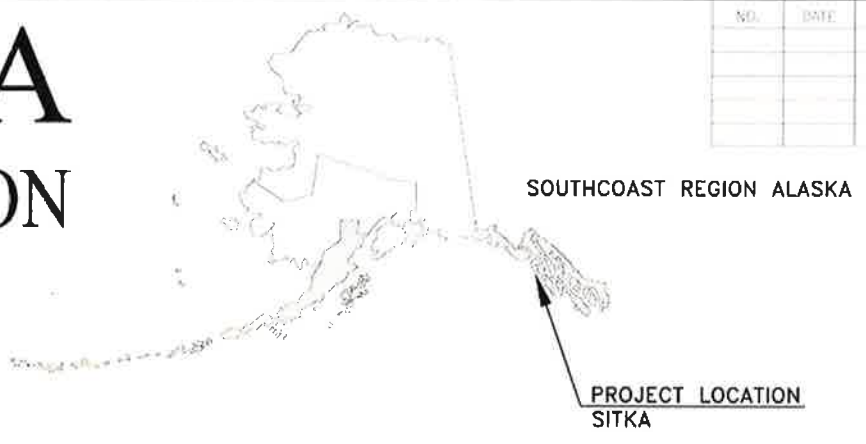


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES

PROPOSED AIRPORT PROJECT

SITKA PERIMETER FENCING & GATE UPGRADES
PROJECT NO. SFAPT00123 A.I.P. No. 3-02-0268-031-2017

FENCING, GATES, AUTOMATION, AND SECURITY UPGRADES



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	1	18
CDS ROUTE:			MILEPOINT:				
LATITUDE: 57°02'49"N			LONGITUDE: 157°21'40"W				

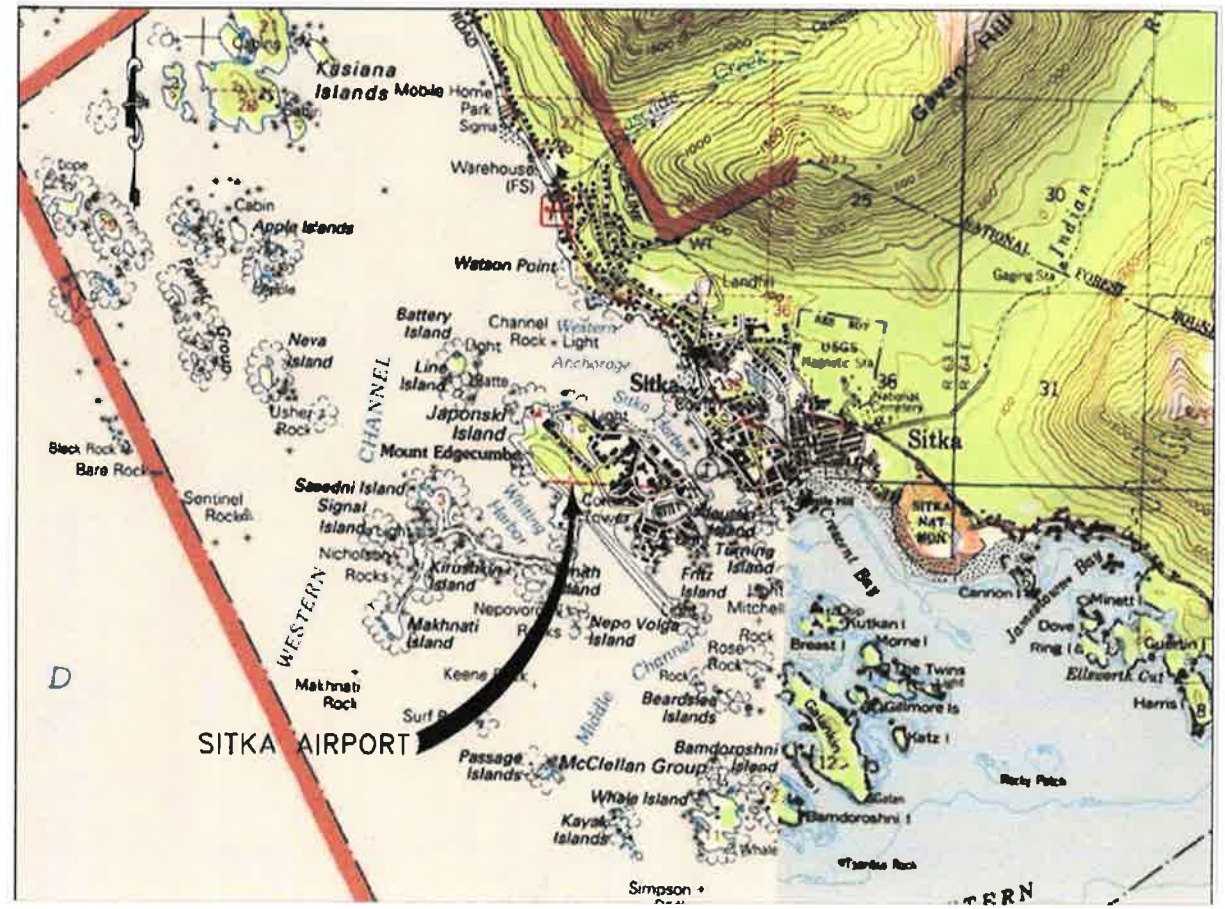
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	ESTIMATED QUANTITIES, LEGEND, AND ABBREVIATIONS
3	PROJECT LAYOUT PLAN & CSPP
4	GATES #1 & #2 PHOTOGRAPHIC OVERVIEW
5	GATES #3 & #4 PHOTOGRAPHIC OVERVIEW
6	GATES #5 & #6 PHOTOGRAPHIC OVERVIEW
7	GATES #7 & #8 PHOTOGRAPHIC OVERVIEW
8	GATES #9 & #10 PHOTOGRAPHIC OVERVIEW
9	GATE #10A PHOTOGRAPHIC OVERVIEW
10	GATE DETAILS
11	GATE & FENCE DETAILS
E01	LEGEND & DETAILS
E02	GATES #1, #2, #3, & #4
E03	GATES #6, #7, & #8
E04	GATES #10, & #10A, DETAILS
E05	CONTROL BUILDING FLOOR PLAN, PANEL SCHEDULE, DETAIL
E06	SINGLE LINE DIAGRAMS AND DETAILS
E07	KEY PLAN AND DETAILS

The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

Cody Salas

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

F-0101 CHAIN LINK FENCE
F-0102 CHAIN LINK FENCE GATE



VICINITY MAP

AS-BUILT PLANS

Initials: *AS* Date: 6/25/18

Contractor: Build Alaska General Contracting

Date Started: 4/4/18

Date Completed: 6/15/18

Project Engineer* (printed): Marky Myers

Project Engineer* (signature): *Marky Myers*

*I certify that revisions to these plans made during construction are noted in RED and therefore the plans are an accurate record of construction.

USE THESE PLANS IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

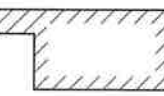
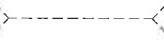
APPROVED: *Pat Carroll* 7-18-17
REGIONAL PRECONSTRUCTION ENGINEER DATE
L. PAT CARROLL, P.E.

CONCUR: *Michael J. Coffey* 7-18-17
REGIONAL DIRECTOR FOR DATE
MICHAEL J. COFFEY

FILE: J:\projects\1825... -S: Eng Term SIT AKN Perimeter Fencing and Gate Upgrades (Civil) (MAD) (SIT) 1825-10-ESTIMATED QUANTITIES, LEGEND, AND ABBREVIATIONS.dwg 7/11/2017 16:19 QUANTITIES & LEGEND DESIGNED: MIM CHECKED: EUG DRAFTED: RLC

ESTIMATED QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
F-162a	(8 FOOT) CHAIN-LINK FENCE	LINEAR FOOT	20 17.75
F-170a	STEEL BOLLARD	EACH	20
F-172a(1)	ELECTRONIC VEHICLE GATE, [GATE 2]	EACH	1
F-172a(2)	ELECTRONIC VEHICLE GATE, [GATE 3]	EACH	1
F-172a(3)	ELECTRONIC VEHICLE GATE, [GATE 7]	EACH	1
F-172a(4)	ELECTRONIC VEHICLE GATE, [GATE 10]	EACH	1
F-172b	ELECTRONIC PEDESTRIAN GATE	EACH	5
F-172c	ACCESS CONTROL SYSTEM	LUMP SUM	ALL REQ'D
G-100a	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
G-115a	WORKERS MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
G-701a	AIRPORT SECURITY	LUMP SUM	ALL REQ'D
G-710a	HIGHWAY TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
P-157c	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
P-661a	STANDARD SIGN	SQUARE FOOT	40
P-670a	HAZARD MARKER BARRIER, [PLASTIC]	EACH	15
U-700a	UTILITY CROSSING LOCATES	LUMP SUM	ALL REQ'D

LEGEND / SYMBOLS

	EXISTING	PROPOSED
UNDERGROUND ELECTRIC CABLE	--- UCE ---	--- UCE ---
OVERHEAD ELECTRIC LINE	--- OHE ---	--- OHE ---
ROADWAY/PAVEMENT EDGE	---	---
FENCE	- x - x - x -	- x - x - x -
TREE LINE		
EXISTING BUILDINGS		
POST OR BOLLARD	•	⊗
LOAD CENTER	⊗	⊗
RADIO GATE COMMUNICATION		--- RADIO ---
HAUL ROUTE		• • • •
CULVERT		
UTILITY POLE	•	
CONCRETE		
ASPHALT CONCRETE		
GRAVEL		
VEGETATION		

ABBREVIATIONS

&	AND
AC	ASPHALT CONCRETE
AIP	AIRPORT IMPROVEMENT PROGRAM
AOA	AIRPORT OPERATIONS AREA
APPROX	APPROXIMATE/APPROXIMATELY
ARFF	AIRPORT RESCUE AND FIREFIGHTING
BC	BARE COPPER
BMPs	BEST MANAGEMENT PRACTICES
C	CONDUIT
CB	CIRCUIT BREAKER
CL	CENTERLINE
CABC	CRUSHED AGGREGATE BASE COURSE
CSP	CORRUGATED STEEL PIPE
CSPP	CONSTRUCTION SAFETY PHASING PLAN
COMM	COMMUNICATION
CTRL	CONTROL
CY	CUBIC YARD
DIA	DIAMETER
DOT	DEPARTMENT OF TRANSPORTATION
E	EASTING
ELEV	ELEVATION
EMT	ELECTRIC METALLIC TUBING
ESCP	EROSION AND SEDIMENT CONTROL PLAN
EXST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FOD	FOREIGN OBJECT DEBRIS
GCP	GENERAL CONTRACT PROVISIONS
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
IE	INVERT ELEVATION
LF	LINEAR FOOT
LS	LUMP SUM
LT	LEFT
MIN	MINIMUM
MAX	MAXIMUM
N	NORTHING
NOTAM	NOTICE TO AIRMEN
NTP	NOTICE TO PROCEED
OC	ON CENTER
OD	OUTER DIAMETER
OFA	OBJECT FREE AREA
OFS	OFFSET
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PR	PAIR
PWR	POWER
R	RADIUS
REQ'D	REQUIRED
RMC	RIGID METALLIC CONDUIT (GALVANIZED STEEL)
RP	RADIUS POINT
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
SHLD	SHIELDED
SIDA	SECURITY IDENTIFICATION DISPLAY AREA
SPCD	SAFETY PLAN COMPLIANCE DOCUMENT
SREB	SNOW REMOVAL EQUIPMENT BUILDING
SS	STAINLESS STEEL
SY	SQUARE YARD
TL	TAXILANE
TSA	TAXIWAY SAFETY AREA/TRANSPORTATION SECURITY ADMINISTRATION
TOFA	TAXIWAY OBJECT FREE AREA
TW	TAXIWAY
TYP	TYPICAL

AS-BUILT PLANS

INITIALS an DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907)522-1707
CERT. OF AUTH. NO. AECCH



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

ESTIMATED QUANTITIES,
LEGEND, AND ABBREVIATIONS

FILE: P:\Projects\1803... -E- Eng. Term. ST. AKN. Perimeter Fencing and Gate Upgrades (Civil) (AEC) 9/11/2017 10:00-Project Layout Plan.dwg

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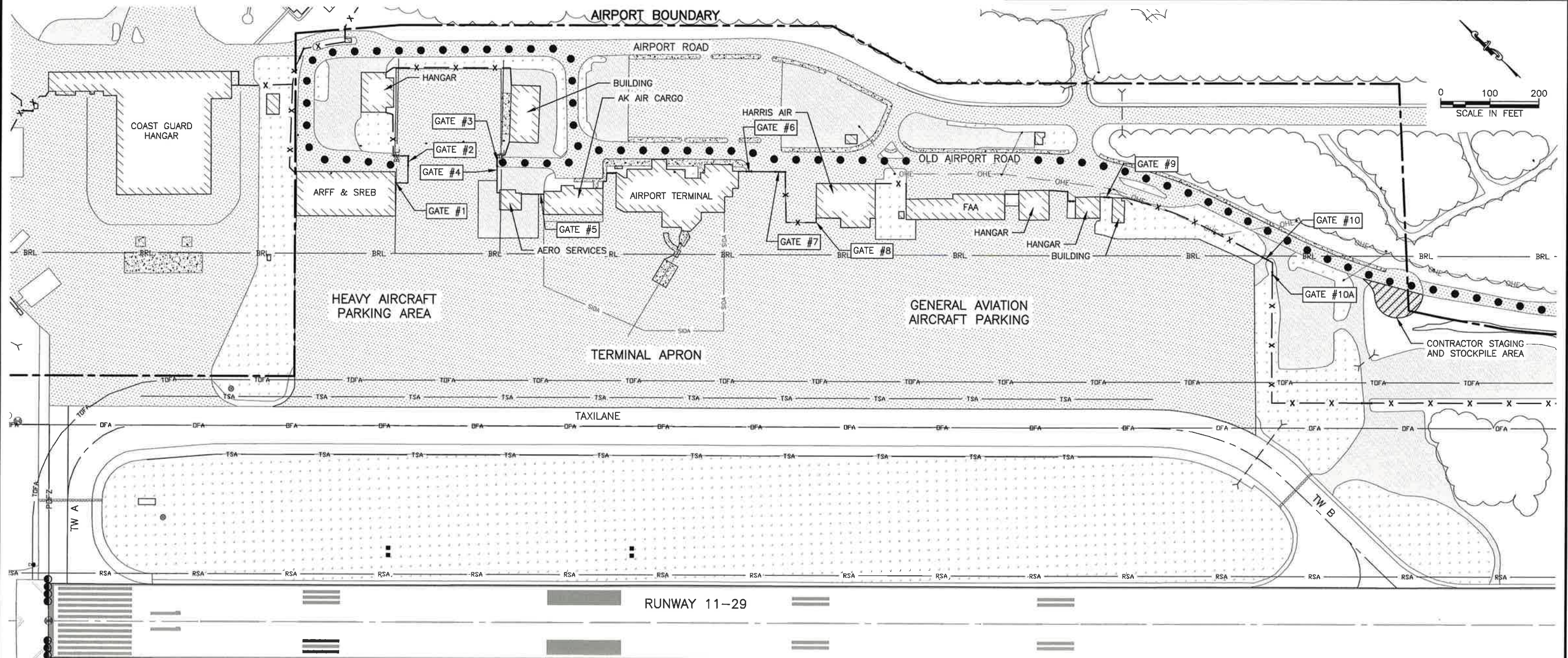
CHECKED EIG

DESIGNED MIM

LAYOUT LAYOUT PLAN

DATE 7/10/2017 16:02

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	3	18



PROJECT WORK ITEMS:

1. REPLACE EXISTING VEHICLE GATES WITH AUTOMATIC PIVOT GATES.
2. REPLACE EXISTING PEDESTRIAN GATES AND UPGRADE WITH ELECTRIC LOCKING SYSTEM.
3. REMOVE SELECT GATES AND FENCE OPENING.
4. INSTALL GATE ACCESS CONTROL AND MONITORING SYSTEM.

GENERAL NOTES:

1. NOT ALL EXISTING UTILITIES MAY BE SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND PROTECTING NEW AND EXISTING UTILITIES DURING CONSTRUCTION. SEE SPECIFICATION U-700, UTILITY CROSSINGS. NOTIFY THE ENGINEER OF ANY LOCATED UTILITY THAT CONFLICTS WITH THE PROPOSED WORK.
2. STAKE FENCE AND GATE LOCATIONS AND OBTAIN THE ENGINEER'S APPROVAL BEFORE BEGINNING INSTALLATION. ADJUSTMENTS MAY BE REQUIRED. FIELD CONFIRM NEW GATE DIMENSIONS PRIOR TO ORDERING PARTS.

CSPP NOTES:

1. REFER TO THE GCP SECTION 80 OF THE SPECIFICATIONS FOR LIMITATIONS AND OPERATIONAL SAFETY CONCERNS.
2. SUBMIT A SPCD TO THE ENGINEER FOR REVIEW PER FAA AC 150/5370-2F. DO NOT BEGIN CONSTRUCTION ACTIVITIES UNTIL THE ENGINEER APPROVES THE SPCD IN WRITING. ALLOW 30 DAYS FOR REVIEW. IF PLAN DIFFERS FROM WHAT IS SHOWN OR IF SUBSEQUENT CHANGES ARE MADE, SUBMIT A REVISION TO THE ENGINEER FOR REVIEW AND APPROVAL. ALLOW 10 DAYS FOR REVIEW OF REVISED SAFETY AND SEQUENCING PLANS.
3. WHENEVER THE PLANS OR SPECIFICATIONS CALL FOR COORDINATION, NOTIFICATION, CONTACT, OR OTHER INTERACTION WITH FAA, AIRPORT MANAGEMENT, MAINTENANCE AND OPERATIONS, ARFF PERSONNEL, AIRPORT TENANTS, AIRPORT USERS, ANY LOCAL, STATE, OR FEDERAL AGENCY, GROUP, OR ASSOCIATION, OR THE GENERAL PUBLIC, SUCH ACTIVITY SHALL BE DONE THROUGH, IN THE PRESENCE OF, OR WITH THE WRITTEN APPROVAL OF THE ENGINEER. ALLOW SUFFICIENT TIME FOR COORDINATION AND APPROVALS WITHIN PROPOSED WORK SCHEDULES.
4. THE CONTRACTOR MUST REPORT ANY SAFETY ISSUES TO THE ENGINEER AND AIRPORT MANAGER UPON DISCOVERY. THE CONTRACTOR MUST TAKE IMMEDIATE ACTION TO RESOLVE SAFETY ISSUES AS DIRECTED.
5. CONTRACTOR'S ACCESS TO THE AIRPORT IS LIMITED TO 20 FEET BEYOND CONSTRUCTION LIMITS INSIDE THE SECURITY FENCE. EQUIPMENT WILL NOT BE ALLOWED OUTSIDE THE FOOTPRINT OF THE PROJECT EXCEPT AS APPROVED BY THE ENGINEER. EQUIPMENT WILL ONLY BE PERMITTED INSIDE THE AOA AS APPROVED BY THE AIRPORT MANAGER THROUGH THE ENGINEER. NO CONSTRUCTION ACTIVITY, EQUIPMENT OR MATERIAL STOCKPILES ARE ALLOWED WITHIN CRITICAL AREAS, THE RSA, RUNWAY OFA, TSA, OR TOFA. KEEP AIRSPACE SURFACES CLEAR OF OBSTRUCTIONS. CONTRACTOR MUST STAY OUT OF SIDA AT ALL TIMES.
6. ARFF AND EMERGENCY RESPONSE VEHICLES MUST HAVE ACCESS TO THE ENTIRE AIRPORT DURING EMERGENCIES. MAINTAIN SUITABLE CORRIDORS AND COORDINATE ACCESS WITH ARFF PERSONNEL THROUGH THE ENGINEER.
7. MAINTAIN PERIMETER CONTROL OF THE AIRPORT AT ALL TIMES. GATES ARE TO BE SECURED AT ALL TIMES WITH A CLOSED/LOCKED GATE, GATE GUARD, OR TEMPORARY FENCE. PROVIDE A DEDICATED GATE GUARD IF ANY GATE REMAINS OPEN DURING CONSTRUCTION ACTIVITY. SECURE FENCE BREACHES WITH TEMPORARY FENCING OUTSIDE OF DAILY CONSTRUCTION ACTIVITIES. GATE GUARDS AND TEMPORARY FENCING ARE PAID FOR BY ITEM G-701c AIRPORT SECURITY.
8. PLACE HAZARD MARKER BARRIERS AROUND THE CONSTRUCTION AREA WITHIN THE AOA. ANY TRENCH EXCAVATION OR OTHER SAFETY HAZARDS MUST BE ENCAPSULATED BY HAZARD MARKER BARRIERS. ALTERNATE BETWEEN ORANGE AND WHITE BARRIERS AND PLACE

- NO MORE THAN 8 FEET APART. EQUIP WITH FLAG AND FLASHER UNIT. RELOCATE BARRIERS AS DIRECTED BY THE ENGINEER.
9. PROVIDE WEEKLY NOTIFICATIONS AND COORDINATION OF CONSTRUCTION ACTIVITIES THROUGH THE ENGINEER, VIA EMAIL UPDATES AND PROGRESS MEETINGS WITH AIRPORT MANAGEMENT, AIRPORT MAINTENANCE, AND ARFF PERSONNEL, AND ANY OTHER TO THE CONTACTS LISTED IN THE SPECIFICATIONS.
10. HAUL ROUTES AND STAGING/STOCKPILE AREAS AS SHOWN MUST BE APPROVED BY THE ENGINEER. OBEY POSTED SPEED LIMITS ON THE HAUL ROUTES. THE SPEED LIMIT ON THE AOA IS 15 MPH. TAXING AIRCRAFT HAVE THE RIGHT OF WAY. KEEP ALL ACTIVE HAUL ROUTES AND AIRPORT SURFACES CLEAN OF MATERIAL. REMOVE SPILLED OR TRACKED MATERIALS IMMEDIATELY TO AVOID VEHICLE ACCIDENTS OR AIRCRAFT DAMAGE. REPAIR ANY HAUL ROUTE DAMAGE TO PRECONSTRUCTION CONDITIONS. REMOVE ALL FOD IMMEDIATELY UPON DISCOVERY OR NOTIFICATION.
11. GENERALLY, WORK ON ONE GATE AT A TIME, EXCEPT AS APPROVED BY THE ENGINEER. DO NOT BLOCK ACCESS TO GATES 3 AND 2 CONCURRENTLY. COORDINATE WITH HARRIS AIR FOR WORK ON GATE 8 AND TRENCHING THROUGH THEIR PARKING AREA. LIMIT GATE OBSTRUCTION TO 48 HOURS FOR PEDESTRIAN GATE 8. LIMIT TRENCHING IN ACTIVE PARKING AREAS TO 48 HOURS. CONTACT AIRPORT M&O FOR ACCESS TO THE CONTROL BUILDING.

