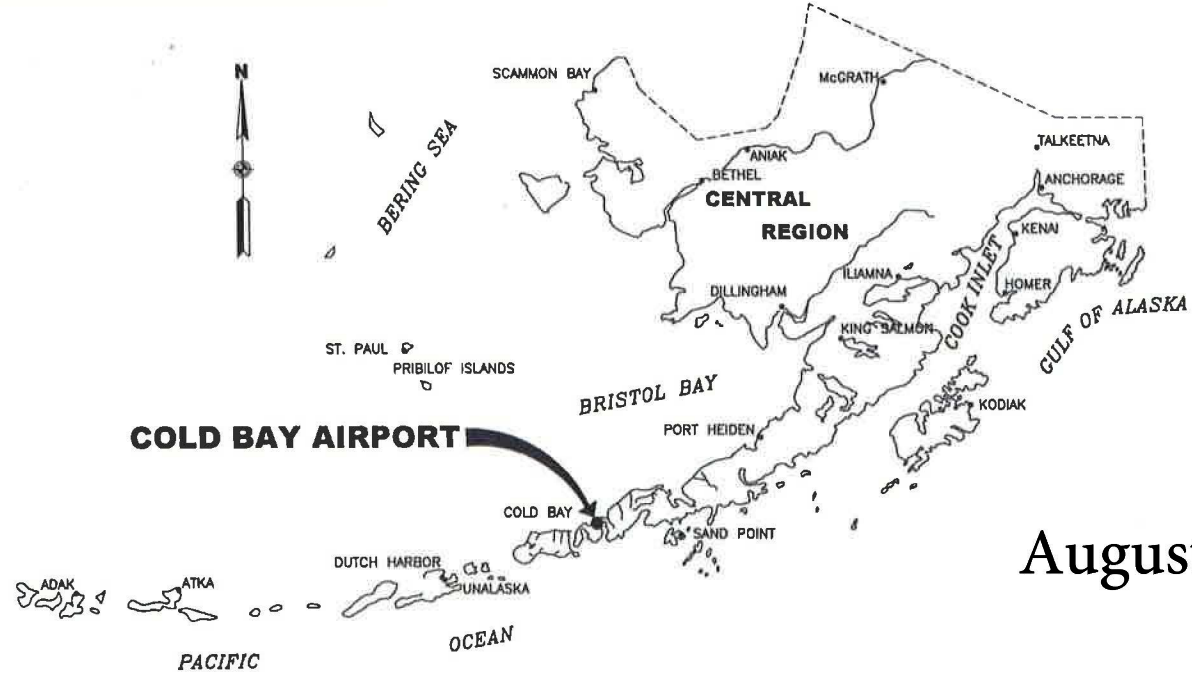
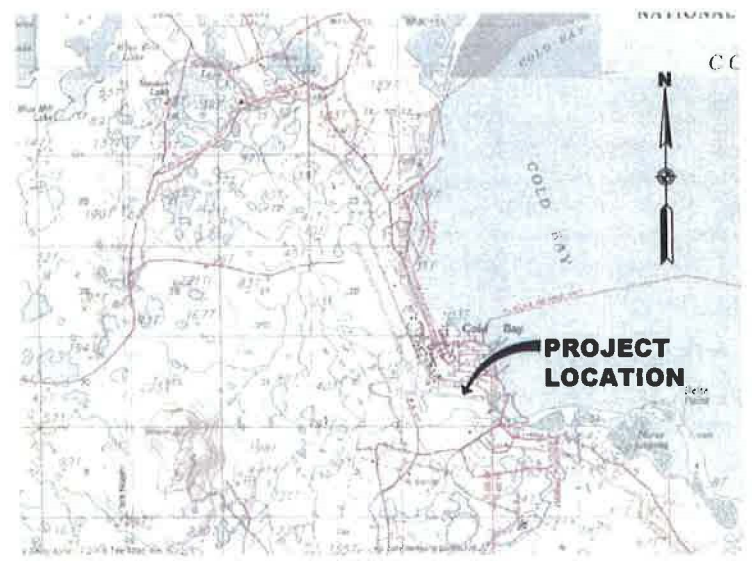


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 Project: 3-02-0065-011-2016
 Title: COLD BAY AIRPORT IMPROVEMENTS 2016
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**ALASKA CENTRAL REGION
LOCATION MAP**



VICINITY MAP
 T57S, R88W, SECTIONS 23, 24, 25, 26, 35, & 36
 SEWARD MERIDIAN
 USGS COLD BAY, ALASKA
 1" = 1 MILE

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

**CONSTRUCTION PLANS
COLD BAY AIRPORT
COLD BAY, ALASKA**

**COLD BAY AIRPORT IMPROVEMENTS
2016**

August 22, 2016

**MAIN RUNWAY REHABILITATION
PROJECT NO. Z537540000
A.I.P. No. 3-02-0065-011-2016**

**CROSSWIND IMPROVEMENTS
PROJECT NO. Z573290000
A.I.P. No. 3-02-0065-011-2016**

AS-BUILT PLANS

Initials: _____ Date: 2/21/18

Contractor: LENIX CONSTRUCTION

Date Started: 10/3/16

Date Completed: 10/18/17

Project Engineer* (printed): KIM STEED

Project Engineer* (signature): *Kim Steed*

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

CONCUR *Pat Coffey FOR* DATE 5/25/16
 MICHAEL J. COFFEY SOUTHCOAST REGION DIRECTOR

APPROVED *Kenneth M. Morton* DATE 5/19/16
 KENNETH M. MORTON, P.E. REGIONAL PRECONSTRUCTION ENGINEER

APPROVED *Wolfgang E. Junge* DATE 5/17/16
 WOLFGANG E. JUNGE, P.E. DESIGN SECTION CHIEF

APPROVED *Morgan P. Merritt* DATE 5/17/16
 MORGAN P. MERRITT, P.E. PROJECT MANAGER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION			COLD BAY AIRPORT COLD BAY, ALASKA COLD BAY AIRPORT IMPROVEMENTS 2016 PROJECT Nos. Z537540000 & Z573290000 AIP No. 3-02-0065-011-2016 TITLE SHEET	DATE: 5/13/2016
				SHEET: 1 OF 97
BY	DATE	REVISION		

Date Revised: 5/16/2016, 10:28 AM
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 Designed By: MM
 Drawn By: JMC
 Checked By: EUG

LEGEND

PROPOSED	EXISTING	DESCRIPTION
		EDGE OF EMBANKMENT
		EDGE OF PAVEMENT
		PAVEMENT REMOVAL
		STAGING AREA
		HAUL ROUTE
		PAPI
		SAWCUT
		CUT SLOPE LIMITS
		FILL SLOPE LIMITS
		BUILDING
		CULVERT
		TOWER
		RUNWAY LIGHT
		TAXIWAY LIGHT
		THRESHOLD LIGHT
		R/W APPROACH LIGHT
		R/W END LIGHT
		U.G. ELECTRIC VAULT
		U.G. ELECTRIC JUNCTION BOX
		RUNWAY NAVAID SIGN
		VASI
		WIND SOCK
		AIRPORT BOUNDARY
		AIRPORT TRACT BOUNDARY
		R/W CENTERLINE
		BUILDING RESTRICTION LINE (BRL)
		FENCE
		UNDERGROUND ELECTRIC LINE
		UNDERGROUND COMM. LINE
		FUEL LINE
		RUNWAY SAFETY AREA
		OBSTACLE FREE ZONE
		OBJECT FREE AREA

ABBREVIATIONS

AC	ASPHALT CEMENT
AIP	AIRPORT IMPROVEMENT PROGRAM
AOA	AIRPORT OPERATIONS AREA
AWOS	AUTOMATED WEATHER OBSERVATION SYSTEM
BM	BENCHMARK
BOP	BEGINNING OF PROJECT
BRL	BUILDING RESTRICTION LINE
CDB	COLD BAY AIRPORT
CL	CENTERLINE
COMM	COMMUNICATION
CSPP	CONSTRUCTION SAFETY PHASING PLAN
CY	CUBIC YARD
DOT&PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
EA	EACH
EG	EXISTING GROUND
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
ESCP	EROSION SEDIMENT CONTROL PLAN
EXIST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FG	FINISH GRADE
FT	FEET
GAL	GALLON
GCP	GENERAL CONTRACT PROVISIONS
GPS	GLOBAL POSITIONING SYSTEM
H	HORIZONTAL
HMA	HOT MIX ASPHALT
IN	INCH
LB	POUNDS
LBC	LIGHT BAR CAN
LF	LINEAR FEET
LT	LEFT
M-GAL	THOUSAND GALLONS
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY INDICATOR LIGHTS
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
MPH	MILES PER HOUR
NAD83	NORTH AMERICAN DATUM 83
NAVD88	NORTH AMERICAN VERTICAL DATUM 88
NGS	NATIONAL GEODETIC SURVEY
NOTAM	NOTICE TO AIRMEN
N.T.S.	NOT TO SCALE
OFA	OBJECT FREE AREA
OFZ	OBSTACLE FREE ZONE
PACS	PRIMARY AIRPORT CONTROL STATION
PAPI	PRECISION APPROACH PATH INDICATOR
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RAP	RECYCLED ASPHALT PAVEMENT
RD	ROAD
REIL	RUNWAY END IDENTIFIER LIGHTS
REQ'D	REQUIRED
RPZ	RUNWAY PROTECTION ZONE
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RVZ	RUNWAY VISIBILITY ZONE
RW	RUNWAY
SF	SQUARE FEET
STA	STATION
SY	SQUARE YARD
TW	TAXIWAY
TYP	TYPICAL
UG	UNDERGROUND
V	VERTICAL
VASI	VISUAL APPROACH SLOPE INDICATOR
W/	WITH

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NOTES:
 1. SEE ELECTRICAL SHEETS FOR ELECTRICAL LEGEND.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION			COLD BAY AIRPORT COLD BAY, ALASKA COLD BAY AIRPORT IMPROVEMENTS 2016 PROJECT Nos. Z537540000 & Z573290000 AIP No. 3-02-0065-011-2016 LEGEND & INDEX		DATE: 5/13/2016
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BY	DATE	REVISION			

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 Drawn By: C. SLATTEN
 Checked By: B. HANSON

ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
D-701a	CPP SMOOTH INTERIOR PIPE, 24 INCH	LINEAR FOOT	250
F-162a	8-FOOT CHAIN-LINK FENCE	LINEAR FOOT	1,400
F-162d	27-FOOT SINGLE CANTILEVER GATE	EACH	2
F-162f	4-FOOT PEDESTRIAN GATE (W/KEYLESS LOCK)	EACH	1
F-171a	POWER GATE OPERATOR SYSTEM	EACH	2
G-100a	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
G-115a	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
G-130a	FIELD OFFICE	LUMP SUM	ALL REQUIRED
G-130b	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
G-130g	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
G-130j	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED
G-131a	ENGINEERING TRANSPORTATION (TRUCK)	EACH	3
G-135a	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED
G-135b	EXTRA THREE PERSON SURVEY PARTY	HOUR	72
G-150a	EQUIPMENT RENTAL	HOUR	48
G-300a	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
G-700a	AIRPORT FLAGGER	CONTINGENT SUM	ALL REQUIRED
G-705a	WATERING FOR DUST CONTROL	M-GAL	2,500
G-710b	HIGHWAY FLAGGER	CONTINGENT SUM	ALL REQUIRED
L-100c(1)	HIGH INTENSITY RUNWAY EDGE AND THRESHOLD LIGHT, L-862 AND L-862E	EACH	108
L-100e(1)	TAXIWAY EDGE LIGHT, L-861T	EACH	97
L-100h	REMOVE EXISTING RUNWAY AND TAXIWAY LIGHT	EACH	174
L-100k	FLUSH RUNWAY EDGE LIGHT, L-850C	EACH	10
L-100n	AIRPORT SIGN, TYPE L-858	EACH	10
L-100r	TEMPORARY RUNWAY LIGHTING SYSTEM	LUMP SUM	ALL REQUIRED
L-100y	REMOVE AIRPORT SIGN	EACH	7
L-100ap	SPARE PARTS	LUMP SUM	ALL REQUIRED
L-107a	8-FOOT LIGHTED WIND CONE, IN PLACE	EACH	1
L-108a	UNDERGROUND CABLE #8 AWG, COPPER, 5kv FAA TYPE "C", L-824	LINEAR FOOT	45,055
L-108c	#6 BARE COPPER GROUND CONDUCTOR	LINEAR FOOT	28,488
L-108g	GROUND ROD	EACH	26
L-108h	UNDERGROUND CABLE #14 AWG, 2 CONDUCTOR, COPPER, 600 V, TYPE "SOOW-A/SOOW"	LINEAR FOOT	441
L-108r	TEMPORARY JUMPER	LINEAR FOOT	8,000
L-109d	INSTALLATION OF ELECTRICAL EQUIPMENT IN NEW OR EXISTING STRUCTURE	LUMP SUM	ALL REQUIRED
L-110a	2-INCH RIGID STEEL CONDUIT	LINEAR FOOT	1,959
L-110c	2-INCH PVC CONDUIT	LINEAR FOOT	28,073
L-135a	RELOCATE POWER AND TELEPHONE	LUMP SUM	ALL REQUIRED
P-152a	UNCLASSIFIED EXCAVATION	CUBIC YARD	24,890
P-152h(2)	BORROW MEASURED IN FINAL POSITION	CUBIC YARD	5,200

ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
P-152ag	DITCH LINEAR GRADING	LINEAR FOOT	4,450
P-152ah	RSA SPECIAL GRADING	SQUARE YARD	27,810
P-154b	SUBBASE COURSE	TON	38,780
P-157a	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
P-157c	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
P-157e	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
P-161e	RECYCLED ASPHALT PAVEMENT PLACEMENT	CUBIC YARD	6,720
P-162a	PAVEMENT COLD PLANING	SQUARE YARD	169,700
P-165a	REMOVAL OF STRUCTURES	LUMP SUM	ALL REQUIRED
P-208c	CRUSHED AGGREGATE SURFACE COURSE	TON	1,420
P-209b	CRUSHED AGGREGATE BASE COURSE	TON	10,095
P-310a	FOAMED ASPHALT STABILIZED BASE COURSE	SQUARE YARD	18,600
P-310b	ASPHALT CEMENT	TON	300
P-310c	PORTLAND CEMENT	TON	180
P-401a	HOT MIX ASPHALT TYPE V, CLASS S	TON	24,765
P-401b	HOT MIX ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P-401c	ASPHALT CEMENT, PG 58-28	TON	1,365
P-401e	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P-603a	TACK COAT, STE-1	TON	75
P-620c	RUNWAY AND TAXIWAY PAINTING	LUMP SUM	ALL REQUIRED
P-620f	PAINTED MARKING REMOVAL	LUMP SUM	ALL REQUIRED
P-621a	SAW-CUT GROOVES	SQUARE YARD	169,700
P-640b	SEGMENTED CIRCLE (PANEL-TYPE)	LUMP SUM	ALL REQUIRED
P-661a	STANDARD SIGN	SQUARE FOOT	44
P-670a	HAZARD MARKER BARRIER, PLASTIC	EACH	100
P-671a	RUNWAY CLOSURE MARKER, TEMPORARY ILLUMINATED PANEL	EACH	3
P-681a	GEOTEXTILE, SEPARATION	SQUARE YARD	34,310

ESTIMATING FACTORS		
ITEM NO.	PAY ITEM	ESTIMATING FACTOR
P-154b	SUBBASE COURSE	145 LB/CF
P-209b	CRUSHED AGGREGATE BASE COURSE	145 LB/CF
P-310a	FOAMED ASPHALT STABILIZED BASE COURSE	140 LB/CF
P-310b	ASPHALT CEMENT	2.5% BY WEIGHT OF P-310a
P-310c	PORTLAND CEMENT	1.5% BY WEIGHT OF P-310a
P-401a	HOT MIX ASPHALT TYPE V, CLASS S	150 LB/CF
P-401c	ASPHALT CEMENT, PG 58-28	5.5% BY WEIGHT OF P-401a



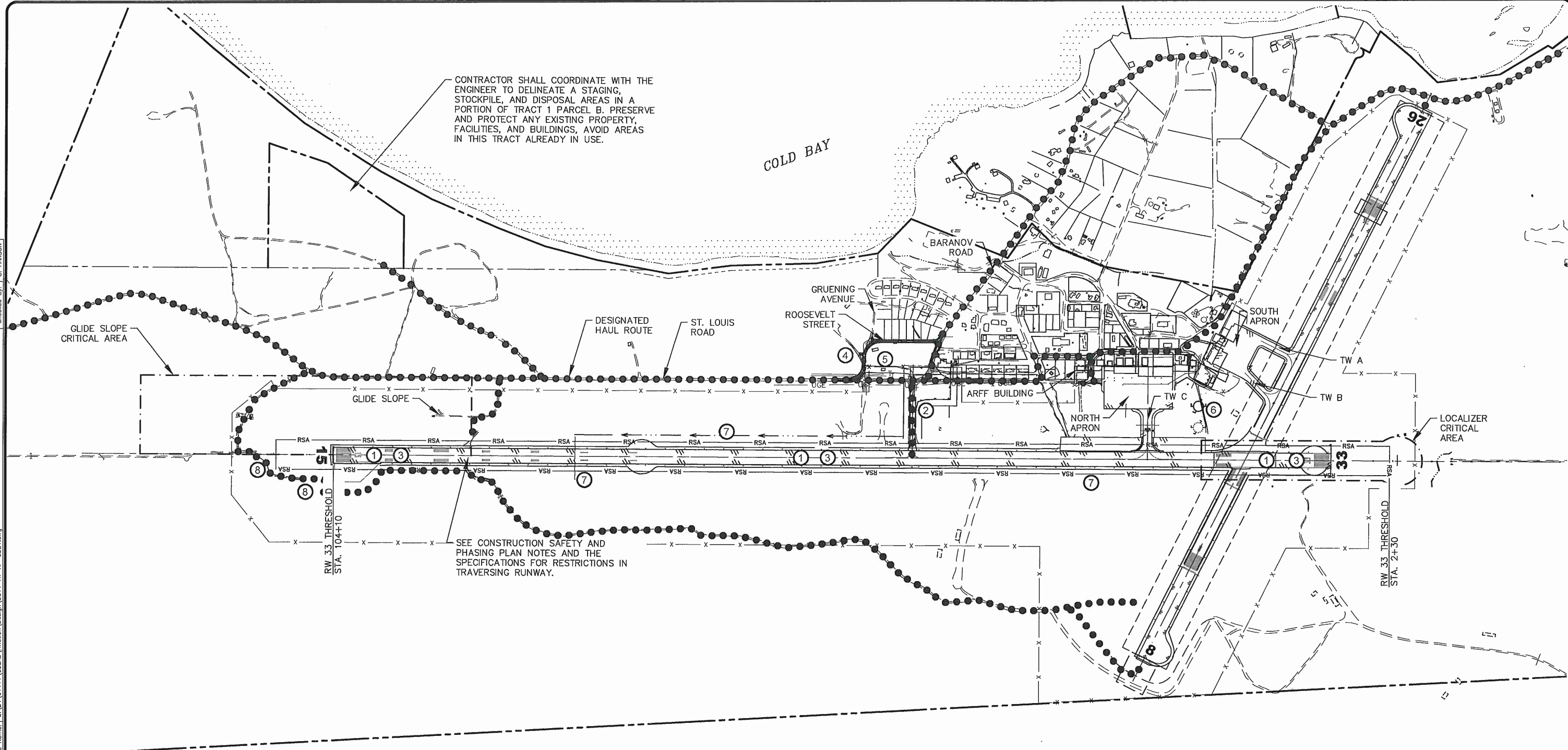
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BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 ESTIMATE OF QUANTITIES, ESTIMATING
 FACTORS, & SUMMARY TABLES

DATE: 6/16/2016
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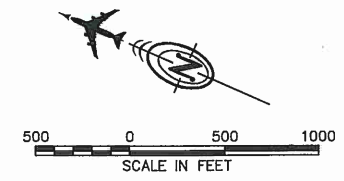


GENERAL NOTES

- EXISTING GROUND CONTOURS ARE BASED ON A 2006 BASE MAP PROVIDED BY DOT&PF AND A 2012 TOPOGRAPHIC SURVEY PERFORMED BY DOWL.
- SOILS INFORMATION IS DERIVED FROM SOILS INVESTIGATIONS PERFORMED BY DOT&PF AND A GEOTECHNICAL EXPLORATION PERFORMED BY DOWL IN 2012.
- LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED ON APPROXIMATIONS FROM AIRPORT MAINTENANCE STAFF, DOWL FIELD SURVEY, AND AS-BUILT RECORDS PROVIDED BY DOT&PF.
- VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. RECORD LOCATIONS AND CHANGES TO UTILITIES IN SURVEY NOTES AND ON AS BUILT DRAWINGS.
- ELEVATIONS SHOWN ARE TO PIPE INVERT, FLOW LINE, OR FINISH PAVEMENT SURFACE UNLESS OTHERWISE NOTED.

SCOPE OF PROJECT

- RW 15/33 PAVEMENT REHABILITATION
- AEB TERMINAL BUILDING APRON AND TW CONSTRUCTION
- RW 15/33 AND TW LIGHTING REPLACEMENT
- ROOSEVELT STREET RECONSTRUCTION
- AIRPORT FENCING RELOCATION
- SEGMENTED CIRCLE Δ
- RSA REGRADING AND COMPACTION
- EROSION PROTECTION







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BY	DATE	REVISION

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION**

**COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. Z537540000
AIP No. 3-02-0065-011-2016
PROJECT LAYOUT PLAN**

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SHEET: 5R OF 97
AS-BUILT SHEET:

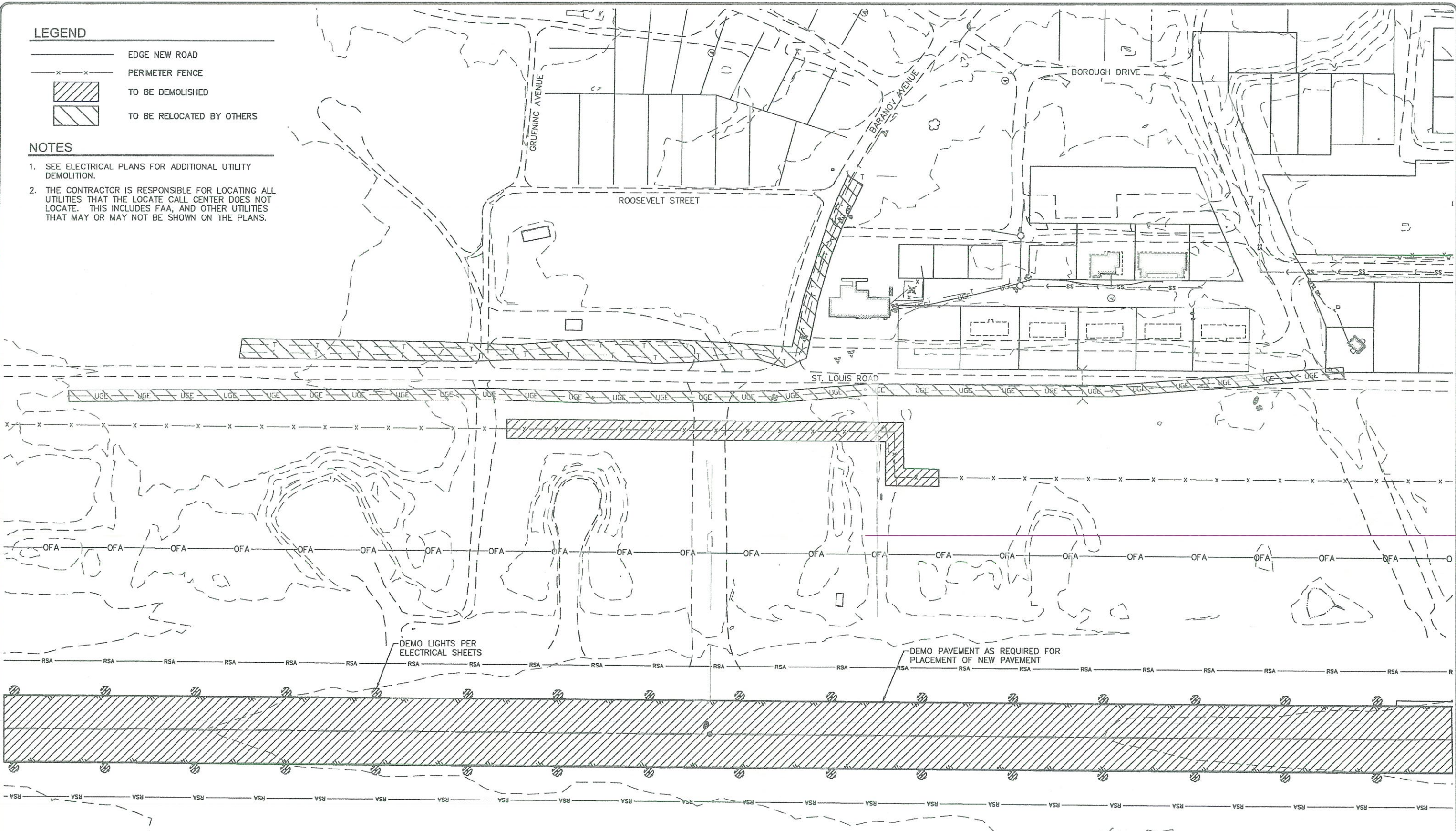
LEGEND

-  EDGE NEW ROAD
-  PERIMETER FENCE
-  TO BE DEMOLISHED
-  TO BE RELOCATED BY OTHERS

NOTES

1. SEE ELECTRICAL PLANS FOR ADDITIONAL UTILITY DEMOLITION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES THAT THE LOCATE CALL CENTER DOES NOT LOCATE. THIS INCLUDES FAA, AND OTHER UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.

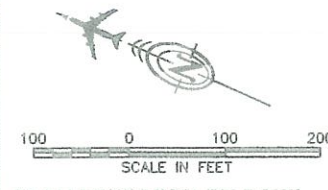
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 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



DEMO LIGHTS PER ELECTRICAL SHEETS

DEMO PAVEMENT AS REQUIRED FOR PLACEMENT OF NEW PAVEMENT

As-Built



**BEFORE YOU DIG
CALL FOR FREE
UNDERGROUND
LOCATION**

Locate Call Center of Alaska
 Anchorage Area.....278-3121
 Statewide.....800-478-3121
 who will notify subscribed utilities only.
 Other utilities need to be contacted individually.



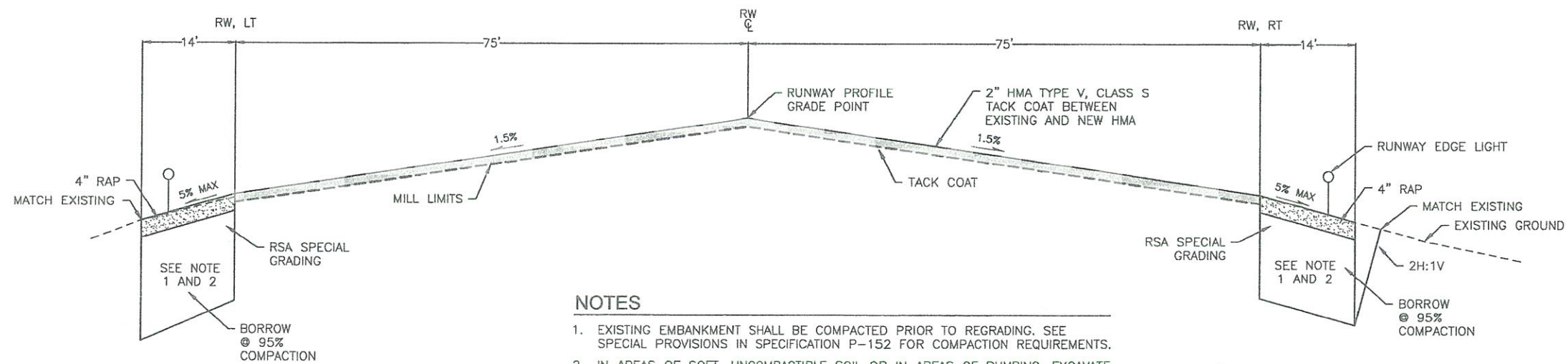
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 DEMOLITION PLAN

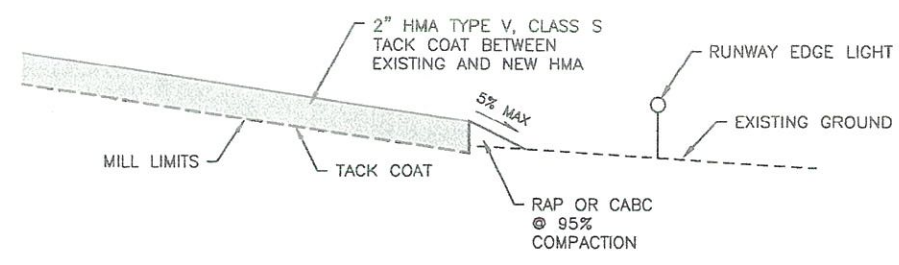
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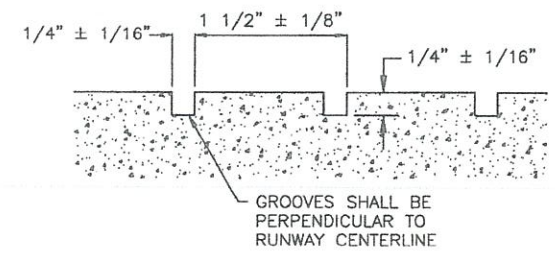


- NOTES**
- EXISTING EMBANKMENT SHALL BE COMPACTED PRIOR TO REGRADING. SEE SPECIAL PROVISIONS IN SPECIFICATION P-152 FOR COMPACTION REQUIREMENTS.
 - IN AREAS OF SOFT, UNCOMPACTIBLE SOIL OR IN AREAS OF PUMPING, EXCAVATE EXISTING MATERIAL TO A DEPTH OF 2 FEET AS DIRECTED BY THE ENGINEER.

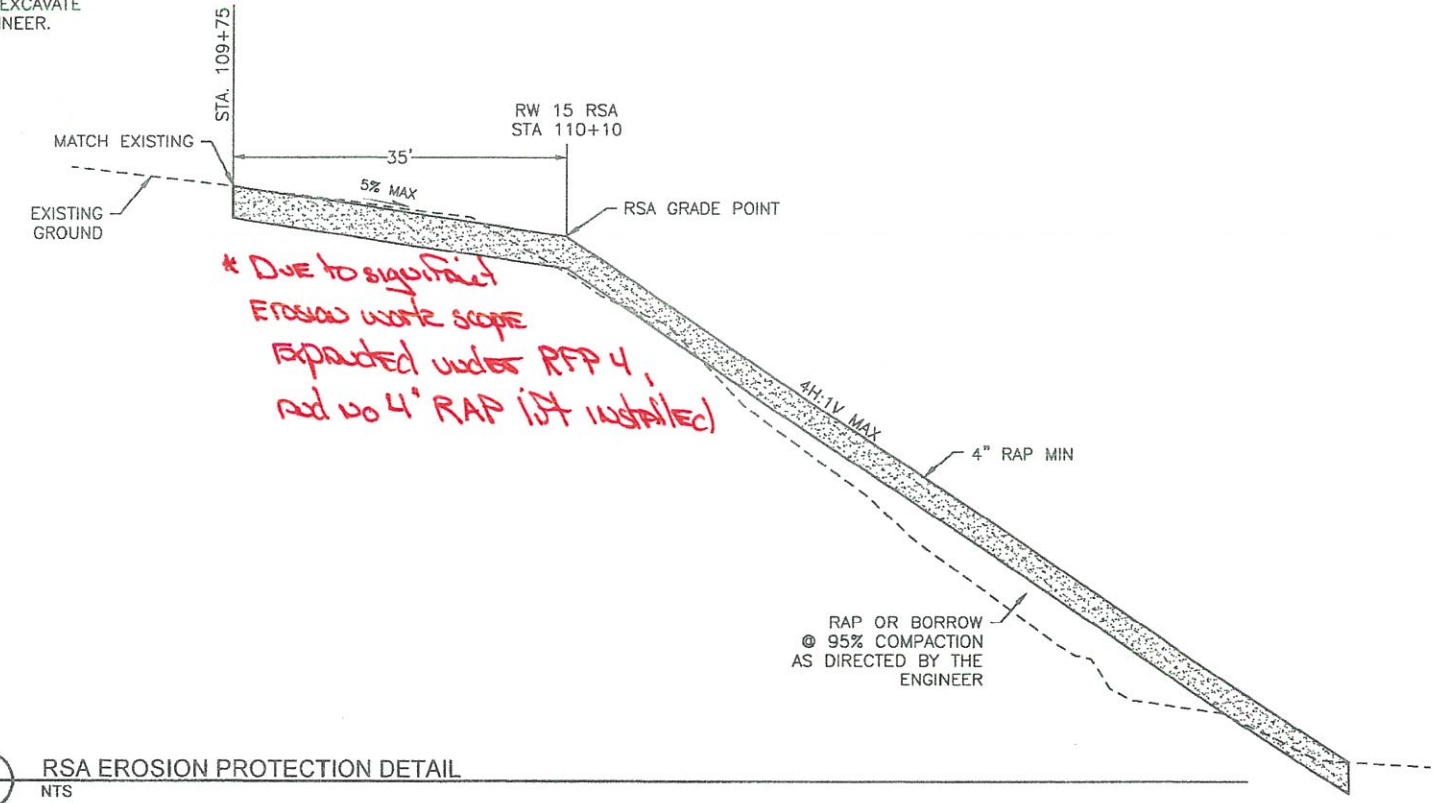
1
7
RUNWAY 15/33 RESURFACING
NTS



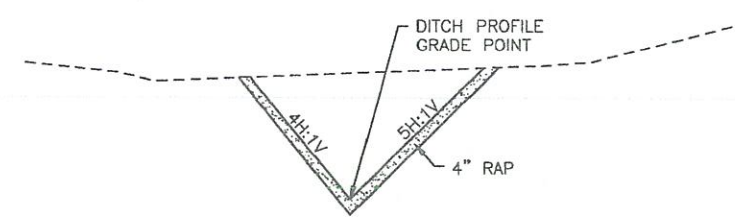
2
7
RUNWAY 15/33 PAVEMENT EDGE DETAIL
NTS



3
7
TYPICAL GROOVING SECTION
NTS



4
7
RSA EROSION PROTECTION DETAIL
NTS



5
7
SPECIAL DITCH
NTS
RUNWAY STA. 45+93.50 TO 79+50.00 220'RT
DITCH STA. 445+93.50 TO 479+50.00

As-Built



PLAN PREPARED BY DOWL

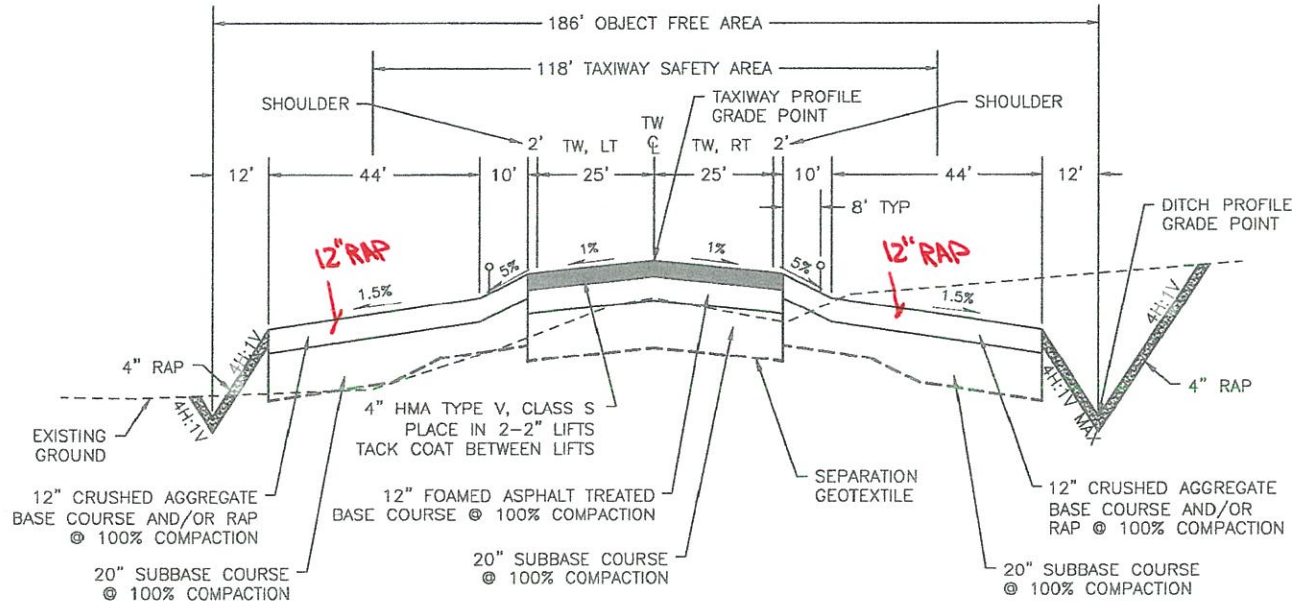
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

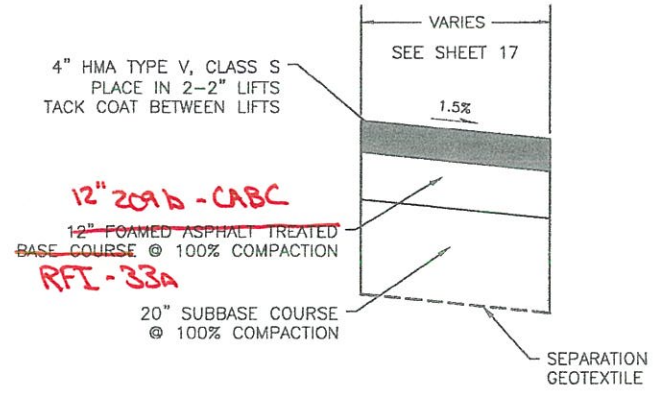
COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. Z537540000
AIP No. 3-02-0065-011-2016
TYPICAL SECTIONS
AND DETAILS

DATE: 5/3/2016
SHEET: 7 OF 97
AS-BUILT SHEET:

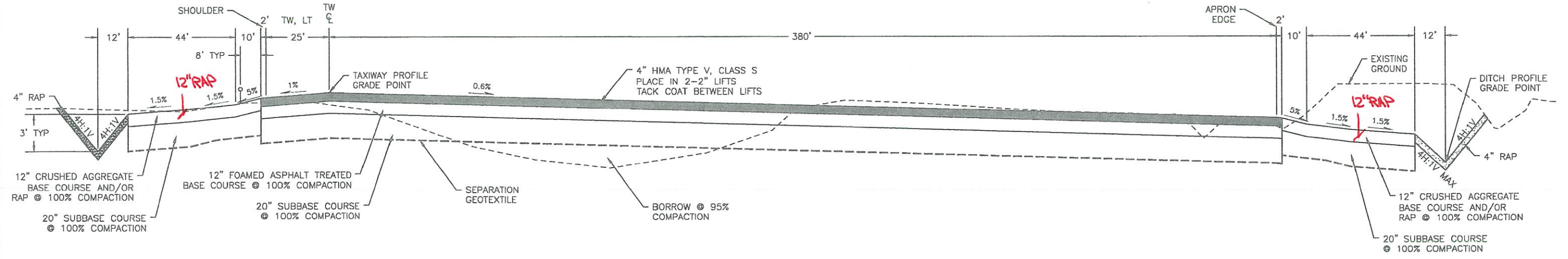
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 File Path and Name: C:\2\1\0111\ESCAD\Aviation\Design\SA11-AV-07-CDB.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



1 TAXIWAY TYPICAL SECTION
 NTS
 TW D STA. 400+74.80 TO 405+80.00



3 RUNWAY 33 PAVED SHOULDER
 NTS
 RW 15-33 STA. 2+69.21' TO 5+30.28', 75.0' RT
 RW 15-33 STA. 2+69.21' TO 5+30.28', 75.0' LT



2 APRON TYPICAL SECTION
 NTS
 TW STA. 405+80.00 TO 409+25.00

As-Built



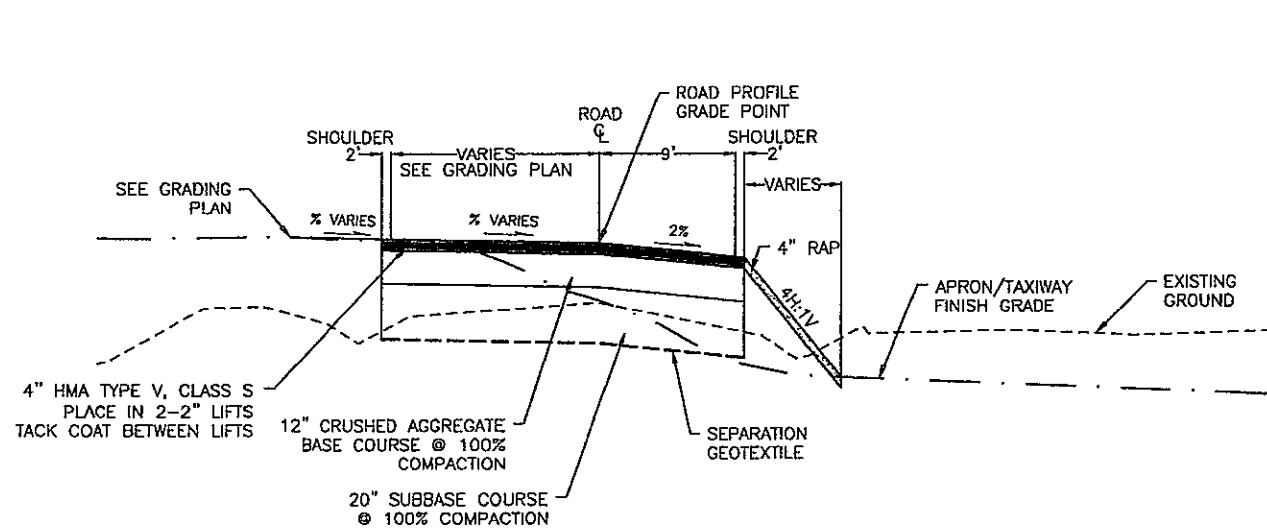
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 TYPICAL SECTIONS
 AND DETAILS

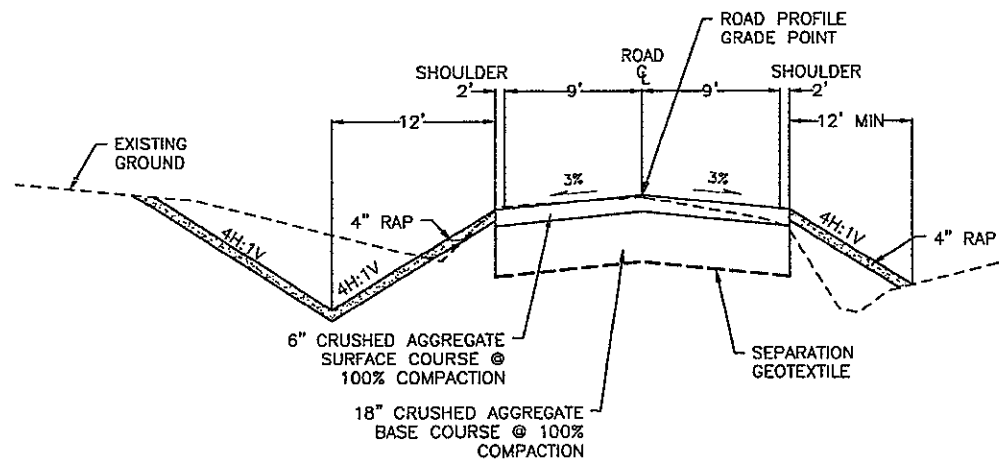
DATE: 5/3/2016
 SHEET: 8 OF 97
 AS-BUILT SHEET:

Date Revised: 5/23/2016, 2:06 PM
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 File Path and Name: G:\24\16111\16500\Amdation\Detail\SA11-AV-01-COR.dwg
 Designed By: C. WILT
 Drawn By: C. SJATTEN
 Checked By: B. HANSON



1 ACCESS ROAD PAVED APPROACHES TYPICAL SECTION

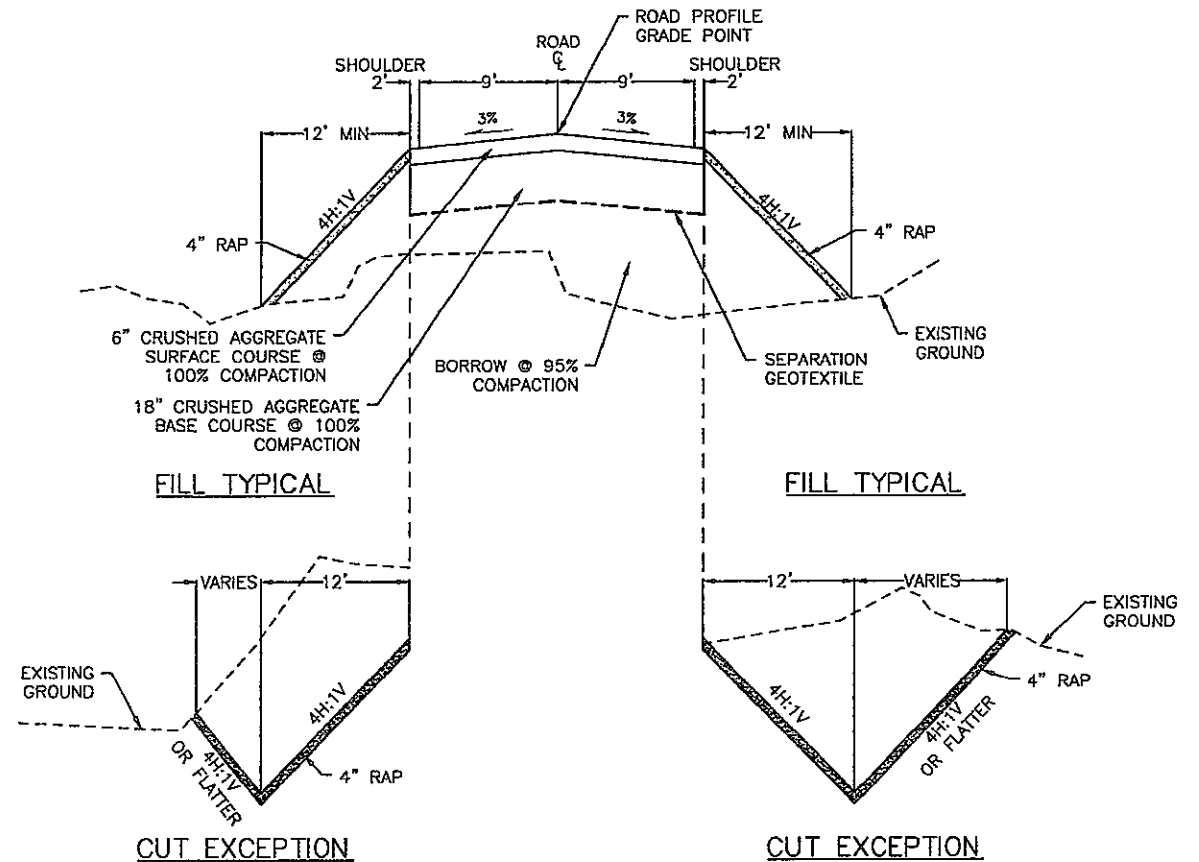
NTS
 ST. LOUIS ROAD STA. 608+82 TO 610+00
 BARANOV AVENUE STA. 300+00 TO 301+00



2 ACCESS ROAD GRAVEL TYPICAL SECTION

NTS
 ST. LOUIS ROAD STA. 610+00 TO 611+74.82
 BARANOV AVENUE STA. 301+00 TO 303+21

As-Built

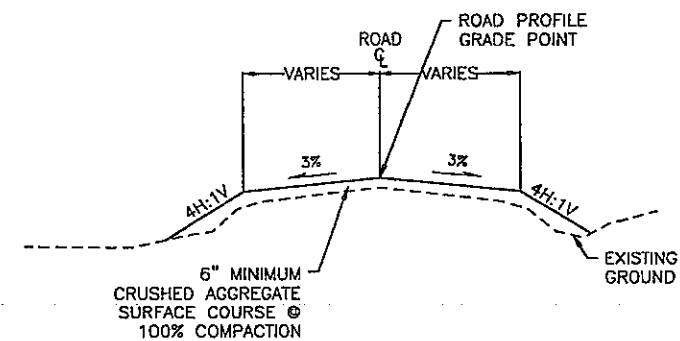


Roosevelt Street Sta. 500+45.00' to 502+15.00' LT
 Roosevelt Street Sta. 512+27.40' to 512+90.44' LT

Roosevelt Street Sta. 500+30' to 503+65' RT

3 ROOSEVELT STREET TYPICAL SECTION

NTS



4 SIDE ROADS AND TRUESDELL DRIVE TYPICAL SECTION

NTS



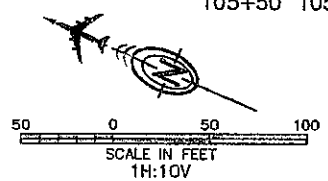
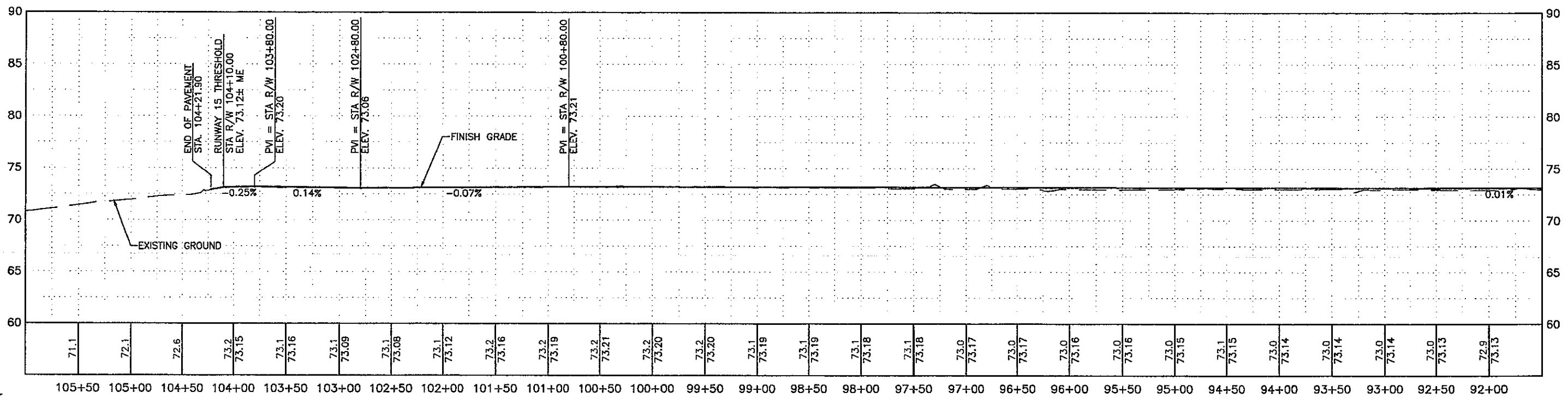
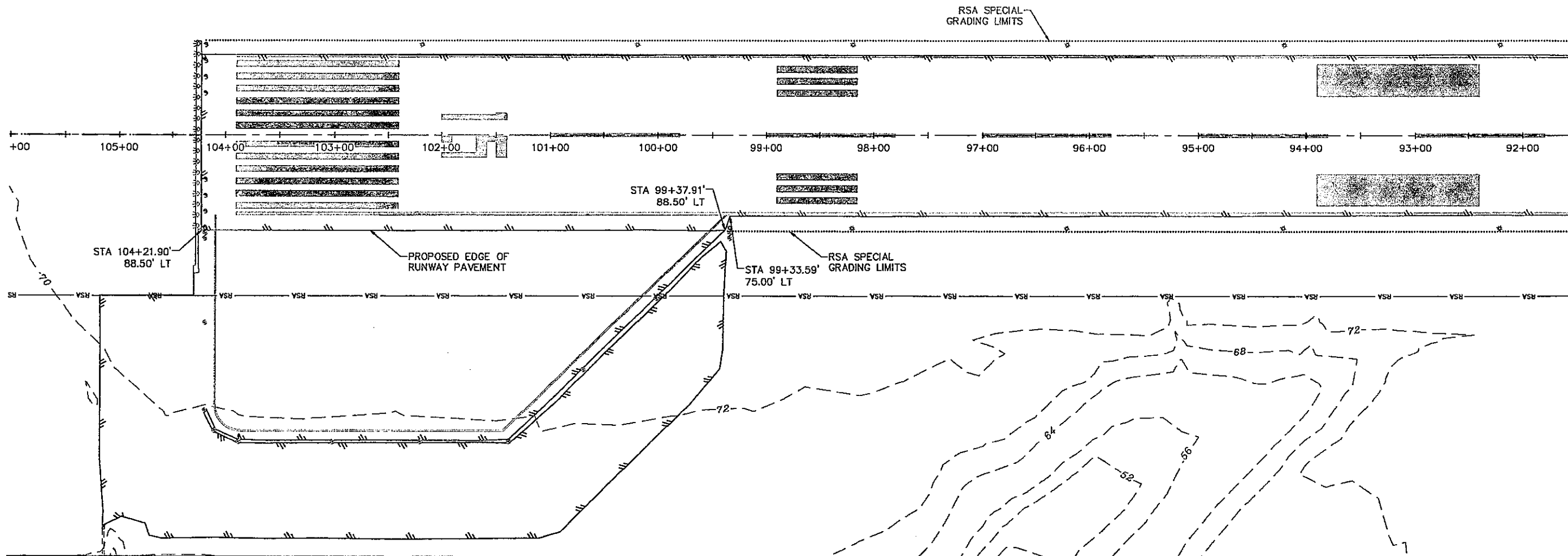
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 TYPICAL SECTIONS
 AND DETAILS

DATE: 5/3/2016
 SHEET: 9 OF 97
 AS-BUILT SHEET:

Date Revised: 3/23/2016, 2:37 PM
 Layout Name: Run and Profile Runway (10)
 File Path and Name: C:\Users\B.Manson\OneDrive\Documents\3-23-16\Runway\AS-Built.dwg
 Designed By: C. WILT
 Drawn By: C. SLATEN
 Checked By: B. MANSON



As-Built



BY	DATE	REVISION

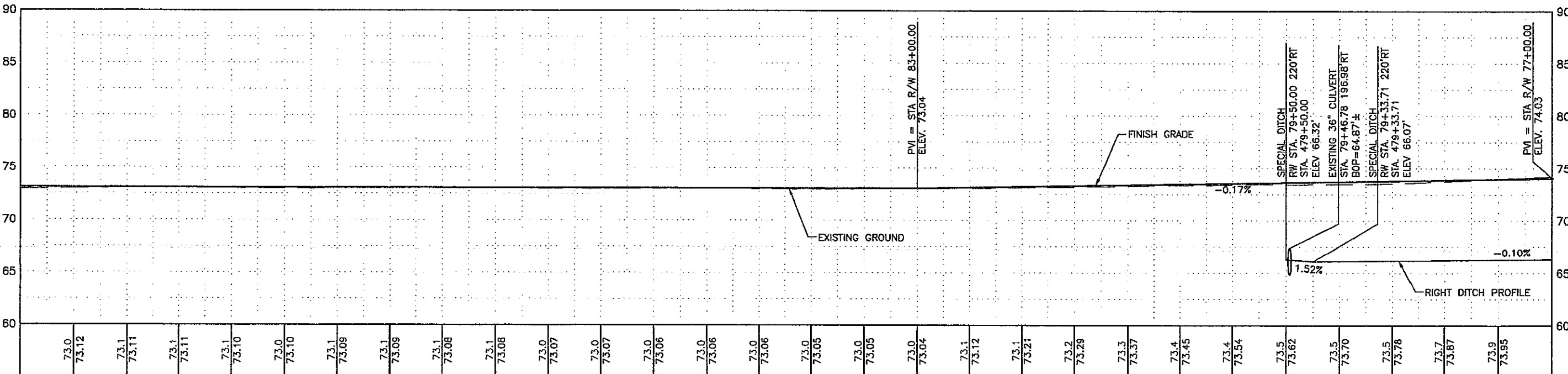
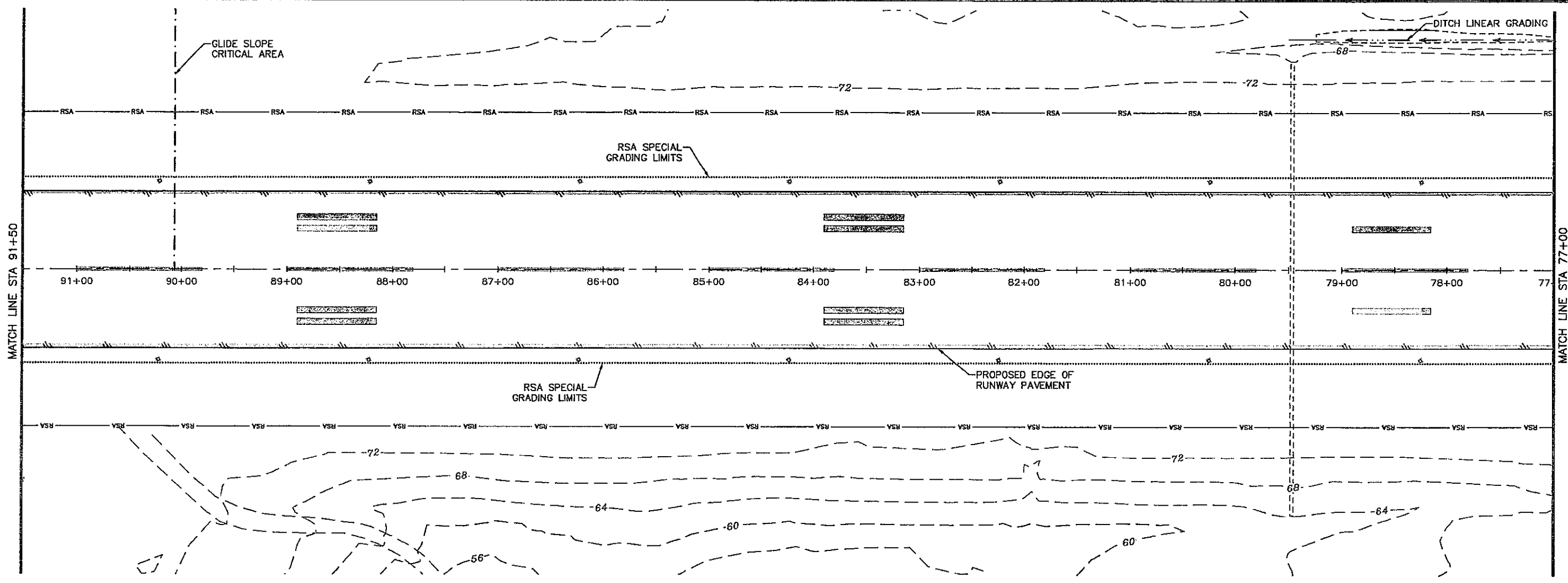
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

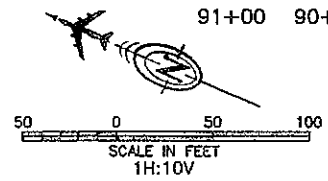
DATE: 5/3/2016
 SHEET: 10 OF 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 2:07 PM
 Designed By: C. WILT
 Layout Name: Pkg and Profile Surveys (11)
 File Path and Name: G:\316111\95600\Wellton\Design\SG1-AW-AF-CDB Lab.dwg
 Drawn By: C. WILT
 Checked By: E. HANSON



91+00	90+50	90+00	89+50	89+00	88+50	88+00	87+50	87+00	86+50	86+00	85+50	85+00	84+50	84+00	83+50	83+00	82+50	82+00	81+50	81+00	80+50	80+00	79+50	79+00	78+50	78+00	77+50																										
73.0	73.12	73.1	73.11	73.1	73.11	73.1	73.10	73.0	73.10	73.1	73.09	73.1	73.09	73.1	73.08	73.1	73.08	73.0	73.07	73.0	73.07	73.0	73.06	73.0	73.06	73.0	73.05	73.0	73.05	73.0	73.04	73.1	73.12	73.1	73.21	73.2	73.29	73.3	73.37	73.4	73.45	73.4	73.54	73.5	73.62	73.5	73.70	73.5	73.78	73.7	73.87	73.9	73.95



