ELEV.	REMARKS
1	4926.95	5115.14	100.75	TBC
2	4935.66	5131.70	101.55	TBC
3	4942.82	5147.48	102.16	TBC
4	4945.46	5154.89	102.57	TBC*
5	4947.01	5159.94	102.78	TBC*
6	4951.92	5162.72	102.75	TBC*
7	4955.96	5162.14	102.71	TBC*
8	4959.92	5161.57	102.65	TBC
9	4970.69	5160.03	102.56	TBC
10	4973.53	5179.82	102.76	TBC

POINT #	NORTHING	EASTING	ELEV.	REMARKS
11	4976.08	5197.64	102.94	TBC
12	4978.92	5217.44	103.14	TBC
13	4984.77	5219.47	103.80	TBC
14	4981.01	5220.01	103.97	TBC*
15	4987.40	5224.32	104.02	TBC*
16	4987.60	5227.23	104.08	TBC*
17	4987.85	5233.02	104.19	TBC
18	4987.37	5248.91	104.50	TBC
19	4985.64	5269.68	104.94	TBC*
20	4946.55	5146.04	102.22	TBC

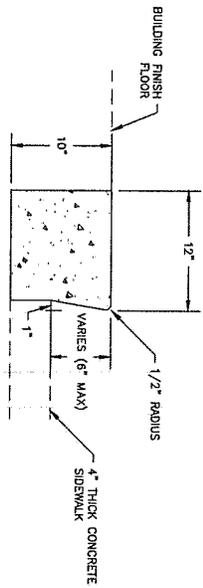
POINT #	NORTHING	EASTING	ELEV.	REMARKS
21	4946.28	5115.65	102.21	TBC
22	4923.41	5117.00	100.25	EA/MTE
23	4932.12	5133.56	101.28	EA/MTE
24	4942.18	5157.95	102.32	EA/MTE
25	4947.40	5180.77	103.15	EA/MTE
26	4941.95	5185.05	103.36	EA/MTE
27	4943.44	5195.42	103.62	EA/MTE
28	4948.87	5198.00	103.53	EA/MTE
29	4951.29	5207.96	103.58	EA/MTE
30	4948.57	5210.10	103.72	EA/MTE
31	4950.06	5220.47	103.81	EA/MTE
32	4953.14	5221.71	103.66	EA/MTE
33	4953.39	5248.58	104.18	EA/MTE
34	4951.66	5269.35	104.57	EA/MTE
35	4982.84	5181.38	102.64	TOA
36	4965.19	5199.20	102.83	TOA





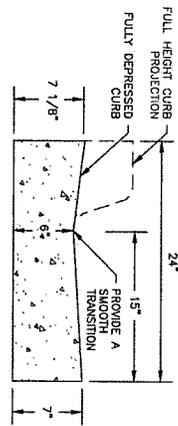
1 ADA CURB RAMP DETAIL - TYPE I
C-09 SCALE: NOT TO SCALE

- DETAIL 1/C-09 NOTES:
- CONSTRUCT RAMP SLOPES AT 1.70% NOMINAL GRADE. OR FLATTER RAMP SLOPES MAY BE INCREASED TO A MAXIMUM 8.33% WHEN SITE CONDITIONS WARRANT IT. 1.50% CROSS SLOPE (MAXIMUM 2.0%).
 - LANDING AREA - 4'x4' MIN DIMENSIONS AND 1.50% SLOPE IN ALL DIRECTIONS (MAXIMUM 2.0%). GRADE TO DRAIN TOWARD CUTTER FLOW LINE.
 - 2'x4' DETECTABLE WARNING TILE. MODIFY AS NECESSARY TO MATCH RADIIUS.
 - ALL CONCRETE SHALL BE 6" IN DEPTH.



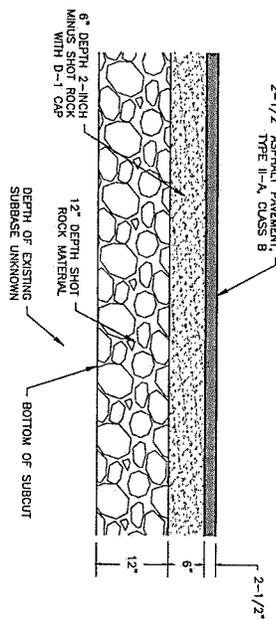
4 CONCRETE DOOR STEP DETAIL
C-09 SCALE: NOT TO SCALE

- DETAIL 4/C-09 NOTES:
- CONCRETE TO MEET THE REQUIREMENTS OF CBJ STANDARD DETAIL 111A.



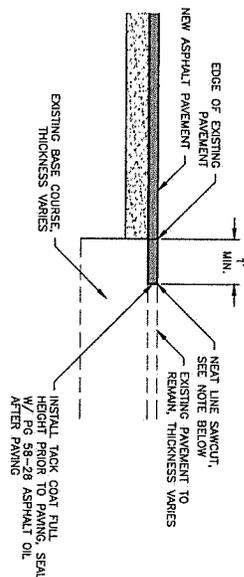
2 ADA CURB & GUTTER DETAIL
C-09 SCALE: NOT TO SCALE

- DETAIL 2/C-09 NOTES:
- ADA CURB & GUTTER DETAIL SHALL BE USED ONLY WHERE SPECIFIED ON THE PLANS. SEE CBJ STANDARD DETAIL 106 FOR ADDITIONAL INFORMATION.
 - SEE CBJ DETAIL 111A FOR FULL HEIGHT TYPE I CURB & GUTTER.
 - USE A SMOOTH TRANSITION BETWEEN FULL HEIGHT CURB AND FULLY DEPRESSED CURB.



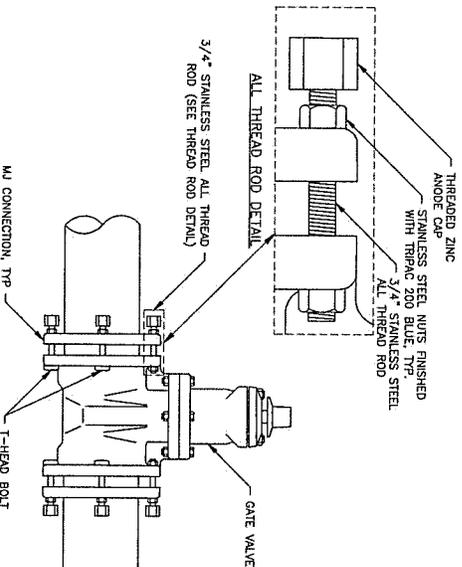
5 PAVING AREA TYPICAL SECTION
C-09 SCALE: NOT TO SCALE

- DETAIL 5/C-09 NOTES:
- COMPACT D-1 BASE COURSE TO MINIMUM 95% OF MODIFIED PROCTOR DENSITY (ASTM D1557)
 - PROOF ROLL BOTTOM OF SUBCUT EXCAVATION SHALL BE PERFORMED USING A TAMPING ROLLER OR VIBRATORY COMPACTOR. A MINIMUM OF THREE (3) PASSES SHALL BE MADE OVER THE SUBCUT SOILS AND AS APPROVED BY THE ENGINEER.
 - AT SITE OF EXISTING PUMP STATION DEGRADATION LEFT BY BUILDING OF FOUNDATION TO BE FILLED WITH USABLE EX OR BORROW TO BOTTOM OF STRUCTURAL SECTION.



3 PAVEMENT MATCH JOINT
C-09 SCALE: NOT TO SCALE

- DETAIL 3/C-09 NOTES:
- FINAL SAWCUT OF EXISTING ASPHALT SHALL NOT BE MADE UNTIL 24 HOURS PRIOR TO PAVING.



6 VALVE BOLT CONNECTION DETAIL
C-09 SCALE: NOT TO SCALE



NO.	DATE	RECORD OF REVISIONS	BY

proHNS LLC
CERTIFICATE OF AUTHORIZATION #100062
2201 DAWN ST #201
JUNEAU, AK 99901
(907) 754-0440
ethan@prohns.com
www.prohns.com

CITY AND BOROUGH OF JUNEAU
ALASKA CAPITAL CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

CIVIL DETAILS - 2
SHEET NUMBER
C-09



RECORD OF REVISIONS

No.	DATE	DESCRIPTION	BY

ENGINEERS, INC.
CERTIFICATE OF AUTHORIZATION
CANK REC2259

DRAWN BY: DSD
CHECKED BY: JMH
DESIGNED BY: JMH
NO. OF DIMENSIONS: 100
5400 JUNEBAU AVE #901
WWW.ENGINEERSINC.COM



ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

STANDARD DETAILS AND SPECIAL INSPECTIONS

SHEET NUMBER S-02

SLAB REINFORCING SCHEDULE

THICKNESS	TYPE	REINFORCING	CONCRETE COVER
6"	ON GRADE	#4 @ 12" O.C. EACH WAY	MIN-DEPTH
4"	HOUSEREFINING	#4 @ 12" O.C. EACH WAY	MIN-DEPTH

ACI STANDARD 90° HOOK DIMENSIONS							
BAR SIZE	#3	#4	#5	#6	#7	#8	
MIN. BEND DIAM. (d)	2 1/2"	3"	3 1/2"	4 1/2"	5 1/2"	6"	
EXTENSION LENGTH (l)	6"	8"	10"	12"	14"	16"	

LAP SPLICES							
BAR SIZE	#3	#4	#5	#6	#7	#8	
CLASS B SPLICE	28"	37"	47"	56"	67"	93"	

NOTE: REFERENCE ACI 318-05 SEC. 7.1 & 12.5.4

NOTE: INCREASE TABULATED LAP LENGTH BY 20% FOR EXPOSURE CONDITION

REINFORCING CLEARANCE/COVER

EXPOSURE CONDITION	MIN. COVER	TOLERANCE
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"	-3/8", +1"
EXPOSED TO EARTH OR WEATHER	1-1/2"	-1/2", +1/2"
#5 AND SMALLER BARS:	2"	-1/4", +1/2"
#6 AND LARGER BARS:	3/4"	-1/4", +1/2"
NOT EXPOSED TO EARTH, WEATHER OR IN CONTACT WITH GROUND:	1-1/2"	-1/4", +1/2"

NOTES: "-" INDICATES TOLERANCE DECREASE TOWARDS MEMBER FACE. "+" INDICATES AWAY FROM MEMBER FACE.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE

VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	REFERENCE FOR GENERAL REF. STANDARD OR REFERENCE
1 INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	PERIODIC	3.5, 7, 1-1/2
2 INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1703.2.2, 1704.2	PERIODIC	AWSD D1.4 AQ
3 INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED	PERIODIC	ACI 318: 8.1.3, 21.2.8
4 INSPECTION OF ANCHORS POST INSTALLED IN HARDENED CONCRETE	PERIODIC	ACI 318: 3.8.6, 8.1.3, 21.2.8
5 VERIFY USE OF REQUIRED MIX DESIGN	PERIODIC	ACI 318: 1904.3, 1910.2
6 AT THE TIME FIRST CONCRETE IS PLACED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	CONTINUOUS	ASTM C172, ASTM C173, ACI 318: 5.6, 5.8
7 INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	ACI 318: 5.9, 5.10
8 INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TECHNIQUES	PERIODIC	ACI 318: 1910.9
9 INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING BUILT	PERIODIC	ACI 318: 6.11

REQUIRED INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	REMARKS
1 VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC	
2 VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC	
3 PERFORM CLASSIFICATION AND TESTING OF FILL MATERIALS	PERIODIC	
4 VERIFY USE OF PROPER MATERIALS, TESTS AND LEFT THICKNESS DURING PLACEMENT AND	CONTINUOUS	
5 PROVE TO BE ADEQUATE TO SUPPORT FILL, GROUND IMPROVEMENT AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	

STATEMENT OF SPECIAL INSPECTIONS

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL EMPLOYED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT.

SPECIAL INSPECTOR QUALIFICATIONS:
SPECIAL INSPECTORS SHOULD HAVE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING THEIR COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING.

INSPECTION TASKS:
SPECIAL INSPECTION TASKS ARE LISTED IN THE ATTACHED TABLES AND IN THE 2021 EDITION OF THE IBC CHAPTER 17.

FABRICATOR APPROVAL:
SPECIAL INSPECTIONS REQUIRED BY SECTION 1705 ARE NOT REQUIRED WHERE THE FABRICATOR HAS BEEN SPECIALLY QUALIFIED BY THE REGISTERED DESIGN PROFESSIONAL TO DESTROYING TESTING REQUIREMENTS CANNOT BE WAIVED PER ASCE 308-16 CHAPTER 17. THE FABRICATOR'S FABRICATOR SHALL PERFORM OR ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM REQUIRED TESTING ON THE PREMISES OF THE FABRICATOR UPON COMPLETION OF TESTING.

REPORT REQUIREMENTS:
SPECIAL INSPECTIONS SHALL BE REPORTED ON A DAILY BASIS AND DISTRIBUTED ON A WEEKLY BASIS. COPIES OF REPORTS SHALL BE FURNISHED TO THE REGISTERED DESIGN PROFESSIONAL, THE ENGINEER OF RECORD AND THE ARCHITECT OF RECORD. REPORTS SHALL INDICATE WHETHER THE WORK WAS OR WAS NOT COMPLETED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE REGISTERED DESIGN PROFESSIONAL'S ATTENTION. REGISTERED DESIGN PROFESSIONALS SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING THE SPECIAL INSPECTIONS PERFORMED AND THE CORRECTION OF ANY DISCREPANCIES SHALL BE DISTRIBUTED AS NOTED ABOVE.

STRUCTURAL OBSERVATIONS:
THE OWNER SHALL EMPLOY THE REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS AS REQUIRED PER IBC CH 1704.6

STRUCTURAL GENERAL NOTES

FOUNDATION:
FOUNDATION HAS BEEN DESIGNED WITH AN ALLOWABLE BEARING PRESSURE OF 2,000 PSF BASED UPON THE ANTICIPATION OF ENCOUNTERING THE 4" SAND, SILTY SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL AS DEFINED BY TABLE 1606.2 IN THE IBC AT LIMIT OF FOUNDATION. FOUNDATIONS SHALL BEAR ON COMPACTED BASE COURSE OVER COMPACTED NATIVE MATERIAL OR STRUCTURAL FILL.

CONTRACTOR SHALL VERIFY CONDITIONS AT THE LIMIT OF EXCAVATION. SHOULD ANY DEBRIS, GARBAGE, MUCK, FROZEN MATERIAL, ORGANICS OR OTHER UNSUBSTRATE OR SOFT MATERIAL BE ENCOUNTERED, CONTRACTOR SHALL REMOVE SUCH MATERIAL AND REPLACE WITH A VIBRATORY DOUBLE DRUM ROLLER OR PLATE COMPACTOR WITH A MINIMUM WEIGHT OF 10,000 POUNDS. CONTRACTOR SHALL NOTIFY THE EOR IF CONDITIONS AT THE LIMIT OF EXCAVATION VARY FOR THE SOILS NOTED ABOVE.

CONTRACTOR SHALL EXCAVATE 12" BELOW FINAL AT-GRADE ELEVATION AND PLACE NON-FROST SUSCEPTIBLE FILL. IN-SITU MATERIAL IS ACCEPTABLE IF FOUND TO BE NON-FROST SUSCEPTIBLE. FROST SUSCEPTIBLE MATERIAL WITH UNDISTURBED GRANULAR SOILS SHALL BE REMOVED AND REPLACED WITH UNDISTURBED GRANULAR MATERIAL. CONTRACTOR SHALL NOTIFY THE EOR IF CONDITIONS AT THE LIMIT OF EXCAVATION VARY FOR THE SOILS NOTED ABOVE.

CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS ON SITE, MODIFIED TO REFLECT ALL DESIGN CHANGES TO THE ORIGINAL DRAWING SET.

AND ENGINEERS INC IS NOT RESPONSIBLE FOR SURETY PROGRAMS, METHODS, OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL PROTECT ALL UTILITIES AND ARE NOT PERMITTED FOR ANY REASON TO REMOVE OR DAMAGE UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.



NO.	DATE	RECORD OF REVISIONS	BY

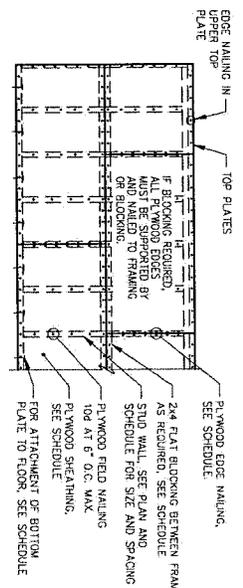
PND ENGINEERS, INC.
 CENTRAL OFFICE OF AUTORIZATION
 3901 GLAZIER HWY STE 100
 ANN ARBOR, MI 48106
 (734) 769-0333
 www.pndengineers.com
 PND 4232114

CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE26-317

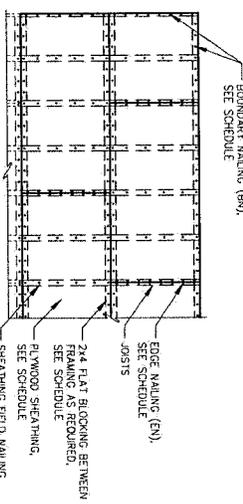
STANDARD DETAILS
 S-03

SHEET NUMBER



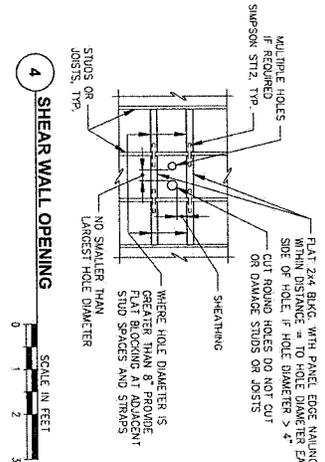
- NOTES:**
1. PLYWOOD IS SHOWN HORIZONTAL. IT MAY ALSO BE POSITIONED VERTICAL.
 2. STUDS MUST JOIN AT A MINIMUM OF TWO STUD SPACES.
 3. WALLS AT ABUTTING PLYWOOD EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.
 4. SEE ADDITIONAL BLOCKING AND PLANS FOR HOLD DOWNS, STRAPS AND ANCHOR SCHEDULE.

1 TYPICAL SHEAR WALL DETAIL

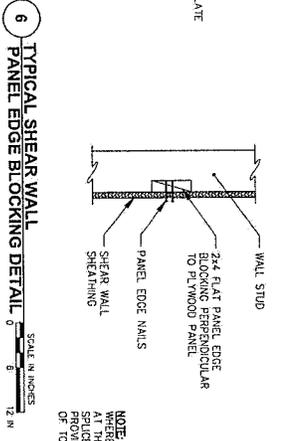


- NOTES:**
1. STAGGER SHEATHING JOISTS A MINIMUM OF TWO JOIST SPACES.
 2. SEE PLAN AND SCHEDULE FOR JOIST SPACING AND STRAP SPACING. SAME PIECE OF FRAMING OR BLOCKING.

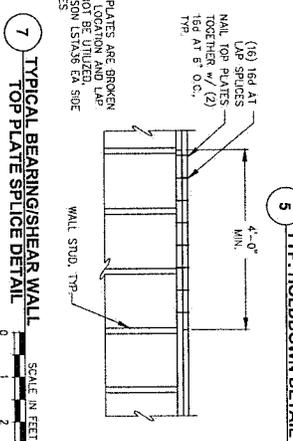
2 TYPICAL DIAPHRAGM DETAIL



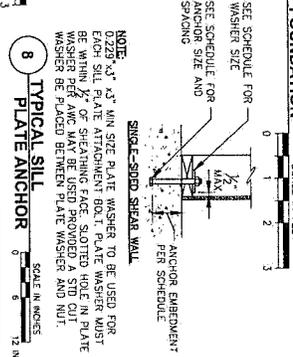
3 SHEAR WALL OPENING



4 TYPICAL PANEL EDGE BLOCKING DETAIL



5 TYP. HOLDDOWN DETAIL AT FOUNDATION



6 TYPICAL SILL PLATE ANCHOR

HOLD DOWN SCHEDULE			
MARK	SIZE	MIN. O.C. SIZE	ANCHOR BOLT #
H01	H015-S015Z S1 (2) 2x6	3/8"	1/2"

DIAPHRAGM SHEATHING SCHEDULE			
MARK	SIZE	TRIMMERS	HEADER ATTACHMENT
H1	6x12	(3) 2x6	(9) 16d NAILS

SHEAR WALL SCHEDULE			
MARK	SHEATHING	SIZES	ANCHOR BOLTS
W1	15/32" T1	SINGLE	1/2" BOLT AT 48" O.C., EMBED 12" MIN WITH SIMPSON BR5 3/8"-3
W2	15/32" T1	SINGLE	1/2" BOLT AT 24" O.C., EMBED 12" MIN WITH SIMPSON BR5 3/8"-3

BLOCKING SCHEDULE			
MARK	SIZE	MIN. O.C. SIZE	ANCHOR BOLT #
B1	H015-S015Z S1 (2) 2x6	3/8"	1/2"

NOTE: SHEAR WALL ANCHOR SHALL BE LOCATED WITHIN 12" OF EDGE OF WALL.



No.	DATE	RECORD OF REVISIONS	BY

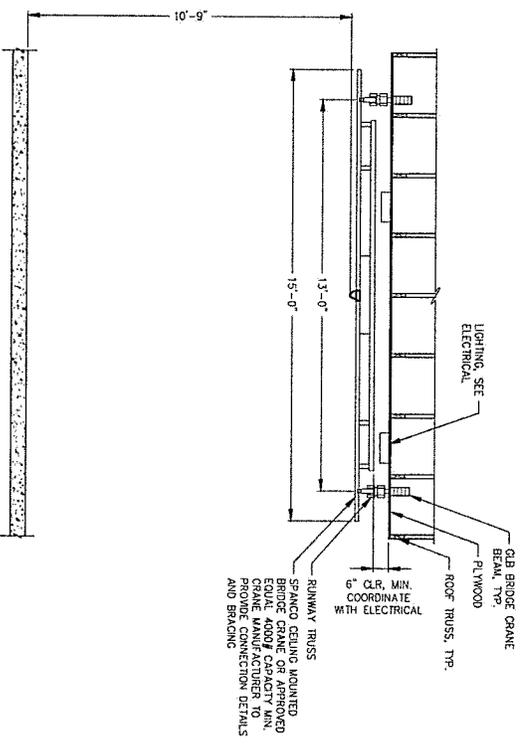
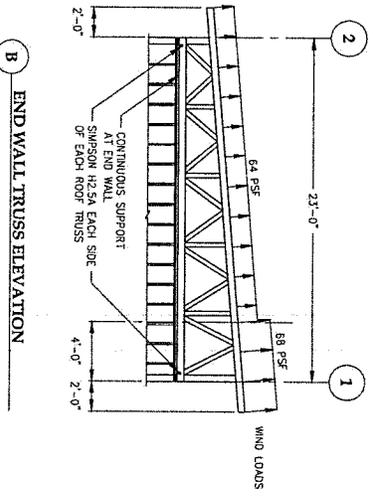
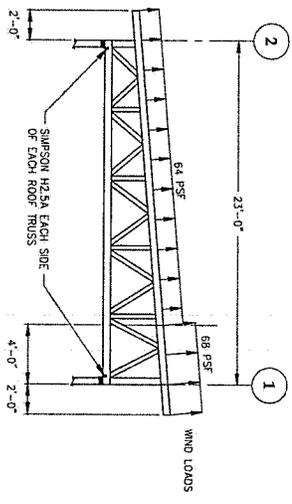
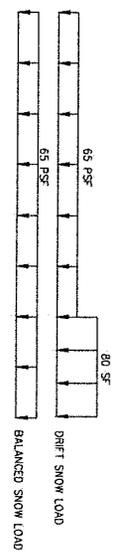
P N D
ENGINEERS, INC.
 CERTIFICATE OF AUTHORIZATION
 CAN. REG. 202314

DRAWN BY: **OND**
 DESIGNED BY: **MARK**
 CHECKED BY: **MARK**
 PROJECT NO.: **232014-01**
 8800 Old Kent Road, Suite 100
 Jamaica, NY 11432
 www.pndengineers.com

CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE26-317

ROOF TRUSS LOADING DIAGRAM AND BRIDGE CRANE
 SHEET NUMBER **S-04**



- NOTES:**
- 1) WIND LOADS ARE ALTIMATE (UPD). MULTIPLY BY 0.6 FOR SERVICE (ASD) LOADS.
 - 2) SNOW LOAD APPLIES TO ALL TRUSSES.
 - 3) TRUSS TOP CHORD DEAD LOAD = 15 PSF. ADD ADDITIONAL DEAD LOAD FOR OVERBRACING TRUSSES WHERE APPLICABLE.
 - 4) TRUSS BOTTOM CHORD DEAD LOAD = 10 PSF.
 - 5) TRUSS BOTTOM CHORD LIVE LOAD = 20 PSF UNO IN SECTION 4.121 AND 4.122 OF ASCE 7-16.
 - 6) TRUSS BRACING PER MANUFACTURER.