AS-BUILT PLANS

INITIALS *pm* DATE *6/25/18*

CALL BEFORE YOU DIG

The Contractor shall notify all area utility companies prior to commencement of excavation.
Alaska Digline, Inc.
Statewide Toll Free 1-800-478-3121

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907)522-1707
CERT. OF AUTH. NO. AEC011



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER FENCING & GATE UPGRADES

PROJECT LAYOUT PLAN & CSPP

FILE J:\Projects\1825\1825-10-Fence Plans.dwg J. Eng. Term SIT AKN Perimeter Fencing and Gate Upgrades\Civil\ACU\ST\1825-10-Fence Plans.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	4	18

✓ REMOVE & DISPOSE OF "EXIT HERE" WOOD SIGN. REMOVE & REINSTALL "AIRPORT RESTRICTED AREA" SIGN. REMOVE AND REINSTALL "NO SMOKING" SIGN.



1
4
GATE 1

GATE OVERVIEW:

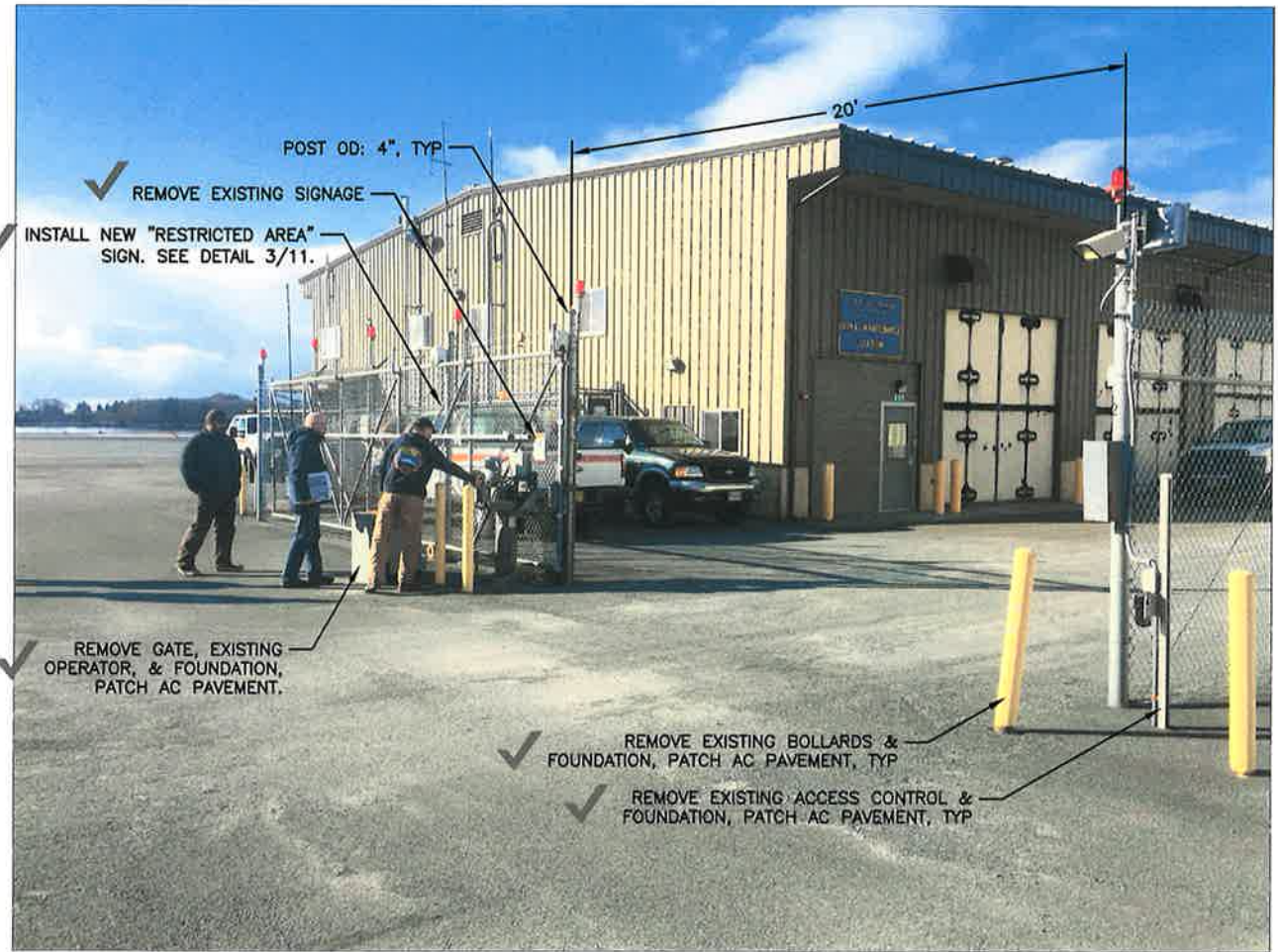
1. REMOVE AND REPLACE PEDESTRIAN GATE WITH NEW GATE AND ELECTRONIC LOCKING SYSTEM. SEE DETAIL 2/11 AND ELECTRICAL.

✓ REMOVE EXISTING ANGLE BRACING & BARBED WIRE. INSTALL NEW BARBED WIRE ON NEW GATE AS SHOWN IN DETAIL 2/11.

POST OD: 2 7/8", TYP

✓ REMOVE EXISTING BRACING & REPLACE WITH 1 1/4"Ø HORIZONTAL & DIAGONAL BRACE RAIL, 3/8"Ø TRUSS ROD & TIGHTENER. INSTALL STAINLESS STEEL TURNBUCKEL & TIGHTEN 7 GAUGE TENSION WIRE, TOP & BOTTOM. SEE DETAILS 1/11 & 2/11 & DOT STANDARD DRAWING F-01.03 CHAIN LINK FENCE.

3'-6"



2
4
GATE 2

GATE OVERVIEW:

1. REMOVE EXISTING AUTOMATIC SLIDING VEHICLE GATE AND ALL ASSOCIATED APPURTENANCES NOT BEING REUSED.
2. INSTALL NEW 20' AUTOMATIC PIVOT VEHICLE GATE AND ASSOCIATED IMPROVEMENTS. SEE DETAIL 1/10 AND ELECTRICAL.
3. REMOVE FEATURES ASSOCIATED WITH EXISTING GATE INCLUDING: BOLLARDS, GATE OPERATOR, ACCESS CONTROLS. REMOVE FOUNDATIONS AND PATCH ALL HOLES IN AC PAVEMENT REMAINING AFTER NEW GATE IS INSTALLED.

POST OD: 4", TYP

✓ REMOVE EXISTING SIGNAGE
✓ INSTALL NEW "RESTRICTED AREA" SIGN. SEE DETAIL 3/11.

✓ REMOVE GATE, EXISTING OPERATOR, & FOUNDATION, PATCH AC PAVEMENT.

✓ REMOVE EXISTING BOLLARDS & FOUNDATION, PATCH AC PAVEMENT, TYP

✓ REMOVE EXISTING ACCESS CONTROL & FOUNDATION, PATCH AC PAVEMENT, TYP

AS-BUILT PLANS

INITIALS AM DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907)522-1707
CERT. OF AUTH. NO. AEC001



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
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6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATES #1 & #2
PHOTOGRAPHIC OVERVIEW

FILE E:\projects\1823 J. Eng Term ST AKN Perimeter Fencing and Gate Upgrades (Civil) (MCD) (2) (1823) 10-Fence Plans.dwg 7/5/2017 11:08 LAYOUT GATE 3&4 CHECKED EJC DESIGNED MIM RAFTED RLC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	5	18



1
5 GATE 3

- GATE OVERVIEW:
1. REMOVE EXISTING SWING GATE.
 2. INSTALL NEW 17' AUTOMATIC PIVOT VEHICLE GATE AND ASSOCIATED IMPROVEMENTS. SEE DETAIL 1/10 AND ELECTRICAL.

- ✓ REMOVE & REPLACE BOTH 4"Ø TERMINAL POSTS. SEE NOTE 2.
- ✓ REMOVE COUNTER WEIGHT SYSTEM
- ✓ REMOVE & DISPOSE OF EXISTING SIGNS & PLACARDS
- ✓ REMOVE & DISPOSE OF EXISTING COMBINATION BOX
- ✓ REMOVE & INSTALL NEW "RESTRICTED AREA" SIGN. SEE DETAIL 3/11.



2
5 GATE 4

- GATE OVERVIEW:
1. REMOVE AND REPLACE PEDESTRIAN GATE WITH NEW GATE AND ELECTRONIC LOCKING SYSTEM. SEE DETAIL 2/11 AND ELECTRICAL.
 2. REMOVE EXISTING GATE TERMINAL POSTS AND FOUNDATIONS. INSTALL NEW POST AND FOUNDATION. ADJACENT FENCE PANELS TO NEW TERMINAL POSTS MUST CONFORM TO DETAIL 1/11 AND DOT STANDARD DRAWING F-01.03 CHAIN LINK FENCE. REPLACE OR REUSE FENCE MESH AND BARBED WIRE AS DIRECTED BY THE ENGINEER AND ATTACH TO NEW POST WITH STRETCHER BAR AND BANDS. TIGHTEN TOP AND BOTTOM TENSION WIRES AND INSTALL TURNBUCKLES. INSTALL HORIZONTAL AND DIAGONAL BRACE RAIL AND TRUSS ROD. MARK POST WITH GATE NUMBER SIMILAR TO EXISTING.

AS-BUILT PLANS

INITIALS *RM* DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
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ANCHORAGE, AK 99507
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CERT. OF AUTH. NO. AEC0011

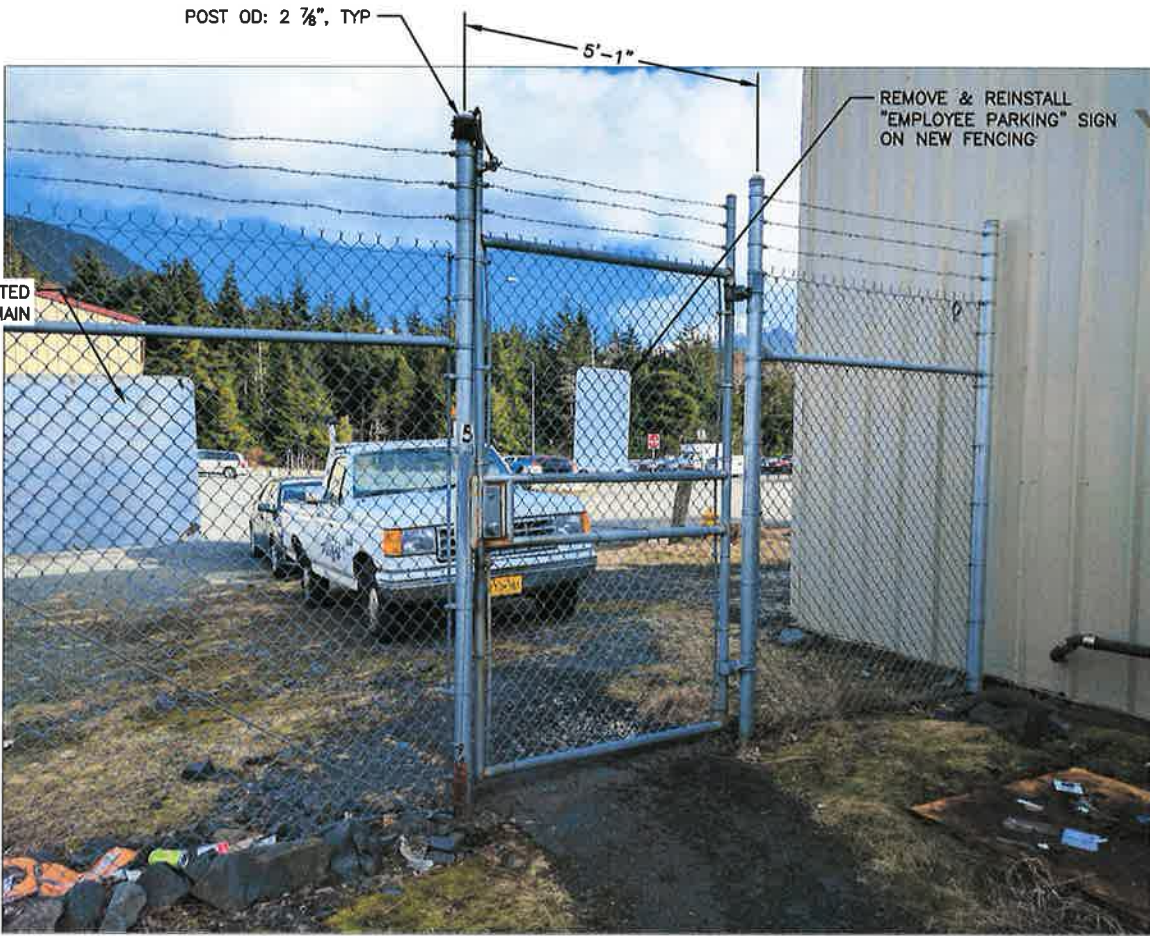
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AND PUBLIC FACILITIES
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(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATES #3 & #4
PHOTOGRAPHIC OVERVIEW

FILE PROJECT 1825 J. Eng. Term SIT A&M Perimeter Fencing and Gate Upgrades (Civil) (A&M) (SIT) 1825 10-Fence Plans.dwg 7/5/2017 11:08 LAYOUT GATE 5&6 5&6 CHECKED E/JG DRAFTED RLC

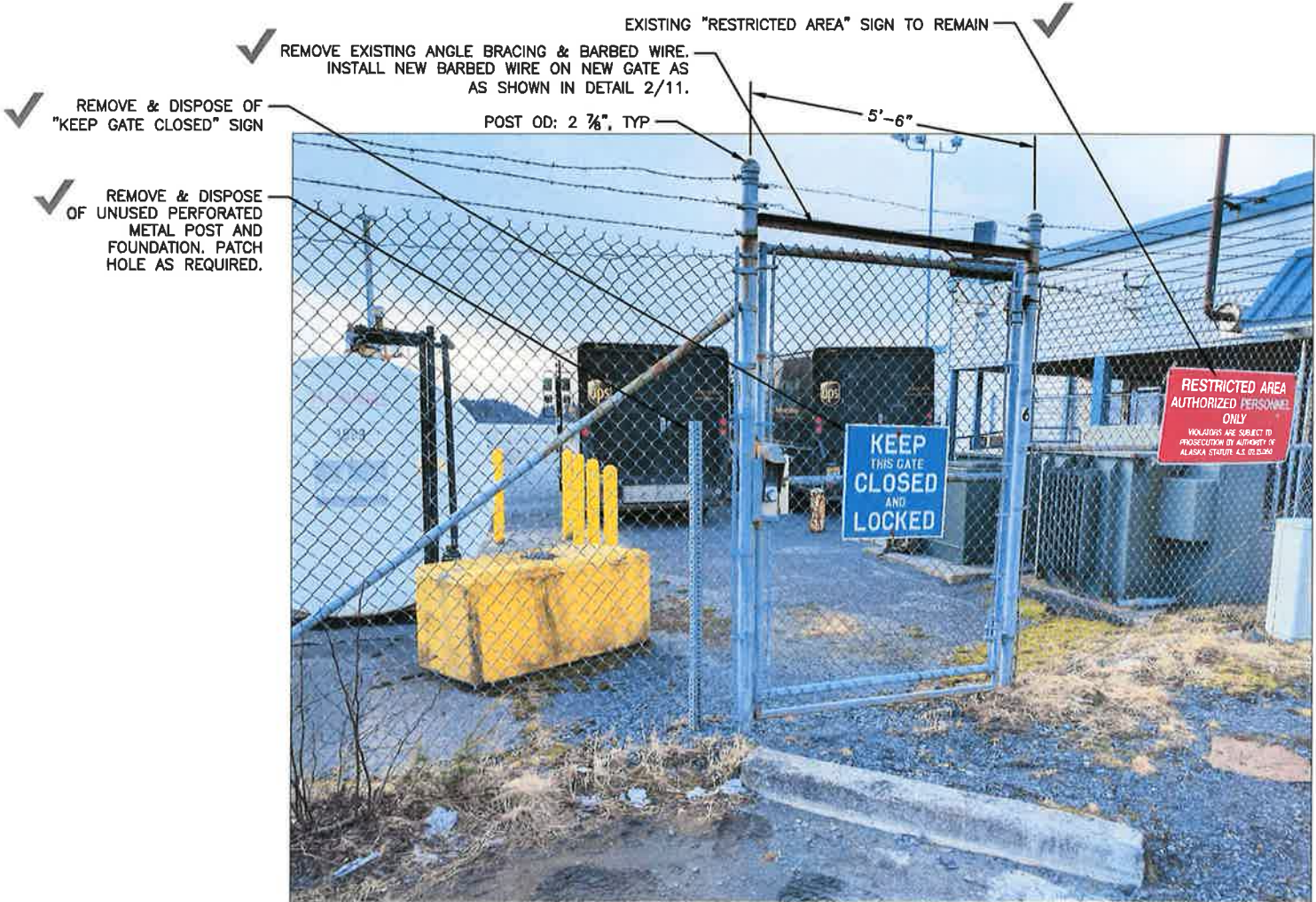
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	6	18



1
6 GATE 5

GATE OVERVIEW:

1. REMOVE EXISTING PEDESTRIAN GATE.
2. CLOSE OPENING WITH NEW FENCING. SEE DETAIL 1/11. INSTALL NEW FENCE MESH AND BARBED WIRE IN GATE OPENING. SECURE TO EXISTING POSTS WITH STRETCHER BAR AND BANDS. USE TENSION WIRE ON TOP AND BOTTOM. INSTALL HORIZONTAL BRACE RAIL THROUGH PORTION OF NEW FENCE. ADDITIONAL BRACING OR TURNBUCKLES NOT REQUIRED ON NEW FENCE OR ADJACENT FENCE PANELS.



2
6 GATE 6

GATE OVERVIEW:

1. REMOVE AND REPLACE PEDESTRIAN GATE WITH NEW GATE AND ELECTRONIC LOCKING SYSTEM. SEE DETAIL 2/11 AND ELECTRICAL.

AS-BUILT PLANS

INITIALS an DATE 6/25/18

PLANS DEVELOPED BY:
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SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATES #5 & #6
PHOTOGRAPHIC OVERVIEW

FILE 7/5/2017 11:08 LAYOUT GATE 7&8 MIM CHECKED E/G DRAFTED RLC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	7	18

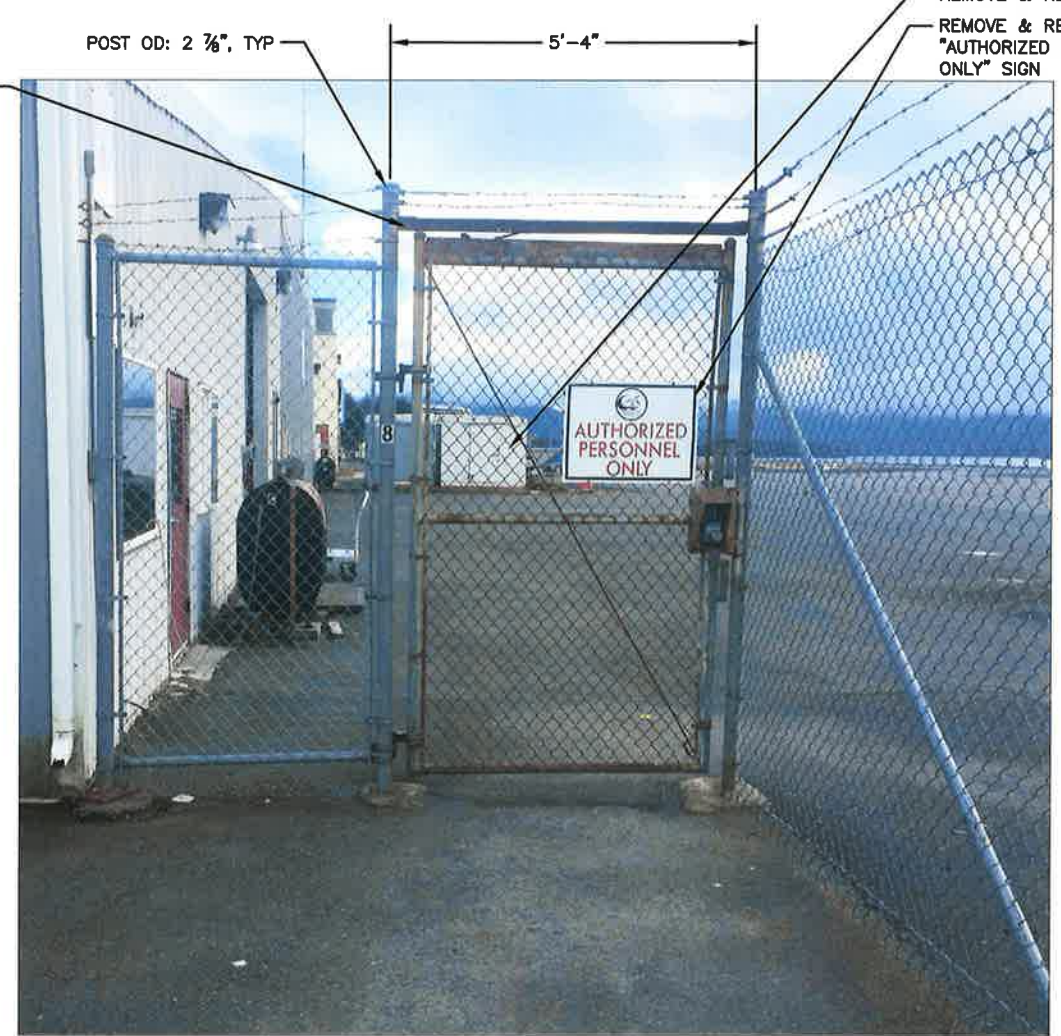


1 GATE 7
7

GATE OVERVIEW:

1. REMOVE EXISTING SWING GATE.
2. INSTALL NEW 20' AUTOMATIC PIVOT VEHICLE GATE AND ASSOCIATED IMPROVEMENTS. SEE DETAIL 1/10 AND ELECTRICAL.