As-Built



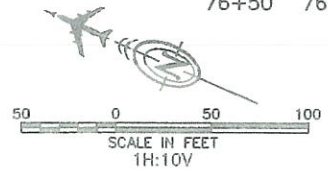
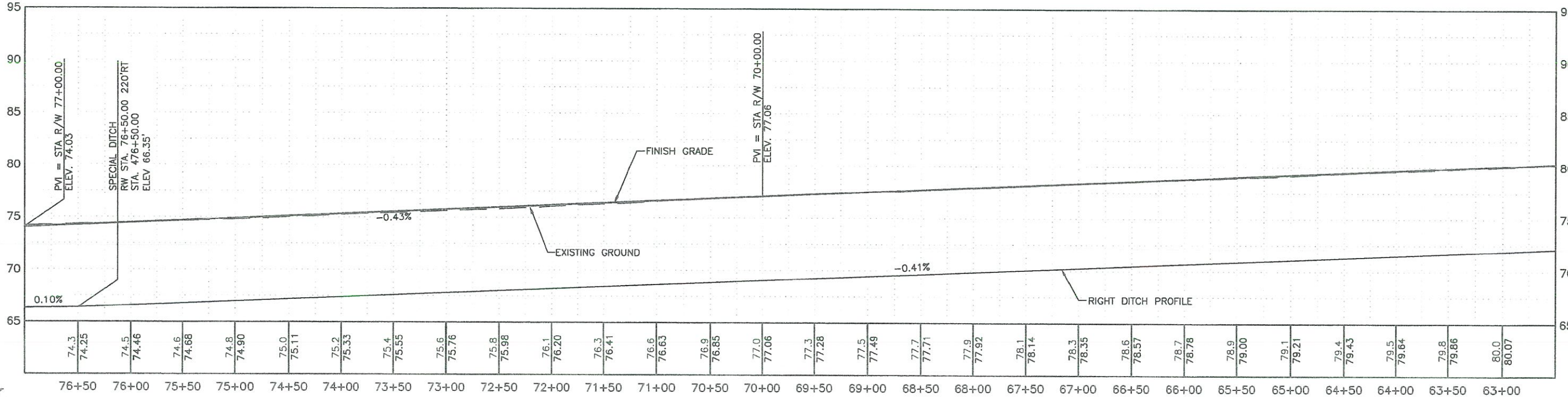
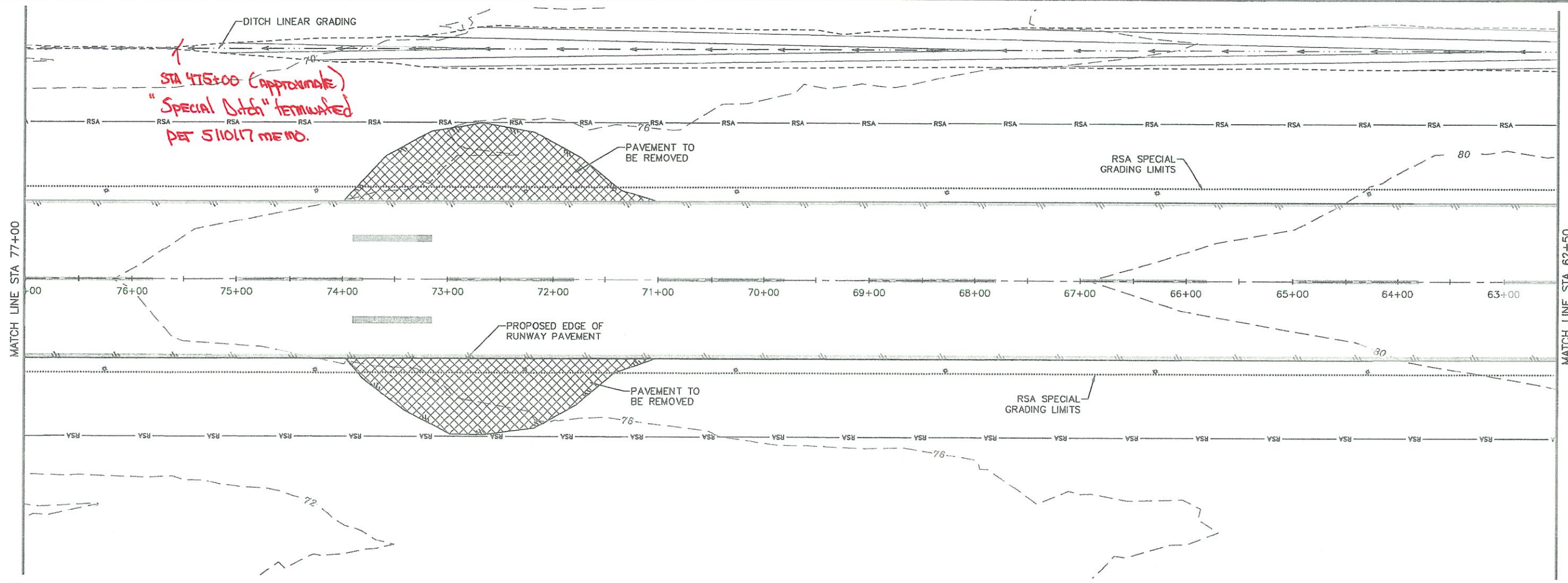
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 11 of 97
 AS-BUILT SHEET

Date Received: 5/03/2016, 2:07 PM
 Layout Name: Plan and Profile Runway (12)
 File Path and Name: G:\2A\61111\65CAD\Watson\Design\SG11-AV-AF-CDB1.dwg
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



As-Built



BY	DATE	REVISION

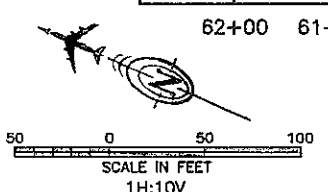
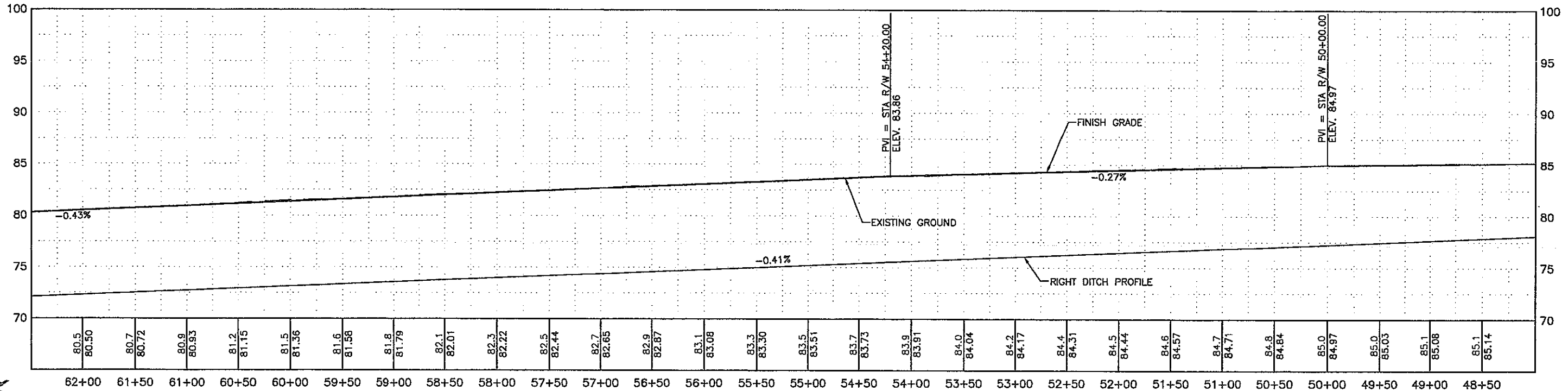
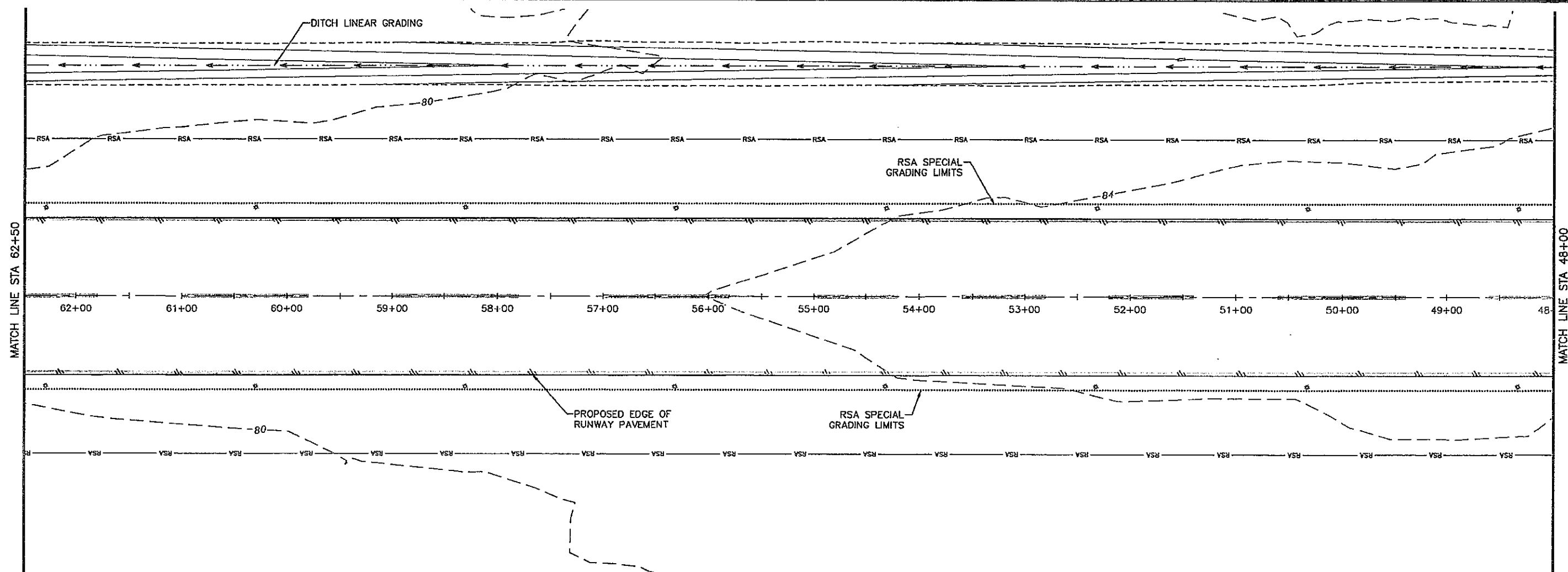
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 12 of 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/13/2016, 2:08 PM
 Designed By: C. WILT
 Layout Number: C. SVAITEN
 Project Name: COLD BAY AIRPORT
 File Path and Name: C:\2016\11\16\2016\Addition\Design\SC11-AF-CB1.dwg
 Created By: B. HANSON
 Checked By:



As-Built



BY	DATE	REVISION

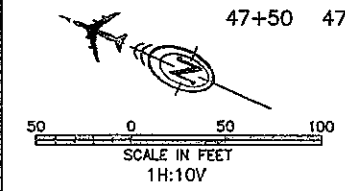
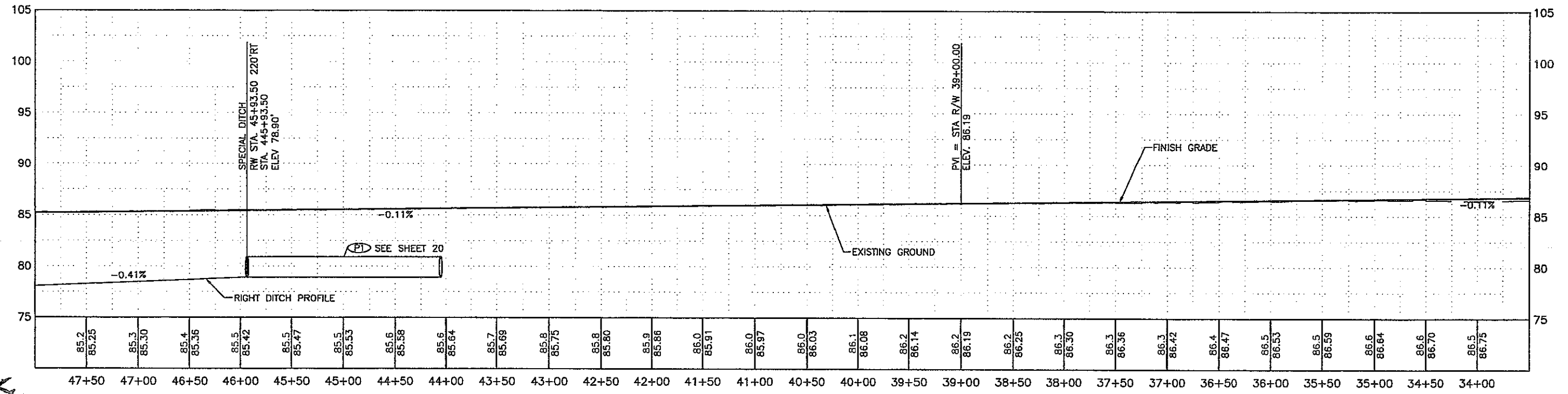
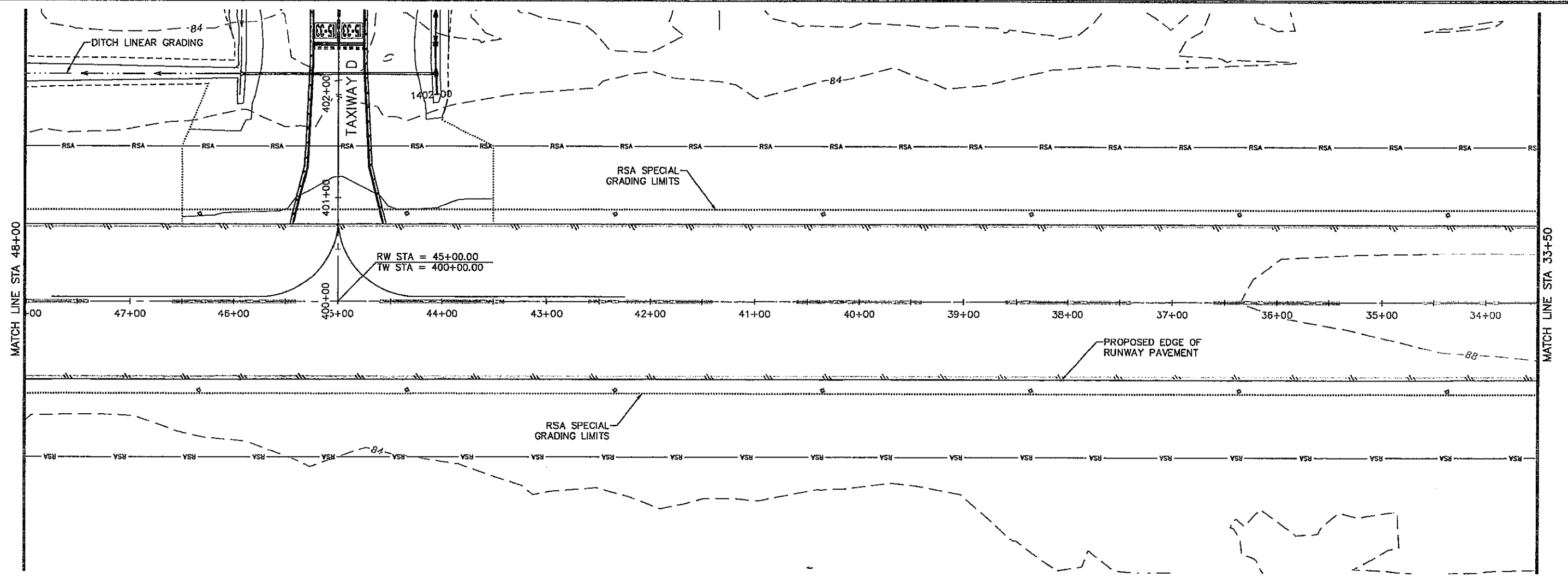
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

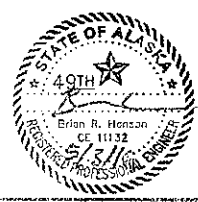
DATE: 5/3/2016
 SHEET: 13 OF 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016 2:08 PM
 Drawn By: C. SLATTERY
 Checked By: B. HANSON
 File Path and Name: C:\Users\B.HANSON\Documents\AS-BURT\AS-BURT.dwg



As-Built



BY	DATE	REVISION

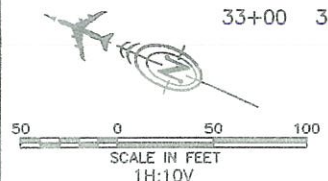
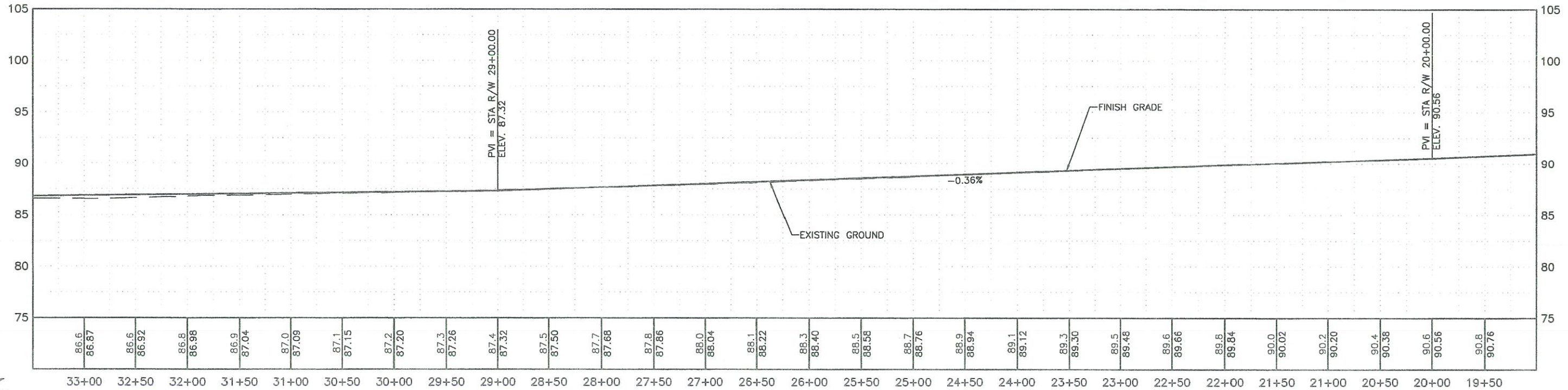
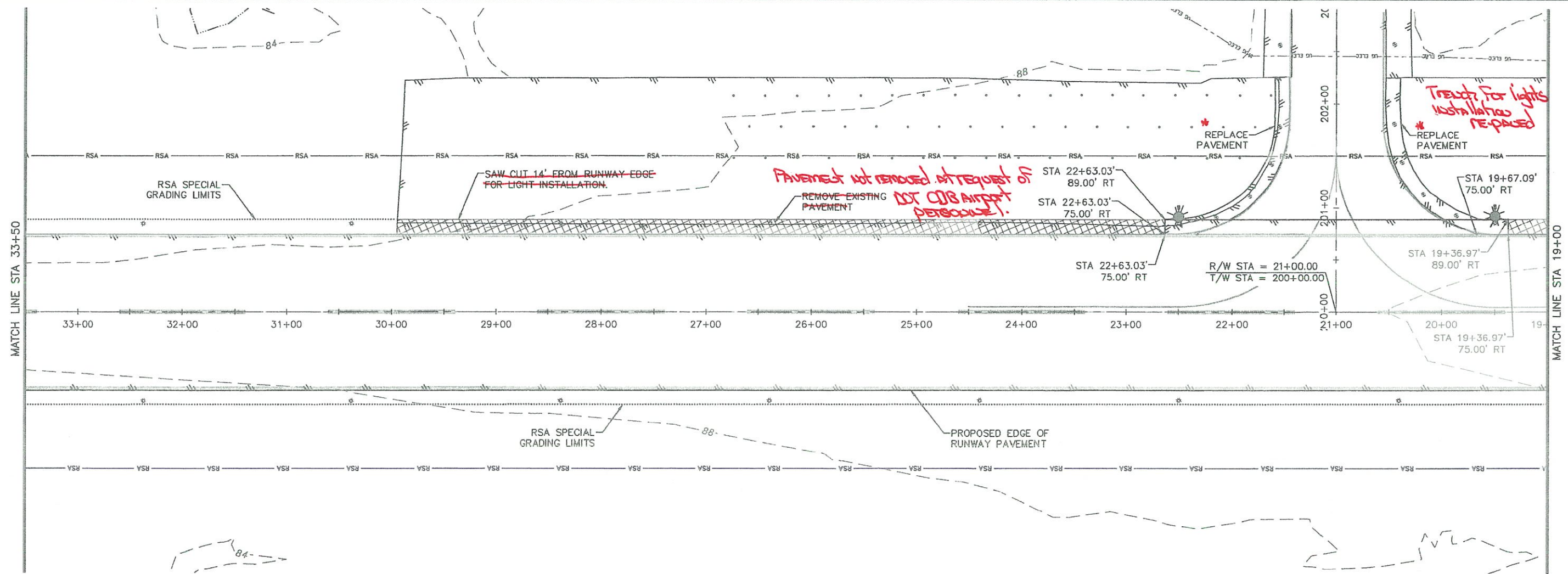
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 14 OF 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Received: 5/03/2016 2:08 PM
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 Designed By: C. WILT
 Drawn By: C. SUATTEN
 Checked By: B. HANSSON



As-Built



BY	DATE	REVISION

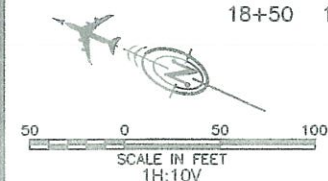
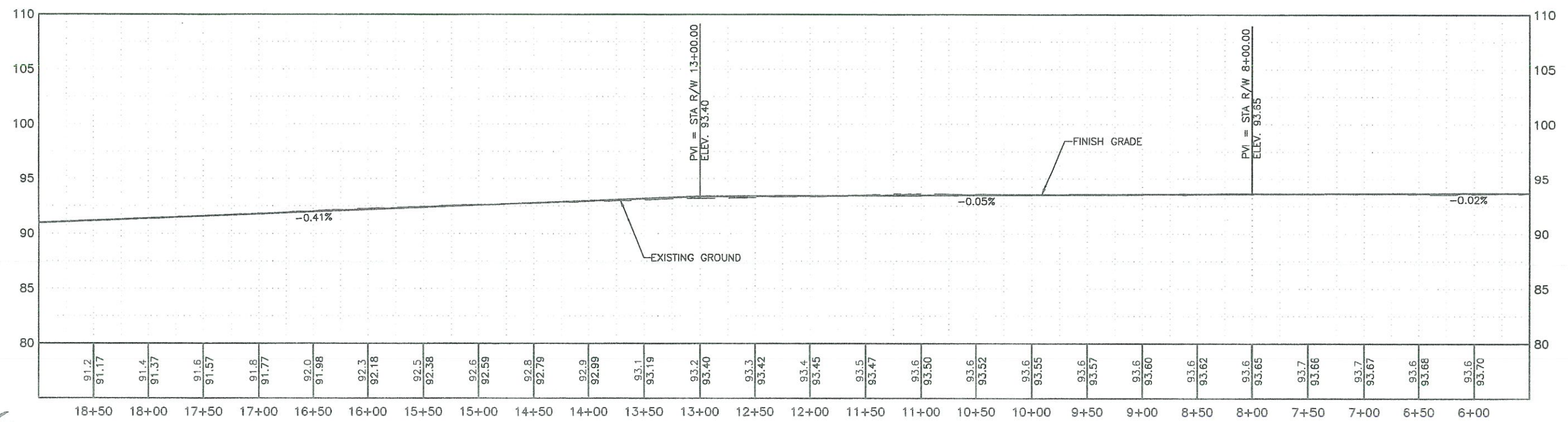
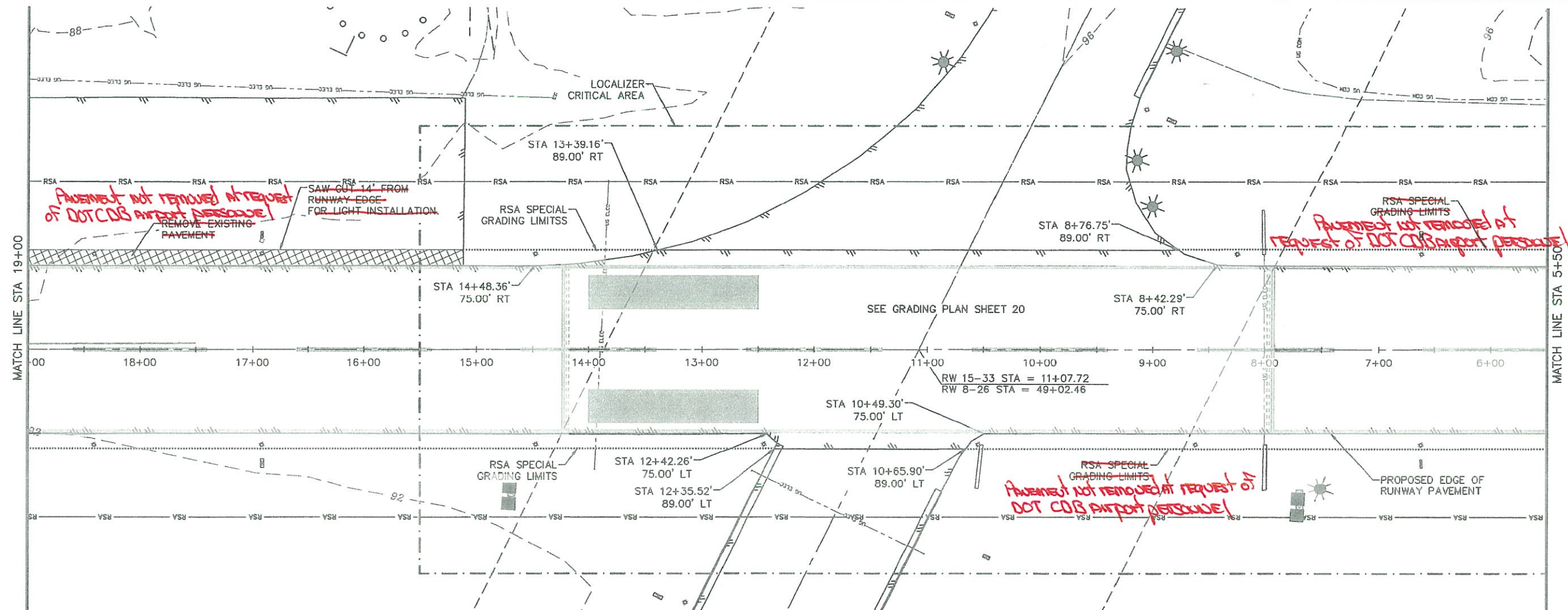
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 15 OF 97
 AS-BUILT SHEET

PLAN PREPARED BY DOWL

Date Revised: 5/23/2016, 2:09 PM
 Designed By: C. WILT
 Drawn By: S. HANSON
 Checked By: S. HANSON
 Project Name: DOWL and Profile (16)
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As-Built



BY	DATE	REVISION

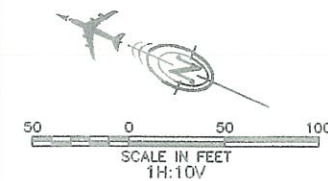
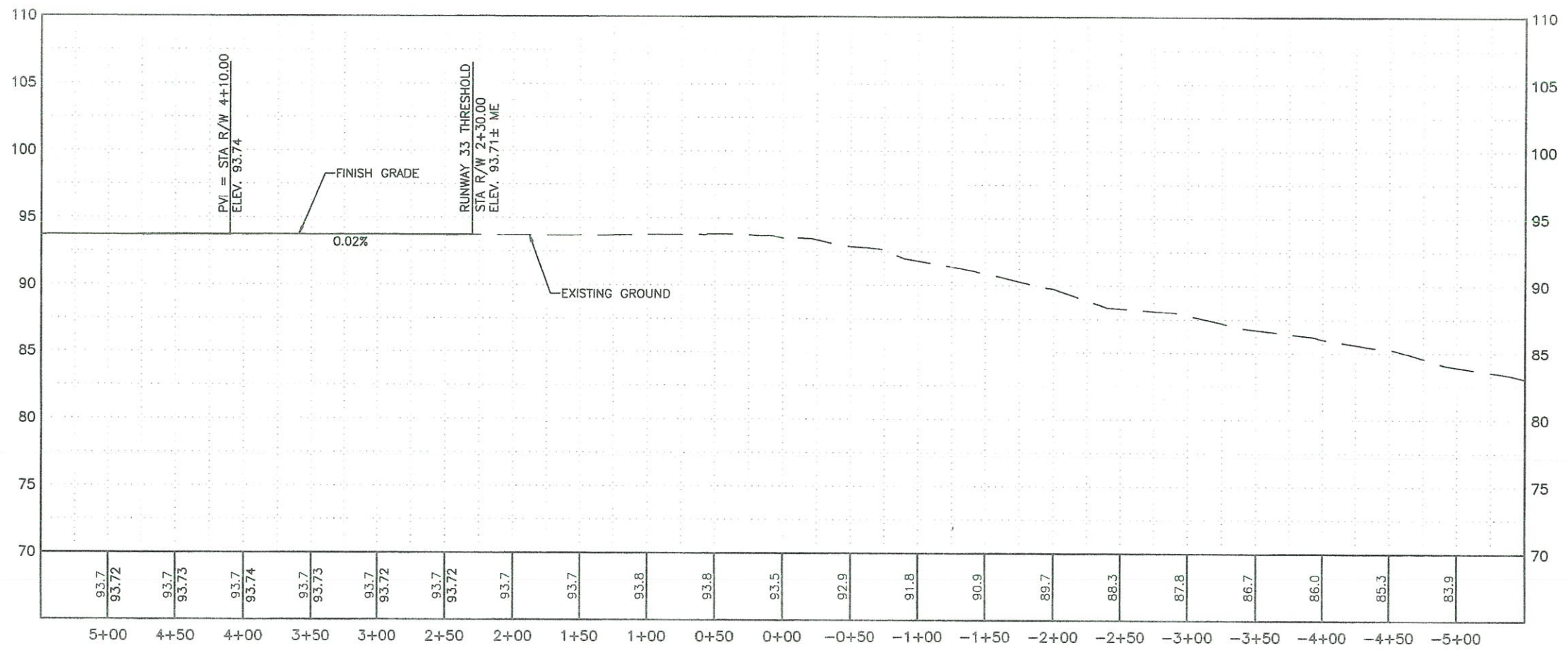
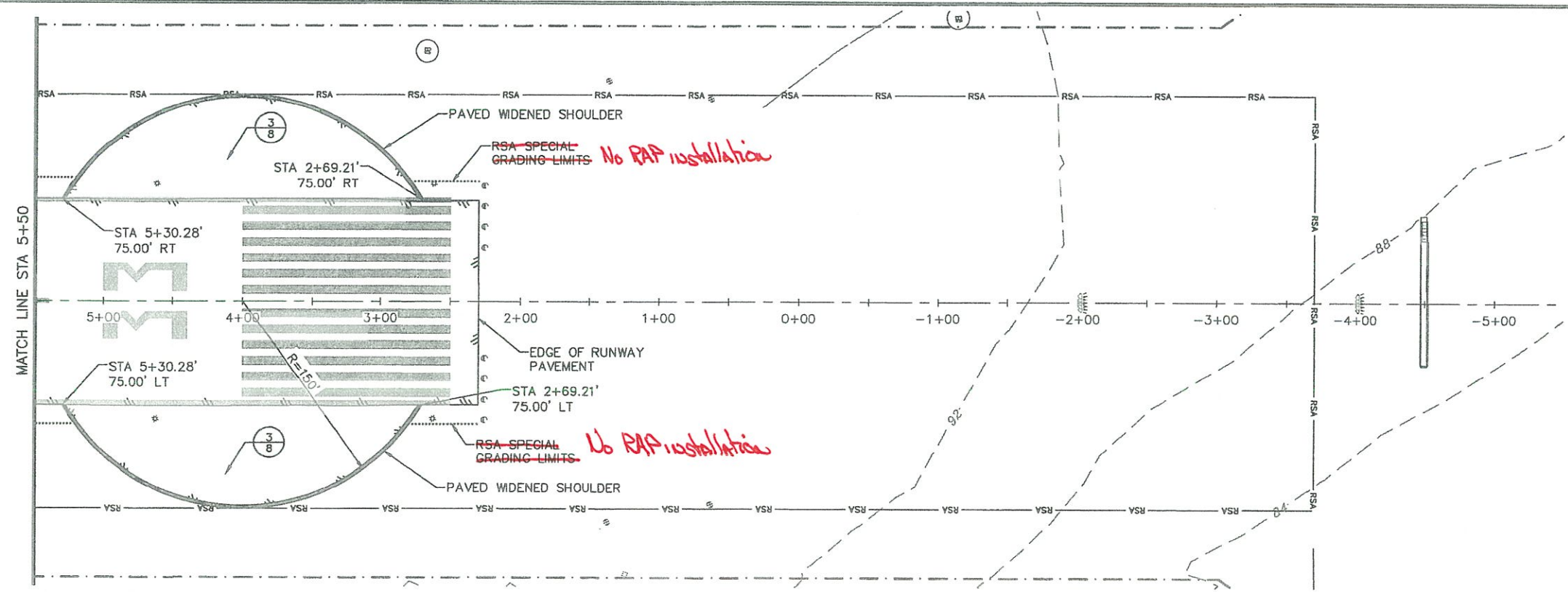
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 16 of 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 3:37 PM
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 Drawn By: C. SATTEN
 Checked By: B. HANSON



As-Built



BY	DATE	REVISION

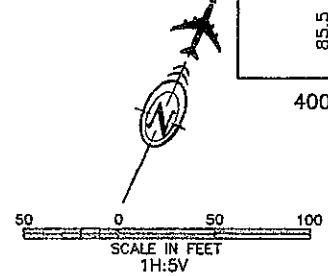
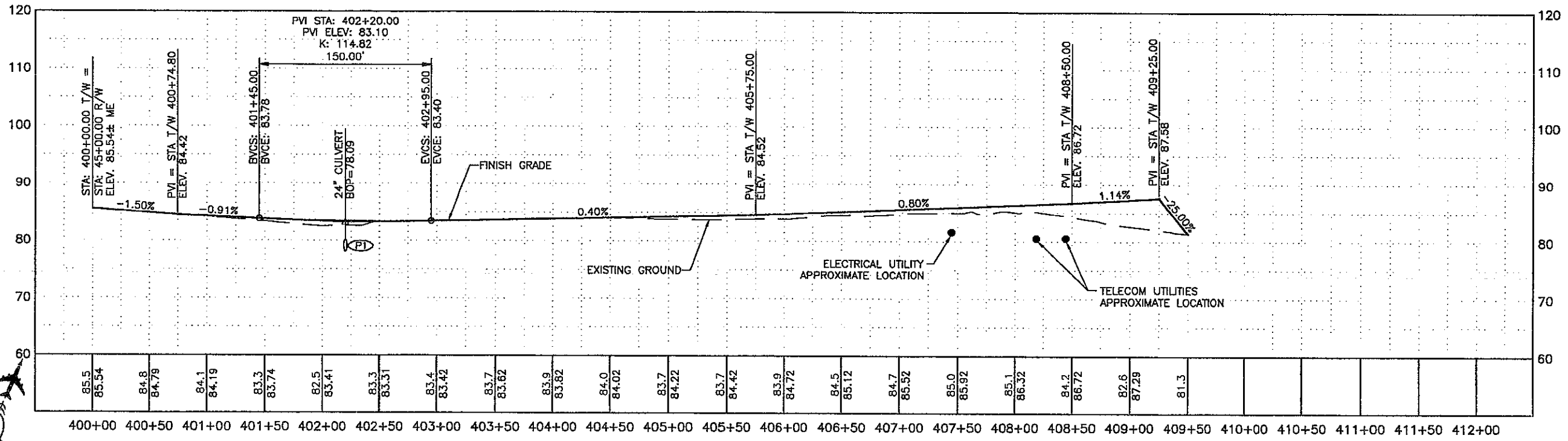
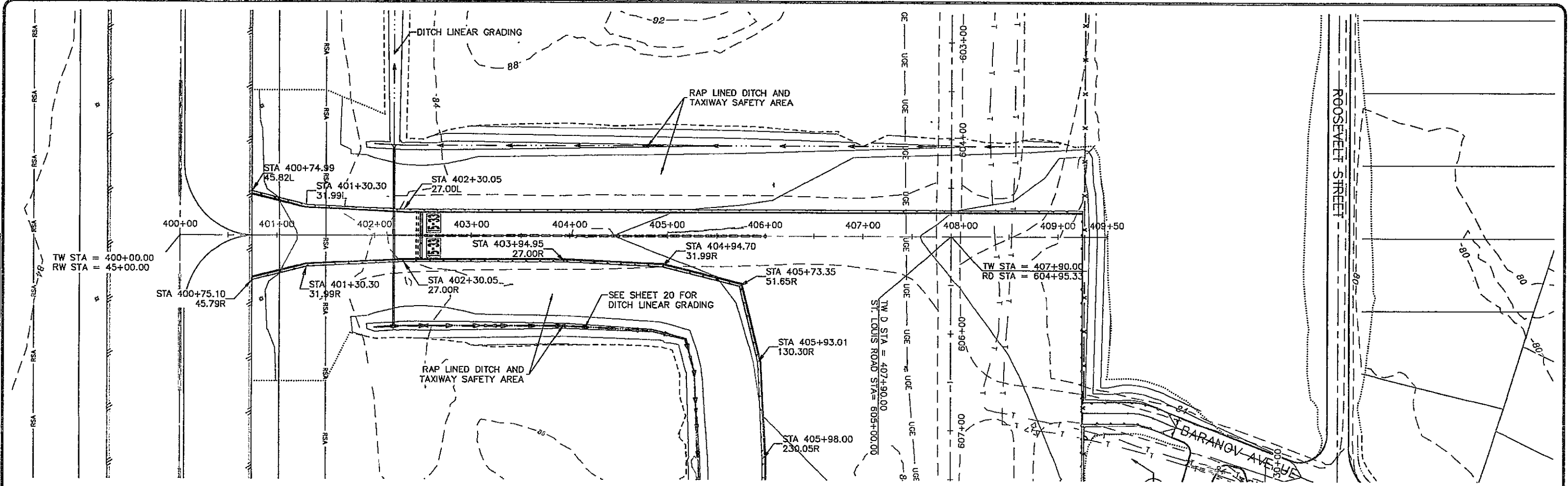
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 RUNWAY

DATE: 5/3/2016
 SHEET: 17 of 97
 AS-BUILT SHEET

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 2:09 PM
 Plan and Profile: Taxiway D
 Layout Name: C:\Users\B1111\Documents\Projects\Design\SC11-AI-AF-COB1.dwg
 File Path and Name: C:\Users\B1111\Documents\Projects\Design\SC11-AI-AF-COB1.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



As-Built



BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

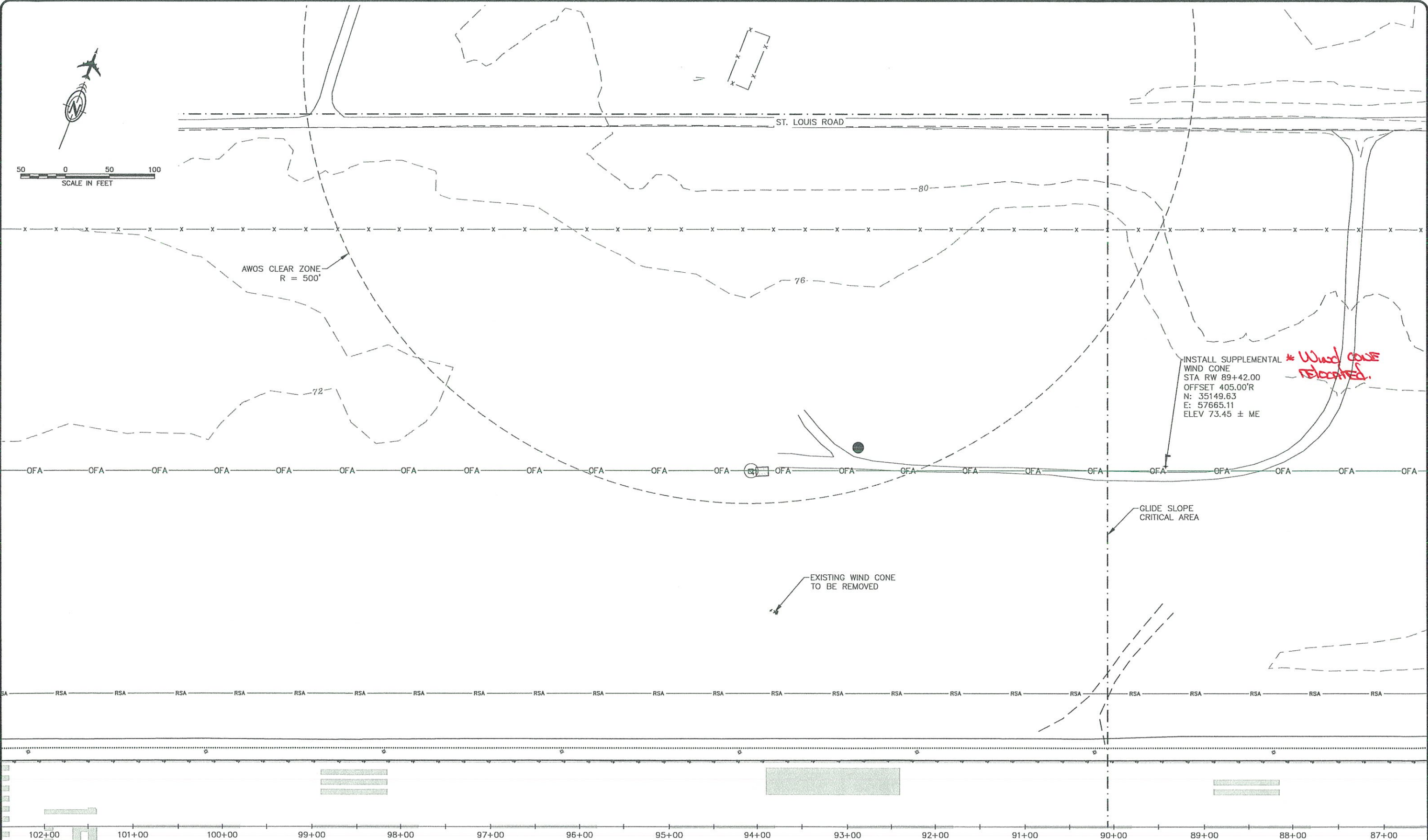
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 TAXIWAY D

DATE: 5/3/2016
 SHEET: 18 OF 97
 AS-BUILT SHEET

PLAN PREPARED BY DOWL



Date Revised: 1/27/2017, 12:25 PM
 Layout Name: RSA_ERGS_OR (19A)
 File Path and Name: C:\24\6111\6520\Aviation\Design\SA14-AW-GR-CDB.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



INSTALL SUPPLEMENTAL * Wind cone relocated.
 WIND CONE
 STA RW 89+42.00
 OFFSET 405.00'R
 N: 35149.63
 E: 57665.11
 ELEV 73.45 ± ME

EXISTING WIND CONE
 TO BE REMOVED

GLIDE SLOPE
 CRITICAL AREA

As-Built



BY	DATE	REVISION

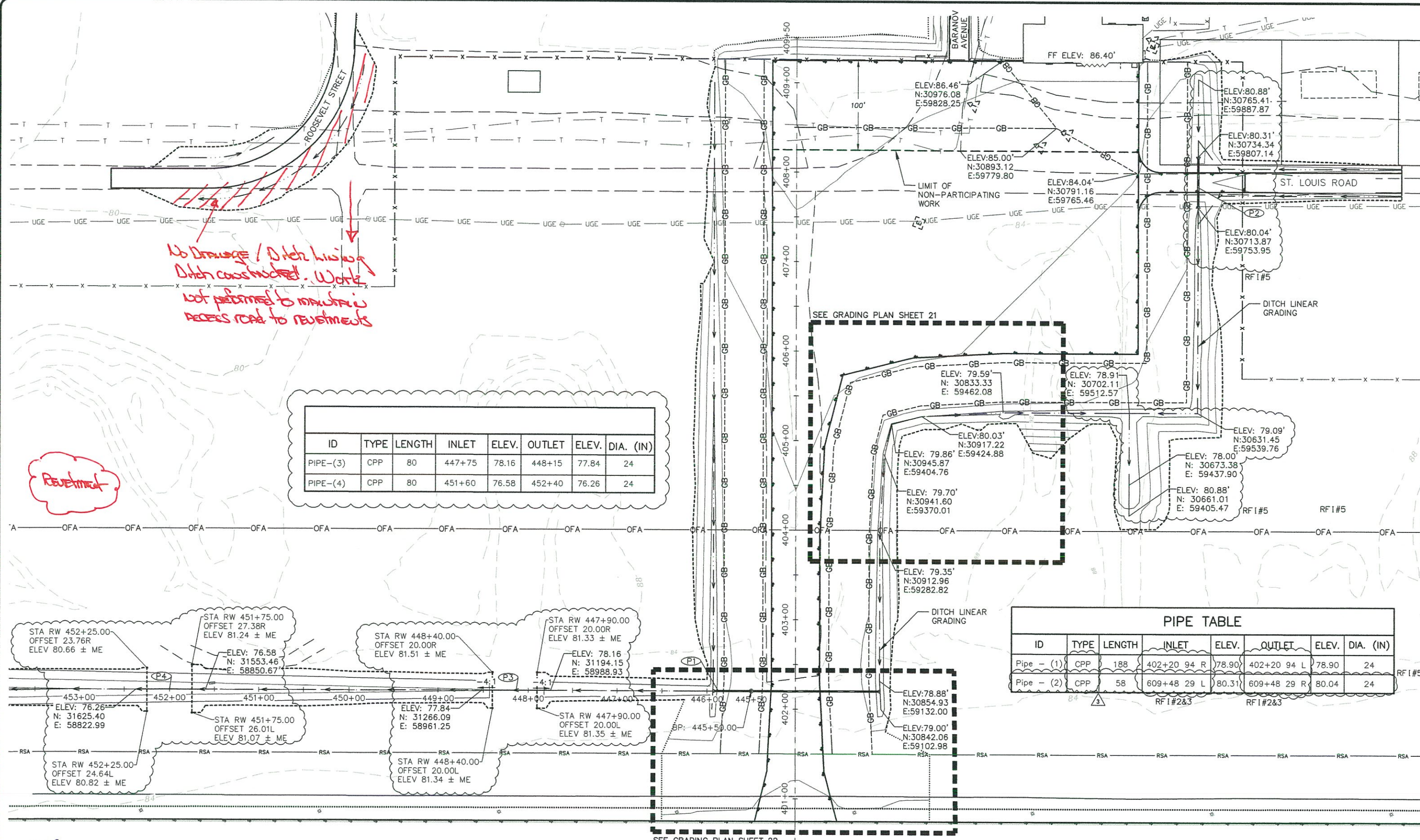
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 SUPPLEMENTAL WIND CONE

DATE: 1/27/2017
 SHEET: 19A OF 97
 AS-BUILT SHEET:

Designed By: C. WILLY
 Drawn By: C. SATTEN
 Checked By: B. HANSON

Date Revised: 4/13/2017 2:05 PM
 Discipline: Airport (200)
 File Path and Name: D:\24\6111\G\CAD\Aviation\Design\SA14-AV-CR-CDB.dwg

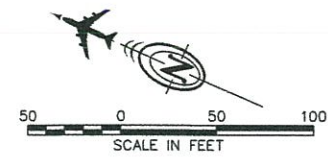


*No Drainage / Ditch lining
 Ditch constructed. Work
 not performed to maintain
 access road to revetments*

Revetment

ID	TYPE	LENGTH	INLET	ELEV.	OUTLET	ELEV.	DIA. (IN)
PIPE-(3)	CPP	80	447+75	78.16	448+15	77.84	24
PIPE-(4)	CPP	80	451+60	76.58	452+40	76.26	24

ID	TYPE	LENGTH	INLET	ELEV.	OUTLET	ELEV.	DIA. (IN)
Pipe - (1)	CPP	188	402+20 94 R	78.90	402+20 94 L	78.90	24
Pipe - (2)	CPP	58	609+48 29 L	80.31	609+48 29 R	80.04	24



As-Built



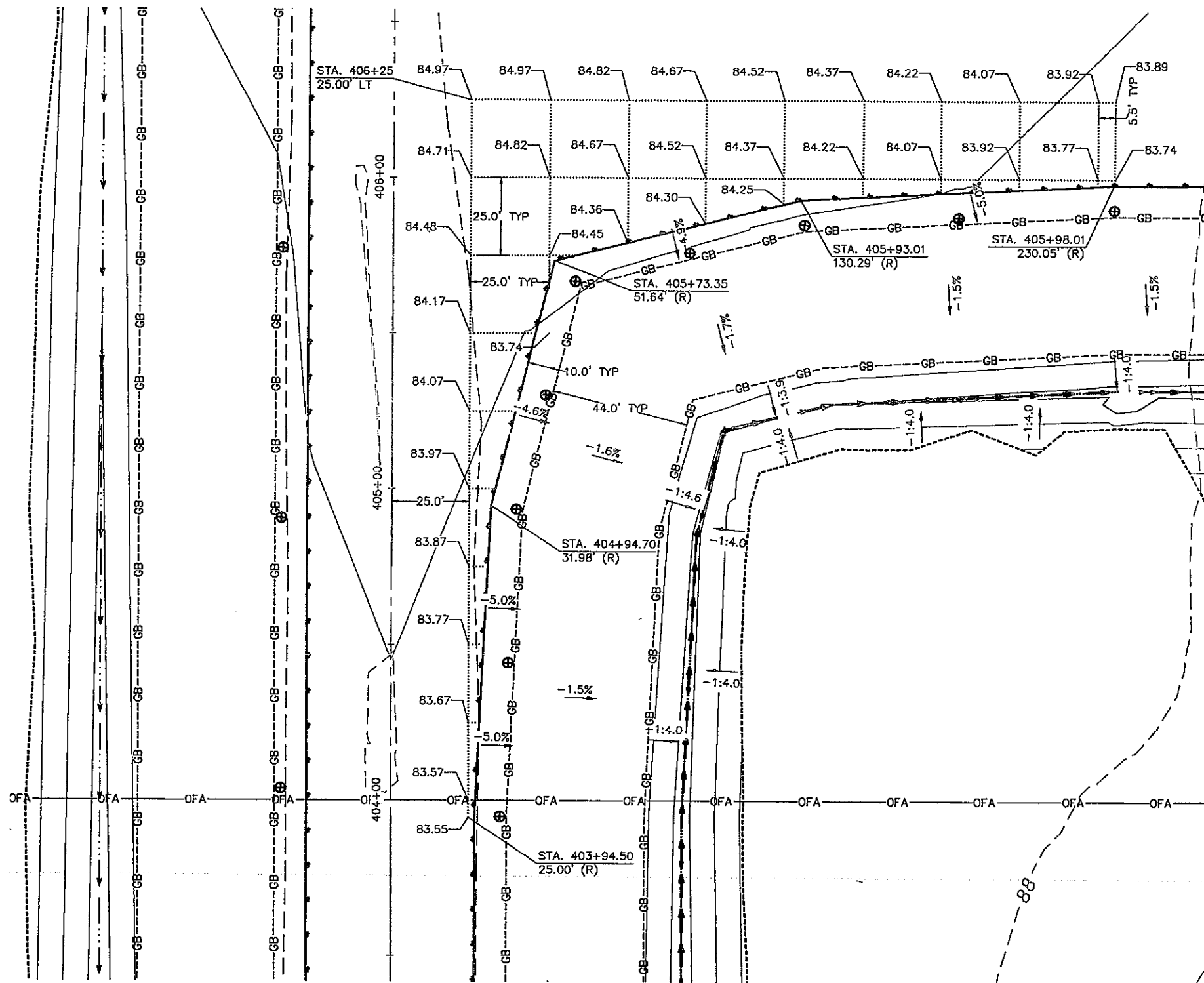
BY	DATE	REVISION
	4/12/2017	REVTMENT GRADING AND CULVERT ADDED DITCH GRADE AND CULVERT CHANGES
	10/08/2016	PIPE STATION CORRECTIONS RFI#2&3
	6/15/2016	PIPE TYPE CORRECTED

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

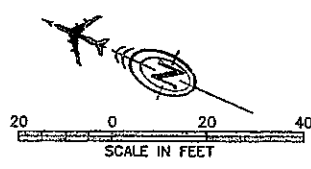
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 DRAINAGE AND GRADING PLAN
 APRON

DATE: 4/13/2017
 SHEET: 20R OF 97
 AS-BUILT SHEET:

5/03/2016, 2:11 PM
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON
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TAXIWAY / APRON TRANSITION GRADING



AsBilt



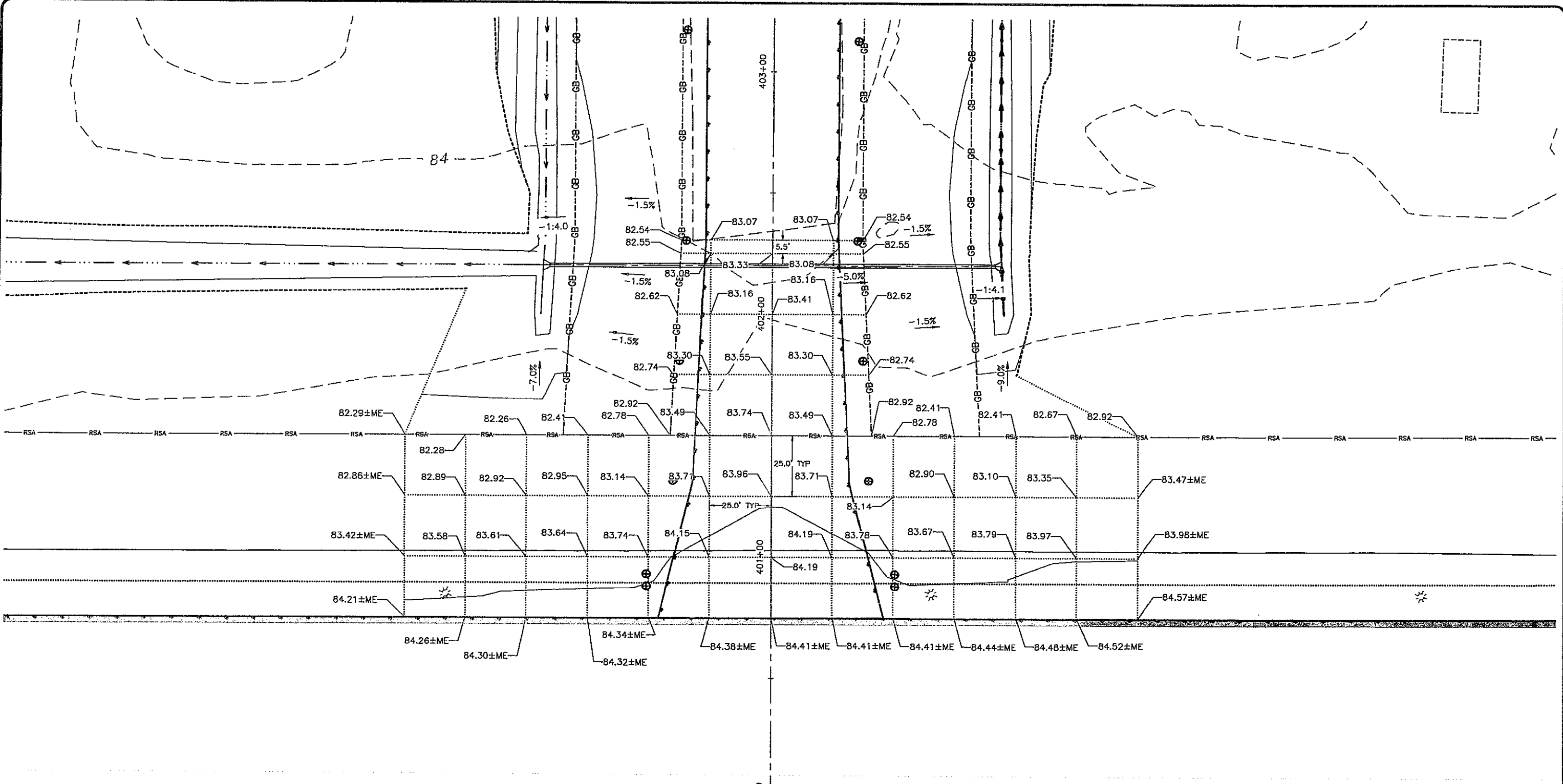
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

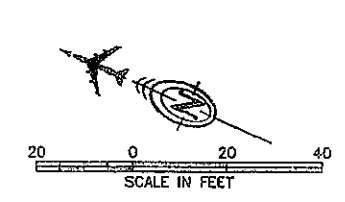
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 GRADING PLAN
 TAXIWAY/APRON

DATE: 5/3/2016
 SHEET: 21 OF 97
 AS-BUILT SHEET:

Date Revised: 5/03/2016, 2:12 PM
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 File Path and Name: G:\24\61111\SECAD\Aviation\Design\SA14-AV-CB-CDB.dwg
 Designed By: C. WALT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



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As-Built



BY	DATE	REVISION

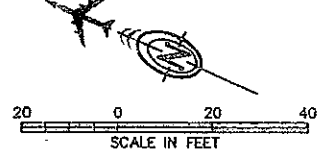
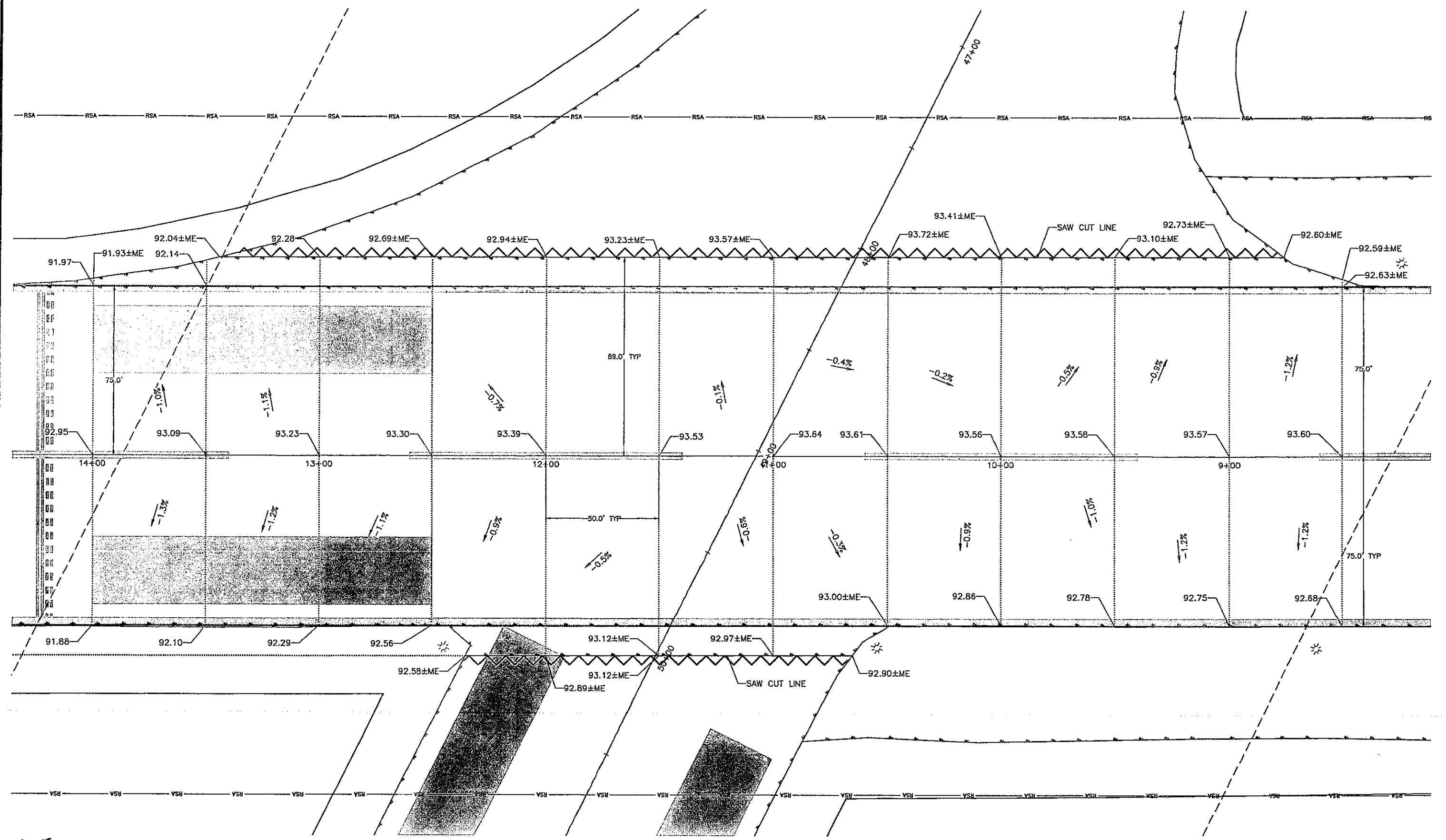
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 GRADING PLAN
 TAXIWAY