No.	DATE	RECORD OF REVISIONS DESCRIPTION	BY

PND ENGINEERS, INC.
 CENTRICITY CENTER OF AUTUMNIZATI
 52 N. ANCHORAGE
 ANCHORAGE, ALASKA 99501

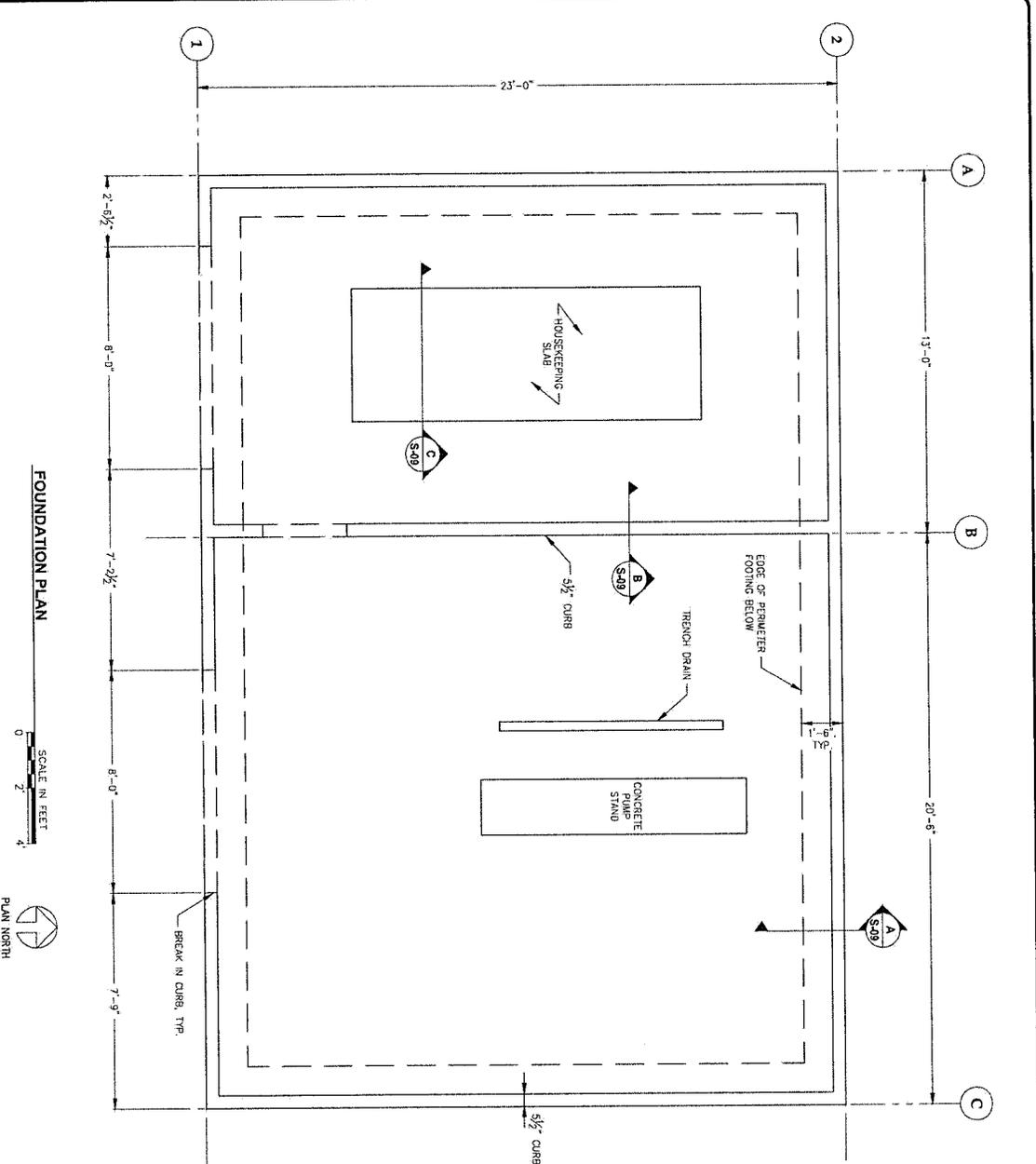
DESIGNED BY: **MD**
 CHECKED BY: **MD**
 PND ENGINEERS, INC.
 6300 GLACIER AVENUE, STE. 100
 ANCHORAGE, ALASKA 99503
 (907) 566-0333
 www.pndengineers.com
 PND 232014

CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE26-317

FOUNDATION PLAN

SHEET NUMBER S-05



FOUNDATION PLAN



NOTES:
 1. BREAK CURB AT ALL DOOR OPENINGS.
 SEE ARCH FOR LOCATIONS



No.	DATE	RECORD OF REVISIONS
		DESCRIPTION
	BY	

P N D
ENGINEERS, INC.
 CERTIFICATE OF AUTHORIZATION
 CAN. NO. A62235
 P.N.D. 232014

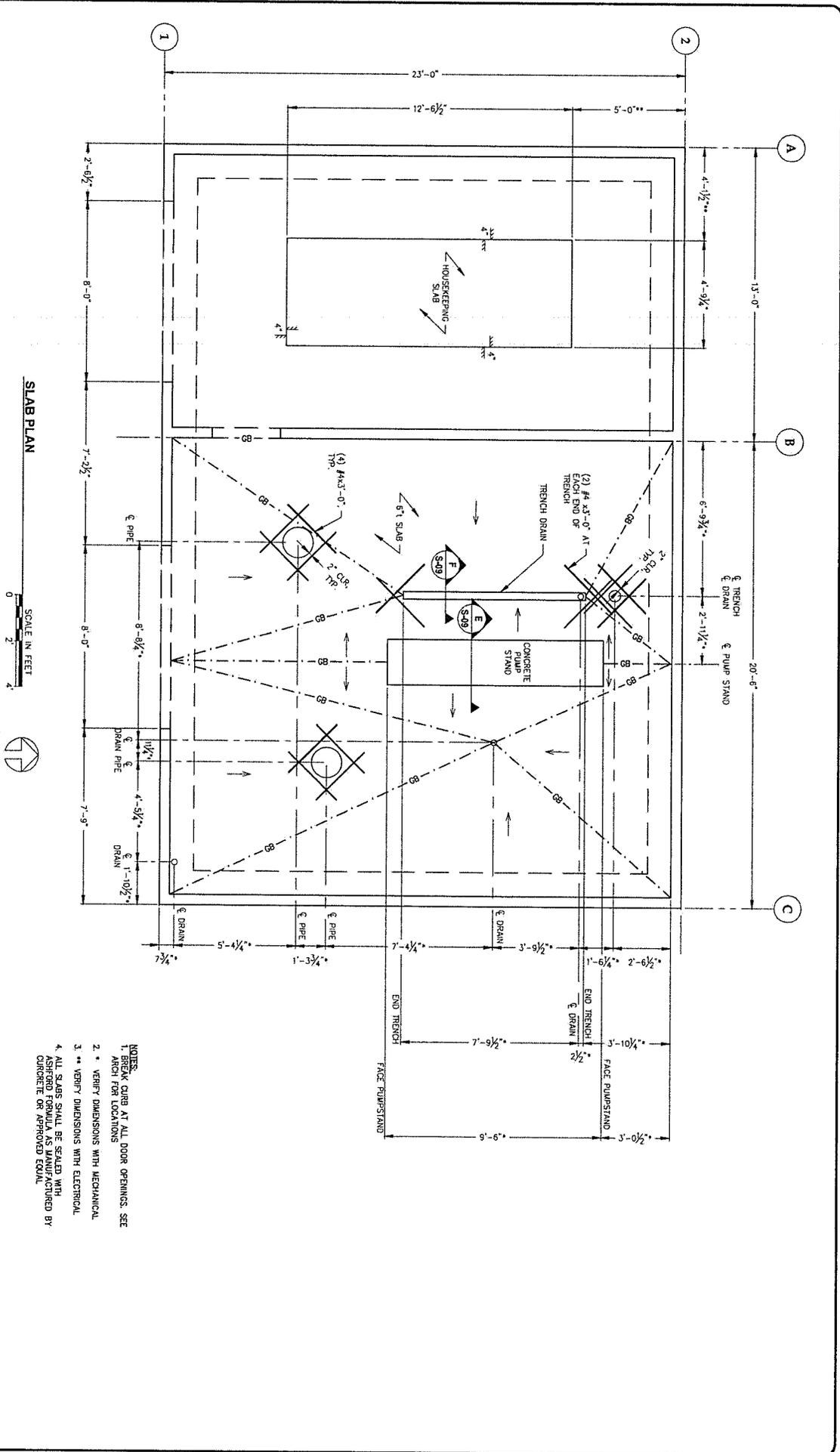
DESIGNED BY	DMD
CHECKED BY	MHI
DATE	
PROJECT NO.	
CLIENT	
PROJECT LOCATION	
PROJECT DESCRIPTION	

CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE23-317

SLAB PLAN

SHEET NUMBER
S-06





No.	DATE	RECORD OF REVISIONS
		DESCRIPTION
		BY

ENGINEERS, INC.
 GENERALIST OF INVESTIGATION
 CIVIL/MECHANICAL

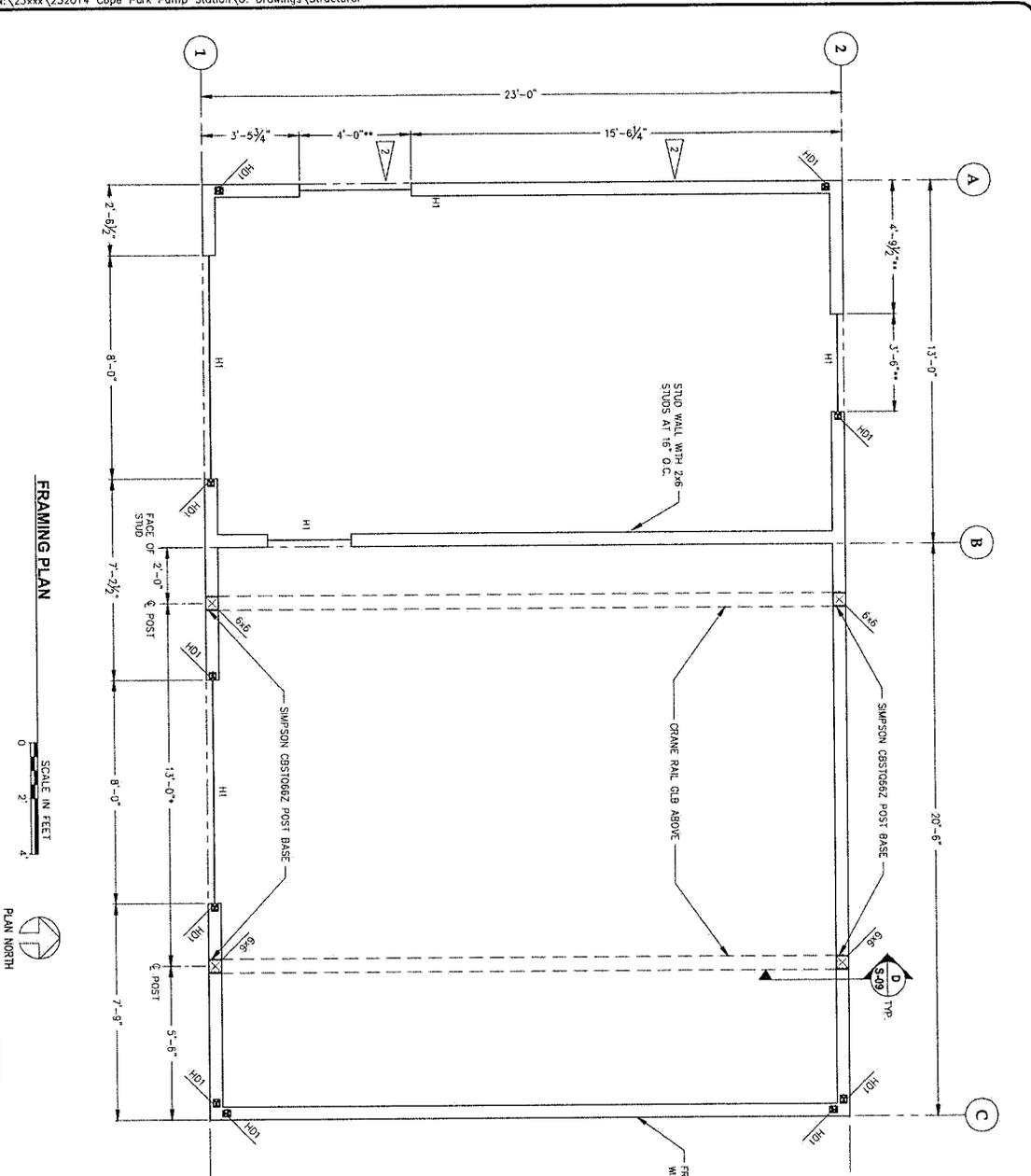
DESIGNED BY: **MBH**
 CHECKED BY: **MBH**
 PND ENGINEERS, INC. 100
 3500 JUNEAU AVE SUITE 100
 JUNEAU, NJ 07831
 WWW.PNDENGINEERS.COM
 PND #23214

CITY AND BOROUGH OF JUNEAU
 ALABAMA CENTER CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

FRAMING PLAN

SHEET NUMBER
S-07



FRAMING PLAN

SCALE IN FEET
 0 2 4
 PLAN NORTH

STUDS WITH 2x6 STUDS AT 16" O.C.
 SIMPSON CAST-IN-PLACE POST BASE
 CRANE RAIL QLB ABOVE
 FRAME ALL EXTERIOR WALLS WITH 2x6 STUDS AT 16" O.C.

NOTES:

- INDICATES SHEARWALL TYPE, SEE SCHEDULE ON S-03
- ALL SHEARWALLS TO BE U.N.O.
- CONTRACTOR TO VERIFY CRANE LOCATION DIMENSIONS
- FIELD VERIFY WITH BRIDGE CRANE MANUFACTURER

** COORDINATE WITH ELECTRICAL FOR LOUVER DIMENSIONS AND LOCATIONS



No.	DATE	RECORD OF REVISIONS
		DESCRIPTION
		BY

P E N D
ENGINEERS, INC.
 REGISTERED PROFESSIONAL ENGINEERS
 STATE OF ARKANSAS
 5800 OLD KENTWAY, SUITE 100
 JUNEAU, AR 72881
 www.pendengineers.com
 REG #222314

CITY AND BOROUGH OF JUNEAU
 ARKANSAS CAPITAL CITY
ENGINEERING & PUBLIC WORKS

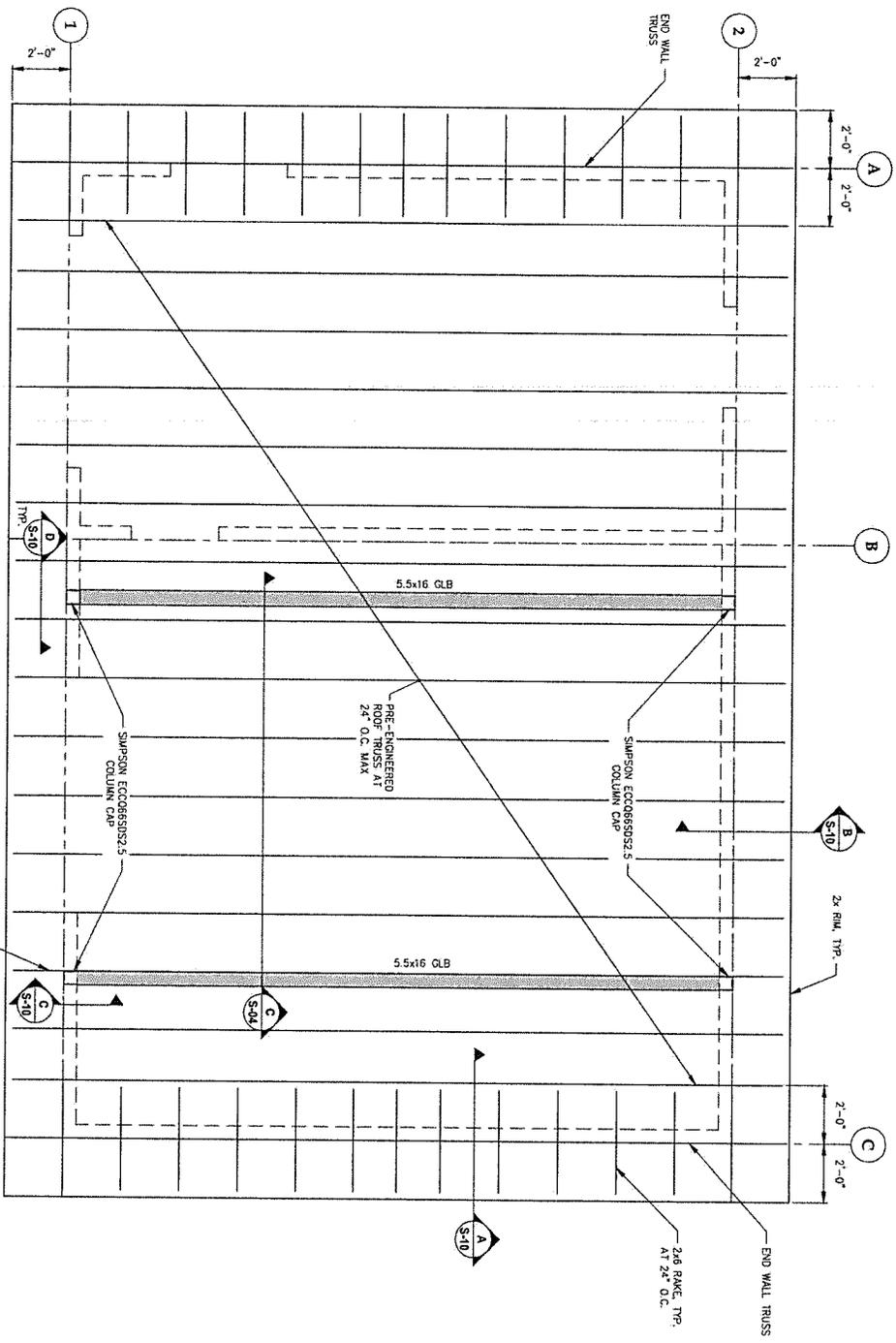
COPE PARK PUMP STATION REPLACEMENT
 BE25-317

ROOF FRAMING PLAN
 SHEET NUMBER **S-08**

ROOF FRAMING PLAN



ADJUST TRUSS AS REQUIRED TO MAINTAIN 24" MAX SPACING AND TRUSS AS NECESSARY TO MAINTAIN 24" MAX SPACING





NO.	DATE	RECORD OF REVISIONS	DESCRIPTION	BY

ENGINEERS, INC.
 CERTIFICATE OF AUTHORIZATION
 CIVIL ENGINEERING

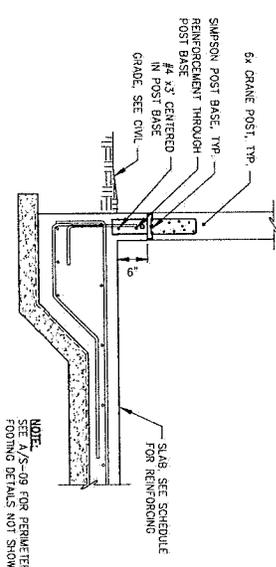
DESIGNED BY	CHKD BY	DATE

CITY AND BOROUGH OF JUNEAU
 ALASKA CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE26-317

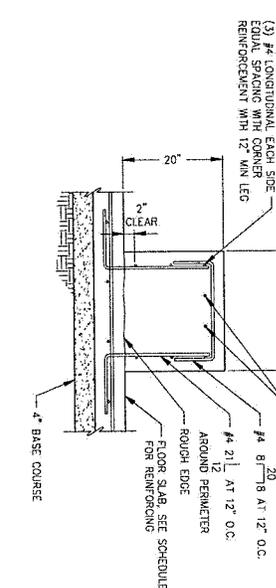
FOUNDATION DETAILS
 SHEET NUMBER **S-09**

D TYPICAL CRANE POST DETAIL

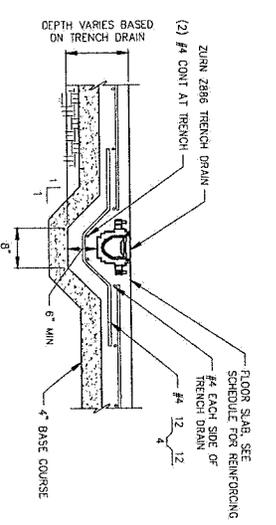


NOTE: 1/2\"/>

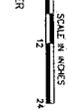
E TYPICAL PUMP PAD SECTION



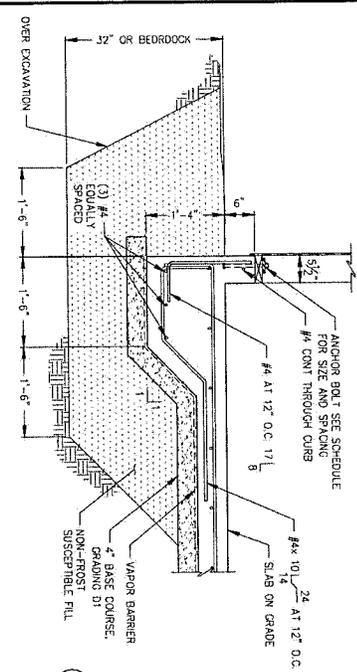
F TRENCH DRAIN SECTION



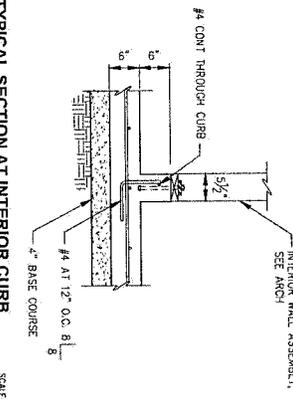
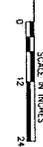
A TYPICAL PERIMETER FOOTING SLAB EDGE



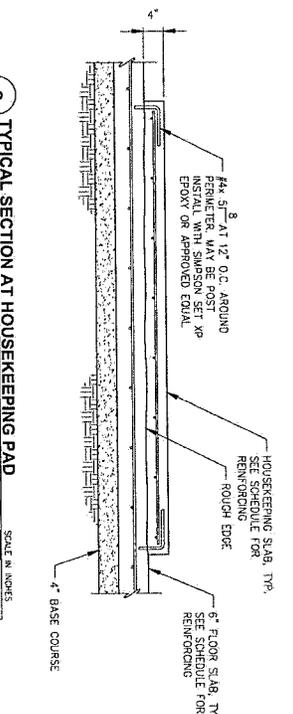
NOTE: OVER EXCAVATE PER DETAIL AROUND PERIMETER



B TYPICAL SECTION AT INTERIOR CURB



C TYPICAL SECTION AT HOUSEKEEPING PAD





No.	DATE	RECORD OF REVISIONS

BY: **PN** ENGINEERS, INC.
 CERTIFICATE OF AUTHORIZATION
 C.A.N. ADDRESS: P.O. BOX 222214
 DESIGNED BY: **MMH**
 CHECKED BY: **MMH**
 5800 GARDEN STATE AVE
 SUITE 100
 JARVIS, NJ 08041
 WWW.PNENGINEERS.COM

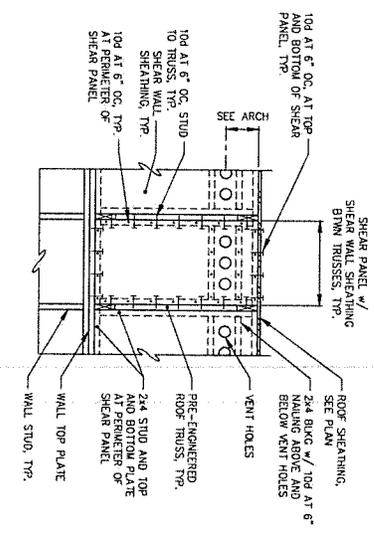
CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE26-317

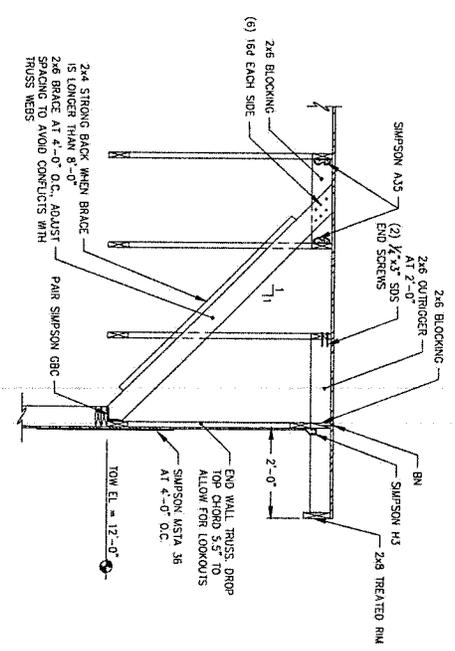
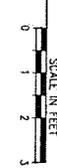
FRAMING DETAILS

SHEET NUMBER
S-10

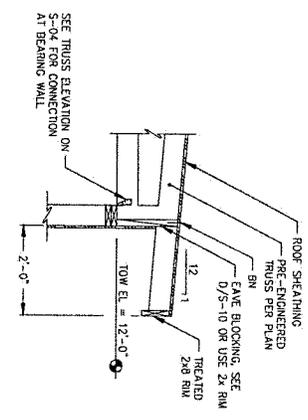
D SHEAR PANEL ELEVATION



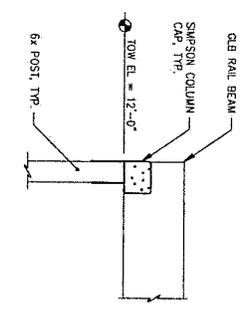
A GABLE END



B TYPICAL EAVE SECTION



C RAIL CRANE POST SECTION





NO.	DATE	REVISION

RECORD OF REVISIONS

BY: _____

DESIGNED BY: _____

CHECKED BY: _____

DATE: _____

Jensen Yorba Wall Inc.