✓ REMOVE EXISTING ANGLE BRACING & BARBED WIRE. INSTALL NEW BARBED WIRE ON NEW GATE AS SHOWN IN DETAIL 2/11.



2 GATE 8
7

GATE OVERVIEW:

1. REMOVE AND REPLACE PEDESTRIAN GATE WITH NEW GATE AND ELECTRONIC LOCKING SYSTEM. SEE DETAIL 2/11 AND ELECTRICAL.

AS-BUILT PLANS

INITIALS R DATE 6/25/18

PLANS DEVELOPED BY: R&M CONSULTANTS, INC. 9101 VANGUARD DR ANCHORAGE, AK 99507 (907)522-1707 CERT. OF AUTH. NO. AECCH		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 6860 GLACIER HIGHWAY, JUNEAU, AK 99801 (907) 465-1763 SITKA AIRPORT PERIMETER FENCING & GATE UPGRADES GATES #7 & #8 PHOTOGRAPHIC OVERVIEW
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FILE 2: Project 1825 3: Eng Term ST AKN Perimeter Fencing and Gate Upgrades 4: Job MCD/SIT 1825 10: Fence Plans.dwg 5: 7/5/2017 11:08 6: LAYOUT 7: CATE 9&10 8: DESIGNED 9: MIM 10: CHECKED 11: EUG 12: DRAFTED 13: RLC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	8	18



1
8 GATE 9

GATE OVERVIEW:

1. REMOVE EXISTING PEDESTRIAN GATE.
2. CLOSE OPENING WITH NEW FENCING. SEE DETAIL 1/11. INSTALL NEW FENCE MESH AND BARBED WIRE IN GATE OPENING. SECURE TO EXISTING POSTS WITH STRETCHER BAR AND BANDS. USE TENSION WIRE ON TOP AND BOTTOM. INSTALL HORIZONTAL BRACE RAIL THROUGH PORTION OF NEW FENCE. ADDITIONAL BRACING OR TURNBUCKLES NOT REQUIRED ON NEW FENCE OR ADJACENT FENCE PANELS.



2
8 GATE 10

GATE OVERVIEW:

1. REMOVE EXISTING SWING GATE.
2. INSTALL NEW 13' AUTOMATIC VEHICLE GATE AND ASSOCIATED IMPROVEMENTS. SEE DETAIL 1/10 AND ELECTRICAL.

AS-BUILT PLANS

INITIALS an DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907)522-1707
CERT. OF AUTH. NO. AECCH



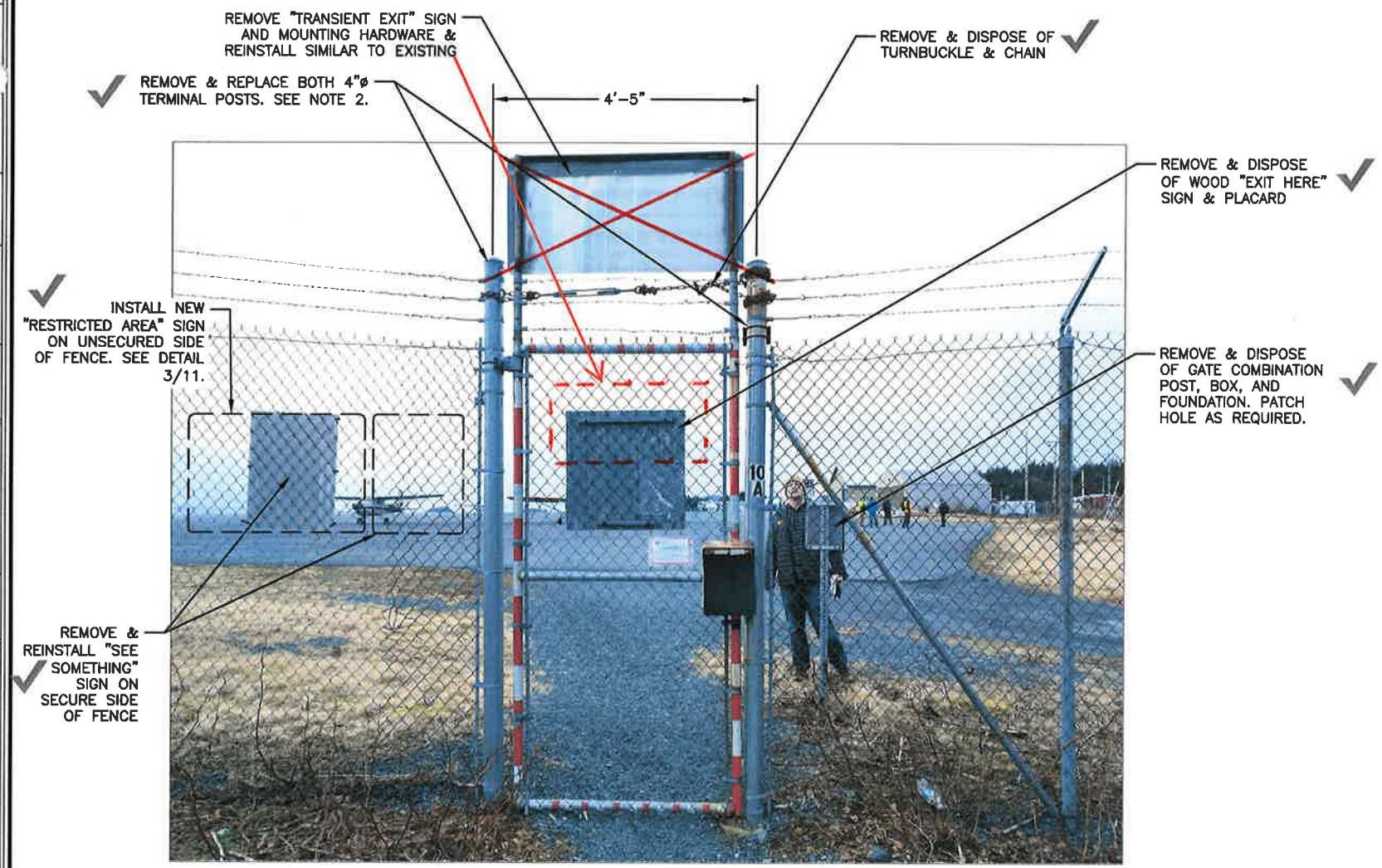
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATES #9 & #10
PHOTOGRAPHIC OVERVIEW

FILE: P:\project\1825\1825-10-Perimeter Fencing and Gate Upgrades\Civil\ACAD\DWG\1825-10-Fence Plans.dwg
E:\eng\term\1825\1825-10-Perimeter Fencing and Gate Upgrades\Civil\ACAD\DWG\1825-10-Fence Plans.dwg
DATE: 7/5/2017 11:08 LAYOUT: GATE 10A DESIGNED: MIM CHECKED: EUG DRAFTED: RLC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	9	18



1
9 GATE 10A

GATE OVERVIEW:

1. REMOVE AND REPLACE PEDESTRIAN GATE WITH NEW GATE AND ELECTRONIC LOCKING SYSTEM. SEE DETAIL 2/11 AND ELECTRICAL.
2. REMOVE EXISTING GATE TERMINAL POSTS AND FOUNDATIONS. INSTALL NEW POST AND FOUNDATION. ADJACENT FENCE PANELS TO NEW TERMINAL POSTS MUST CONFORM TO DETAIL 1/11 AND DOT STANDARD DRAWING F-01.03 CHAIN LINK FENCE. REPLACE OR REUSE FENCE MESH AND BARBED WIRE AS DIRECTED BY THE ENGINEER AND ATTACH TO NEW POST WITH STRETCHER BAR AND BANDS. TIGHTEN TOP AND BOTTOM TENSION WIRES AND INSTALL TURNBUCKLES. INSTALL HORIZONTAL AND DIAGONAL BRACE RAIL AND TRUSS ROD. MARK POST WITH GATE NUMBER SIMILAR TO EXISTING.

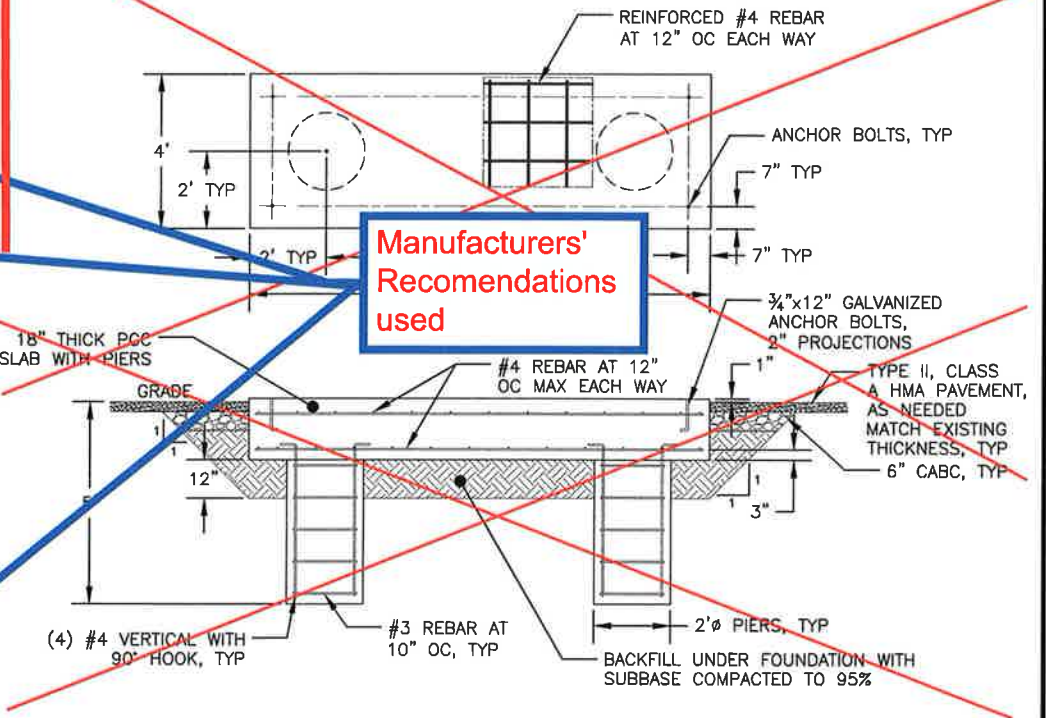
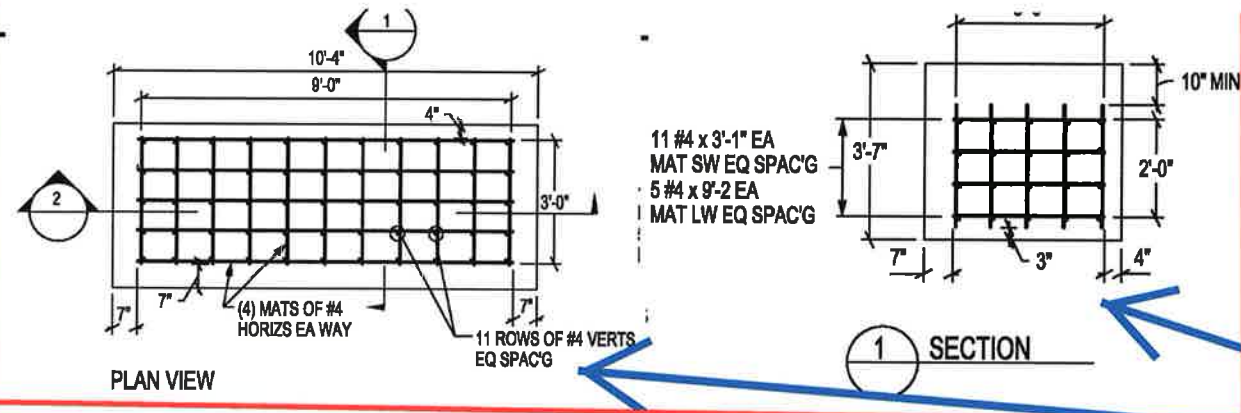
AS-BUILT PLANS

INITIALS pr DATE 6/25/18

PLANS DEVELOPED BY: R&M CONSULTANTS, INC. 9101 VANGUARD DR ANCHORAGE, AK 99507 (907)522-1707 CERT. OF AUTH. NO. AEC0311		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 6860 GLACIER HIGHWAY, JUNEAU, AK 99801 (907) 465-1763 SITKA AIRPORT PERIMETER FENCING & GATE UPGRADES GATE #10A PHOTOGRAPHIC OVERVIEW
--	--	---

FILE J:\projects\1825 J. Eng. Term ST AKN Perimeter Fencing and Gate Upgrades (Civil) (1825) 10--Fence and Gate Details.dwg 7/10/2017 16:02 LAYOUT GATE DETAILS DESIGNED MIN CHECKED EJC DRAFTED RLC

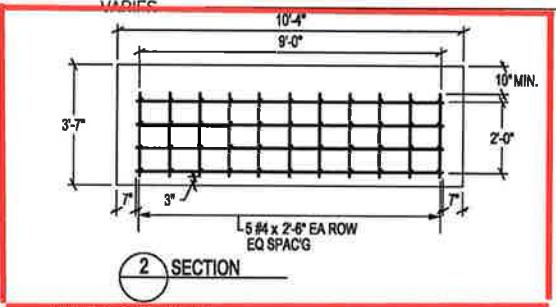
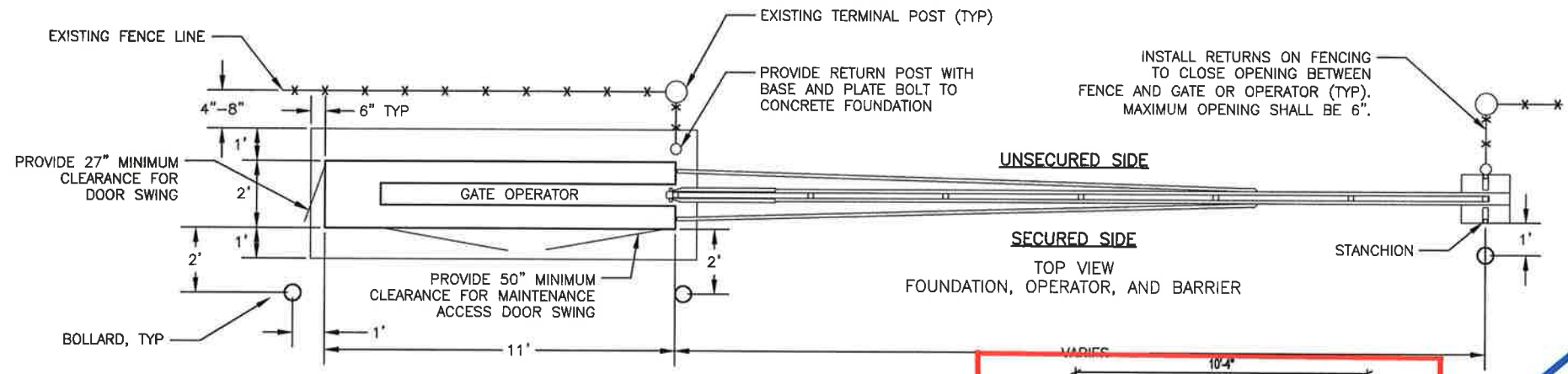
DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
		ALASKA	SFAPT00123	2017	10	18



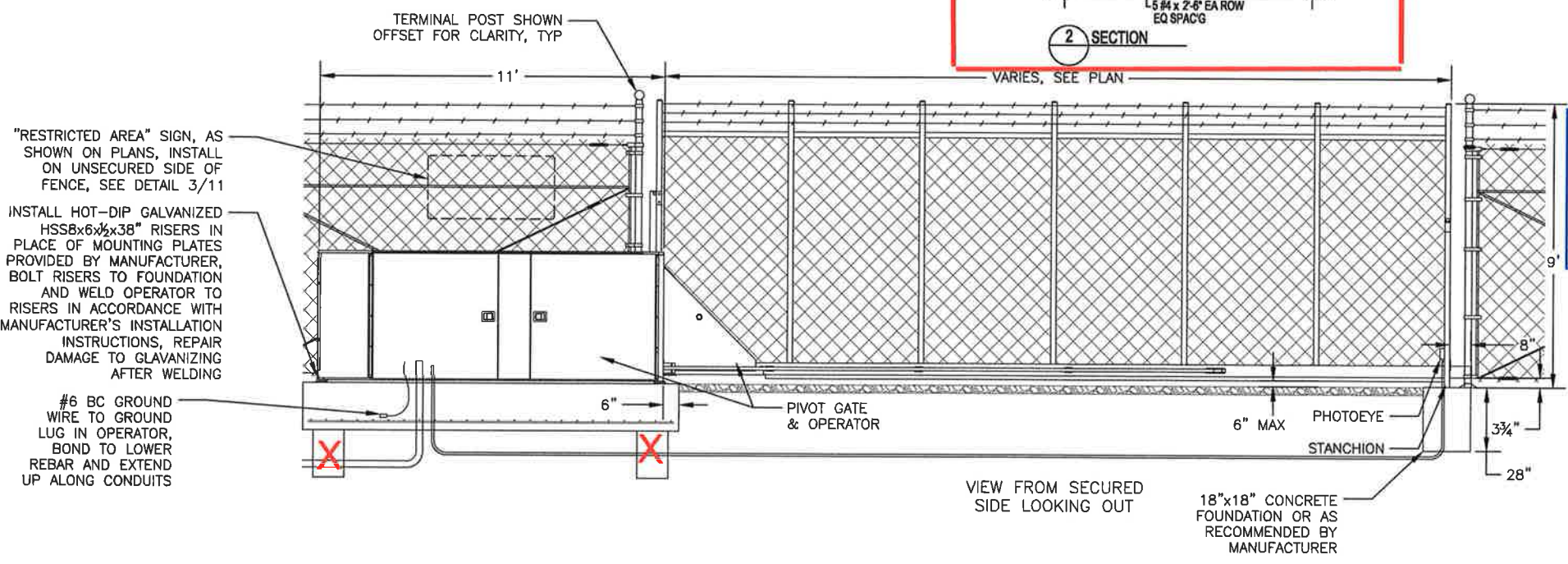
Manufacturers' Recommendations used

- NOTES:
- COORDINATE FOUNDATION DIMENSIONS AND ANCHOR BOLT PLACEMENT AND SIZE WITH MANUFACTURER'S RECOMMENDATIONS.
 - MAINTAIN 2" CONCRETE COVER OVER ALL REINFORCING STEEL, MAINTAIN 3" COVER WITH EARTH.
 - ENTIRE CONCRETE PAD MAY EXTEND TO FULL DEPTH (5') AT CONTRACTOR'S OPTION ADDITIONAL REINFORCING.