DATE: 5/3/2016
 SHEET: 22 OF 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 2:12 PM
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 File Path and Name: G:\21\61111\65240\William\Station\S11-AV-05-000.dwg
 Designed By: C. WILT
 Drawn By: C. STANTEN
 Checked By: B. HANSSON



As-Built



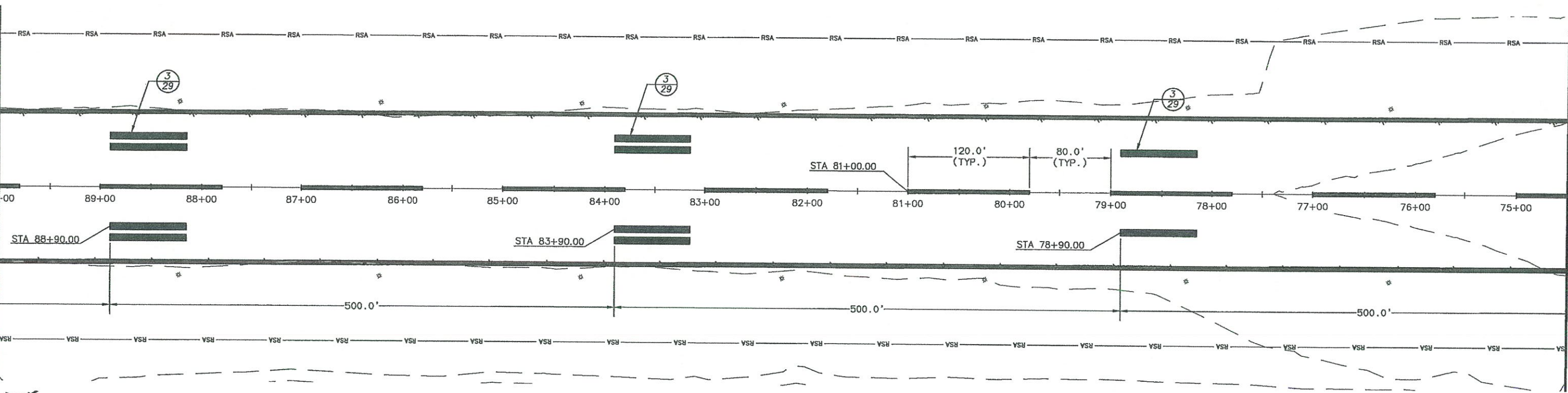
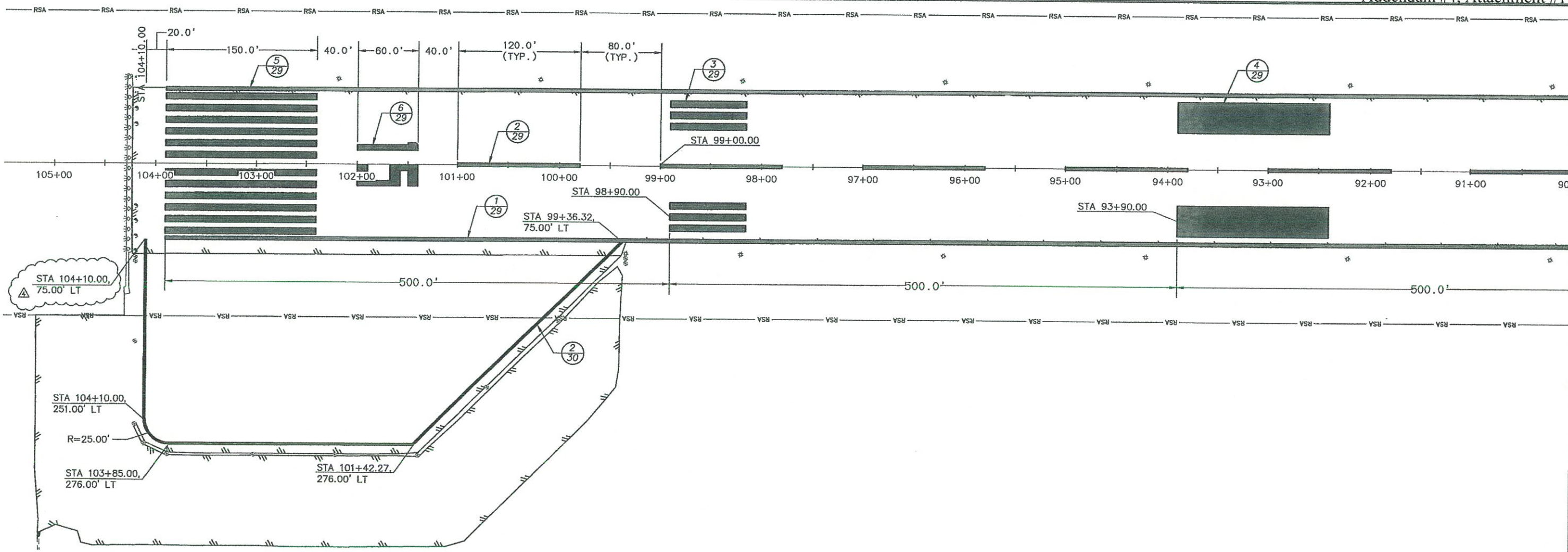
BY	DATE	REVISION

STATE OF ALASKA
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 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0066-011-2016
 GRADING PLAN
 RUNWAY INTERSECTION

DATE: 5/3/2016
 SHEET: 23 OF 97
 AS-BUILT SHEET

PLAN PREPARED BY DOWL



NOTES
 1. MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

As-Built

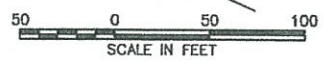


BH	6/22/16	REVISOR	REVISION
BY	DATE	REVISION	

STATE OF ALASKA
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 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 MARKING PLAN
 RUNWAY

DATE: 6/22/2016
 SHEET: 24R of 97
 AS-BUILT SHEET:



Date Revised: 6/22/2016, 10:00 AM
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 Designed By: C. WAT
 Drawn By: C. WAT
 Checked By: B. HANSON

MATCH LINE STA 90+00

MATCH LINE STA 74+50

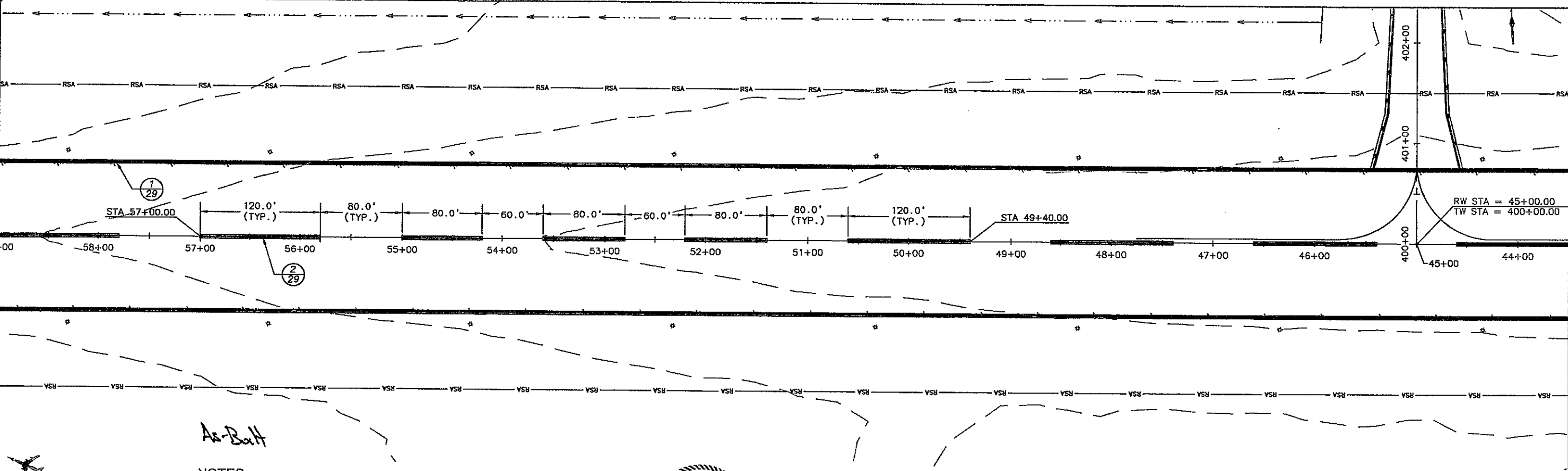
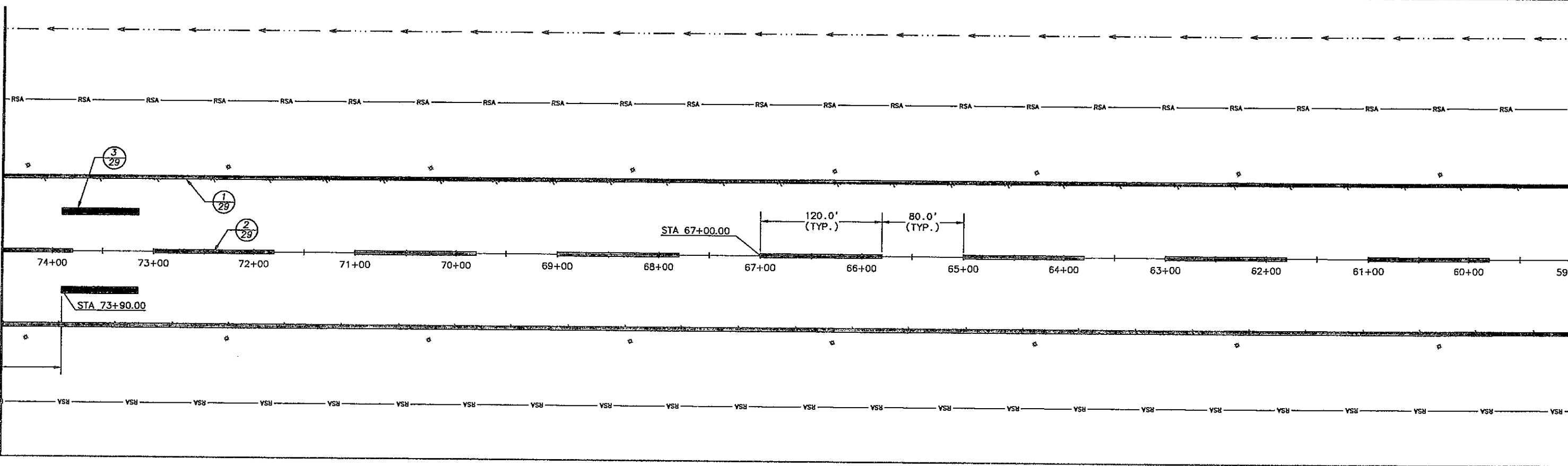
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 Drawn By: C. SATTEN
 Checked By: B. HANSON

MATCH LINE STA 74+50

MATCH LINE STA 59+00

MATCH LINE STA 59+00

MATCH LINE STA 43+50



NOTES

- MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

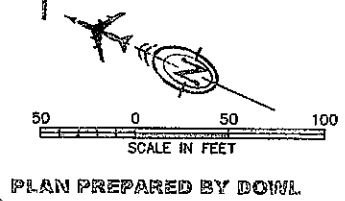


BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0085-011-2016
 MARKING PLAN
 RUNWAY

DATE: 5/3/2016
 SHEET: 25 OF 97
 AS-BUILT SHEET:

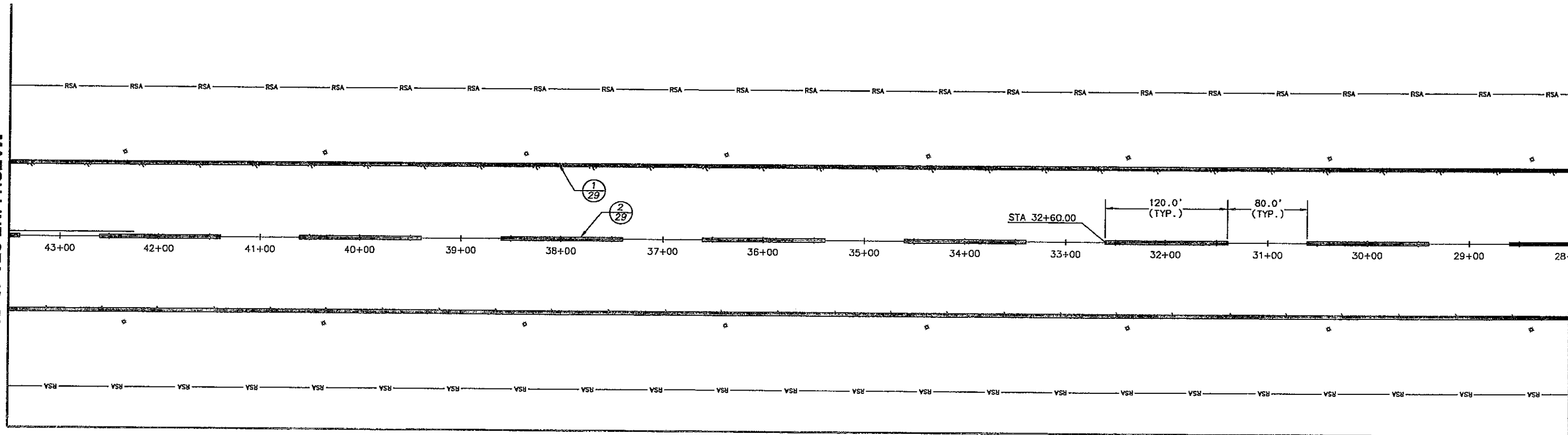


PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 2:14 PM
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 Drawn By: C. SLATES
 Checked By: B. HANSON

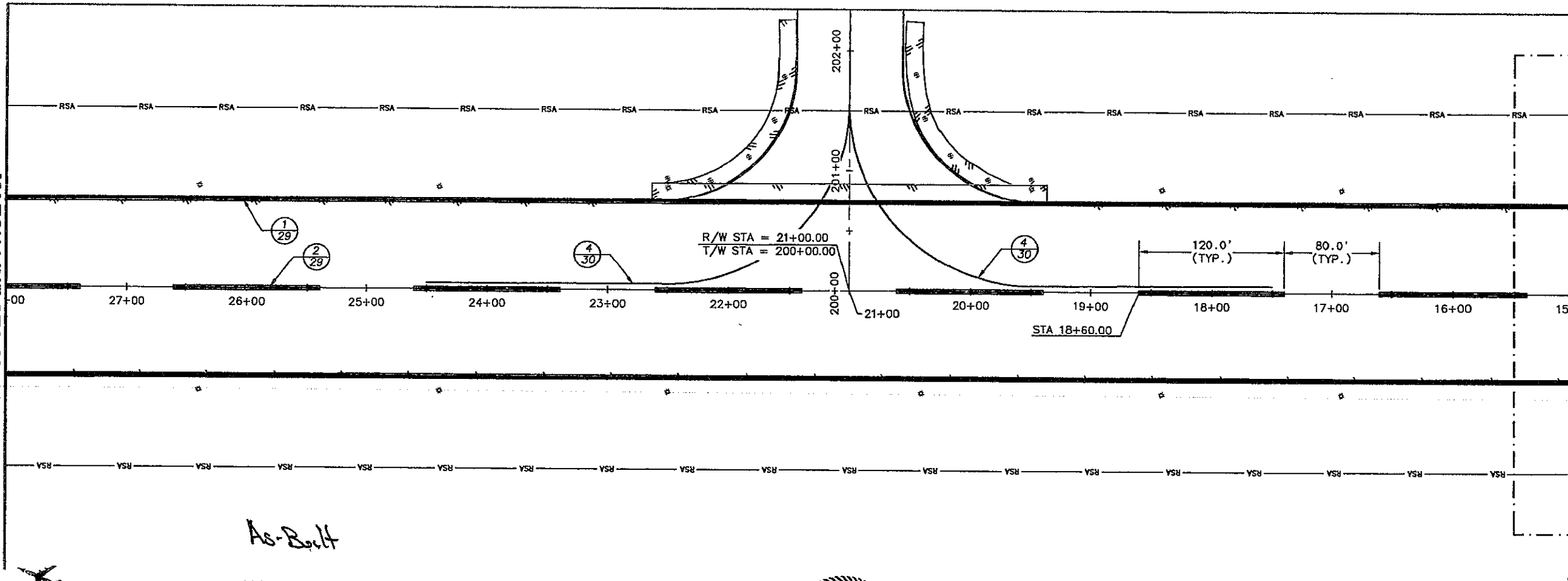
MATCH LINE STA 43+50

MATCH LINE STA 28+00



MATCH LINE STA 28+00

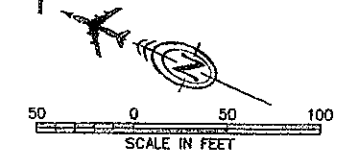
MATCH LINE STA 15+00



As-Built

NOTES

- MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.



PLAN PREPARED BY DOWL



BY	DATE	REVISION

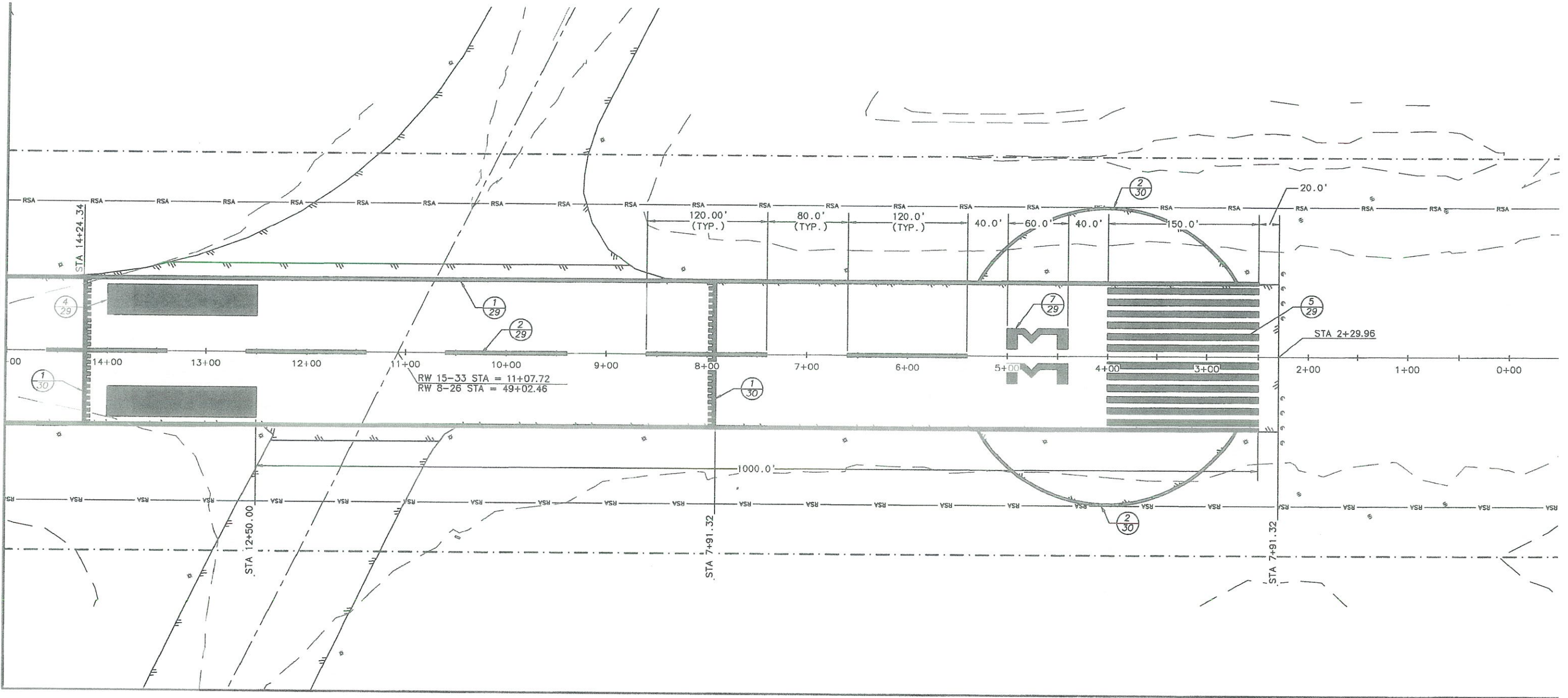
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0085-011-2016
 MARKING PLAN
 RUNWAY

DATE: 5/3/2016
 SHEET: 26 OF 97
 AS-BUILT SHEET:

5/03/2016, 3:25 PM
 Drawn By: C. SLATTEN
 Checked By: B. HANSON
 Designated By: C. WILT
 Approved Plan Number: (27)
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MATCH LINE STA 15+00



As-Built

NOTES

- MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

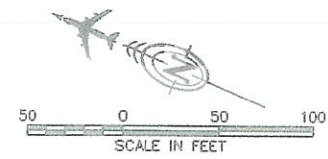


BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

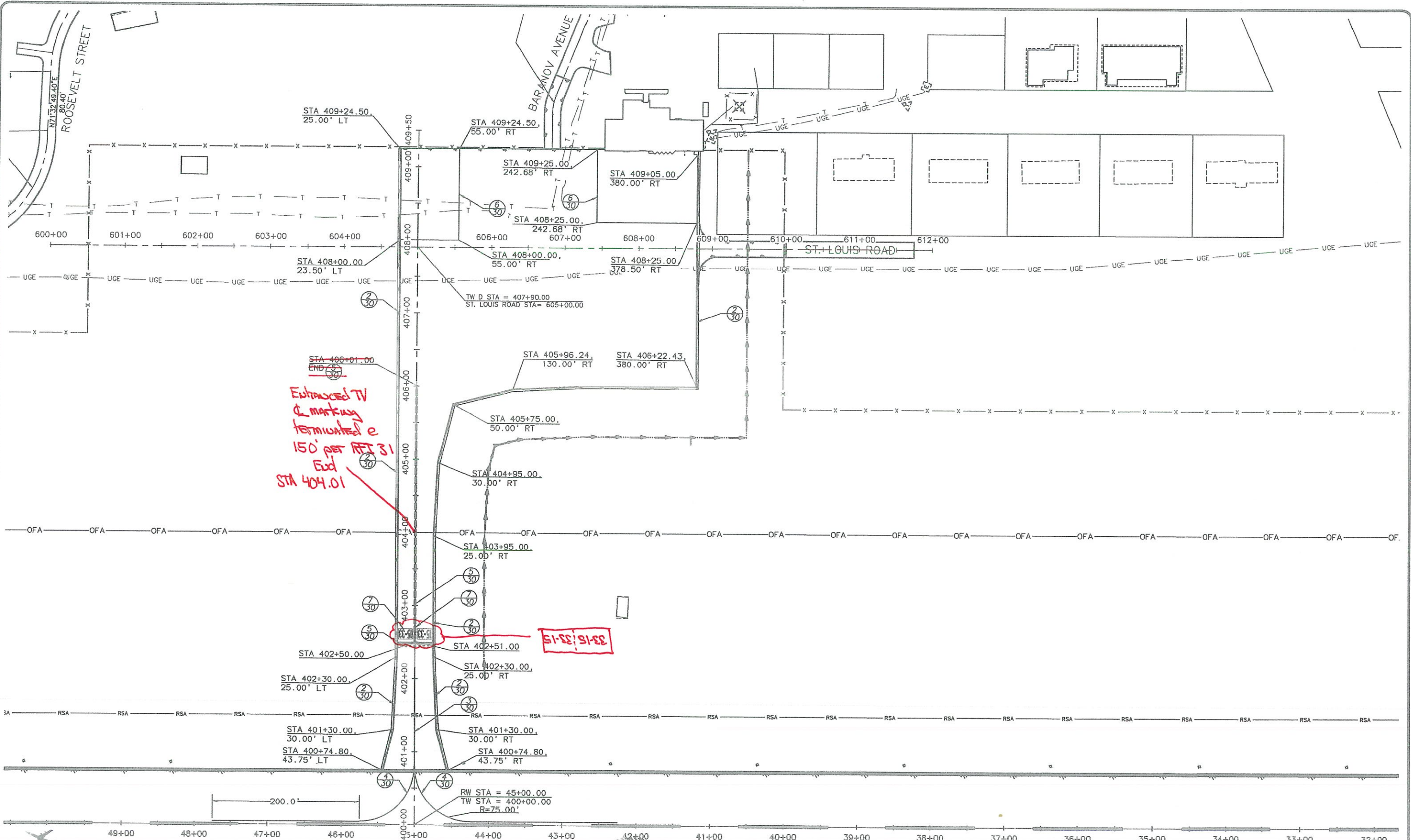
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 MARKING PLAN
 RUNWAY

DATE: 5/3/2016
 SHEET: 27 OF 97
 AS-BUILT SHEET:



PLAN PREPARED BY DOWL

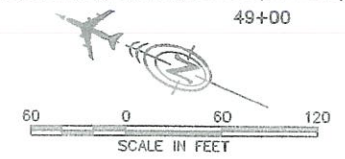
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 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



Extruded TV
 & marking
 terminated @
 150' per RTI 31
 End
 STA 404.01

31-15:31-15

As-Built



NOTES
 1. MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

PLAN PREPARED BY DOWL

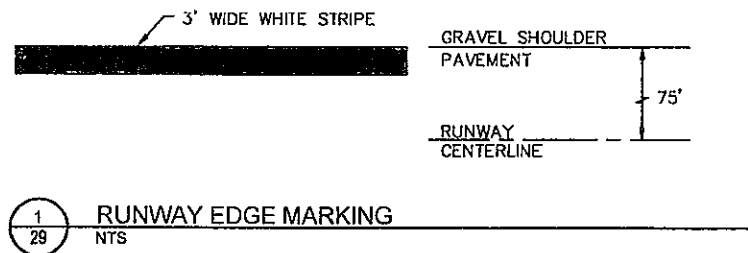
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

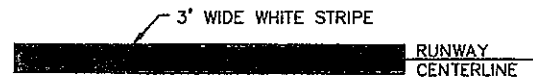
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 MARKING PLAN
 APRON AND TAXIWAY

DATE: 5/3/2016
 SHEET: 28 OF 97
 AS-BUILT SHEET:

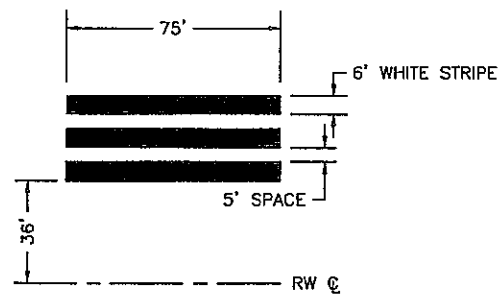
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 Design By: C. SLATTEN
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



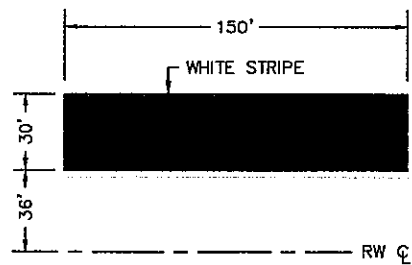
1
29 NTS
RUNWAY EDGE MARKING



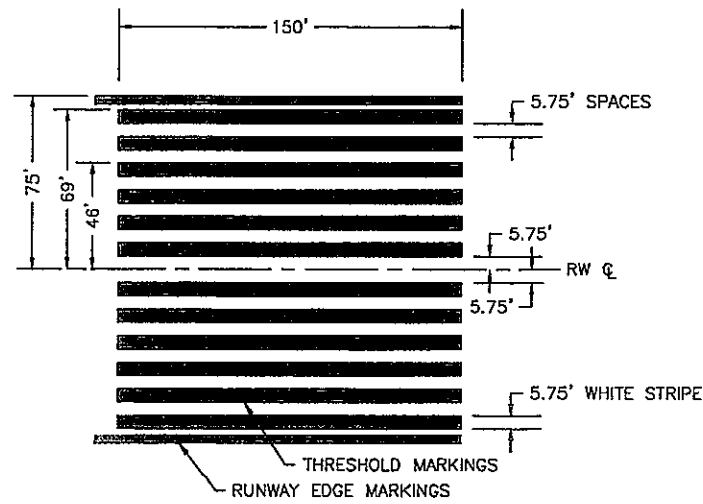
2
29 NTS
RUNWAY CENTERLINE MARKING



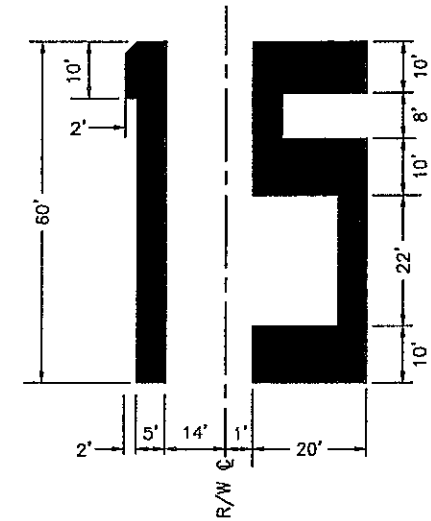
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29 NTS
TOUCHDOWN ZONE MARKER



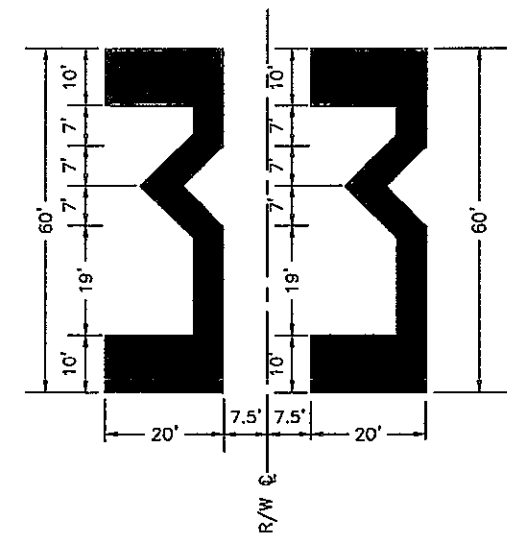
4
29 NTS
AIMING POINT MARKER RUNWAY



5
29 NTS
THRESHOLD MARKING



6
29 NTS
RUNWAY NUMBERS - 15

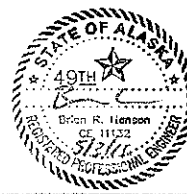


7
29 NTS
RUNWAY NUMBERS - 33

As-Built

NOTES

- MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

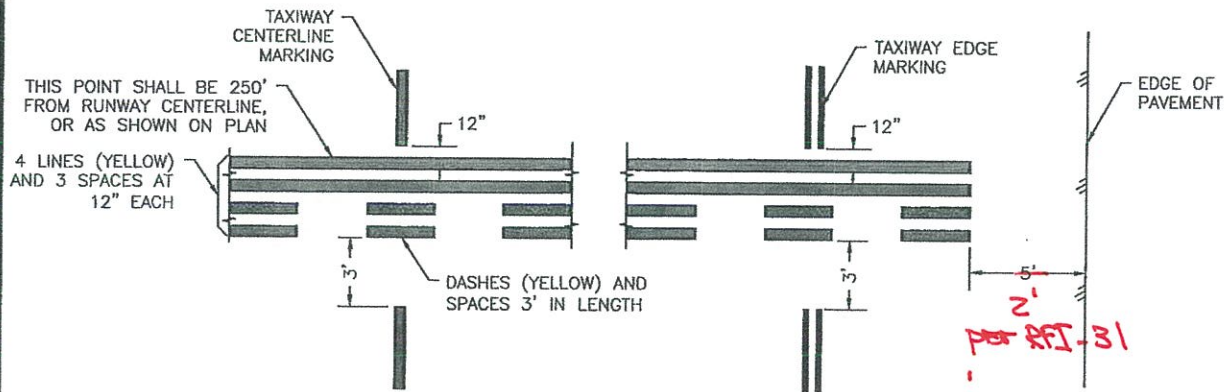


BY	DATE	REVISION

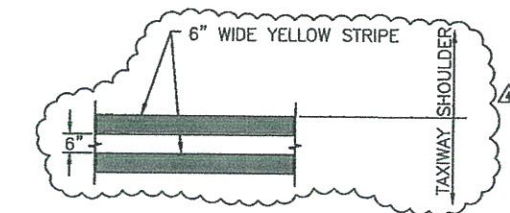
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. Z537540000
AIP No. 3-02-0065-011-2016
MARKING DETAILS

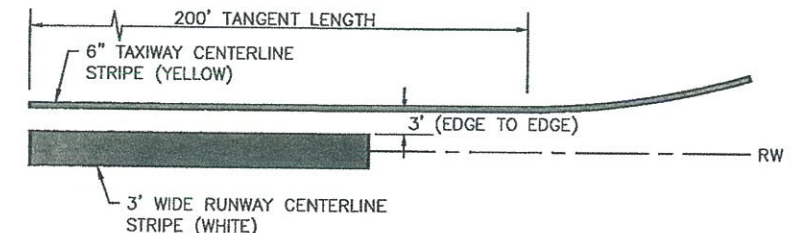
DATE: 5/3/2016
SHEET: 29 OF 97
AS-BUILT SHEET



1
30
NTS
ENHANCED RUNWAY HOLDING POSITION MARKING



2
30
NTS
CONTINUOUS TAXIWAY EDGE MARKING



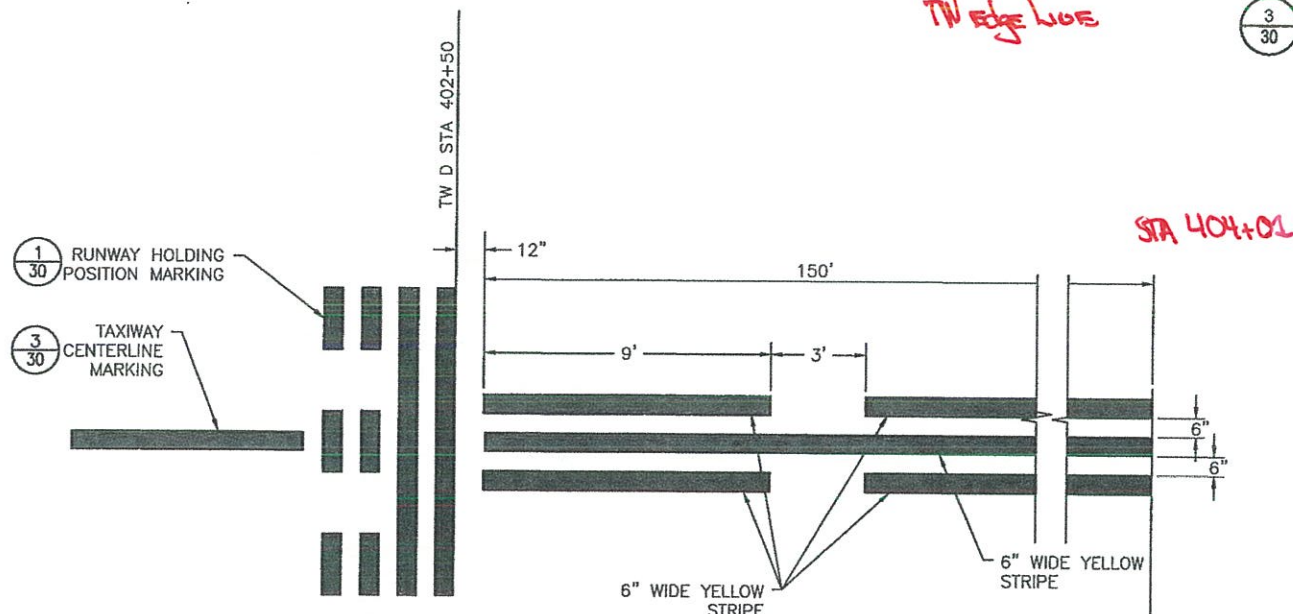
4
30
NTS
TAXIWAY CENTERLINE TO RUNWAY CENTERLINE OFFSET



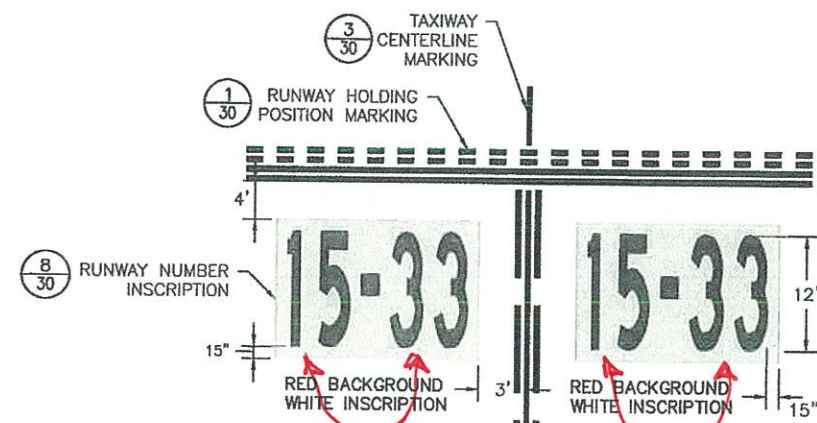
3
30
NTS
TAXIWAY CENTERLINE MARKING



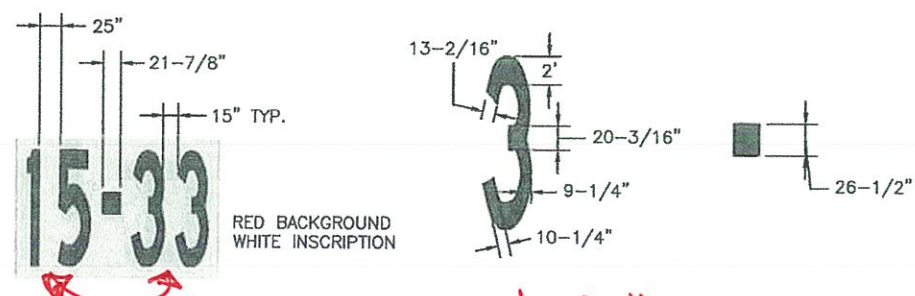
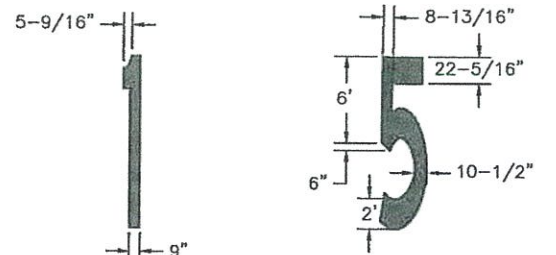
6
30
NTS
LEASE LOT BOUNDARY



5
30
NTS
ENHANCED TAXIWAY CENTERLINE MARKING



7
30
NTS
SURFACE PAINTED HOLDING POSITION SIGN



8
30
NTS
RUNWAY NUMBER INSCRIPTION DETAIL

MARKING NOTES

1. TAXIWAY EDGE DIMENSIONS ARE TO THE OUTSIDE EDGE OF DOUBLE LINES. RUNWAY EDGE DIMENSIONS ARE TO THE OUTSIDE EDGE OF LINE. THESE OUTSIDE LINES COINCIDE WITH THE EDGE OF STRUCTURAL PAVEMENT UNLESS NOTED OTHERWISE.
2. REFLECTIVE MEDIA SHALL BE APPLIED TO ALL STRIPES AND MARKINGS AS SPECIFIED IN THE SPECIFICATIONS.
3. MARKING PLAN ESTABLISHED PER FAA AC 150/5340-1L AND FAA AC 150/5300-13A-CHANGE 1.

Date Revised: 6/22/2016, 10:14 AM
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 Designed By: C. WILT
 Drawn By: C. SWATTEN
 Checked By: B. HANSON



BY	DATE	REVISION
BH	6/22/16	CLARIFYING DIMENSION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 MARKING DETAILS
 TAXIWAY D

DATE: 6/22/2016
 SHEET: 30R OF 97
 AS-BUILT SHEET:

Date Revisd: 5/03/2016 - 2:16 PM
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 Checked By: B. HANSON
 Drawn By: C. STATEN
 C. WAT

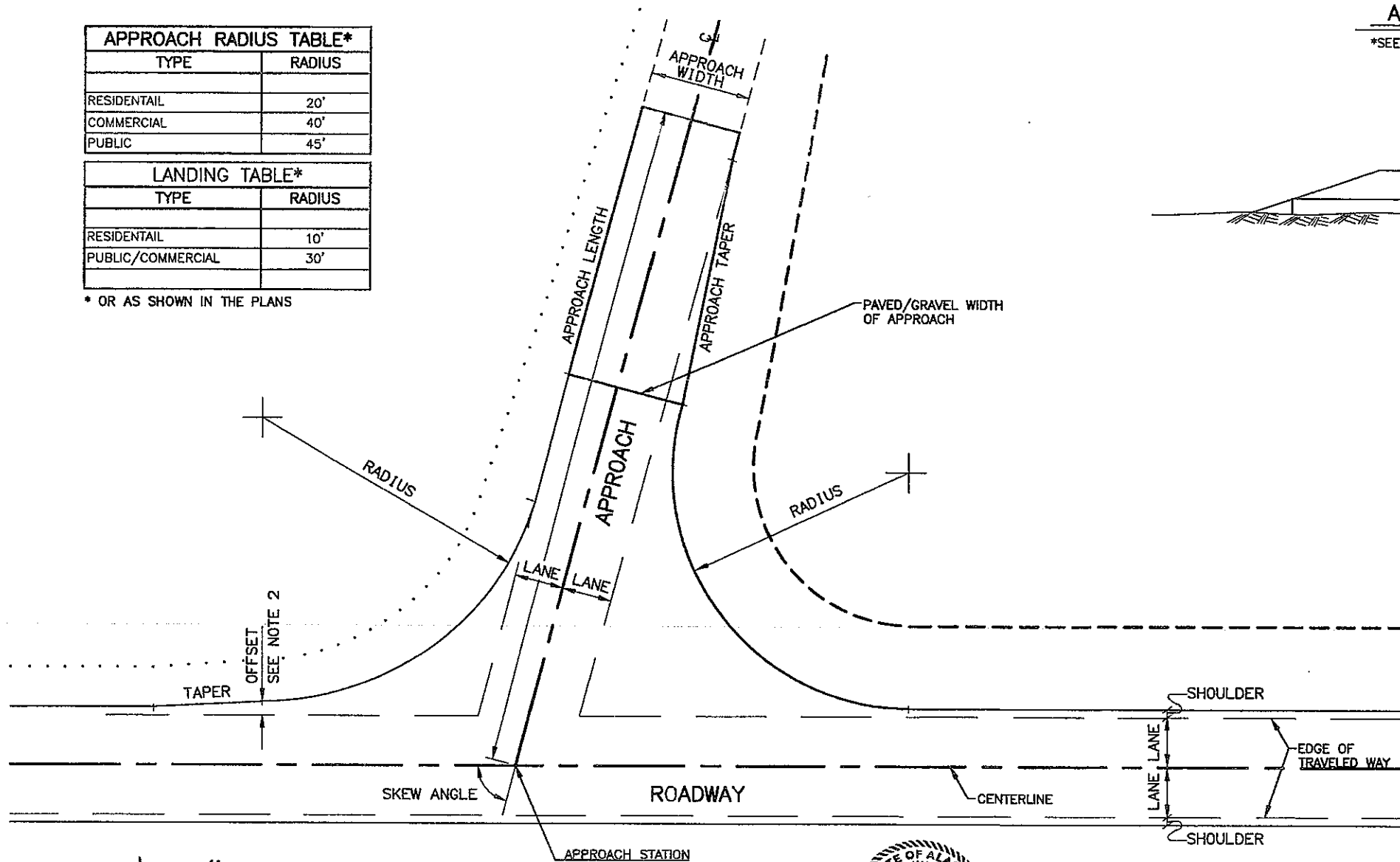
NOTES

1. THE TAPER OFFSET FROM TRAVELED WAY = ASSIGNED VALUE OR SHOULDER WIDTH WHICHEVER IS LARGER. TAPER WILL BE 10 FEET IN LENGTH FOR EACH FOOT OF OFFSET.
2. THE PAVED PORTION OF THE APPROACH STRUCTURAL SECTION SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS THE ROADWAY STRUCTURAL SECTION UNLESS A SEPARATE TYPICAL SECTION IS INCLUDED IN THE PLANS COVERING APPROACHES.
3. PAVE TO THE END OF THE RADIUS RETURN UNLESS OTHERWISE INDICATED.
4. APPROACH VERTICAL CURVE REQUIREMENTS:
 CREST - 2 1/2" MAXIMUM IN A 10-FOOT CHORD
 SAG - 2" MAXIMUM IN A 10-FOOT CHORD
5. PAVEMENT LIMITS AT APPROACH SHALL BE TO RADIUS RETURN.

APPROACH RADIUS TABLE*	
TYPE	RADIUS
RESIDENTIAL	20'
COMMERCIAL	40'
PUBLIC	45'

LANDING TABLE*	
TYPE	RADIUS
RESIDENTIAL	10'
PUBLIC/COMMERCIAL	30'

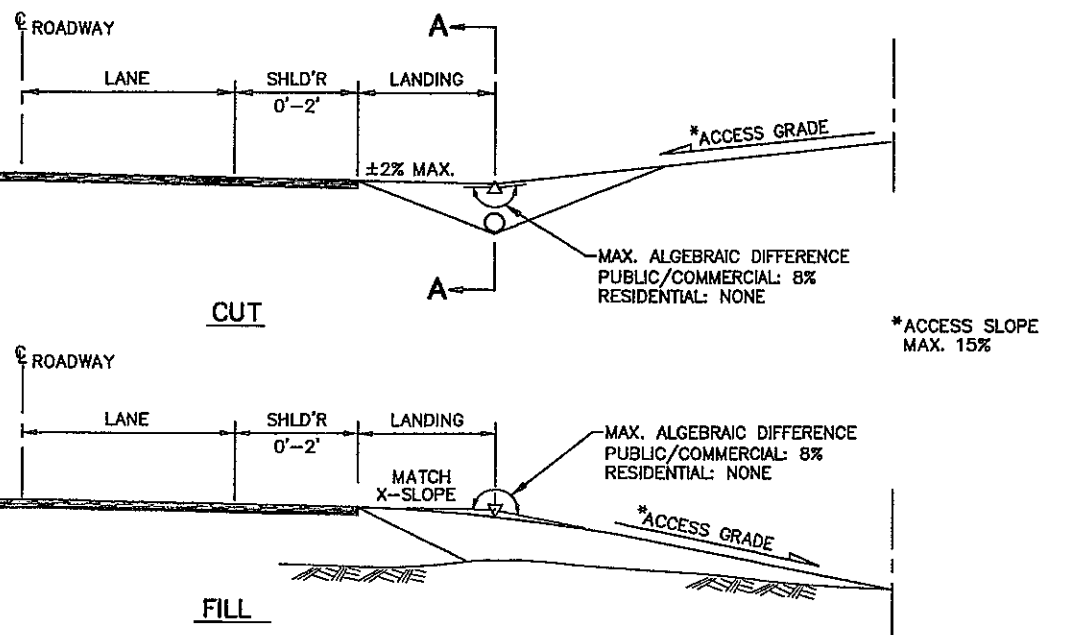
* OR AS SHOWN IN THE PLANS



As-Built

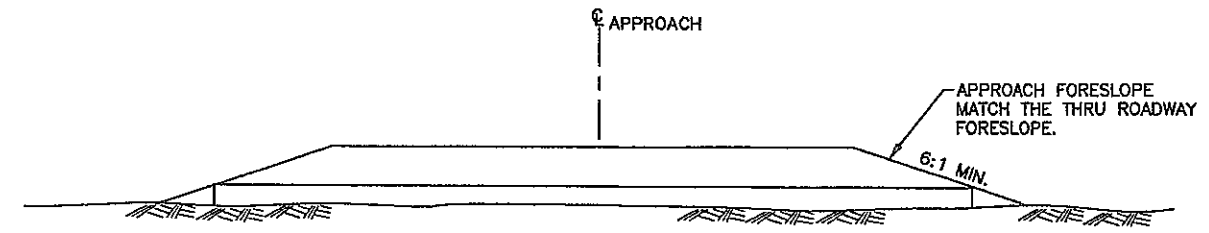


BY	DATE	REVISION



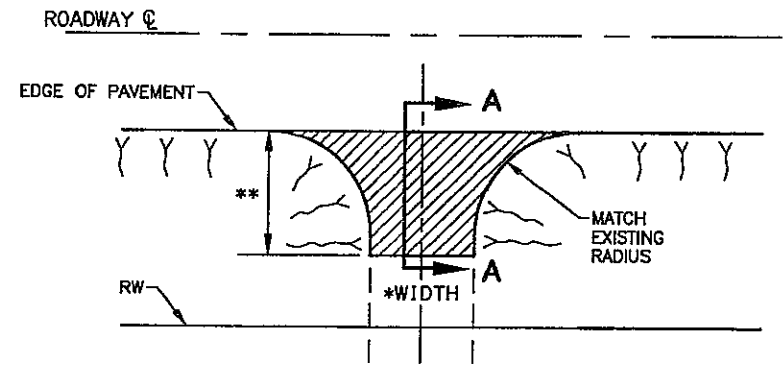
APPROACH PROFILES

*SEE TYPICALS FOR SHOULDER WIDTHS



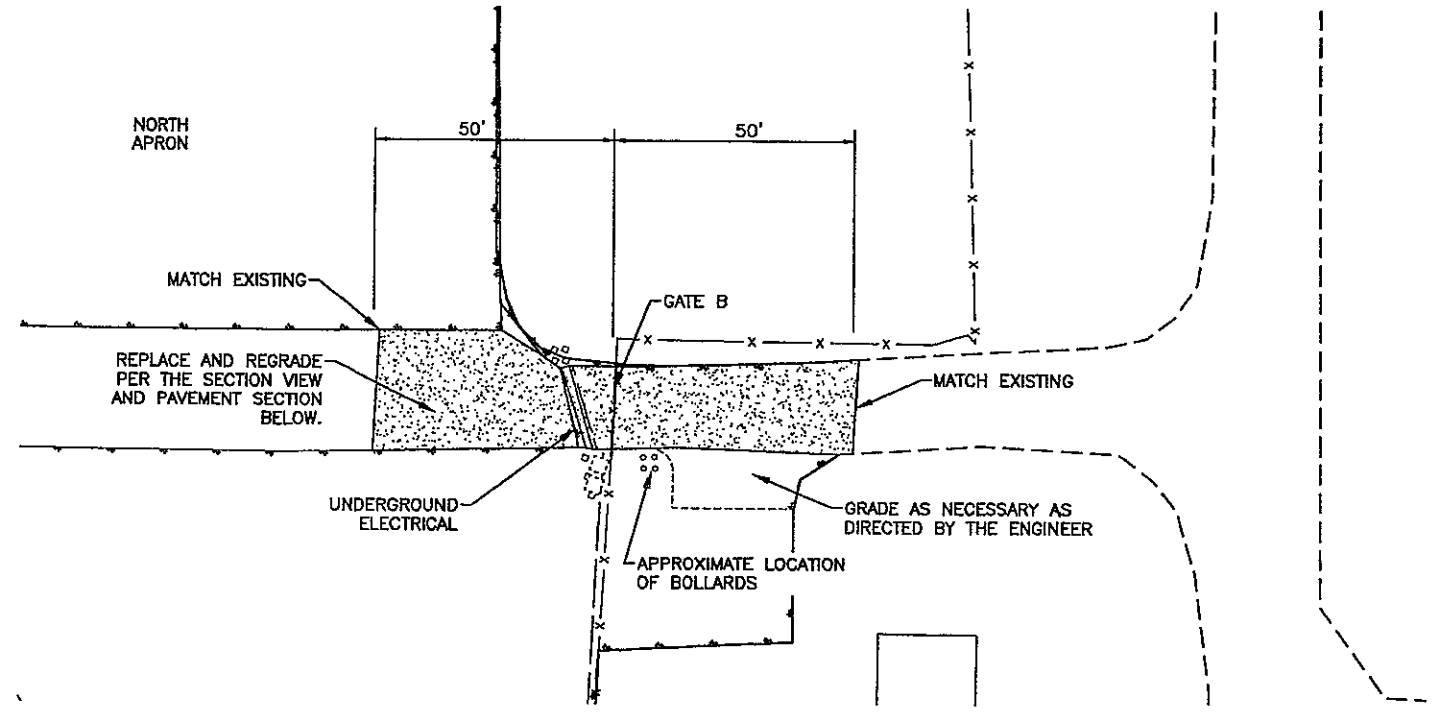
**SECTION A-A
APPROACH TYPICAL**

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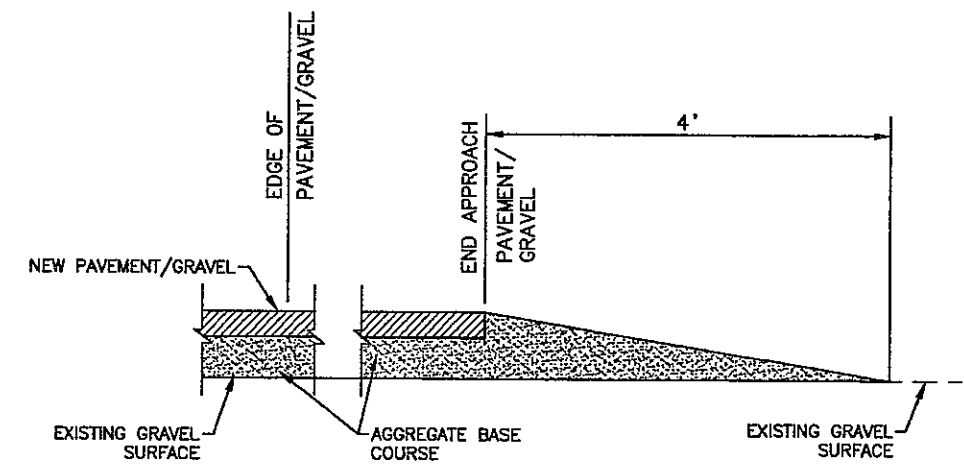


APPROACH PLAN VIEW

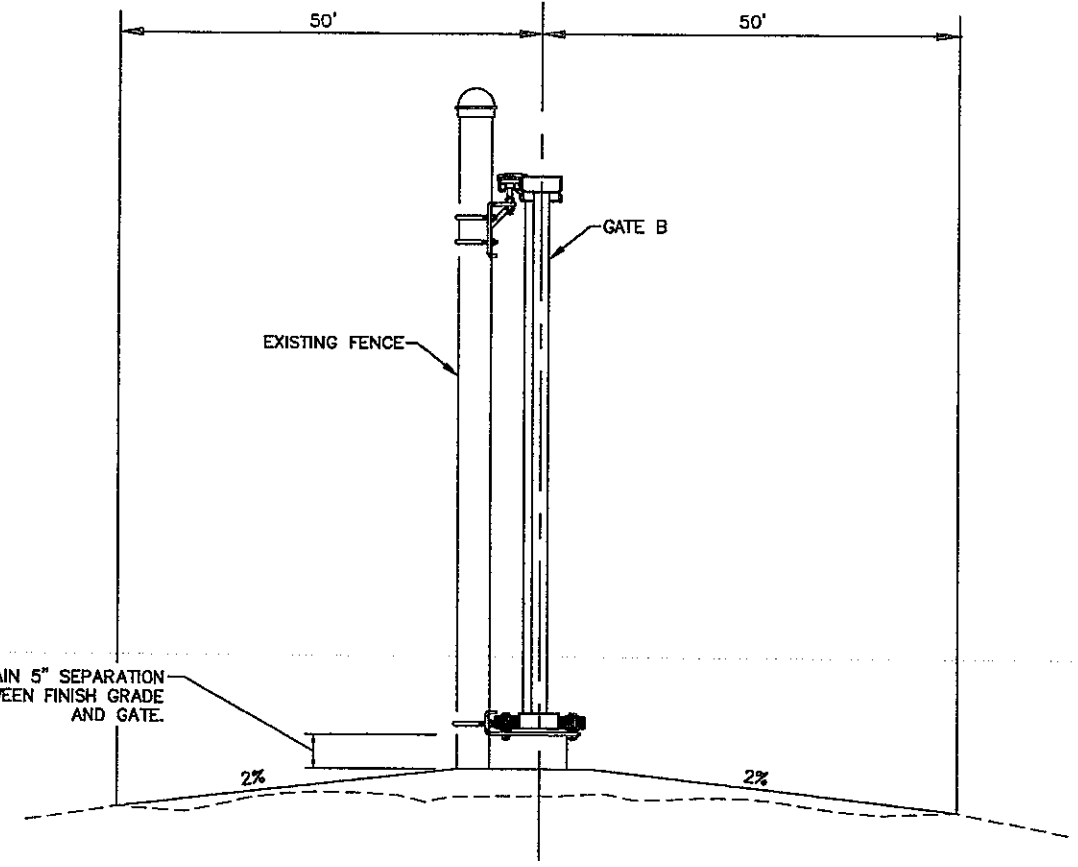
* MATCH EXISTING WIDTH OR AS DIRECTED BY THE ENGINEER.
 ** PAVE TO RADIUS RETURN OR 20 FEET, WHICHEVER IS GREATER.
 WHERE EXISTING APPROACHES ARE PAVED INTO THE RIGHT OF WAY, EXTEND NEW PAVEMENT TO MATCH EXISTING.



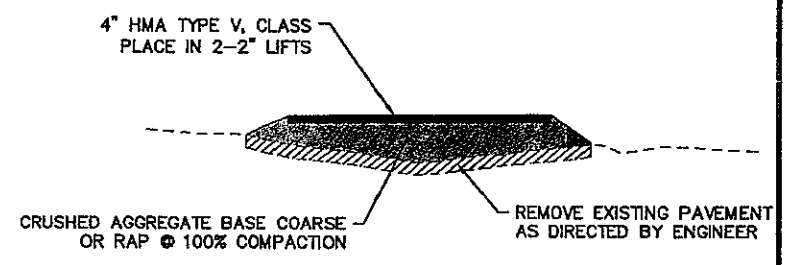
PAVEMENT REPAIR GRADING PLAN VIEW
 SCALE: 1"=20'



SECTION A-A FOR APPROACH



SECTION VIEW



PAVEMENT SECTION

As Built



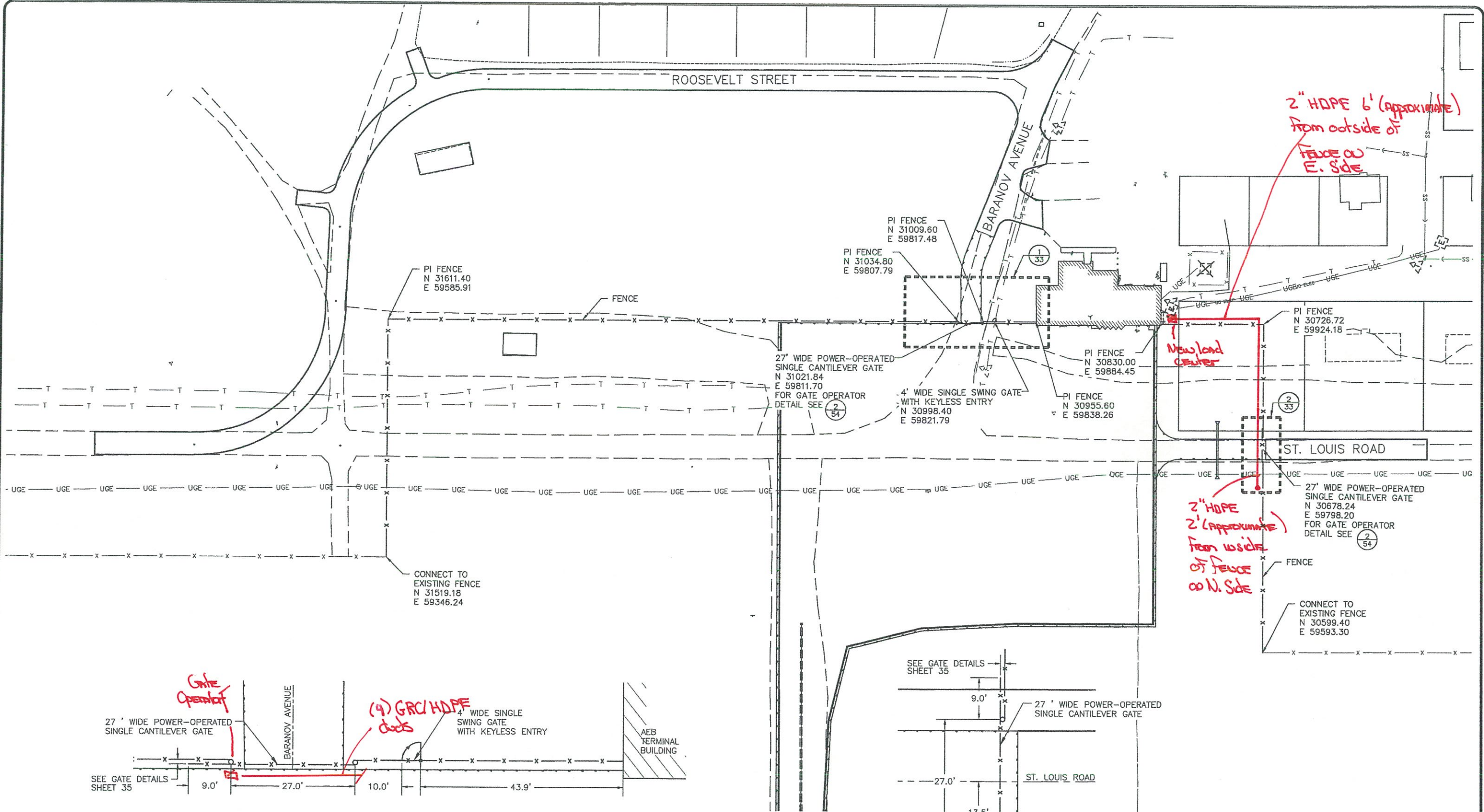
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 GRAVEL TO PAVEMENT DETAILS

DATE: 5/3/2016
 SHEET: 32 OF 97
 AS-BUILT SHEET:

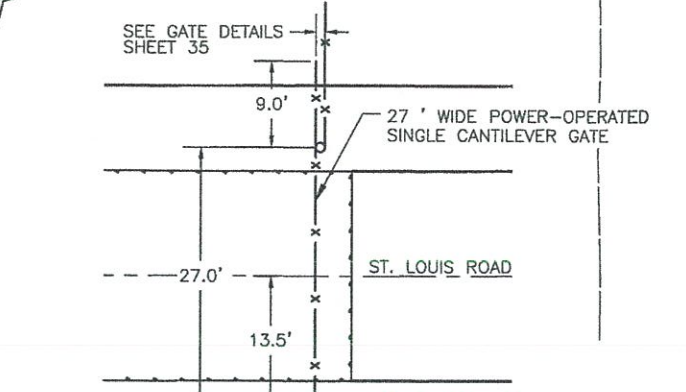
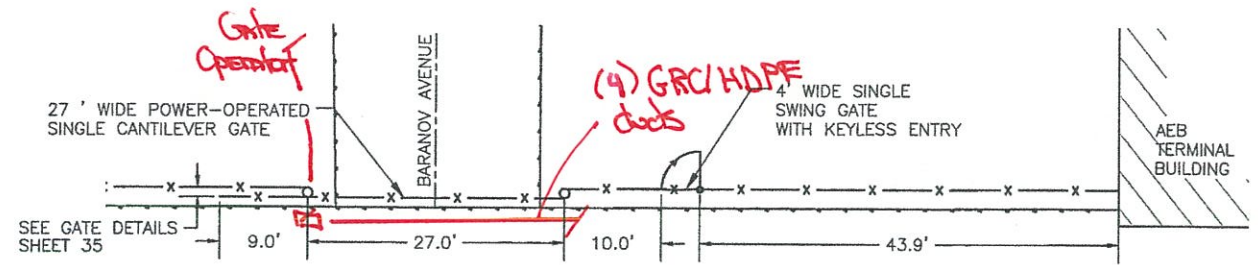
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 Drawn By: C. SLATTEN
 Checked By: B. HANSON
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2" HDPE 6' (APPROXIMATE)
 FROM OUTSIDE OF
 FENCE ON
 E. Side

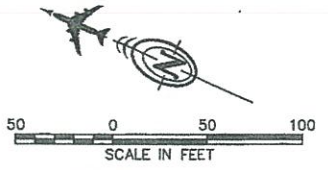
New load center

2" HDPE
 2' (APPROXIMATE)
 FROM INSIDE
 OF FENCE
 ON N. Side



1 GATE INSTALLATION LAYOUT - BARANOV AVENUE NTS

2 GATE INSTALLATION LAYOUT - ST. LOUIS ROAD NTS



As-Built

- NOTES
- NORTHING AND EASTING OF THE GATE CALLOUTS INDICATE CENTER POINT OF THE NEW GATE.