CERTIFICATE OF AUTHORIZATION
C.A.N. - ACC0137

NO. #24039

ENGINEERING & PUBLIC WORKS

CITY AND BOROUGH OF JUNEAU

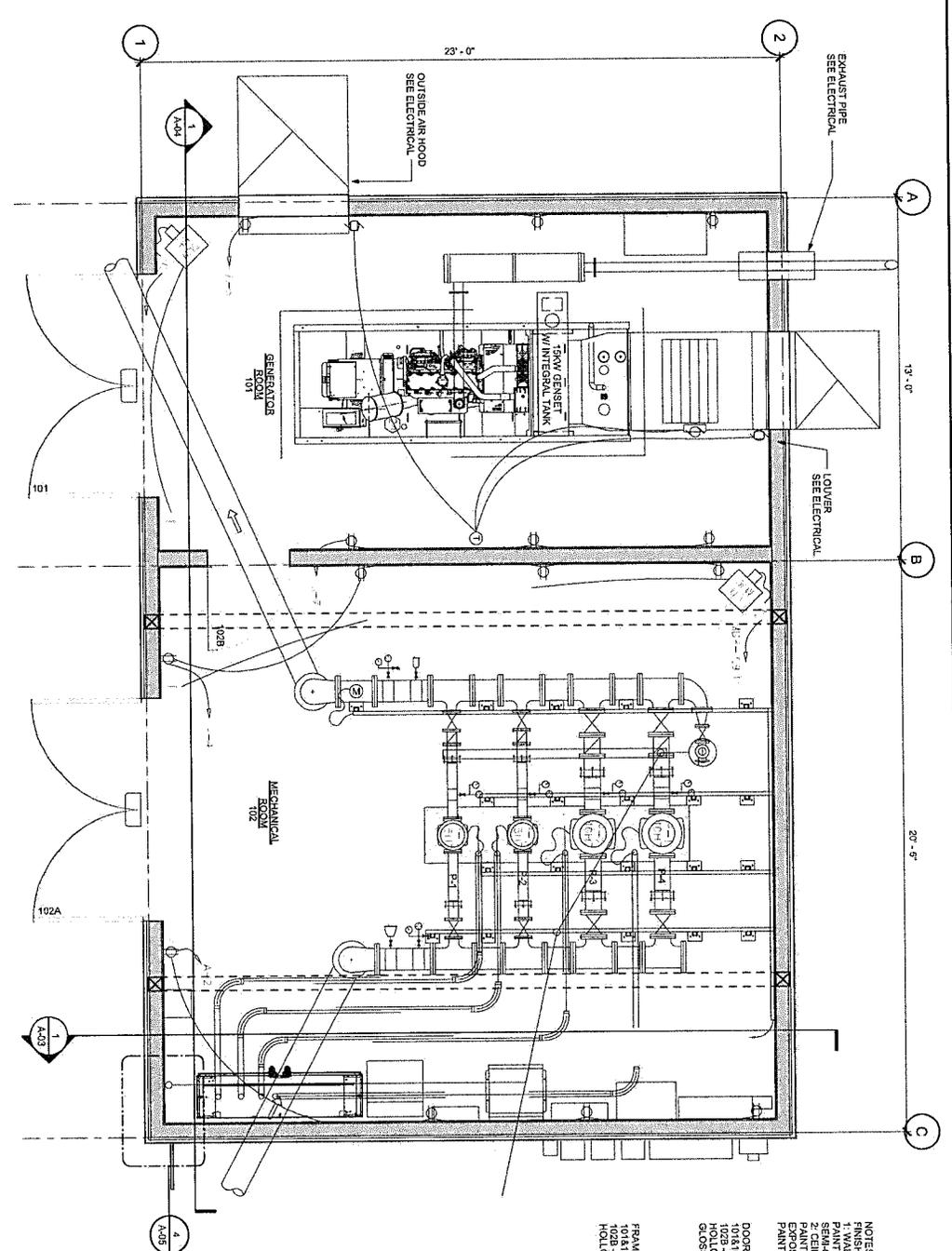
ALASKA CAPITAL CITY

COPE PARK PUMP STATION REPLACEMENT
BE25-317

FLOOR PLAN

SHEET NUMBER
A-01

1 FIRST FLOOR PLAN



NOTES:

FINISH SCHEDULES:

1: WALLS - 5/8" PWD BD WALLS @ 12" O.C. W/ RIP WANSBRO TO 8' SEMI-GLOSS GPX

2: CEILINGS - 1/2" PWD. BD WALLS @ 12" O.C. PAINT SAME AS WALLS

3: FLOORS - 1/2" PWD. BD WALLS @ 12" O.C. PAINT SAME AS INTERIOR

DOORS SCHEDULE:

102B - 5'-0" X 7'-0" HOLLOW METAL FRAME AND DOOR PAINT W/ 2 COATS OF LATEX SEMI-GLOSS ENAMEL

FRAME SCHEDULE:

101 & 102A - 4'-0" X 7'-0" HOLLOW METAL FRAME AND DOOR PAINT W/ 2 COATS OF LATEX SEMI-GLOSS ENAMEL



RECORD OF REVISIONS			
NO.	DATE	DESCRIPTION	BY

Jensen Yorba Wall Inc.
 CERTIFICATE OF AUTHORIZATION
 C.A.N. - ACC0397
 P.N.D. #234099

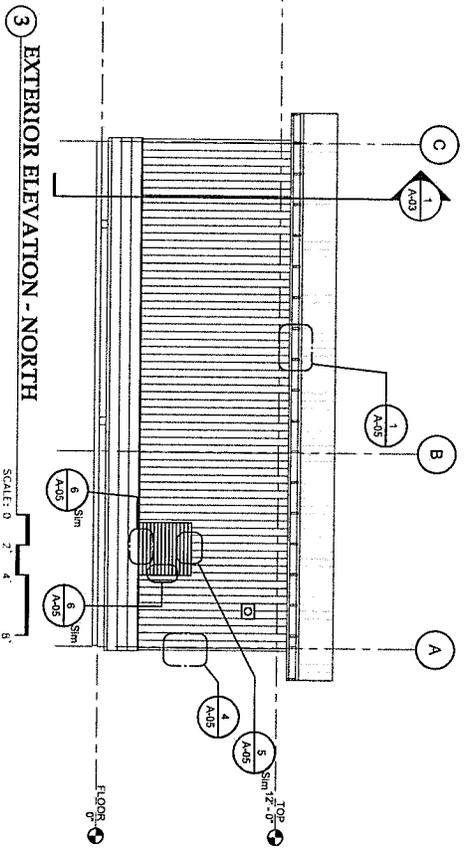
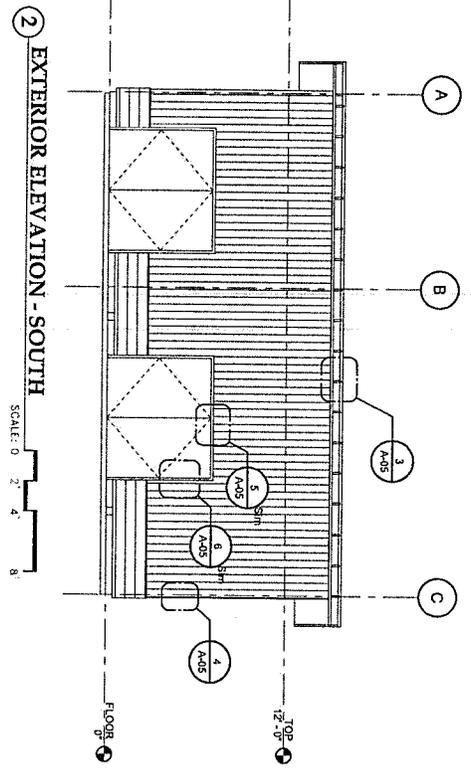
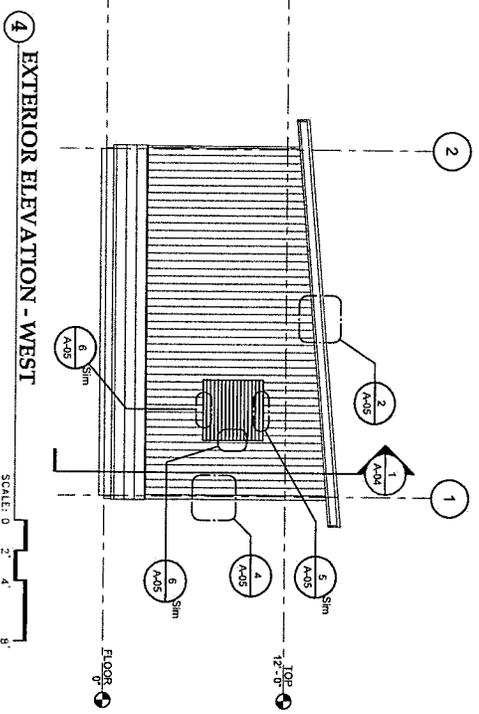
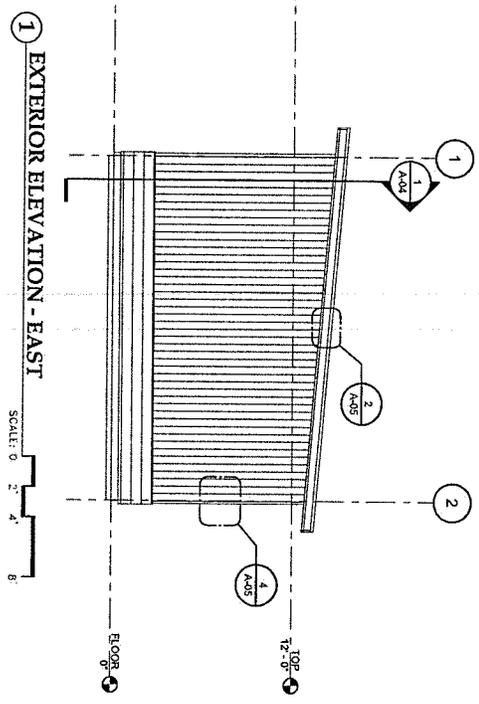
DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DRAWN BY: [Signature]

CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

ELEVATIONS

SHEET NUMBER
A-02





RECORD OF REVISIONS

No.	DATE	DESCRIPTION

BY

DATE

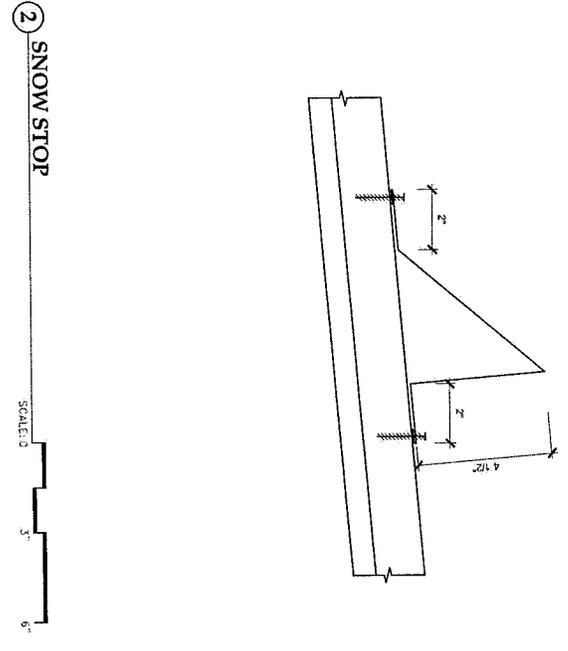
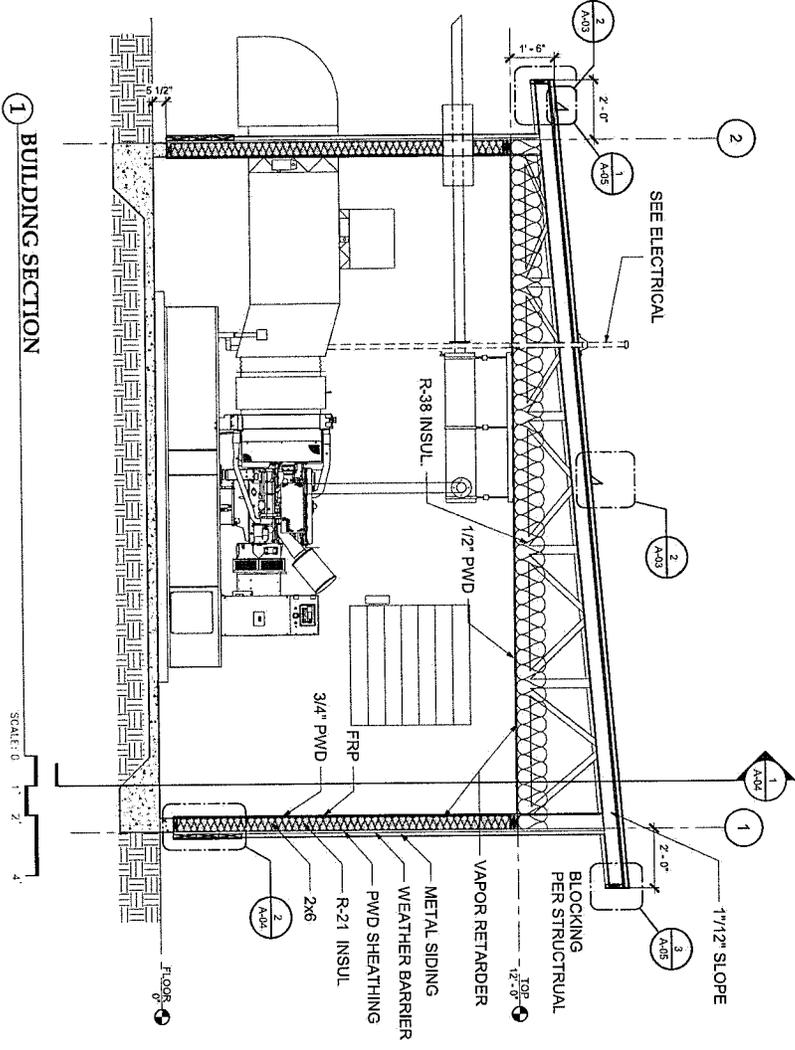
Jensen Yorba Wall Inc.
 CERTIFICATE OF AUTHORIZATION
 C.A.N. - AS03137
 P.N.D. 424038

CITY AND BOROUGH OF JUNEAU
 ALWAYS DIGITAL CITY
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

BUILDING SECTION

A-03



SHEET NUMBER



RECORD OF REVISIONS	
NO.	DESCRIPTION

Jensen Yorba Wall Inc.
 CERTIFICATE OF AUTHORIZATION
 CAN - ACC0131

DESIGNED BY:	TM
CHECKED BY:	WJ
JENSEN YORBA WALL INC. 422 WEST TOWN ST JUNEAU, ALASKA 99801	
PROJECT NO.:	24039

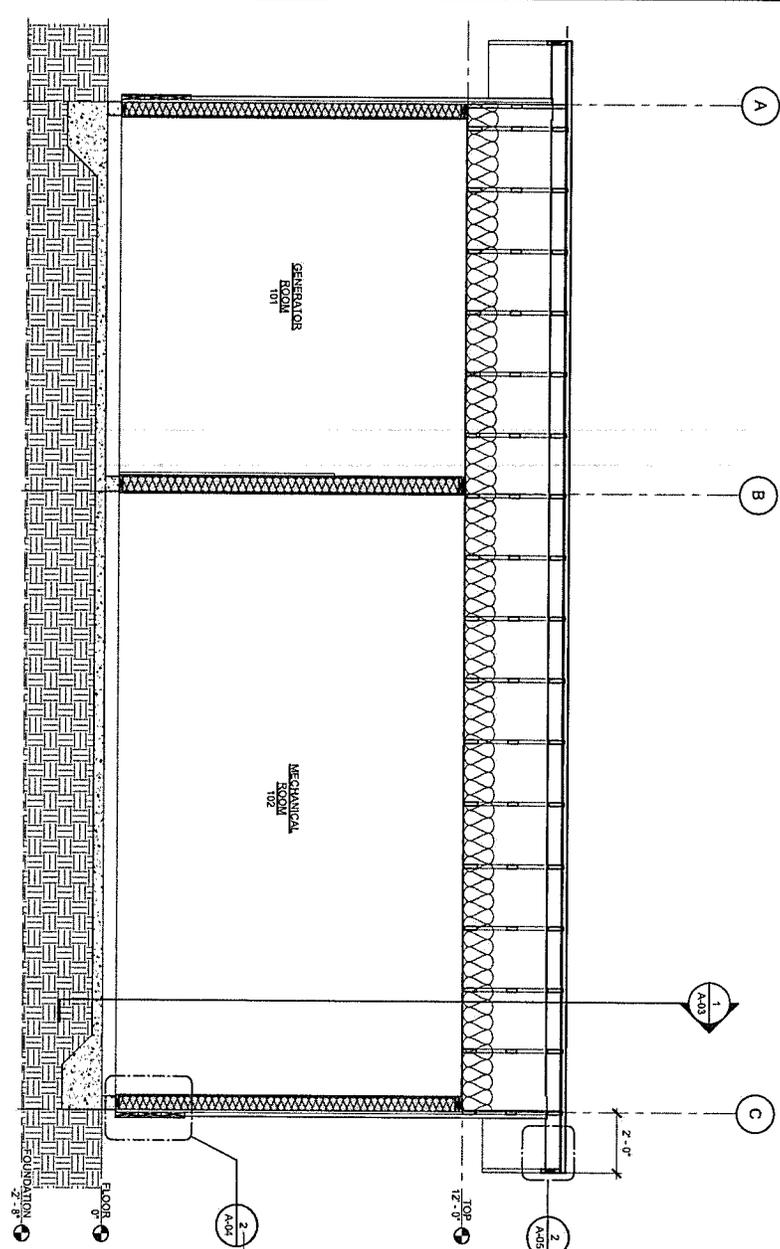
CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
 BE25-317

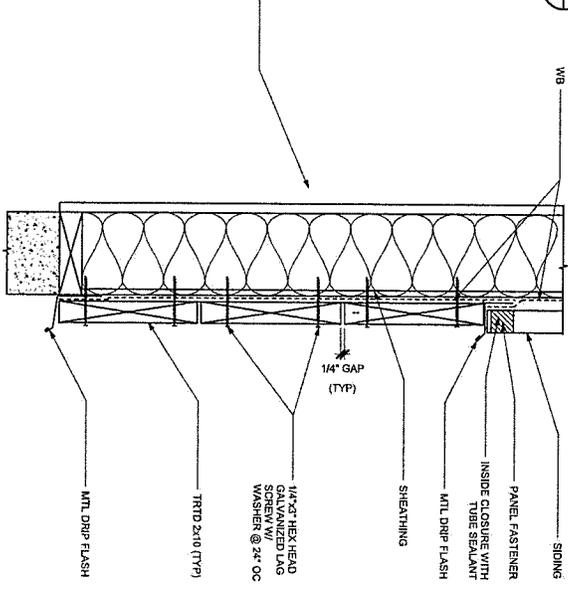
BUILDING SECTION

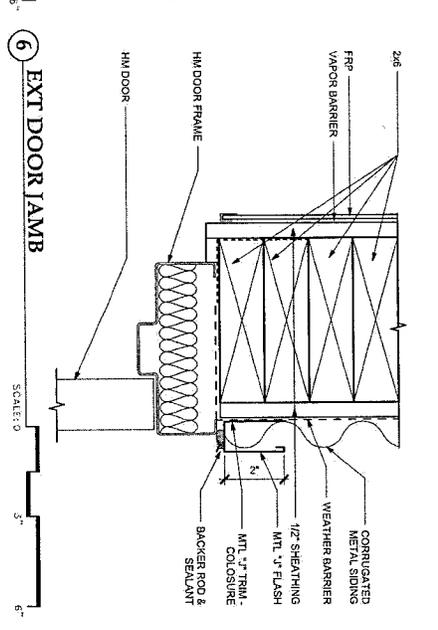
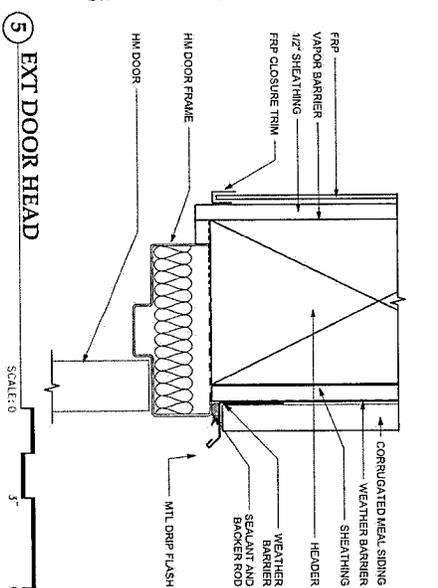
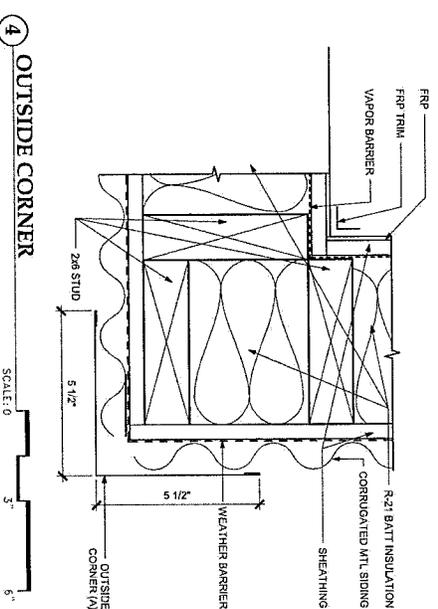
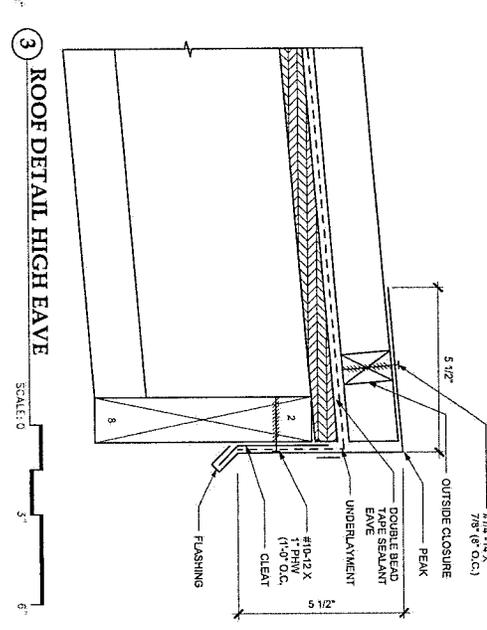
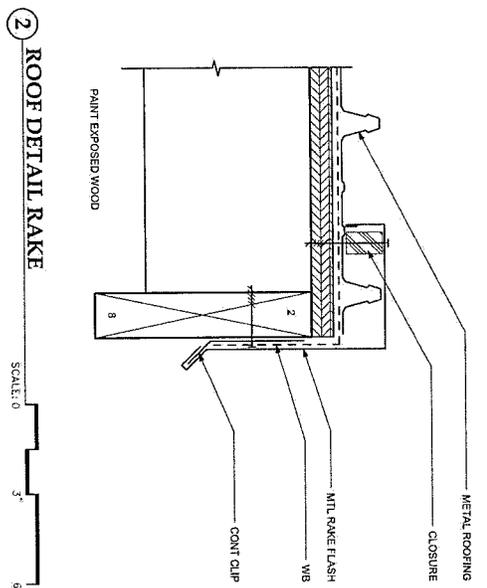
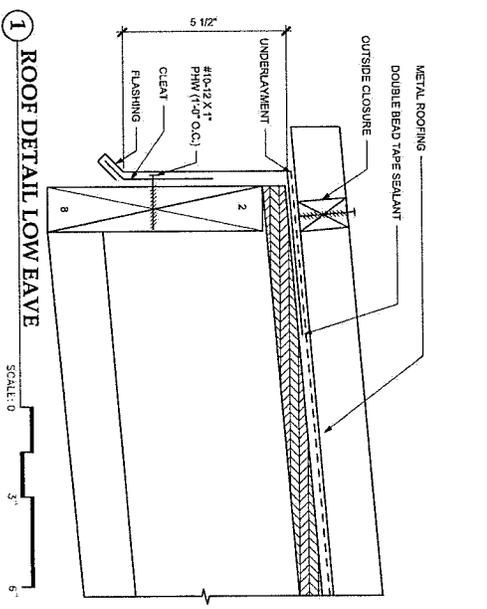
SHEET NUMBER
A-04