Placed at Vehicle Gate 10, Eq. Stands 1, 3, 4 & 5, Catch Posts for Gates 7 & 10

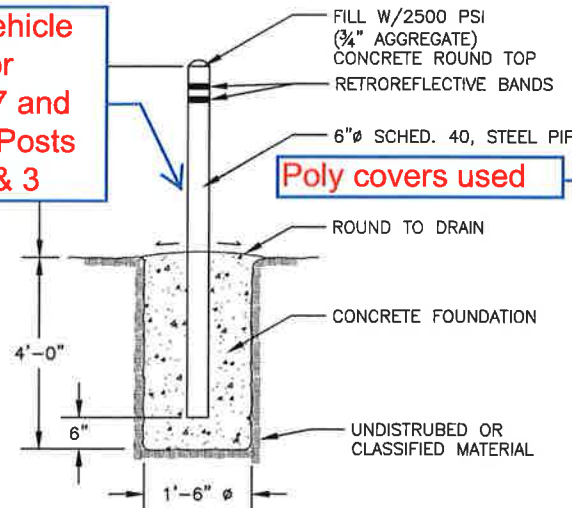


2 GATE FOUNDATION DETAIL NOT TO SCALE

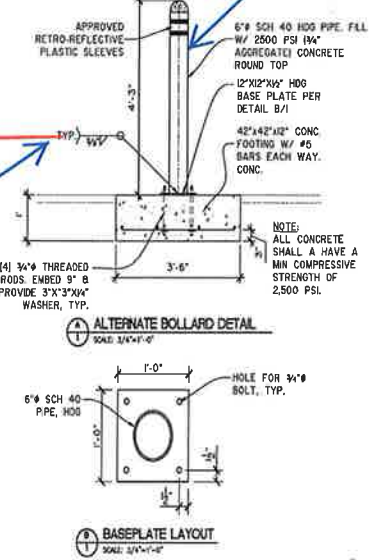


Placed at Vehicle Operators for Gates 2, 3, 7 and Gate Catch Posts for Gates 2 & 3

Poly covers used



3 BOLLARD DETAIL NOT TO SCALE



1 PIVOT GATE NOT TO SCALE

AS-BUILT PLANS

INITIALS *an* DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AEC011

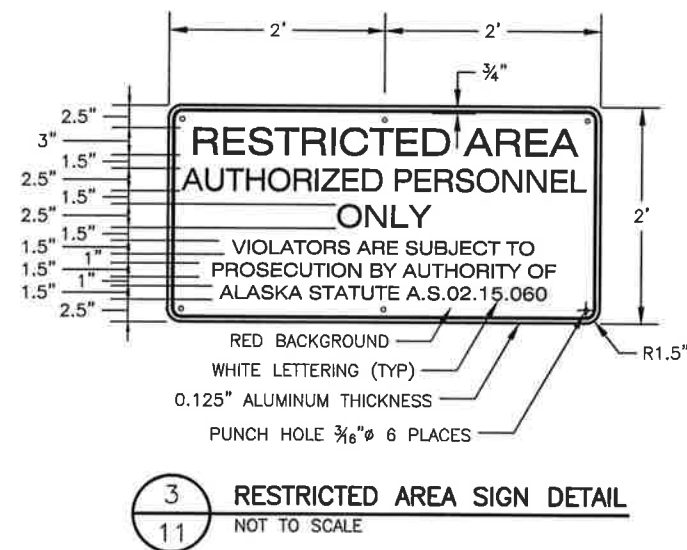
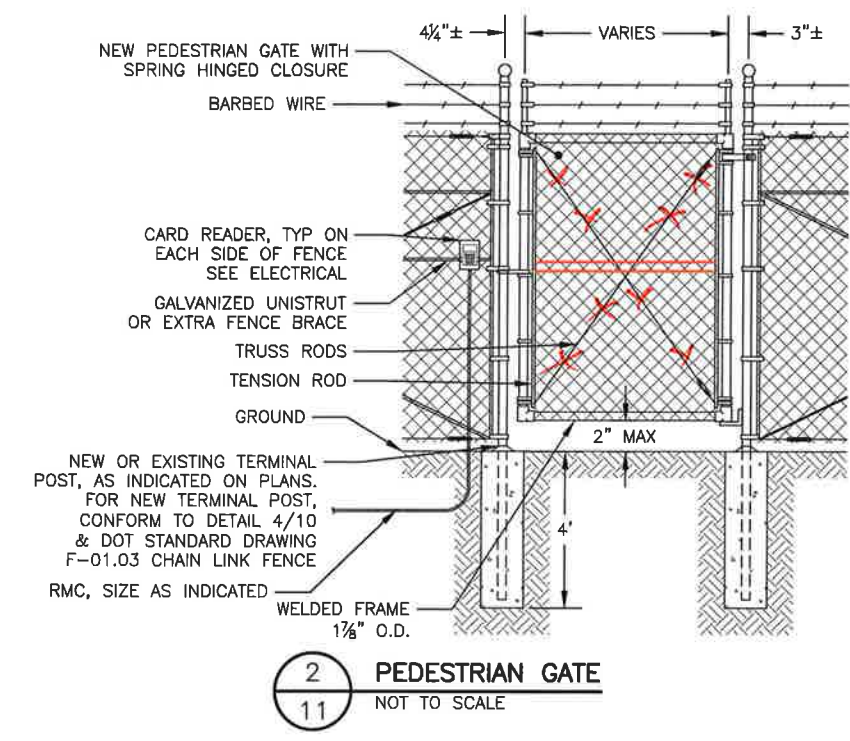
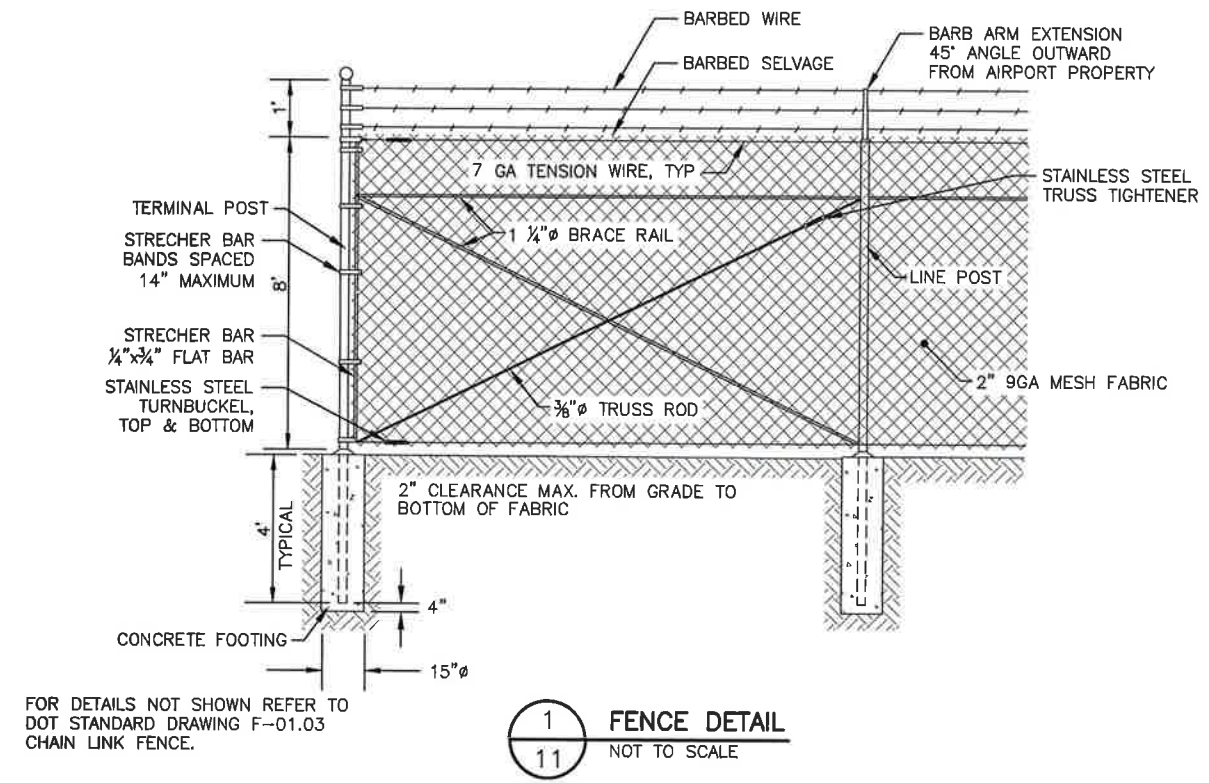
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6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATE DETAILS

FILE: E:\Project\1825... J. Eng. Term ST AKM Perimeter Fencing and Gate Upgrades\01\ACAD\ST\1825-10-Fence and Gate Details.dwg DATE: 7/10/2017 16:02 LAYOUT: FENCE DETAILS DESIGNED: MIM CHECKED: EUG DRAFTED: RLC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFAPT00123	2017	11	18



NOTE:
1. USE ALUMINUM WIRE TIES TO SECURE SIGN TO FENCE.

AS-BUILT PLANS

INITIALS MR DATE 6/25/18

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR
ANCHORAGE, AK 99507
(907)522-1707
CERT. OF AUTH. NO. AEC0311

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465-1763

SITKA AIRPORT PERIMETER
FENCING & GATE UPGRADES

GATE & FENCE DETAILS

LEGEND

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
C.O.	CONDUIT ONLY
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
GFI	GROUND FAULT INTERRUPTED
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HDG	HOT-DIPPED GALVANIZED
HOA	HAND-OFF-AUTO
LV	LOW VOLTAGE
OHE	OVERHEAD ELECTRICAL
P.C.	PERSONAL COMPUTER
PEC	PHOTOELECTRIC CELL
PVC	POLYVINYL CHLORIDE CONDUIT
RSC	RIGID STEEL CONDUIT
UGE	UNDERGROUND ELECTRICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHERPROOF
XFMR	TRANSFORMER

POWER:

	DUPLEX RECEPTACLE
	EQUIPMENT CONNECTION
	MOTOR CONNECTION
	HAND-OFF-AUTO CONTROL SWITCH

SERVICE EQUIPMENT:

	HANDHOLE
	TRANSFORMER
	PANELBOARD
	UTILITY METER
	UTILITY POLE
	RADIO ANTENNA

DIAGRAM SYMBOLS:

	CIRCUIT BREAKER
	GROUND BUS
	GROUND ROD
	METER
	TERMINAL BLOCK
	TRANSFORMER
	FUSE
	HEATER

SHEET NOTE SYMBOLS:

	EXISTING TO REMAIN
	NEW
	RELOCATE EXISTING
	REMOVE EXISTING

CONDUIT & CONDUCTORS:

----- CONDUIT IN FLOOR OR UNDERGROUND
 ~~~~~ FLEXIBLE CONDUIT

**LIGHTING:**

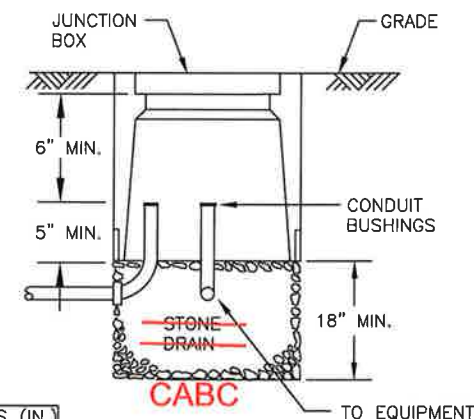
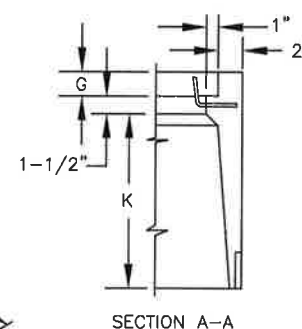
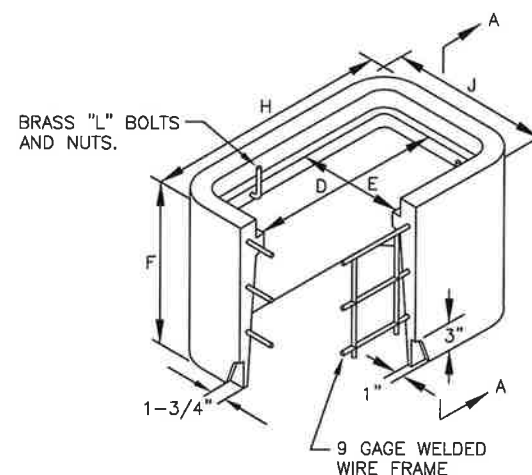
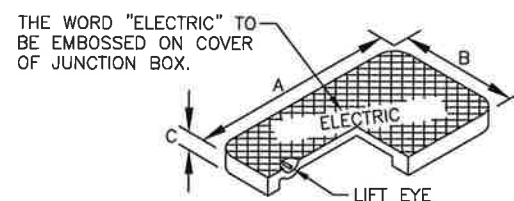
 EXTERIOR LUMINAIRE

## NETWORK DEVICES:

DATA

## SECURITY DEVICES:

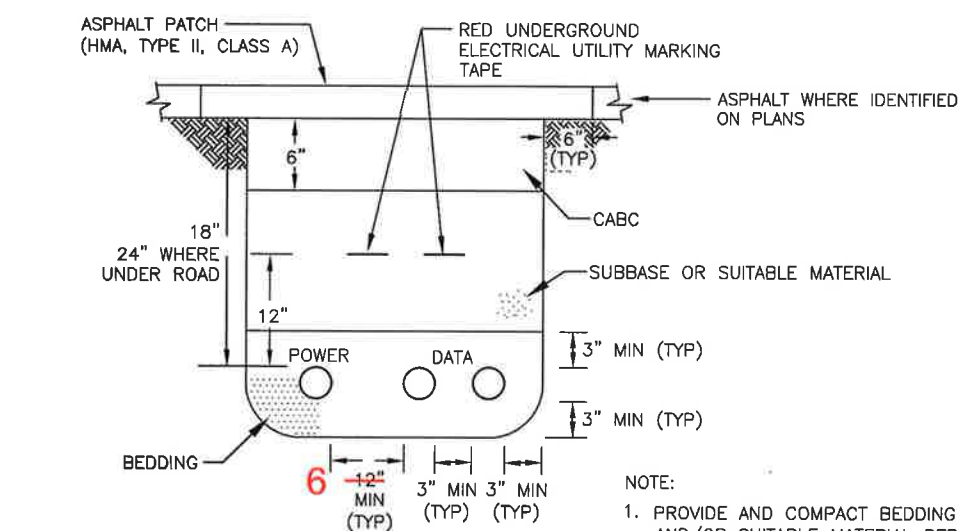
**A** ACCESS CONTROL PAD



|   | DIMENSIONS (IN.) |
|---|------------------|
|   | TYPE I-A         |
| A | 22 3/4           |
| B | 13 1/4           |
| C | 2                |
| D | 21 1/4           |
| E | 11 3/4           |
| F | 18               |
| G | 2                |
| H | 27 1/4           |
| J | 17 3/4           |
| K | 14 1/2           |

① DETAIL - HANDHOLE

NO SCALE



② DETAIL - TRENCH

NO SCALE

NOTE:

1. PROVIDE AND COMPACT BEDDING CABC, SUBBASE AND/OR SUITABLE MATERIAL PER SPECIFICATIONS.

## AS-BUILT PLANS

INITIALS Am DATE 6/25/18

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
9101 VANGUARD DR  
ANCHORAGE, AK 99507  
(907)522-1707  
CERT. OF AUTH. NO. AECCIII

HAIGHT & ASSOCIATES, INC.  
526 MAIN STREET  
JUNEAU, AK 99801  
(907)586-9788



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AND PUBLIC FACILITIES  
6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
(907) 465-1763

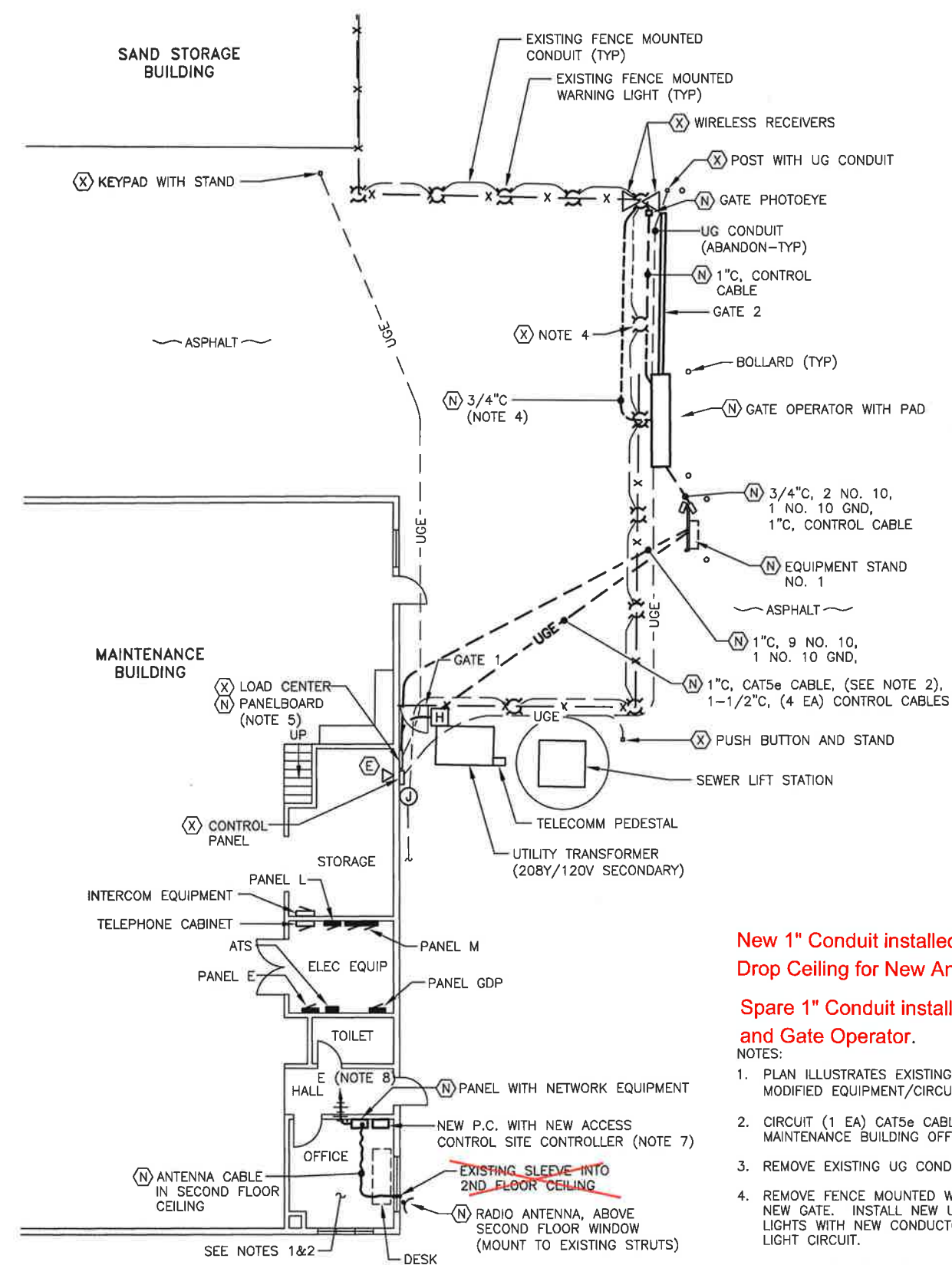
SITKA AIRPORT PERIMETER  
FENCING & GATE UPGRADES

LEGEND & DETAILS

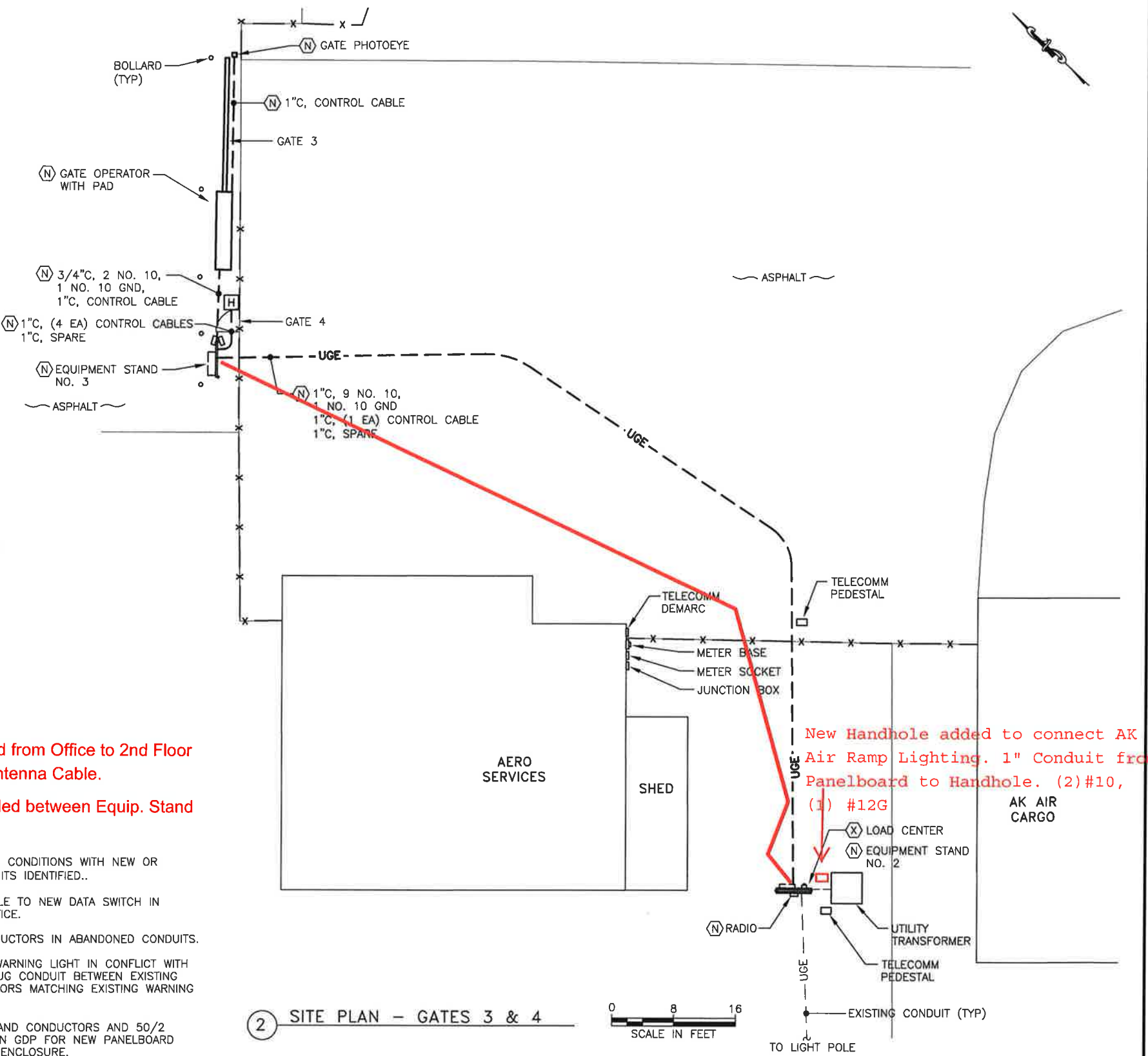
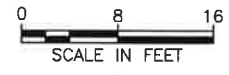


FILE: \\projects\278 - SIT & AKN Fences\Drawings\Sitka Airport\Drawings\Working\02-CD04.dwg  
DATE: 7/11/2017 8:14 AM LAYOUT: GATE #1&2&3&4  
DESIGNED: KHD CHECKED: BCH RAFTED: REL/PEL

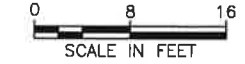
| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E02       | 18           |



1 SITE PLAN - GATES 1 & 2



2 SITE PLAN - GATES 3 & 4



New 1" Conduit installed from Office to 2nd Floor Drop Ceiling for New Antenna Cable.

Spare 1" Conduit installed between Equip. Stand and Gate Operator.

- NOTES:
1. PLAN ILLUSTRATES EXISTING CONDITIONS WITH NEW OR MODIFIED EQUIPMENT/CIRCUITS IDENTIFIED..
  2. CIRCUIT (1 EA) CAT5e CABLE TO NEW DATA SWITCH IN MAINTENANCE BUILDING OFFICE.
  3. REMOVE EXISTING UG CONDUCTORS IN ABANDONED CONDUITS.
  4. REMOVE FENCE MOUNTED WARNING LIGHT IN CONFLICT WITH NEW GATE. INSTALL NEW UG CONDUIT BETWEEN EXISTING LIGHTS WITH NEW CONDUCTORS MATCHING EXISTING WARNING LIGHT CIRCUIT.
  5. UTILIZE EXISTING CONDUIT AND CONDUCTORS AND 50/2 FEEDER CIRCUIT BREAKER IN GDP FOR NEW PANELBOARD FEEDER. RETAIN EXISTING ENCLOSURE.
  6. COORDINATE GATE ACCESS INTERRUPTIONS WITH M&O AND EMS.
  7. COORDINATE LOCATION WITH MAINTENANCE STAFF.
  8. PROVIDE TWO 20 AMP, SINGLE PHASE CIRCUITS FROM PANEL E FOR NETWORK EQUIPMENT AND PC.

As Built  
on 6/25/18

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
9101 VANGUARD DR  
ANCHORAGE, AK 99507  
(907)522-1707  
CERT. OF AUTH. NO. AEC0011  
HAIGHT & ASSOCIATES, INC.  
528 MAIN STREET  
JUNEAU, AK 99801  
(907)586-9788

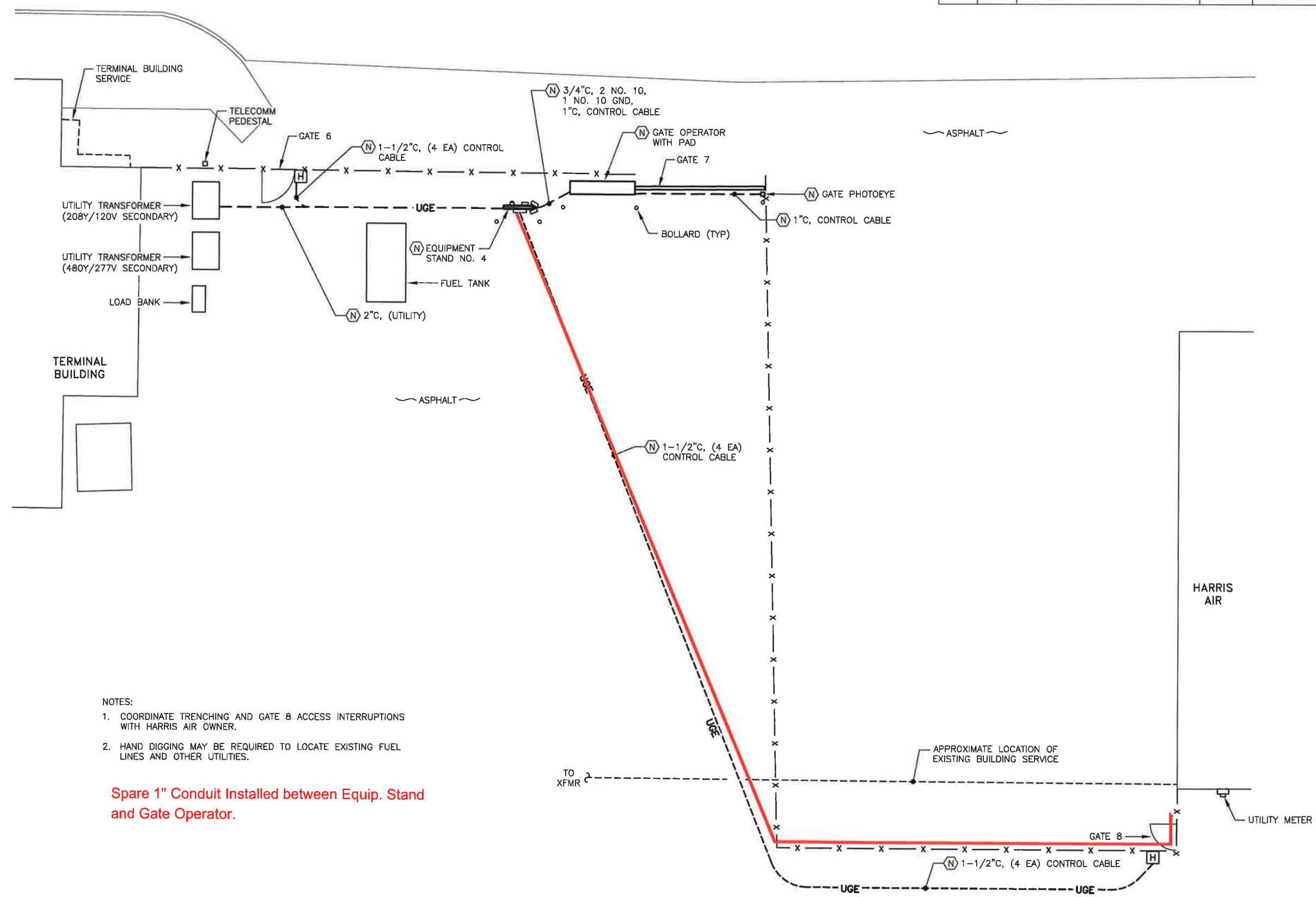


STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
(907) 465-1763  
SITKA AIRPORT PERIMETER FENCING & GATE UPGRADES  
GATES #1, #2, #3 & #4



FILE: F:\Projects\278 - SIT & AKI Fence\Drawings\Site Alaska\Drawings\Working\202-014.dwg  
DATE: 7/11/2017 8:14 AM LAYOUT: GATE #6,7&8  
DESIGNED: KHD CHECKED: BCH DRAFTED: REJ/PEL

| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E03       | 18           |



- NOTES:
1. COORDINATE TRENCHING AND GATE 8 ACCESS INTERRUPTIONS WITH HARRIS AIR OWNER.
  2. HAND DIGGING MAY BE REQUIRED TO LOCATE EXISTING FUEL LINES AND OTHER UTILITIES.

Spare 1" Conduit Installed between Equip. Stand and Gate Operator.

1 SITE PLAN - GATES 6, 7 & 8

0 8 16  
SCALE IN FEET

As BUILT  
on 6/25/18

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
9101 VANGUARD DR  
ANCHORAGE, AK 99507  
(907)522-1707  
CERT. OF AUTH. NO. AEC003  
HAIGHT & ASSOCIATES, INC.  
526 MAIN STREET  
JUNEAU, AK 99801  
(907)586-9788



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AND PUBLIC FACILITIES  
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(907) 465-1763  
SITKA AIRPORT PERIMETER  
FENCING & GATE UPGRADES  
GATES #6, #7, & #8



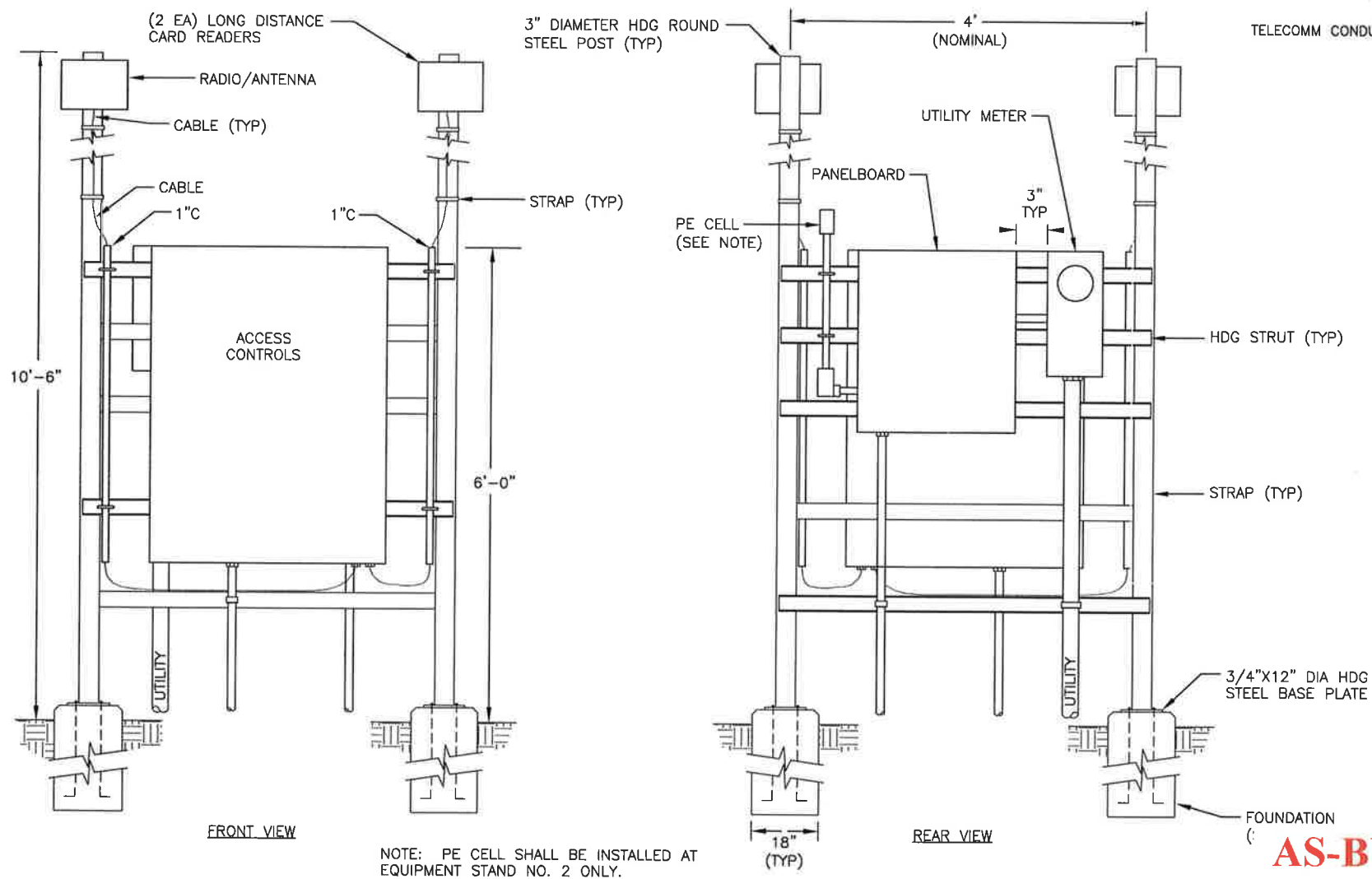
FILE: P:\Projects\278 - SIT & MN Fence\Drawings\Site\Airport\Drawings\202-ED4.dwg  
DATE: 7/11/2017 8:14 AM  
LAYOUT: GATE #10&10A  
DESIGNED: KHD  
CHECKED: BCH  
DRAFTED: REJ/PEL

| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E04       | 18           |

### EQUIPMENT STAND SCHEDULE

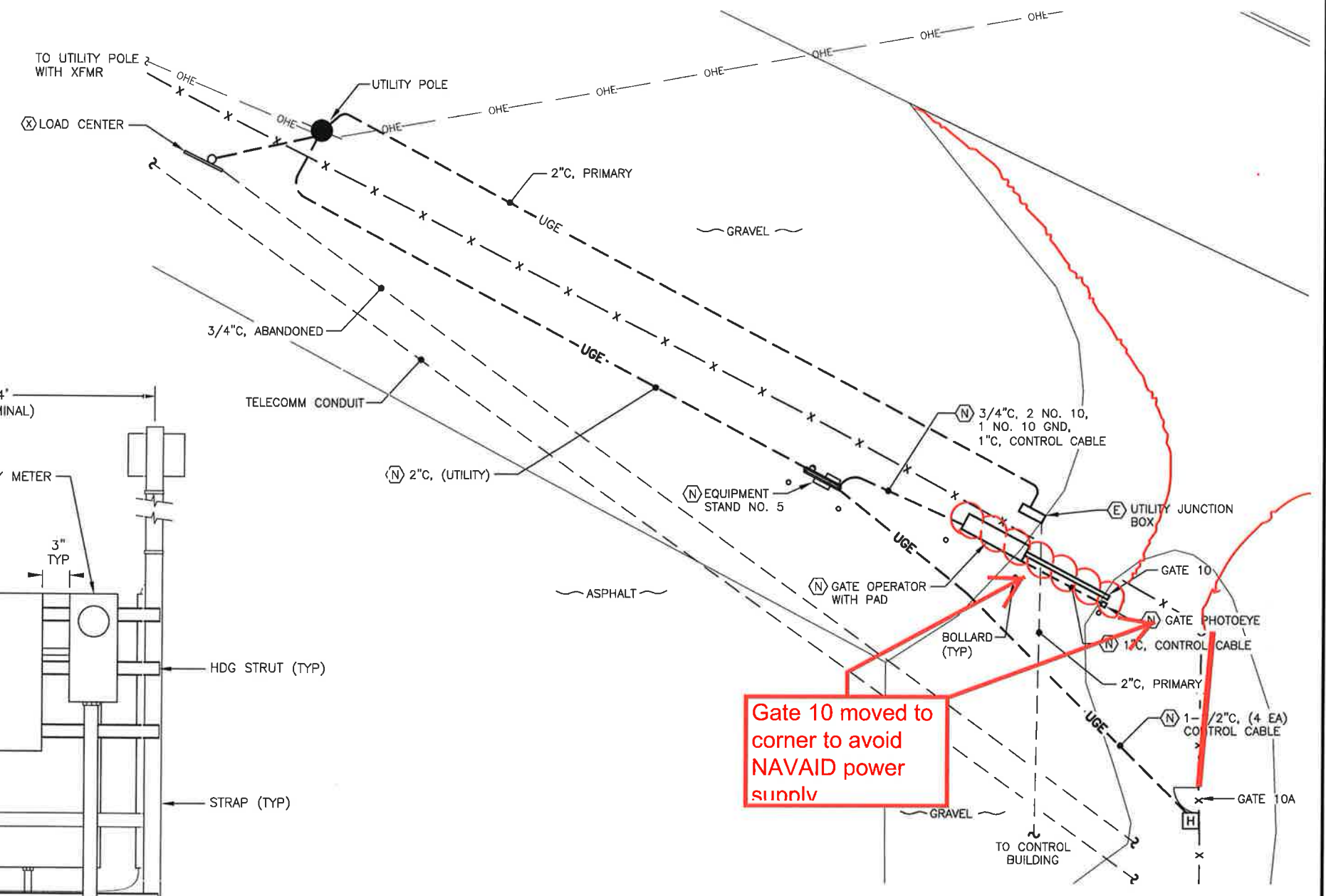
|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| EQUIPMENT STAND NO. 1 | ACCESS CONTROL CABINET, (2 EA) LONG DISTANCE CARD READERS                                           |
| EQUIPMENT STAND NO. 2 | UTILITY METER, PANELBOARD, RADIO CABINET, RADIO ANTENNA                                             |
| EQUIPMENT STAND NO. 3 | ACCESS CONTROL CABINET, (2 EA) LONG DISTANCE CARD READERS                                           |
| EQUIPMENT STAND NO. 4 | UTILITY METER, PANELBOARD, ACCESS CONTROL CABINET, RADIO ANTENNA, (2 EA) LONG DISTANCE CARD READERS |
| EQUIPMENT STAND NO. 5 | UTILITY METER, PANELBOARD, ACCESS CONTROL CABINET, RADIO ANTENNA, (2 EA) LONG DISTANCE CARD READERS |

Spare 1" Conduit Installed between Equip. Stand and Gate Operator.



NOTE: PE CELL SHALL BE INSTALLED AT EQUIPMENT STAND NO. 2 ONLY.

2 ELEVATION - TYPICAL EQUIPMENT STAND  
NO SCALE



Gate 10 moved to corner to avoid NAVAID power supply

1 SITE PLAN - GATES 10, & 10A  
SCALE IN FEET 0 8 16

### AS-BUILT PLANS

INITIALS *[Signature]* DATE 6/29/18

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
9101 VANGUARD DR  
ANCHORAGE, AK 99507  
(907)522-1707  
CERT. OF AUTH. NO. AEC0011  
HAIGHT & ASSOCIATES, INC.  
526 MAIN STREET  
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(907)586-9788



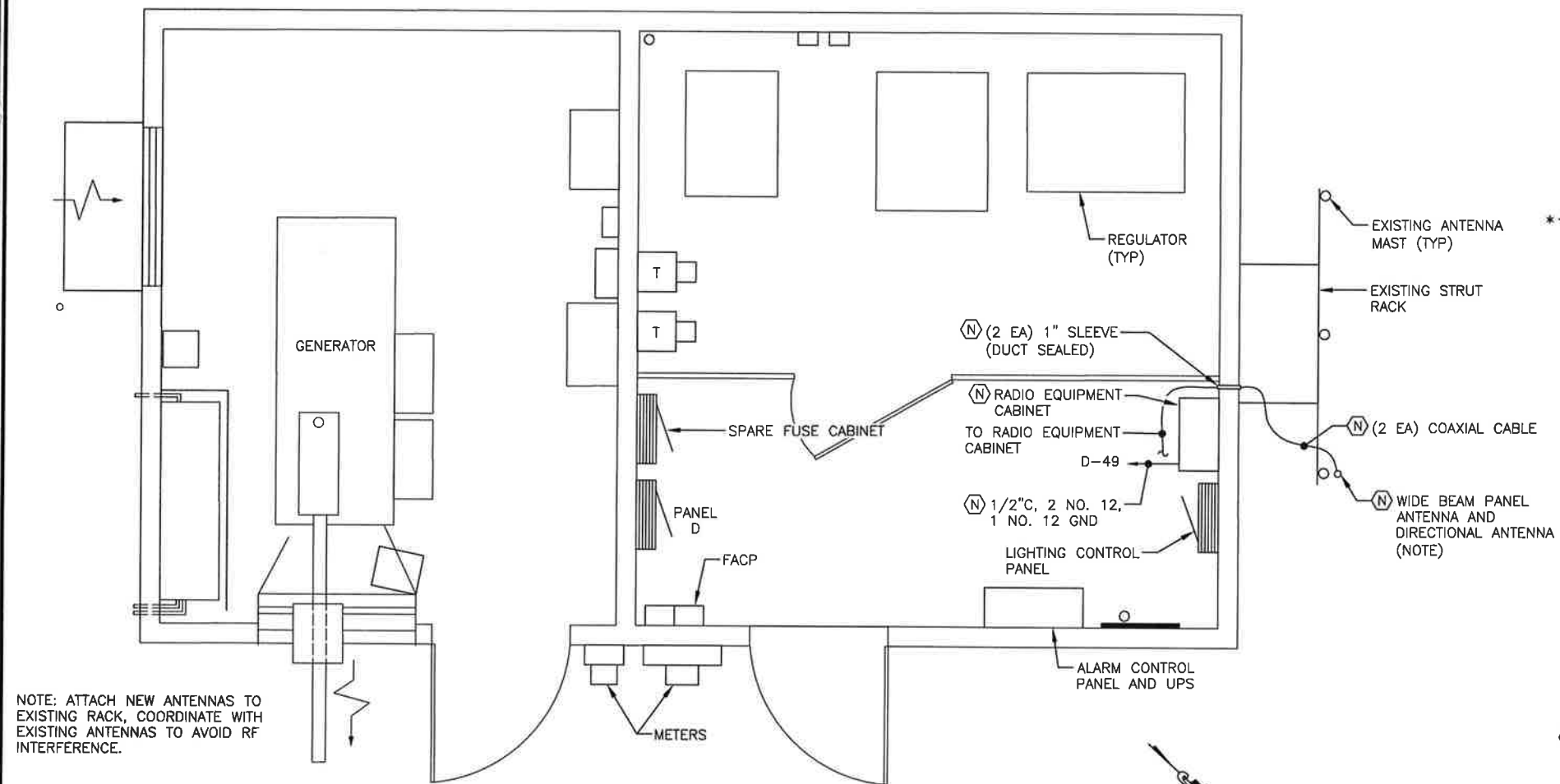
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
(907) 465-1763

### SITKA AIRPORT PERIMETER FENCING & GATE UPGRADES

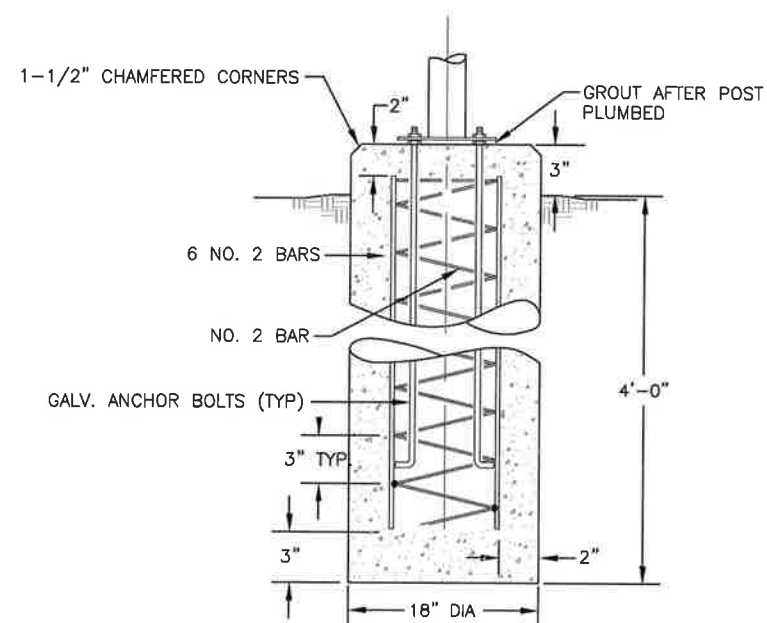
GATES #10, & #10A, DETAILS



| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E05       | 18           |



① FLOOR PLAN - EXISTING CONTROL BUILDING



2 DETAIL - POST BASE FOUNDATION

| PANEL D           |                            |                         | E   |    | SIZE     | VOLTS/PHASE    |                         | MAIN                               | LOCATION          |  | MOUNT   |
|-------------------|----------------------------|-------------------------|-----|----|----------|----------------|-------------------------|------------------------------------|-------------------|--|---------|
|                   |                            |                         |     |    | 400 AMPS | 120/240V, 1 PH |                         | MLO                                | CONTROL BUILDING  |  | SURFACE |
| C<br>K<br>T<br>NO | DESCRIPTION                | BREAKER<br>AMP/<br>POLE | KVA |    |          |                | BREAKER<br>AMP/<br>POLE | DESCRIPTION                        | C<br>K<br>T<br>NO |  |         |
|                   |                            |                         | CKT | AØ | BØ       | CKT            |                         |                                    |                   |  |         |
| 1                 | RUNWAY LIGHTING REGULATOR  | 150/2                   |     |    |          |                |                         | SPACE                              | 2                 |  |         |
| 3                 | -----                      | ---                     |     |    |          |                |                         | ↓                                  | 4                 |  |         |
| 5                 | RUNWAY LIGHTING REGULATOR  | 150/2                   |     |    |          |                |                         | ↓                                  | 6                 |  |         |
| 7                 | -----                      | ---                     |     |    |          |                |                         | ↓                                  | 8                 |  |         |
| 9                 | GENERATOR ROOM HEATER      | 20/2                    |     |    |          |                | 20/2                    | ELECTRICAL ROOM HEATER             | 10                |  |         |
| 11                | -----                      | ---                     |     |    |          |                | ---                     | -----                              | 12                |  |         |
| 13                | TAXIWAY LIGHTING REGULATOR | 50/2                    |     |    |          |                |                         | SPACE                              | 14                |  |         |
| 15                | -----                      | ---                     |     |    |          |                |                         | SPACE                              | 16                |  |         |