BY	DATE	REVISION

STATE OF ALASKA
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 AND PUBLIC FACILITIES
 CENTRAL REGION

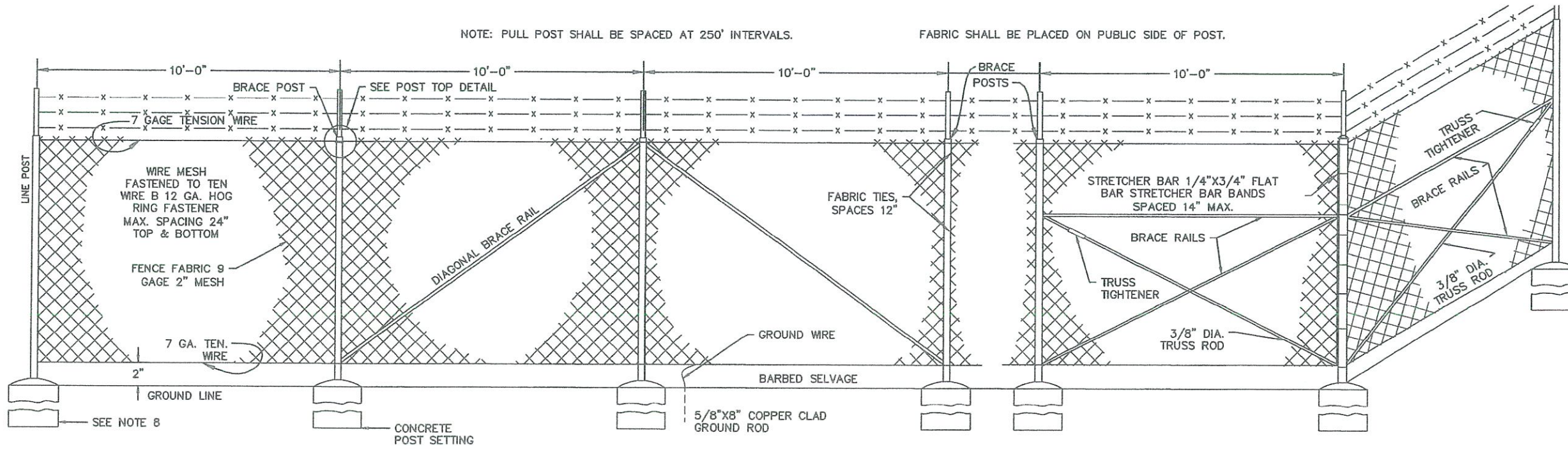
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 FENCING PLAN

DATE: 5/11/2016
 SHEET: 33 OF 97
 AS-BUILT SHEET:

Date Revised: 5/03/2016, 2:18 PM
 Layout Name: Enclo Details (34)
 File Path and Name: O:\2A\61111\65CAD\Aviation\Design\3411-AV-DT-CDB.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON

NOTE: PULL POST SHALL BE SPACED AT 250' INTERVALS.

FABRIC SHALL BE PLACED ON PUBLIC SIDE OF POST.



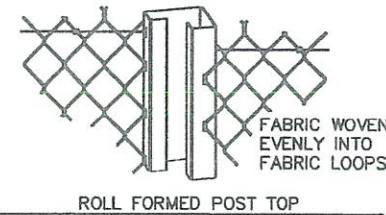
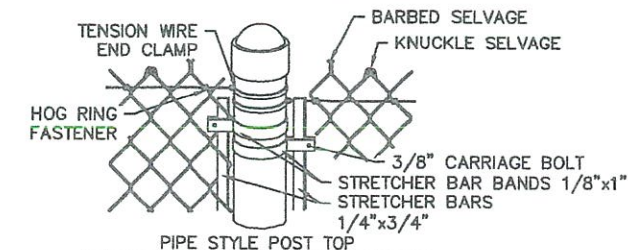
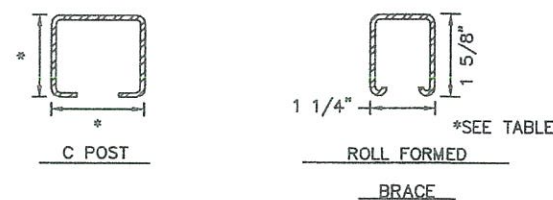
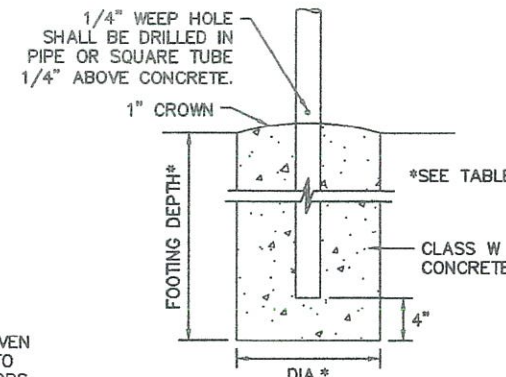
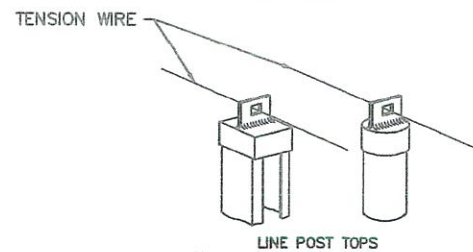
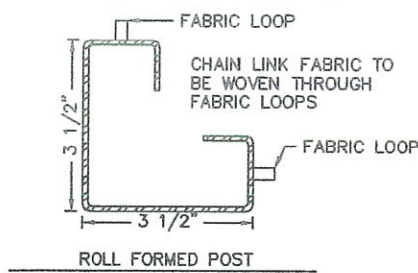
- NOTES:**
1. POSTS SHALL BE SPACED EQUAL DISTANCES APART. MAXIMUM SPACING SHALL BE 10 FEET UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 2. POST TOPS SHALL BE SECURELY FASTENED TO POST.
 3. BRACE RAILS AND TRUSS RODS SHALL BE SECURELY FASTENED TO POST WITH BRACE BANDS WITH THREADED TAKE-UP ADAPTER FOR 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.

Line post driven to 5' Embedment.

TYPICAL FENCE SECTION

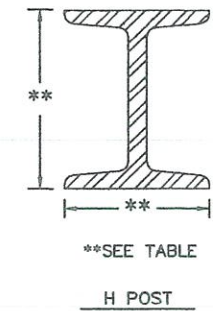
TYPICAL PULL POST

TYPICAL CORNER OR TERMINAL POST



CONCRETE POST SETTING

FABRIC HEIGHT	POST														TOP OR BRACE RAIL				ALTERNATE POST			
	END-CORNER-PULL				LINE-BRACE				PIPE						H POST		H POST					
	PIPE SIZE	WT./FT.	SQUARE TUBE SIZE	WT./FT.	ROLL FORMED SIZE	WT./FT.	FOOTING DEPTH	FOOTING DIA.	PIPE SIZE	WT./FT.	C POST SIZE	WT./FT.	FOOTING DEPTH	FOOTING DIA.	PIPE SIZE	WT./FT.	ROLL FORMED SIZE	WT./FT.	H POST SIZE	WT./FT.	LINE-BRACE H POST 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 #



1 CHAIN LINK FENCE DETAILS
34 NTS

As-Built



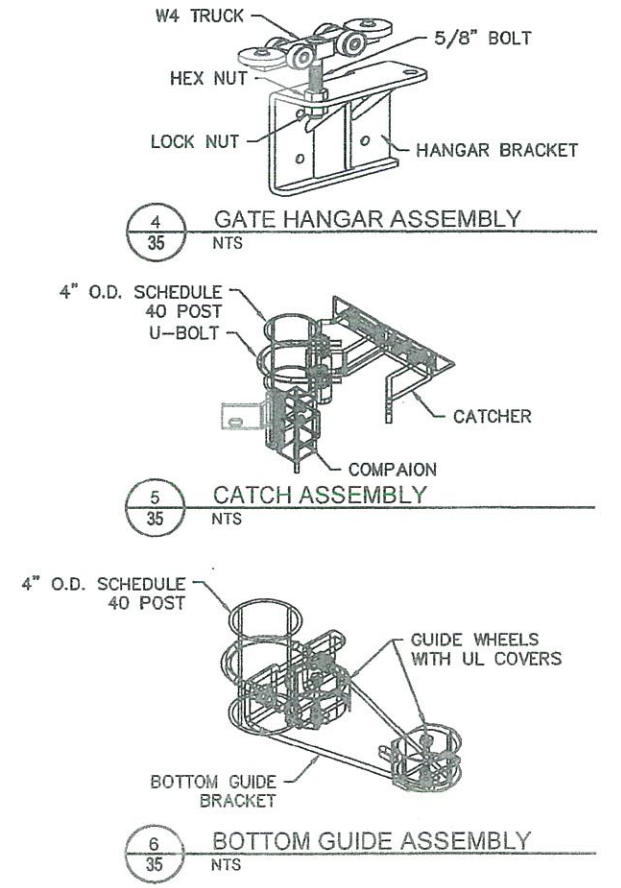
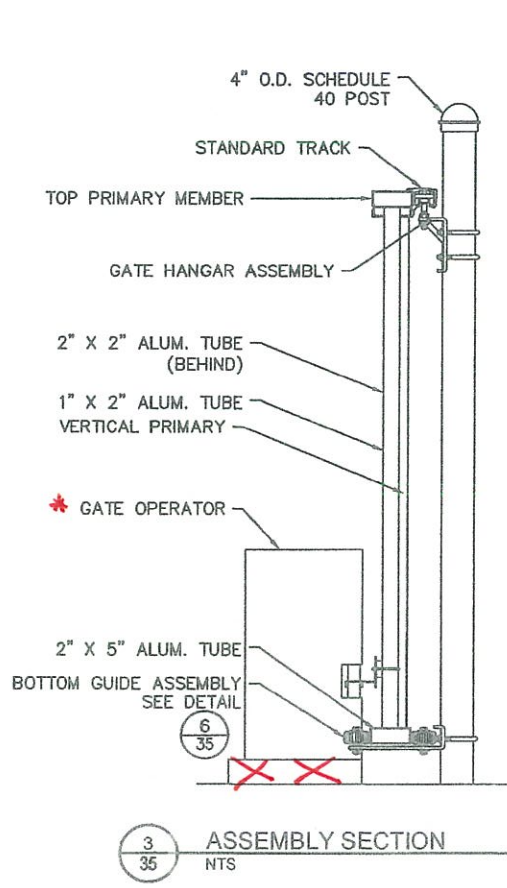
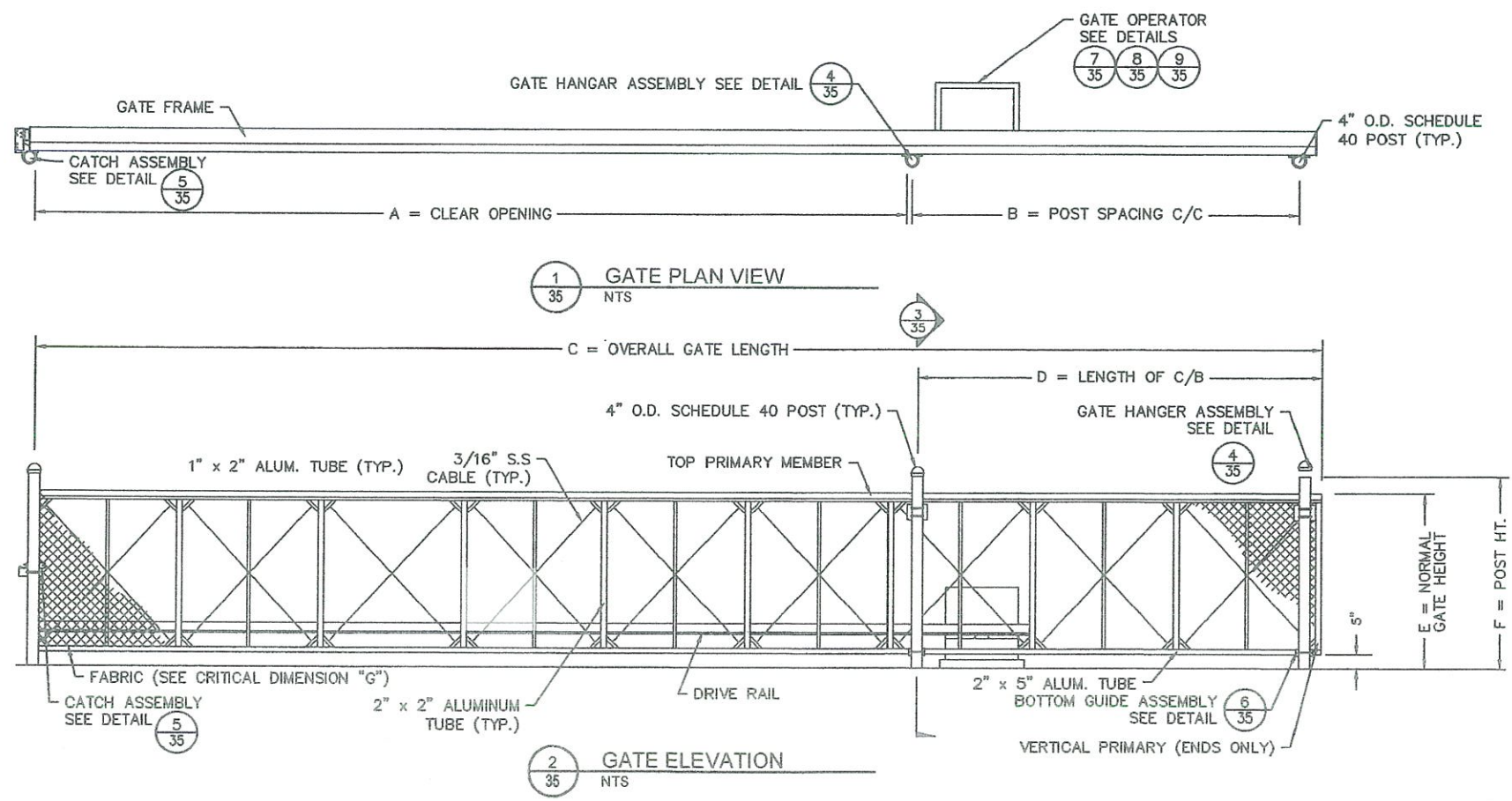
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. Z537540000
AIP No. 3-02-0065-011-2016
FENCING DETAILS

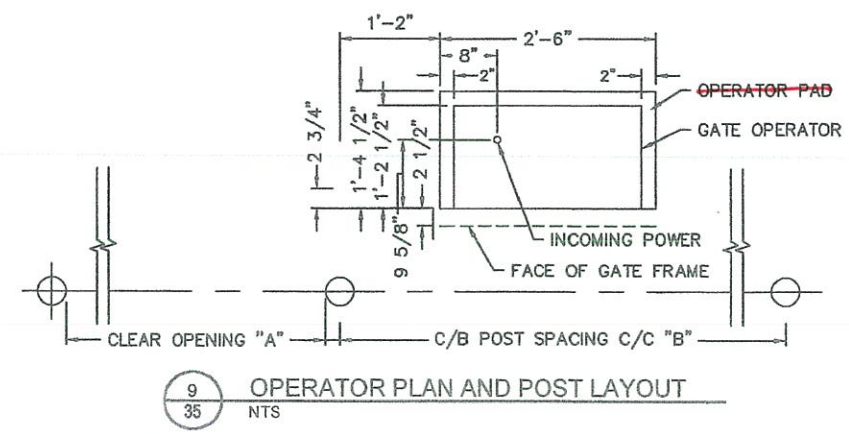
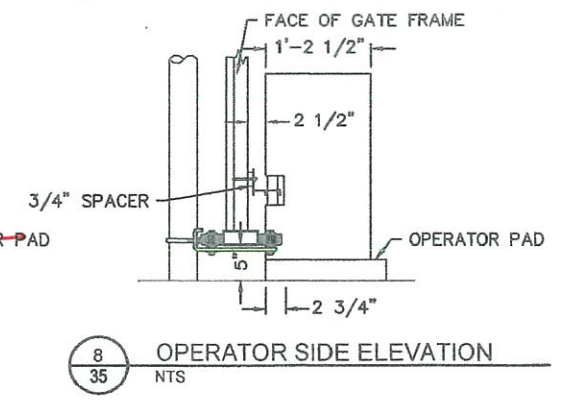
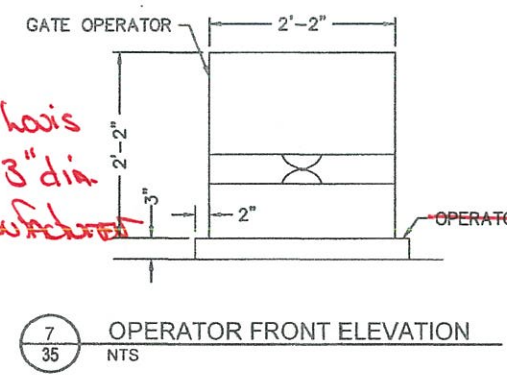
DATE: 5/3/2016
SHEET: 34 OF 97
AS-BUILT SHEET

5/03/2016, 2:18 PM
 Date Revised:
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 Layout Name:
 G:\2\A\61111\65000\Revision\Design\SM11-AV-01-CDB.dwg
 File Path and Name:
 C. WILT
 C. SLATTEN
 B. HANSON
 Designed By:
 Drawn By:
 Checked By:



NOTE:
 1. FOR NON-MOTORIZED FENCE GATES OMIT GATE OPERATOR ASSEMBLY FROM DETAILS 1/35 AND 2/35

** Gate operator for
 BARRADO AVENUE + St. Louis
 Road installed w/ (2) 3" dia.
 steel posts per manufacturer
 instructions*



- NOTES:
- ALL FITTINGS PROVIDED FOR 4" O.D. SCHEDULE 40 POSTS. OTHER SIZES AVAILABLE UPON REQUEST.
 - GATE ELEVATION IS VIEWED FROM THE OUTSIDE OF THE SECURE AREA LOOKING IN.
 - THIS GENERIC DRAWING SHOWS TYPICAL GATE. GATE MANUFACTURED MAY NOT BE EXACTLY AS SHOWN.
 - FOR ADDITIONAL GATE OPERATOR INSTALLATION REQUIREMENTS, SEE SPECIFICATIONS SECTION F-171 POWER GATE OPERATORS.

CRITICAL DIMENSION CHART	
A	CLEAR OPENING
B	COUNTERBALANCE POST SPACING C/C
C	OVERALL GATE LENGTH
D	COUNTERBALANCE LENGTH
E	NOMINAL GATE HEIGHT
F	POST HEIGHT
G	FABRIC HEIGHT

As-Built



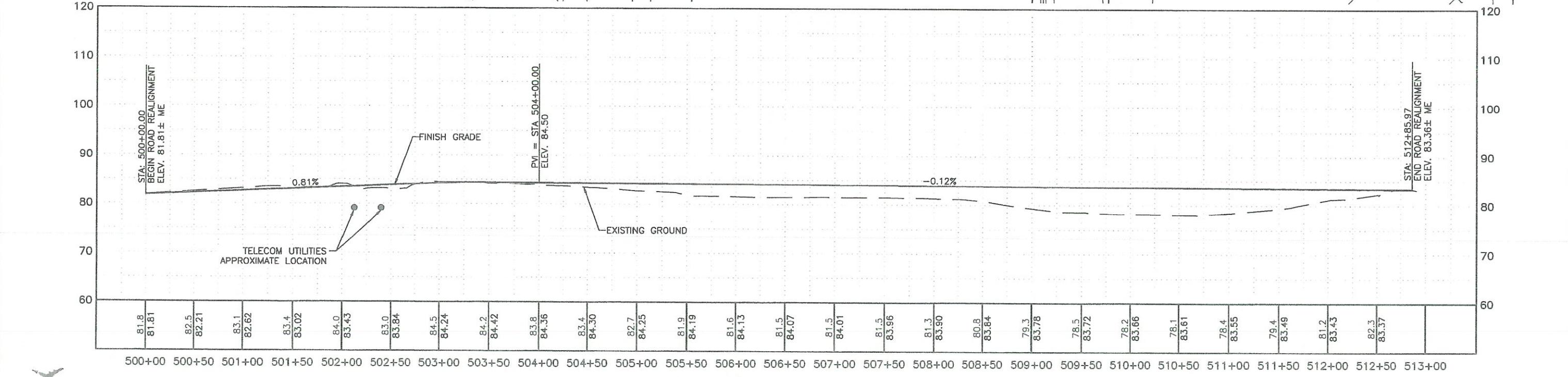
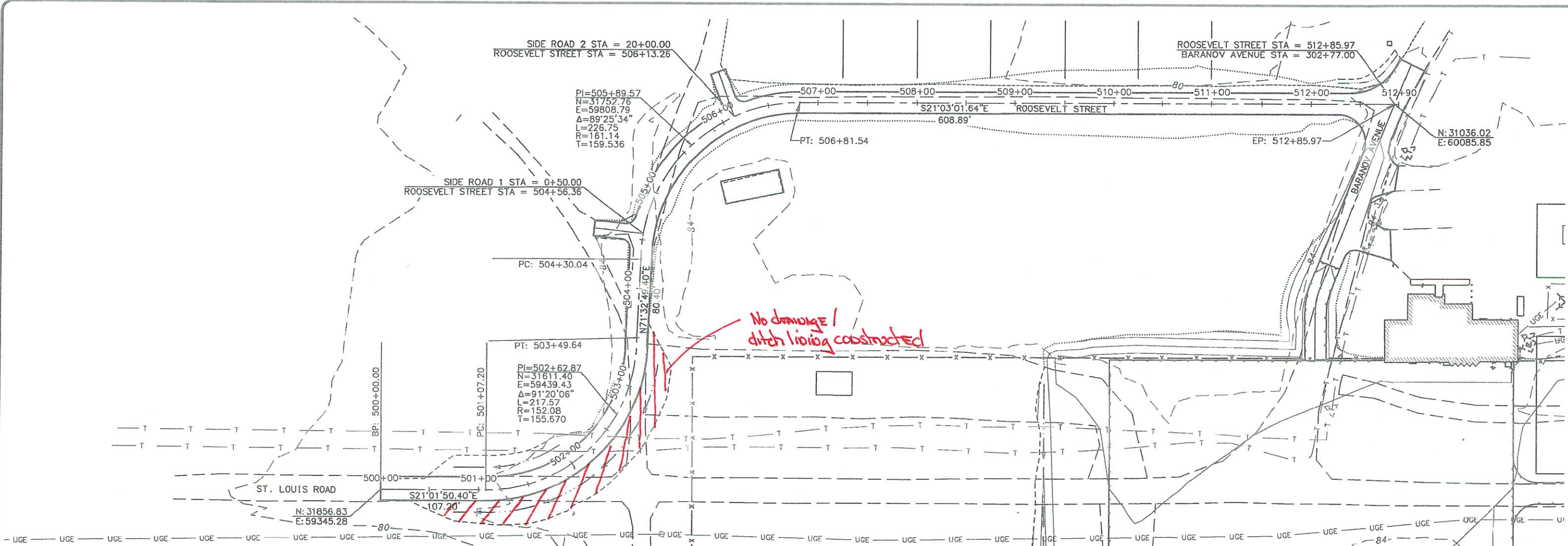
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 GATE DETAILS

DATE: 5/3/2016
 SHEET: 35 OF 97
 AS-BUILT SHEET

Date Revised: 5/03/2016, 2:18 PM
 Layout Name: Road Plan and Profile - Roosevelt (36)
 File Path and Name: Q:\24\6111\65CAD\Aviation\Design\311-AV-AF-CDB1.dwg
 Designed By: C. WILLY
 Drawn By: C. SUTTEN
 Checked By: B. HANSON



As-Built



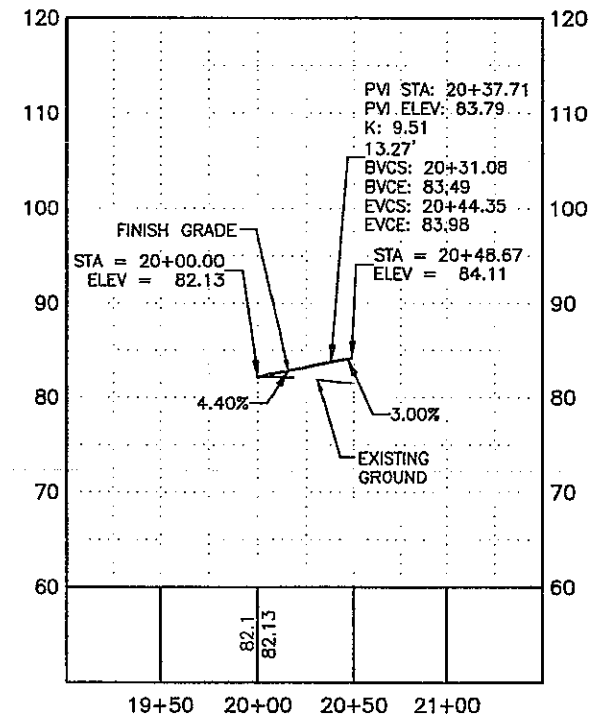
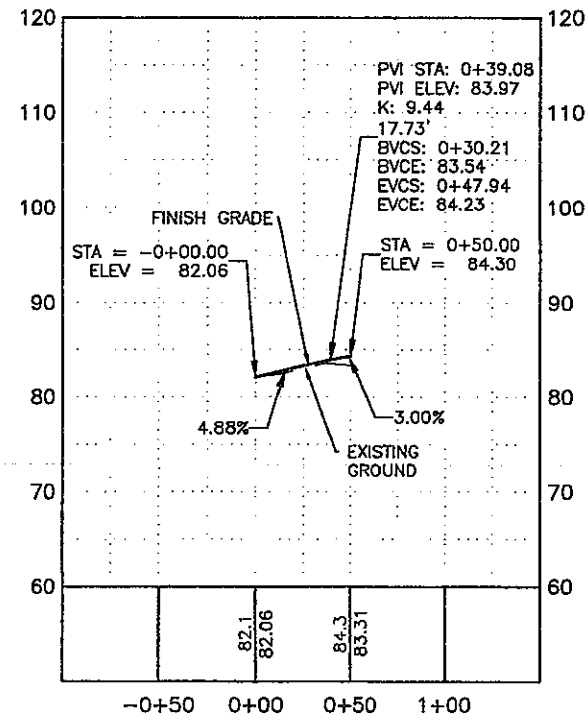
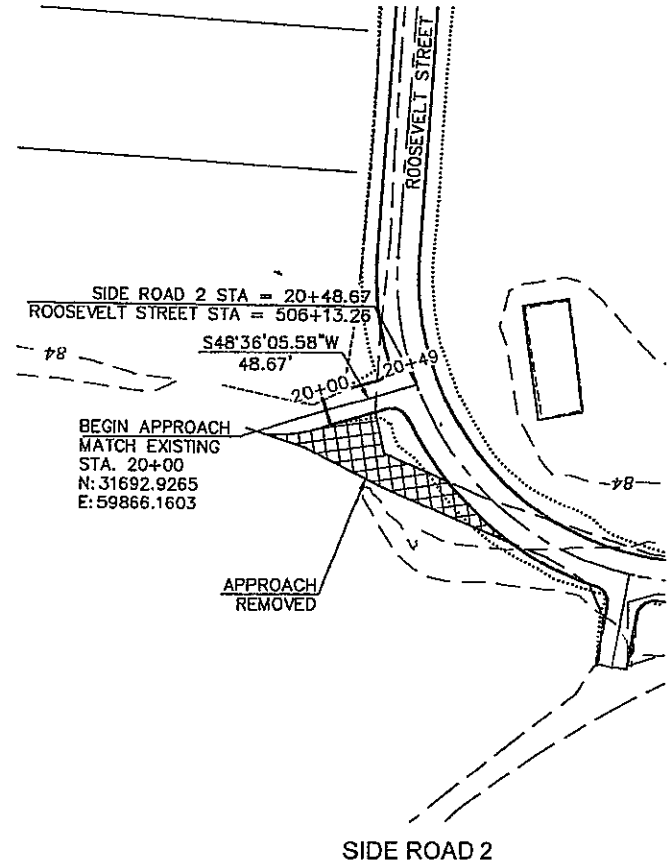
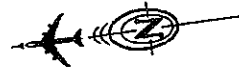
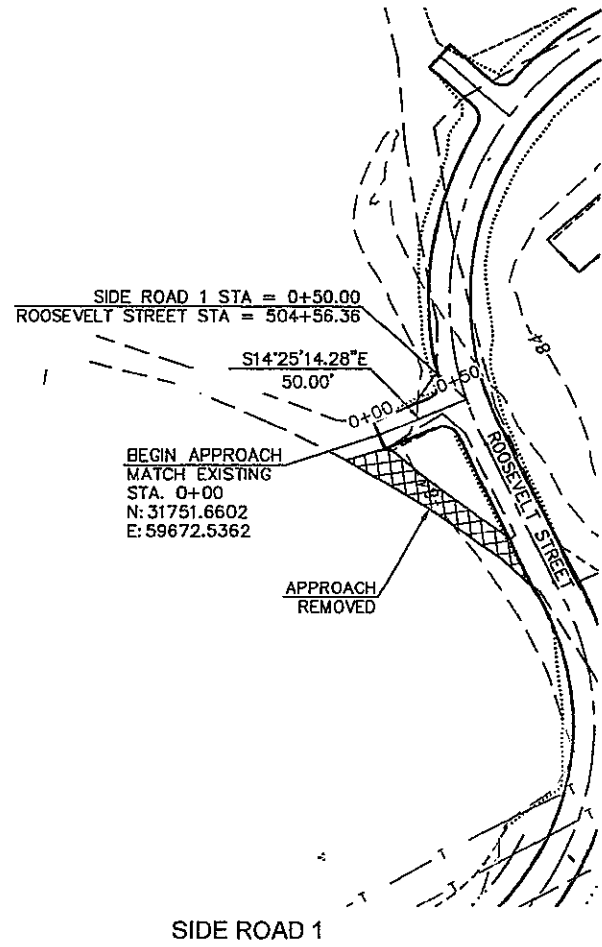
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 ROOSEVELT STREET

DATE: 5/3/2016
 SHEET: 36 OF 97
 AS-BUILT SHEET:

Date Revised: 5/03/2016, 2:19 PM
 Layout Name: Road Plan and Profile-Side Road (2)
 File Path and Name: Q:\216111\5500\Variation\Design\SC1-AF-CDB1.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON



As-Built



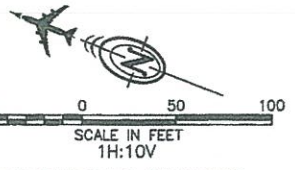
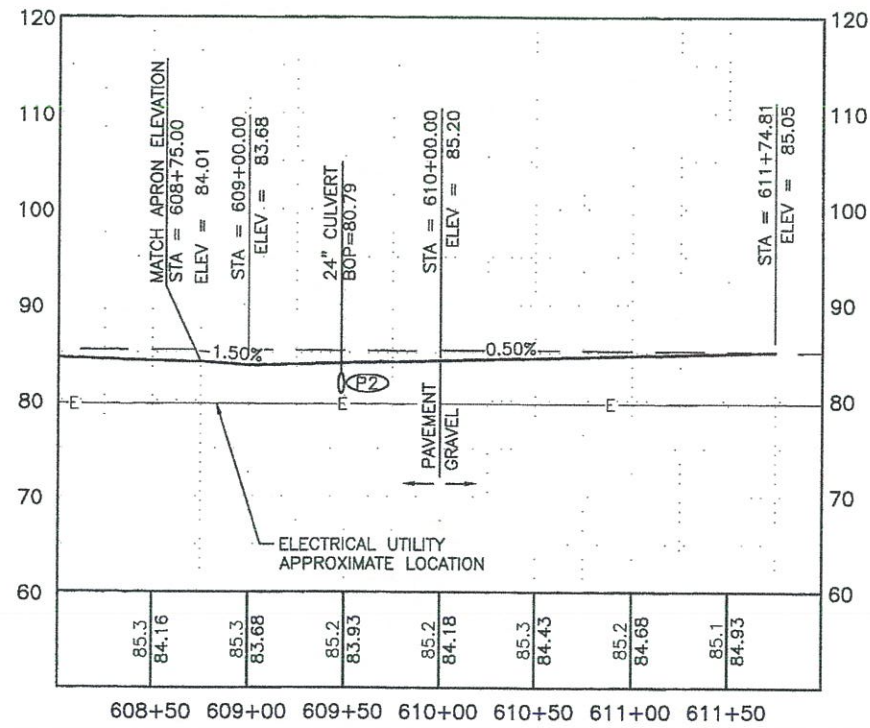
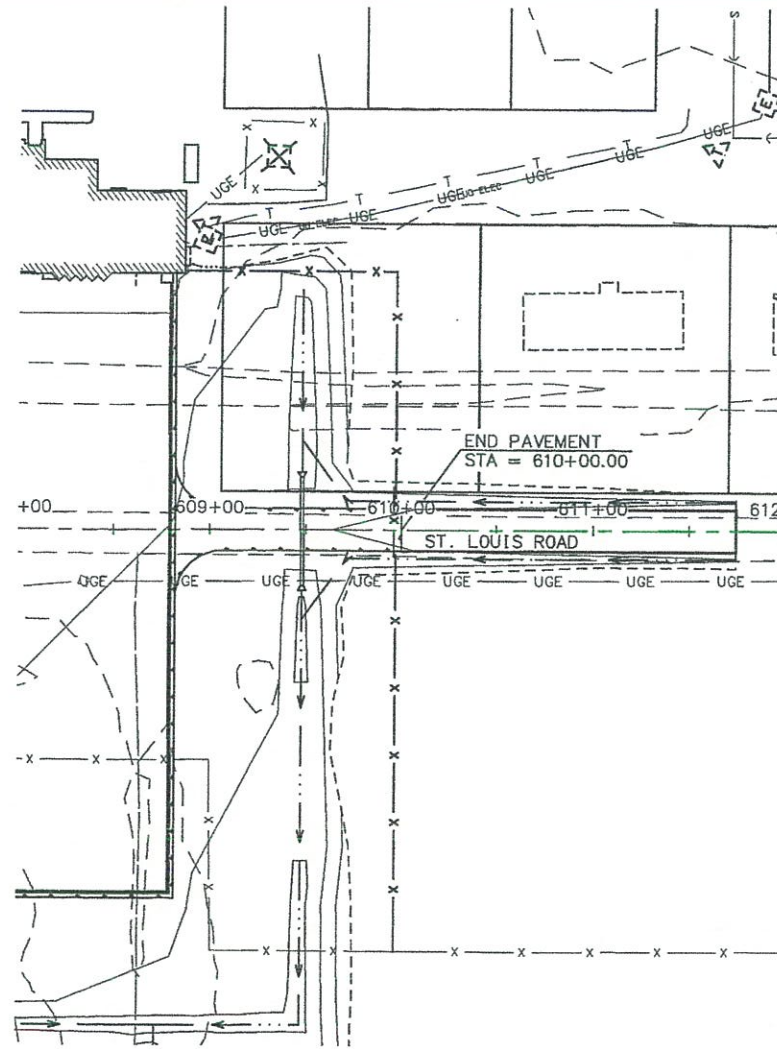
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 SIDE ROADS

DATE: 5/3/2016
 SHEET: 37 OF 97
 AS-BUILT SHEET:

Date Revised: 5/10/2016, 11:34 AM
 Layout Name: Road Plan and Profile--St. Louis (36)
 File Path and Name: C:\24\61111\65CAD\Aerial\Design\SC11-AF-CDB1.dwg
 Designed By: C. WILT
 Drawn By: C. SLATTERY
 Checked By: B. HANSON



As-Built



BY	DATE	REVISION

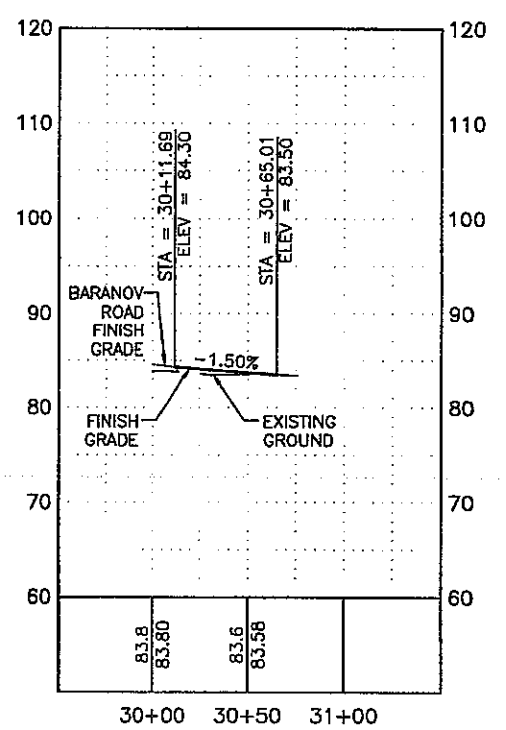
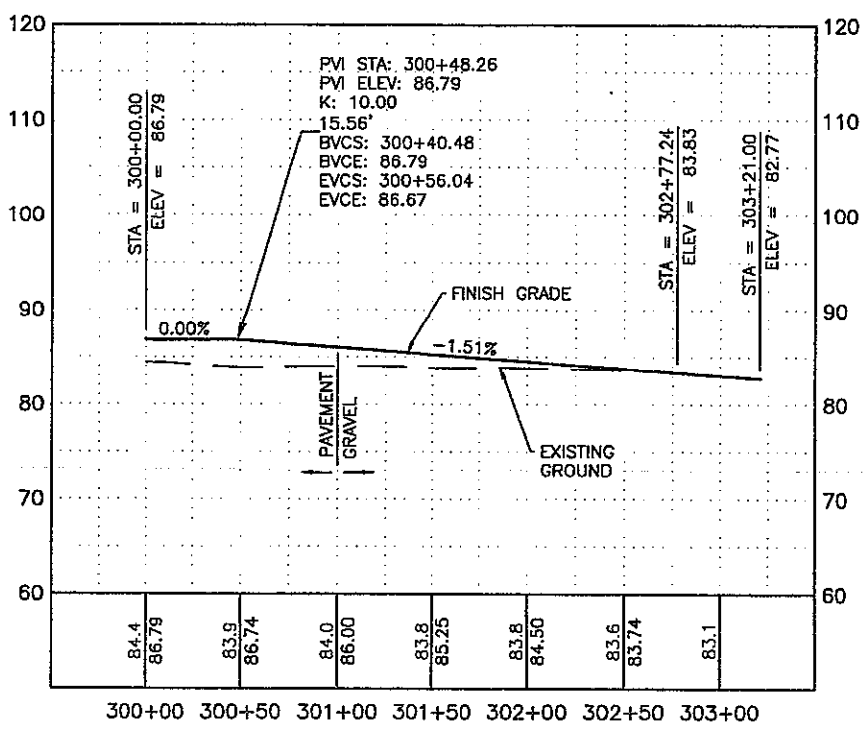
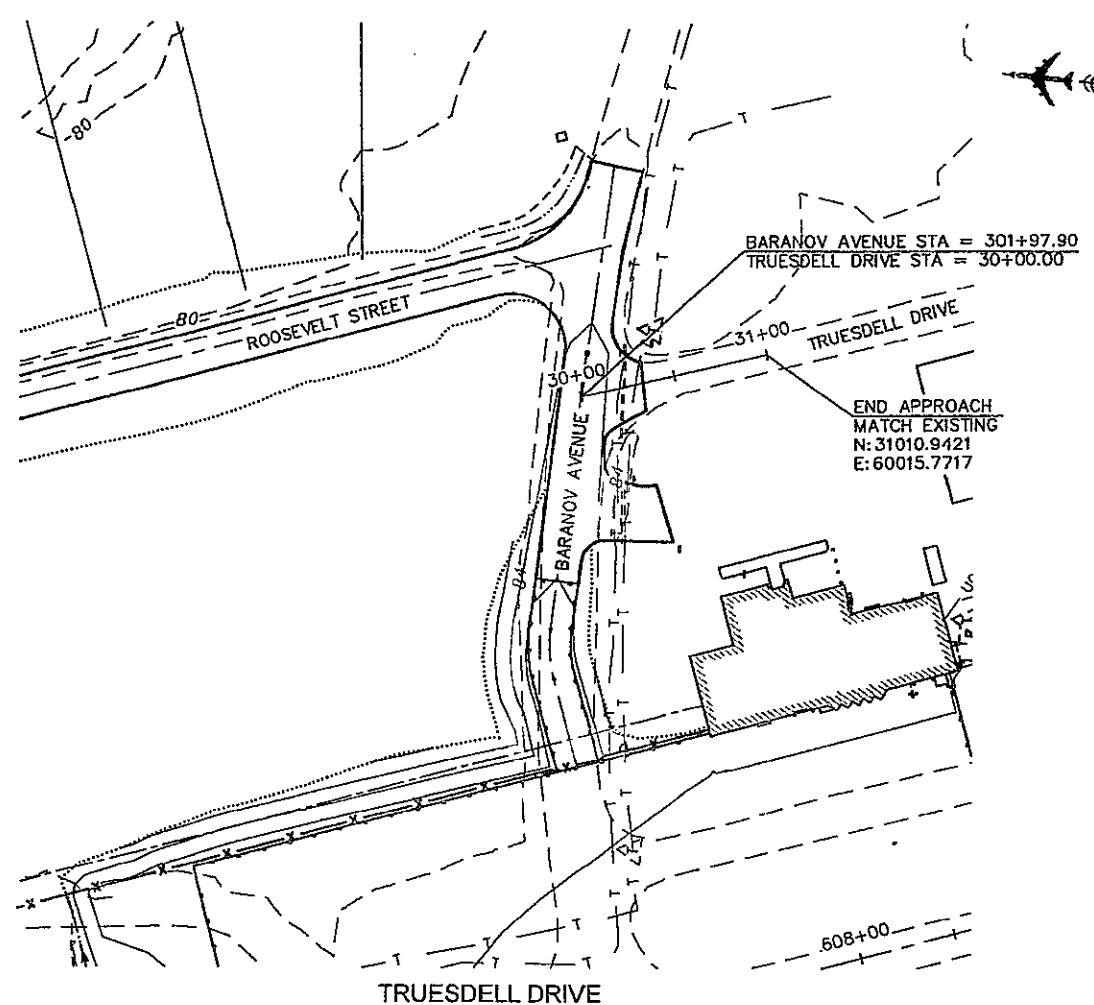
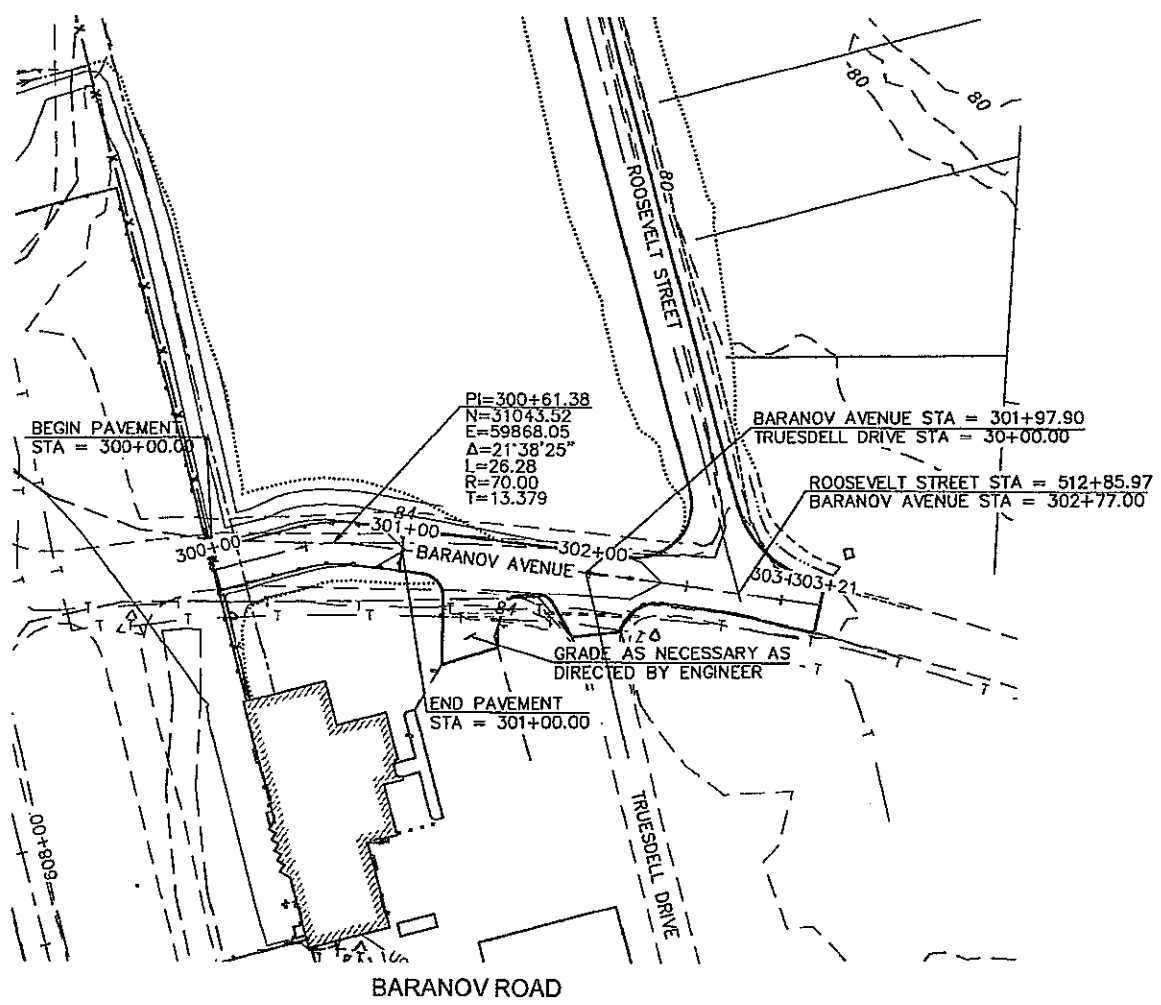
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 ST. LOUIS ROAD

DATE: 5/10/2016
 SHEET: 38 OF 97
 AS-BUILT SHEET:

PLAN PREPARED BY DOWL

Date Revised: 5/03/2016, 2:20 PM
 Layout Name: Road Plan and Profile-Baranov (19)
 File Path and Name: Q:\24\6111\6560\Aerial\Design\611-AV-AF-COBL.dwg
 Designed By: C. WINT
 Drawn By: C. SUTTER
 Checked By: B. HANSON



As-Built



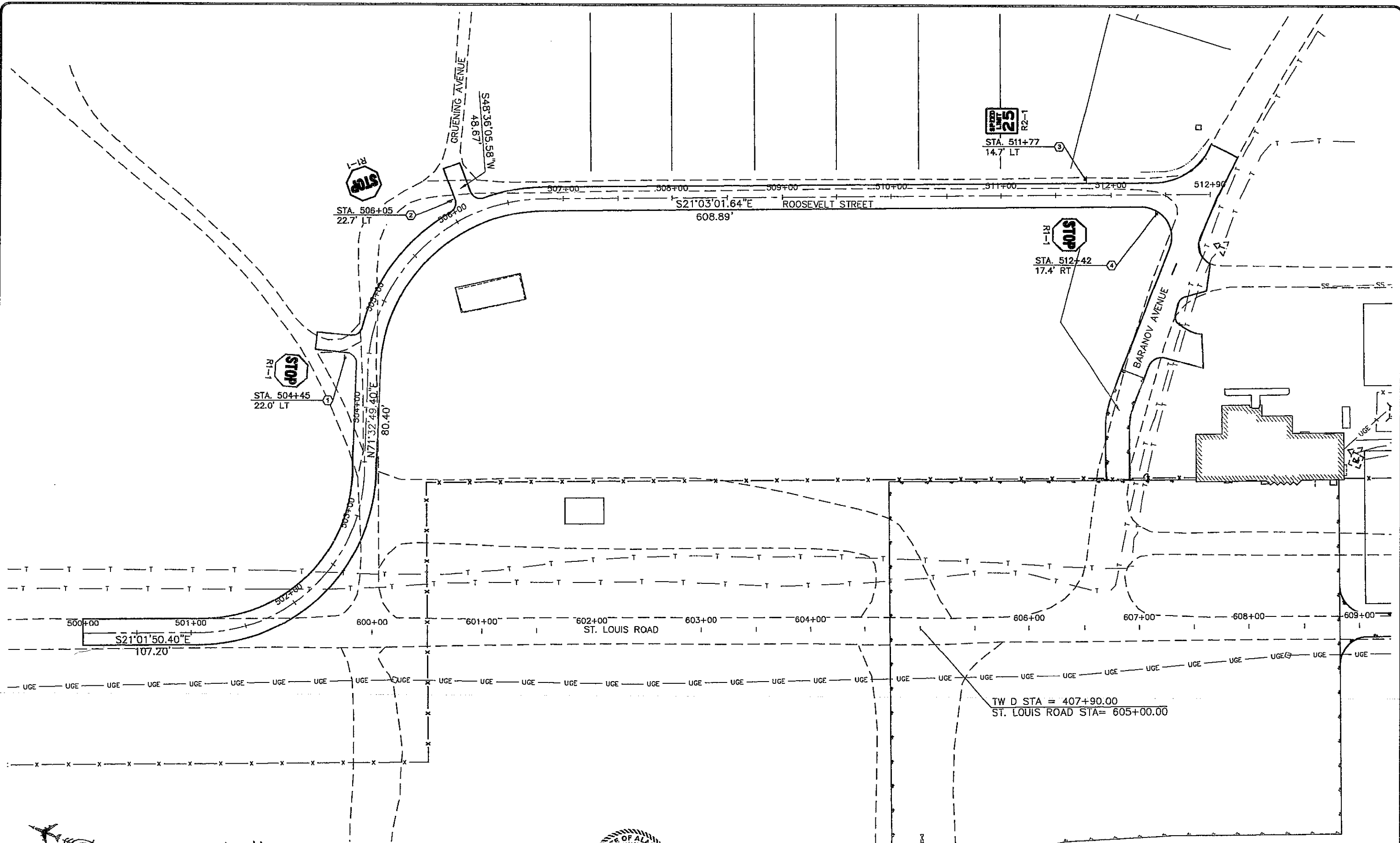
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 PLAN AND PROFILE
 BARANOV ROAD

DATE: 5/3/2016
 SHEET: 39 OF 97
 AS-BUILT SHEET:

Date Revisd: 5/03/2016, 2:21 PM
 Layout Name: Roosevelt Street Sign Plan (40)
 File Path and Name: C:\24\6111\052AD\Aviation\Design\SA11-RV-SR-CRB.dwg
 Designed By: C. WILT
 Created By: C. SLATTEN
 Checked By: B. HANSON



As-Built



BY	DATE	REVISION





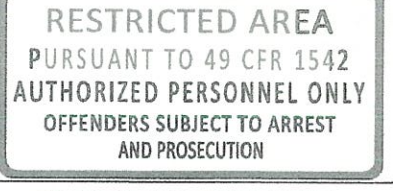
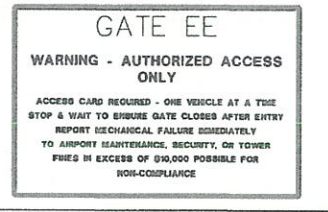
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

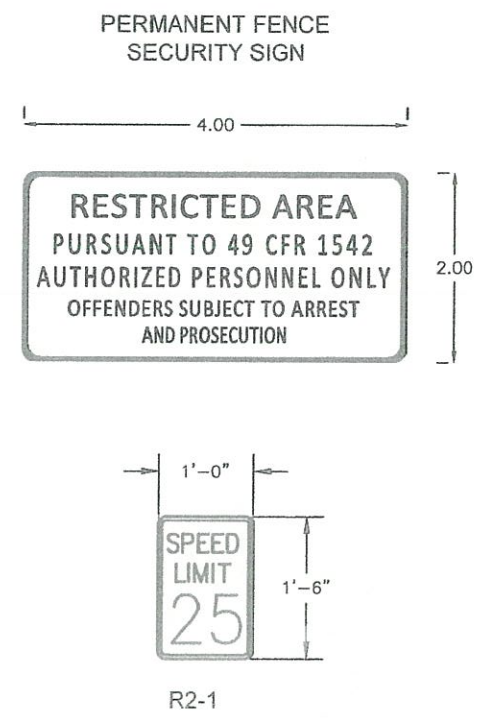
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 SIGN PLAN
 ROOSEVELT STREET

DATE: 5/3/2016
 SHEET: 40 OF 97
 AS-BUILT SHEET:

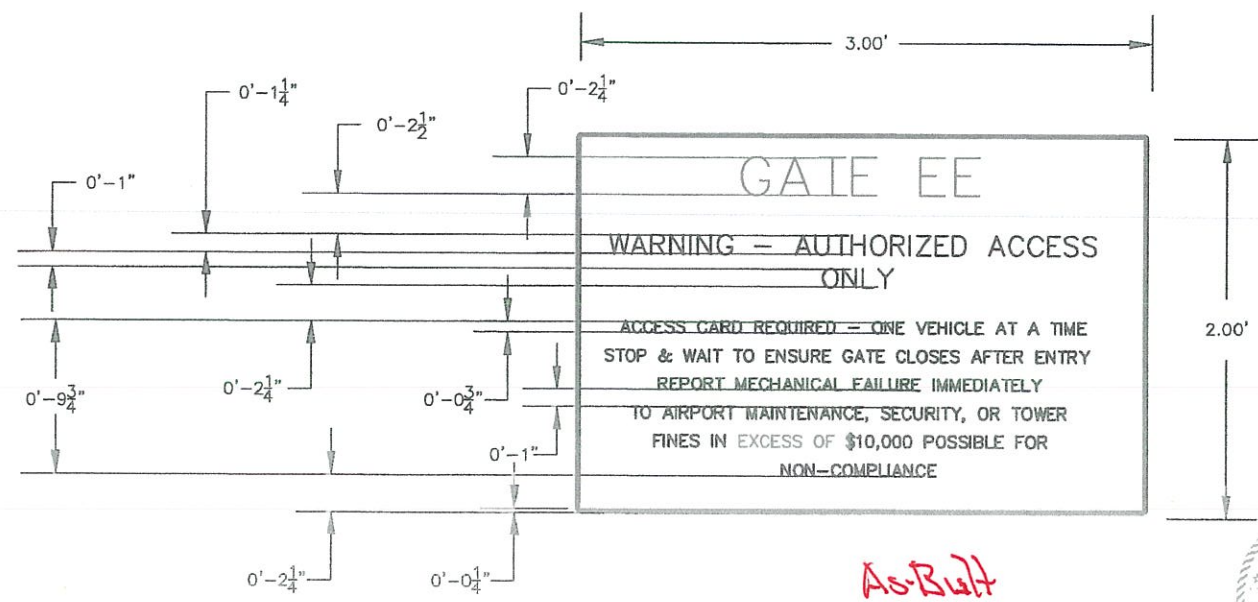
PLAN PREPARED BY DOWL

5/03/2016, 2:27 PM
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 User: C:\Users\cslater\Documents\Sign\11-NV-01-COB.dwg
 File Path and Name: C:\Users\cslater\Documents\Sign\11-NV-01-COB.dwg
 Designed By: C. WILT
 Drawn By: C. SLATER
 Checked By: B. HANSON

WORK AREA	POST NO.	NORTHING	EASTING	TYPE	LEGEND	SIZE (FT)		AREA (FT ²)	SIGN FACES	POST NO, SIZE, & TYPE	THICKNESS (in) FRAMED		REMARK	QUANTITY
						HEIGHT					YES	NO		
ROOSEVELT STREET	1	59708.45	31778.21	R1-1		2.50	2.50	6.25	W, S, N	SEE CBJ STANDARD 127A		0.125		1
ROOSEVELT STREET	2	59857.36	31687.05	R1-1		2.50	2.50	6.25	W, S, N	SEE CBJ STANDARD 127A		0.125		1
ROOSEVELT STREET	3	60058.72	31147.53	R2-1		2.00	2.50	5.00	E	2.5"x2.5", PT		0.125		1
ROOSEVELT STREET	4	60052.08	31075.33	R1-1		2.50	2.50	6.25	W, S, N	SEE CBJ STANDARD 127A		0.125		1
FENCE PLAN	N/A	N/A	N/A	ALUMINUM		4.00	2.00	8.00	VARIES	N/A		0.125	TO BE PLACED EVERY 300 FEET ON PUBLIC SIDE OF FENCE.	5
GATES	N/A	N/A	N/A	ALUMINUM		3.00	2.00	6	VARIES	N/A		0.125	WHITE LETTERING AND BORDER ON RED BACKGROUND. INSTALL PROPER GATE SIGN (GATE NAME) ON PUBLIC SIDE OF EACH CORRESPONDING GATE AND BACK-TO-BACK WITH SIGN BELOW.	* 3