1 BUILDING SECTION 2
 SCALE: 0 1' 2' 4'



2 WALL SECTION
 SCALE: 0 3' 6' 12'





RECORD OF REVISIONS	DATE	BY	DESCRIPTION

Jensen Yorba Wall Inc.
CERTIFICATE OF AUTHORIZATION
C.A.N. - AS00187
P.N.O. #21038

CITY AND BOROUGH OF JUNEAU
ALASKA CAPITAL CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

EXTERIOR DETAILS
SHEET NUMBER
A-05



No.	DATE	RECORD OF REVISIONS DESCRIPTION	BY

proHNS LLC
CERTIFICATE OF AUTHORIZATION #10062

DESIGNED BY: E. ROEMELING
CHECKED BY: E. CHAMBERS

201 DUNN ST #201
JUNEAU, AK 99801
(907) 786-0044
ethon@prohns.com
www.prohns.com



COPE PARK PUMP STATION REPLACEMENT

BE25-317

LEGEND, ABBREVIATIONS & P&ID

SHEET NUMBER M-01

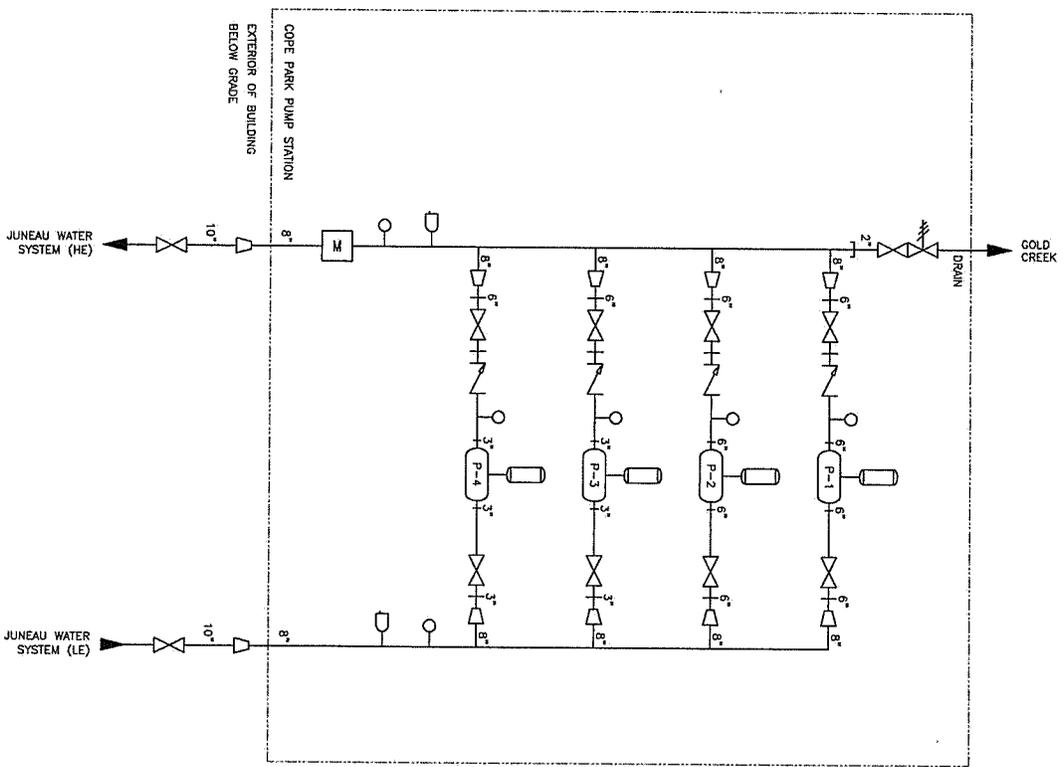
P&ID LEGEND

DESCRIPTION	SYMBOL
PUMP	
GATE VALVE	
CHECK VALVE	
AIR VALVE	
PRESSURE RELIEF VALVE	
PRESSURE GAUGE	
FLOW METER	
REDUCER	
BLIND FLANGE (TAPPED)	

ABBREVIATIONS

- DI DUCTILE IRON
- FR FLANGES
- FRM FLANGES FROM PIPE
- GPM GALLONS PER MINUTE
- HE HIGH ELEVATION
- HP HORSE POWER
- LF FEET
- NSF NATIONAL SANITATION FOUNDATION
- O.C. ON CENTER
- PE PLANE END
- RE RESERVATIONS PER LIGHT
- RPM RESERVATIONS PER MINUTE
- SS SERVICE SADDLE
- TDH TOTAL DYNAMIC HEAD

Plans subject to inspections.
6-30-2025 STW



COPE PARK - P&ID



No.	DATE	RECORD OF REVISIONS	BY
		DESCRIPTION	

proHNS LLC
 CERTIFICATE OF AUTHORIZATION #10002

DRAWN BY: E. ROEMELING
 RECHECKED BY: E. ROEMELING
 PROJECT NO.: 1701 CHAMBERS

2200 DUNN ST #201
 JUNEAU AK 99801
 (907) 586-4243
 e.roemeling@prohns.com
 www.prohns.com

CITY AND BOROUGH OF JUNEAU
 ALASKA CAPITAL CITY

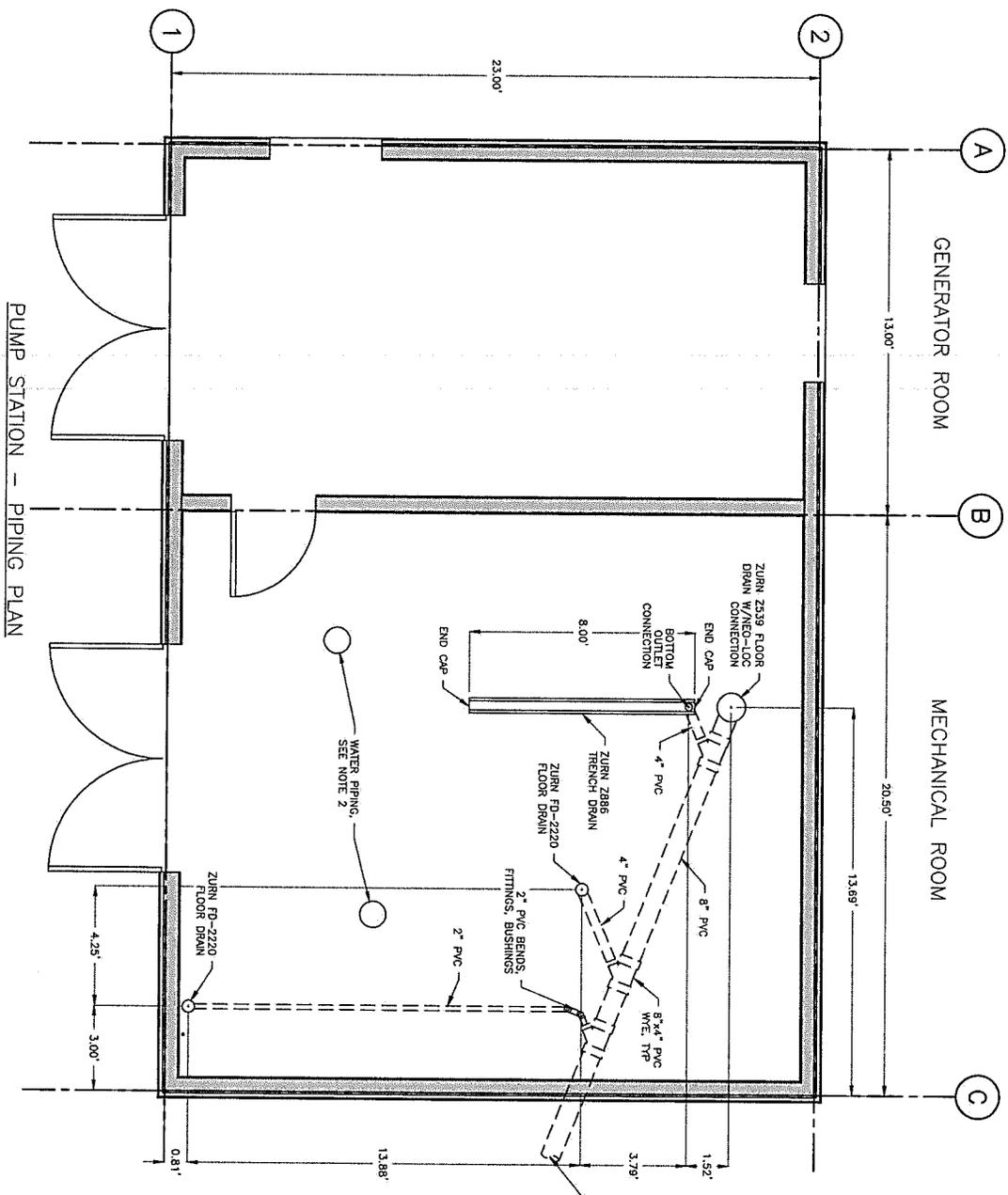
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT

BE2S-317

DRAIN PLAN

SHEET NUMBER **M-03**



- SHEET NOTES:**
1. ALL CONNECTIONS BETWEEN DRAIN PIPES AND FLOOR DRAINS/TRENCH DRAIN TO MEET THE MANUFACTURERS RECOMMENDATIONS.
 2. WATERLINE PIPING NOT SHOWN FOR CLARITY, SEE M-02 FOR LAYOUT.



NO.	DATE	RECORD OF REVISIONS
		DESCRIPTION
		BY

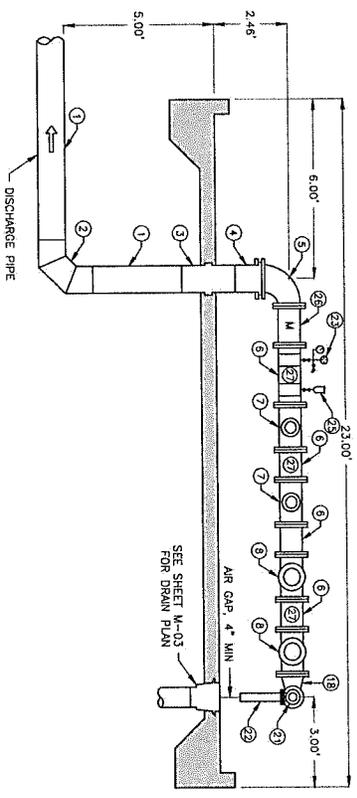
proHNS LLC
 CERTIFICATE OF AUTHORIZATION
 221 DUNN ST #201
 JUNEAU, AK 99801
 (907) 784-0484
 www.prohns.com

CITY AND BOROUGH OF JUNEAU
 ALASKA CAPITAL CITY
 ENGINEERING & PUBLIC WORKS

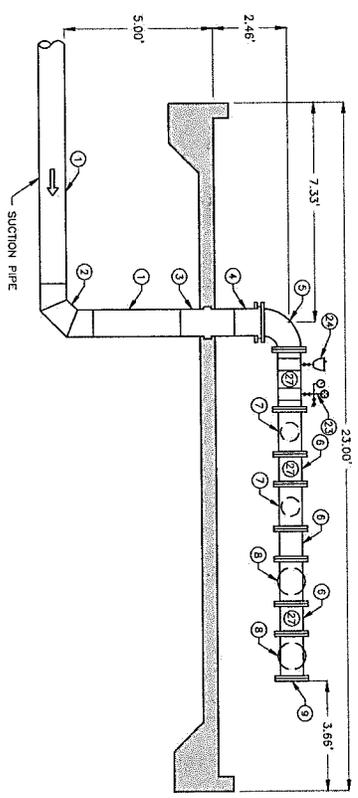
COPE PARK PUMP STATION REPLACEMENT
 BE28-317

PIPING SECTIONS - 1
 SHEET NUMBER M-04

SECTION A



SECTION B



PIPING MATERIALS LIST

NUMBER	ITEM (SIZE, DESCRIPTION, CONNECTION)	QUANTITY
1	10" HOPE	4
2	10" HOPE 90° ELBOW (THREE-SEGMENT), 90°	2
3	10" HOPE WALL ANCHOR, 90°	2
4	10" HOPE FLANGE ADAPTER, BF X FL	2
5	10" x 8" DI 90° REDUCING ELBOW, FL	2
6	3" DI SPOOL, FL	8
7	8" x 8" x 3" DI REDUCING TEE, FL	4
8	6" x 8" x 3" DI REDUCING TEE, FL	4
9	6" DI BLIND FLANGE, FL	1
10	3" GATE VALVE, FL	4
11	6" GATE VALVE, FL	4
12	3" SPOOL, FL x PE	4
13	6" SPOOL, FL x PE	4
14	3" FLANGED COUPLING ADAPTER, RL X FL	4
15	6" FLANGED COUPLING ADAPTER, RL X FL	4
16	3" CHECK VALVE, FL	2
17	6" CHECK VALVE, FL	2
18	8" x 4" DI 90° REDUCING ELBOW, FL	1
19	4" x 2" DI CONCENTRIC REDUCER, FL	1
20	2" GATE VALVE, FL	1
21	2" 90° PRESSURE RELIEF VALVE, FL	1
22	2" SPOOL, FL x PE	1
23	PRESSURE GAUGE/TRANSDUCER & SAMPLING PORT, 0-200 PSI, SS	6
24	COMBINATION AIR VALVE, SS	1
25	AIR RELEASE VALVE, SS	1
26	8" FLOW METER, FL	1
27	U-BOLT PIPE SUPPORT LOCATION	5

PUMP DATA

PUMP NUMBER	PUMP INFORMATION	MOTOR INFORMATION
P-1	700 GPM, 14.3 TDH, 6"x6" FL	40 HP, 3560 RPM
P-2	700 GPM, 14.3 TDH, 6"x6" FL	40 HP, 3560 RPM
P-3	200 GPM, 11.9 TDH, 3"x3" FL	15 HP, 3525 RPM
P-4	200 GPM, 11.9 TDH, 3"x3" FL	15 HP, 3525 RPM

SHEET NOTES:

1. FITTINGS, CASSETS, METERS, PUMPS, AND ALL OTHER COMPONENTS COMING IN CONTACT WITH HOTTABLE WATER SHALL BE NSF/ANSI 61 CERTIFIED, AND SHALL BE DISINFECTED AND PRESSURE TESTED PER SECTION 02801 SPECIFICATIONS PRIOR TO BEING PUT INTO SERVICE.
2. CONSTRUCTION IS TO BE COMPLETED IN ACCORDANCE WITH LEAD FREE REQUIREMENTS OUTLINED IN 18 AAC 80.500. THESE INCLUDE: (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT HAVING MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO THE WELDED SURFACES OF PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND THROTTLES.
3. INSULATE ALL WATER PIPE, VALVES AND FITTINGS WITH 1/2" ARMALEX FOAM INSULATION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
4. INDICATE DIRECTION OF FLOW WITH ARROWS ON WATER PIPE.
5. CONTRACTOR RESPONSIBLE FOR VERIFYING PART QUANTITIES AND SPOOL PIECE LENGTHS.
6. SEE U-BOLT PIPE SUPPORT DETAIL, 2, SHEET M-08.
7. SEE PRESSURE GAUGE AND SAMPLING PORT ASSEMBLY DETAIL, 1, SHEET M-06.
8. SEE COMBINATION AIR VALVE DETAIL, 3, SHEET M-06.



NO.	DATE	RECORD OF REVISIONS
		DESCRIPTION
		BY

profHNS LLC
 CERTIFICATE OF AUTHORIZATION #100682

DESIGNED BY: E. ROEMELING
 CHECKED BY: E. CHAMBERS

2001 DINN ST #201
 JUNEAU, AK 99901
 (907) 752-2222
 www.profHNS.com

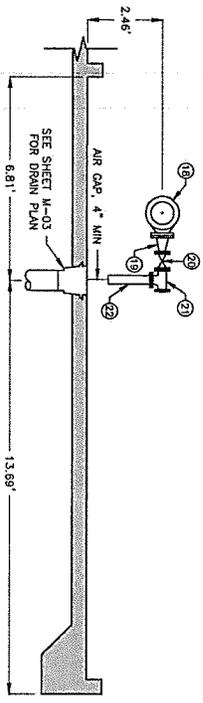
CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY

ENGINEERING & PUBLIC WORKS

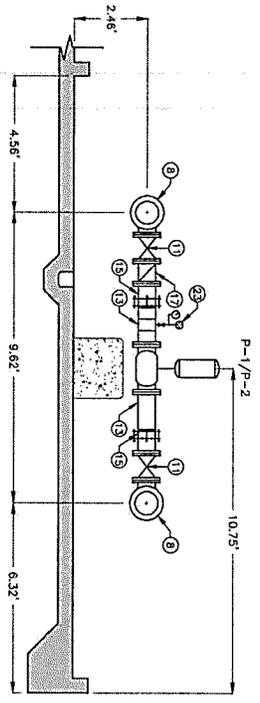
COPE PARK PUMP STATION REPLACEMENT
 BE25-317

PIPING SECTIONS - 2
 SHEET NUMBER **M-05**

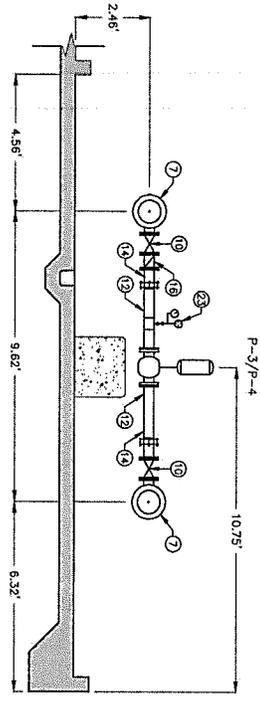
SECTION C



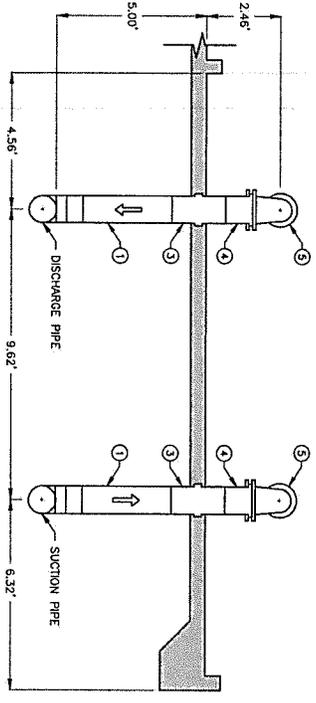
SECTION D



SECTION E



SECTION F



PIPING MATERIALS LIST

NUMBER	ITEM (SIZE, DESCRIPTION, CONNECTION)	QUANTITY
1	10" HOPE	4
2	10" HOPE 90° ELBOW (THREE-SEGMENT), BF	2
3	10" HOPE WALL ANCHOR, BF	2
4	10" HOPE FLANGE ADAPTER, BF X FL	2
5	10"x8" DI 90° REDUCING ELBOW, FL	2
6	8" DI SPOOL, FL	8
7	8"x8"x3" DI REDUCING TEE, FL	4
8	8"x8"x6" DI REDUCING TEE, FL	4
9	8" DI BLIND FLANGE, FL	1
10	3" GATE VALVE, FL	4
11	6" GATE VALVE, FL	4
12	3" SPOOL, FL X PE	4
13	6" SPOOL, FL X PE	4
14	3" FLANGED COUPLING ADAPTER, RL X FL	4
15	6" FLANGED COUPLING ADAPTER, RL X FL	4
16	3" CHECK VALVE, FL	2
17	6" CHECK VALVE, FL	2
18	8"x4", DI 90° REDUCING ELBOW, FL	1
19	4"x2", DI CONCENTRIC REDUCER, FL	1
20	1 1/2" GATE VALVE, FL	1
21	1 1/2", 90° PRESSURE RELIEF VALVE, FL	1
22	2" SPOOL, FL X PE	1
23	PRESSURE GAUGE/TRANSducer & SAMPLING PORT, 0-200 PSI, SS	6
24	COMBINATION AIR VALVE, SS	6
25	AIR RELEASE VALVE, SS	1
26	8" FLOW METER, FL	1
27	U-BOLT PIPE SUPPORT LOCATION	5

PUMP DATA

PUMP NUMBER	PUMP INFORMATION	MOTOR INFORMATION
P-1	700 GPM, 143 TDH, 6"x6" FL	40 HP, 3560 RPM
P-2	700 GPM, 143 TDH, 6"x6" FL	40 HP, 3560 RPM
P-3	200 GPM, 115 TDH, 3"x3" FL	15 HP, 3525 RPM
P-4	200 GPM, 115 TDH, 3"x3" FL	15 HP, 3525 RPM

SHEET NOTES:

- ALL PIPING, FITTINGS, GASKETS, METERS, PUMPS, AND ALL OTHER COMPONENTS COMING IN CONTACT WITH POTABLE WATER SHALL BE UP TO ANSI 81 CERTIFIED, AND SHALL BE DISINFECTED AND PRESSURE TESTED PER SECTION 02601 SPECIFICATIONS PRIOR TO SERVICE.
- CONSTRUCTION IS TO BE COMPLETED IN ACCORDANCE WITH LEAD FREE REQUIREMENTS OUTLINED IN 18 AAC 80.500. THESE INCLUDE (A) NOT CONTAINING MORE THAN 0.2 PERCENT LEAD WHEN USED WITH RESPECT TO SOLDER AND FLUX; AND (B) NOT HAVING MORE THAN A WEIGHTED AVERAGE OF 0.25 PERCENT LEAD WHEN USED WITH RESPECT TO THE WELDED SURFACES OF PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND FIXTURES.
- INSULATE ALL WATER PIPE, VALVES AND FITTINGS WITH 1/2" ARMAFLEX FOAM INSULATION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- INDICATE DIRECTION OF FLOW WITH ARROWS ON WATER PIPE.
- CONTRACTOR RESPONSIBLE FOR VERIFYING PART QUANTITIES AND SPOOL PIECE LENGTHS.
- SEE U-BOLT PIPE SUPPORT DETAIL 2, SHEET M-06.
- SEE PRESSURE GAUGE AND SAMPLING PORT ASSEMBLY DETAIL 1, SHEET M-06.
- SEE COMBINATION AIR VALVE DETAIL 3, SHEET M-06.