| 17                | SPACE                      |                         |     |    |          |                | 50/2                    | VASI-24--TRANSFORMER               | 18                |  |         |
| 19                | ↓                          |                         |     |    |          |                | ---                     | -----                              | 20                |  |         |
| 21                |                            |                         |     |    |          |                |                         | SPACE                              | 22                |  |         |
| 23                | ↓                          |                         |     |    |          |                |                         | SPACE                              | 24                |  |         |
| 25                | GENERATOR TANK HEATER      | 20/1                    |     |    |          |                | 20/1                    | BUILDING LTG                       | 26                |  |         |
| 27                | GENERATOR CONTROLS         | 20/1                    |     |    |          |                | 20/1                    | GENERATOR ROOM                     | 28                |  |         |
| 29                | BATTERY CHARGER (GENSET)   | 20/1                    |     |    |          |                | 20/1                    | ELECTRICAL ROOM                    | 30                |  |         |
| 31                | DAY TANK CONTROLS          | 20/1                    |     |    |          |                | 20/1                    | SPARE                              | 32                |  |         |
| 33                | DAY TANK PUMP              | 20/1                    |     |    |          |                | 20/1                    | BUILDING ALARM BACKUP POWER SYSTEM | 34                |  |         |
| 35                | FIRE ALARM PANEL           | 20/1                    |     |    |          |                | 15/1                    | SPARE                              | 36                |  |         |
| 37                | TELEPHONE PANEL            | 20/1                    |     |    |          |                | 15/1                    | PILOT RADIO CONTROLLER             | 38                |  |         |
| 39                | SPARE                      | 20/1                    |     |    |          |                | 20/1                    | BEACON                             | 40                |  |         |
| 41                | WINDSOCK LTG               | 20/1                    |     |    |          |                | 20/1                    | BEACON OBS LTG                     | 42                |  |         |
| 43                | WINDSOCK SPARE             | 20/1                    |     |    |          |                | 20/1                    | CONTROL BUILDING OBS LTG           | 44                |  |         |
| 45                | TRAILER                    | 70/2                    |     |    |          |                |                         | SPACE                              | 46                |  |         |
| 47                | -----                      | ---                     |     |    |          |                |                         |                                    | 48                |  |         |
| 49                | RADIO EQUIPMENT CABINET    | 20/1                    |     |    |          |                |                         |                                    | 50                |  |         |
| 51                | SPACE                      |                         |     |    |          |                |                         |                                    | 52                |  |         |
| 53                | SPACE                      |                         |     |    |          |                |                         | ↓                                  | 54                |  |         |

\* HANDLE TIE

## AS-BUILT PLANS

INITIALS Ph DATE 6/25/18

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
9101 VANGUARD DR  
ANCHORAGE, AK 99507  
(907)522-1707  
CERT. OF AUTH. NO. AECCIII

HAIGHT & ASSOCIATES, INC.  
526 MAIN STREET  
JUNEAU, AK 99801  
(907)586-9788



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
(907) 465-1763

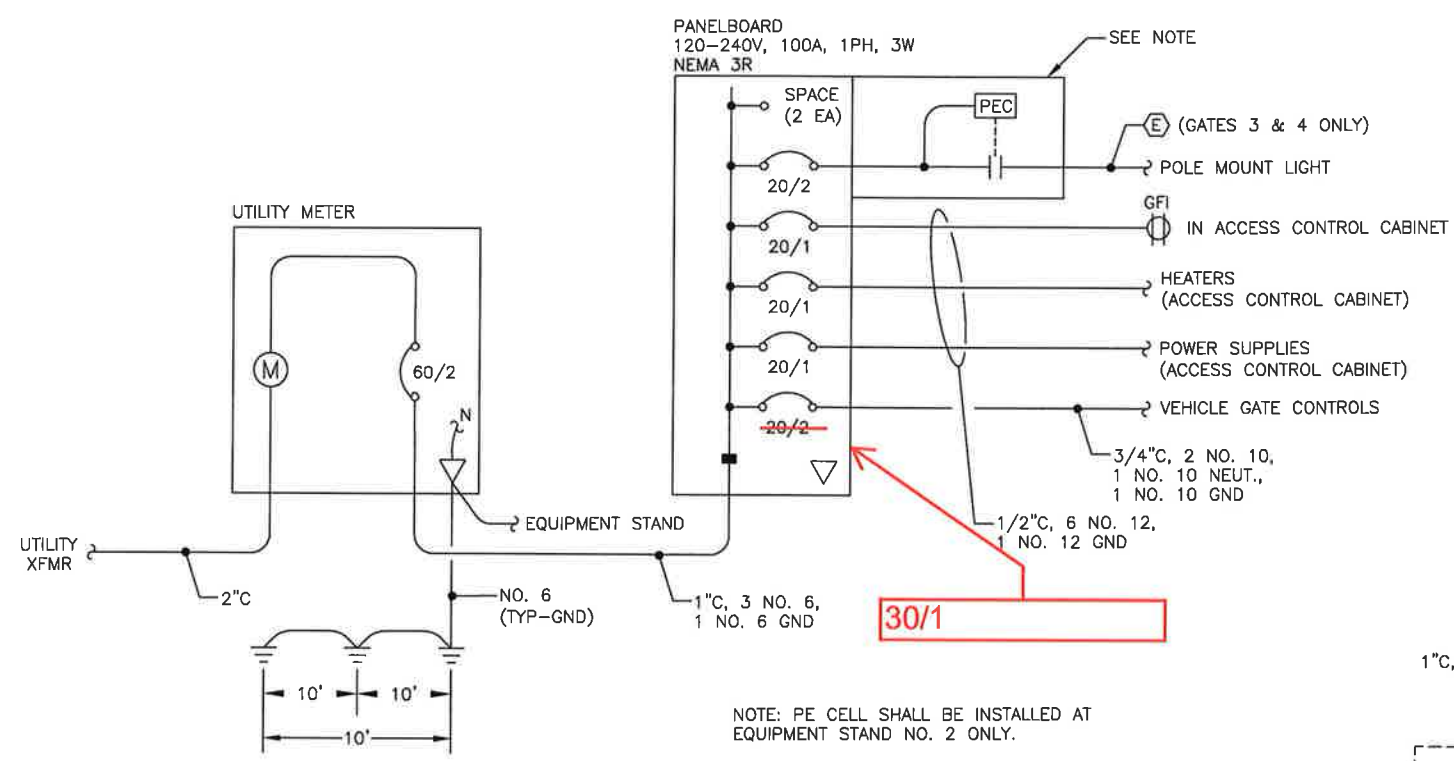
SITKA AIRPORT PERIMETER  
FENCING & GATE UPGRADES

CONTROL BUILDING FLOOR PLAN,  
PANEL SCHEDULE, DETAIL

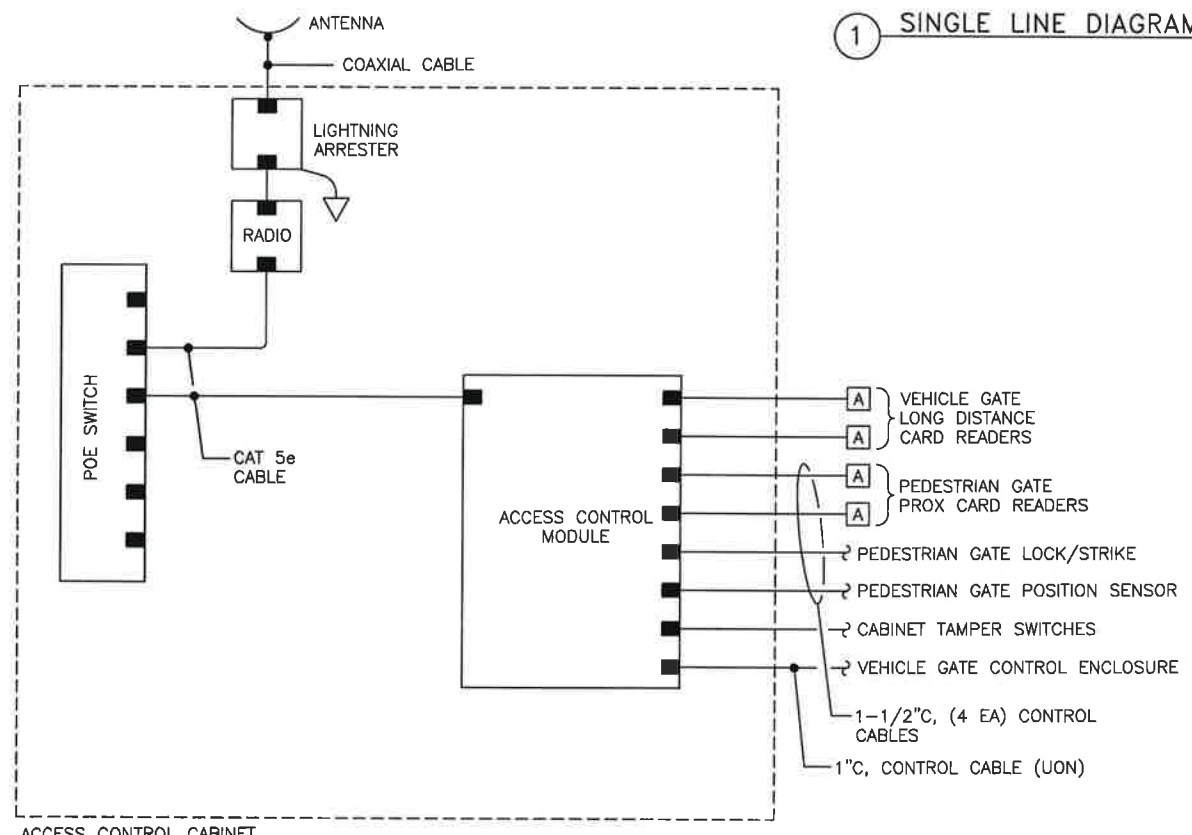


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DESIGNED: KHD  
CHECKED: BCH  
DRAFTED: REJ/PEL

| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E06       | 18           |

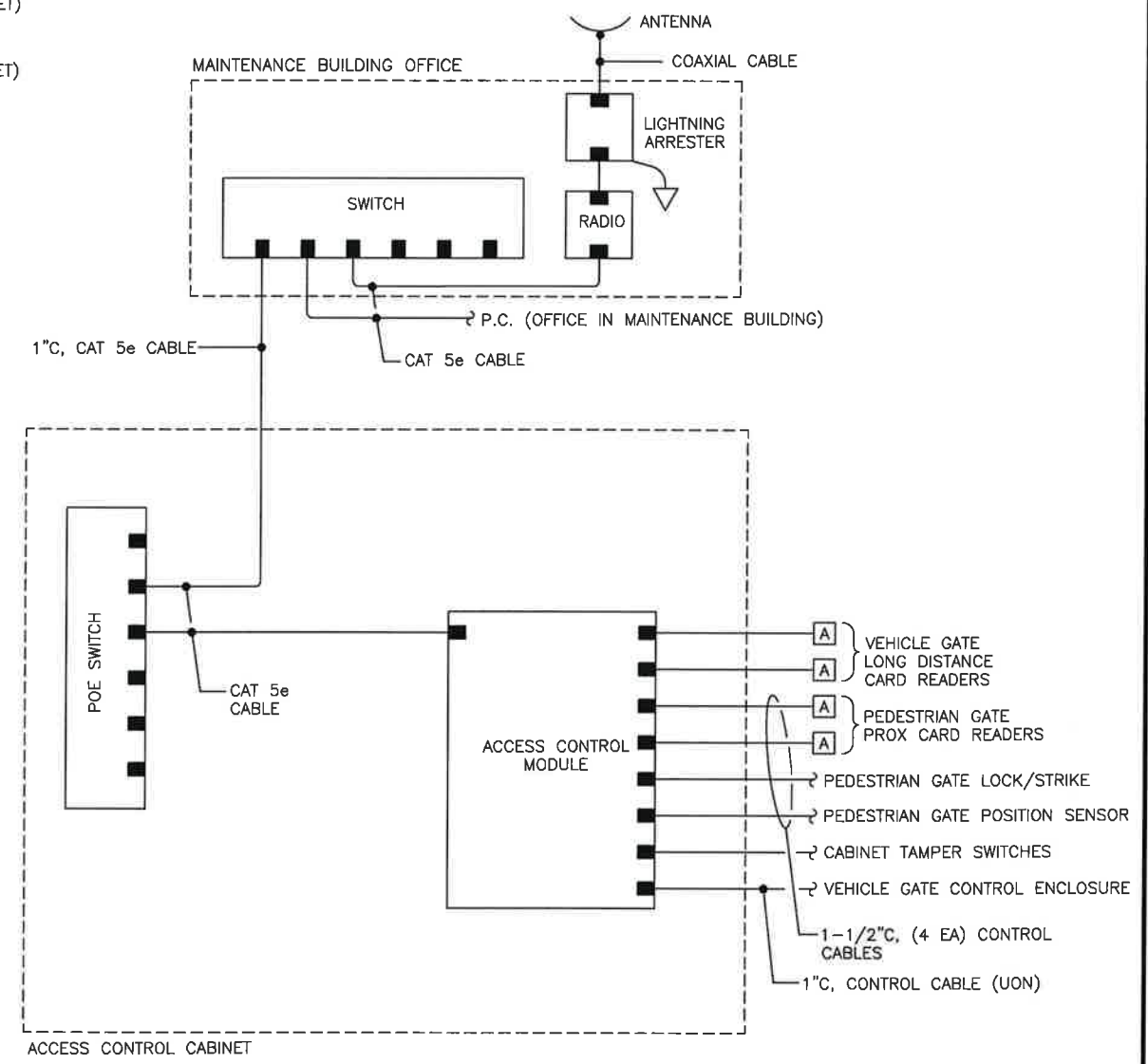


1 SINGLE LINE DIAGRAM - TYPICAL EQUIPMENT STAND  
NO SCALE



- NOTES:
1. PROVIDE POWER SUPPLIES IN THE ACCESS CONTROL CABINET TO POWER EQUIPMENT.
  2. PROVIDE (2 EA) ACCESS CONTROL MODULES OR SINGLE MODULE WITH CAPACITY FOR 6 READERS AT ACCESS CONTROL CABINET FOR GATES 6, 7 & 8.
  3. COORDINATE CONFIGURATION WITH ACCESS CONTROL MANUFACTURER.
  4. RADIO EQUIPMENT IS ILLUSTRATED TO BE LOCATED IN THE CABINET. BASED ON MANUFACTURER SELECTED, RADIO MAY BE INTEGRAL TO THE ANTENNA.

2 SCHEMATIC DIAGRAM - TYPICAL ACCESS NETWORK  
NO SCALE



- NOTES:
1. PROVIDE POWER SUPPLIES IN THE ACCESS CONTROL CABINET TO POWER EQUIPMENT.
  2. COORDINATE CONFIGURATION WITH ACCESS CONTROL MANUFACTURER.
  3. RADIO EQUIPMENT IS ILLUSTRATED TO BE LOCATED IN THE CABINET. BASED ON MANUFACTURER SELECTED, RADIO MAY BE INTEGRAL TO THE ANTENNA.

3 SCHEMATIC DIAGRAM - GATES 1 & 2 ACCESS NETWORK  
NO SCALE

AS-BUILT PLANS

INITIALS Ar DATE 6/25/18

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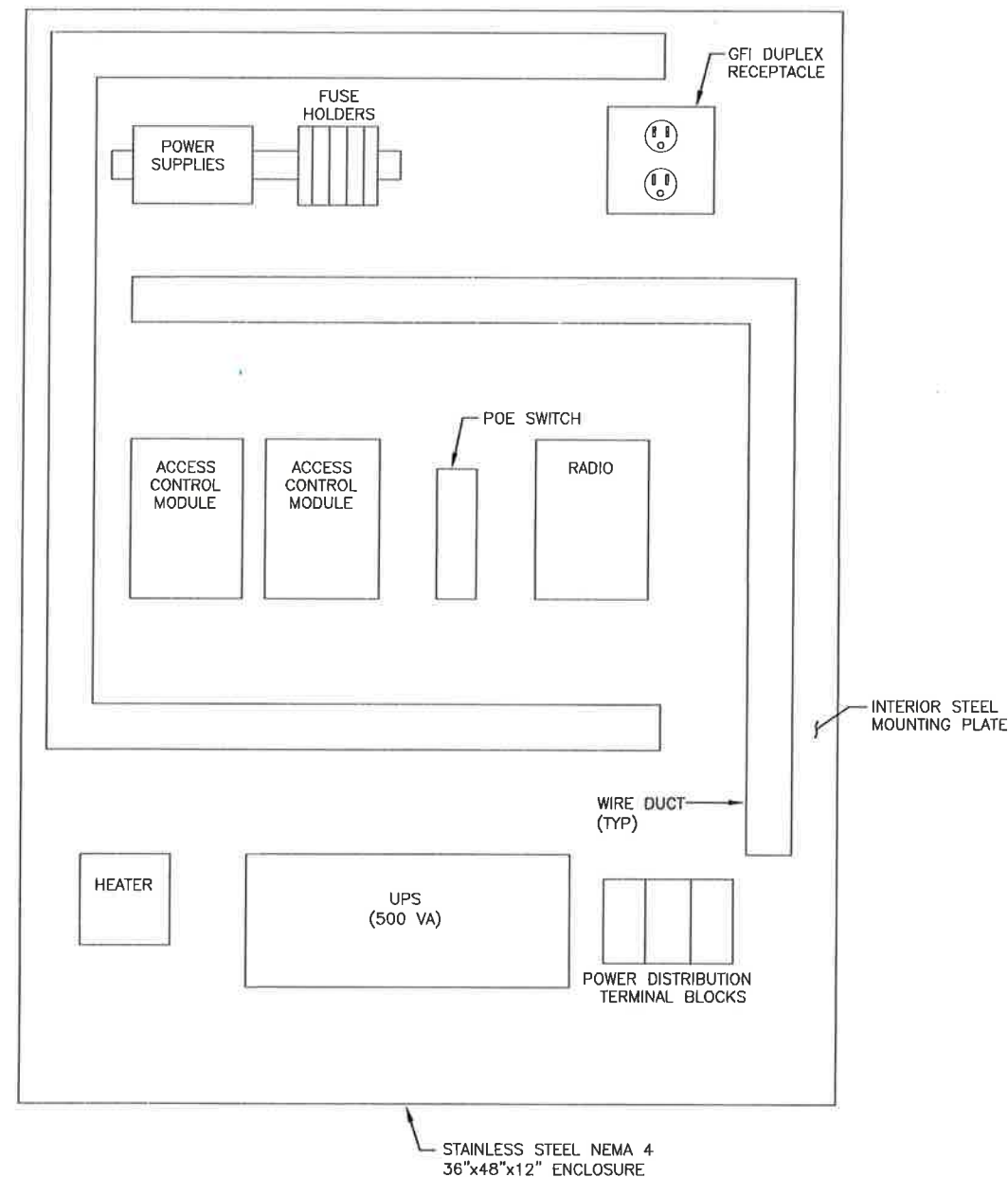
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
(907) 465-1763

SITKA AIRPORT PERIMETER  
FENCING & GATE UPGRADES

SINGLE LINE DIAGRAMS AND DETAILS

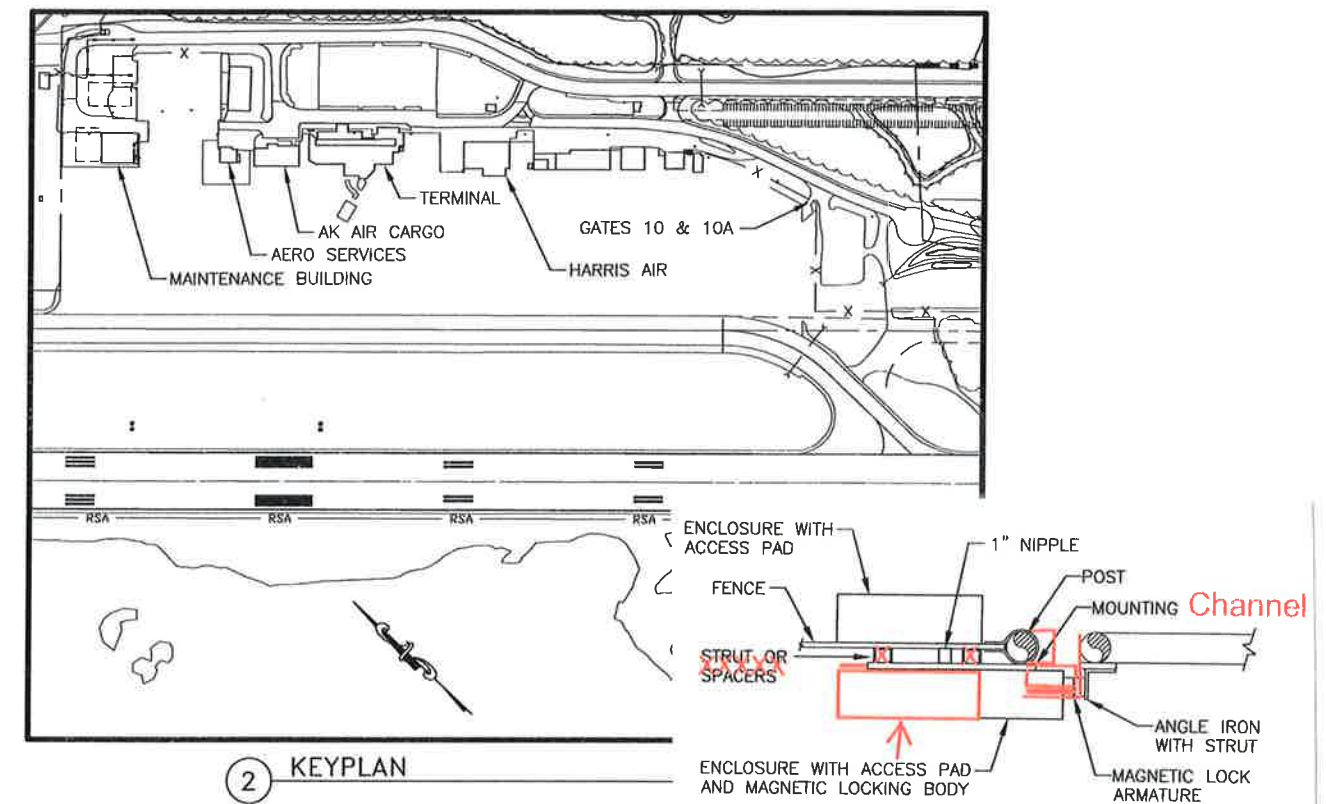


| NO. | DATE | REVISION | STATE  | PROJECT DESIGNATION | YEAR | SHEET NO. | TOTAL SHEETS |
|-----|------|----------|--------|---------------------|------|-----------|--------------|
|     |      |          | ALASKA | SFAPT 00123         | 2017 | E07       | 18           |

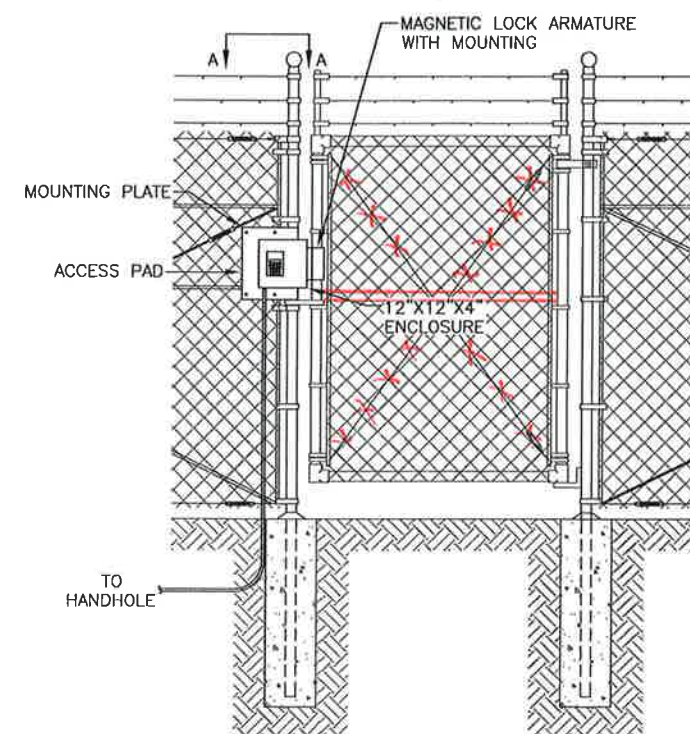


1 DETAIL - TYPICAL GATE CONTROL ENCLOSURE

| PEDESTRIAN GATE ACCESS CONTROL SCHEDULE |                                   |
|-----------------------------------------|-----------------------------------|
| GATE NO. 1                              | (2 EA) CARD READERS               |
| GATE NO. 4                              | (2 EA) CARD READERS WITH KEY PADS |
| GATE NO. 6                              | (2 EA) CARD READERS               |
| GATE NO. 8                              | (2 EA) CARD READERS               |
| GATE NO. 10A                            | (2 EA) CARD READERS WITH KEY PADS |



② KEYPLAN

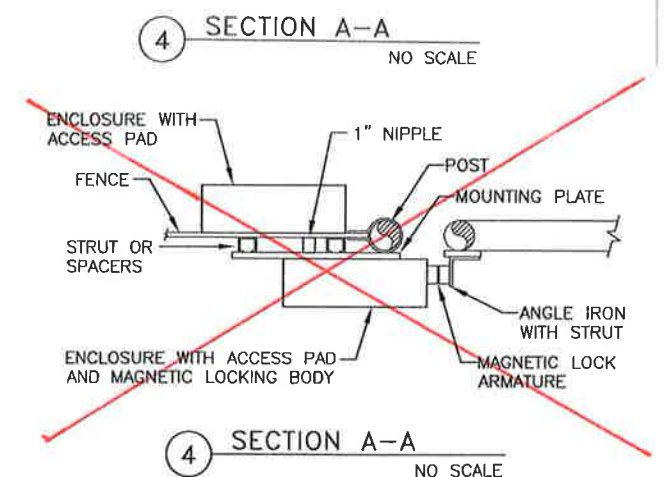


3 DETAIL - TYPICAL PEDESTRIAN FENCE ACCESS CONTROL

Maglocks installed on opposite side of Gate at Gates 1 and 8.

## AS-BUILT PLANS

INITIALS AM DATE 6/25/18



NOTES:

1. INSTALL AND SEAL CONCEALED SIDE OF MAGNETIC LOCKING BODY IN ENCLOSURE.
2. PROVIDE (4 EA) 1/4" DRAIN HOLES IN BOTTOM OF ENCLOSURES.

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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
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(907) 465-1763

SITKA AIRPORT PERIMETER  
FENCING & GATE UPGRADES

## KEY PLAN AND DETAILS



| REV | DESCRIPTION | BY | DATE |   |   |   |   |   |   |
|-----|-------------|----|------|---|---|---|---|---|---|
| -   | -           | -  | -    | - | - | - | - | - | - |

| CKT NO | ACCESSORIES | TYPE | RATING AMP/P |  | RATING AMP/P | TYPE | ACCESSORIES            | CKT NO |
|--------|-------------|------|--------------|--|--------------|------|------------------------|--------|
| 3      | Space       | QOB  | 20/1         |  | 20/2         | QOB  | Space                  | 2      |
| 5      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 4      |
| 7      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 6      |
| 9      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Heat Mat | 8      |
| 11     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Cabinet Heat   | 10     |
| 13     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Power    | 12     |
| 15     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Power    | 14     |
| 17     | Space       | QOB  | 20/1         |  | 20/1         | QOB  |                        | 16     |
|        |             |      |              |  |              |      |                        | 18     |



30/1

PHYSICAL DATA

ENCLOSURE Type 3R/5/12  
FRONT CAT#: Trim w/Box  
BOX CAT#: MH26WP  
DIMENSIONS:  
26"H x 20"W x 6.5"D  
WIRE BENDING SPACE:  
TOP - 3.25  
BOTTOM - 9.6  
SIDE - 6.13  
PBA: 711  
BUSSING: COPPER  
Silver/Tin Plated  
OPTIONAL FEATURES:  
BRANCH USER PLACEMENT  
ALUMINUM SOLID NEUTRAL  