** (2) Signs for (2) gates with 3rd sign turned over to DOT Airport M+O.*



- NOTES**
- ALL TEXT CENTERED VERTICALLY ON SIGN PANEL
 - ALL ALUMINUM PANELS

PLAN PREPARED BY DOWL



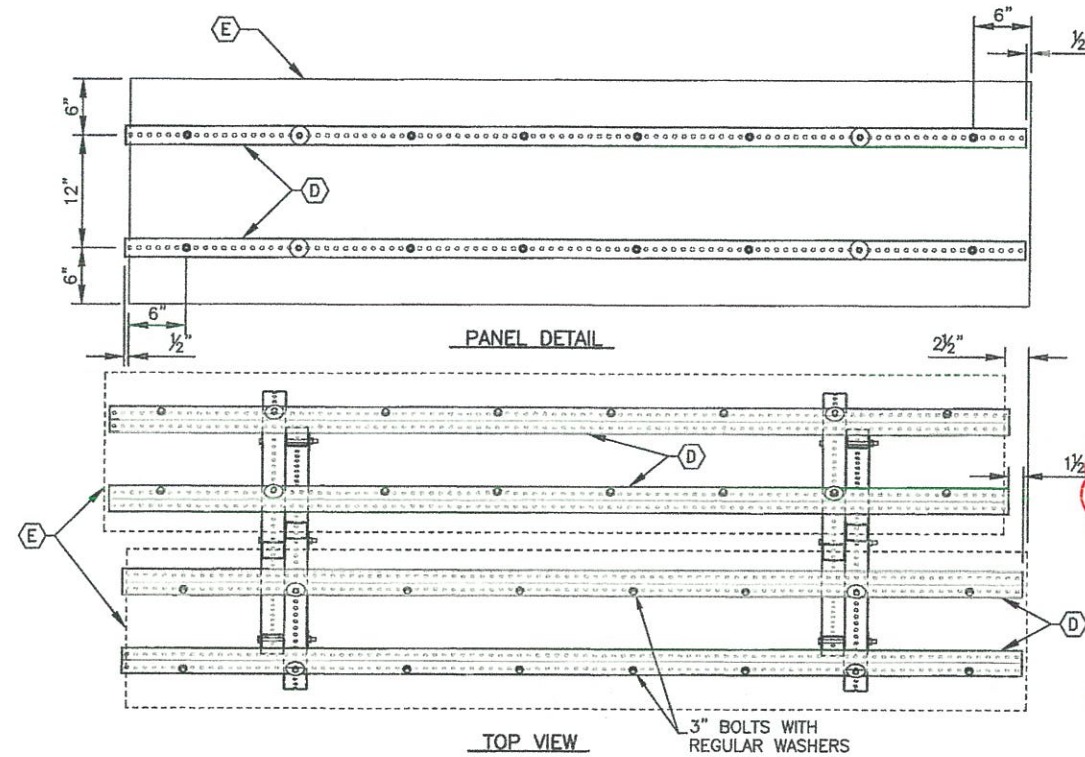
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. Z537540000
 AIP No. 3-02-0065-011-2016
 SIGN DETAILS
 ROOSEVELT STREET

DATE: 5/3/2016
 SHEET: 41 OF 97
 AS-BUILT SHEET:

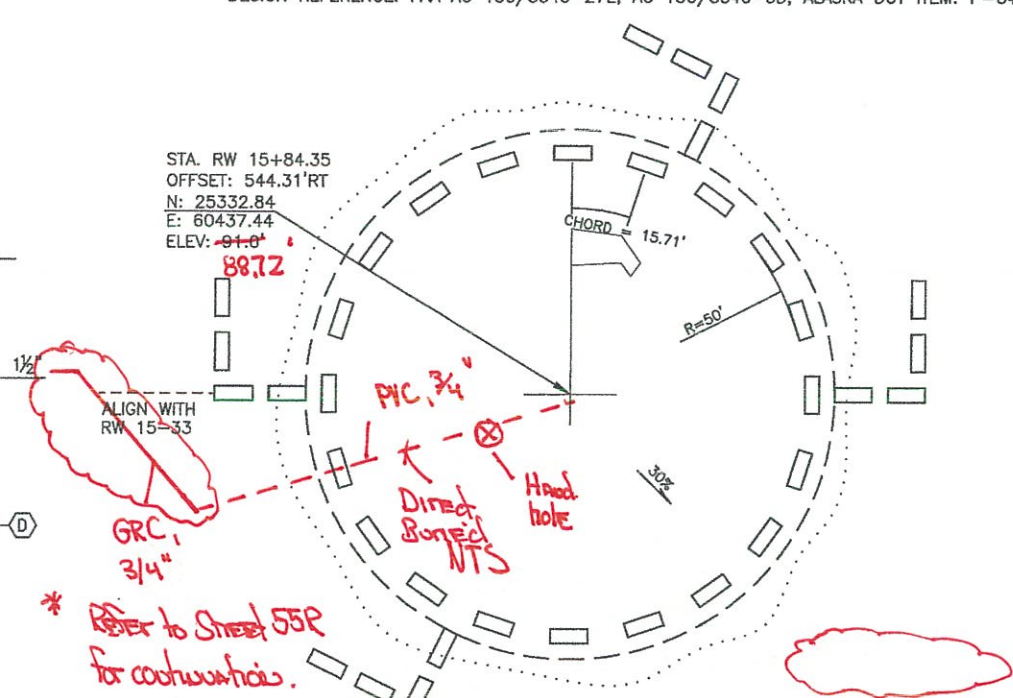
PIECE	DESCRIPTION	QUANTITY
A	2-1/2" SQ GALV STEEL PERF TUBE, 60", NOTCHED	2
B	2-1/2" SQ GALV STEEL PERF TUBE, 76-1/2"	4
C	2-1/2" SQ GALV STEEL PERF TUBE, 19-1/2"	4
D	2" SQ GALV STEEL PERF TUBE, 96"	4
E	24" X 96" X 0.08" - 0.09" THICK ALUMINUM 6061-T6 OR 5052-H36/38	2
	3/8" X 3" GALV. BOLT, NUT	24
	3/8" X 5" GALV. BOLT, NUT	4
	3/8" X 6" GALV. BOLT, NUT	16
	3/8" GALV. REGULAR WASHER	48
	3/8" X 2" DIA. S.S. FENDER WASHER	40
	24" X 96" REFLECTIVE SHEETING	2



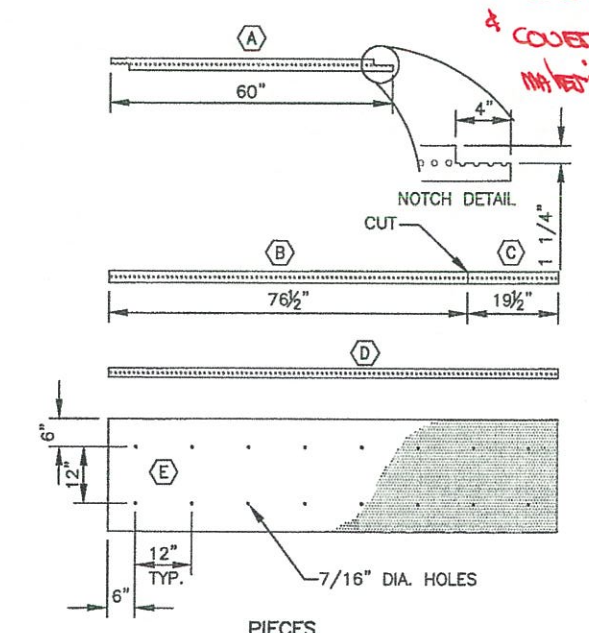
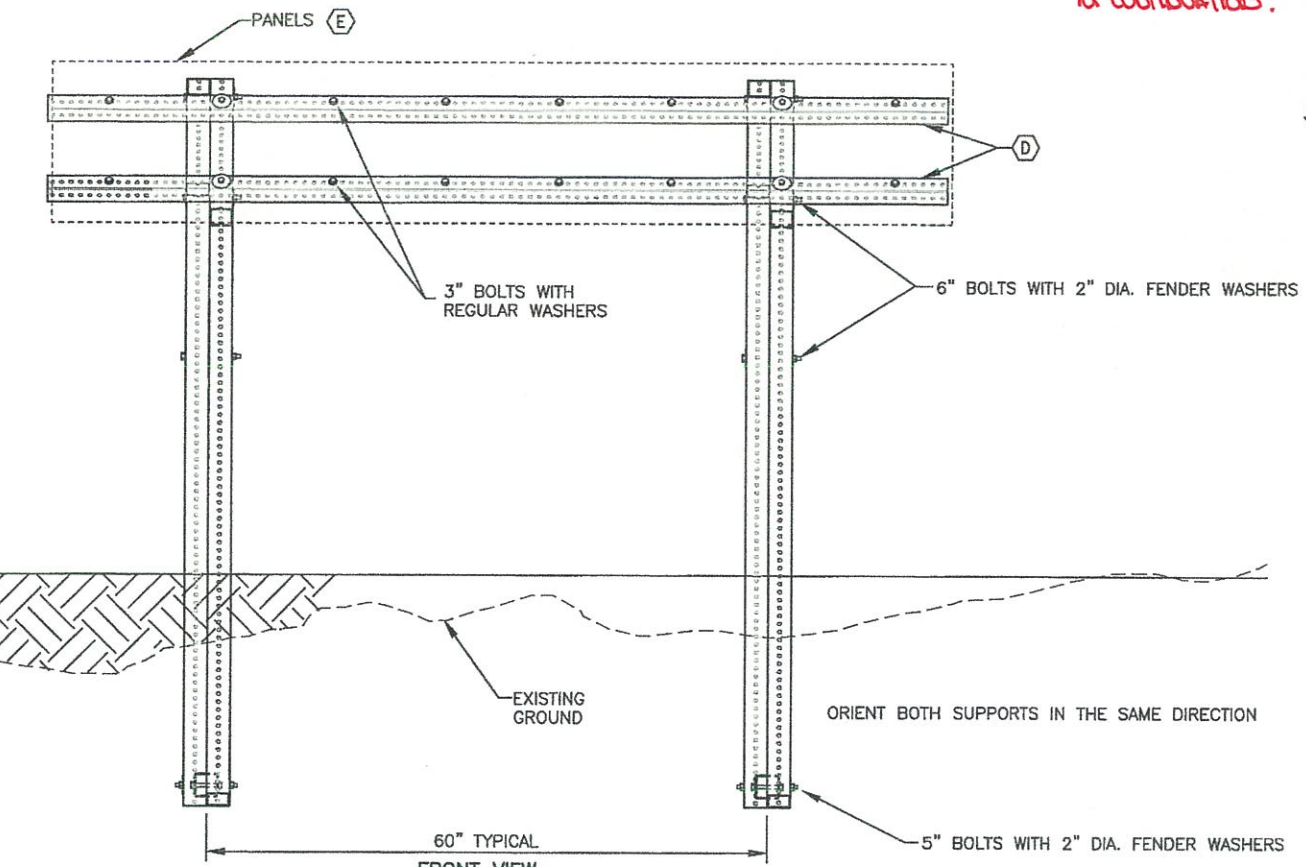
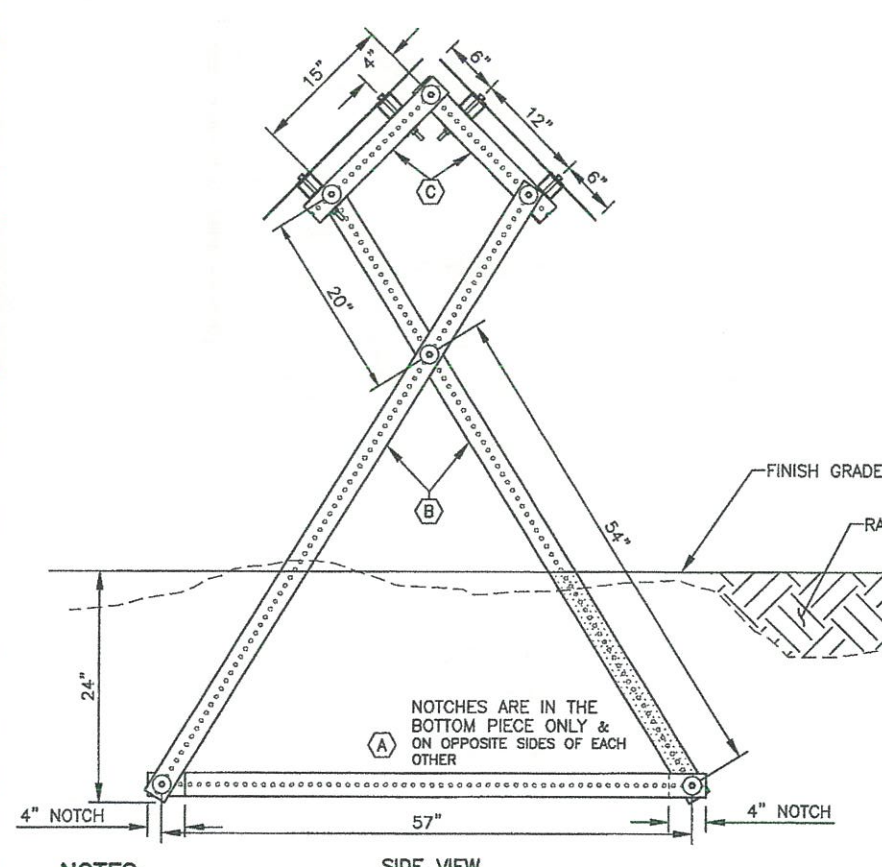
DESIGN NOTES:

SEGMENTED CIRCLE PANELS:
 DESIGN REFERENCE: FAA AC 150/5345-27E; AC 150/5340-5D; ALASKA DOT ITEM: P-640B

STA. RW 15+84.35
 OFFSET: 544.31'RT
 N: 25332.84
 E: 60437.44
 ELEV: 91.0'



Due to potential fuel ground contamination 3/4" GRC laid on OG & covered w/ embankment material



- NOTES:**
- CRITICAL ASSEMBLY DIMENSIONS ARE BETWEEN HOLES.
 - PAINT ALL CUT EDGES WITH COLD GALVANIZING.
 - APPLY REFLECTIVE FILM TO PANELS BEFORE ASSEMBLY.
 - LEVEL ASSEMBLY BEFORE BACKFILLING.
 - STEEL PERF TUBE SHALL BE 12-GAGE STEEL, GALVANIZED, WITH 7/16-INCH HOLES PUNCHED OR DRILLED ON ALL SIDES ON 1-INCH CENTERS.

As-Built



BY	DATE	REVISION
BRH	6/15/2016	WIND CONE AND SEGMENTED CIRCLE ADDED TO CONTRACT

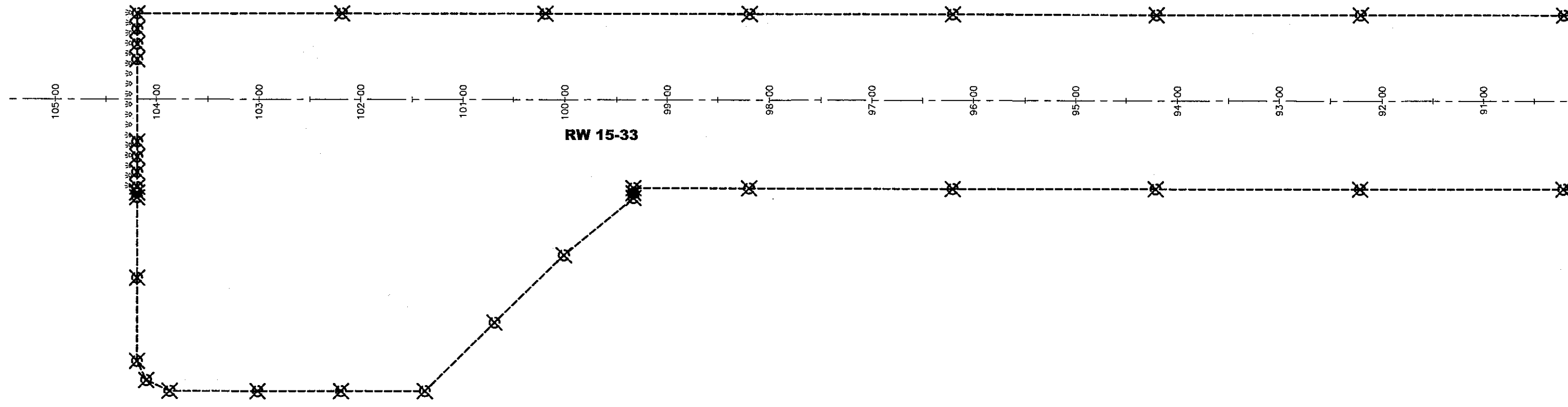
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 2537540000
 AIP No. 3-02-0065-011-2016
 SEGMENTED CIRCLE DETAIL

DATE: 6/16/2016
 SHEET: 42R OF 97
 AS-BUILT SHEET:

Date Revised: 6/16/2016, 12:37 PM
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 Designed By: C. WLT
 Drawn By: C. SLATTEN
 Checked By: B. HANSON

Date Revis: 5/16/2016 3:56 PM
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 Designed By: DMH
 Drawn By: CHV
 Checked By: MLL



MATCH LINE STA 90+00 SHEET 44

DEMOLITION GENERAL NOTES:

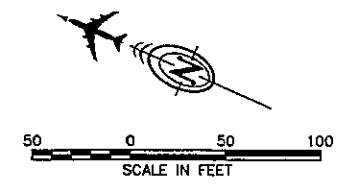
1. LIGHT BASES, HANDHOLES, SIGN BASES, WIRE AND RACEWAYS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL STATUTES.
2. DIRECT BURIED WIRE AND EMPTY CONDUIT SHALL BE ABANDONED IN PLACE. ABANDONED WIRING AND CONDUIT RUNS EXPOSED DURING EXCAVATION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THIS WORK SHALL BE SUBSIDIARY TO EXCAVATION AND NO SEPARATE PAYMENT WILL BE MADE.
3. LIGHT FIXTURES, SIGNS, AND TRANSFORMERS TO BE OFFERED TO STATE FIELD MAINTENANCE PERSONNEL. EQUIPMENT DEEMED OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
4. REMOVAL OF EXISTING CONDUCTORS AND GROUND WIRE SHALL BE SUBSIDIARY TO ITEM L-108g AND NO SEPARATE PAYMENT WILL BE MADE.
5. THE CONTRACTOR SHALL RESTORE GRADE AND FINISH SURFACES DISTURBED BY THE REMOVAL OF STRUCTURES. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.

DEMOLITION SHEET NOTES:

- ① REMOVE RUNWAY EDGE LIGHTS, THRESHOLD LIGHTS, TURN AROUND TAXIWAY LIGHTS, TRANSFORMERS, AND UNUSED WIRING.
- ② REMOVE SIGN, SIGN BASE, ADJACENT HANDHOLE, TRANSFORMER, AND UNUSED WIRING. CUT UNUSED CONDUIT 12" MINIMUM BELOW GRADE AND ABANDON IN PLACE.
- ③ EXISTING TO BE MAINTAINED AND WORKED AROUND.
- ④ MAINTAIN EXISTING CIRCUITRY AS NEEDED FOR TEMPORARY LIGHTING. VERIFY SEQUENCE WITH CIVIL. COORDINATE WITH RUNWAY 8-26 WORK. WHEN TEMPORARY LIGHTING IS NO LONGER NEEDED, REMOVE UNUSED CONDUCTORS AND ABANDON UNUSED CONDUIT IN PLACE. SEE SHEETS 53, 79, 82 FOR ADDITIONAL REQUIREMENTS. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEM L-100h AND NO SEPARATE PAYMENT WILL BE MADE.
- ⑤ REVERSE TEMPORARY THRESHOLD LIGHTS TO MATCH PROJECT PHASING.

DEMOLITION LEGEND:

- RW - RUNWAY
- TW - TAXIWAY
- R-1 - RW 15-33 CIRCUIT
- R-2 - RW 8-26 CIRCUIT
- T-1 - TW A, TW B, TW C, TW D CIRCUIT
- VASI - VISUAL APPROACH SLOPE INDICATOR
- XFMR - TRANSFORMER
- F — EXISTING UNDERGROUND FUEL LINE (TO BE MAINTAINED)
- US COM — EXISTING UNDERGROUND COMMUNICATION (TO BE MAINTAINED)
- US ELEC — EXISTING UNDERGROUND ELECTRIC (TO BE MAINTAINED)
- EXISTING UNDERGROUND CONDUIT
- === EXISTING DUCT BANK (TO REMAIN)
- / — NEW 2" PVC CONDUIT. HASH MARKS INDICATE NUMBER OF #8 AWG. 5KV AIRPORT CABLES TYPE "C" PLUS ONE #6 BARE COPPER GROUND CONDUCTOR.
- ⊗ EXISTING RUNWAY OR TAXIWAY LIGHT AND BASE (TO BE REMOVED) ①
- ⊙ EXISTING TAXIWAY LIGHT (TO REMAIN)
- EXISTING RUNWAY EDGE LIGHT (TO REMAIN)
- EXISTING HANDHOLE (TO REMAIN)
- ⊗ EXISTING HANDHOLE (TO BE REMOVED)
- ⊕ EXISTING ELECTRIC MANHOLE (TO REMAIN)
- EXISTING AIRPORT SIGN (TO REMAIN)
- ⊗ EXISTING AIRPORT SIGN AND BASE (TO BE REMOVED) SHALL BE PAID AT THE UNIT PRICE UNDER L-100y
- ⊕ EXISTING VASI
- ⊗ EXISTING WIND CONE (TO BE REMOVED)



As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
 SHEET: 43 OF 97
 AS-BUILT SHEET:

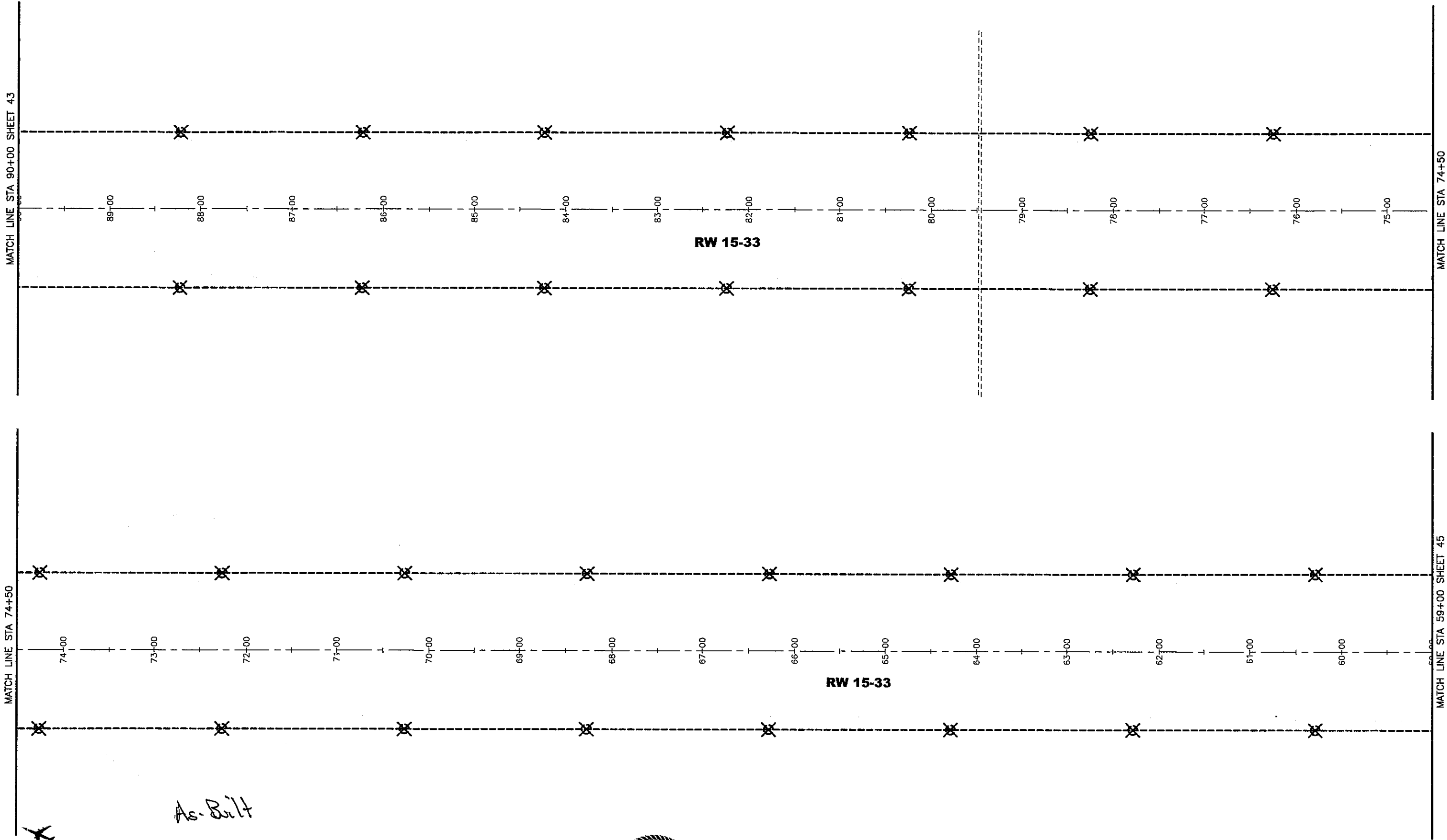
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 Designed By: DMW
 Drawn By: GAY
 Checked By: MLL

MATCH LINE STA 90+00 SHEET 43

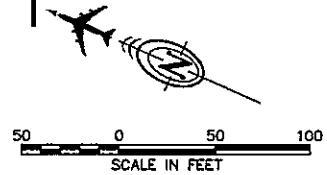
MATCH LINE STA 74+50

MATCH LINE STA 74+50

MATCH LINE STA 59+00 SHEET 45



As-Built



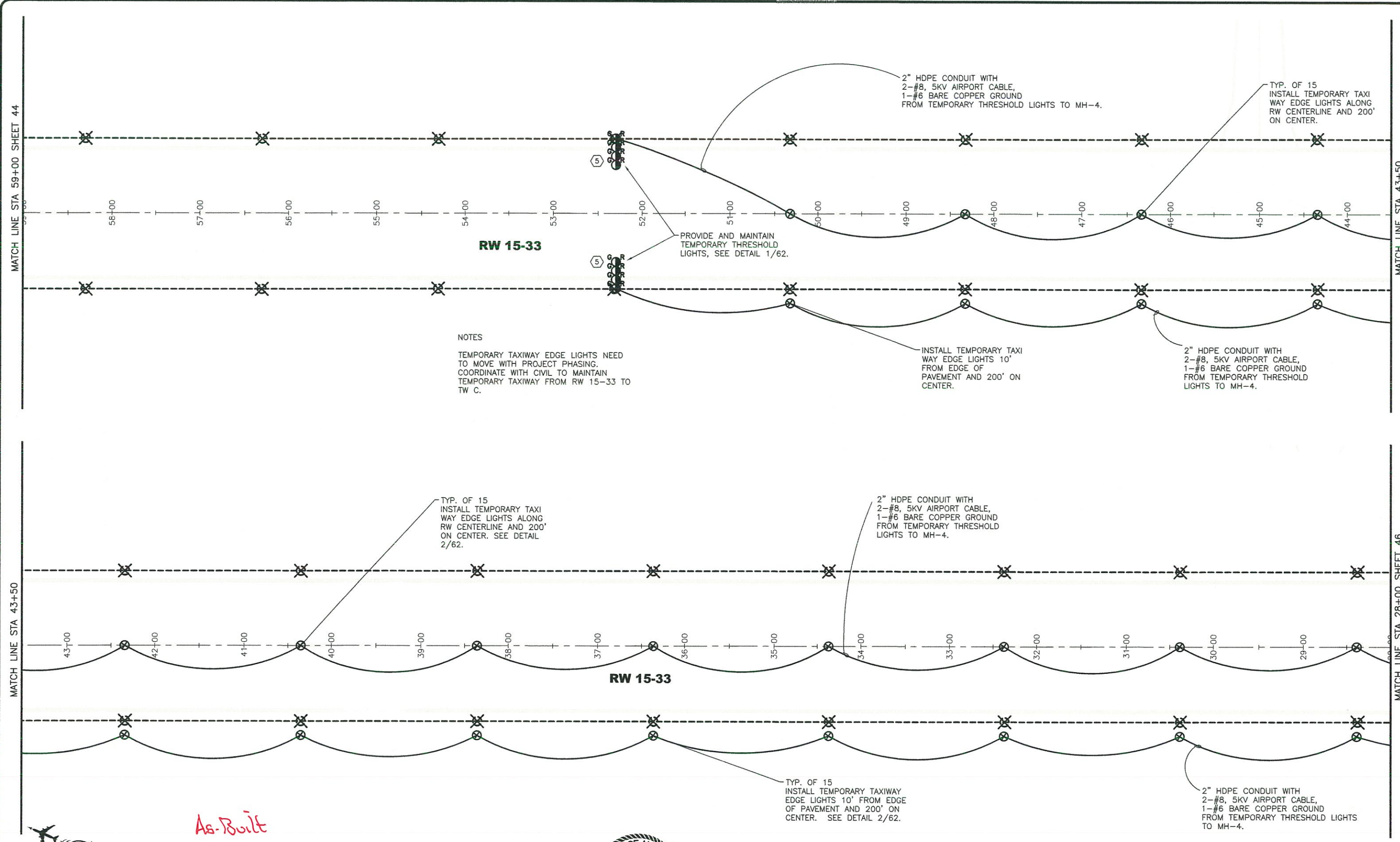
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING DEMOLITION PLAN

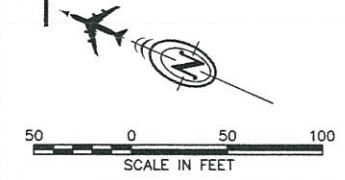
DATE: 05/16/2016
 SHEET: 44 OF 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:56 PM
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 Designed By: DMH
 Drawn By: CMV
 Checked By: MLI



NOTES
 TEMPORARY TAXIWAY EDGE LIGHTS NEED TO MOVE WITH PROJECT PHASING. COORDINATE WITH CIVIL TO MAINTAIN TEMPORARY TAXIWAY FROM RW 15-33 TO TW C.

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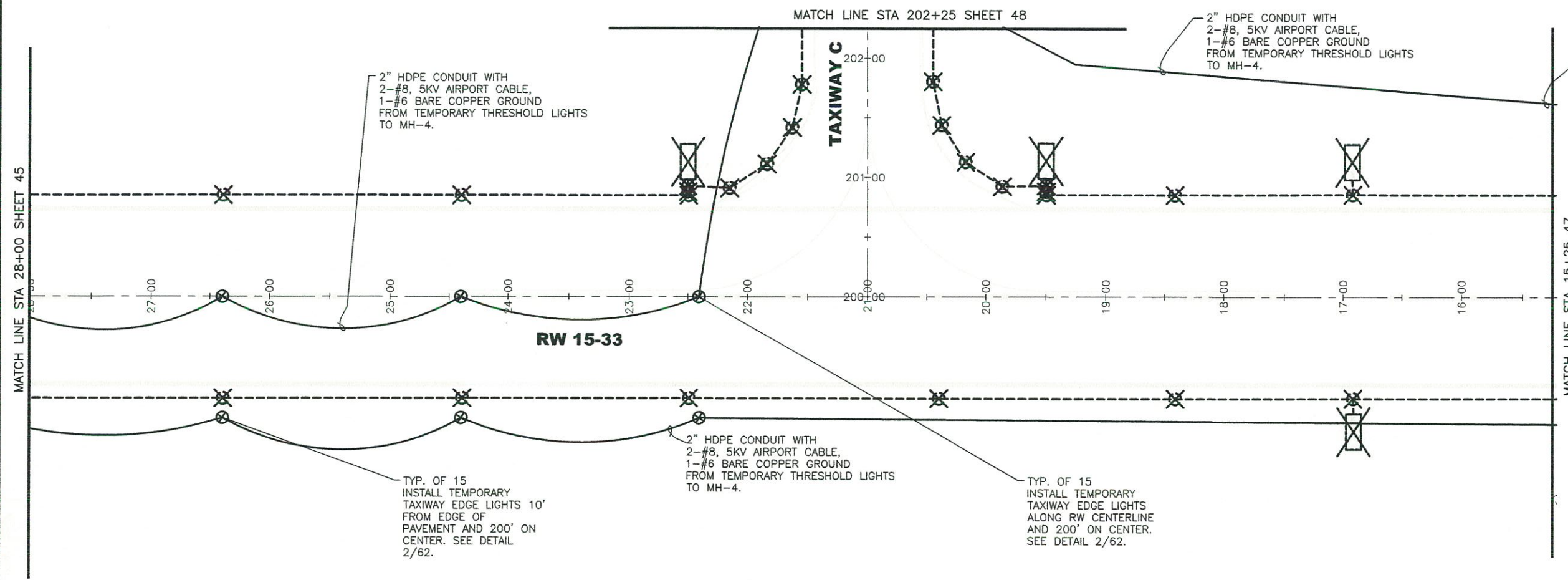
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0085-011-2013
 RUNWAY 15-33
 LIGHTING DEMOLITION PLAN

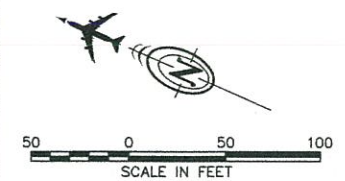
DATE: 05/16/2016
 SHEET: 45 OF 97
 AS-BUILT SHEET:

Date: 5/16/2016 3:56 PM
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 Designed By: DMH
 Drawn By: CMV
 Checked By: MLL



AT CONTRACTOR'S OPTION, EXISTING RW 8-26 CONDUCTORS MAY BE USED FOR TEMPORARY LIGHTING IF PRACTICAL. SEE SHEETS 53, 80, AND 85 FOR ADDITIONAL REQUIREMENTS.

NOTES
 TEMPORARY TAXIWAY EDGE LIGHTS NEED TO MOVE WITH PROJECT PHASING. COORDINATE WITH CIVIL TO MAINTAIN TEMPORARY TAXIWAY FROM RW 15-33 TO TW C.



As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

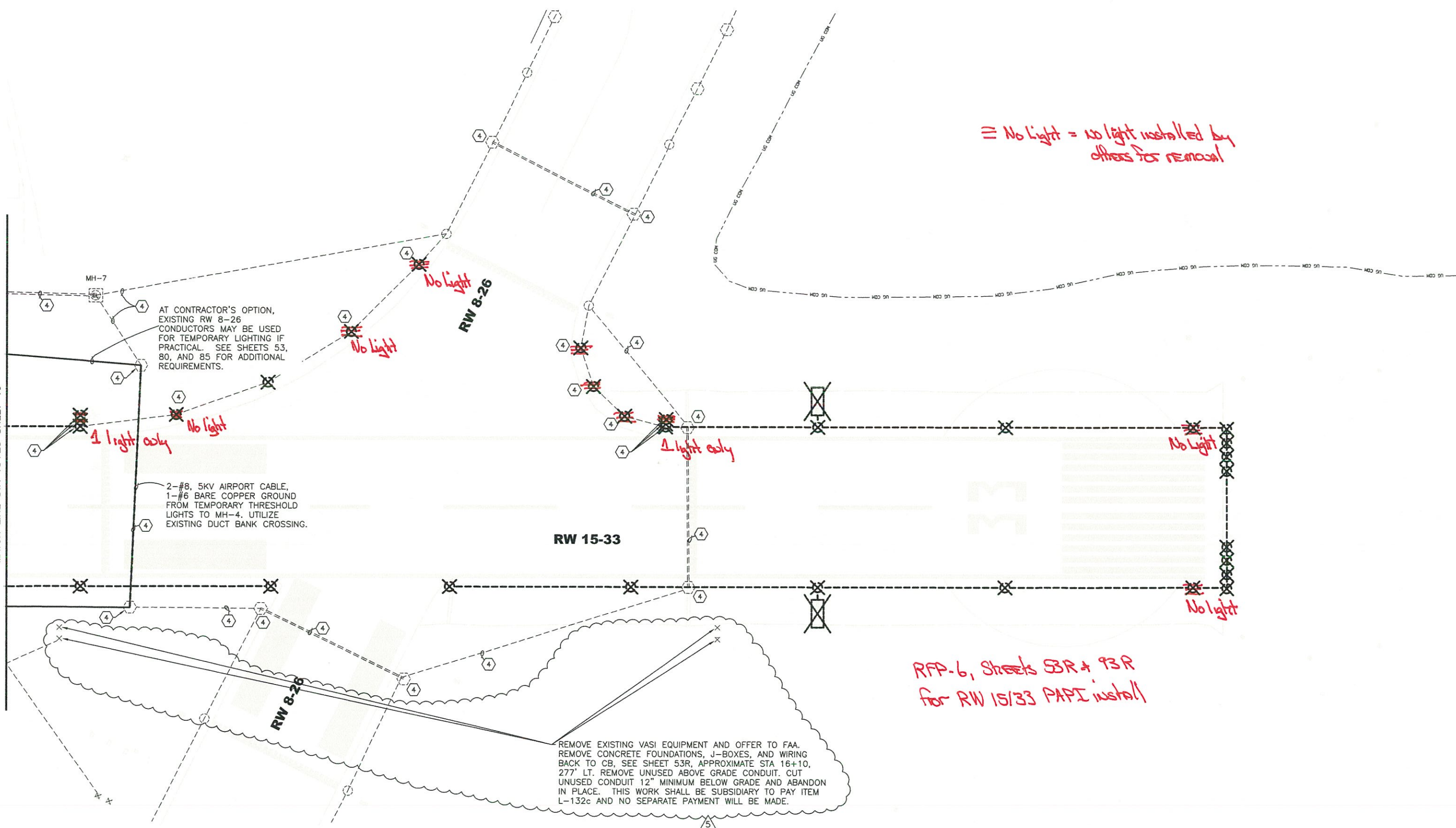
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
 SHEET: 46 OF 97
 AS-BUILT SHEET:

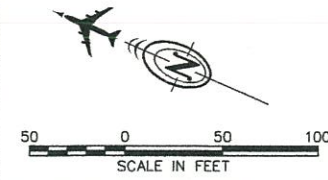
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 Designed By: DMH
 Drawn By: GMV
 Checked By: MJL

MATCH LINE STA 15+25 SHEET 46



≡ No Light = no light installed by others for removal

RFP-6, Sheets 53R & 93R for RW 15/33 PAPI install



MBA	05/03/17	ADD RW 33 PAPI /S
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

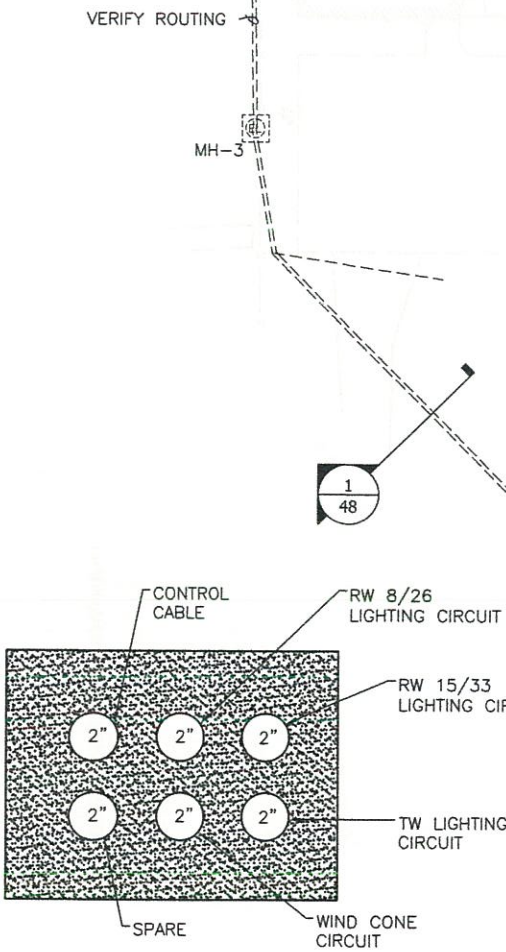
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING DEMOLITION PLAN

DATE: 05/03/2017
 SHEET: 47R OF 97
 AS-BUILT SHEET:

Date Revised: 6/16/2016, 1:25 PM
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 Designed By: DMH
 Drawn By: GWV
 Checked By: MLL

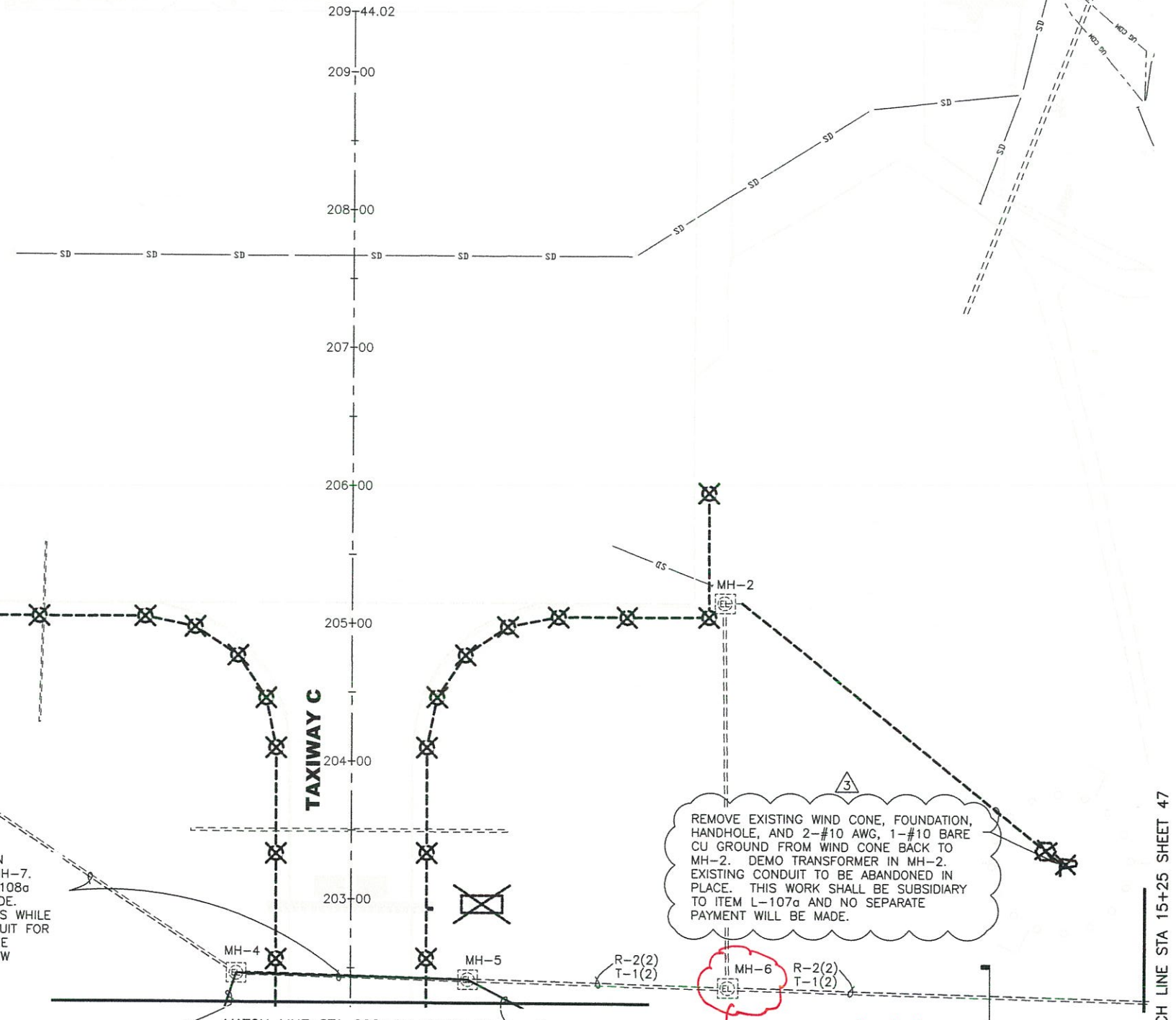
EXISTING PLUG CUTOUTS LOCATED ON MEZZANINE IN ARFF BUILDING. SEE SHEET 39.

DEMO 60A ENCLOSED CB FOR WIND CONE CIRCUIT DISCONNECT. DEMO WIND CONE CIRCUIT STEP UP XFMR. REUSE EXISTING CONDUIT AND WIRES FOR WIND CONE CIRCUIT. THIS WORK SHALL BE SUBSIDIARY TO L-107a AND NO SEPARATE PAYMENT WILL BE MADE.



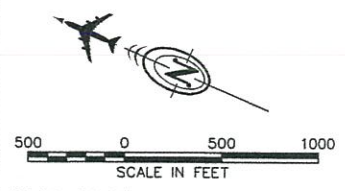
REMOVE RUNWAY AND TAXIWAY HOME RUN CONDUCTORS FROM PLUG CUTOUTS TO MH-7. THIS WORK SHALL BE SUBSIDIARY TO L-108a AND NO SEPARATE PAYMENT WILL BE MADE. REMOVE RW 8-26 HOMERUN CONDUCTORS WHILE RW 8-26 IS CLOSED. UTILIZE THIS CONDUIT FOR NEW RW 15-33 CONDUCTORS TO MINIMIZE OUTAGE TIME. SIMILAR PROCEDURE FOR TW CIRCUIT.

2" HDPE CONDUIT WITH 2-#8, 5KV AIRPORT CABLE, 1-#6 BARE COPPER GROUND FROM TEMPORARY THRESHOLD LIGHTS TO MH-4. CONNECT TEMPORARY JUMPERS TO CIRCUIT R-1 IN MH-4 FOR CONTINUATION OF CIRCUIT. ALL TEMPORARY AND PERMANENT 5KV CONNECTIONS SHALL BE MADE USING L-823 CONNECTORS



REMOVE EXISTING WIND CONE, FOUNDATION, HANDHOLE, AND 2-#10 AWG, 1-#10 BARE CU GROUND FROM WIND CONE BACK TO MH-2. DEMO TRANSFORMER IN MH-2. EXISTING CONDUIT TO BE ABANDONED IN PLACE. THIS WORK SHALL BE SUBSIDIARY TO ITEM L-107a AND NO SEPARATE PAYMENT WILL BE MADE.

MH-6 never located & appears not previously installed!



As-Built



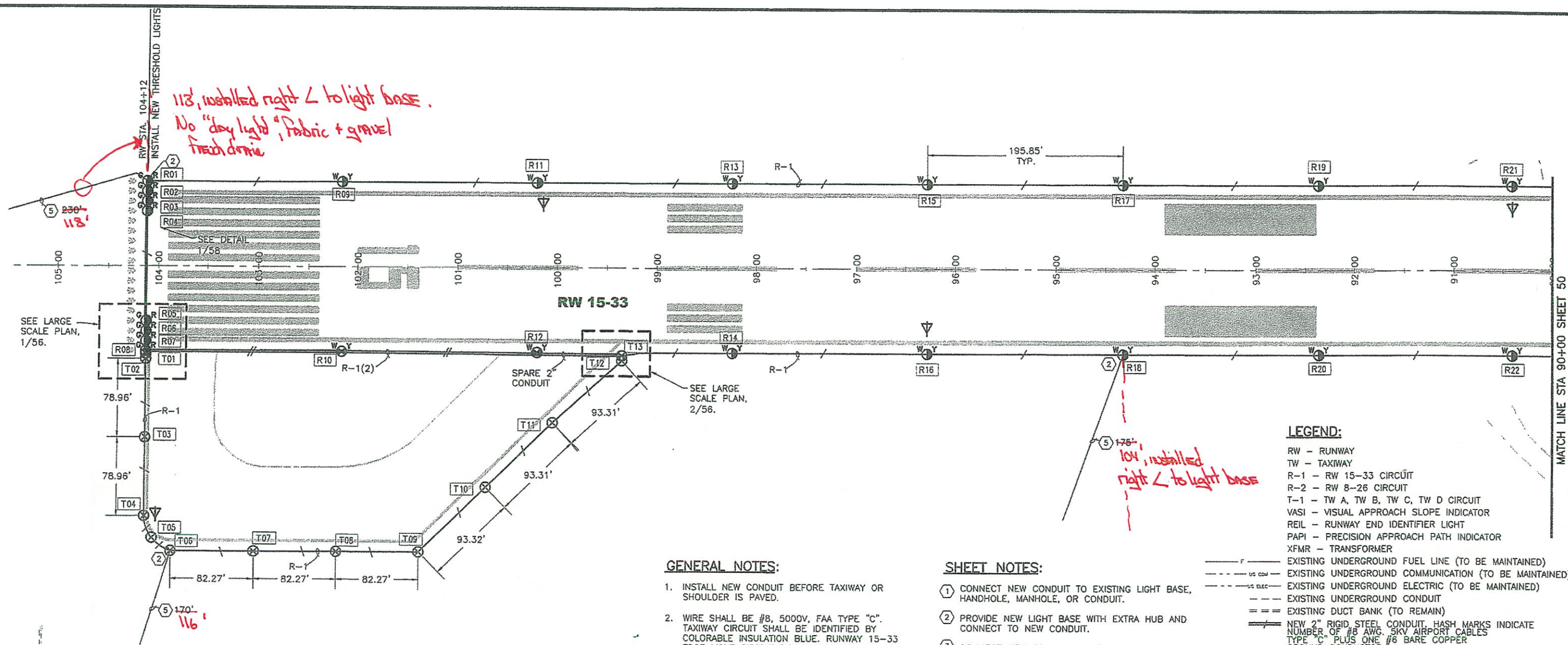
BY	DATE	REVISION
	06/13/16	WIND CONE AND RELATED WORK ADDED TO CONTRACT. 3

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. 53754
AIP No. 3-02-0065-011-2013
TAXIWAY C
LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
SHEET: 48R OF 97
AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:57 PM
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 Drawn By: DMH
 Checked By: GNV
 LUL



LIGHT SCHEDULE						
NUMBER	SYMBOLS	LOCATION	LIGHT DETAILS			
			LIGHT COLOR	LAMP WATTAGE	F.A.A. NUMBER	XFMR WATTAGE
61	○	RW EDGE LIGHT	WHITE	150	L862	150
31	○ ^Y ○ ^W	RW CAUTION ZONE LIGHT	YELLOW/WHITE	150	L862	150
16	○ ^R ○ ^G	RW THRESHOLD LIGHT	RED/GREEN	200	L862E	200
10	○ ^Y ○ ^W	RW FLUSH EDGE LIGHT	YELLOW/WHITE	(2)105	L850C	200
97	⊗	TAXIWAY EDGE LIGHT	BLUE	15	L861T	10/15

ALL TRANSFORMERS 6.6A/6.6A

GENERAL NOTES:

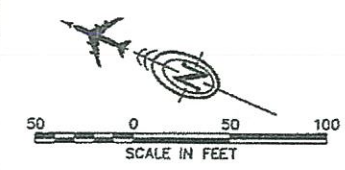
- INSTALL NEW CONDUIT BEFORE TAXIWAY OR SHOULDER IS PAVED.
- WIRE SHALL BE #8, 5000V, FAA TYPE "C". TAXIWAY CIRCUIT SHALL BE IDENTIFIED BY COLORABLE INSULATION BLUE. RUNWAY 15-33 EDGE LIGHT CIRCUIT SHALL BE IDENTIFIED BY COLORABLE INSULATION RED. RUNWAY B-26 EDGE LIGHT CIRCUIT SHALL BE IDENTIFIED BY BLACK INSULATION.
- CONTRACTOR SHALL RESTORE LIGHTING CONTROL AND POWER CIRCUITS, TO THE SATISFACTION OF THE AIRPORT MANAGER, ONE HOUR PRIOR TO SUNSET.
- CIRCUITS PASSING THROUGH LIGHT BASE SHALL NOT REQUIRE SERVICE LOOPS IF CABLE IS NOT INCIDENTAL TO THAT LIGHT'S CIRCUITRY.
- PROVIDE LIGHT BASES WITH HUB CONFIGURATIONS AS SHOWN IN THE PLANS.
- ALL BOLTS, NUTS, AND THREADED SURFACES SHALL BE COATED WITH ANTI-SIEZE PER SPECIFICATIONS.

SHEET NOTES:

- CONNECT NEW CONDUIT TO EXISTING LIGHT BASE, HANDHOLE, MANHOLE, OR CONDUIT.
- PROVIDE NEW LIGHT BASE WITH EXTRA HUB AND CONNECT TO NEW CONDUIT.
- CONNECT NEW CONDUCTORS TO EXISTING FOR CONTINUATION OF CIRCUIT.
- EXISTING TO BE MAINTAINED AND WORKED AROUND.
- INSTALL 2" PVC CONDUIT DRAINS TO DAYLIGHT AS SHOWN OR AS DIRECTED BY THE ENGINEER. APPROXIMATE LENGTH AS NOTED. COVER END WITH 1/4" STAINLESS STEEL RODENT SCREEN. ATTACH WITH STAINLESS STEEL BAND CLAMPS.

LEGEND:

- RW - RUNWAY
- TW - TAXIWAY
- R-1 - RW 15-33 CIRCUIT
- R-2 - RW 8-26 CIRCUIT
- T-1 - TW A, TW B, TW C, TW D CIRCUIT
- VASI - VISUAL APPROACH SLOPE INDICATOR
- REIL - RUNWAY END IDENTIFIER LIGHT
- PAPI - PRECISION APPROACH PATH INDICATOR
- XFMR - TRANSFORMER
- F — EXISTING UNDERGROUND FUEL LINE (TO BE MAINTAINED)
- US COM --- EXISTING UNDERGROUND COMMUNICATION (TO BE MAINTAINED)
- US ELEC --- EXISTING UNDERGROUND ELECTRIC (TO BE MAINTAINED)
- EXISTING UNDERGROUND CONDUIT
- === EXISTING DUCT BANK (TO REMAIN)
- NEW 2" RIGID STEEL CONDUIT. HASH MARKS INDICATE NUMBER OF #8 AWG. 5KV AIRPORT CABLES TYPE "C" PLUS ONE #6 BARE COPPER GROUND CONDUCTOR.
- NEW 2" PVC CONDUIT. HASH MARKS INDICATE NUMBER OF #8 AWG. 5KV AIRPORT CABLES TYPE "C" PLUS ONE #6 BARE COPPER GROUND CONDUCTOR.
- ⊗ EXISTING ELECTRIC MANHOLE (TO REMAIN)
- EXISTING RW EDGE LIGHT (TO REMAIN)
- ⊗ EXISTING TAXIWAY EDGE LIGHT (TO REMAIN)
- EXISTING HANDHOLE (TO REMAIN)
- ^Y○^W NEW RUNWAY THRESHOLD LIGHT - HIGH INTENSITY
- ^Y○^W NEW RUNWAY EDGE LIGHT - HIGH INTENSITY
- ^Y○^W NEW FLUSH RUNWAY EDGE LIGHT - HIGH INTENSITY
- ⊗ NEW TAXIWAY EDGE LIGHT
- ⊗ NEW HANDHOLE, L-867B
- ⊗ NEW 3/4" X 10" GROUND ROD
- XXX LIGHT FIXTURE NUMBER
- ⊗ SIGN NUMBER - SEE SIGN SCHEDULE, SHEET 60
- NEW SIGN
- EXISTING VASI
- NEW LIGHTED WIND CONE



As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

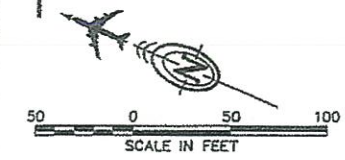
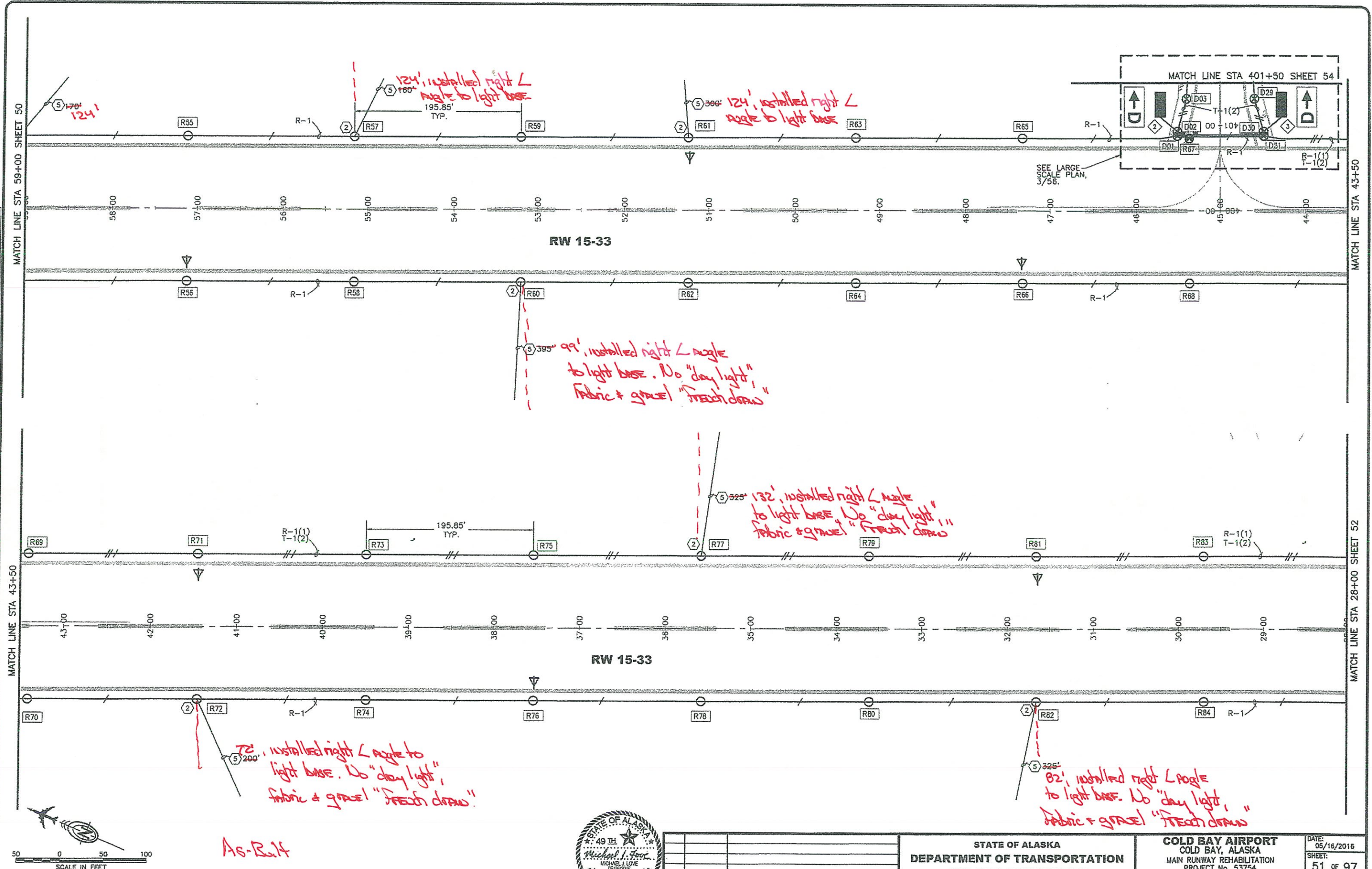
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 49 of 97
 AS-BUILT SHEET:

MATCH LINE STA 90+00 SHEET 50

Date Revises: 5/16/2016 3:57 PM
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 Drawn By: DMJ
 Checked By: JMT



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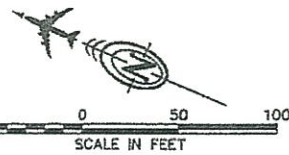
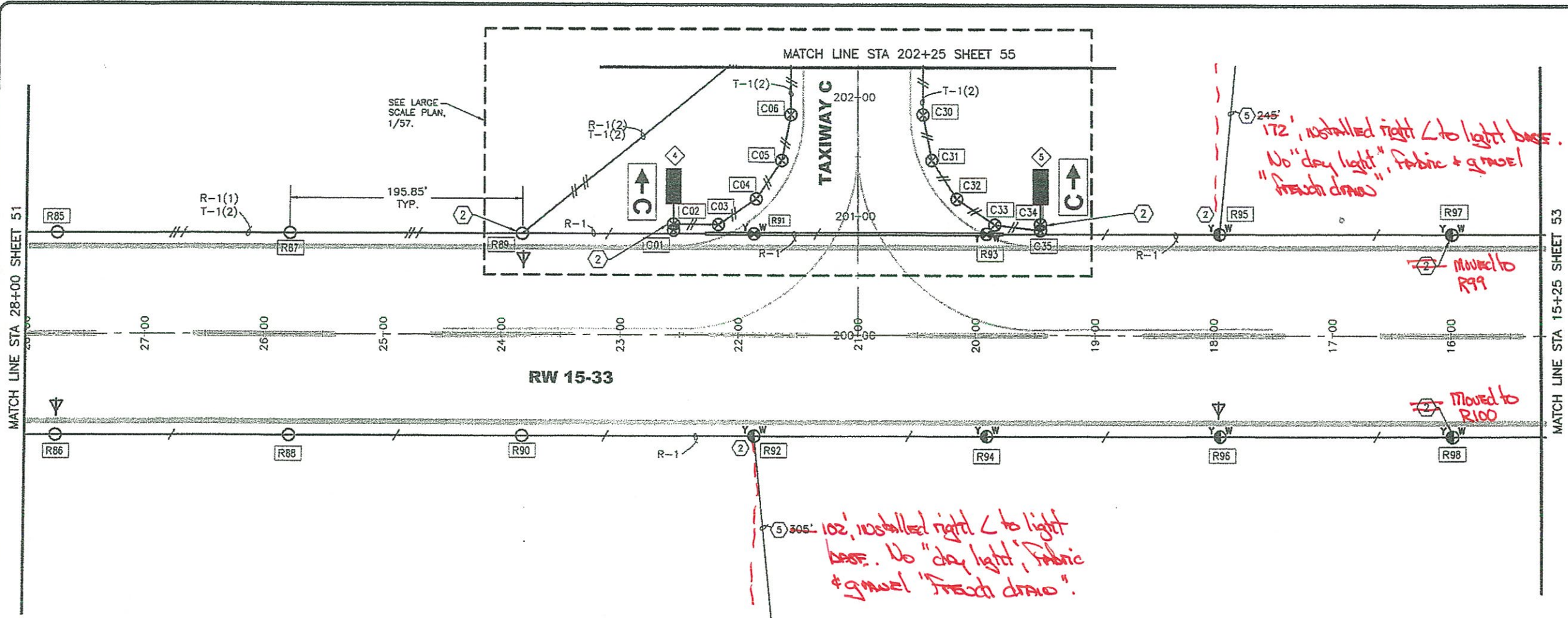
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 51 of 97
 AS-BUILT SHEET:

Date Revisi: 5/16/2016, 3:57 PM
 Drawn By: DMH
 Checked By: NLI
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As-Built



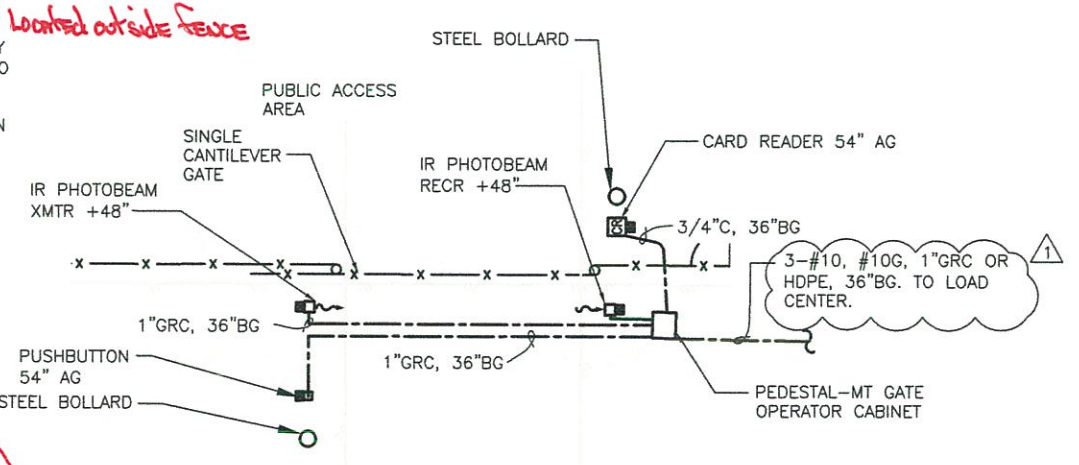
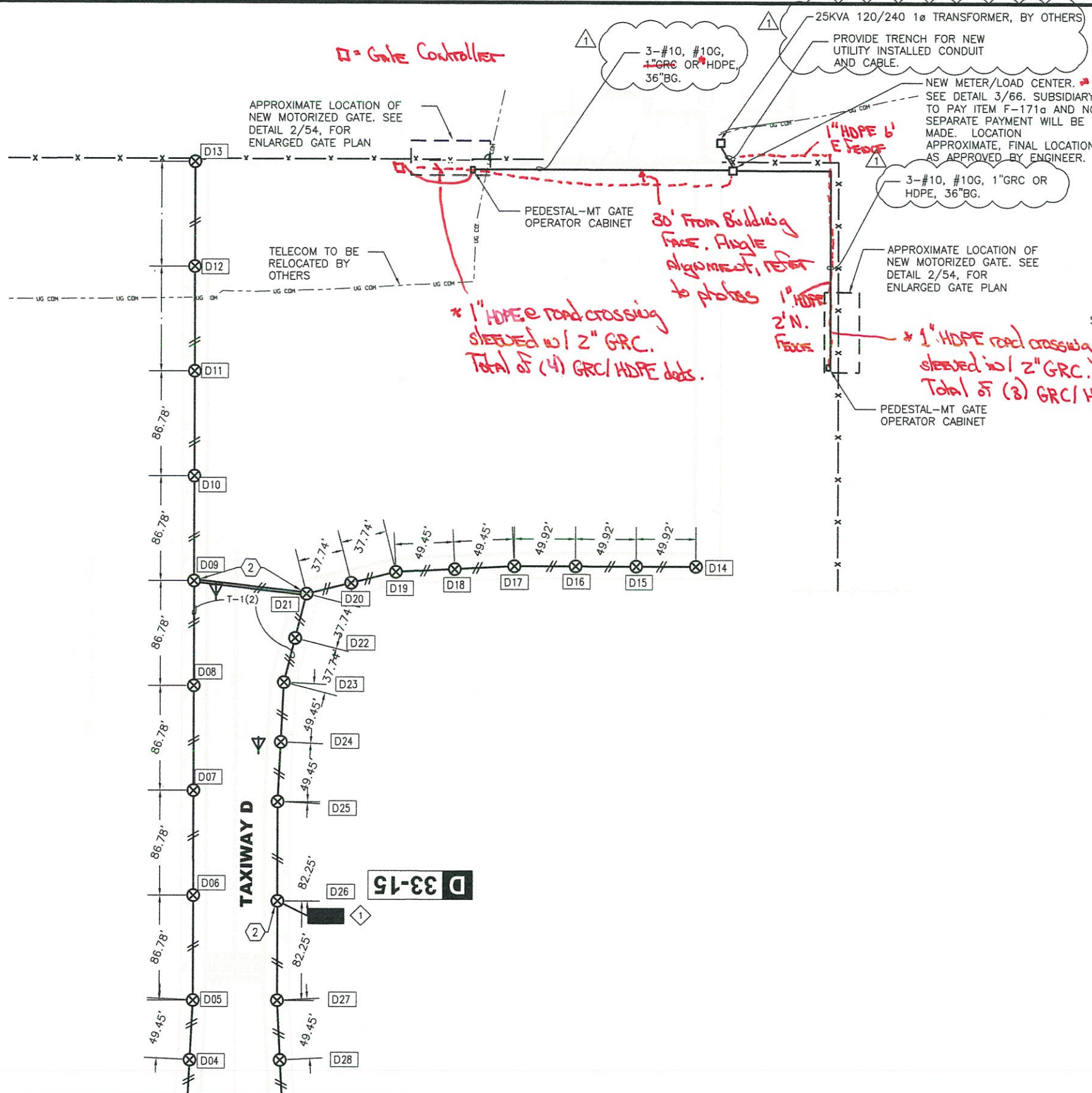
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 RUNWAY 15-33
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 52 of 97
 AS-BUILT SHEET:

Date Revised: 6/08/2016, 10:15 AM
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 File Path and Name: Z:\090390BA - Cold Bay Airport Improv\2013 - Runway 13-33\1-E-Working\Drawings\09039_E1-E7.dwg
 Designed By: DMH
 Drawn By: GAV
 Checked By: MLL



2 ENLARGED GATE - TYPICAL OF 2
54 NTS

NOTES:

1. ALL POWER GATE OPERATING SYSTEM WORK SHALL BE SUBSIDIARY TO PAY ITEM F-171a AND NO SEPARATE PAYMENT WILL BE MADE.
2. SEE SHEET 66 FOR ONE LINE DIAGRAM OF GATE OPERATING SYSTEM.
3. FOLLOW MANUFACTURES INSTRUCTIONS FOR CONTROL INSTALLATION. MINIMUM #14AWG FOR CONTROL WIRING.