No.	DATE	RECORD OF REVISIONS	BY



DESIGNED BY: E. ROEMELING	CHECKED BY: L. CHAMBERS
---------------------------	-------------------------

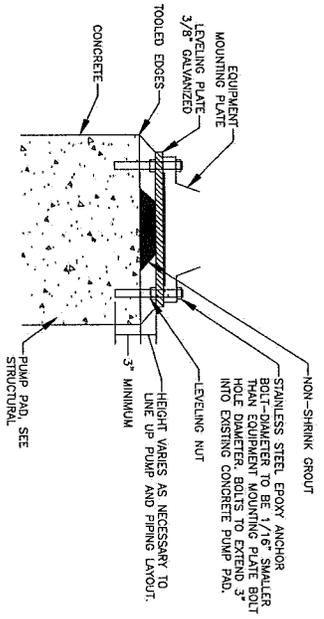


COPE PARK PUMP STATION REPLACEMENT

MECHANICAL DETAILS

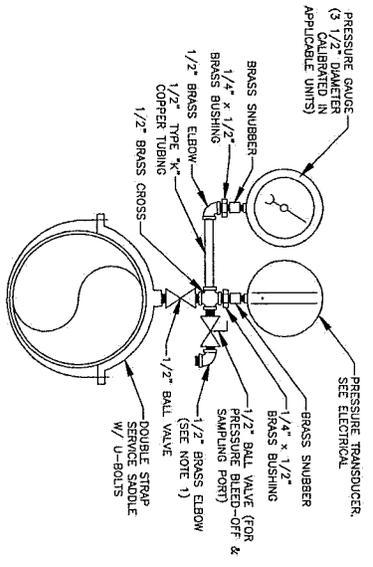
SHEET NUMBER M-06

4 EQUIPMENT MOUNTING PLATE
SCALE: NOT TO SCALE



1 PRESSURE GAUGE & SAMPLING PORT ASSEMBLY
SCALE: NOT TO SCALE

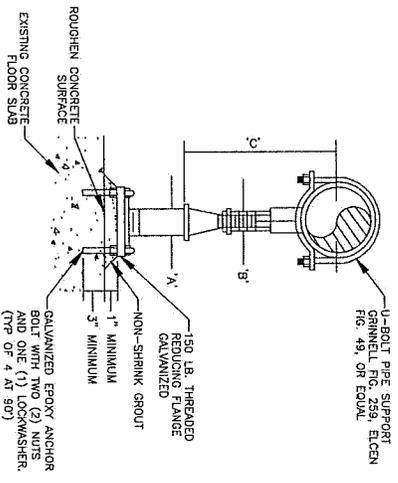
DETAIL 1/M-06 NOTES:
1. END OF PRESSURE BLEED-OFF & SAMPLING PORT TO BE EITHER 90° OR 45° CUT. ALL PRESSURE BLEED-OFF VALVE VACUUM BREAKER INSTALLED TO PROTECT AGAINST CROSS-CONNECTION.



PIPE SIZE	A'	B'	C'
8"	4	2	10
			15

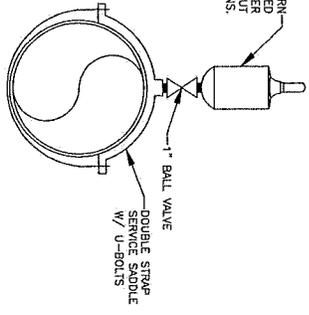
ADJUSTABLE PIPE SUPPORT
APPROXIMATE DIMENSIONS IN INCHES
MINIMUM MAXIMUM

2 U-BOLT PIPE SUPPORT
SCALE: NOT TO SCALE



3 COMBINATION AIR VALVE OR AIR RELEASE VALVE
SCALE: NOT TO SCALE

COMBINATION AIR VALVE WITH RETURN BLEED-OFF VALVE. RETURN BLEED-OFF OF CORPORATION STOP LEVER OR AIR RELEASE VALVE AS CALLED OUT ON THE PLANS.





No.	DATE	RECORD OF REVISIONS DESCRIPTION	BY

MORRIS
CENTRAL OFFICE OF AUTOMATICATION
445 CLIFTON AVE. CLIFTON, NJ 07011

ENGINEERING & PUBLIC WORKS

2215 JORDAN AVE #7
JUNEAU, AK 99801
(907) 484-1328

DESIGNED BY: B. STEPHAN
CHECKED BY: M. MORRIS

DATE: 06/27/2025



**COPE PARK
PUMP STATION
REPLACEMENT**

BE25-317

**ELECTRICAL
LEGEND &
GENERAL NOTES**

SHEET NUMBER
E-01

Symbol	Description
	CAPACITOR
	CIRCUIT BREAKER (AMPS/POLES)
	CONTRACTOR
	DUPLEX RECEPTACLE
	ELECTRIC MOTOR
	FLEXIBLE CONDUIT
	CEILING LUMINAIRE
	FUSE
	FUSED DISCONNECT
	GROUND
	GENERATOR
	HAND-OFF-AUTO SWITCH
	INDUSTRIAL CONTROL RELAY NUMBER OR LETTER INDICATES RELAY NUMBER
	TIME DELAY RELAY CONTRACTS ON DELAY, OFF DELAY
	TIMER RELAY CONTACT
	JUNCTION BOX
	MAIN LUG
	METER/SIGNAL
	NORMALLY OPEN & NORMALLY CLOSED CONTACTS, NUMBER INDICATES RELAY NUMBER
	LIGHT POLE & LUMINAIRE
	PHOTO CELL
	PUSH TO TEST INDICATING LIGHT
	LETTER INDICATES COLOR
	PUSHBUTTON
	SPECIAL USE RECEPTACLE
	SHUNT TRIP COIL
	SINGLE POLE SWITCH
	TELEPHONE JACK
	THERMOSTAT
	TRANSFORMER

- ELECTRICAL LEGEND**
- GENERAL NOTES:**
- PERFORM ALL WORK PER THE 2020 NATIONAL ELECTRICAL CODE (NEC), AND OTHER APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND STANDARDS.
 - ALL WORK IS NEW UNLESS OTHERWISE NOTED.
 - LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. OBTAIN DISTANCES PRIOR TO DIGGING AND REVIEW ALL AVAILABLE INFORMATION ON THE LOCATION OF EXISTING UTILITIES, DIE WITH CAUTION AND AVOID ALL WATER SEWER, DRAINAGE PIPES, AND UTILITY INFRASTRUCTURE COORDINATE WITH POWER AND COMMUNICATIONS UTILITIES TO ALLOW THEM TO PERFORM THEIR WORK.
 - PROVIDE CONDUIT, CONDUIT BODIES, FITTINGS, JUNCTION BOXES, FLEX CONDUIT, ETC., AS REQUIRED TO MOUNT AND POWER ALL ELECTRICAL DEVICES, EQUIPMENT, LUMINAIRES, ETC. NOT EVERY BOX, FLEX TRANSITION, OR OTHER ELECTRICAL ELEMENTS ARE SHOWN OR SPECIFIED EXACTLY. PROVIDE ALL REQUIRED.
 - PROVIDE GALVANIZED RIGID STEEL CONDUIT ON EXTERIOR OF BUILDING, SCHEDULE 80 PVC FOR UNDERGROUND INSTALLATIONS, PROVIDE ALL GALVANIZED RMC UNDERGROUND CONDUIT ELBOWS, PROVIDE LISTED COUPLERS FOR TRANSITION FROM RMC TO PVC, DURABLE SHUR-LOCK II OR EQUAL.
 - FIELD TREAT ALL HOT-DIPPED GALVANIZED MATERIALS THAT ARE CUT, BRUISED, SCRATCHED, OR DAMAGED.
 - ALL CONDUCTORS SHALL BE COPPER, ALL INSULATION SHALL BE 600V RATED MINIMUM, TYPE XHHW-2 FOR CONDUCTORS IN CONDUIT.
 - USE STAINLESS STEEL BOLTS, WASHERS, ETC. TO MOUNT ELECTRICAL EQUIPMENT AND STRUT CHANNEL. ALL FASTENERS AND OTHER EXPOSED HARDWARE SHALL BE 316L STAINLESS STEEL.
 - PROVIDE OXIDE INHIBITING COMPOUND ON ALL ELECTRICAL CONNECTIONS.
 - CONDUIT ROUTING SHOWN ON THE PLANS AND ELEVATIONS ARE SUGGESTED ROUTES, CONDUITS SHALL BE SURFACE MOUNTED AND/OR INSTALLED UNDER THE CONCRETE SLAB. THE CONTRACTOR MAY ELECT TO ROUTE CONDUITS OTHER THAN AS IS SHOWN ON THE PLANS, PROVIDED THE INSTALLATION MEETS CODE AND AS-BUILTS ARE SUBMITTED AFTER CONSTRUCTION.
 - IF EQUIPMENT TO BE INSTALLED ON THE PROJECT HAS NOT ARRIVED AND TEMPORARY MEANS OF COVERING OR PROTECTING INFRASTRUCTURE IS NECESSARY, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROVISIONS AND TEMPORARY MEANS OF PROTECTION. AT ALL TIMES THE JOB SITE SHALL REMAIN IN A SAFE AND WORKMANLIKE CONDITION.
 - PROVIDE A SUBMITTAL REGISTRY WITH A FULL LIST OF PROJECT SUBMITTALS WHERE REQUIRED PER EACH SPECIFICATION SECTION. INCLUDE IN THE REGISTRY THE DATE OF EACH SUBMISSION, RESPONSES PROVIDED BY THE ENGINEER, ETC. CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE SUBMITTALS OF ALL EQUIPMENT SHOWN ON THE DRAWINGS. SUBMITTALS ARE APPROVED IN WRITING.
 - ALL PART NUMBERS ARE GIVEN AS A GUIDE TO WHAT MATERIAL IS BEING SPECIFIED, THEY ARE BASED ON INFORMATION AVAILABLE DURING DESIGN AND MAY NOT BE ACCURATE OR COMPLETE. VERIFY ALL PART NUMBERS AND PART DESCRIPTIONS AND APPROVE TO CONFORM TO DRAWINGS AND SPECIFICATIONS. THE DRAWINGS SHALL NOT BE USED AS A BILL OF MATERIALS.
 - NOTIFY OTHER TRADES AND COORDINATE WITH THEM THE SEQUENCE OF INSTALLING THE ELECTRICAL WORK. IF CONDITIONS OF OTHER WORKS ARE TO BE COMPLETED WITHIN THE ELECTRICAL WORK IS DONE, VERIFY ADEQUATE PROVISIONS FOR OTHER TRADES TO BE COMPLETED WITHIN THE ELECTRICAL WORK. THE CONTRACTOR SHALL OBTAIN OTHER TRADES HONOR THE SCHEDULE TO ALLOW THE ELECTRICAL WORK TO BE DONE. GET IN WRITING THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS TO WORK TOGETHER AS REQUIRED TO PROVIDE THE WORK SHOWN IN THE CONTRACT DOCUMENTS.
 - PROVIDE ALL ELECTRICAL WORK REQUIRED, WHETHER SHOWN OR NOT SHOWN, FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS.
 - THE NEW PUMP STATION WILL BE CONSTRUCTED WHILE THE EXISTING PUMP STATION REMAINS ONLINE. TEMPORARY POWER SHALL BE PROVIDED TO THE NEW PUMP STATION FROM 208V 3-PHASE SERVICE TO 480V 3-PHASE SERVICE TO THE NEW PUMP STATION. COORDINATE ELECTRICAL INSTALLATION SEQUENCING PLAN WITH THE GENERAL CONTRACTOR AND OVERALL CONSTRUCTION SEQUENCING PLAN.

06/27/2025

JH

SHEET NO.	SHEET TITLE
E-01	LEGEND & GENERAL NOTES
E-02	DEMOLITION SITE PLAN
E-03	SITE PLAN
E-04	EQUIPMENT LIST
E-05	SINGLE LINE DIAGRAM
E-06	PANEL SCHEDULES
E-07	BUILDING FLOOR PLAN
E-08	LIGHTING PLAN
E-09	GENERATOR MECHANICAL PLAN
E-10	GENERATOR MECHANICAL SECTION



NO.	DATE	DESCRIPTION	BY

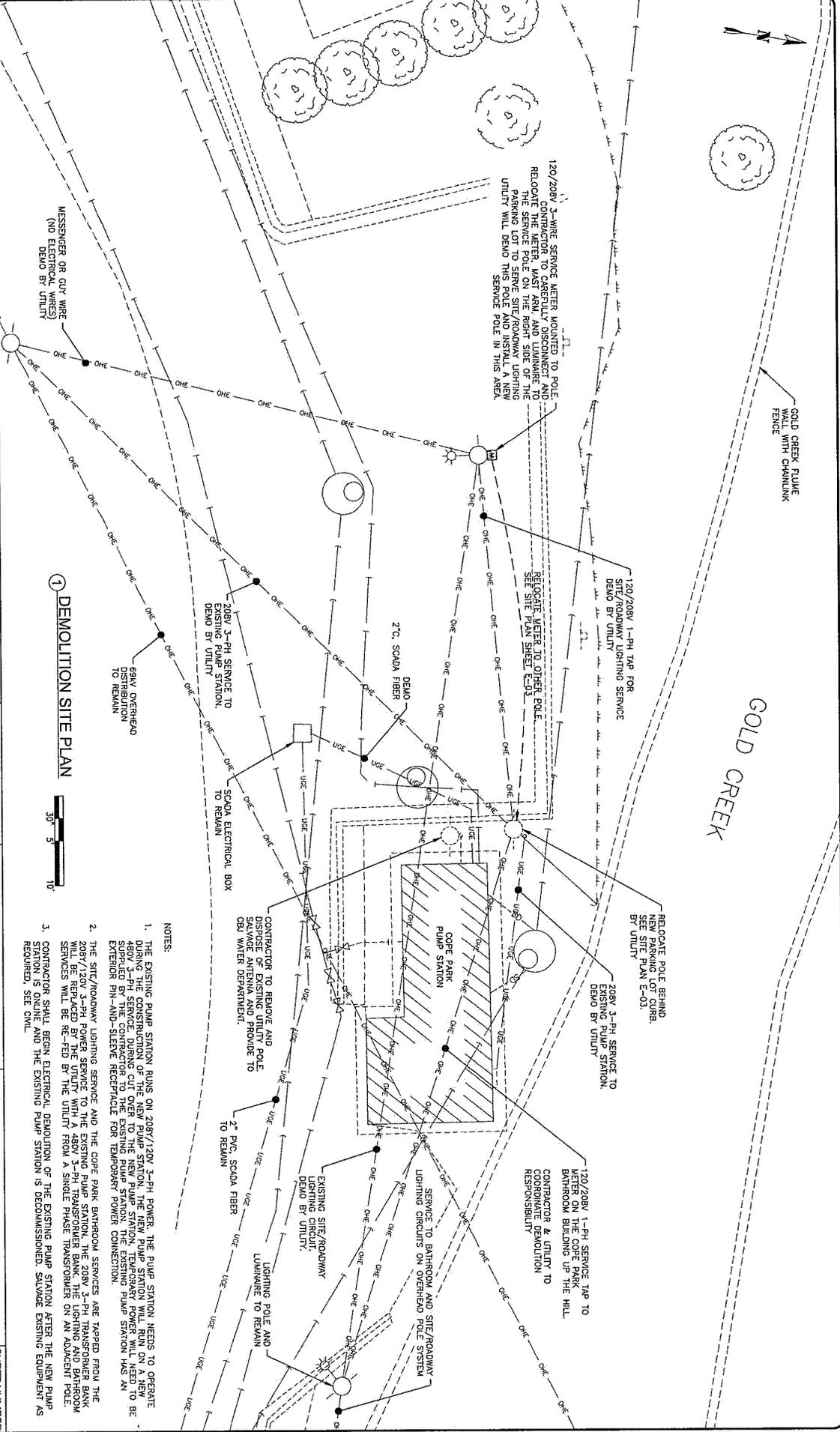
MORRIS
ENGINEERING & PUBLIC WORKS
CENTROTECH, INC. AFFILIATION
MECHANICAL ENGINEER
LICENSE NO. 4918

DESIGNED BY: B. OTSUKI
CHECKED BY: J. MORRIS
2715 SUTTON AVE #2
ANCHORAGE, ALASKA 99503
(907) 783-3330
www.morrisengineering.com

CITY AND BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

ELECTRICAL DEMOLITION SITE PLAN
SHEET NUMBER E-02



1 DEMOLITION SITE PLAN



NOTES

1. THE EXISTING PUMP STATION RUNS ON 208Y/120V 3-PH POWER. THE PUMP STATION NEEDS TO OPERATE DURING THE CONSTRUCTION OF THE NEW PUMP STATION. THE NEW PUMP STATION WILL RUN ON A NEW 120V/208V 3-PH SERVICE. DURING CUT OVER TO THE NEW PUMP STATION, EXISTING PUMP STATION HAS AN EXTERIOR PH-AND-SLEEVE RECEPTACLE FOR TEMPORARY POWER CONNECTION.
2. THE SITE/ROADWAY LIGHTING SERVICE AND THE COPE PARK BATHROOM SERVICES ARE TRAPPED FROM THE 208Y/120V 3-PH POWER SERVICE TO THE EXISTING PUMP STATION. THE LIGHTING AND BATHROOM SERVICES WILL BE RE-FED BY THE UTILITY FROM A SINGLE PHASE TRANSFORMER ON AN ADJACENT POLE. CONTRACTOR SHALL BEGIN ELECTRICAL DEMOLITION OF THE EXISTING PUMP STATION AFTER THE NEW PUMP STATION IS ONLINE AND THE EXISTING PUMP STATION IS DECOMMISSIONED. SAVE/REUSE EXISTING EQUIPMENT AS REQUIRED. SEE SWL.



NO.	DATE	RECORD OR REVISIONS	BY

MORRIS
CENTRALIST OF AUTOMATION
MECHANICAL

DESIGNED BY: E. D'AVANZO
RECORDED BY: M. MORRIS

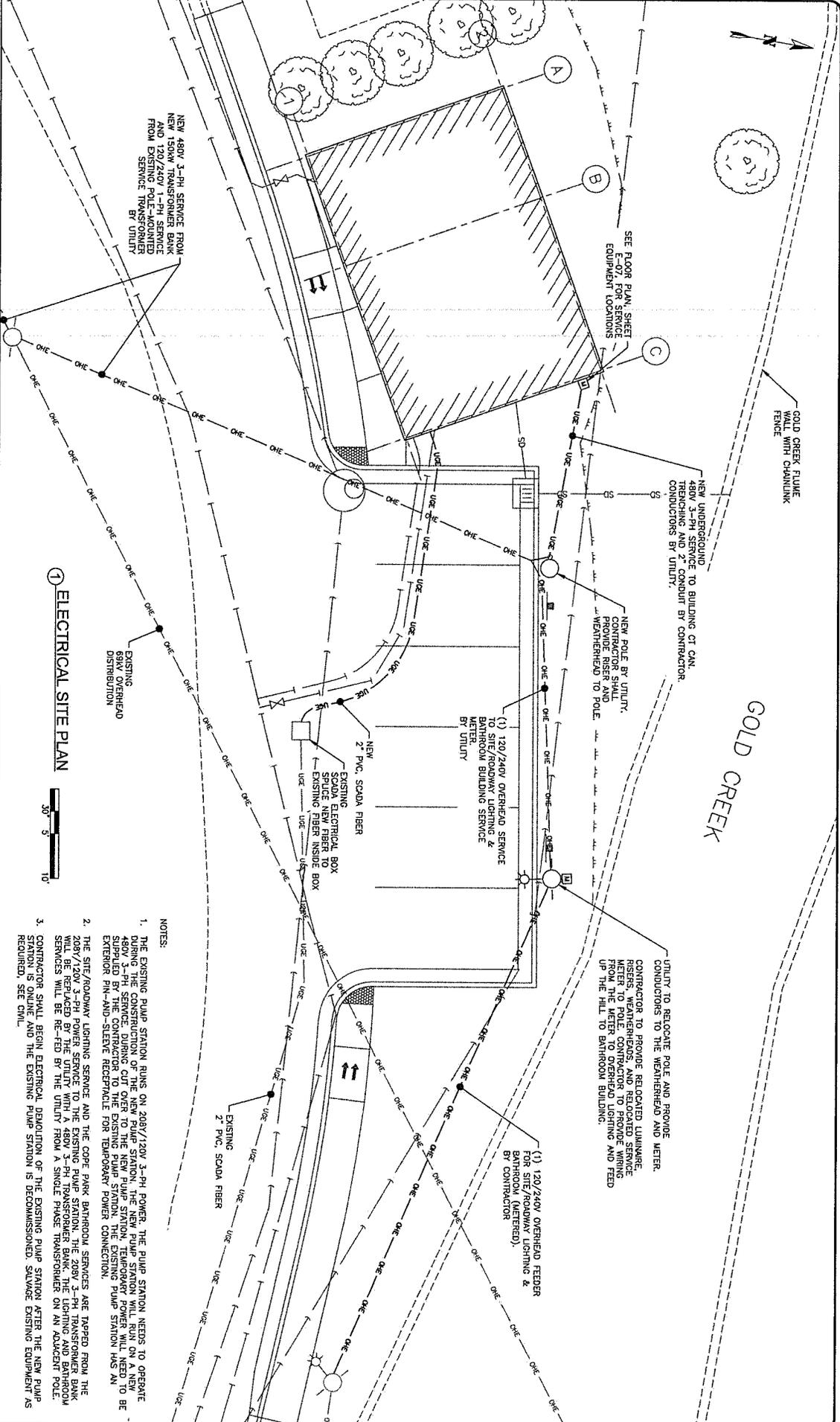
2715 JORDAN AVE #7
JUNEAU, AK 99801
(907) 745-2530
info@centralistofautomation.com
www.centralistofautomation.com