ALUMINUM GROUND BAR

ELECTRICAL DATA

SYSTEM: 120/240V 1Ph 3W 60Hz  
System Ampacity: 60A  
10ka SYMS. SCCR  
MAIN: MAIN LUGS : 60A  
Bottom FEED  
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:  
Wire Bending Space:  
Phase Lugs : 1 - #6 - 2/0 AWG  
-----BRANCH SUMMATION-----  
2 - 20A/2P QOB 3 - 20A/1P QOB  
11 - 20A/1P-PS QOB

AS-BUILT PLANS

INITIALS am DATE 6/25/13

|                 |                 |                        |                                        |
|-----------------|-----------------|------------------------|----------------------------------------|
| NAME:           | SITKA AIRPORT   | EQUIPMENT DESIGNATION: | Panel 1 maintenance Building           |
| JOB LOCATION:   | 636             | EQUIPMENT TYPE:        | NQ (Circuit Breaker Type) PANEL 1 OF 1 |
| DRAWN BY:       | (Q2C)           | DRAWING TYPE:          | ONE LINE DIAGRAM                       |
| ENGR:           |                 |                        |                                        |
| DATE:           | January 08 2018 |                        |                                        |
| DRAWING STATUS: | QUOTE           | DWG#                   | 040301491-01                           |
|                 |                 | PG 1                   | OF 1                                   |
|                 |                 | REV                    | -                                      |



| REV | DESCRIPTION | BY | DATE        | -- | ----  | --- | ---/---/--- |
|-----|-------------|----|-------------|----|-------|-----|-------------|
| --  | -----       | -- | ---/---/--- | -- | ----- | --- | ---/---/--- |

| CKT NO | ACCESSORIES           | TYPE | RATING AMP/P |  | RATING AMP/P | TYPE | ACCESSORIES             | CKT NO |
|--------|-----------------------|------|--------------|--|--------------|------|-------------------------|--------|
| 3      | Space                 | QOB  | 20/2         |  | 20/2         | QOB  | Space                   | 2      |
| 5      | Space                 | QOB  | 20/1         |  | 20/2         | QOB  | AK Air Ramp Lights      | 4      |
| 7      | Space                 | QOB  | 20/1         |  | 20/2         | QOB  | AK Air Ramp Lights      | 6      |
| 9      | Space                 | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Heat Mat  | 8      |
| 11     | Space                 | QOB  | 20/1         |  | 20/1         | QOB  | Control Cabinet 3 Heat  | 10     |
| 13     | Control Panel 2 Heat  | QOB  | 20/1         |  | 20/1         | QOB  | Control Cabinet 3 Recep | 12     |
| 15     | Control Panel 2 Power | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel 3 Power   | 14     |
| 17     | Control Panel 2 Recep | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Power     | 16     |
|        |                       |      |              |  | 20/1         | QOB  |                         | 18     |

30/1

PHYSICAL DATA

ENCLOSURE Type 3R/5/12  
FRONT CAT#: Trim w/Box  
BOX CAT#: MH26WP  
DIMENSIONS:  
26"H x 20"W x 6.5"D  
WIRE BENDING SPACE:  
TOP - 3.25  
BOTTOM - 9.6  
SIDE - 6.13  
PBA: 711  
BUSSING: COPPER  
Silver/Tin Plated  
OPTIONAL FEATURES:  
BRANCH USER PLACEMENT  
ALUMINUM SOLID NEUTRAL  
ALUMINUM GROUND BAR

ELECTRICAL DATA

SYSTEM: 120/240V 1Ph 3W 60Hz  
System Ampacity: 60A  
10kA SYMS. SCCR  
MAIN: MAIN LUGS : 60A  
Bottom FEED  
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:  
Wire Bending Space:  
Phase Lugs : 1 - #6 - 2/0 AWG  
-----BRANCH SUMMATION-----  
2 - 20A/2P QOB 3 - 20A/1P QOB  
11 - 20A/1P-PS QOB

AS-BUILT PLANS

INITIALS Q DATE 6/25/18

|                 |                 |                        |                                        |
|-----------------|-----------------|------------------------|----------------------------------------|
| NAME:           | SITKA AIRPORT   | EQUIPMENT DESIGNATION: | <del>8</del> equipment Stand 2         |
| JOB LOCATION:   | 636             | EQUIPMENT TYPE:        | NQ (Circuit Breaker Type) PANEL 1 OF 1 |
| DRAWN BY:       | (Q2C)           | DRAWING TYPE:          | ONE LINE DIAGRAM                       |
| ENGR:           |                 |                        |                                        |
| DATE:           | January 08 2018 |                        |                                        |
| DRAWING STATUS: | QUOTE           | DWG#                   | 040301491-01                           |
|                 |                 | PG 1                   | OF 1                                   |
|                 |                 | REV                    | -                                      |



| REV | DESCRIPTION | BY  | DATE        | - | ----  | --- | ---/---/--- |
|-----|-------------|-----|-------------|---|-------|-----|-------------|
| -   | -----       | --- | ---/---/--- | - | ----- | --- | ---/---/--- |

| CKT NO | ACCESSORIES | TYPE | RATING AMP/P |  | RATING AMP/P | TYPE | ACCESSORIES            | CKT NO |
|--------|-------------|------|--------------|--|--------------|------|------------------------|--------|
| 3      | Space       | QOB  | 20/2         |  | 20/2         | QOB  | Gate Operator Heat mat | 2      |
| 5      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Power    | 4      |
| 7      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Power    | 6      |
| 9      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Recep    | 8      |
| 11     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Heat     | 10     |
| 13     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 12     |
| 15     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 14     |
| 17     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 16     |
|        |             |      |              |  | 20/1         | QOB  | Space                  | 18     |

PHYSICAL DATA

ENCLOSURE Type 3R/5/12  
FRONT CAT#: Trim w/Box  
BOX CAT#: MH26WP  
DIMENSIONS:  
26"H x 20"W x 6.5"D  
WIRE BENDING SPACE:  
TOP - 3.25  
BOTTOM - 9.6  
SIDE - 6.13  
PBA: 711  
BUSSING: COPPER  
Silver/Tin Plated  
OPTIONAL FEATURES:  
BRANCH USER PLACEMENT  
ALUMINUM SOLID NEUTRAL  
ALUMINUM GROUND BAR

ELECTRICAL DATA

SYSTEM: 120/240V 1Ph 3W 60Hz  
System Ampacity: 60A  
10ka SYMS. SCCR  
MAIN: MAIN LUGS : 60A  
Bottom FEED  
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:  
Wire Bending Space:  
Phase Lugs : 1 - #6 - 2/0 AWG  
-----BRANCH SUMMATION-----  
2 - 20A/2P QOB                      3 - 20A/1P QOB  
11 - 20A/1P-PS QOB

AS-BUILT PLANS

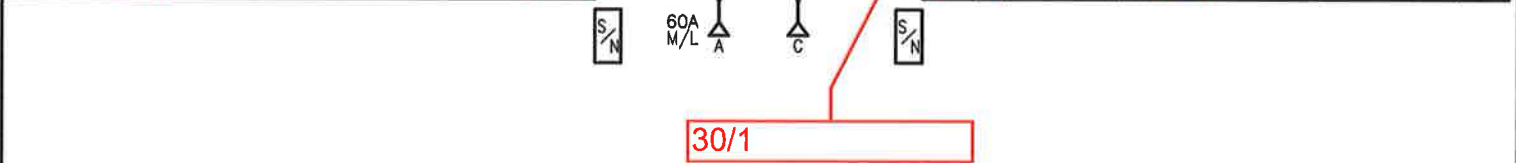
INITIALS   a   DATE 6/25/18

|                 |                 |                        |                                         |
|-----------------|-----------------|------------------------|-----------------------------------------|
| NAME:           | SITKA AIRPORT   | EQUIPMENT DESIGNATION: | <del>8</del>                            |
| JOB LOCATION:   | 636             | EQUIPMENT TYPE:        | NQ ( Circuit Breaker Type) PANEL 1 OF 1 |
| DRAWN BY:       | (Q2C)           | DRAWING TYPE:          | ONE LINE DIAGRAM                        |
| ENGR:           |                 |                        |                                         |
| DATE:           | January 08 2018 | by Schneider Electric  |                                         |
| DRAWING STATUS: | QUOTE           | DWG# 040301491-01      | PG 1 OF 1 REV -                         |



| REV | DESCRIPTION | BY  | DATE        |   |      |     |             |  |  |
|-----|-------------|-----|-------------|---|------|-----|-------------|--|--|
| -   | ----        | --- | ---/---/--- | - | ---- | --- | ---/---/--- |  |  |

| CKT NO | ACCESSORIES | TYPE | RATING AMP/P |  | RATING AMP/P | TYPE | ACCESSORIES            | CKT NO |
|--------|-------------|------|--------------|--|--------------|------|------------------------|--------|
| 3      | Space       | QOB  | 20/2         |  | 20/2         | QOB  | Gate Operator Heat mat | 2      |
| 5      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Power    | 4      |
| 7      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Recep    | 6      |
| 9      | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Control Panel Heat     | 8      |
| 11     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Gate Operator Power    | 10     |
| 13     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 12     |
| 15     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 14     |
| 17     | Space       | QOB  | 20/1         |  | 20/1         | QOB  | Space                  | 16     |
|        |             |      |              |  | 20/1         | QOB  | Space                  | 18     |



PHYSICAL DATA

ENCLOSURE Type 3R/5/12  
FRONT CAT#: Trim w/Box  
BOX CAT#: MH26WP  
DIMENSIONS:  
26"H x 20"W x 6.5"D  
WIRE BENDING SPACE:  
TOP - 3.25  
BOTTOM - 9.6  
SIDE - 6.13  
PBA: 711  
BUSSING: COPPER  
Silver/Tin Plated  
OPTIONAL FEATURES:  
BRANCH USER PLACEMENT  
ALUMINUM SOLID NEUTRAL  
ALUMINUM GROUND BAR

ELECTRICAL DATA