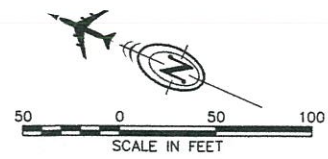
ABBREVIATIONS

XMTR	TRANSMITTER
IR	INFRARED
RECR	RECEIVER
UON	UNLESS OTHERWISE NOTED
AG	ABOVE GRADE
BG	BELOW GRADE
GRC	GALVANIZED RIGID CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE
MT	MOUNT

NEW SERVICE NOTES:

1. ALL NEW SERVICE WORK SHALL BE SUBSIDIARY TO PAY ITEM F-171a AND NO SEPARATE PAYMENT WILL BE MADE.
2. PROVIDE TRENCH FROM 25KVA 240/120 1Ø UTILITY TRANSFORMER TO NEW LOAD CENTER.
3. FOLLOW LOCAL UTILITY GUIDELINES FOR NEW SERVICE INSTALLATIONS.

MATCH LINE STA 401+50 SHEET 51



1 TAXIWAY LIGHTING PLAN
54 NTS

As-Built



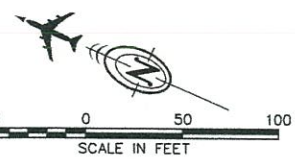
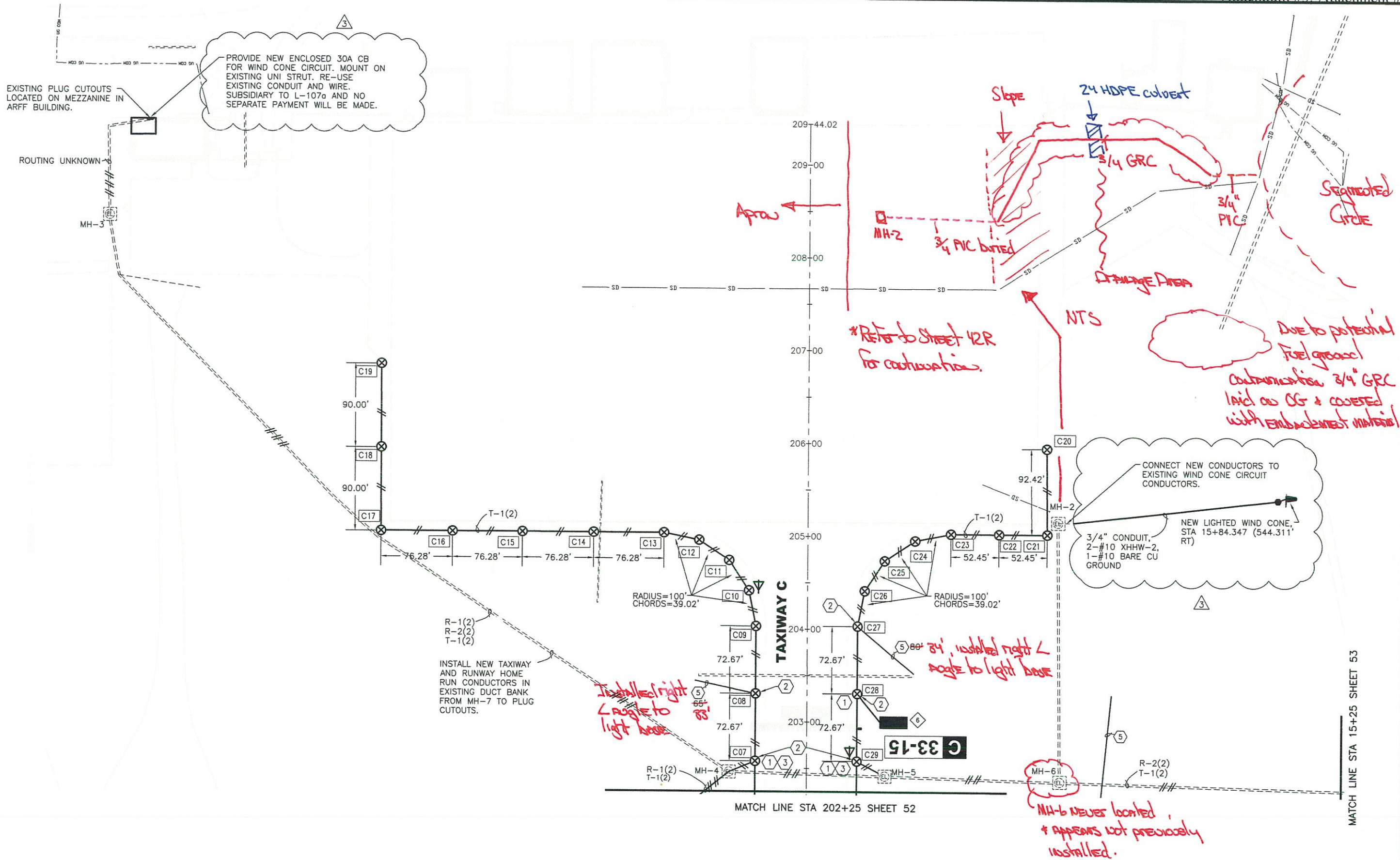
BY	DATE	REVISION
GMV	06/08/16	NEW UTILITY SERVICE DETAILS ADDED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. 53754
AIP No. 3-02-0065-011-2013
TAXIWAY D LIGHTING PLAN

DATE:
05/16/2016
SHEET:
54R OF 97
AS-BUILT SHEET:

Date Revised: 6/16/2016, 1:25 PM
 Layout Name: E7
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 Drawn By: GMV
 Checked By: WLL



As-Built



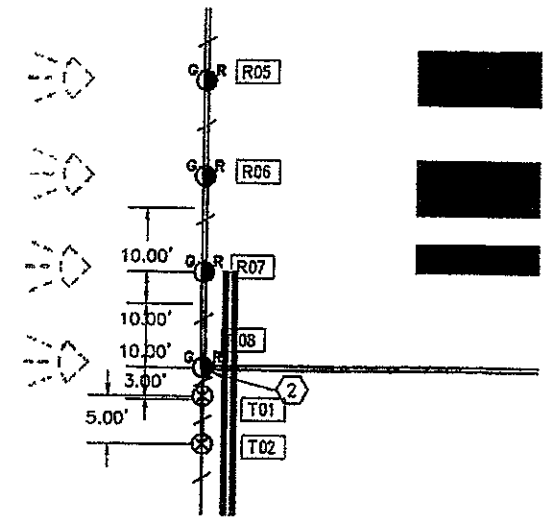
BY	DATE	REVISION
	06/13/16	WIND CONE AND RELATED WORK ADDED TO CONTRACT. 3

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

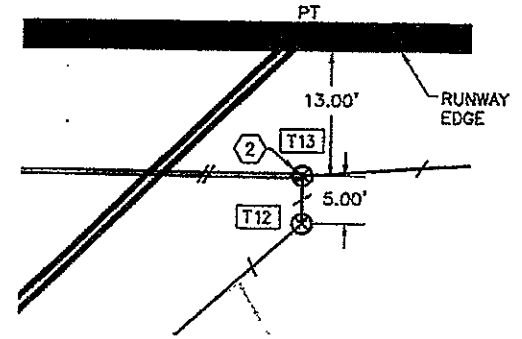
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 TAXIWAY C LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 55R of 97
 AS-BUILT SHEET:

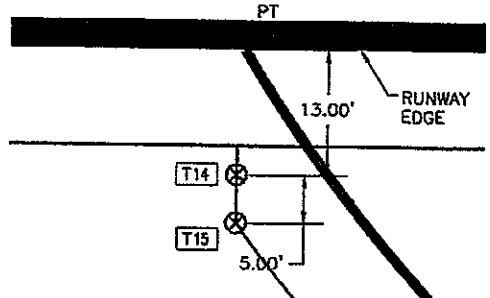
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 Checked By: MUI



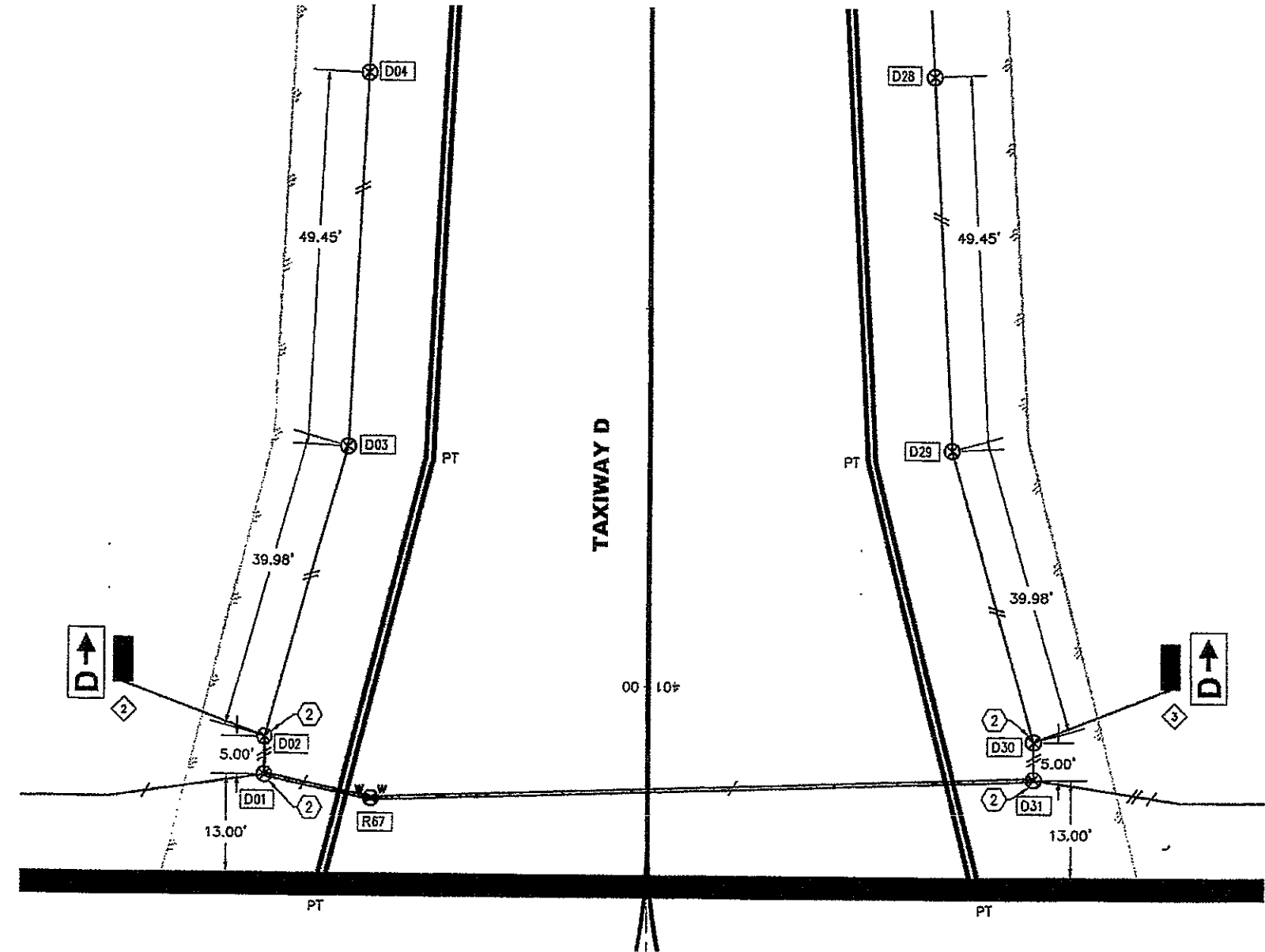
1 LARGE SCALE PLAN - RW 15 THRESHOLD
56



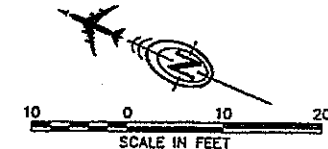
2 LARGE SCALE PLAN - RW 15 TURNAROUND
56



4 LARGE SCALE PLAN - RW 33 TURNAROUND
56



3 LARGE SCALE PLAN - TW D ENTRANCE
56



As-Built



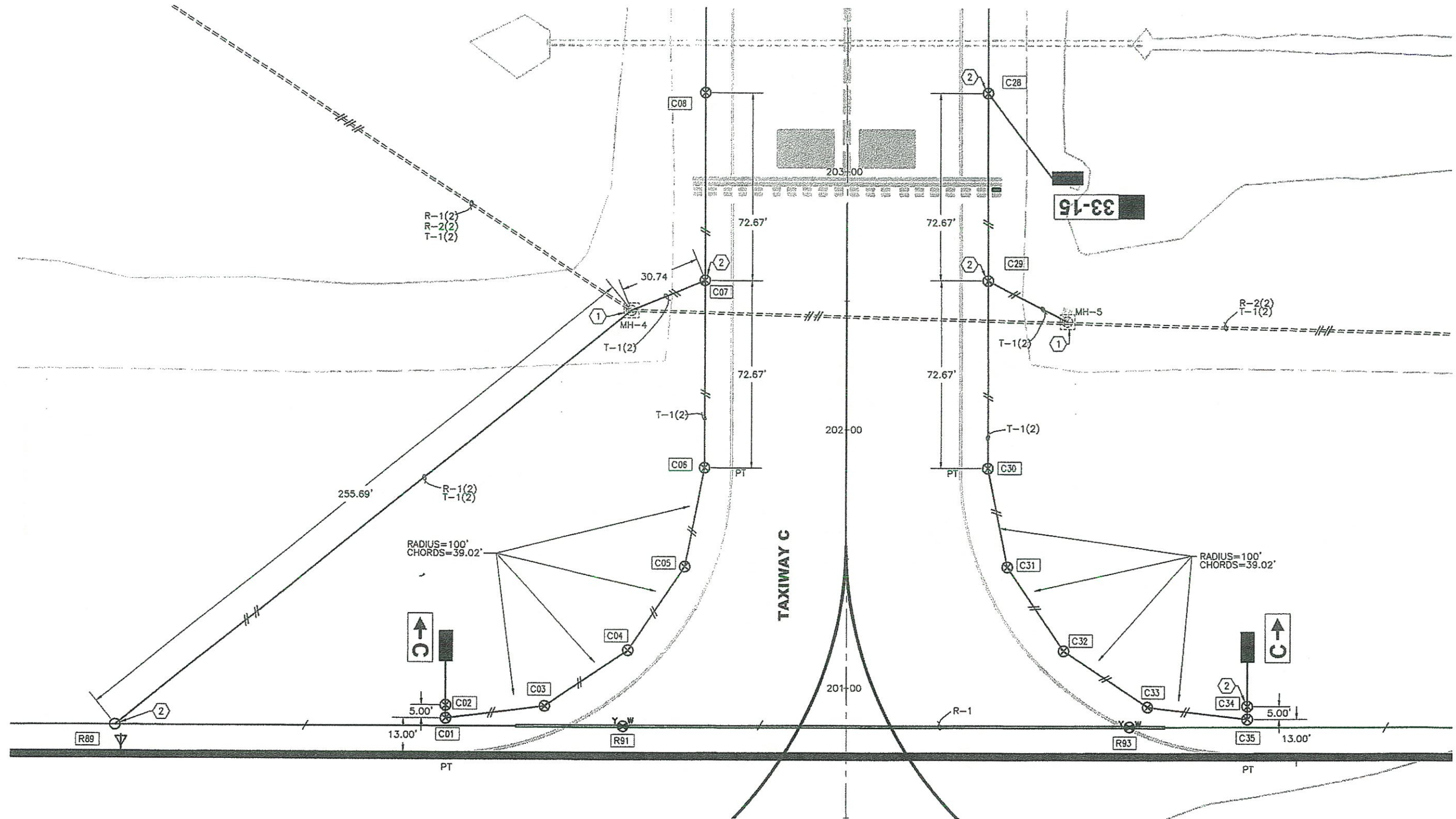
BY	DATE	REVISION

STATE OF ALASKA
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 CENTRAL REGION

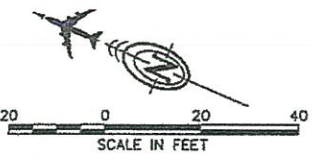
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 ENLARGED PLANS

DATE: 05/16/2016
 SHEET: 56 of 97
 AS-BUILT SHEET

Date Plotted: 5/16/2016, 3:58 PM
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 Designed By: DMH
 Drawn By: DMH
 Checked By: MJL



3
57 LARGE SCALE PLAN - TW C ENTRANCE



As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

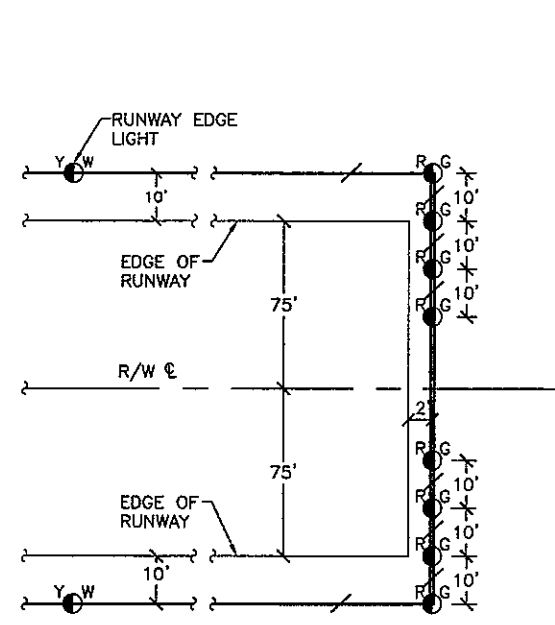
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

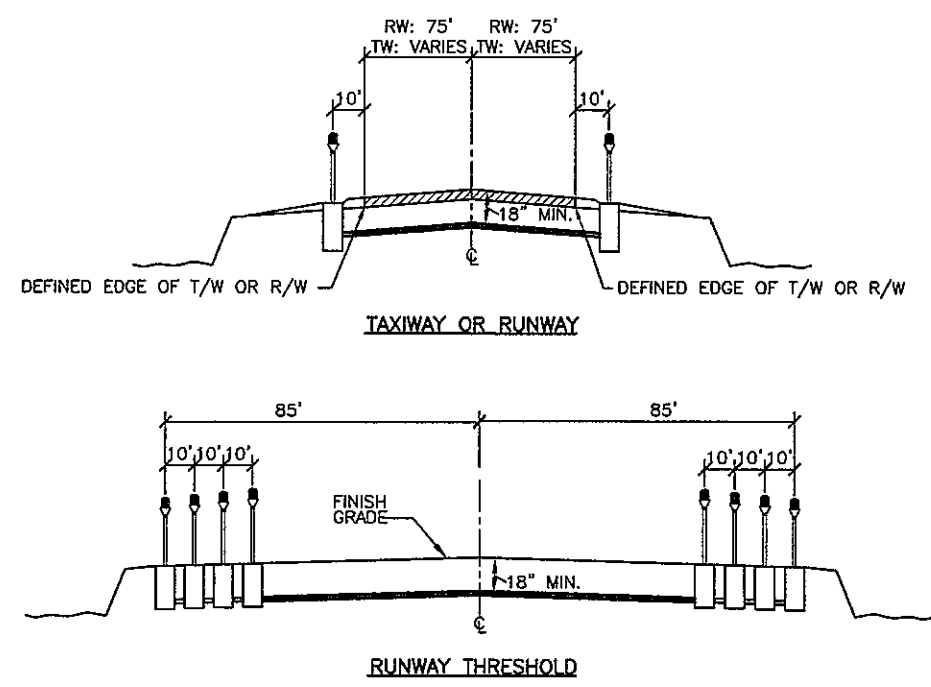
COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 ENLARGED PLAN

DATE: 05/16/2016
 SHEET: 57 of 97
 AS-BUILT SHEET:

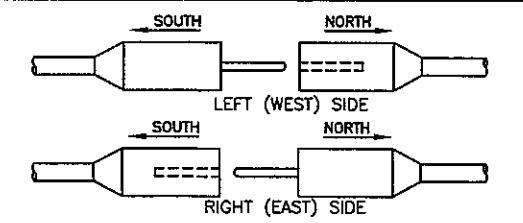
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 Designed By: DMH
 Drawn By: GNV
 Checked By: MLL



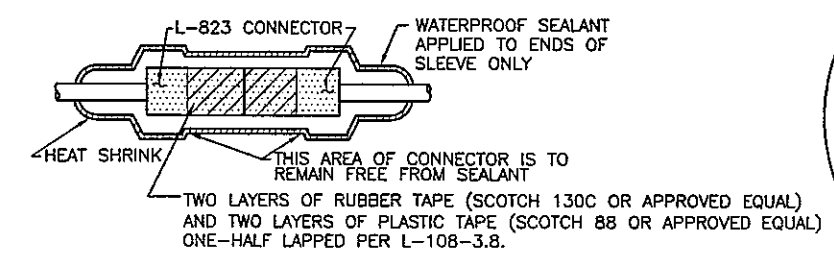
1 R/W THRESHOLD LIGHTING DETAIL
58 NTS



2 TYPICAL LIGHTING SECTIONS
58 NTS



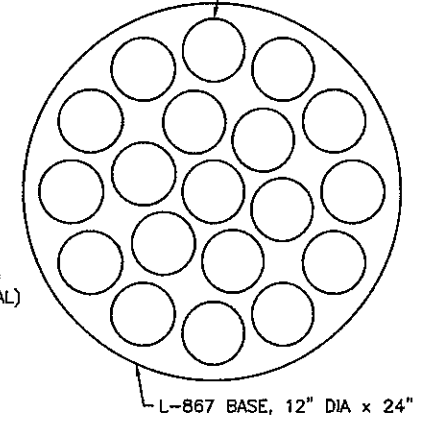
ORIENTATION OF L-823 CABLE CONNECTION IN LIGHT BASE DETAIL



- 5 KV CONDUCTORS SHALL BE PENCILLED USING A PENCILING TOOL MANUFACTURED FOR USE ON #8, 5 KV, TYPE C AIRPORT CABLE, RIPLEY WS 49 OR APPROVED EQUAL.
- CONNECTORS SHALL BE CRIMPED USING A RATCHET TYPE CRIMPING TOOL PER MANUFACTURER'S RECOMMENDATION. EACH CRIMP SHALL BE MADE WITH TWO CRIMPS, ROTATED 90°.

3 L-823 CONNECTOR
58 NTS

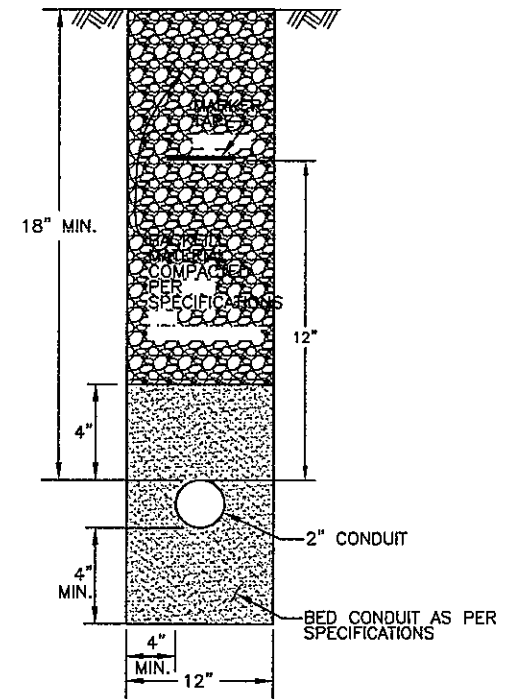
2" PVC CONDUIT, 10" LENGTH, TYP. AT CONTRACTOR'S OPTION, 2-1/2" PVC MAY BE USED TO REDUCE THE NUMBER OF PIPES. SUBSIDIARY TO L-100c AND L-100e AND NO SEPARATE PAYMENT WILL BE MADE.



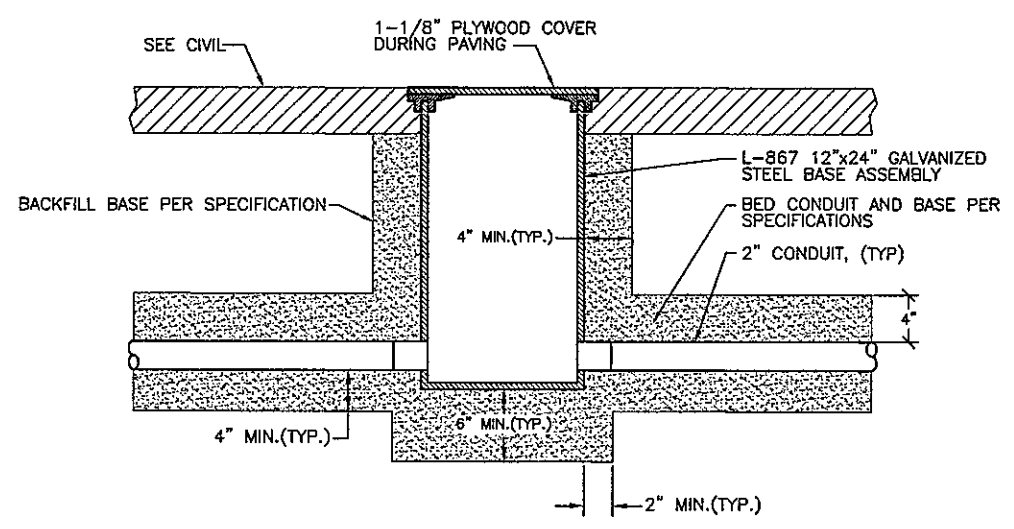
4 TRANSFORMER PLATFORM DETAIL
58 NTS

EDGE LIGHT NOTES:

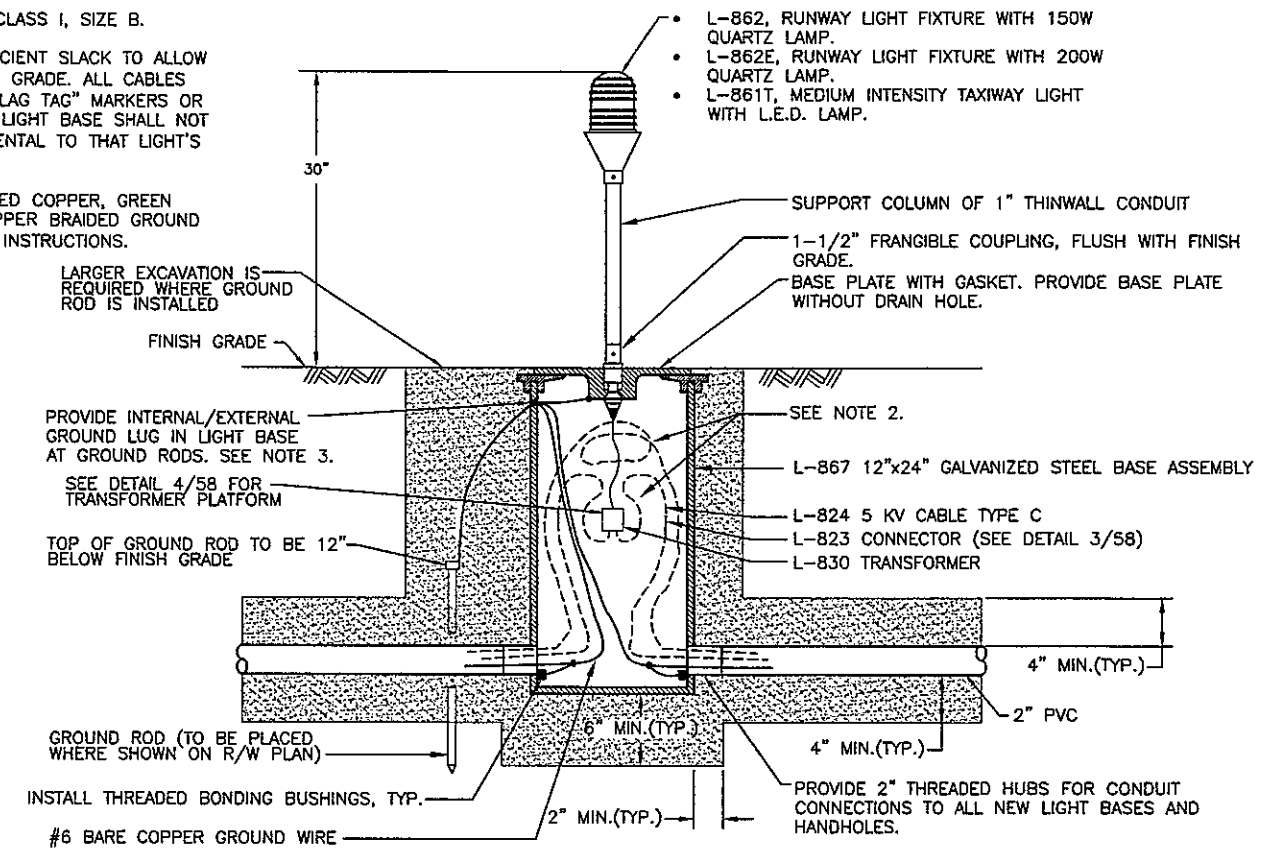
- NEW BASE ASSEMBLIES SHALL BE TYPE L-867, CLASS I, SIZE B.
- CABLES AND GROUND STRAPS SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 36" ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED 6" FROM CONNECTOR WITH "FLAG TAG" MARKERS OR APPROVED EQUAL. CIRCUITS PASSING THROUGH LIGHT BASE SHALL NOT REQUIRE SERVICE LOOPS IF CABLE IS NOT INCIDENTAL TO THAT LIGHT'S CIRCUITRY.
- GROUND FIXTURE WITH MINIMUM #6 AWG STRANDED COPPER, GREEN INSULATED CONDUCTOR OR WITH EQUIVALENT COPPER BRAIDED GROUND STRAP. BOND TO FIXTURE PER MANUFACTURER'S INSTRUCTIONS.



5 CONDUIT TRENCH DETAIL
58 NTS



6 L-867 BASE DETAIL DURING PAVING
58 NTS

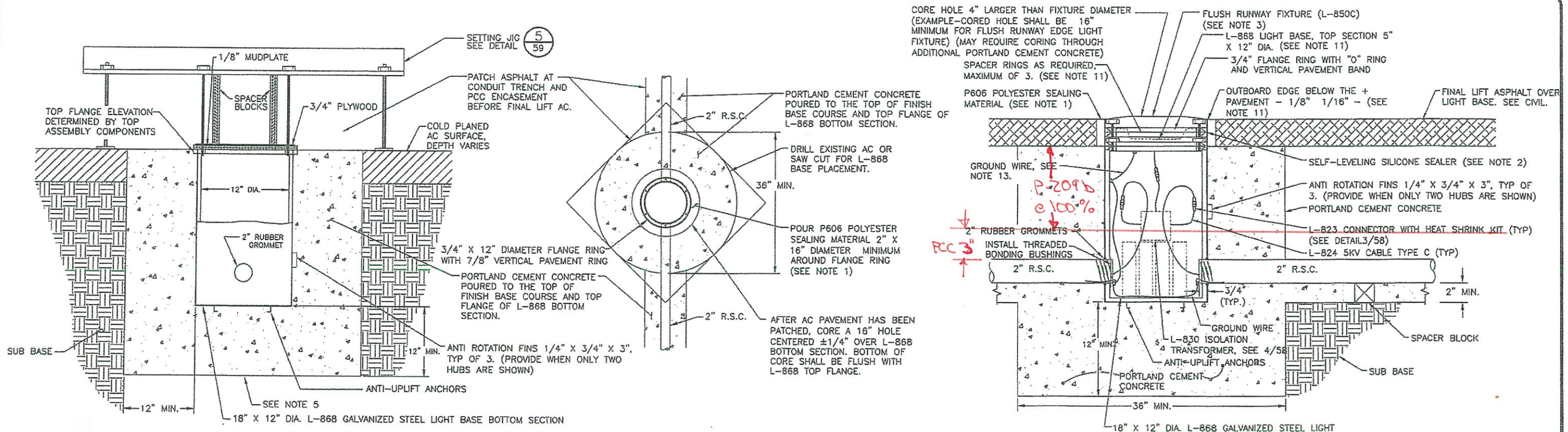


7 L-867 BASE WITH LIGHT
58 NTS



BY	DATE	REVISION

Date Revised: 5/16/2016, 3:59 PM
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 File Path and Name: Z:\000059DA - Cold Bay Airport Improv 2013 - Runway 15-33E-Workshop\Drawings\2:000059.E11.dwg
 Drawn By: JML
 Checked By: JML

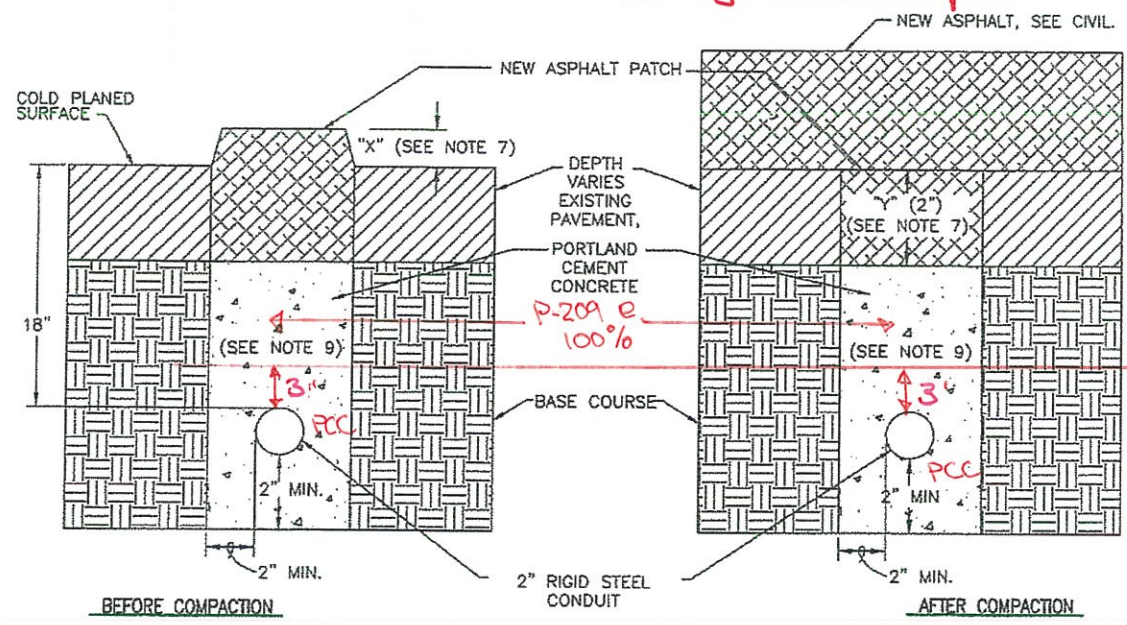


1 NEW LIGHT BASE INSTALLATION - SECTION
59 NTS

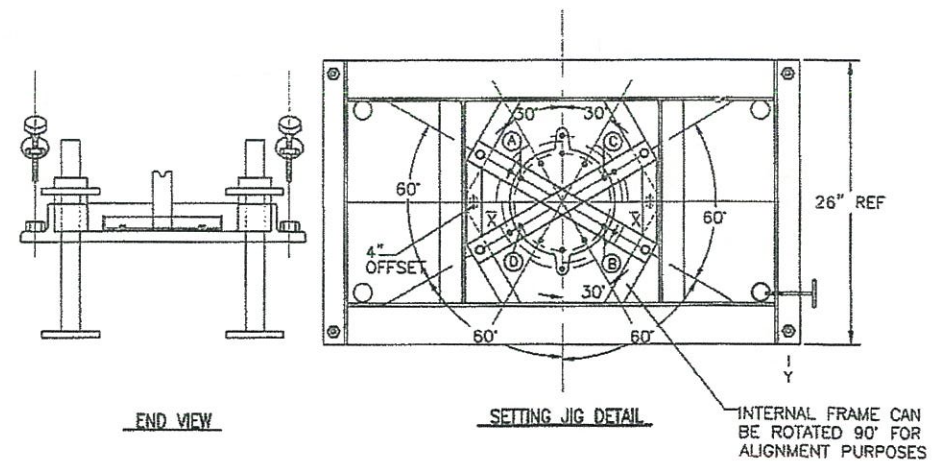
2 NEW LIGHT BASE INSTALLATION - PLAN VIEW
59 NTS

3 NEW LIGHT BASE ASSEMBLY
59 NTS

- NOTES:
- POLYESTER SEALING MATERIAL SHALL BE BITUPLASTIC MATERIALS MEETING SECTION P-606. SURFACE SHALL BE COMPLETELY CLEAN AND DRY BEFORE INSTALLING.
 - SELF-LEVELING SILICONE SEALER SHALL BE GE BRAND RTV 118 OR APPROVED EQUAL.
 - FIXTURE SHALL BE A FLUSH MOUNT MODEL AND INSTALLATION SHALL BE A DRY-TYPE SYSTEM.
 - CONDUIT SYSTEM SHALL BE INSTALLED AT THE SAME GRADE AS THE RUNWAY AND SLOPED TO DRAIN TO THE LOW SPOTS AND DRAINS WHERE SHOWN.
 - BOTTOM OF CORED HOLE SHALL BE COMPACTED BEFORE CONCRETE IS POURED.
 - A THIRD HUB FOR A CONDUIT DRAIN SHALL BE PROVIDED WHERE SHOWN ON PLANS.
 - HEIGHT OF "X" MAY VARY DEPENDING ON FIELD CONDITIONS. HEIGHT OF "X" SHALL EQUAL 1/4" PER 1" OF COMPACTED DEPTH "Y".
 - SETTING JIG FOR FIXTURE SHALL BE FROM JAQUITH INDUSTRIES INC. OR APPROVED EQUAL AND SHALL BE SUBSIDIARY TO THE CONTRACT.
 - CONCRETE SHALL MEET THE REQUIREMENTS FOR STRUCTURAL CONCRETE (ITEM P-610).
 - ALL CONDUIT SHALL BE INSTALLED BEFORE FINAL PAVING OPERATION BEGINS. NEW FLUSH FIXTURE BOTTOM SECTION SHALL BE INSTALLED BEFORE FINAL LIFT ASPHALT.
 - CONTRACTOR SHALL INSTALL ONE 3/8" SPACER RING FOR FUTURE ADJUSTMENT AND ANY OTHER SPACER RINGS AS REQUIRED TO MEET FINAL ELEVATION. UNDER NO CONDITION SHALL THE TOP SECTION BE REDUCED TO LESS THAN 5". ALL MATERIALS REQUIRED SHALL BE SUBSIDIARY TO ITEM L-100K AND NO SEPARATE PAYMENT WILL BE MADE.
 - CABLES AND GROUND STRAPS SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 36" ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED 6" FROM CONNECTOR WITH "FLAG TAG" MARKERS OR APPROVED EQUAL. CIRCUITS PASSING THROUGH LIGHT BASE SHALL NOT REQUIRE SERVICE LOOPS IF CABLE IS NOT INCIDENTAL TO THAT LIGHT'S CIRCUITRY.
 - GROUND FIXTURE WITH MINIMUM #6 AWG STRANDED COPPER, GREEN INSULATED CONDUCTOR OR WITH EQUIVALENT COPPER BRAIDED GROUND STRAP. BOND TO FIXTURE PER MANUFACTURER'S INSTRUCTIONS.



4 CONDUIT TRENCH THROUGH EXISTING PAVEMENT
59 NTS



5 SETTING JIG
59 NTS

** Refer to 6/2017 Brian Hausman / Doug Hauke email allowing re-design concrete depth.*

As-Built



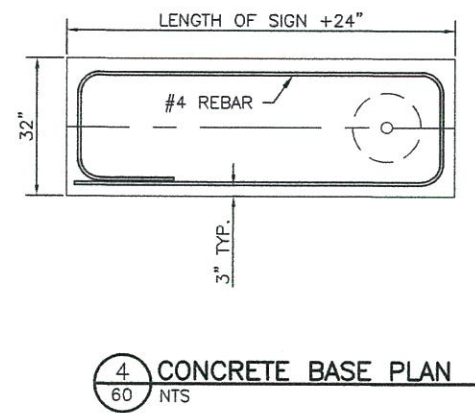
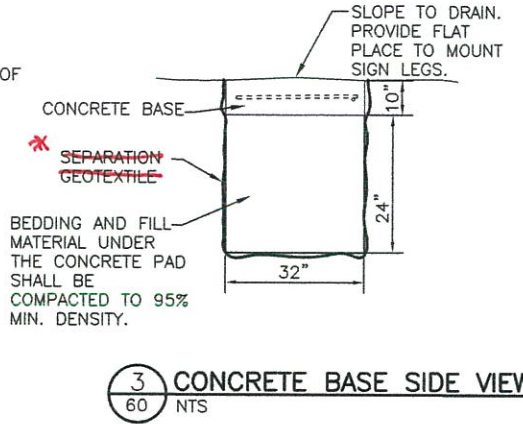
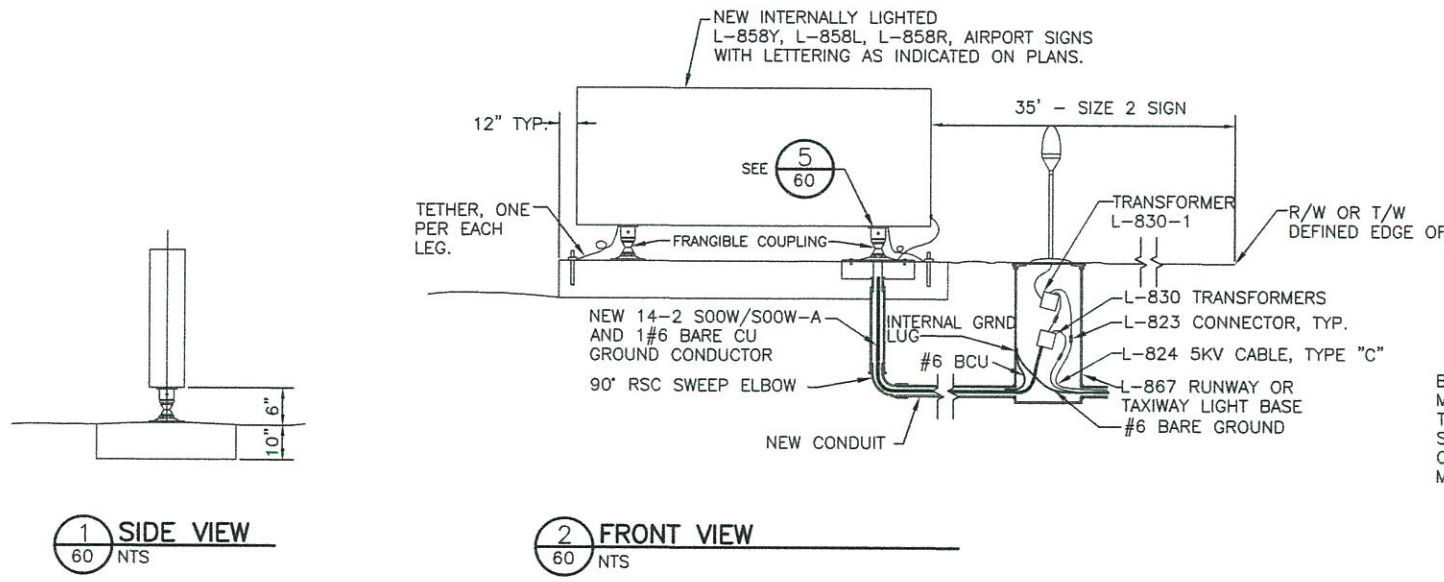
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. 53754
AIP No. 3-02-0065-011-2013
FLUSH LIGHTING DETAILS

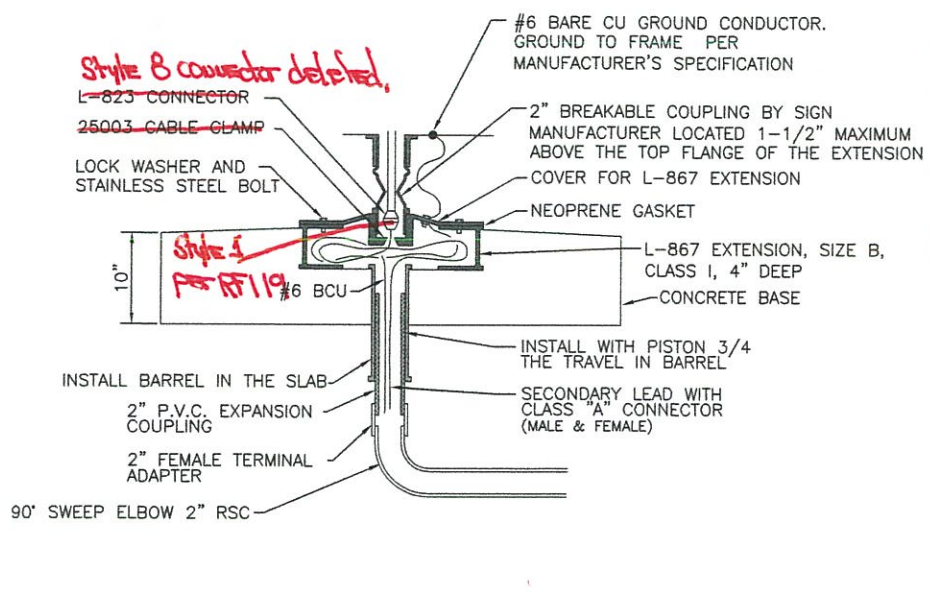
DATE: 05/16/2016
SHEET: 59 of 97
AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:59 PM
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 File Path and Name: Z:\09039CBA - Cold Bay Airport Improv 2013 - Runway 15-33E - Working\Drawings\09039_E12.dwg
 Designed By: DMH
 Drawn By: CMV
 Checked By: MLL



L-858 SIGN DETAILS

** Geo-textile deleted
 Extension free.*



5 ELECTRICAL CONNECTION DETAIL
 60 NTS

As Built

*← Sign 91P cord
 Field covered Style 1, 91R L-823
 #14/2 soow cord
 Field covered Style 1, 91P L-823
 New detail per RFI 19*

SIGN SCHEDULE									
SIGN No.	SIDE	PANEL	TYPE	PURPOSE	LEGEND	LEGEND COLOR	FACE COLOR	STATIONING	REMARKS
1	1	1	L-858R	MANDATORY INSTRUCTION SIGN	33-15	WHITE	RED	TW D 403+00.00 (60.00 RT)	
	2	2	L-858L	TAXIWAY LOCATION SIGN	D	YELLOW	BLACK		
2	1	1	L-858Y	RUNWAY EXIT SIGN	← D	BLACK	YELLOW	TW D 401+10.00 (71.55 LT)	
	2								
3	1	1	L-858Y	RUNWAY EXIT SIGN	D →	BLACK	YELLOW	TW D 401+10.00 (71.55 RT)	
	2								
4	1	1	L-858Y	RUNWAY EXIT SIGN	← C	BLACK	YELLOW	TW C 201+10.00 (155.00 LT)	
	2								
5	1	1	L-858Y	RUNWAY EXIT SIGN	C →	BLACK	YELLOW	TW C 201+10.00 (155.00 RT)	
	2								
6	1	1	L-858R	MANDATORY INSTRUCTION SIGN	33-15	WHITE	RED	TW C 203+00.00 (80.00 RT)	
	2	2	L-858L	TAXIWAY LOCATION SIGN	C	YELLOW	BLACK		
7	1	1	L-858R	MANDATORY INSTRUCTION SIGN	26-8	WHITE	RED	RW 15-33 14+24.34 (110.00 RT)	
	2								
8	1	1	L-858R	MANDATORY INSTRUCTION SIGN	26-8	WHITE	RED	RW 15-33 14+24.34 (110.00 LT)	
	2								
9	1	1	L-858R	MANDATORY INSTRUCTION SIGN	8-26	WHITE	RED	RW 15-33 7+91.32 (110.00 RT)	
	2								
10	1	1	L-858R	MANDATORY INSTRUCTION SIGN	8-26	WHITE	RED	RW 15-33 7+91.32 (110.00 LT)	
	2								

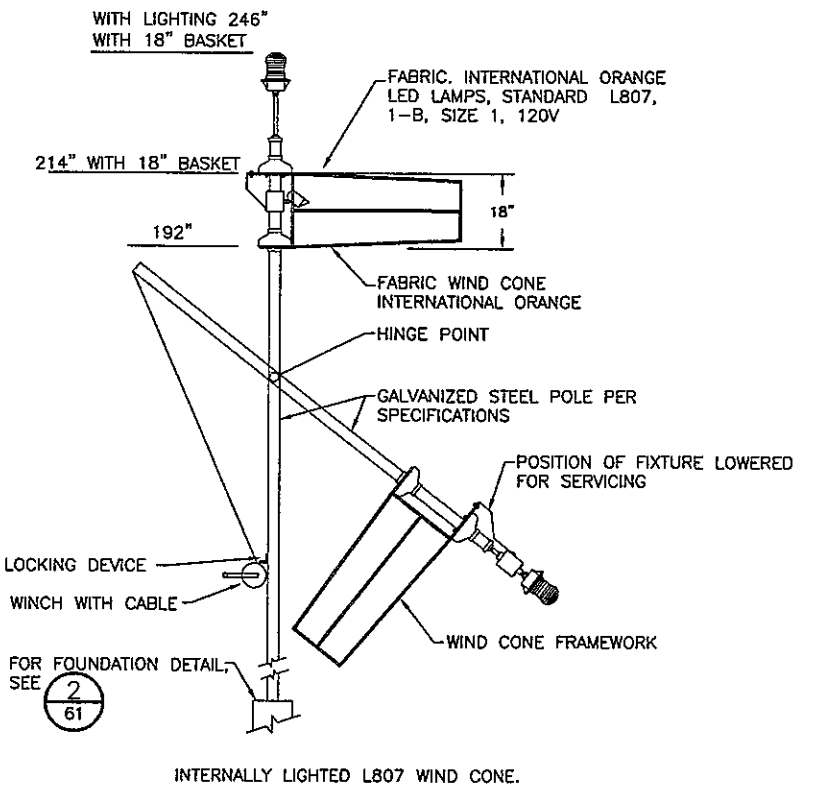
NOTES:

- ALL NEW SIGNS - LED, SIZE 2, STYLE 2 AND 3, CLASS 2, MODE 3.
- ALL CIRCUITS 6.6 A
- PROVIDE NEW TRANSFORMERS, SECONDARY WIRING, AND GROUNDING. TRANSFORMER WATTAGE SIZE PER MANUFACTURER'S SPECIFICATION.
- ATTACH SIGNS TO CONCRETE BASE IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTION.
- THE CONTRACTOR SHALL CERTIFY THE CONCRETE BASE IS CONSTRUCTED TO MEET THE SPECIFICATION P610. CONCRETE BASE SHALL BE LEVEL AND PERPENDICULAR TO RW OR TW CENTERLINE.
- CONDUIT SHALL MEET THE SPECIFICATION L-110.
- CABLE AND CONDUCTORS SHALL MEET THE SPECIFICATION L-108.
- BEDDING, BACK FILL AND FINISH GRADE RESTORATION SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
- ALL CABLES PASSING THROUGH BASE SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 3' ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED.
- SUSPEND TRANSFORMER AND CONNECTOR IN UPPER HALF OF BASE SEE DETAIL 4/58.
- SIGNS TO BE INSTALLED SO THAT THE FACE IS PERPENDICULAR TO THE CENTERLINE OF RUNWAY OR TAXIWAY.
- STATION AND OFFSET REFER TO THE EDGE OF THE SIGN NEAREST THE RUNWAY OR TAXIWAY. SEE DETAIL 2/60.
- OFFSETS LISTED IN THE SIGN SCHEDULE ARE FROM THE CENTERLINE OF THE RUNWAY OR TAXIWAY.
- SIGN PANELS ARE NUMBERED STARTING WITH THE PANEL CLOSEST TO THE RUNWAY OR TAXIWAY EDGE.