CITY AND BOROUGH OF JUNEAU
SIOUXES CAPITAL CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

ELECTRICAL SITE PLAN

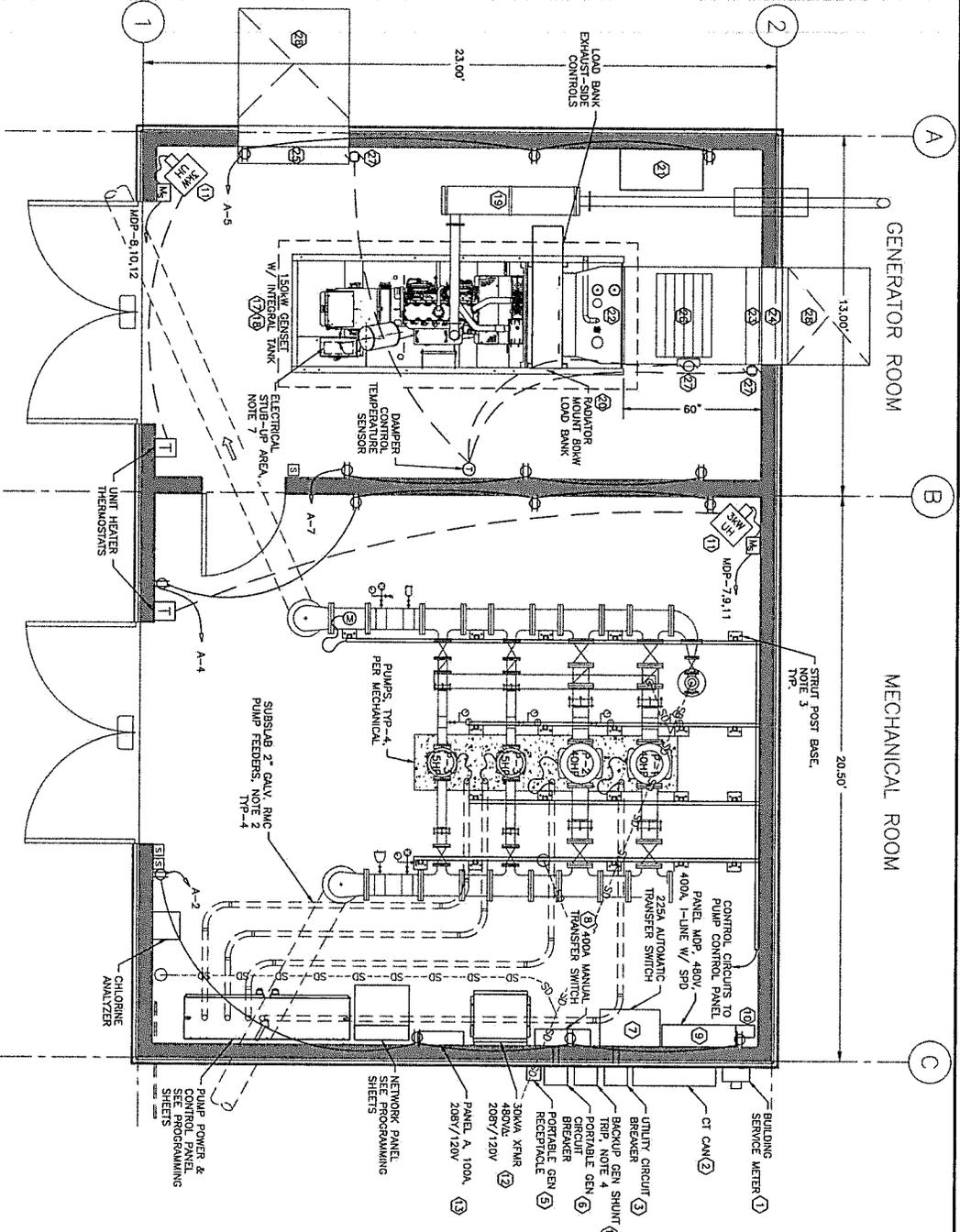
SHEET NUMBER
E-03



1 ELECTRICAL SITE PLAN



- NOTES:
1. SEE EQUIPMENT LIST SHEET E-04, FOR EQUIPMENT REMOVAL REFERENCE DESCRIPTIONS.
 2. INSTALL 2" GALVANIZED RMC UNDER FLOOR SLAB TO FEED THE PUMP MOTORS. CONDUITS TO STUB UP UNDER THE PUMP SLAB TO THE PUMP ROOM. CONDUITS TO STUB UP UNDER THE PUMP SLAB THROUGH THE BASED CONCRETE PAD NEAR EACH PUMP.
 3. CONDUIT FROM THE LOW METER SHALL BE SUPPORTED BY ANCHOR POST BASE. UNISTRUT T2241 OR EQUIV. ANCHOR POST BASE TO CONCRETE WITH ANCHOR BOLTS. ROUTE CONDUIT FROM CONTROL PANEL, AROUND THE WALL OF PUMP ROOM TO THE CONTROL PANEL. PROVIDE THE VERTICAL SUPPORTS. CONDUIT BENDS SHALL AVOID THE OVERHEAD PUMP CRANE RAILS.
 4. INSTALL A WIREGROUNDED PUSH BUTTON IN A FIBERGLASS REINFORCED CONCRETE FLOOR UNDER THE PUMP ROOM. PUSH BUTTON TO THE GENERATOR SHUNT TRIP BREAKER TO SHUTDOWN GENERATOR POWER IN AN EMERGENCY.
 5. SEE GENERATOR MECHANICAL SHEETS E-09 & E-10, FOR DETAILS ASSOCIATED WITH GENERATOR MECHANICAL ITEMS.
 6. SURFACE MOUNT ALL RECEPLACES AT 24" AFF. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE.
 7. THE GENERATOR SET AND TANK HAS AN ELECTRICAL STUB UP AREA UNDER THE GENSET BREAKER. CONTRACTOR MAY ELECT TO ROUTE CONDUITS AND CONDUCTORS UNDER THE SLAB TO MAKE ELECTRICAL CONNECTIONS AT THE GENSET. COORDINATE WITH THE PUMP ROOM CONTRACTOR. PROVIDE THE VERTICAL SUPPORTS. CONDUIT BENDS SHALL AVOID THE OVERHEAD PUMP CRANE RAILS. THE CONTRACTOR MAY ELECT TO ROUTE CONDUITS ALONG THE WALLS AND ON THE CEILING DOWN TO THE GENSET. PROVIDE CODE COMPLIANT SUPPORTS AND WIRING METHODS.



20a 125v receptacles be GFCI per NEC Article 210.8(B)(6)

1 ELECTRICAL BUILDING FLOOR PLAN



No.	DATE	RECORD OF REVISIONS	BY

MORRIS
 ENGINEERING & PUBLIC WORKS
 2715 JORDAN AVE #7
 JUNEAU, AK 99801
 (907) 752-2230
 www.morrisengineering.com

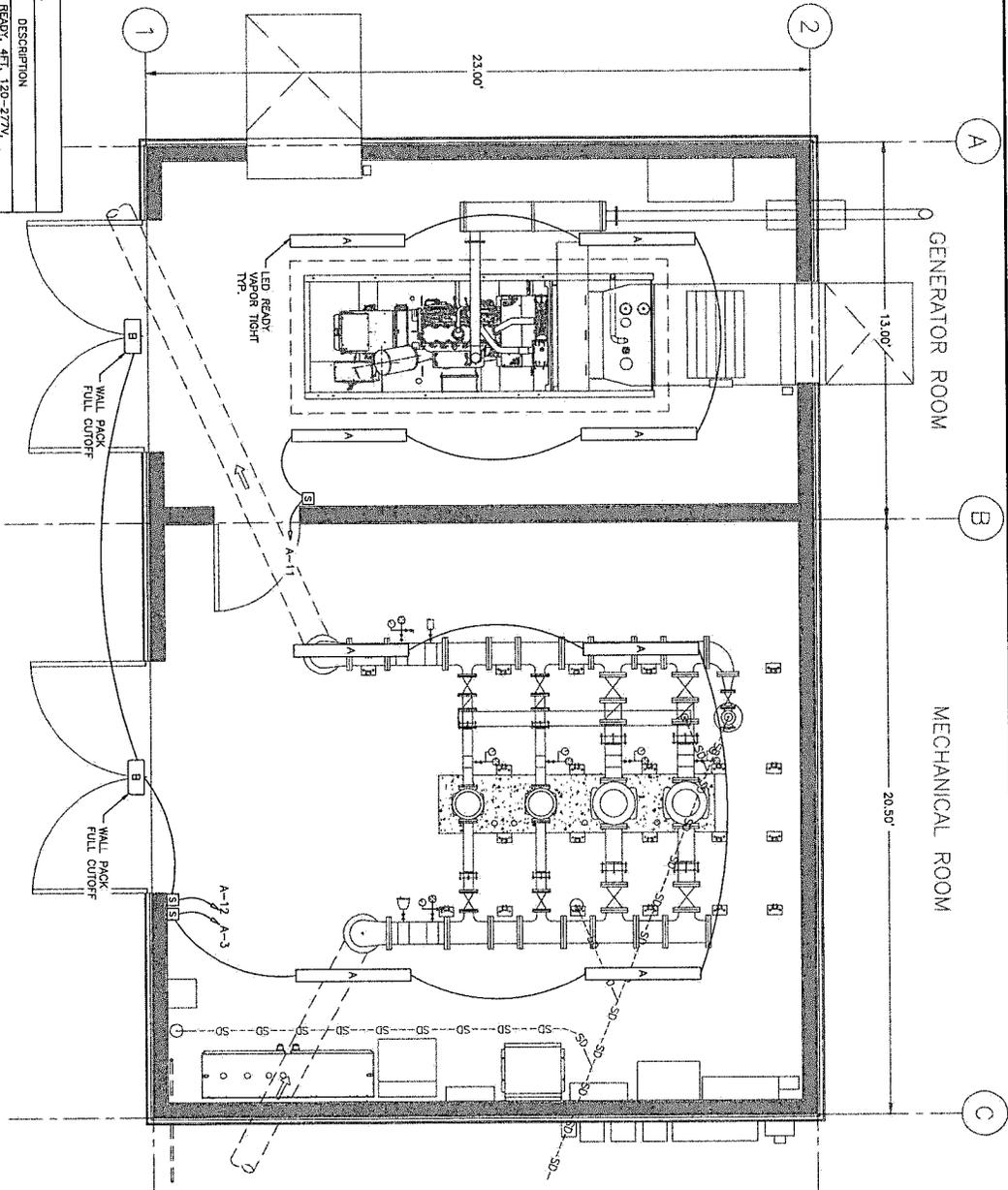
CITY AND BOROUGH OF JUNEAU
 ALASKA CAPITAL CITY
 ENGINEERING & PUBLIC WORKS
 BE25-317

COPE PARK PUMP STATION REPLACEMENT

ELECTRICAL BUILDING FLOOR PLAN

SHEET NUMBER E-07

- NOTES:
1. MOUNT VAPOR TIGHT LED READY TO THE CEILING. FIXTURES AND CONDUIT SHALL AVOID CONFLICT WITH PUMP SUPPORT RAILS ON THE CEILING.
 2. EXTERIOR WALL PACKS SHALL BE FULL CUT OFF. WALL PACKS OCCUPANCY SENSOR.



LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	P/N	DESCRIPTION
A	SUNCO	PRE-B724W1TR	VAPOR TIGHT LED READY, 4FT. 120-277V, DOUBLE-END TYPE B DIRECT WIRE AND TYPE C TUBES, SURFACE MOUNT, 2-LAMPS, 18 LED LAMPS
B	RAB LIGHTING	SLM17FAFC OR EQUAL	WALL PACK, FULL CUTOFF, FIELD ADJUSTABLE COLOR TEMPERATURE, DIM, BLACK FINISH, WITH ON/OFF OF DOOR, 2" ABOVE FRAME.

ELECTRICAL BUILDING LIGHTING PLAN

RECORD OF REVISIONS

No.	DATE	DESCRIPTION	BY

DESIGNED BY: B. DYBALCH
 CHECKED BY: N. MORRIS

2715 LONDON AVE #7
 MORRIS ENGINEERING GROUP INC.
 (807) 783-3330
 www.morrisengineeringgroup.com

MORRIS ENGINEERING GROUP INC.

CERTIFICATE OF AUTHORIZATION

CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY

ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT

BE25-317

ELECTRICAL LIGHTING PLAN

SHEET NUMBER

E-08



RECORD OF REVISIONS	
No.	DATE

DESIGNED BY: SHH	DRAWN BY: WAL
CHECKED BY: SHH	PROJECT: COPE PARK PUMP STATION REPLACEMENT
DATE: 06/16/2025	SCALE: 1/8"=1'-0"

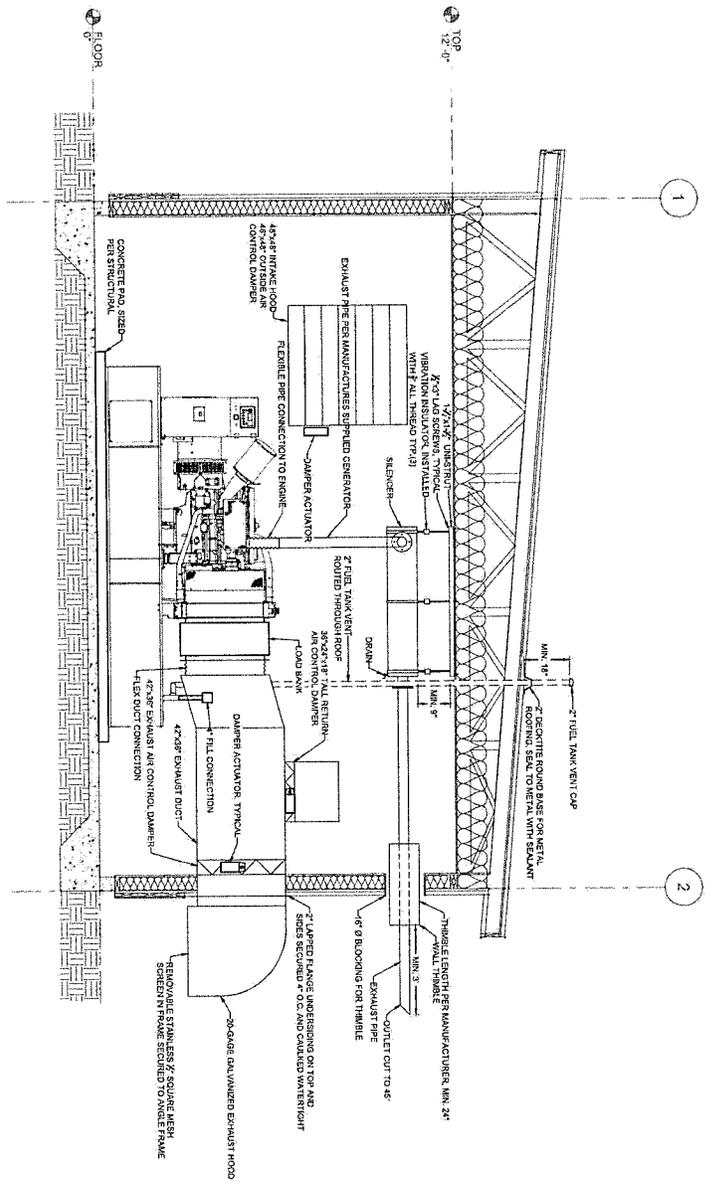
MODERN MECHANICAL Mechanical Engineers 1001 Bank Hill Rd. (W) 72 Waverline Pompano Beach, FL 33069 modernmechanical.com	
CENTRAL FLORIDA AUTHORITY	



COPE PARK PUMP STATION REPLACEMENT
BE25-317

GENERATOR MECHANICAL SECTION
SHEET NUMBER **E-10**

1 GENERATOR MECHANICAL SECTION
1/8"=1'-0"





RECORD OF REVISIONS	
NO.	DATE

ALASKA AUTOMATION
 CERTIFICATE OF AUTHORIZATION #17581
 210 KOMOVA WAY
 JUNEAU, AK 99801
 (907) 586-0442
 alaska@alaskaautomation.com

DESIGNED BY	BSR
CHECKED BY	KTR



COPE PARK PUMP STATION REPLACEMENT
 BE25-317

LEGEND

P-01
 SHEET NUMBER

<p>POWER SYMBOLS</p> <ul style="list-style-type: none"> MOTOR CONNECTION CIRCUIT BREAKER LINE REACTORS TRANSFORMER PANEL GROUND BUS EARTH GROUND WIRE CONNECTION BUSBAR TIP OUT FUSE 	<p>CONTROL SYMBOLS</p> <ul style="list-style-type: none"> NORMALLY OPEN LIMIT SWITCH RELAY COIL NORMALLY OPEN RELAY CONTACT NORMALLY CLOSED RELAY CONTACT FLOAT SWITCH POTENTIOMETER PUSH TO TEST LIGHT HOA SELECTOR SWITCH 	<p>WIRING</p> <ul style="list-style-type: none"> INTERNAL WIRING FIELD WIRING TWISTED SHIELDED PAIR WITH SIGNAL GROUND WIRE LABEL 	<p>GENERAL</p> <ul style="list-style-type: none"> GROUND CONNECTION TERMINAL BLOCK CONNECTION COMPONENT TERMINAL CONNECTION EXTENSION
---	--	--	--



No.	DATE	RECORD OF REVISIONS	BY
		DESCRIPTION	

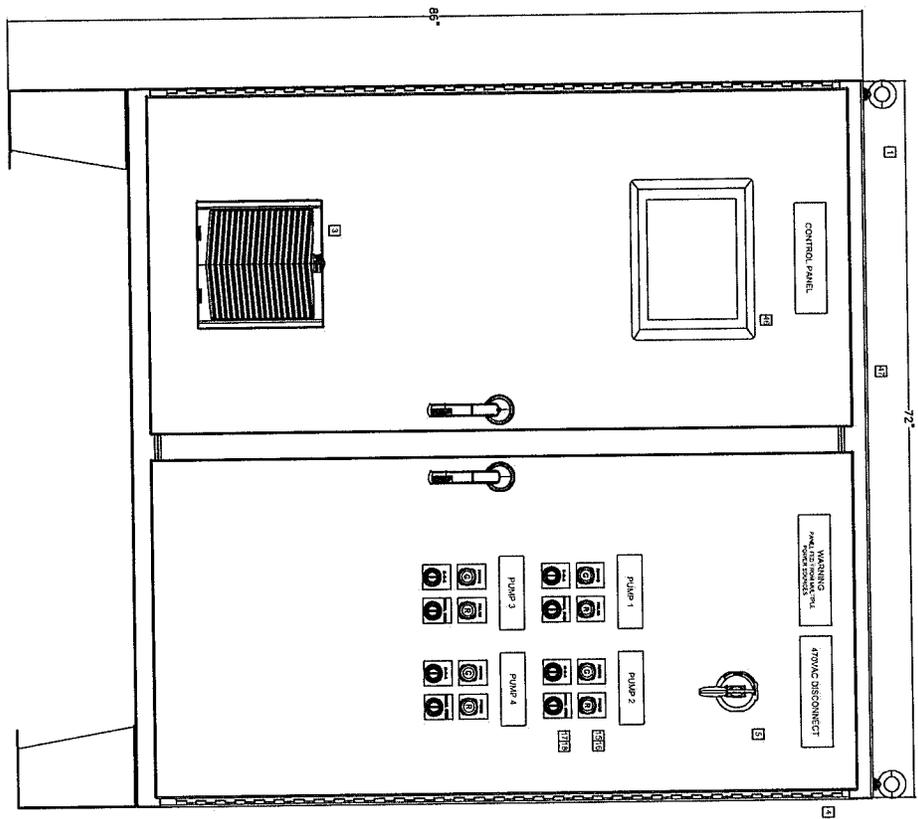
ALASKA AUTOMATION
 CENTRAL OFFICE OF AUTOMATIZATION
 210 AQUINAS WAY
 JUNEAU, ALASKA 99801
 (907) 725-3441
 BRNA@alaskaautomation.com

CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS
 ALASKA'S CAPITAL CITY

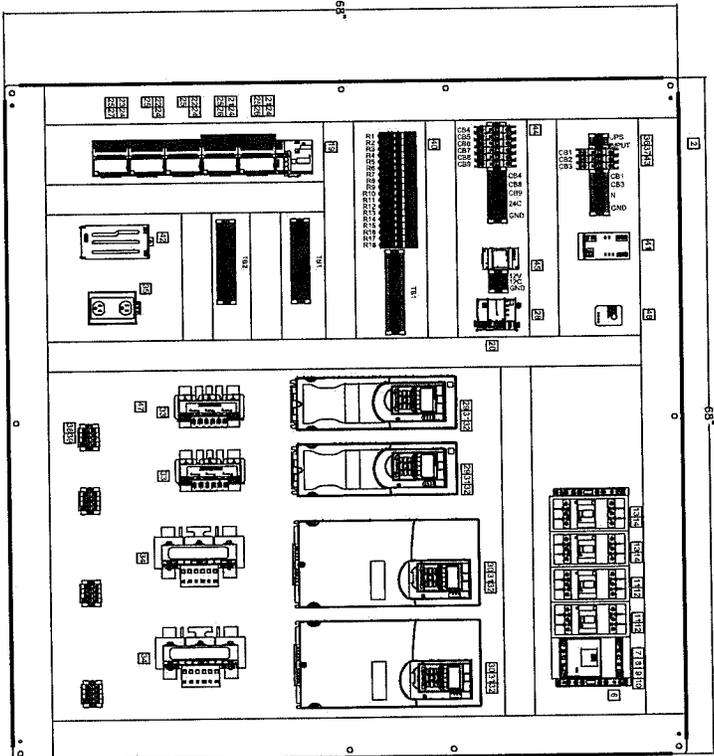
COPE PARK PUMP STATION REPLACEMENT
 BE25-317

PANEL LAYOUT
 SHEET NUMBER
P-02

1 ENCLOSURE



2 PANEL



NOTES:
 1. PANEL TO BE UL508A LISTED.
 2. BOND ENCLOSURE DOOR PER NEC.
 3. BOND TYPICAL FOR GUIDANCE ONLY.
 4. PANEL LAYOUT FOR GUIDANCE ONLY.