SYSTEM: 120/240V 1Ph 3W 60Hz  
System Ampacity: 60A  
10ka SYMS. SCCR  
MAIN: MAIN LUGS : 60A  
Bottom FEED  
INCOMING CONDUCTORS(S) PER NEC, CEC, NOM:  
Wire Bending Space:  
Phase Lugs : 1 - #6 - 2/0 AWG  
-----BRANCH SUMMATION-----  
2 - 20A/2P QOB                      3 - 20A/1P QOB  
11 - 20A/1P-PS QOB

AS-BUILT PLANS

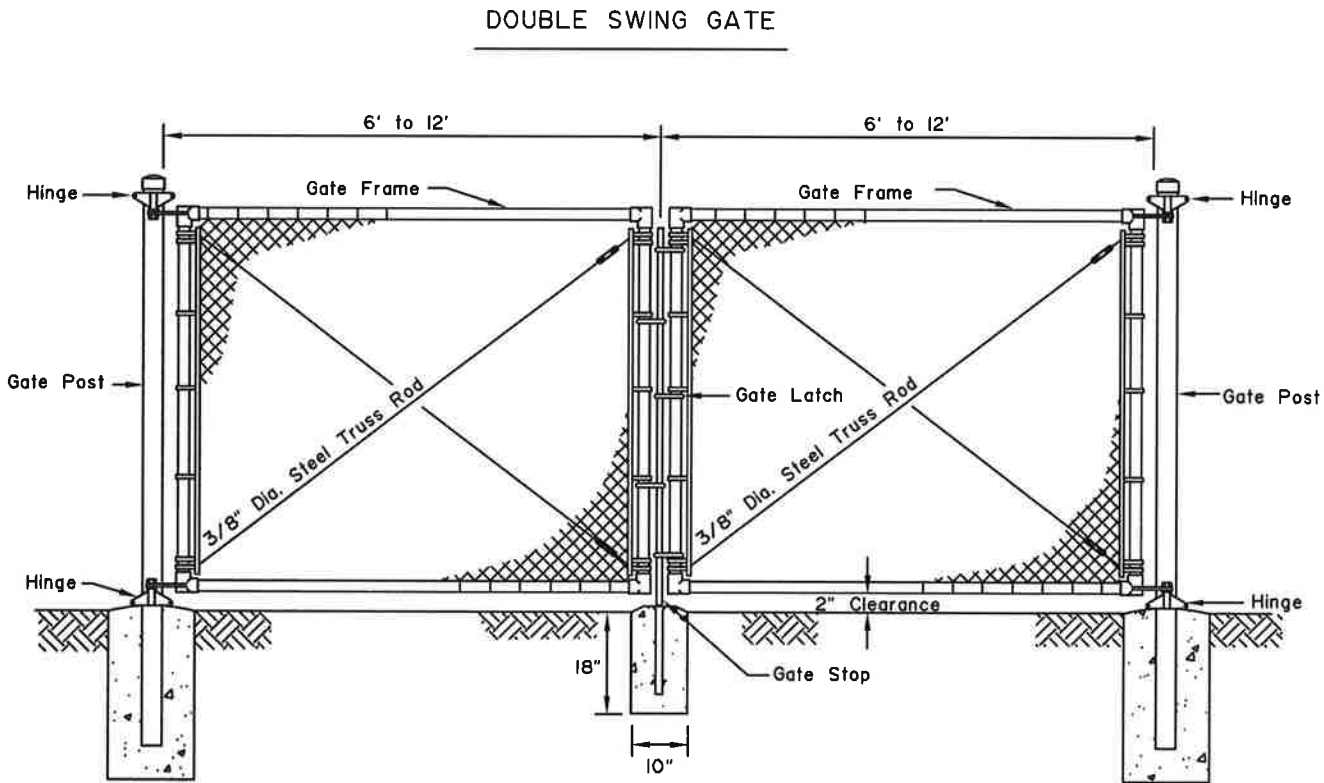
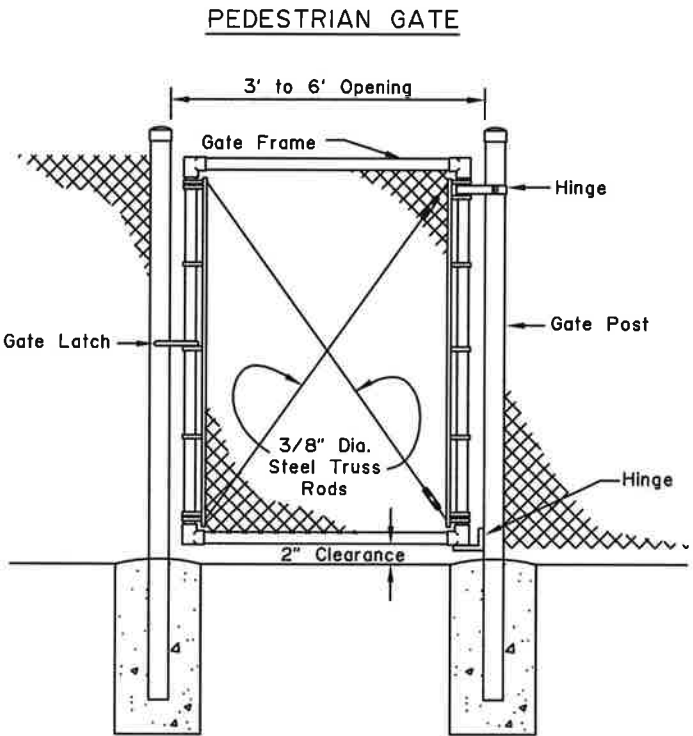
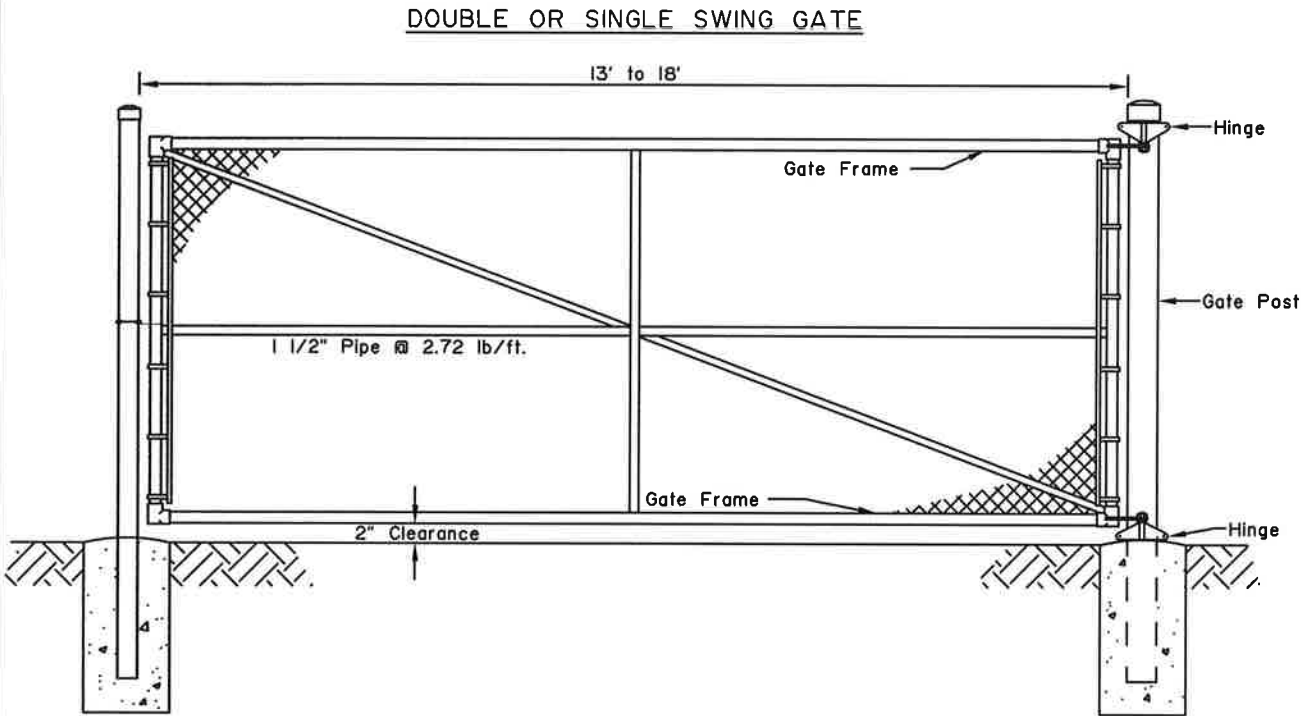
INITIALS    DATE 6/25/18

|                 |                 |                        |                                         |
|-----------------|-----------------|------------------------|-----------------------------------------|
| NAME:           | SITKA AIRPORT   | EQUIPMENT DESIGNATION: | <del>8</del>                            |
| JOB LOCATION:   | 636             | EQUIPMENT TYPE:        | NQ ( Circuit Breaker Type) PANEL 1 OF 1 |
| DRAWN BY:       | (Q2C)           | DRAWING TYPE:          | ONE LINE DIAGRAM                        |
| ENGR:           |                 |                        |                                         |
| DATE:           | January 08 2018 |                        |                                         |
| DRAWING STATUS: | QUOTE           | DWG# 040301491-01      | PG 1 OF 1 REV -                         |



GENERAL NOTES:

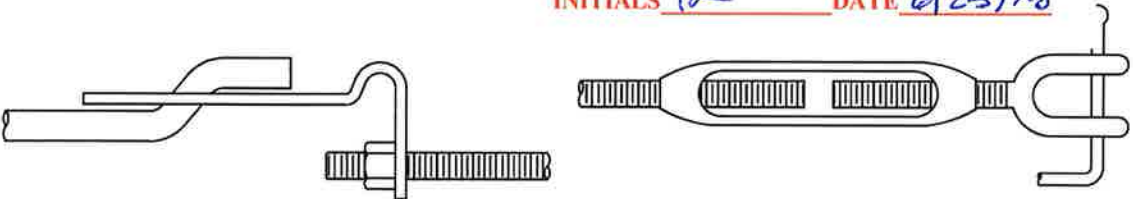
1. Details shown are to indicate general design only. Dimensions may vary slightly among the manufacturers.
2. Gate fabric shall be of the same design and height of line fence fabric.
3. Gate fabric shall be furnished with knuckle selvage top and bottom.
4. Concrete footings shall be class W concrete.
5. Concrete footings shall be of the same depth as end posts with a diameter 1 1/2 times larger except as shown for gate stop.
6. Gate frames may be fabricated by welding or riveting and shall be braced to eliminate sagging. Hinges, latches and other gate appurtenances shall be of sufficient strength and design to assure easy trouble free operation.



| Gate Fabric Height | Gate Opening |             | GATE POST |         |                 |         |                 |        | GATE FRAME |        |             |        |
|--------------------|--------------|-------------|-----------|---------|-----------------|---------|-----------------|--------|------------|--------|-------------|--------|
|                    | SINGLE GATE  | DOUBLE GATE | ST'D PIPE |         | SQUARE TUBE     |         | ROLL FORMED     |        | ST'D PIPE  |        | SQUARE TUBE |        |
|                    |              |             | SIZE      | WT/FT.  | SIZE            | WT/FT.  | SIZE            | WT/FT. | SIZE       | WT/FT. | SIZE        | WT/FT. |
| 3' to 5'           | 3' to 6'     | 6' to 12'   | 2"        | 3.65 #  | 2" x 2"         | 4.31 #  | 3 1/2" x 3 1/2" | 5.14 # | 1 1/2"     | 2.72 # | 2" x 2"     | 4.31 # |
| "                  | 7' to 12'    | 13' to 24'  | 2 1/2"    | 5.79 #  | 2 1/2" x 2 1/2" | 5.59 #  | "               | "      | "          | "      | "           | "      |
| "                  | 13' to 18'   | 25' to 36'  | "         | "       | "               | "       | "               | "      | "          | "      | "           | "      |
| 6' to 8'           | 3' to 6'     | 6' to 12'   | 2 1/2"    | 5.79 #  | 2 1/2" x 2 1/2" | 5.59 #  | 3 1/2" x 3 1/2" | 5.14 # | 1 1/2"     | 2.72 # | "           | "      |
| "                  | 7' to 12'    | 13' to 24'  | 3 1/2"    | 9.11 #  | 3 1/2" x 3 1/2" | 8.14 #  | "               | "      | 2"         | 3.65 # | "           | "      |
| "                  | 13' to 18'   | 25' to 36'  | 6"        | 18.97 # | 6" x 6"         | 18.82 # | "               | "      | "          | "      | 2" x 2"     | 4.31 # |

AS-BUILT PLANS

INITIALS    DATE 6/25/18



TYPICAL TRUSS ROD TIGHTENERS

| REVISIONS |                    |        |
|-----------|--------------------|--------|
| Date      | Description        | By     |
| 3/1/83    | Revised Gen. Notes | WJF/HK |
|           |                    |        |
|           |                    |        |
|           |                    |        |

State of Alaska  
Department of Transportation  
& Public Facilities

CHAIN LINK  
FENCE GATE

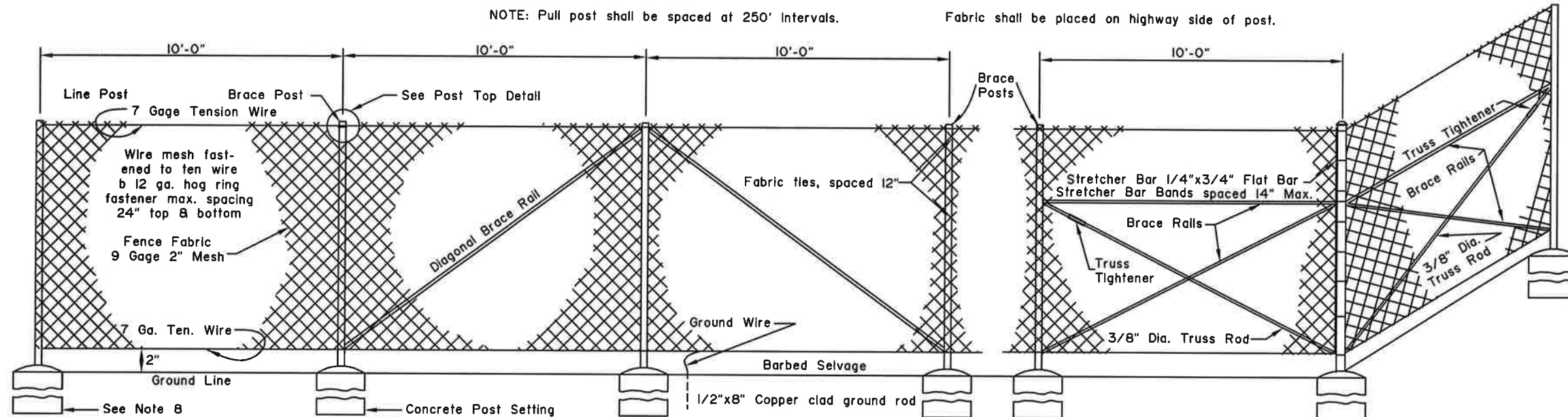
APPROVED  
7/15/82

Date



## GENERAL NOTES:

1. Posts shall be spaced equal distances apart. Maximum spacing shall be 10 feet unless directed otherwise by the Engineer.
2. Post tops shall be securely fastened to post.
3. Brace rails and truss rods shall be securely fastened to post with brace bands with threaded take-up adaptor for truss rods.
4. Ground wire shall be attached to fence fabric by means of a split bolt.
5. Fabric shall be stretched to a smooth uniform appearance.
6. Details shown indicate general design and dimensions may vary among manufacturers.
7. For fence gate details, see Standard Drawing Chain Link Fence Gate.
8. Line post shall be set in concrete unless shown otherwise on the plans.

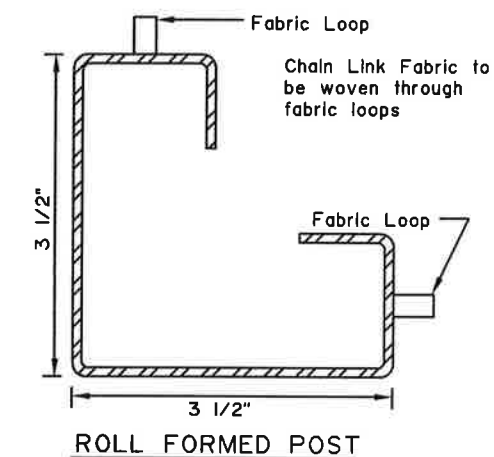


TYPICAL FENCE SECTION

TYPICAL PULL POST

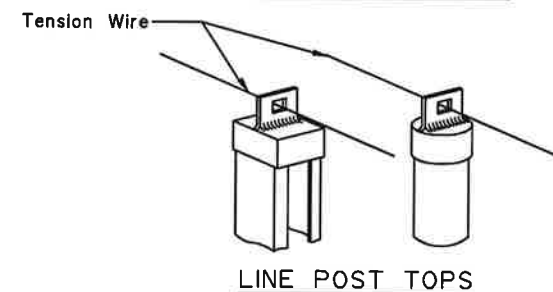
TYPICAL CORNER OR TERMINAL POST

## AS-BUILT PLANS

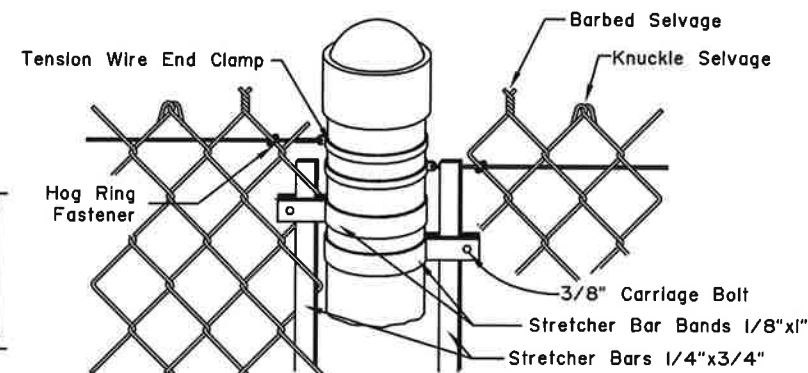
INITIALS *AB* DATE 6/25/19

ROLL FORMED POST

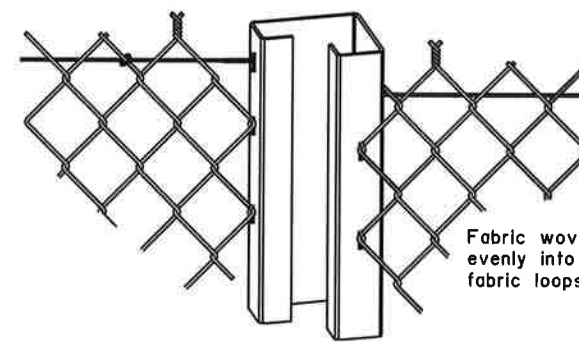
C POST

ROLL FORMED  
BRACE

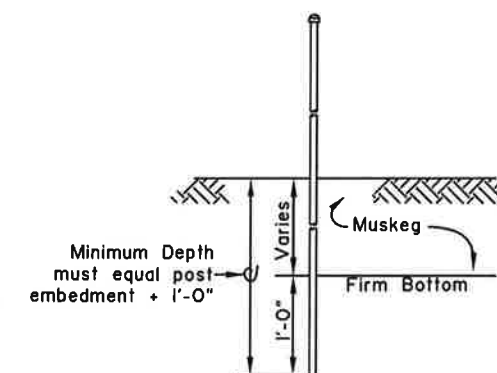
LINE POST TOPS



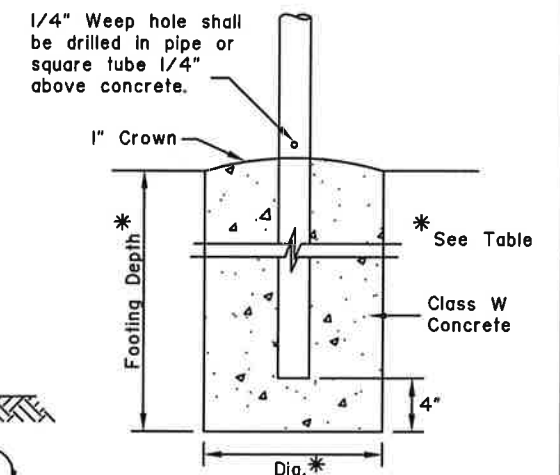
PIPE STYLE POST TOP



ROLL FORMED POST TOP

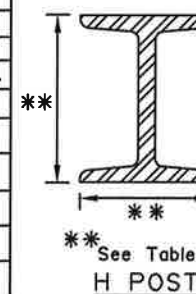


POST SETTING IN MUSKEG AREAS



CONCRETE POST SETTING

| FABRIC<br>HEIGHT | POST            |        |               |        |               |        |         |      |            |        |                 |        |         |     | TOP OR BRACE RAIL |        |             |        |                 |        |               |        | ALTERNATE POST |  |
|------------------|-----------------|--------|---------------|--------|---------------|--------|---------|------|------------|--------|-----------------|--------|---------|-----|-------------------|--------|-------------|--------|-----------------|--------|---------------|--------|----------------|--|
|                  | END-CORNER-PULL |        |               |        |               |        |         |      | LINE-BRACE |        |                 |        |         |     |                   |        |             |        |                 |        |               |        | LINE-BRACE     |  |
|                  | PIPE            |        | SQUARE TUBE   |        | ROLL FORMED   |        | FOOTING |      | PIPE       |        | C POST          |        | FOOTING |     | PIPE              |        | ROLL FORMED |        | H POST          |        | H POST        |        |                |  |
|                  | SIZE            | WT/FT. | SIZE          | WT/FT. | SIZE          | WT/FT. | DEPTH   | DIA. | SIZE       | WT/FT  | SIZE            | WT/FT. | DEPTH   | DIA | SIZE              | WT/FT. | SIZE        | WT/FT. | SIZE            | WT/FT. | SIZE          | WT/FT. |                |  |
| 3'               | 2"              | 3.65#  | 2" x 2"       | 4.31 # | 3 1/2"x3 1/2" | 4.84#  | 40"     | 10"  | 1 1/2"     | 2.72 # | 1 7/8"x1 5/8"   | 2.28 # | 28"     | 10" | 1 1/4"            | 2.27#  | 1 5/8"      | 1.35#  | 1 1/2"x 1 5/16" | 2.27 # | 1 7/8"x1 5/8" | 2.72 # |                |  |
| 4'               | "               | "      | "             | "      | "             | "      | "       | "    | "          | "      | "               | "      | "       | "   | "                 | "      | "           | "      | "               | "      | "             | "      |                |  |
| 5'               | 2"              | 3.65#  | 2" x 2"       | 4.31 # | 3 1/2"x3 1/2" | 4.84#  | 40"     | 10"  | 1 1/2"     | 2.72 # | 1 7/8"x1 5/8"   | 2.28 # | 28"     | 10" | "                 | "      | "           | "      | "               | "      | 1 7/8"x1 5/8" | 2.72 # |                |  |
| 6'               | 2 1/2"          | 5.79#  | 2 1/2"x2 1/2" | 5.59#  | 3 1/2"x3 1/2" | 4.84#  | 48"     | 15"  | 2"         | 3.65 # | 2 1/4"x1 45/64" | 2.64 # | 40"     | 12" | "                 | "      | "           | "      | "               | "      | 2 1/4"x2"     | 4.1#   |                |  |
| 7'               | "               | "      | "             | "      | "             | "      | "       | "    | "          | "      | "               | "      | "       | "   | "                 | "      | "           | "      | "               | "      | "             | "      |                |  |
| 8'               | 2 1/2"          | 5.79#  | 2 1/2"x2 1/2" | 5.59#  | 3 1/2"x3 1/2" | 4.84#  | 48"     | 15"  | 2"         | 3.65 # | 2 1/4"x1 45/64" | 2.64 # | 40"     | 12" | "                 | "      | "           | "      | "               | "      | 2 1/4"x2"     | 4.1#   |                |  |

State of Alaska  
Department of Transportation  
& Public Facilities

## CHAIN LINK FENCE



Date 7/15/82