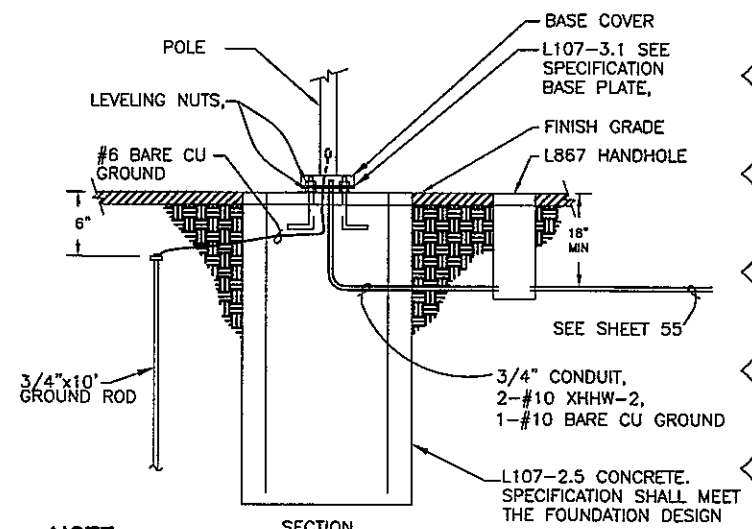


BY	DATE	REVISION

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 Designed By: DMH
 Drawn By: GMV
 Checked By: MAL



1 L807 LIGHTED WIND CONE DETAIL
61 NTS



NOTE:

1. MANUFACTURER'S SHOP DRAWINGS. VERIFY ANCHOR BOLT SIZE, BOLT CIRCLE, AND FOUNDATION SIZE WITH

2 L807 WIND CONE POLE BASE DETAIL
61 NTS

As-Built



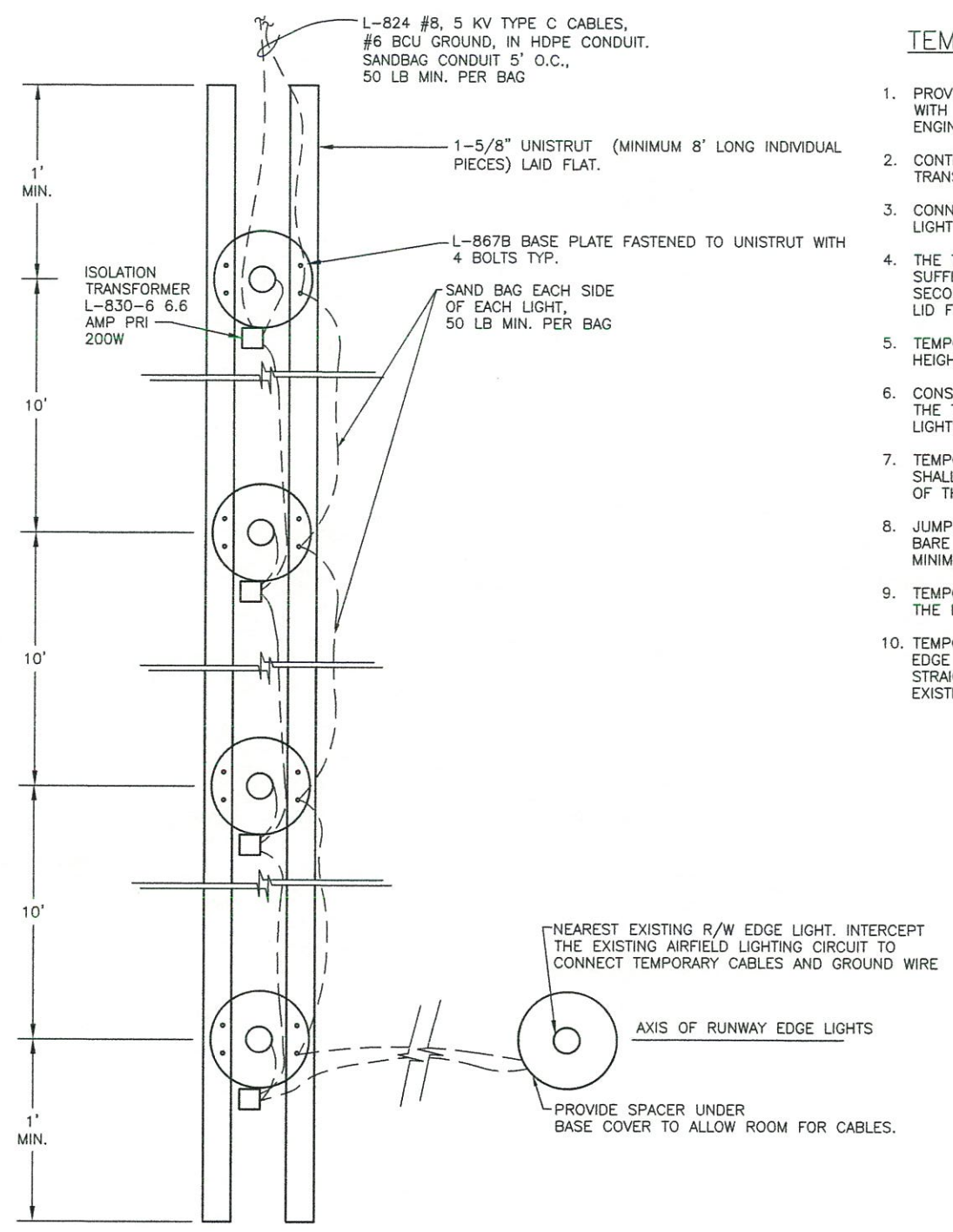
GMV	06/13/18	WIND CONE AND RELATED WORK ADDED
		TO CONTRACT. / 3
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. 53754
AIP No. 3-02-0065-011-2013
WIND CONE DETAILS

DATE: 05/16/2016
SHEET: 61R of 97
AS-BUILT SHEET:

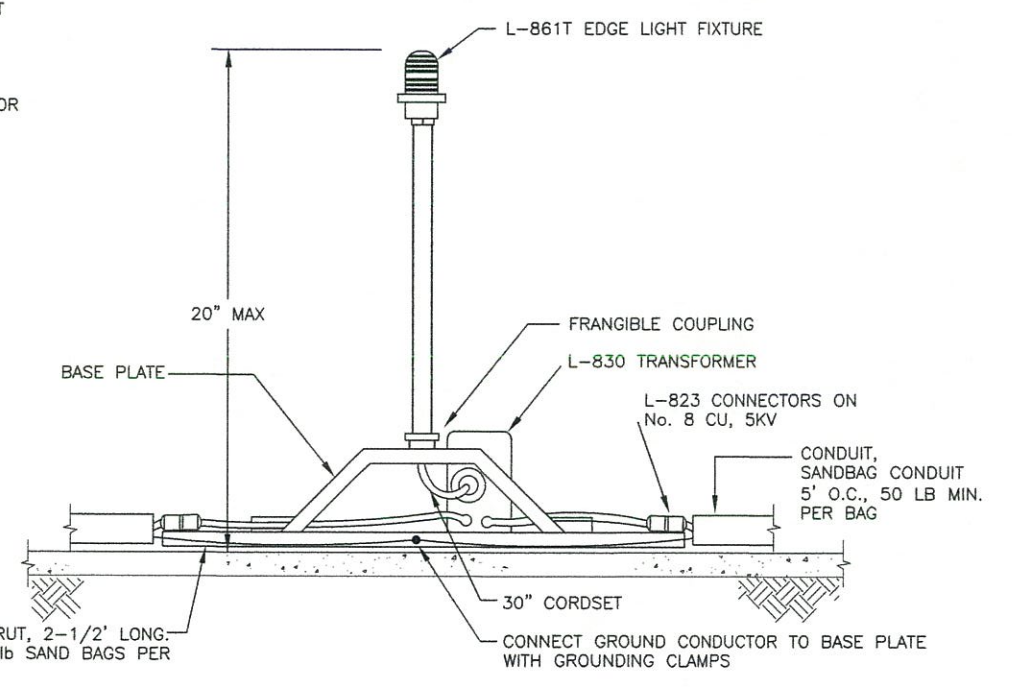
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 Designed By: DMH
 Drawn By: DMH
 Checked By: MLT



1 TEMPORARY THRESHOLD LIGHT BAR
 62 NTS

TEMPORARY LIGHTING NOTES:

1. PROVIDE 2 TEMPORARY THRESHOLD LIGHT BARS IN ACCORDANCE WITH THE PROJECT SAFETY PLAN AND AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR MAY USE AT HIS DISCRETION FIXTURES AND TRANSFORMERS REMOVED FROM THE PROJECT.
3. CONNECT TEMPORARY THRESHOLD LIGHT BARS TO EXISTING EDGE LIGHT CIRCUIT.
4. THE TEMPORARY LIGHT FIXTURES SHALL HAVE CORD SETS OF SUFFICIENT LENGTH TO ALLOW CONNECTION TO TRANSFORMER SECONDARY REMOTE FROM THE AREA UNDERNEATH THE L-867B LID FOR THE TEMPORARY THRESHOLD
5. TEMPORARY LIGHT FIXTURES SHALL BE L-862E (200W), THE SAME HEIGHT: 20"
6. CONSTRUCTION, INSTALLATION, MAINTENANCE AND DEMOLITION OF THE TEMPORARY THRESHOLD LIGHT BARS AND TEMPORARY EDGE LIGHTS SHALL BE SUBSIDIARY TO PAY ITEM L-100r.
7. TEMPORARY THRESHOLD LIGHT BARS AND TEMPORARY EDGE LIGHTS SHALL BE OFFERED TO THE STATE FOR SALVAGE AT COMPLETION OF THE PROJECT.
8. JUMPERS SHALL BE RUN IN HDPE CONDUIT WITH A SEPARATE #6 BARE COPPER GROUND. SANDBAG CONDUIT 5' O.C., 50 LB MINIMUM PER SAND BAG.
9. TEMPORARY JUMPERS SHALL BE SALVAGED OR DISPOSED OF AT THE DIRECTION OF THE ENGINEER.
10. TEMPORARY EDGE LIGHTS SHALL BE LAID OUT SYMMETRICAL TO EDGE LIGHTS ON OPPOSITE SIDE OF RUNWAY. MAINTAIN A STRAIGHT LINE WITH PREVIOUSLY INSTALLED TEMPORARY LIGHT OR EXISTING EDGE LIGHT.



2 TEMPORARY EDGE LIGHT DETAIL
 62 NTS

As-Built



BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 TEMPORARY LIGHTING DETAILS

DATE: 05/16/2016
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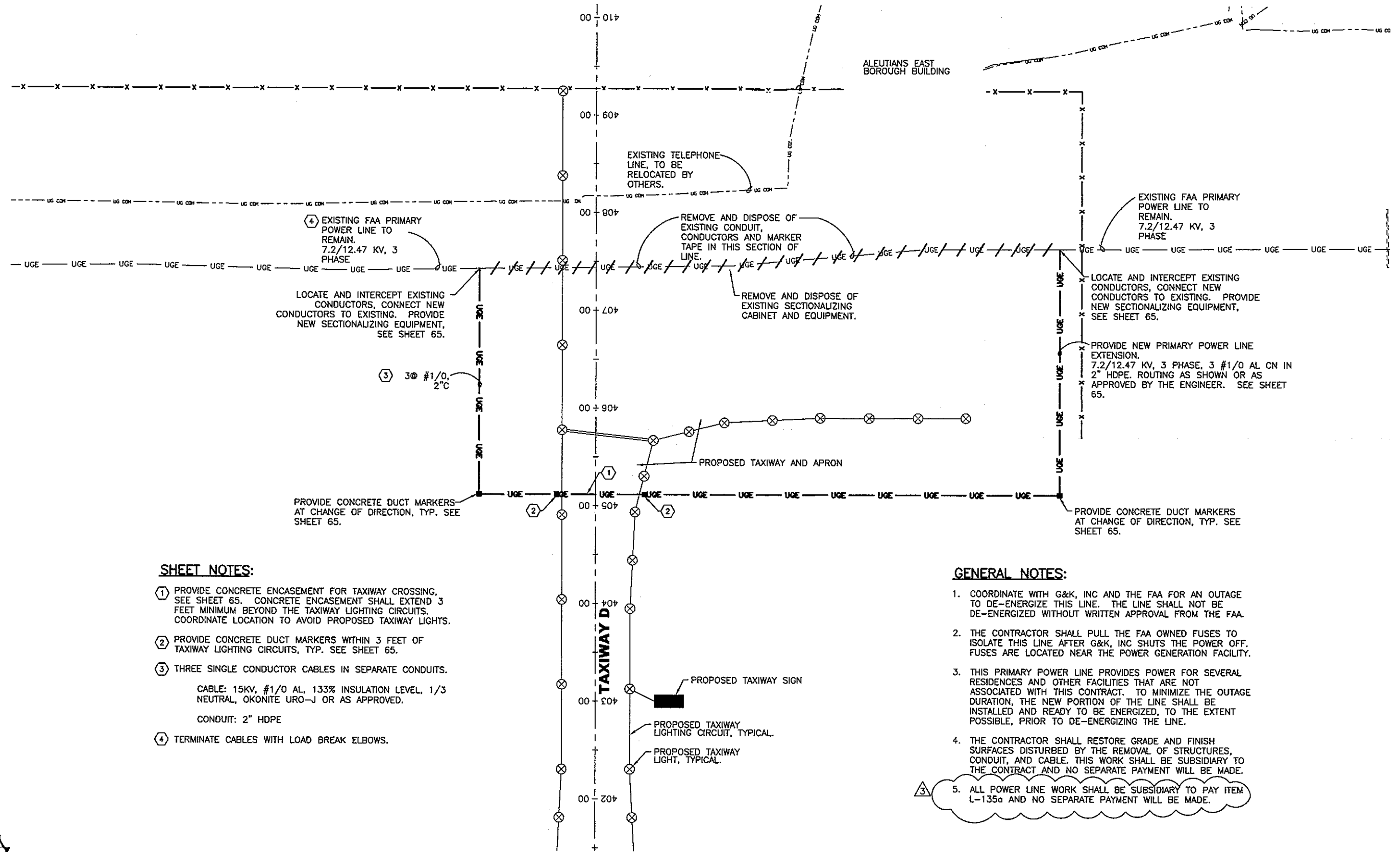
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 File Path and Name: Z:\030392BA - Cold Bay Airport Improv\2013 - Runway 15-33\Working Drawings\030392_E15.dwg
 Designed By: DMH
 Drawn By: GMW
 Checked By: MLL

NUMBER	COLOR	TYPE	LAMP	XFMR	STATION	OFFSET	CIRCUIT	REMARKS
R 1	G/R	L-862E	200	200	104+12.00	85 R	RW 15-33	R-1
R 2	G/R	L-862E	200	200	104+12.00	75 R	RW 15-33	R-1
R 3	G/R	L-862E	200	200	104+12.00	65 R	RW 15-33	R-1
R 4	G/R	L-862E	200	200	104+12.00	55 R	RW 15-33	R-1
R 5	G/R	L-862E	200	200	104+12.00	55 L	RW 15-33	R-1
R 6	G/R	L-862E	200	200	104+12.00	65 L	RW 15-33	R-1
R 7	G/R	L-862E	200	200	104+12.00	75 L	RW 15-33	R-1
R 8	G/R	L-862E	200	200	104+12.00	85 L	RW 15-33	R-1
R 9	W/Y	L-862	150	150	102+16.16	85 R	RW 15-33	R-1
R 10	W/Y	L-850C (2)105	200	200	102+16.16	85 L	RW 15-33	R-1
R 11	W/Y	L-862	150	150	100+20.31	85 R	RW 15-33	R-1
R 12	W/Y	L-850C (2)105	200	200	100+20.31	85 L	RW 15-33	R-1
R 13	W/Y	L-862	150	150	98+24.46	85 R	RW 15-33	R-1
R 14	W/Y	L-862	150	150	98+24.46	85 L	RW 15-33	R-1
R 15	W/Y	L-862	150	150	96+28.62	85 R	RW 15-33	R-1
R 16	W/Y	L-862	150	150	96+28.62	85 L	RW 15-33	R-1
R 17	W/Y	L-862	150	150	94+32.77	85 R	RW 15-33	R-1
R 18	W/Y	L-862	150	150	94+32.77	85 L	RW 15-33	R-1
R 19	W/Y	L-862	150	150	92+36.93	85 R	RW 15-33	R-1
R 20	W/Y	L-862	150	150	92+36.93	85 L	RW 15-33	R-1
R 21	W/Y	L-862	150	150	90+41.08	85 R	RW 15-33	R-1
R 22	W/Y	L-862	150	150	90+41.08	85 L	RW 15-33	R-1
R 23	W/Y	L-862	150	150	88+45.23	85 R	RW 15-33	R-1
R 24	W/Y	L-862	150	150	88+45.23	85 L	RW 15-33	R-1
R 25	W/Y	L-862	150	150	86+49.39	85 R	RW 15-33	R-1
R 26	W/Y	L-862	150	150	86+49.39	85 L	RW 15-33	R-1
R 27	W/Y	L-862	150	150	84+53.54	85 R	RW 15-33	R-1
R 28	W/Y	L-862	150	150	84+53.54	85 L	RW 15-33	R-1
R 29	W/W	L-862	150	150	82+57.69	85 R	RW 15-33	R-1
R 30	W/W	L-862	150	150	82+57.69	85 L	RW 15-33	R-1
R 31	W/W	L-862	150	150	80+61.85	85 R	RW 15-33	R-1
R 32	W/W	L-862	150	150	80+61.85	85 L	RW 15-33	R-1
R 33	W/W	L-862	150	150	78+66.00	85 R	RW 15-33	R-1
R 34	W/W	L-862	150	150	78+66.00	85 L	RW 15-33	R-1
R 35	W/W	L-862	150	150	76+70.16	85 R	RW 15-33	R-1
R 36	W/W	L-862	150	150	76+70.16	85 L	RW 15-33	R-1
R 37	W/W	L-862	150	150	74+74.31	85 R	RW 15-33	R-1
R 38	W/W	L-862	150	150	74+74.31	85 L	RW 15-33	R-1
R 39	W/W	L-862	150	150	72+78.46	85 R	RW 15-33	R-1
R 40	W/W	L-862	150	150	72+78.46	85 L	RW 15-33	R-1
R 41	W/W	L-862	150	150	70+82.62	85 R	RW 15-33	R-1
R 42	W/W	L-862	150	150	70+82.62	85 L	RW 15-33	R-1
R 43	W/W	L-862	150	150	68+86.77	85 R	RW 15-33	R-1
R 44	W/W	L-862	150	150	68+86.77	85 L	RW 15-33	R-1
R 45	W/W	L-862	150	150	66+90.92	85 R	RW 15-33	R-1
R 46	W/W	L-862	150	150	66+90.92	85 L	RW 15-33	R-1
R 47	W/W	L-862	150	150	64+95.08	85 R	RW 15-33	R-1
R 48	W/W	L-862	150	150	64+95.08	85 L	RW 15-33	R-1
R 49	W/W	L-862	150	150	62+99.23	85 R	RW 15-33	R-1
R 50	W/W	L-862	150	150	62+99.23	85 L	RW 15-33	R-1
R 51	W/W	L-862	150	150	61+03.39	85 R	RW 15-33	R-1
R 52	W/W	L-862	150	150	61+03.39	85 L	RW 15-33	R-1
R 53	W/W	L-862	150	150	59+07.54	85 R	RW 15-33	R-1
R 54	W/W	L-862	150	150	59+07.54	85 L	RW 15-33	R-1
R 55	W/W	L-862	150	150	57+11.69	85 R	RW 15-33	R-1
R 56	W/W	L-862	150	150	57+11.69	85 L	RW 15-33	R-1
R 57	W/W	L-862	150	150	55+15.85	85 R	RW 15-33	R-1
R 58	W/W	L-862	150	150	55+15.85	85 L	RW 15-33	R-1
R 59	W/W	L-862	150	150	53+20.00	85 R	RW 15-33	R-1

NUMBER	COLOR	TYPE	LAMP	XFMR	STATION	OFFSET	CIRCUIT	REMARKS
R 60	W/W	L-862	150	150	53+20.00	85 L	RW 15-33	R-1
R 61	W/W	L-862	150	150	51+24.16	85 R	RW 15-33	R-1
R 62	W/W	L-862	150	150	51+24.16	85 L	RW 15-33	R-1
R 63	W/W	L-862	150	150	49+28.31	85 R	RW 15-33	R-1
R 64	W/W	L-862	150	150	49+28.31	85 L	RW 15-33	R-1
R 65	W/W	L-862	150	150	47+32.46	85 R	RW 15-33	R-1
R 66	W/W	L-862	150	150	47+32.46	85 L	RW 15-33	R-1
R 67	W/W	L-850C (2)105	200	200	45+36.62	85 R	RW 15-33	R-1
R 68	W/W	L-862	150	150	45+36.62	85 L	RW 15-33	R-1
R 69	W/W	L-862	150	150	43+40.77	85 R	RW 15-33	R-1
R 70	W/W	L-862	150	150	43+40.77	85 L	RW 15-33	R-1
R 71	W/W	L-862	150	150	41+44.92	85 R	RW 15-33	R-1
R 72	W/W	L-862	150	150	41+44.92	85 L	RW 15-33	R-1
R 73	W/W	L-862	150	150	39+49.08	85 R	RW 15-33	R-1
R 74	W/W	L-862	150	150	39+49.08	85 L	RW 15-33	R-1
R 75	W/W	L-862	150	150	37+53.23	85 R	RW 15-33	R-1
R 76	W/W	L-862	150	150	37+53.23	85 L	RW 15-33	R-1
R 77	W/W	L-862	150	150	35+57.39	85 R	RW 15-33	R-1
R 78	W/W	L-862	150	150	35+57.39	85 L	RW 15-33	R-1
R 79	W/W	L-862	150	150	33+61.54	85 R	RW 15-33	R-1
R 80	W/W	L-862	150	150	33+61.54	85 L	RW 15-33	R-1
R 81	W/W	L-862	150	150	31+65.69	85 R	RW 15-33	R-1
R 82	W/W	L-862	150	150	31+65.69	85 L	RW 15-33	R-1
R 83	W/W	L-862	150	150	29+69.85	85 R	RW 15-33	R-1
R 84	W/W	L-862	150	150	29+69.85	85 L	RW 15-33	R-1
R 85	W/W	L-862	150	150	27+74.00	85 R	RW 15-33	R-1
R 86	W/W	L-862	150	150	27+74.00	85 L	RW 15-33	R-1
R 87	W/W	L-862	150	150	25+78.15	85 R	RW 15-33	R-1
R 88	W/W	L-862	150	150	25+78.15	85 L	RW 15-33	R-1
R 89	W/W	L-862	150	150	23+82.31	85 R	RW 15-33	R-1
R 90	W/W	L-862	150	150	23+82.31	85 L	RW 15-33	R-1
R 91	Y/W	L-850C (2)105	200	200	21+86.46	85 R	RW 15-33	R-1
R 92	Y/W	L-862	150	150	21+86.46	85 L	RW 15-33	R-1
R 93	Y/W	L-850C (2)105	200	200	19+90.62	85 R	RW 15-33	R-1
R 94	Y/W	L-862	150	150	19+90.62	85 L	RW 15-33	R-1
R 95	Y/W	L-862	150	150	17+94.77	85 R	RW 15-33	R-1
R 96	Y/W	L-862	150	150	17+94.77	85 L	RW 15-33	R-1
R 97	Y/W	L-862	150	150	15+98.92	85 R	RW 15-33	R-1
R 98	Y/W	L-862	150	150	15+98.92	85 L	RW 15-33	R-1
R 99	Y/W	L-862	150	150	14+03.08	85 R	RW 15-33	R-1
R 100	Y/W	L-862	150	150	14+03.08	85 L	RW 15-33	R-1
R 101	Y/W	L-850C (2)105	200	200	12+07.23	85 R	RW 15-33	R-1
R 102	Y/W	L-850C (2)105	200	200	12+07.23	85 L	RW 15-33	R-1
R 103	Y/W	L-850C (2)105	200	200	10+11.38	85 R	RW 15-33	R-1
R 104	Y/W	L-862	150	150	10+11.38	85 L	RW 15-33	R-1
R 105	Y/W	L-862	150	150	8+15.54	85 R	RW 15-33	R-1
R 106	Y/W	L-862	150	150	8+15.54	85 L	RW 15-33	R-1
R 107	Y/W	L-862	150	150	6+19.69	85 R	RW 15-33	R-1
R 108	Y/W	L-862	150	150	6+19.69	85 L	RW 15-33	R-1
R 109	Y/W	L-850C (2)105	200	200	4+23.85	85 R	RW 15-33	R-1
R 110	Y/W	L-850C (2)105	200	200	4+23.85	85 L	RW 15-33	R-1
R 111	R/G	L-862E	200	200	2+28.00	85 R	RW 15-33	R-1
R 112	R/G	L-862E	200	200	2+28.00	75 R	RW 15-33	R-1
R 113	R/G	L-862E	200	200	2+28.00	65 R	RW 15-33	R-1
R 114	R/G	L-862E	200	200	2+28.00	55 R	RW 15-33	R-1
R 115	R/G	L-862E	200	200	2+28.00	55 L	RW 15-33	R-1
R 116	R/G	L-862E	200	200	2+28.00	65 L	RW 15-33	R-1
R 117	R/G	L-862E	200	200	2+28.00	75 L	RW 15-33	R-1
R 118	R/G	L-862E	200	200	2+28.00	85 L	RW 15-33	R-1

NUMBER	COLOR	TYPE	LAMP	XFMR	STATION	OFFSET	CIRCUIT	REMARKS
C 1	Blue	L-861T	LED	10/15	200+91.68	L155.65	TW C	T-1
C 2	Blue	L-861T	LED	10/15	200+93.00	L155.65	TW C	T-1
C 3	Blue	L-861T	LED	10/15	200+93.00	L117.01	TW C	T-1
C 4	Blue	L-861T	LED	10/15	201+14.39	L84.57	TW C	T-1
C 5	Blue	L-861T	LED	10/15	201+46.83	L62.89	TW C	T-1
C 6	Blue	L-861T	LED	10/15	201+85.10	L55.28	TW C	T-1
C 7	Blue	L-861T	LED	10/15	202+57.76	L55.28	TW C	T-1
C 8	Blue	L-861T	LED	10/15	203+30.43	L55.28	TW C	T-1
C 9	Blue	L-861T	LED	10/15	204+03.10	L55.28	TW C	T-1
C 10	Blue	L-861T	LED	10/15	204+41.36	L62.89	TW C	T-1
C 11	Blue	L-861T	LED	10/15	204+73.8	L84.57	TW C	T-1
C 12	Blue	L-861T	LED	10/15	204+95.48	L117.01	TW C	T-1
C 13	Blue	L-861T	LED	10/15	205+03.09	L155.65	TW C	T-1
C 14	Blue	L-861T	LED	10/15	205+03.09	L231.57	TW C	T-1
C 15	Blue	L-861T	LED	10/15	205+03.09	L307.85	TW C	T-1
C 16	Blue	L-861T	LED	10/15	205+03.09	L384.14	TW C	T-1
C 17	Blue	L-861T	LED	10/15	205+03.09	L460.42	TW C	T-1
C 18	Blue	L-861T	LED	10/15	205+93.09	L460.42	TW C	T-1
C 19	Blue	L-861T	LED	10/15	206+83.09	L460.42	TW C	T-1
C 20	Blue	L-861T	LED	10/15	205+95.52	R258.59	TW C	T-1
C 21	Blue	L-861T	LED	10/15	205+3.10	R259.6		

Date Revised: 6/20/2016, 1:26 PM
 Layout Name: E16
 File Path and Name: Z:\060596EA - Cold Bay Airport Improv\2013 - Runway 15-33A-Working\Drawings\060596_E16.dwg
 Designed By: DMH
 Drawn By: GAY
 Checked By: MIL



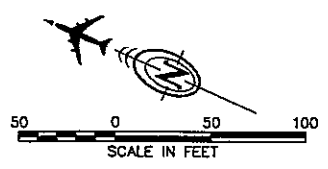
SHEET NOTES:

- ① PROVIDE CONCRETE ENCASUREMENT FOR TAXIWAY CROSSING, SEE SHEET 65. CONCRETE ENCASUREMENT SHALL EXTEND 3 FEET MINIMUM BEYOND THE TAXIWAY LIGHTING CIRCUITS. COORDINATE LOCATION TO AVOID PROPOSED TAXIWAY LIGHTS.
- ② PROVIDE CONCRETE DUCT MARKERS WITHIN 3 FEET OF TAXIWAY LIGHTING CIRCUITS, TYP. SEE SHEET 65.
- ③ THREE SINGLE CONDUCTOR CABLES IN SEPARATE CONDUITS.
 CABLE: 15KV, #1/0 AL, 133% INSULATION LEVEL, 1/3 NEUTRAL, OKONITE URO-J OR AS APPROVED.
 CONDUIT: 2" HDPE
- ④ TERMINATE CABLES WITH LOAD BREAK ELBOWS.

GENERAL NOTES:

- 1. COORDINATE WITH G&K, INC AND THE FAA FOR AN OUTAGE TO DE-ENERGIZE THIS LINE. THE LINE SHALL NOT BE DE-ENERGIZED WITHOUT WRITTEN APPROVAL FROM THE FAA.
- 2. THE CONTRACTOR SHALL PULL THE FAA OWNED FUSES TO ISOLATE THIS LINE AFTER G&K, INC SHUTS THE POWER OFF. FUSES ARE LOCATED NEAR THE POWER GENERATION FACILITY.
- 3. THIS PRIMARY POWER LINE PROVIDES POWER FOR SEVERAL RESIDENCES AND OTHER FACILITIES THAT ARE NOT ASSOCIATED WITH THIS CONTRACT. TO MINIMIZE THE OUTAGE DURATION, THE NEW PORTION OF THE LINE SHALL BE INSTALLED AND READY TO BE ENERGIZED, TO THE EXTENT POSSIBLE, PRIOR TO DE-ENERGIZING THE LINE.
- 4. THE CONTRACTOR SHALL RESTORE GRADE AND FINISH SURFACES DISTURBED BY THE REMOVAL OF STRUCTURES, CONDUIT, AND CABLE. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
- ③ 5. ALL POWER LINE WORK SHALL BE SUBSIDIARY TO PAY ITEM L-135a AND NO SEPARATE PAYMENT WILL BE MADE.

As-Built



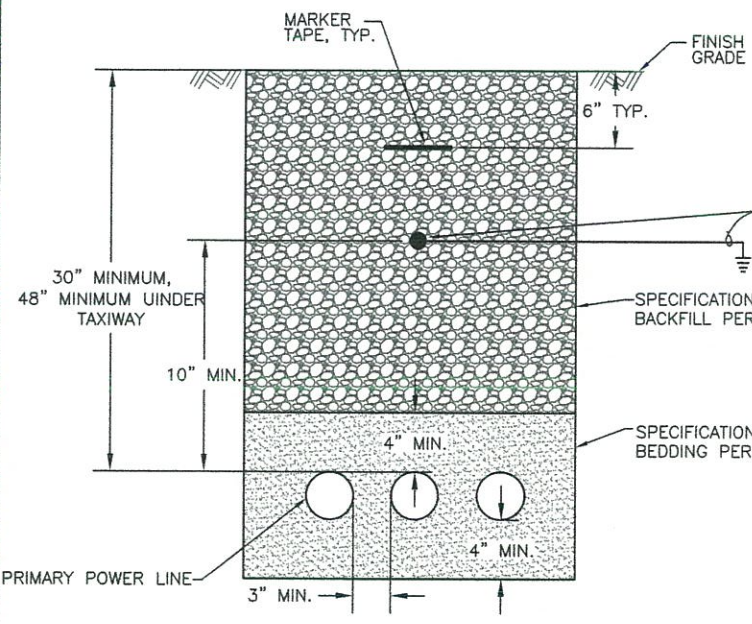
DMH	06/20/16	PAY ITEM CLARIFICATION, ③
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

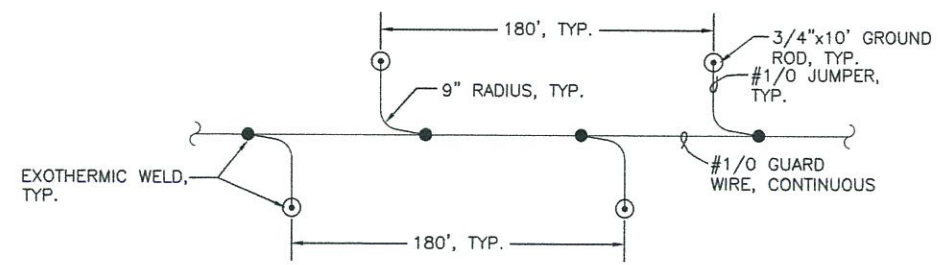
COLD BAY AIRPORT
COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 FAA PRIMARY POWER LINE
 RELOCATION PLAN

DATE: 05/16/2016
 SHEET: 64R OF 97
 AS-BUILT SHEET:

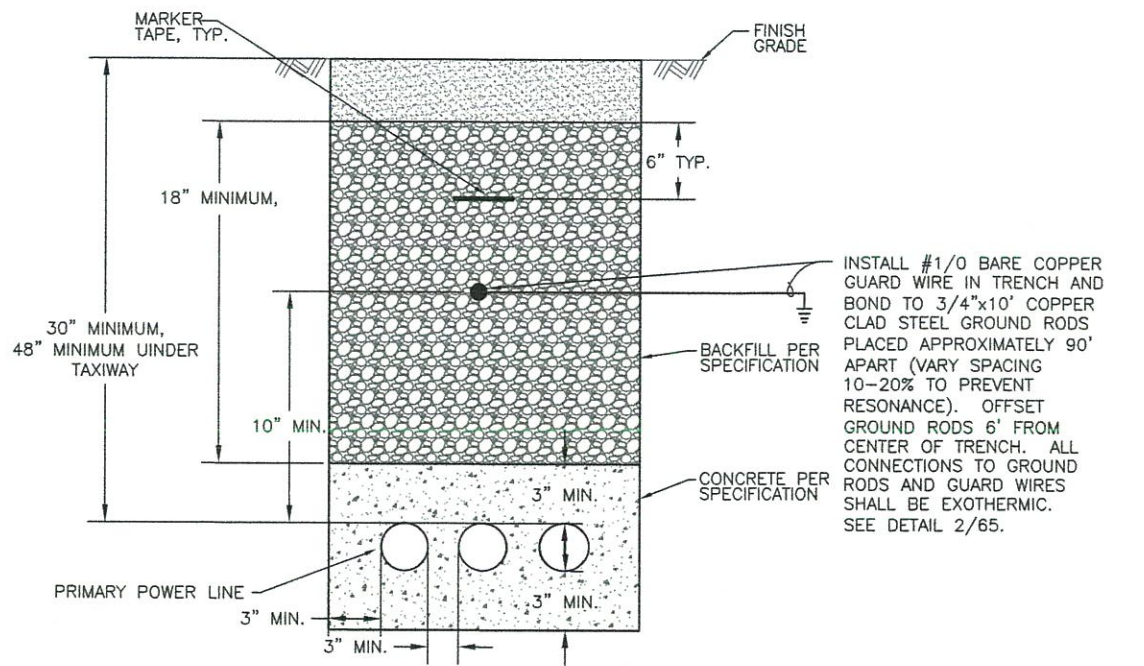
Date Revised: 5/16/2016, 4:00 PM
 Layout Name: E17
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 Designed By: DMH
 Drawn By: GAV
 Checked By: M.L.



1 TRENCH DETAIL
65 NTS

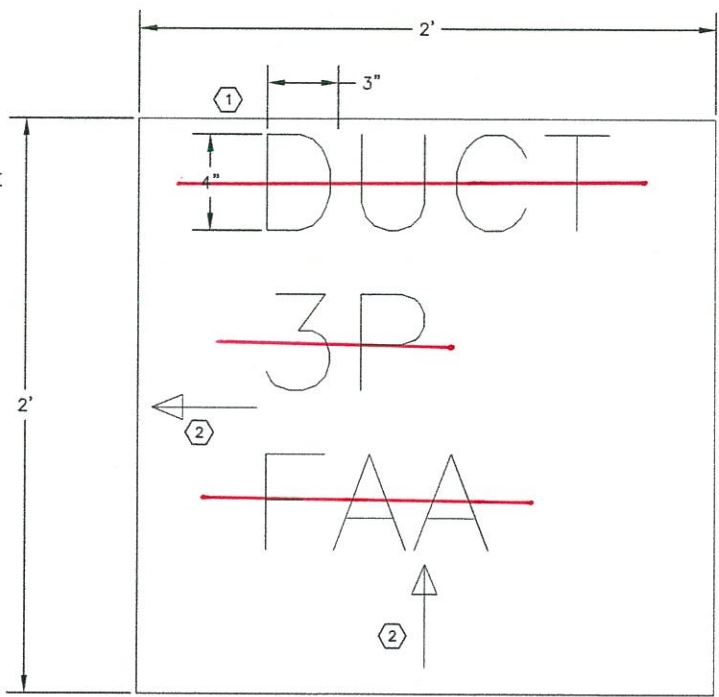


2 GUARD WIRE DETAIL
65 NTS

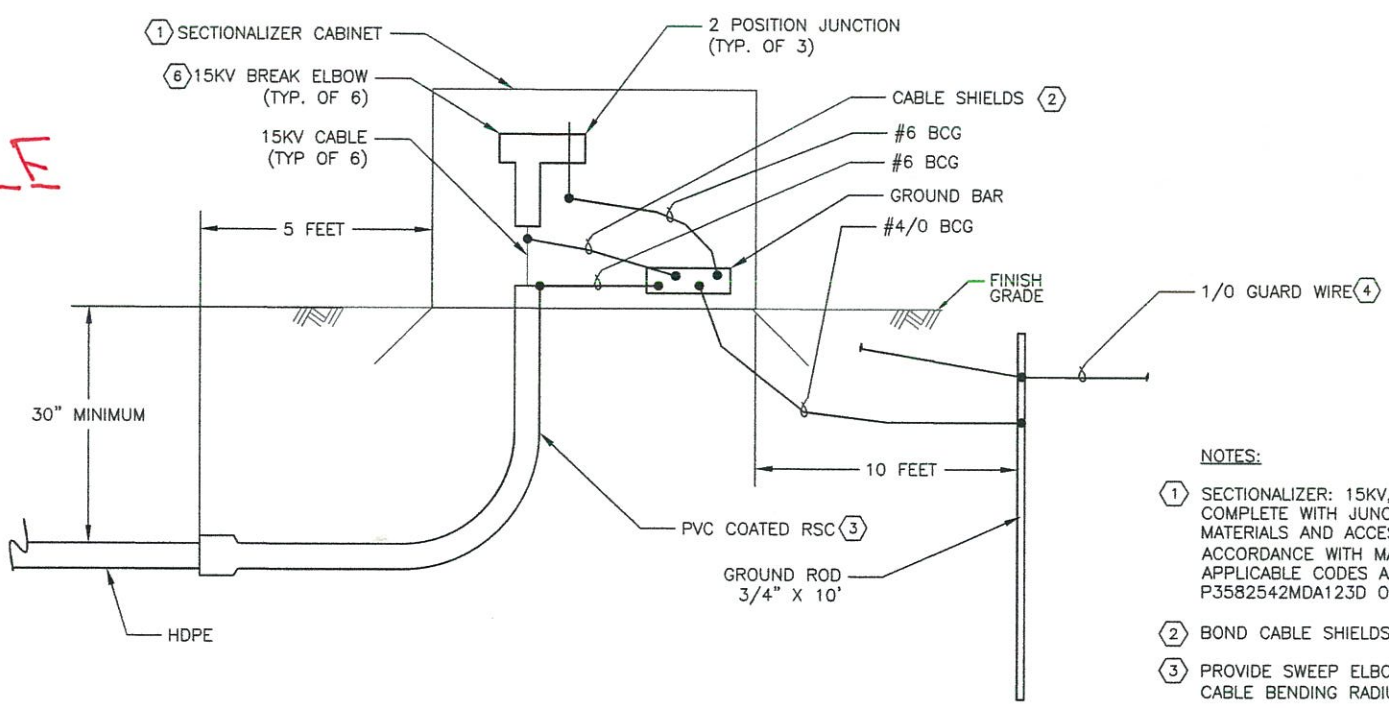


3 CONCRETE ENCASEMENT DETAIL
65 NTS

- NOTES:
- 1 ARROW TO SHOW DIRECTION OR CHANGE IN DIRECTION OF DUCT.
 - 2 LETTER TO BE 4" TALL 3" WIDE AND PRESSED 1/2" DEEP.
 3. MARKER TO MEET FAA SPEC FAA-C-1391D 5.13



4 CONCRETE DUCT MARKER DETAIL
65 3" = 1'-0"



5 SECTIONALIZER DETAIL
65 NTS

- NOTES:
- 1 SECTIONALIZER: 15KV, 3PH, 200A, FIBERGLASS ENCLOSURE, COMPLETE WITH JUNCTIONS, ELBOWS, PARKING STANDS, OTHER MATERIALS AND ACCESSORIES AS REQUIRED. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS, HUBBEL MODEL P3582542MDA123D OR AS APPROVED.
 - 2 BOND CABLE SHIELDS PER MANUFACTURER'S INSTRUCTIONS.
 - 3 PROVIDE SWEEP ELBOW WITH RADIUS GREATER THAN MINIMUM CABLE BENDING RADIUS, 24" SWEEP RADIUS MINIMUM.
 - 4 MAINTAIN 10' SEPARATION BETWEEN GUARD WIRE AND SECTIONALIZER ENCLOSURE.
 5. BOND ALL NON-CURRENT CARRYING METALLIC EQUIPMENT TO GROUND BAR WITH #6 BARE COPPER WIRE.
 - 6 PROVIDE LOAD BREAK ELBOWS FOR INCOMING POWER CABLES (3 TOTAL). SEE SITE PLAN.

As-Built



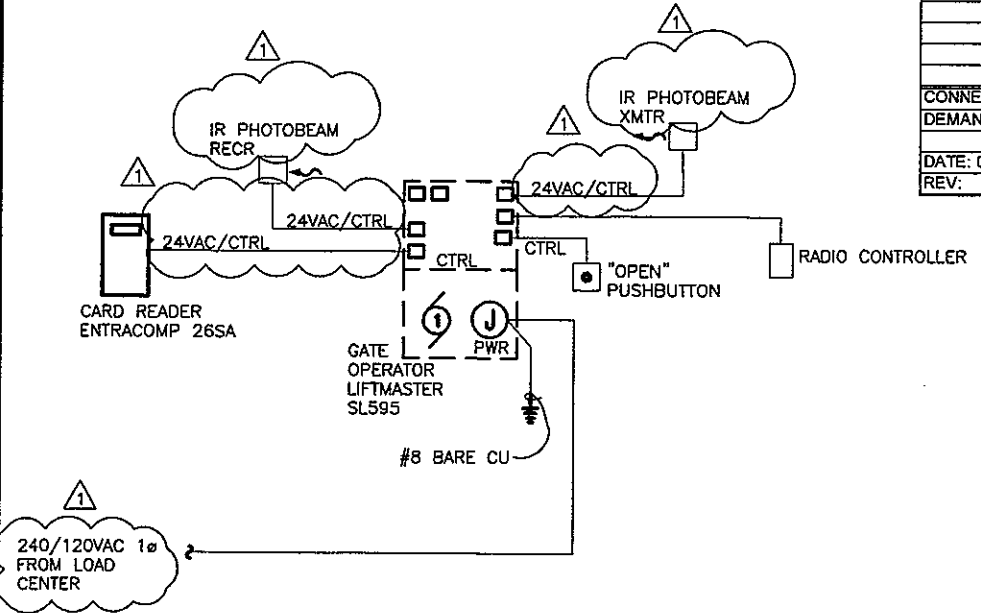
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 MAIN RUNWAY REHABILITATION
 PROJECT No. 53754
 AIP No. 3-02-0065-011-2013
 PRIMARY POWER LINE DETAILS

DATE: 05/16/2016
 SHEET: 65 OF 97
 AS-BUILT SHEET:

PANEL: LOADCENTER		MOUNTING		MAINS		OPTIONS	
PROJECT: COLD BAY AIRPORT		<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> LUGS	<input type="checkbox"/> FEEDTHRU	<input type="checkbox"/> SHUNT TRIP	<input type="checkbox"/> ISO GND BAR	
		<input type="checkbox"/> FLUSH	<input checked="" type="checkbox"/> CB	<input type="checkbox"/> SUBFEED LUG	<input type="checkbox"/> SUBFEED BRKR	<input checked="" type="checkbox"/> SOLID NEUTRAL	
VOLTAGE	240/120 VOLT	1 PHASE 3 WIRE		100 A MAIN CB		10k AIC	
CIRCUIT DESCRIPTION	KVA	AMP	P	CKT	CKT	AMP	P
GATE #1 CONTROLLER #1	1.9	20	2	1	2	20	2
				3	4		
				5	6		
				7	8	20	1
				9	10		
				11	12		
CONNECTED LOAD:	3.8 KVA	16	A	REMARKS: COMBINATION METER AND PANELBOARD.			
DEMAND LOAD:	4.3 KVA	18	A	IN NEMA 4X ENCLOSURE			
DATE:	05-26-2016						
REV:							



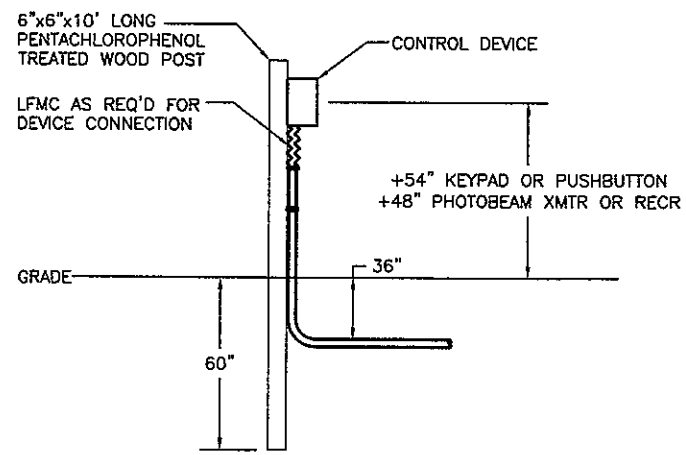
1 ONE-LINE DIAGRAM - TYP OF 2
66

SEQUENCE OF OPERATIONS:

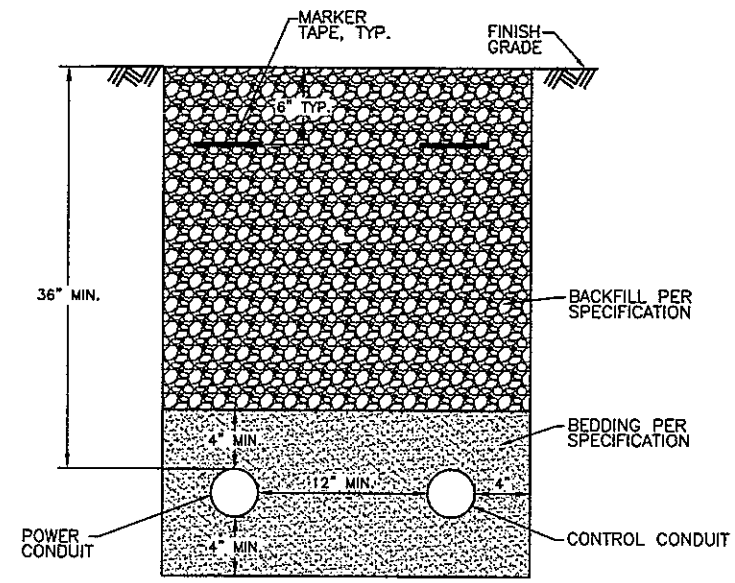
- (1) CARD READER: ACTIVATION OF CARD READER OPENS GATE FOR PRESET TIME.
- (2) RADIO CONTROL: ACTIVATION OF RADIO CONTROL OPENS GATE FOR PRESET TIME.
- (3) PHOTOBEAM: IF GATE IS CLOSING AND PHOTOBEAM IS BROKEN, GATE RETURN TO OPEN POSITION.
- (4) PUSHBUTTON: WHEN OPERATED, GATE OPENS FOR PRESET TIME. TIMER STARTS WHEN PUSHBUTTON IS RELEASED.

ABBREVIATIONS

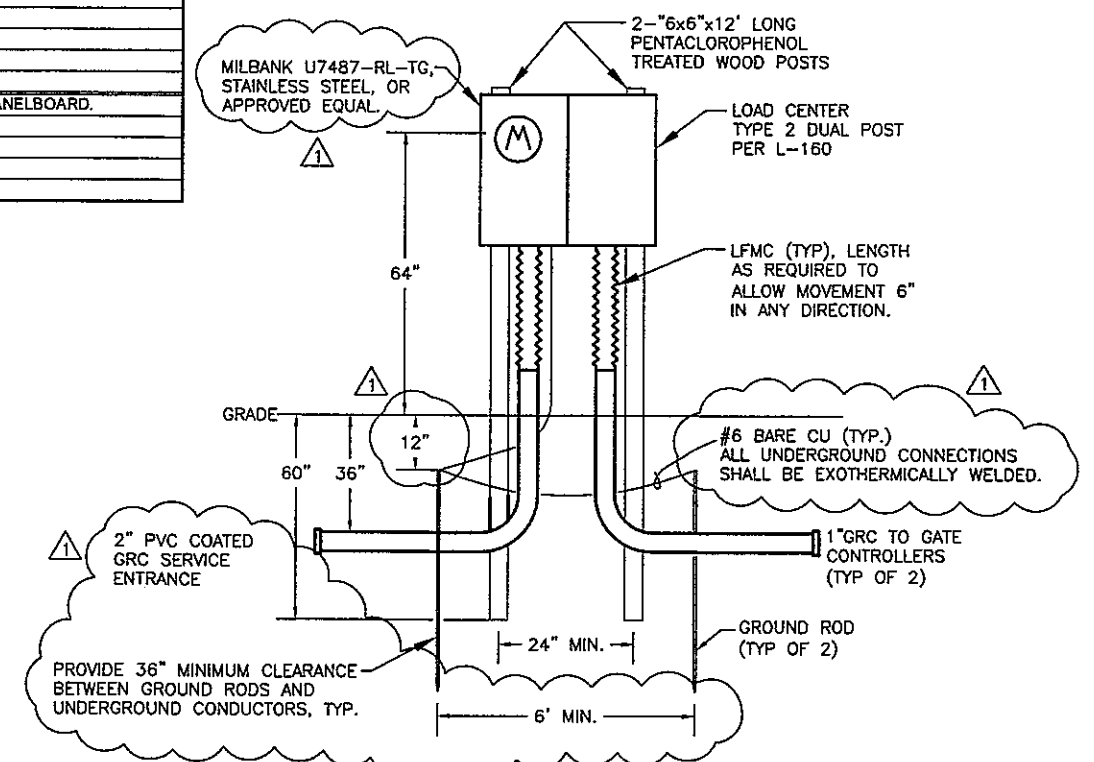
XMTR	TRANSMITTER
IR	INFRARED
RECR	RECEIVER
UON	UNLESS OTHERWISE NOTED
AG	ABOVE GRADE
BG	BELOW GRADE
GRC	GALVANIZED RIGID CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE
MT	MOUNT



2 GATE CONTROL DEVICE MOUNTING
66 NTS



4 CONDUIT TRENCH DETAIL
66 NTS

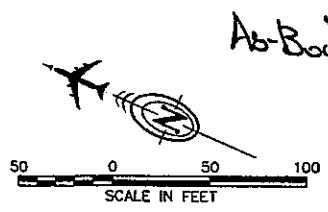


3 LOAD CENTER ELEVATION
66 NTS

NOTES:

1. ALL EQUIPMENT, MATERIALS AND CONNECTIONS SHALL BE SUITABLE FOR OUTDOOR USE.
 - 1.1. PANELBOARD ENCLOSURES: NEMA 4X STAINLESS STEEL.
 - 1.2. METER BASE ENCLOSURE: NEMA 3R STAINLESS STEEL.
 - 1.3. PUSHBUTTON ENCLOSURE: NEMA 4X.
 - 1.4. MOUNTING HARDWARE: STAINLESS STEEL.
2. PROVIDE GATE OPERATOR WITH HEATER KIT, CARD READER, RADIO CONTROL, PUSH BUTTON, PHOTO BEAM TRANSMITTER, AND PHOTO BEAM RECEIVER.
3. INSTALL GATE OPERATORS, CARD READER, AND OTHER EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS.
4. PROGRAM GATE OPERATORS AS REQUIRED FOR PROPER OPERATION IN ACCORDANCE WITH SEQUENCE OF OPERATIONS. VERIFY TIME DELAYS AND OTHER SETTINGS WITH AIRPORT MAINTENANCE PERSONNEL.
5. COORDINATE WITH UTILITY TO PROVIDE 120/240V 1Ø 3W SERVICE. COMPLY WITH UTILITY REQUIREMENTS FOR SERVICE ENTRANCE.
6. PROVIDE SIGN READING "OPEN GATE" ADJACENT TO PUSHBUTTON.
7. PROVIDE CONCRETE FOUNDATIONS FOR CONTROLLERS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SUBMIT FOUNDATION DESIGN FOR APPROVAL.
8. ALL EQUIPMENT SHALL BE AS SPECIFIED OR APPROVED EQUAL.

Date Revised: 8/08/2016, 10:15 AM
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 File Path and Name: Z:\0003928A - Cold Bay Airport Improv\2013 - Runway_15-33\Working Drawings\05039_E1-17.dwg
 Designed By: DMH
 Drawn By: GMV
 Checked By: MIL



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.



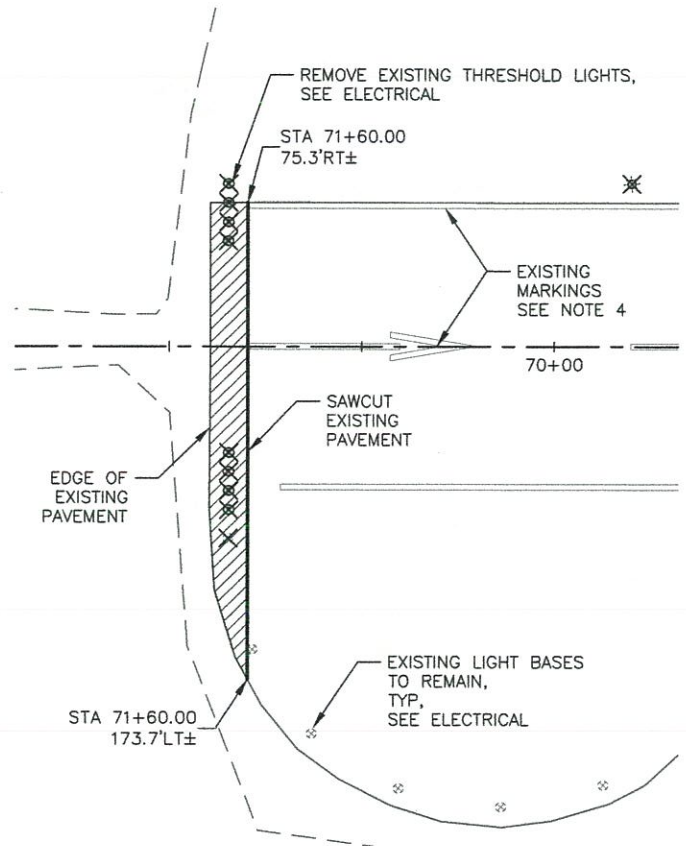
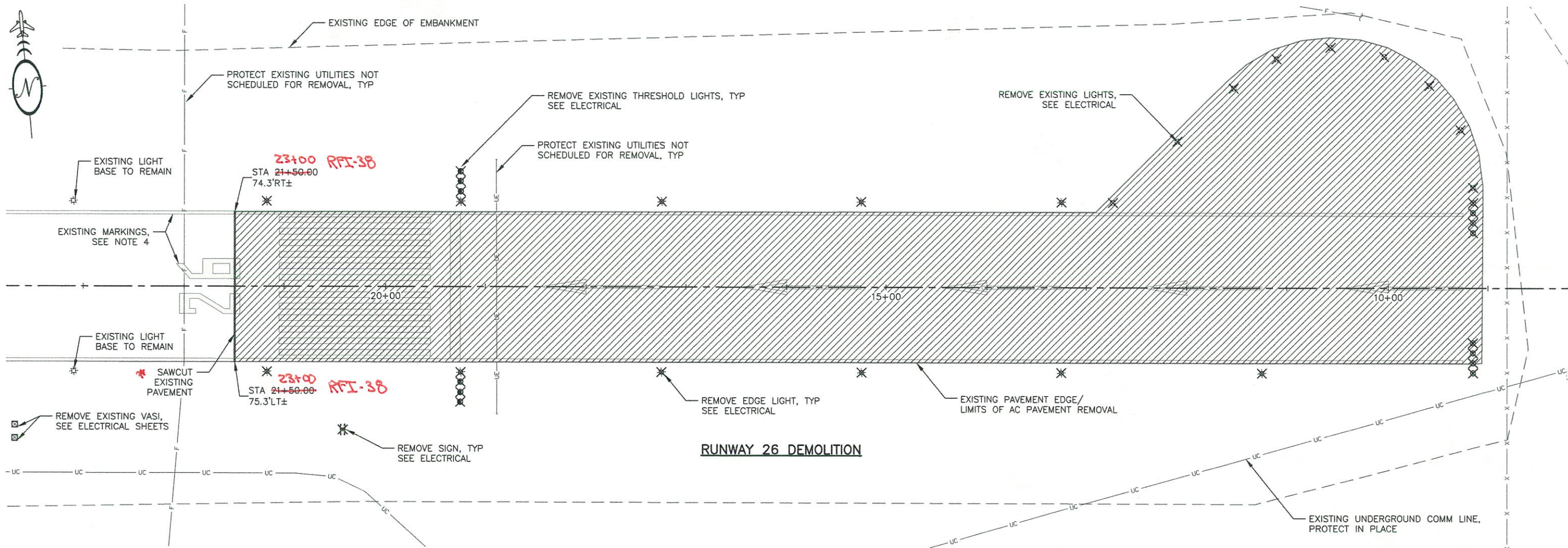
GMV	06/08/16	NEW UTILITY SERVICE DETAILS ADDED	1
BY	DATE	REVISION	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
MAIN RUNWAY REHABILITATION
PROJECT No. 53754
AIP No. 3-02-0065-011-2013
GATE DETAILS

DATE: 05/16/2016
SHEET: 66R OF 97
AS-BUILT SHEET:

Date Revised: 6/23/2016, 10:59 AM
 Layout Name: Layout1
 File Path and Name: \\mmmmmm\3\project\316.01_DOT_C_Cold_Bay_Crosswind_Design_Services\Civil\A\A0\316.01_Border.dwg
 Designed By: MMH
 Drawn By: JMC
 Checked By: EJC



LEGEND

REMOVE EXISTING ±4" THICK AC PAVEMENT AND PROCESS FOR USE AS RAP.

NOTES:

1. PAVEMENT THICKNESS WAS DETERMINED FROM DOT&PF AS-BUILTS. PAVEMENT THICKNESS MAY VARY FROM THAT SHOWN ON PLANS.
2. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND DEPTHS ARE UNKNOWN. OBTAIN FIELD LOCATES PRIOR TO DEMOLITION.
3. REMOVING EXISTING AC PAVEMENT AND PROCESS AS RAP IS PAID FOR UNDER ITEM P-162, PAVEMENT COLD PLANING.
4. REMOVE ALL EXISTING PAVEMENT MARKINGS ON RUNWAY 8-26. SEE CSPP SHEETS FOR TEMPORARY MARKING REQUIRED FOR PHASED OPENINGS/CLOSURES.

As-Built



DEVELOPED BY: **R&M CONSULTANTS, INC.**



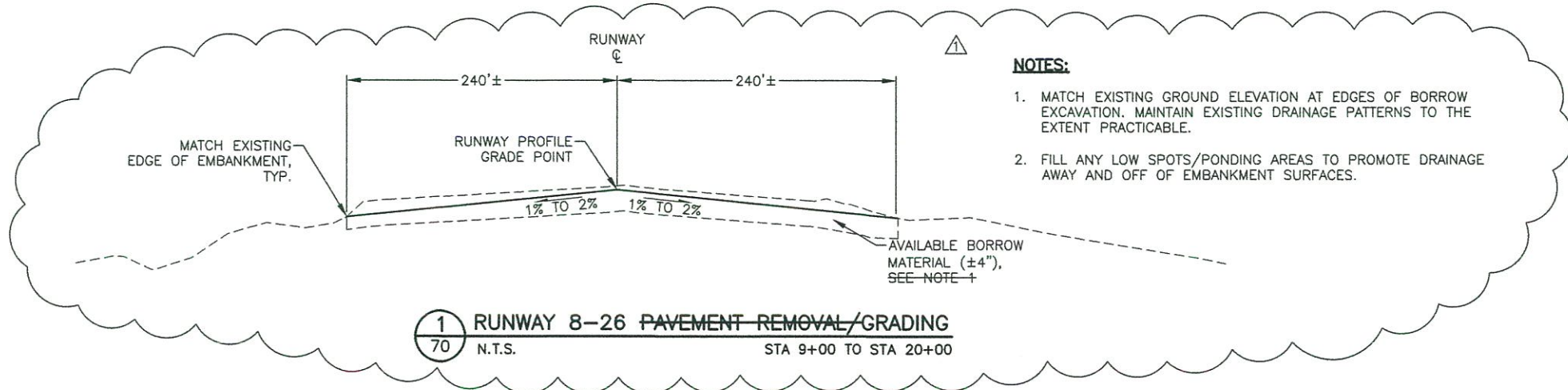
EJG	6/23/16	REVISOR	REVISED NOTE
BY	DATE		REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 DEMOLITION PLAN

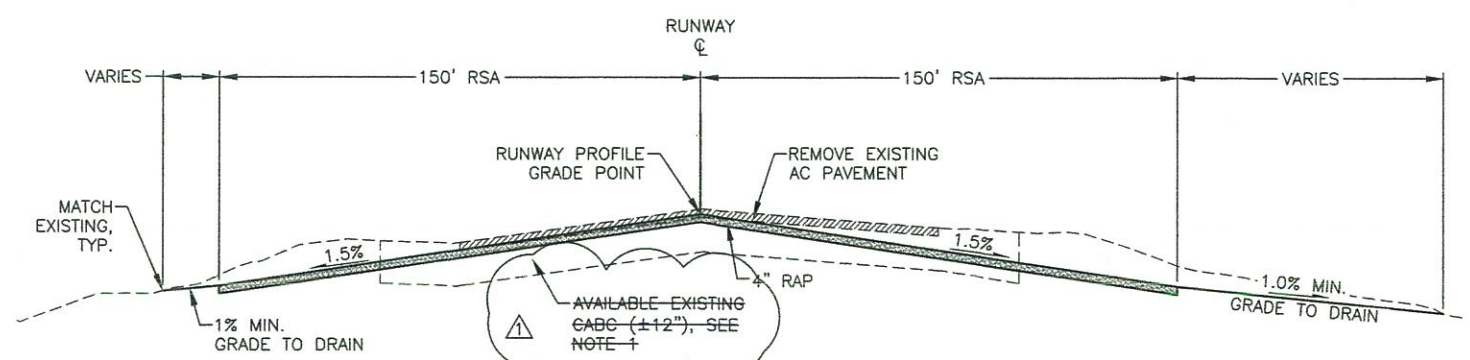
DATE: 6/23/2016
 SHEET: 69R OF 97
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Date Revised: 6/01/2017 3:38 PM
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 Designed By: JMC
 Drawn By: JMC
 Checked By: EJO

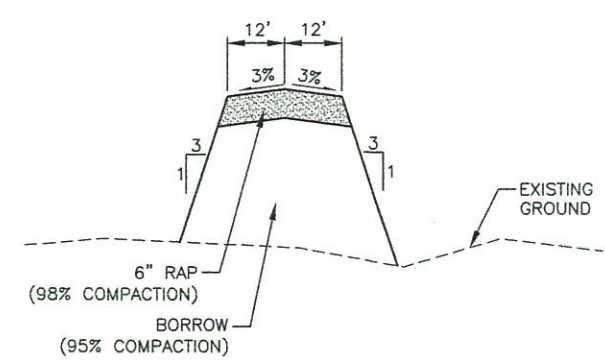


- NOTES:**
1. MATCH EXISTING GROUND ELEVATION AT EDGES OF BORROW EXCAVATION. MAINTAIN EXISTING DRAINAGE PATTERNS TO THE EXTENT PRACTICABLE.
 2. FILL ANY LOW SPOTS/PONDING AREAS TO PROMOTE DRAINAGE AWAY AND OFF OF EMBANKMENT SURFACES.