Item	Quantity	Part Number	Description	Manufacturer
1	1	A74H7218LP3PT	Two-Door Floorstand and 3pt Latch Type 4, 74.06x72.06x18.06, Gray, Steel	Hoffman
2	1	A72P72	Panel for Type 3R 4 4X 12 13 Enclosure, fits 62x72, White, Steel	Hoffman
3	1	HF13165Z3	HF13 Side-Mount Filter Fan, 115V 197CFM, Black	Hoffman
4	1	HG1300503	HG Filter Fan Exhaust Grille IPS4, fits HF13 fans 13-inch, Black, Plastic.	Hoffman
5	1	140G-H-RVM218	140G/1494V Product Handle Accessories/Operating Mechanisms, 140G Rotary, Rotary Handle, 21 inches, Black	Allen Bradley
6	4	141A-TR3	Busbar, 20 x 10 mm (520 Amps), 800 mm in length, Priced per Piece, must buy in multiples of 3	Allen Bradley
7	1	141A-BCR	Provides isolation between busbar and panel (required for feeder circuit applications per UL 508A)	Allen Bradley
8	1	141A-B2010A	Busbar, 20 x 10 mm (520 Amps), 800 mm in length, Priced per Piece, must buy in multiples of 3	Allen Bradley
9	1	140G-J3F3-D20-MB	140G - Molded Case Circuit Breaker, J frame, 35 kA Interrupt Rating, T/M, 3 Poles, 200 A, Busbar Mount	Allen Bradley
10	1	140G-J-TL1A1A3	Frame-J, Terminal Lug, Qty 3, FCCuAl 1x4-300(25-150)	Allen Bradley
11	2	140G-G2C3-D12-MT	140G - Molded Case Circuit Breaker, G frame, 25 kA Interrupt Rating, T/M, 3 Poles, 125 A, Standard Busbar Mount	Allen Bradley
12	2	140G-G-TL1A13	Frame-G, Terminal Lug, CuAl 1x10-2/0 AWG(4-70mm2), Qty3	Allen Bradley
13	2	140G-G2C3-C25-MT	140G - Molded Case Circuit Breaker, G frame, 25 kA Interrupt Rating, T/M 3 Poles, 25 A, Standard Busbar Mount	Allen Bradley
14	2	140G-G-TLC13	Frame-G, Terminal Lug, Qty 3, FCCu 1x14-1/0(2.5-50)	Allen Bradley
15	4	800H-QRT1H2G	30.5mm Type 4/4X/13 Pilot Light, LED, Green, 12-130V AC/DC, 1 NO-1 NC	Allen Bradley
16	4	800H-QRT1H2R	30.5mm Type 4/4X/13 Pilot Light, LED, Red, 12-130V AC/DC, 1 NO-1 NC	Allen Bradley
17	4	800H-JR2B	3 Position Selector Switch, White, Std. Knob Maint., 3 Position	Allen Bradley
18	4	800H-UR29	30.5mm Type 4/4X Potentiometer Unit, 10 Kilohms Resistive Element	Allen Bradley
19	1	5094-AENTR	5094 Ethernet Adapter 8 Modules RJ45	Allen Bradley
20	1	5069-RTB64-SCREW	5069 Compact I/O Power terminal RTB kit for both 4 and 6 pin screw type	Allen Bradley
21	2	5094-IF8	5094 Analog 8 Input	Allen Bradley
22	2	5094-IB16	5094 Digital 16 Input	Allen Bradley
23	1	5094-OB16	5094 Digital 16 Output	Allen Bradley
24	5	5094-MB	5094 Mounting Base	Allen Bradley
25	5	5094-RTB3	5094 RTB Screw	Allen Bradley
26	1	5094-STB-QTY5	5094 Shield RTB Screw - Pack of 5	Allen Bradley
27	1	5094-ECR-QTY5	5094 End Cap	Allen Bradley
28	1	5069-L306ER	Controller, Compactlogix 5380, 600 KB User Memory, 8 I/Os, 16 Ethernet/IP Devices	Allen Bradley



NO.	DATE	RECORD OF REVISIONS	BY
		DESCRIPTION	

ALASKA AUTOMATION
 210 JUNEAU WAY
 JUNEAU, AK 99801
 (907) 752-2448
 Sales@alaskaautomation.com



COPE PARK PUMP STATION REPLACEMENT
 BE26-317

MATERIAL LIST

Item	Quantity	Part Number	Description	Manufacturer
29	2	20G21ND022JAQNNNNNN	PowerFlex 755TS AC Drive, with dual Embedded EtherNet/IP, Open Type, 480 VAC, 3 PH, 22 Amps, 15HP ND	Allen Bradley
30	2	20G21ND053JAQNNNNNN	PowerFlex 755TS AC Drive, with dual Embedded EtherNet/IP, Open Type, 480 VAC, 3 PH, 53 Amps, 40HP ND	Allen Bradley
31	4	20-750-2262C-2R	PF750-24V I/O Module-2A,2A0,6DI,2RO	Allen Bradley
32	4	20-HIM-A6	PowerFlex Architecture Class Enhanced HIM, NEMA 1	Allen Bradley
33	2	KDRB2L	KDR, 480V, 15HP, 25A Max, 3 Phase, Open, Input Line Inductor, Low Impedance, UL Listed	TCl
34	2	KDRCLL	KDR, 480V, 55A, 40HP, 3 Phase, Open, Input Line Inductor, Low Impedance, UL Listed	TCl
35	1	5600461	Rail-mounted dual power outlet with two 120 V AC/15 A receptacles for 35 mm DIN rail.	Phoenix Contact
36		3044102	Feed-through terminal block, nom. voltage: 1000 V, nominal current: 32 A.	Phoenix Contact
37		3044128	Ground terminal, number of connections: 2, connection method: Screw.	Phoenix Contact
38		3044199	Feed through terminal, number of connections: 2, connection method: Screw, 16-4AWG.	Phoenix Contact
39		3044212	Ground terminal, number of connections: 2, connection method: Screw, 16-4AWG.	Phoenix Contact
40	18	2905291	Preassembled relay module with Push-in connection. 2 contacts. Input voltage: 24 V DC.	Phoenix Contact
41	1	2907161	TRIO UPS - UPS with integrated power supply, Push-in connection, input: 1-phase, output: 24 V DC / 10 A	Phoenix Contact
42	1	1274117	Battery module (device with battery), VRLA-AGM, 24 V DC, 4 Ah	Phoenix Contact
43	1	FAZ-C10-1-NA-SP	Miniature circuit breaker, current-limiting, 10A	Eaton
44	8	FAZ-C5-1-NA-SP	Miniature circuit breaker, current-limiting, 5A	Eaton
45	1	PSL-12-30	PSL series switching power supply, 12 VDC, 120/240 VAC Input, 1-phase	Rhino
46	1	CV-P2102	Cincoze Rugged Panel PC, i3 processor, 15", s128GB SSD, 16GB SO-DIMM, Auto On, Windows 11 Pro.	OnLogic
47	1	LEDD2S35	LED Light Kit, 1.34x1.26x13.82, VDC Motion Screw Mounting, Plastic.	Hoffman
48	1	THERM16F	Thermostat Controller, 115V Fahrenheit.	Hoffman



No.	DATE	RECORD OF REVISIONS	BY
		DESCRIPTION	

ALASKA AUTOMATION

CENTRALITE SYSTEMS CORPORATION

310 ANCHORAGE WAY
ANCHORAGE, ALASKA 99503
(907) 725-3442
bak@alaskaautomation.com



COPE PARK PUMP STATION REPLACEMENT

BE25-317

MATERIAL LIST (CONTINUED)



No.	DATE	RECORD OF REVISIONS DESCRIPTION	BY

ALASKA AUTOMATION
 210 ADRIAN WAY
 JUNEAU, AK 99801
 (907) 752-8462
 www.alaskaautomation.com

CERTIFICATE OF AUTHORIZATION #17399

DRAWN BY: BRR
 CHECKED BY: KPR

CITY AND BOROUGH OF JUNEAU
 ENGINEERING & PUBLIC WORKS

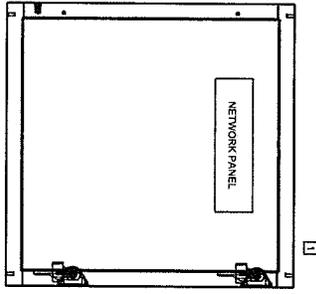
COPE PARK PUMP STATION REPLACEMENT
 BE26-317

NETWORK PANEL

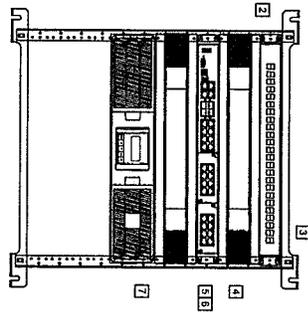
SHEET NUMBER
P-05

Item	Quantity	Part Number	Description	Manufacturer
1	1	PTHS242424G4	ProTek Double-Hinge Solid Type 4 4X 12, 24.09x23.62x24.02, Lt Gray, Steel	Hoffman
2	1	PTRA24T	ProTek Rack Angles Tapped, 21.00 12U, Plated Steel	Hoffman
3	1	FHU-FPP48FLCSMF	FHU 1U 19" Fiber Adapter Panel, 48 Fibers OS2 Single Mode, 24 x LC UPC Duplex (Blue) Adapter, Ceramic Sleeve	Hoffman
4	2	DCHS2	CableTek Horizontal Cable Manager 2U Single Sided, fits 19in, Black, Composite	Hoffman
5	1	CRS328-4C-20S-4S+RM	Smart Switch, 20 SFP cages, 4 SFP+ cages, 4 Combo ports, 800MHz CPU, 512MB RAM, 1U rackmount case, Dual Power Supplies, Dual Boot	Mikrotik
6	2	S-3553LC20D	Two SFP (1.25G) module kit, 20Kv, single mode	Mikrotik
7	1	9PX1000RT	Eaton 9PX 1000VA Double Conversion Online UPS	Eaton

3 MATERIAL LIST



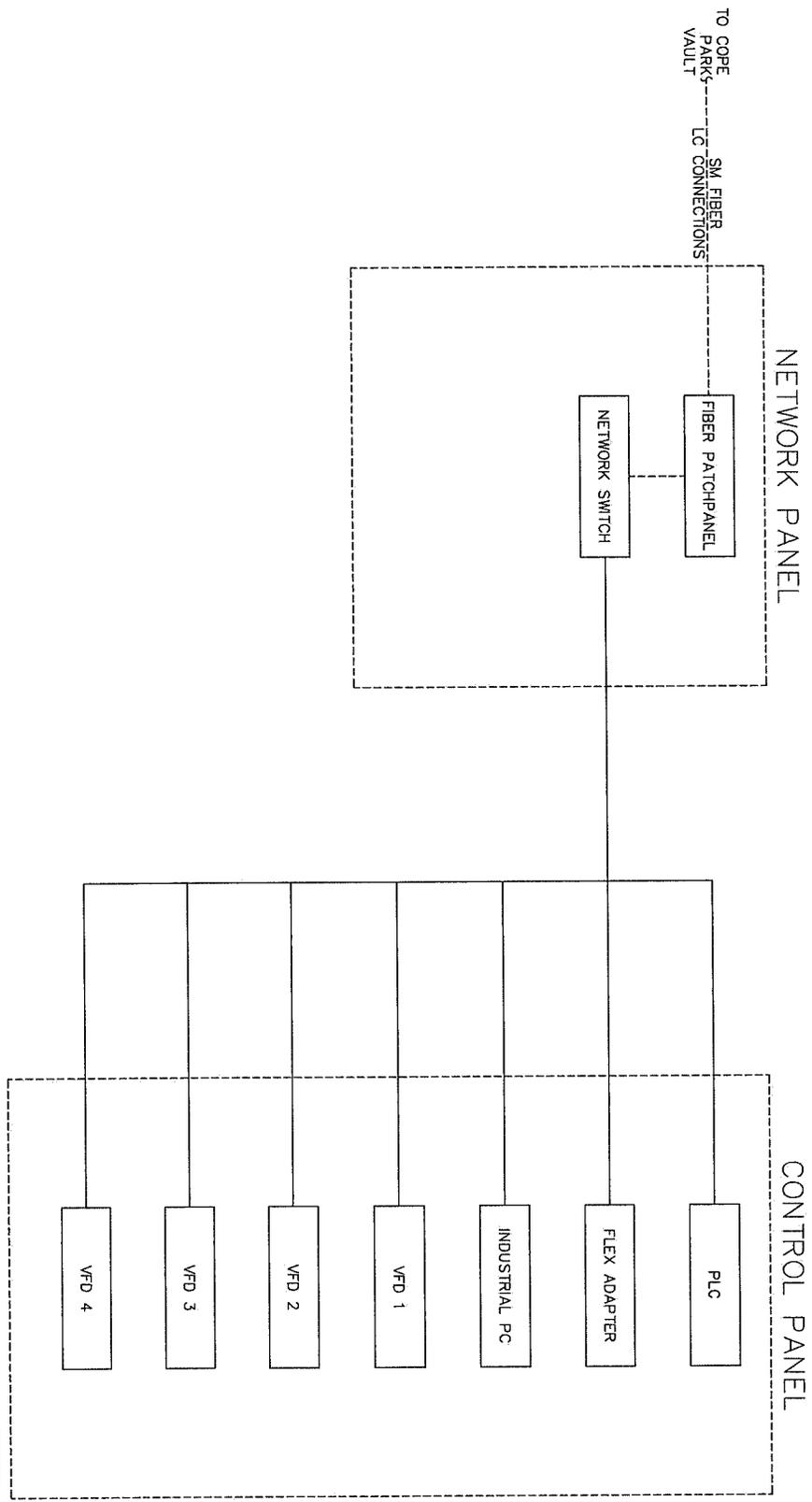
1 ENCLOSURE



2 NETWORK GEAR

NOTES
 1. TERMINATE ALL CONTROL PANEL NETWORK CONNECTIONS
 IN NETWORK PANEL.

LEGEND
 Fiber Optic 50/125, OM3, 10Gbps
 CAT5E, 1000 Mbs



	NO.	DATE	RECORD OF REVISIONS	BY		DRAWN BY: <u>SR</u> DESIGNED BY: <u>SR</u> CHECKED BY: <u>KFR</u>		COPE PARK PUMP STATION REPLACEMENT BE25-317	NETWORK DIAGRAM	SHEET NUMBER P-06
						210 ADMIRAL WAY JUNEAU, ALASKA 99801 (907) 725-4442 info@alaskaautomation.com				



NO.	DATE	RECORD OF REVISIONS	BY

ALASKA AUTOMATION

CENTRAL DIVISION OF AUTOMATIZATION
#312397

310 ADMIRAL WAY
JUNEAU, AK 99801
(907) 752-2442

DOWN BY: BSR
DESIGNED BY: BSR
CHECKED BY: RTR

310 ADMIRAL WAY
JUNEAU, AK 99801
(907) 752-2442

MAIL@ALASKAUTOMATION.COM

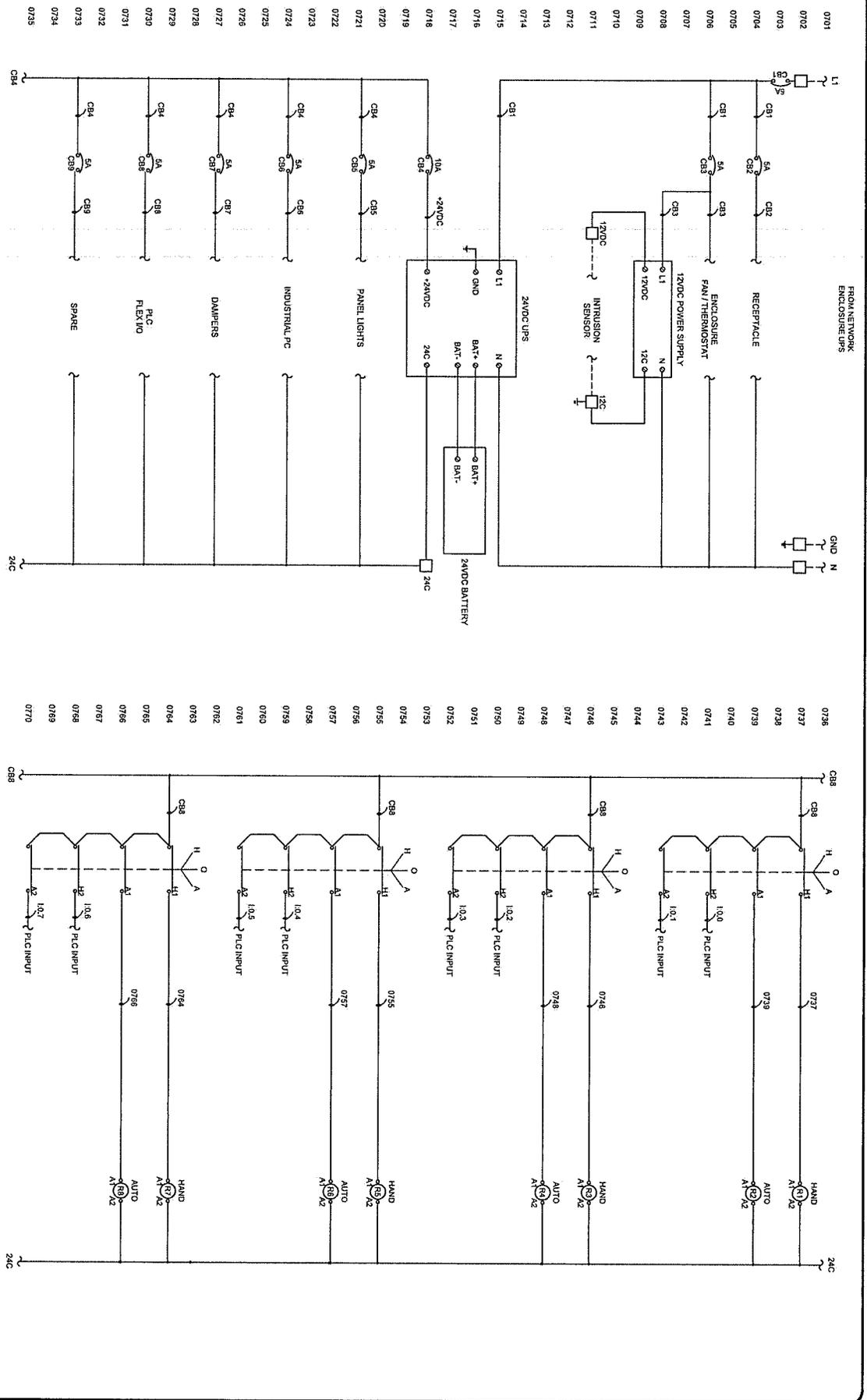
CITY AND BOROUGH OF JUNEAU
ALASKA CAPITAL CITY

ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

PANEL CONTROL

SHEET NUMBER
P-07





No.	DATE	DESCRIPTION	BY

ALASKA AUTOMATION
 CERTIFICATE OF AUTHORIZATION
 210 AQUINA WAY
 JUNEAU, ALASKA 99801
 (907) 725-3442
 blake@alaskaautomation.com

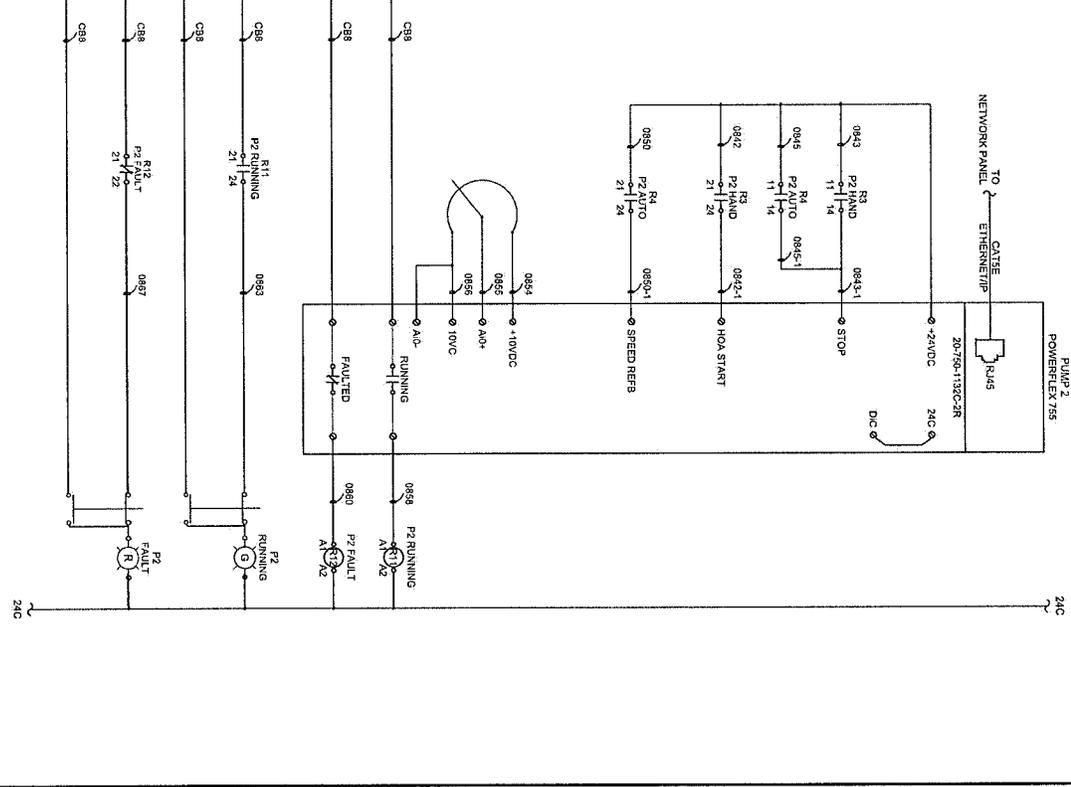
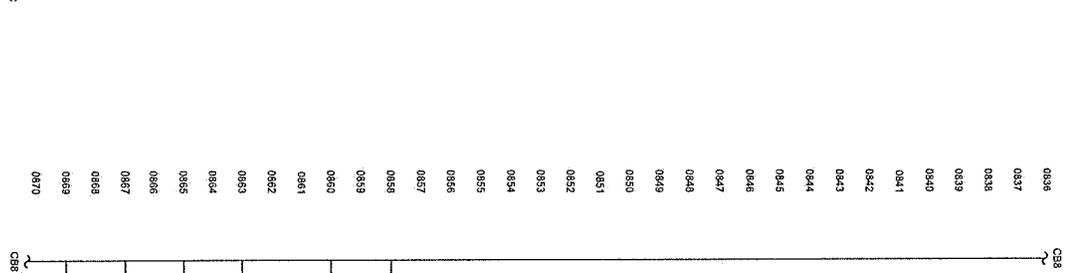
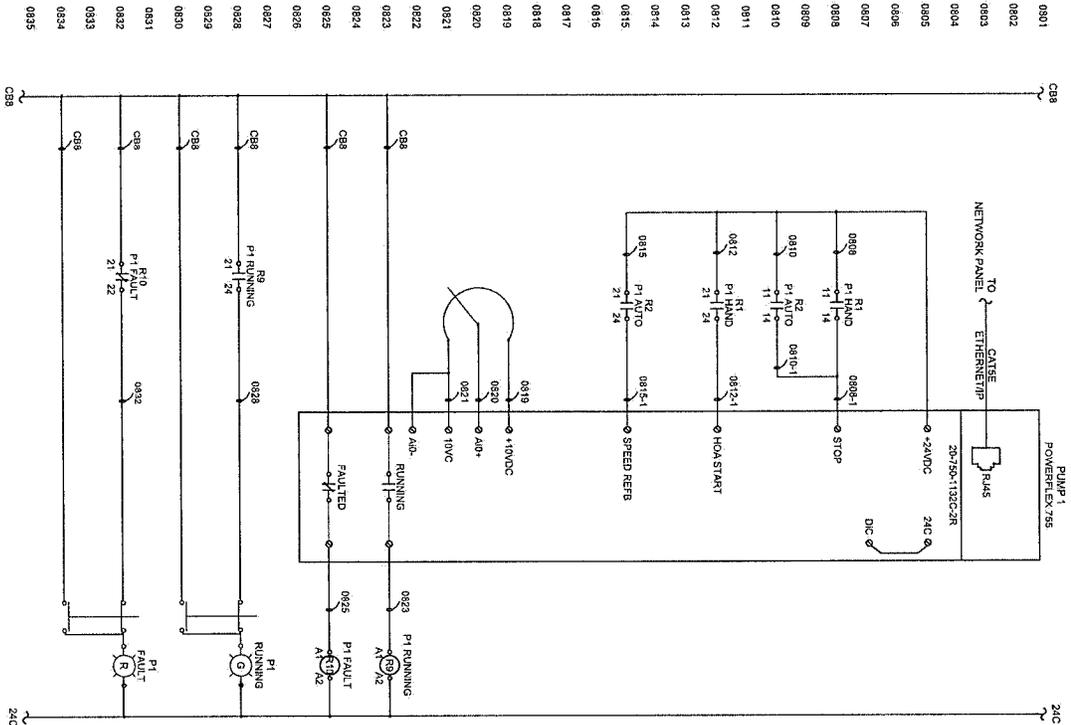
DESIGNED BY:	SR
CHECKED BY:	KSR



COPE PARK PUMP STATION REPLACEMENT
 BE25-317

VFD DETAIL 1

SHEET NUMBER
P-08





NO.	DATE	RECORD OF REVISIONS	BY

ALASKA AUTOMATION
CERTIFICATE OF AUTHORIZATION
No. 14-120

210 ADRIAL WAY
JUNEAU, ALASKA 99901-723442
907.723.4442
BBA@alaskaautomation.com

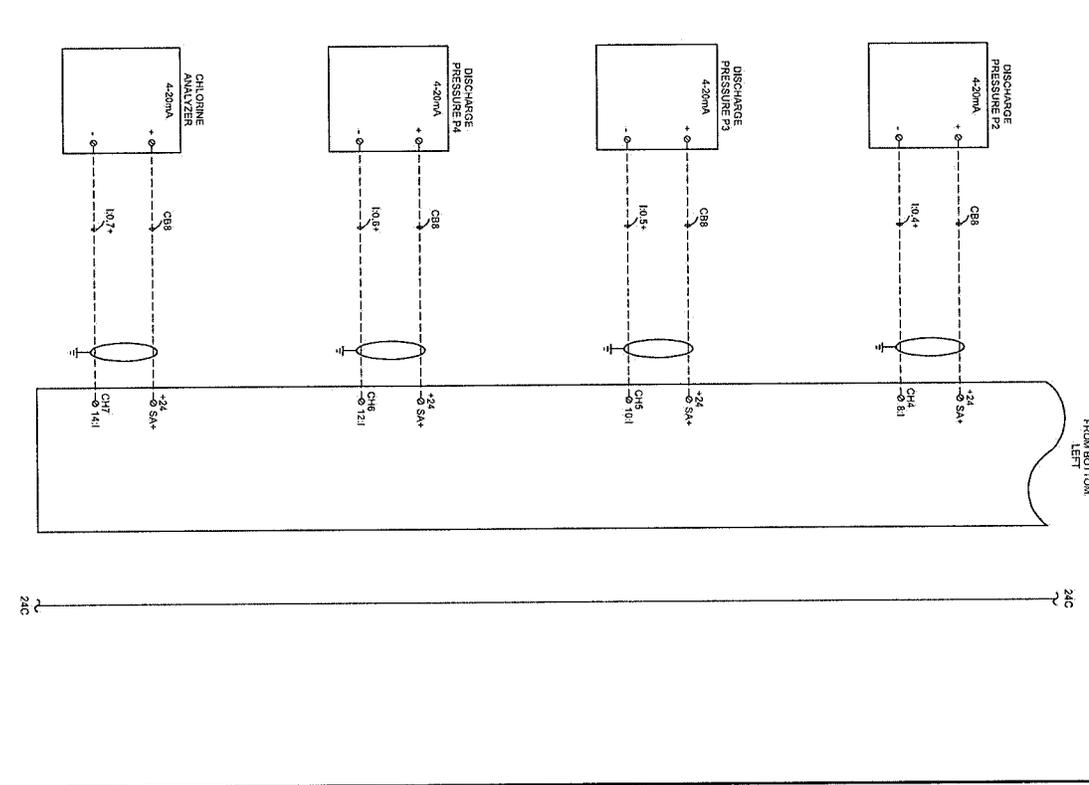
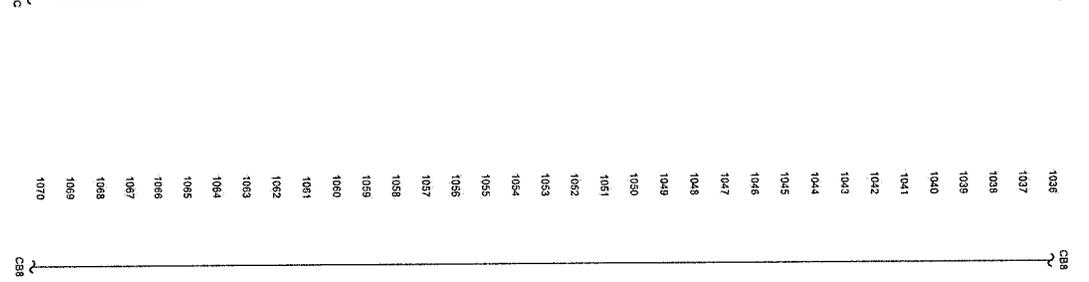
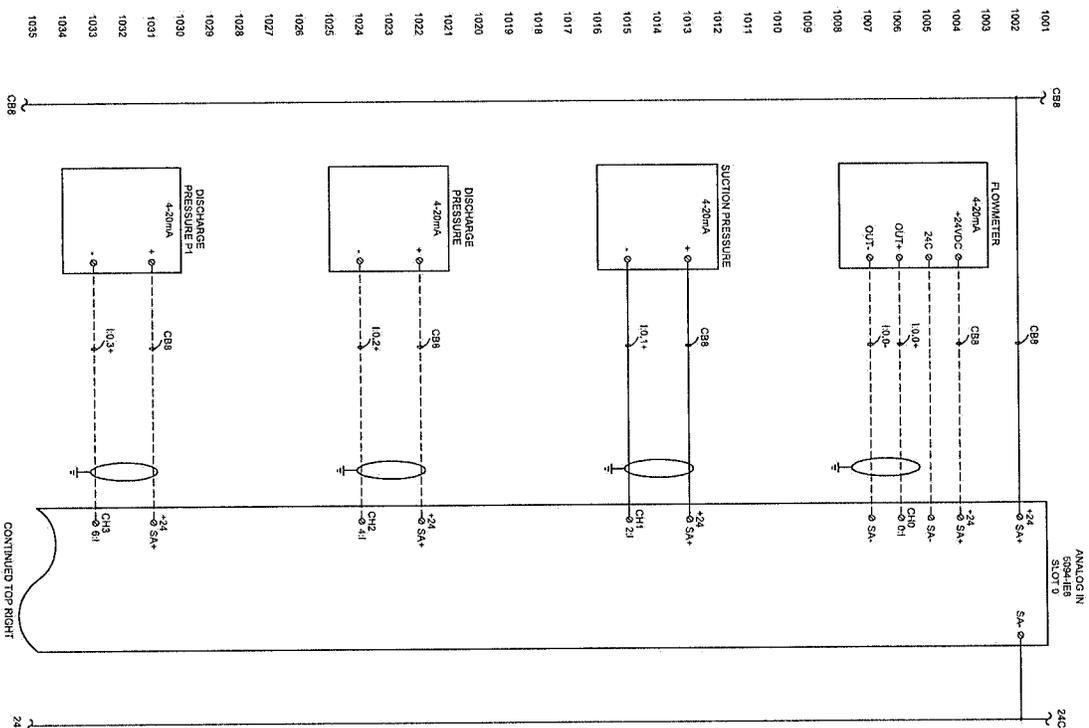
DESIGNED BY:	BBB
CHECKED BY:	KTR

CITY AND BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

ANALOG INPUTS 1

SHEET NUMBER
P-10





No.	DATE	RECORD OF REVISIONS	BY

ALASKA AUTOMATION

CENTRAL OFFICE OF AUTOMATION
547 1/2 W. 11th Avenue
Juneau, Alaska 99801
(907) 733-4442
blake@alaskaautomation.com

DESIGNED BY:	BR
CHECKED BY:	KR

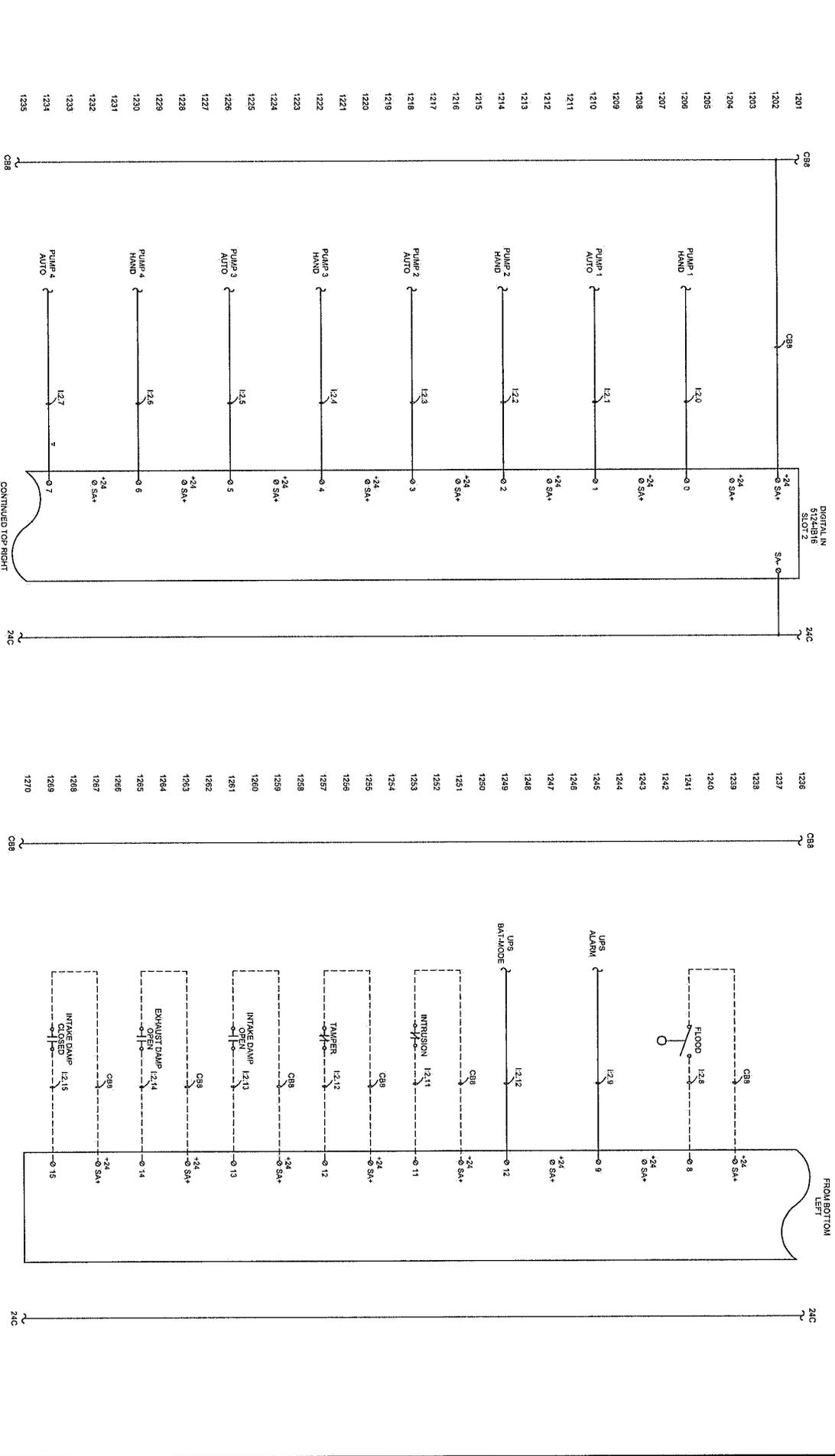
CITY AND BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT
BE25-317

DIGITAL INPUTS 1

SHEET NUMBER
P-12





No.	DATE	RECORD OF REVISIONS	DESCRIPTION	BY

ALASKA AUTOMATION

210 ADIRUBAL WAY
JUNEAU, AK 99801
(907) 726-2442

CERTIFICATE OF AUTHORIZATION #71297

www.alaskaautomation.com

CITY AND BOROUGH OF JUNEAU

ALASKA CAPITAL CITY

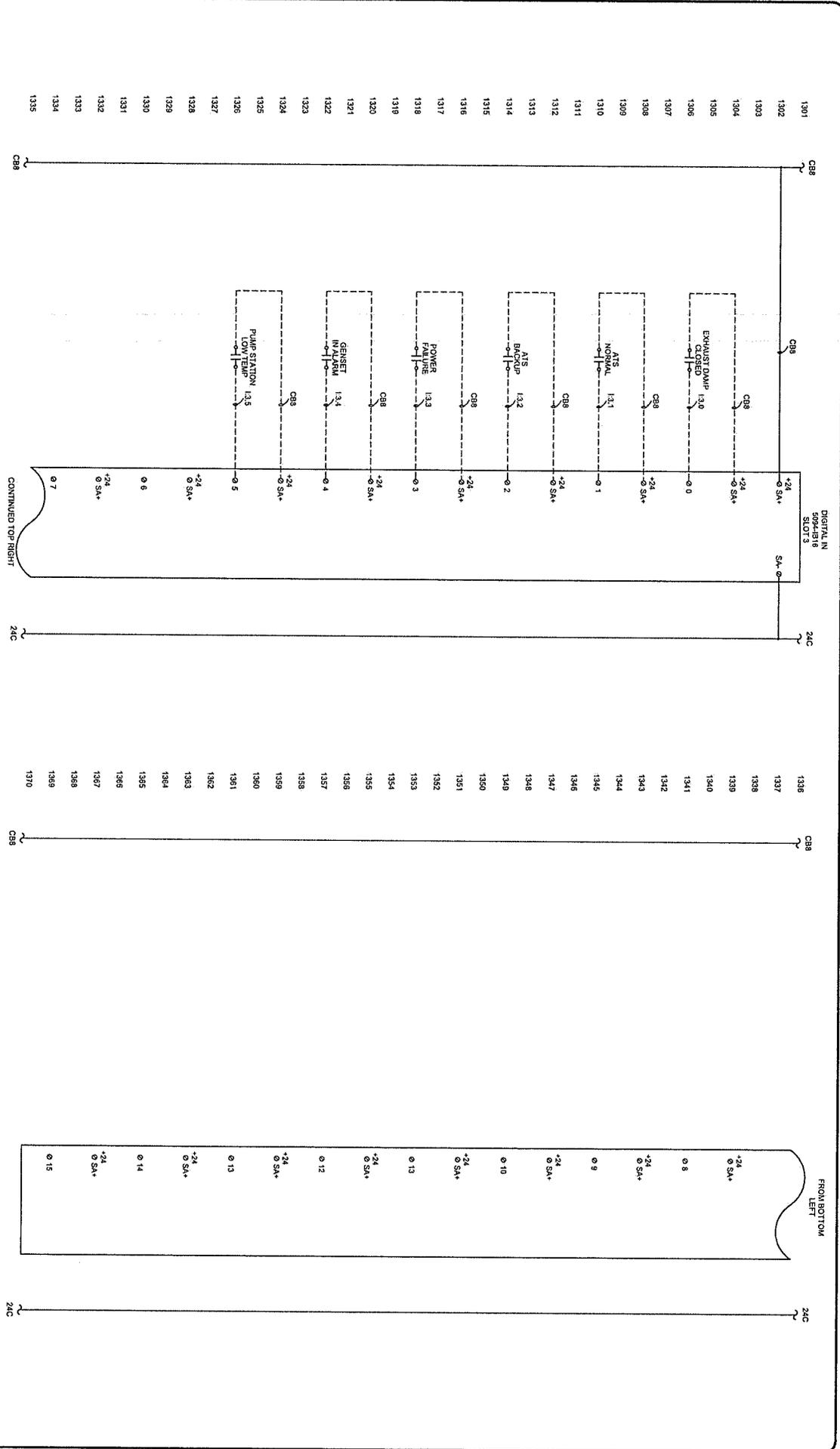
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT

BE25-317

DIGITAL INPUTS 2

SHEET NUMBER
P-13





No.	DATE	DESCRIPTION	BY
CONTINUED TOP RIGHT			
RECORD OF REVISIONS			

ALASKA AUTOMATION

210 ADRIAN WAY
JUNEAU, AK 99801
907.725.4445

CERTIFICATE OF AUTHORIZATION #172591

hls@alaskaautomation.com

DESIGNED BY	ISSR
ENGINEERED BY	KIR

CITY AND BOROUGH OF JUNEAU

ALASKA'S CAPITAL CITY

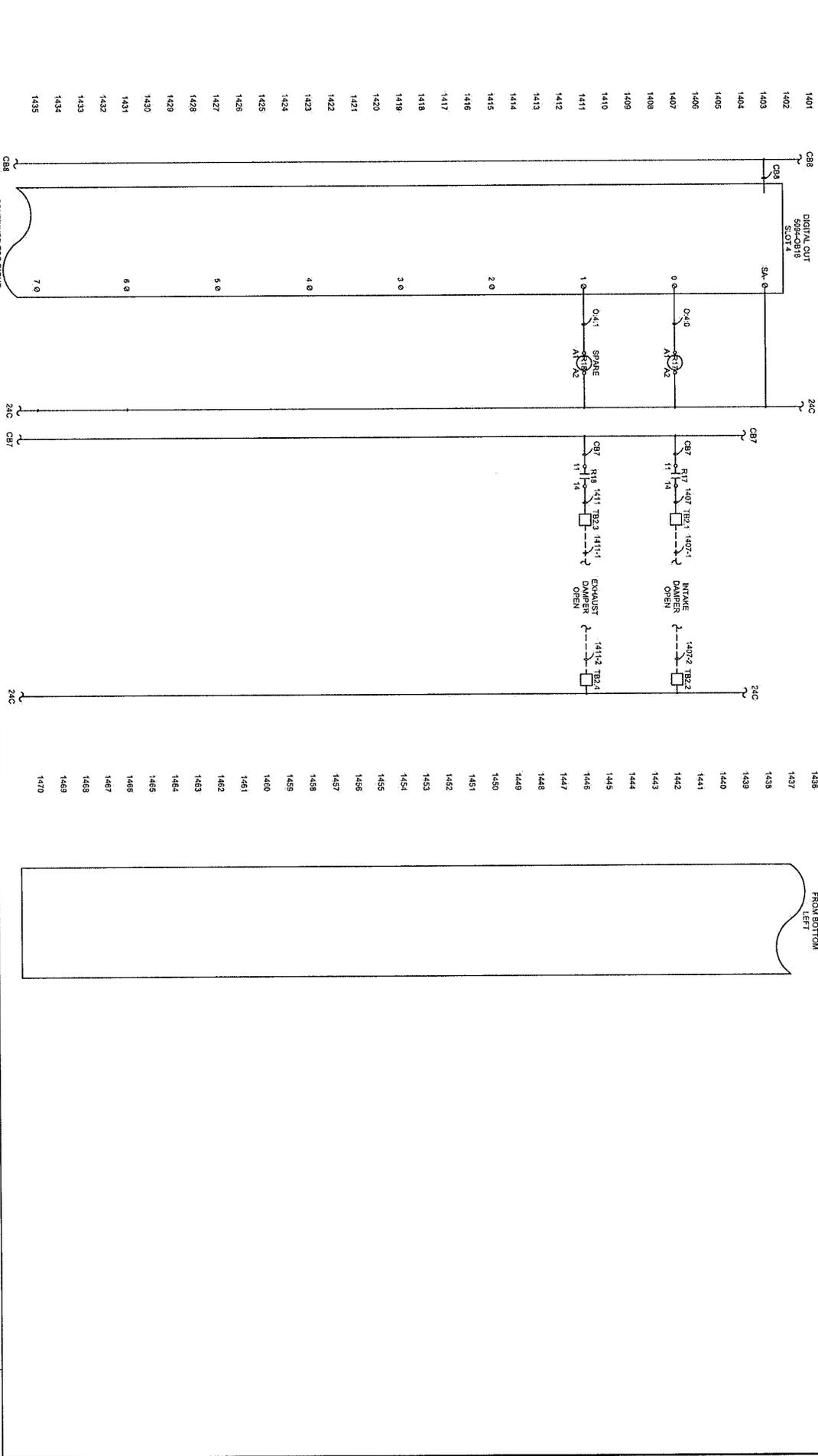
ENGINEERING & PUBLIC WORKS

COPE PARK PUMP STATION REPLACEMENT

BE25-317

DIGITAL OUTPUTS

SHEET NUMBER
P-14





NO.	DATE	REVISIONS	BY

LAND SURVEYS LLC 9927 214-THIRD STREET, SUITE 201, JUNEAU, AK 99801 PHONE: 907-586-1234 FAX: 907-586-1235 WWW.LANDSURVEYSLLC.COM	DRAWN BY: [] CHECKED BY: [] DATE: [] SCALE: []
--	---



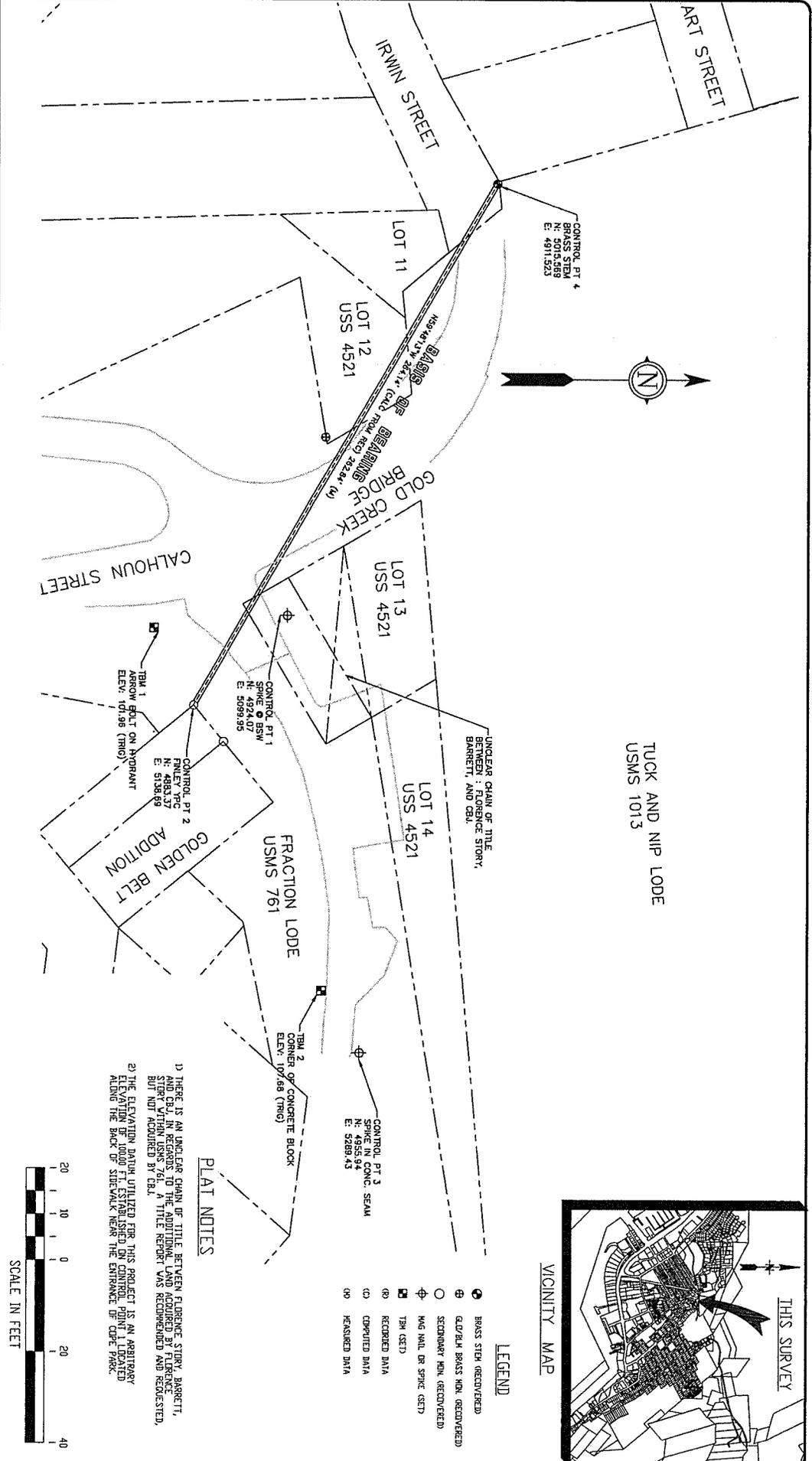
COPE PARK PUMP STATION REPLACEMENT

9828-317

SURVEY CONTROL SHEET

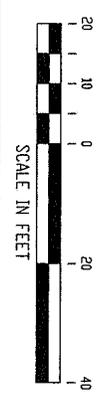
PORTIONS OF FRACTION LODGE, USMS 76, USS 4521, USMS 1013, AND IRWIN ADDITION JUNEAU RECORDING DISTRICT

SHEET NUMBER
L-01

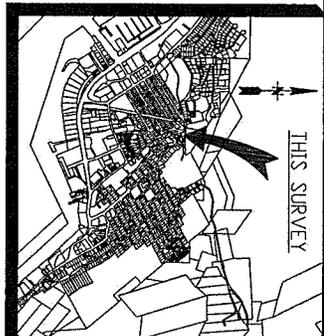


PLAT NOTES

- 1) THERE IS AN UNCLEAR CHAIN OF TITLE BETWEEN FLORENCE STORY, BARRETT, AND CO., IN REGARDS TO THE ADDITIONAL LAND ACQUIRED BY FLORENCE STORY WITHIN USMS 76. A TITLE REPORT WAS RECOMMENDED AND REQUESTED, BUT NOT ACQUIRED BY CBS.
- 2) THE ELEVATION DATUM UTILIZED FOR THIS PROJECT IS AN ARBITRARY ELEVATION OF 100.00 FT. ESTABLISHED ON CONTROL POINT 1 LOCATED ALONG THE BACK OF SIDEWALK NEAR THE ENTRANCE OF COPE PARK.



VICINITY MAP



LEGEND

- BRASS STAKE (RECOVERED)
- ⊕ GLAZED BRASS MON. (RECOVERED)
- SECONDARY MON. (RECOVERED)
- ⊕ W/6 NAIL OR SPIKE (SET)
- ⊕ TBM (SET)
- (R) RECORDED DATA
- (C) COMPUTED DATA
- (P) REASSED DATA