1 RUNWAY 8-26 PAVEMENT REMOVAL/GRADING
 70 N.T.S. STA 9+00 TO STA 20+00

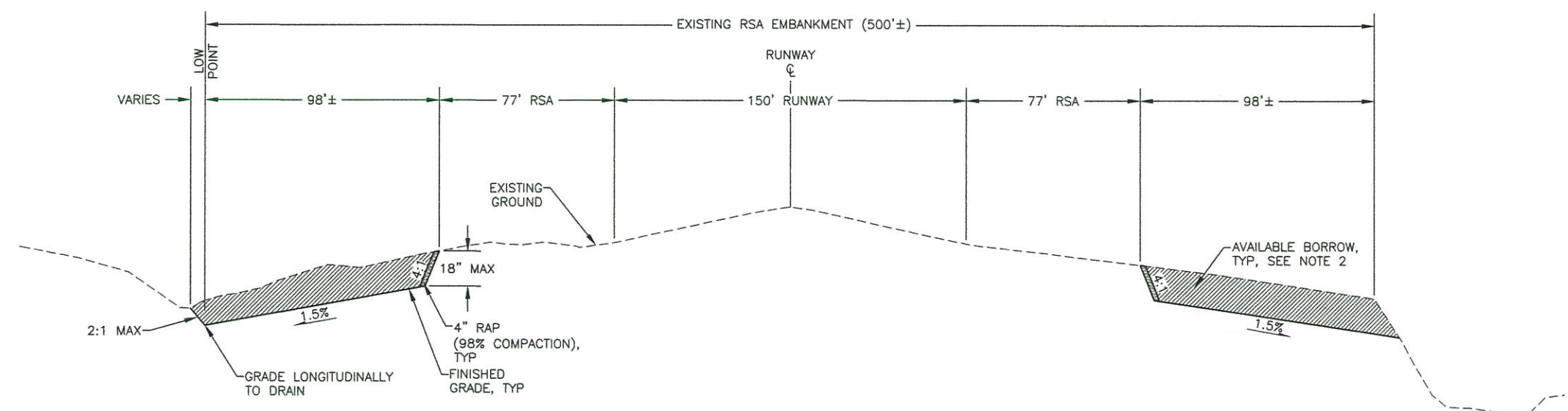


2 RUNWAY 8-26 PAVEMENT REMOVAL/GRADING
 70 N.T.S. STA 20+00.00 TO STA 21+50.00



3 SERVICE ROAD SECTION
 70 N.T.S.

- NOTES:**
1. CABC SHOWN PER AS-BUILT PLANS. CABC CAN BE USED FOR FOAMED AC AGGREGATE AND/OR SUBBASE AS APPROVED BY THE ENGINEER. BACKFILL AS REQUIRED WITH BORROW AND GRADE TO DRAIN AS SHOWN.
 2. OBTAIN UTILITY LOCATES PRIOR TO ANY EXCAVATIONS DURING THIS PROJECT.



4 RUNWAY 8-26 AVAILABLE BORROW MATERIAL
 70 N.T.S.

- RW 8-26 STA 8+86 TO STA 28+43, LT
- RW 8-26 STA 30+05 TO STA 45+30, LT
- RW 8-26 STA 50+79 TO STA 67+92, LT
- RW 8-26 STA 13+16 TO STA 35+91, RT
- RW 8-26 STA 53+61 TO STA 65+67, RT
- RW 8-26 STA 66+17 TO STA 71+60, RT

Borrow areas completely or partially back filled due to UG electrical conflict

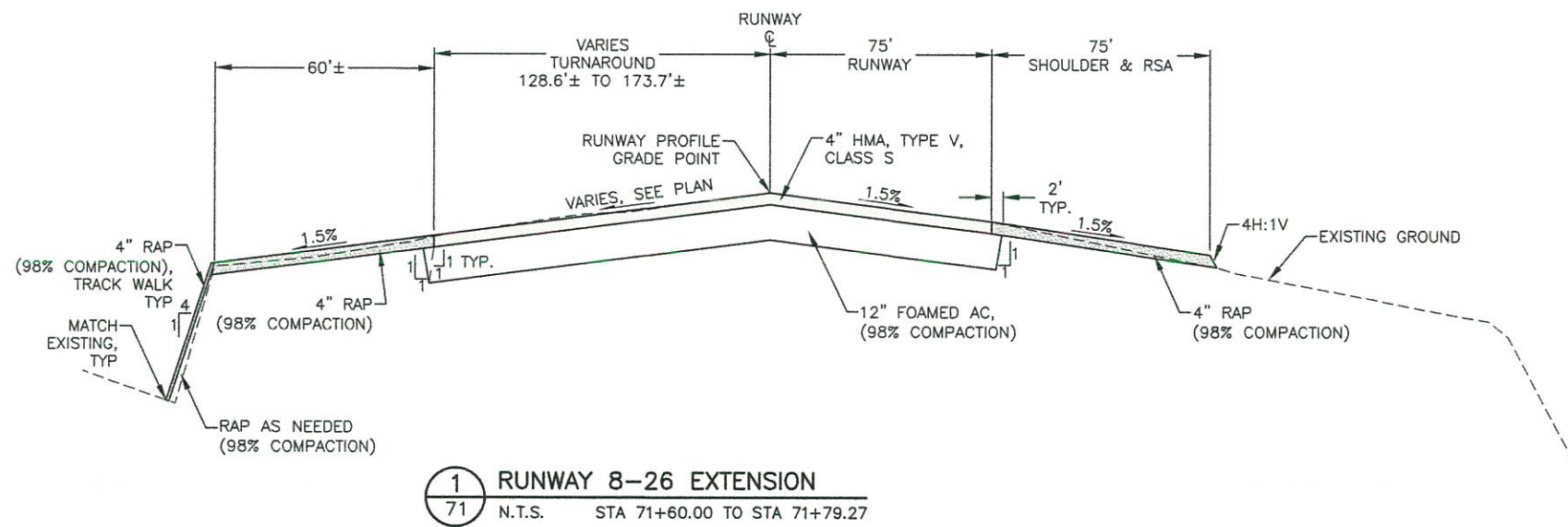
As-Built



BY	DATE	REVISION
EJG	06/01/17	REVISED TYPICAL 1/70 FOR NEW FG PROFILE

Date Revised: 5/16/2016, 10:29 AM
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 File Path and Name: \\rmt\m\2\project\316.01 DOT_C Cold Bay Crosswind Design Services\Civil\ACAD\316.01-TYPICAL SECTIONS.dwg

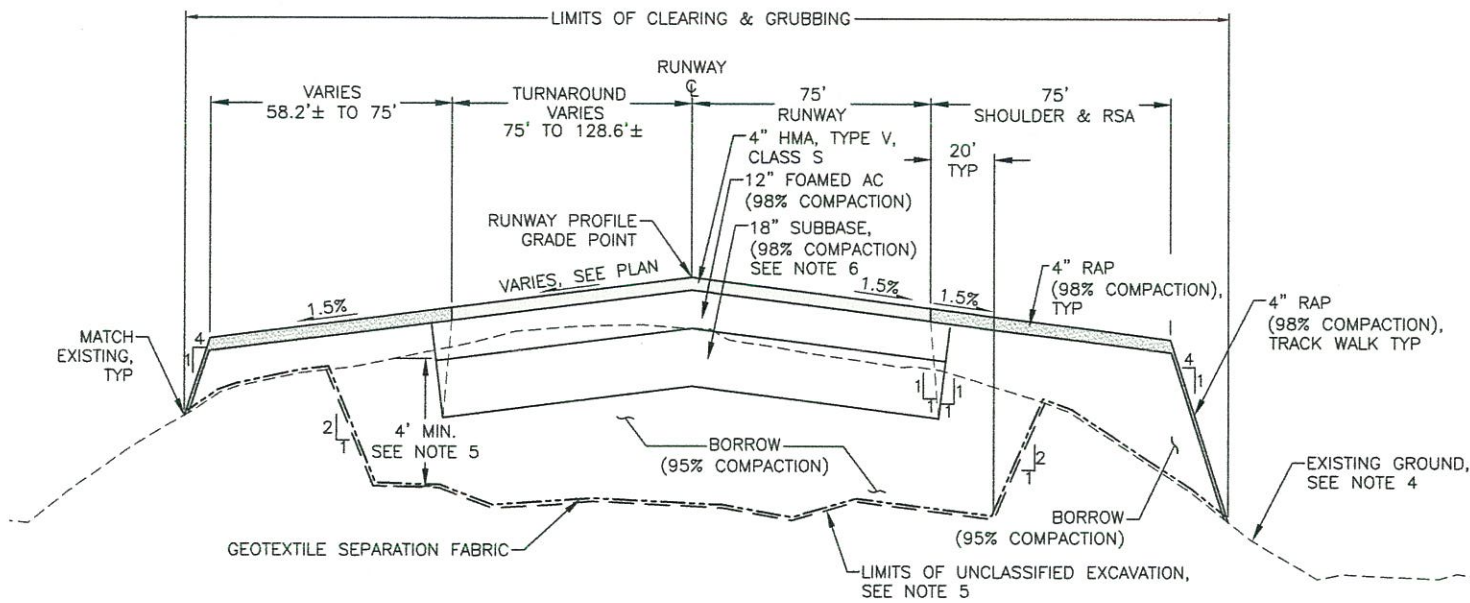
Designed By: MMH
 Drawn By: JHC
 Checked By: EDG



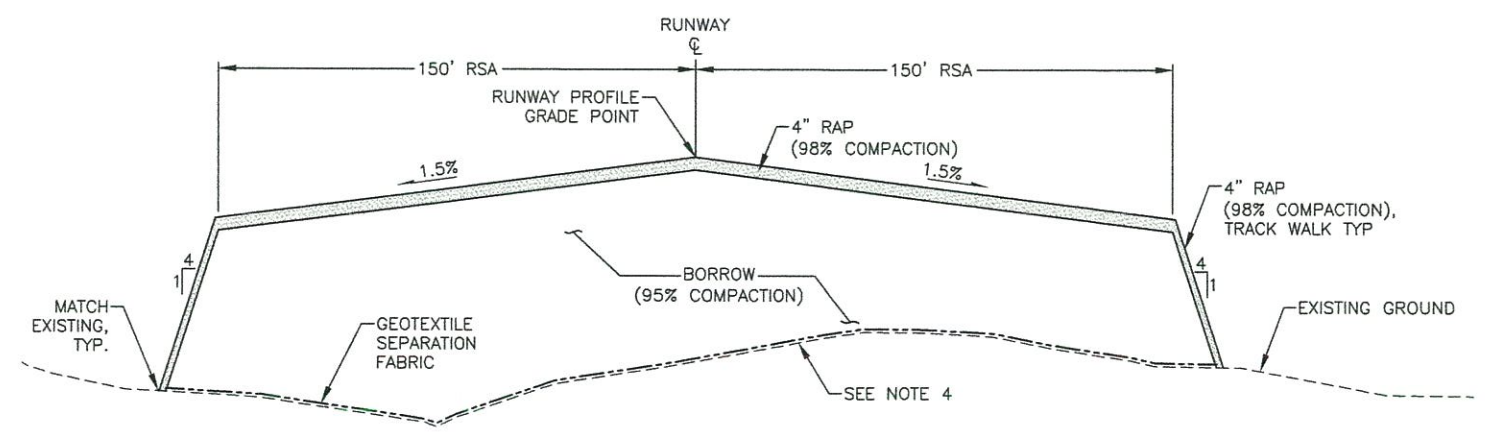
1 RUNWAY 8-26 EXTENSION
 71 N.T.S. STA 71+60.00 TO STA 71+79.27

NOTES:

- USE TACK COAT BETWEEN ALL LIFTS AND LAYERS OF HMA.
- APPLY HMA JOINT ADHESIVE TO ALL HMA JOINTS IN THE FINAL LIFT.
- DO NOT DISTURB THE TUNDRA MAT, EXCEPT WHERE CLEARING AND GRUBBING IS INDICATED. EQUIPMENT IS PROHIBITED FROM WORKING DIRECTLY ON THE TUNDRA, EXCEPT WHEN THE SURFACE IS FROZEN.
- THE IN-SITU SOILS MAY EXHIBIT POOR AND DIFFICULT FOUNDATION SOIL CONDITIONS. THE SHALLOW NATIVE SOILS ARE EXPECTED TO PUMP, SOFTEN, AND/OR LIQUEFY WHEN SUBJECTED TO HEAVY WHEEL LOADS, NUMEROUS VEHICLE PASSES, AND/OR HIGH FREQUENCY VIBRATIONS.
 - PLACE THE FIRST LIFT OF BORROW BETWEEN 2.5' AND 3' THICK OVER GEOTEXTILE SEPARATION FABRIC USING LOW-GROUND PRESSURE DOZERS.
 - COMPACT ALL SUBSEQUENT LIFTS OF BORROW FILL TO AT LEAST 95 PERCENT OF THE MAXIMUM UNIT WEIGHT.
 - THE UNDISTURBED GROUND SURFACE BELOW THE NEW RSA EMBANKMENT IS ESTIMATED TO SETTLE APPROXIMATELY 16" WITHIN THE FIRST FEW MONTHS FOLLOWING PLACEMENT OF THE FILL. PRIOR TO PROJECT COMPLETION, PLACE ADDITIONAL FILL TO MEET THE DESIGN FINISHED GRADE ELEVATIONS.
- PRIOR TO BACKFILL OPERATIONS, INSPECT ALL EXCAVATIONS TO VERIFY SUITABILITY OF SUBSURFACE CONDITIONS. LIMITS OF UNCLASSIFIED EXCAVATION ARE ESTIMATED TO BE 4' BELOW EXISTING GROUND, OR AS DIRECTED BY ENGINEER.
- SUBBASE MAY BE SCARIFIED FROM EXISTING CRUSHED AGGREGATE BASE COURSE UNDER RUNWAY 26 PAVEMENT REMOVAL AREA.



2 RUNWAY 8-26 EXTENSION
 71 N.T.S. STA 71+79.27 TO STA 72+00.00



3 RUNWAY 8-26 RSA
 71 N.T.S. STA 72+00.00 TO STA 75+00.00

As-Built



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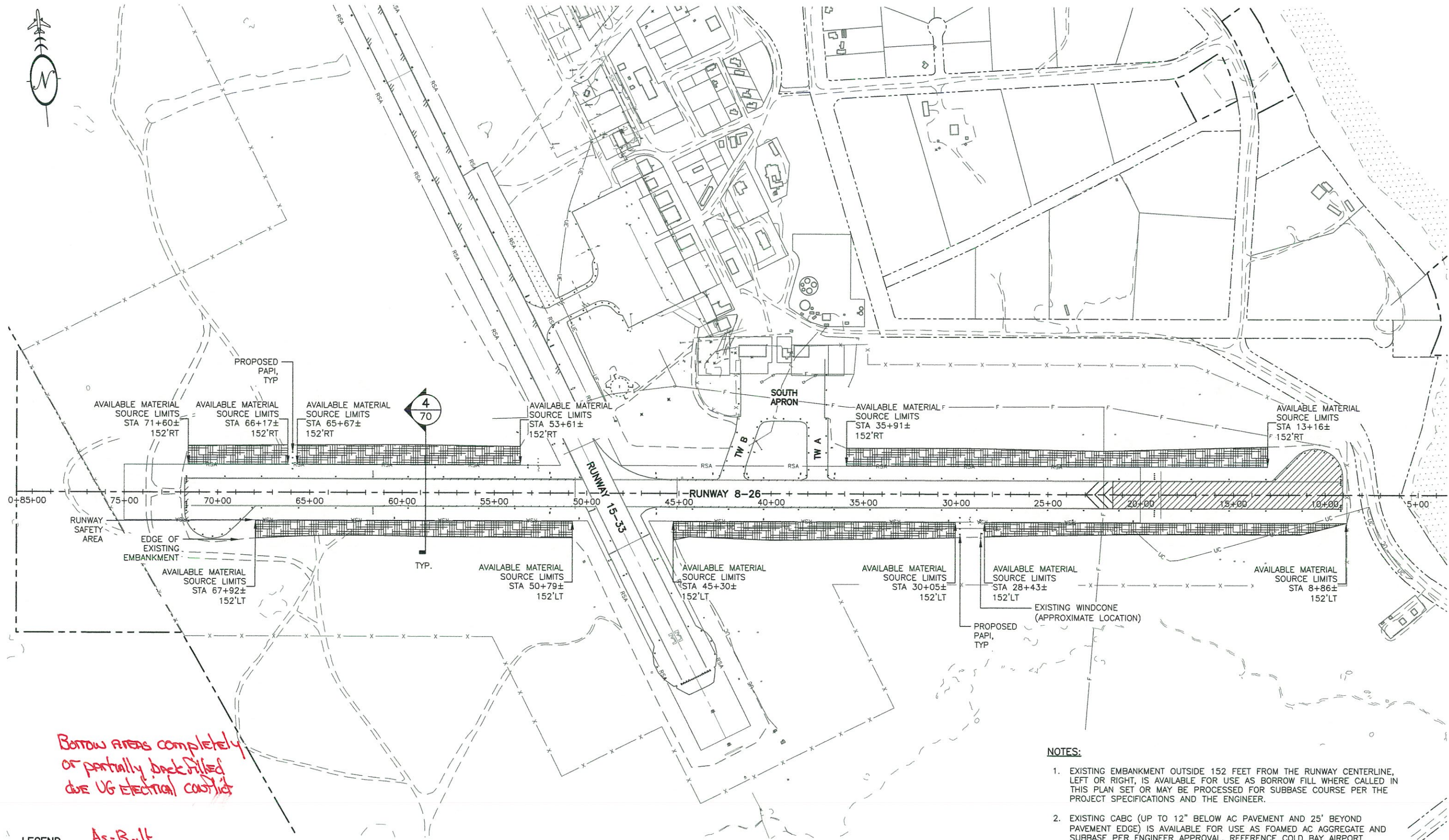
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 TYPICAL SECTIONS

DATE: 5/13/2016
 SHEET: 71 OF 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 10:31 AM
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 Designed By: MM
 Drawn By: JMC
 Checked By: CIG



Borrow areas completely or partially backfilled due to UG electrical conflict

NOTES:

- EXISTING EMBANKMENT OUTSIDE 152 FEET FROM THE RUNWAY CENTERLINE, LEFT OR RIGHT, IS AVAILABLE FOR USE AS BORROW FILL WHERE CALLED IN THIS PLAN SET OR MAY BE PROCESSED FOR SUBBASE COURSE PER THE PROJECT SPECIFICATIONS AND THE ENGINEER.
- EXISTING CABG (UP TO 12" BELOW AC PAVEMENT AND 25' BEYOND PAVEMENT EDGE) IS AVAILABLE FOR USE AS FOAMED AC AGGREGATE AND SUBBASE PER ENGINEER APPROVAL. REFERENCE COLD BAY AIRPORT CROSSWIND RUNWAY RECONSTRUCTION AS-BUILT PLANS, DATED 1/21/09, AND PROVIDED AS ADDITIONAL INFORMATION.

LEGEND

As-Built

AVAILABLE BORROW, SEE NOTE 1
 PAVEMENT REMOVAL AND EXISTING CABG SOURCE, SEE NOTE 2 AND SECTIONS 1/70 & 2/70



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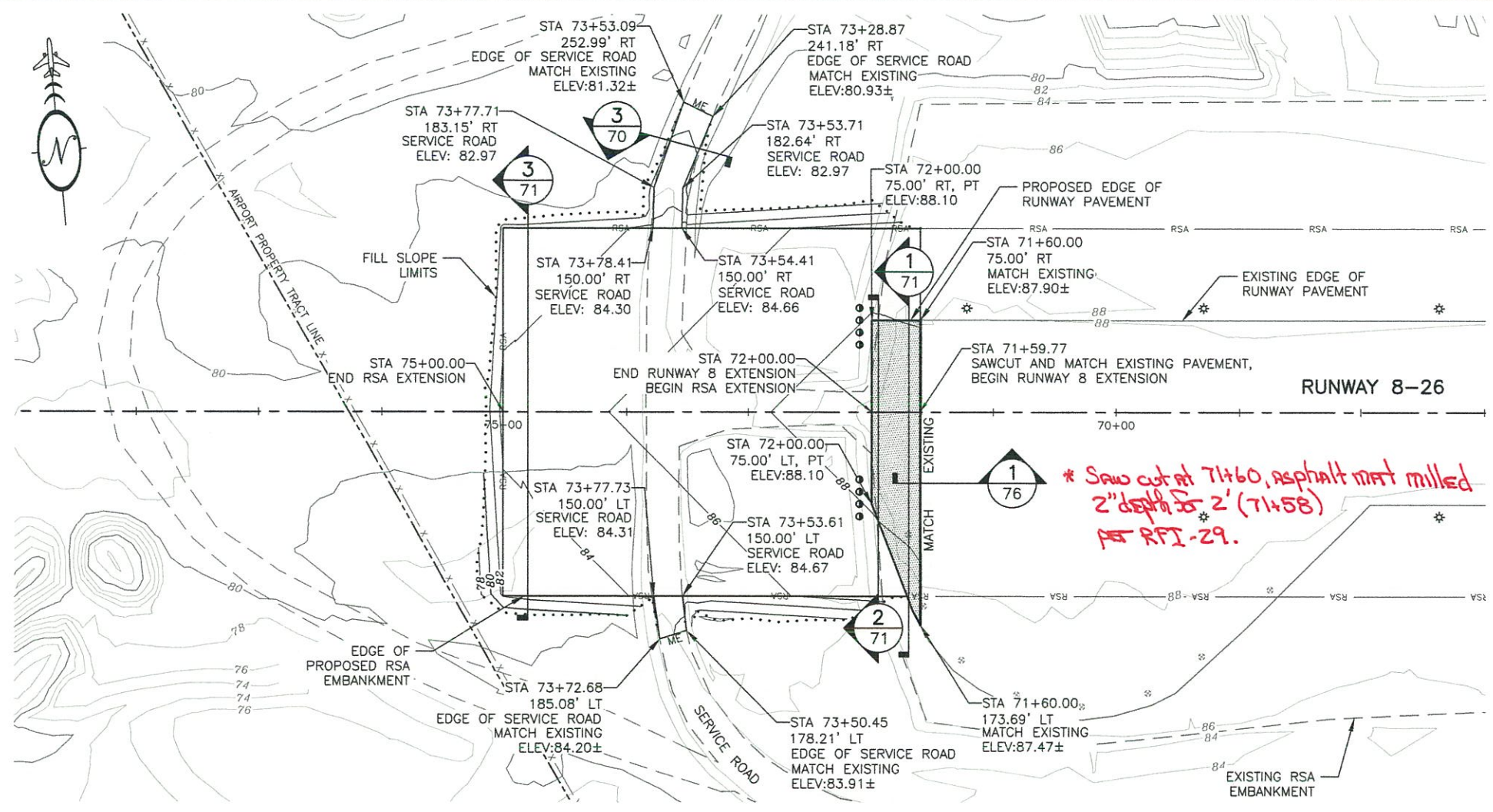
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

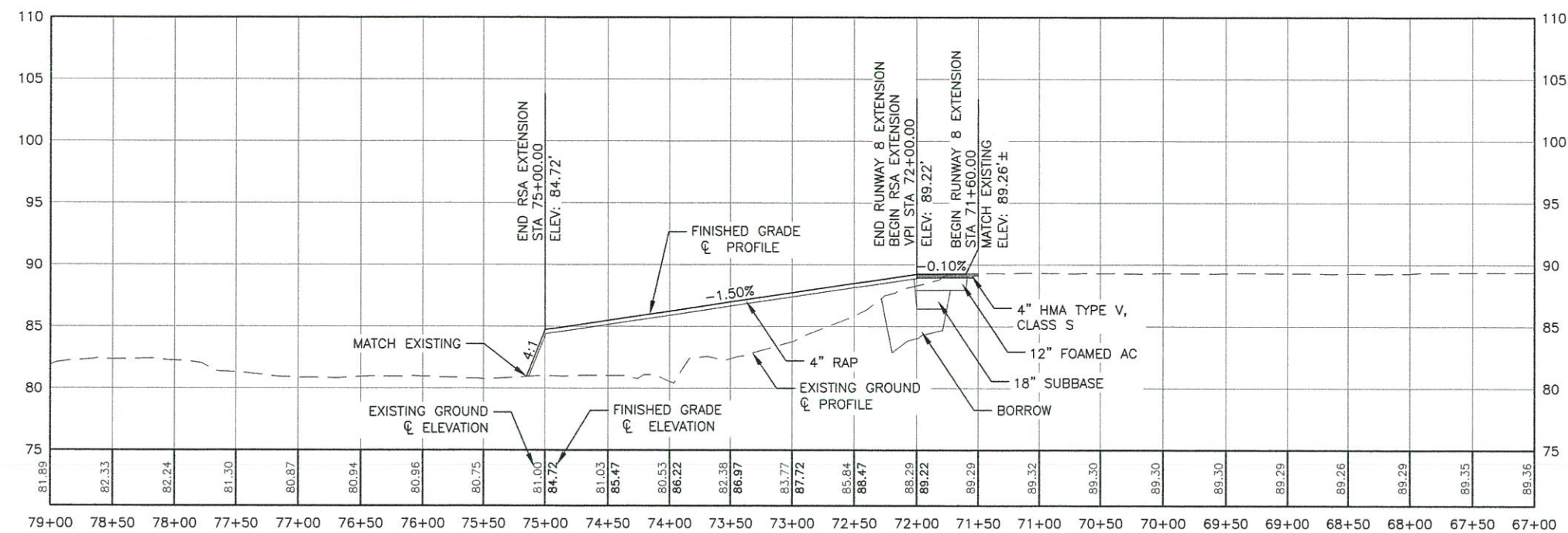
COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 AVAILABLE MATERIAL SOURCE

DATE: 5/13/2016
 SHEET: 72 OF 97
 AS-BUILT SHEET:

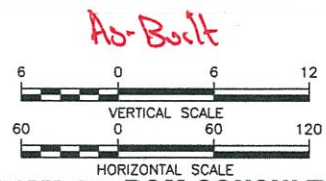
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 Checked By: EJC
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* Saw cut at 71+60, asphalt mat milled
 2" depth for 2' (71+58)
 per RFI-29.



- NOTES:**
- SEE ELECTRICAL SHEETS FOR LIGHTING LAYOUT.
 - GROOVE NEW RUNWAY PAVEMENT BETWEEN STA 71+50.00 TO STA 72+00.00. SEE DETAIL 2/76.



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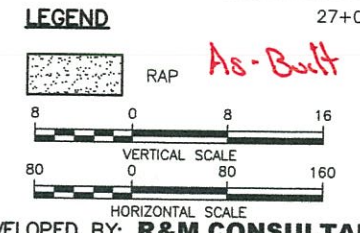
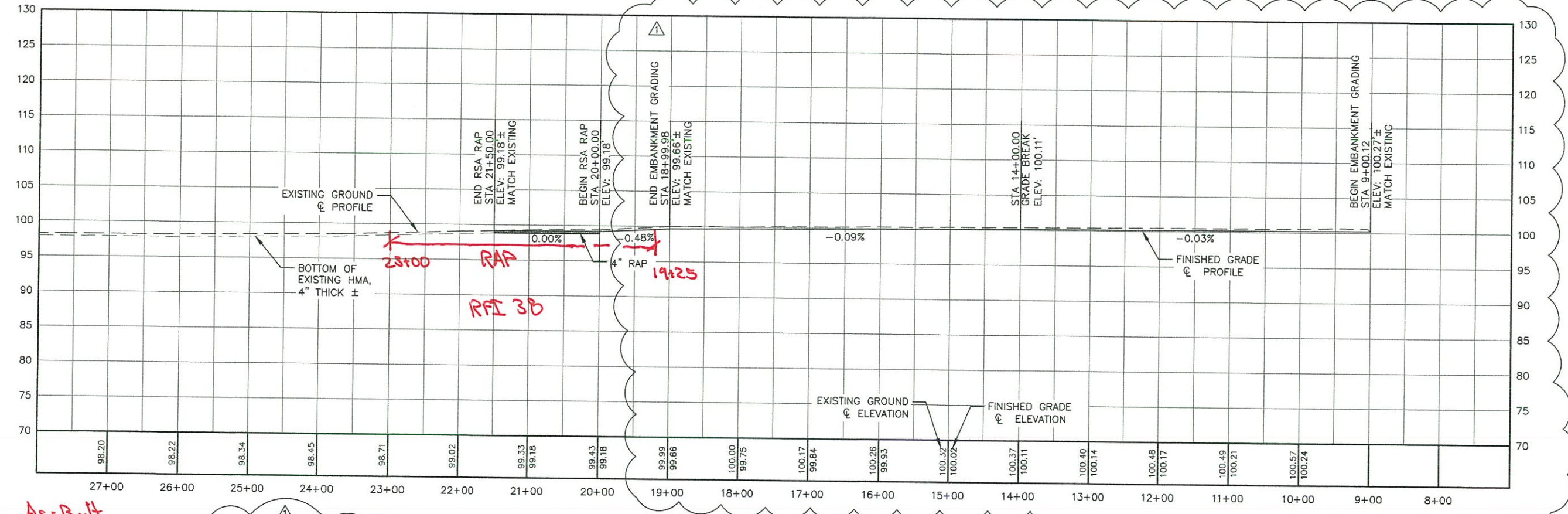
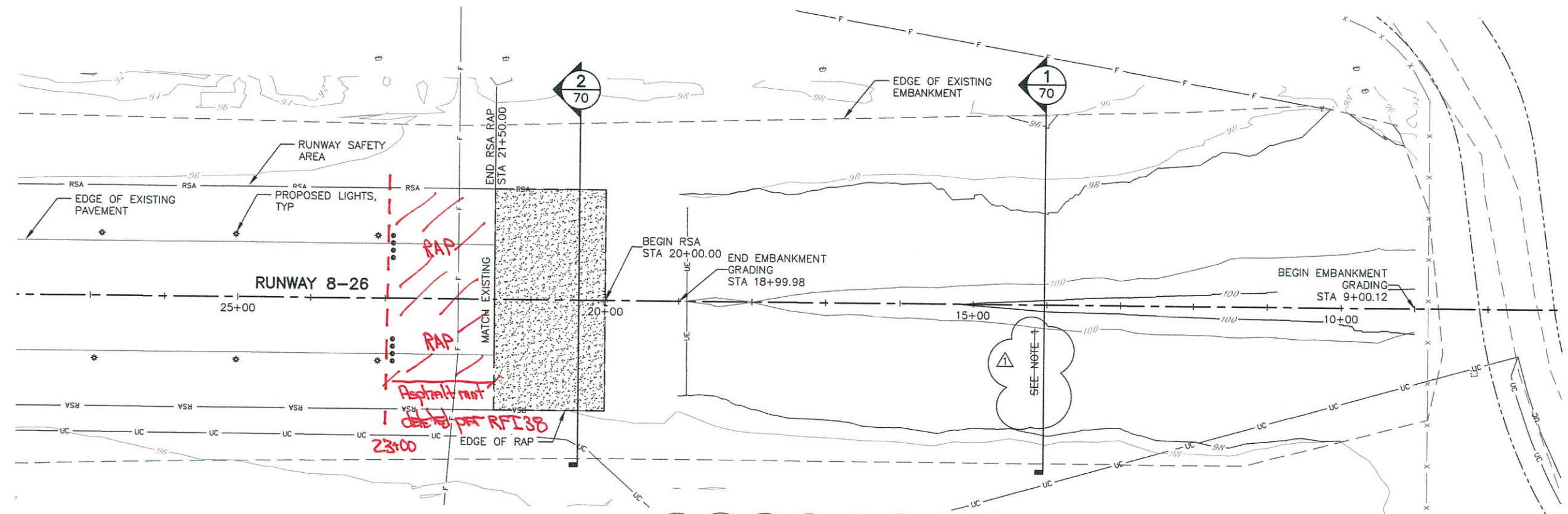
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 PLAN & PROFILE

DATE: 5/13/2016
 SHEET: 73 OF 97
 AS-BUILT SHEET:

Date Received: 6/01/2017, 3:39 PM
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 File Path and Name: \\mumma\project\2316.01 DOT_C Cold Bay Crosswind Design Services\Civil\ACAD\2316.01-RW 26 RSA.dwg
 Drawn By: JMC
 Checked By: EJC



NOTE:

1. AFTER PAVEMENT AND CURB REMOVAL, BACKFILL WITH BORROW (95% COMPACTION) AND REGRADE PER PROFILE AND TYPICAL SECTION REQUIREMENTS. GRADE GROWN TO DRAIN.



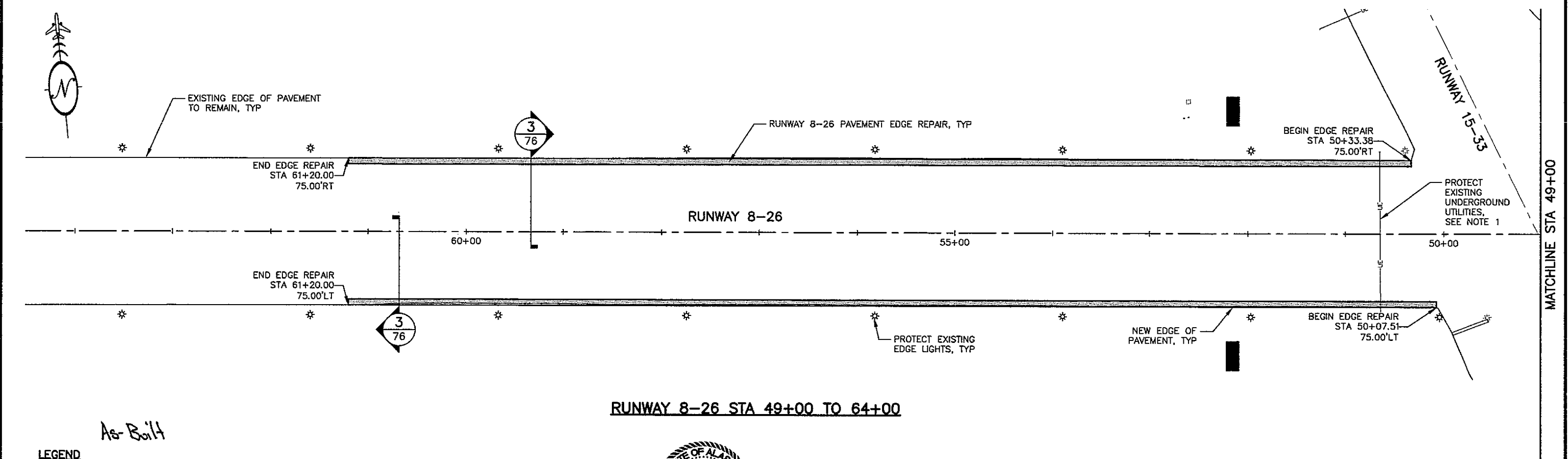
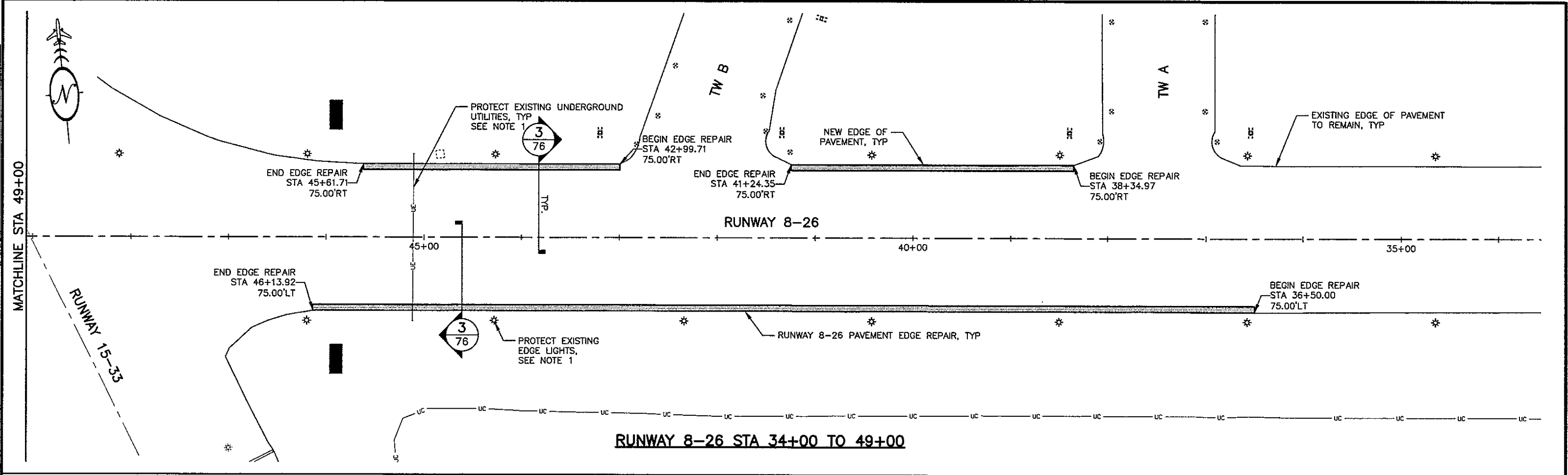
BY	DATE	REVISION
EJC	06/01/17	REVISED PROFILE TO PERMIT 4" BORROW REMOVAL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 PLAN & PROFILE

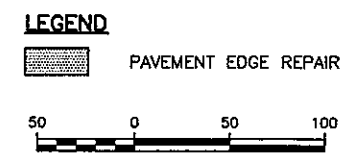
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 SHEET: 74R of 97
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 Designed By: MIM
 Drawn By: JMC
 Checked By: EDC



RUNWAY 8-26 STA 49+00 TO 64+00

As-Built



- NOTES:**
1. PROTECT ALL EXISTING UTILITIES, EDGE LIGHTS, SIGNS, NAVAIDS, ETC NOT SCHEDULED FOR REMOVAL DURING THIS PROJECT. SEE ELECTRICAL PLANS. CALL FOR UTILITY LOCATES BEFORE YOU DIG.
 2. GROOVE ALL NEW RUNWAY PAYMENT PER DETAIL 2/76.



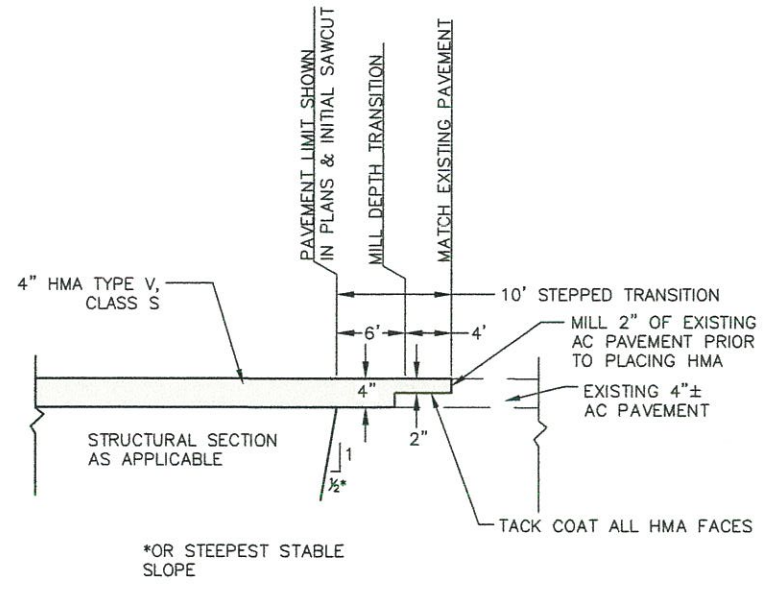
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

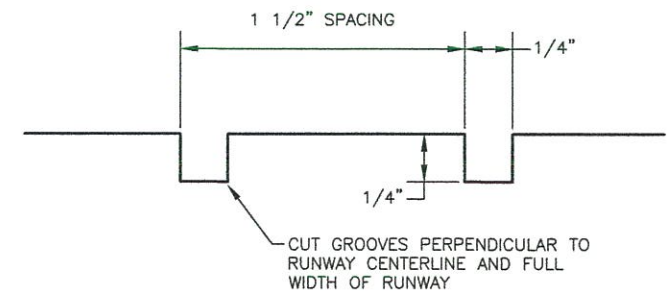
COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
 PAVEMENT EDGE REPAIR

DATE: 5/13/2016
 SHEET: 75 OF 97
 AS-BUILT SHEET:

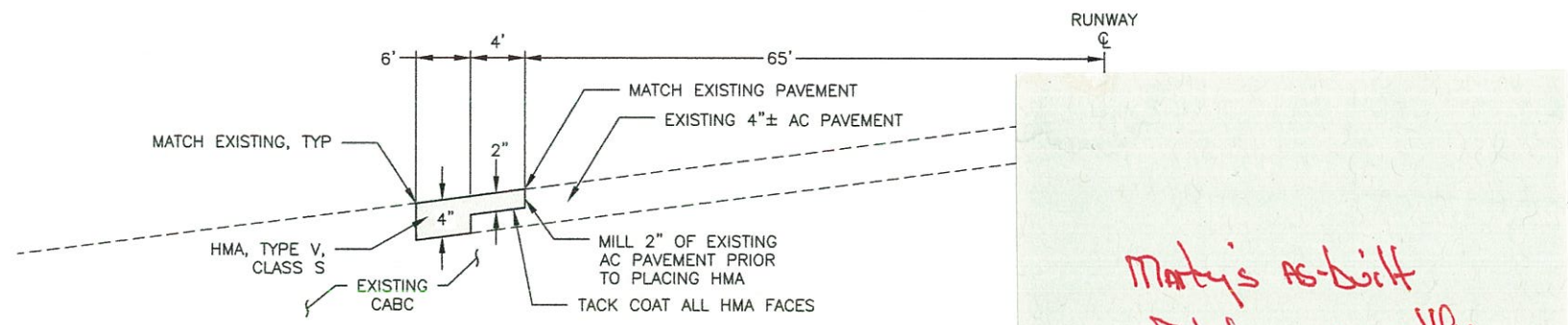
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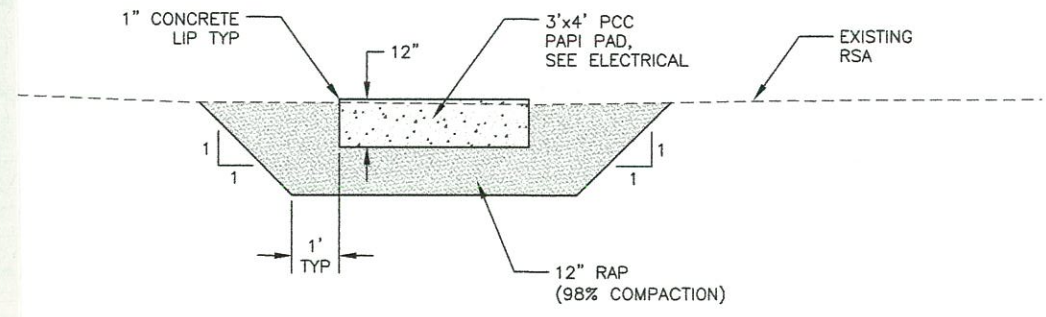
1 CUT AND MATCH DETAIL
76 N.T.S.



NOTE: GROOVE ALL NEW RUNWAY PAVEMENT
2 PAVEMENT GROOVING
76 N.T.S.



NOTE: PRIOR TO PAVING, GRADE AND COMPACT EXISTING CABC (98% COMPACTION).
3 RUNWAY 8-26 PAVEMENT EDGE REPAIR
76 N.T.S. RW 8-26 STA 36+50 TO STA 61+20, LT (EXCLUDING RW 15-33)
RW 8-26 STA 38+34.91 TO STA 61+20, RT (EXCLUDING TW B & RW 15-33)



4 PAPI PAD TYPICAL SECTION
76 N.T.S.

NOTE: PAPI STATION, OFFSET AND ELEVATION, REFERENCE CENTER OF FIRST CONCRETE PAD, SEE ELECTRICAL SHEETS FOR OFFSET AND LIGHT BEAM ELEVATION DETAILS.

PAPI LOCATIONS	
STATION	OFFSET
29+80	126.5'LT
65+92	126.5'RT

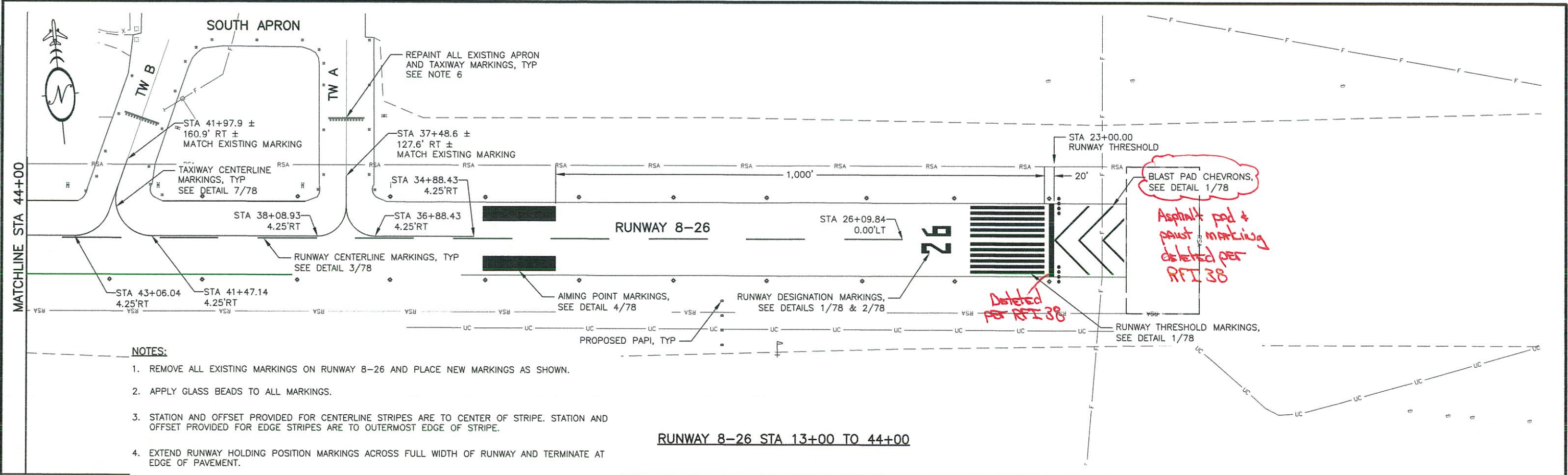
29+68
65+90

As-Built



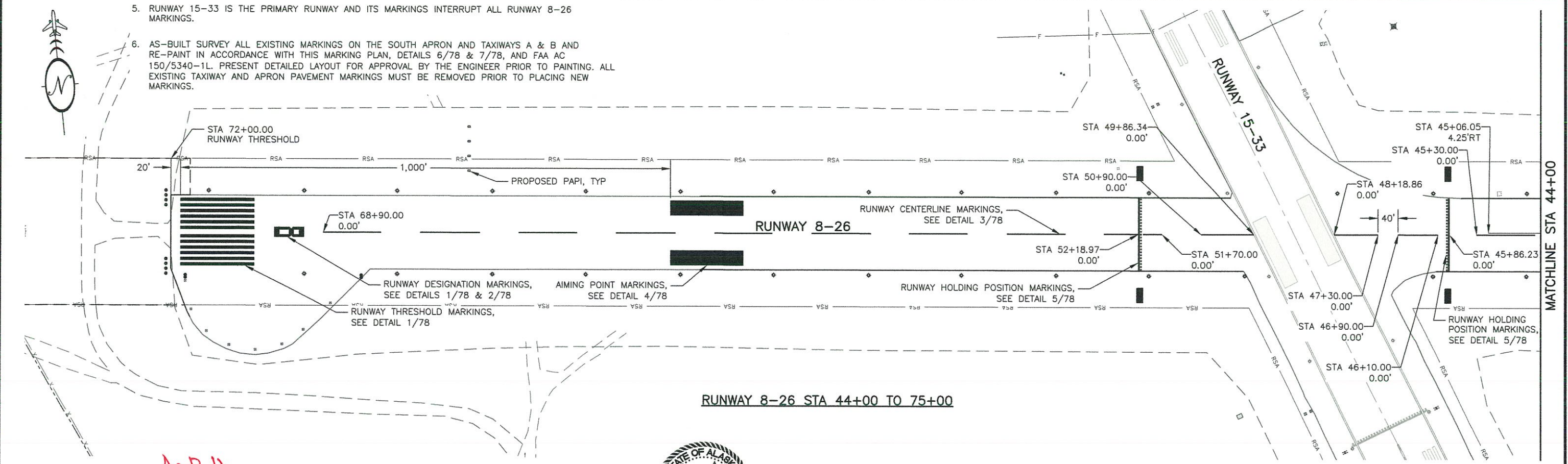
BY	DATE	REVISION

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 Designed By: MIM
 Drawn By: JMC
 Checked By: ECG



- NOTES:**
1. REMOVE ALL EXISTING MARKINGS ON RUNWAY 8-26 AND PLACE NEW MARKINGS AS SHOWN.
 2. APPLY GLASS BEADS TO ALL MARKINGS.
 3. STATION AND OFFSET PROVIDED FOR CENTERLINE STRIPES ARE TO CENTER OF STRIPE. STATION AND OFFSET PROVIDED FOR EDGE STRIPES ARE TO OUTERMOST EDGE OF STRIPE.
 4. EXTEND RUNWAY HOLDING POSITION MARKINGS ACROSS FULL WIDTH OF RUNWAY AND TERMINATE AT EDGE OF PAVEMENT.
 5. RUNWAY 15-33 IS THE PRIMARY RUNWAY AND ITS MARKINGS INTERRUPT ALL RUNWAY 8-26 MARKINGS.
 6. AS-BUILT SURVEY ALL EXISTING MARKINGS ON THE SOUTH APRON AND TAXIWAYS A & B AND RE-PAINT IN ACCORDANCE WITH THIS MARKING PLAN, DETAILS 6/78 & 7/78, AND FAA AC 150/5340-1L. PRESENT DETAILED LAYOUT FOR APPROVAL BY THE ENGINEER PRIOR TO PAINTING. ALL EXISTING TAXIWAY AND APRON PAVEMENT MARKINGS MUST BE REMOVED PRIOR TO PLACING NEW MARKINGS.

RUNWAY 8-26 STA 13+00 TO 44+00



RUNWAY 8-26 STA 44+00 TO 75+00

As-Built



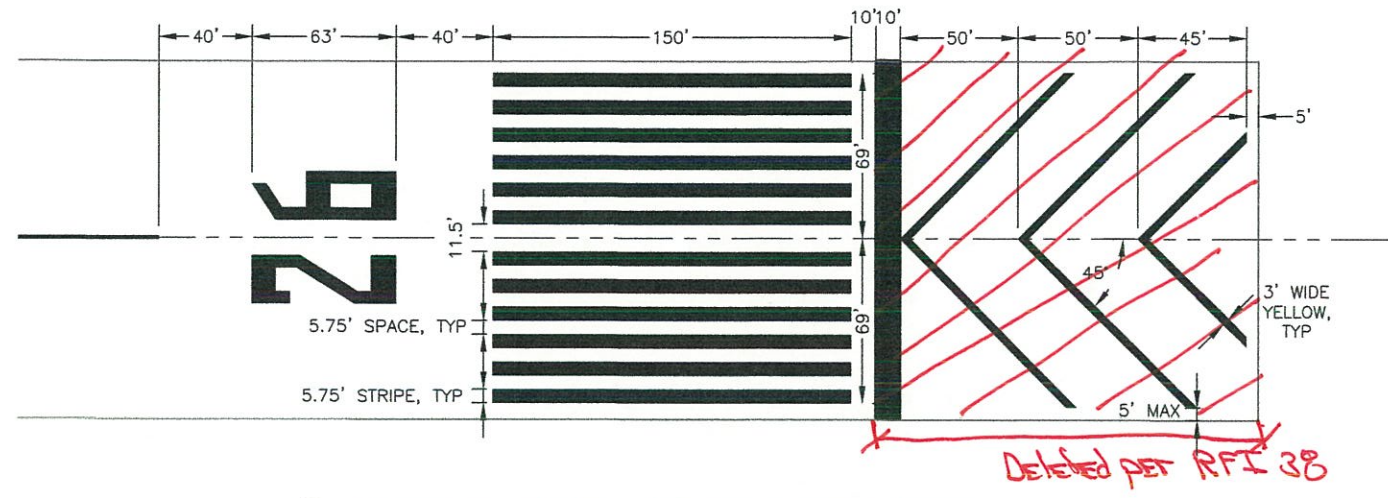
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

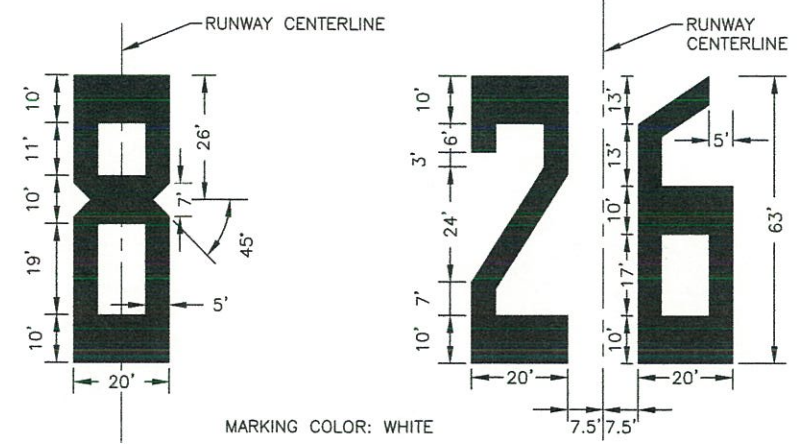
COLD BAY AIRPORT
COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-011-2016
MARKING PLAN

DATE: 5/13/2016
 SHEET: 77 OF 97
 AS-BUILT SHEET:

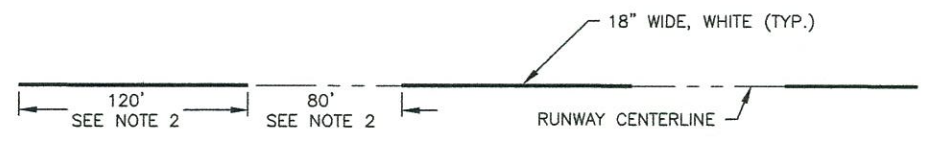
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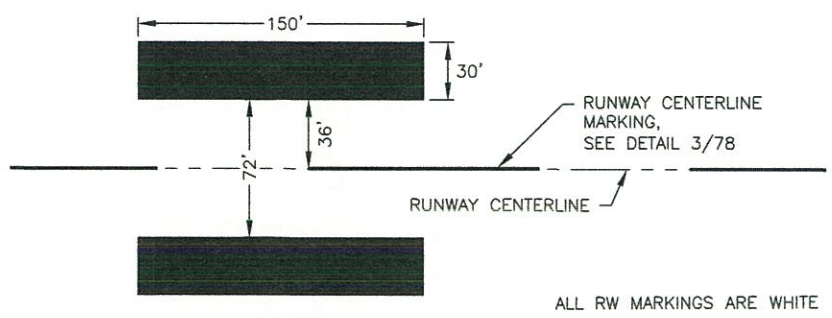
1 RUNWAY DESIGNATION AND THRESHOLD MARKINGS
78 N.T.S



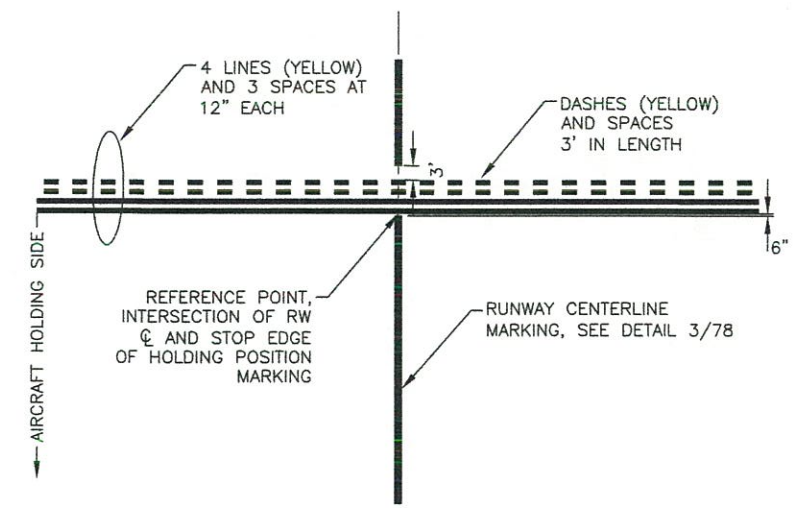
2 RUNWAY DESIGNATION MARKINGS
78 N.T.S



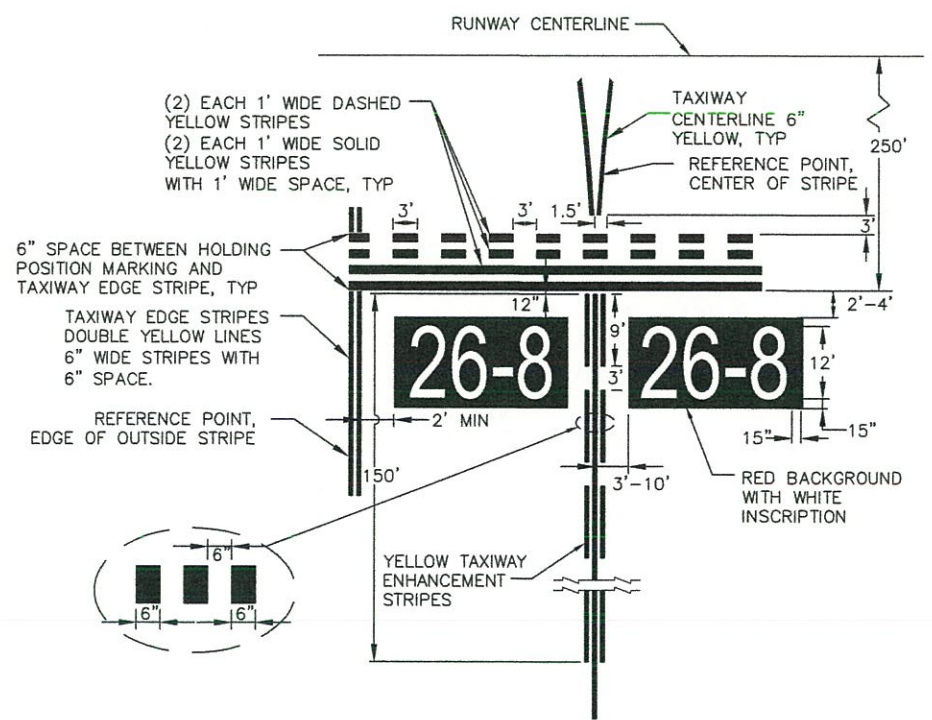
3 RUNWAY CENTERLINE MARKINGS
78 N.T.S



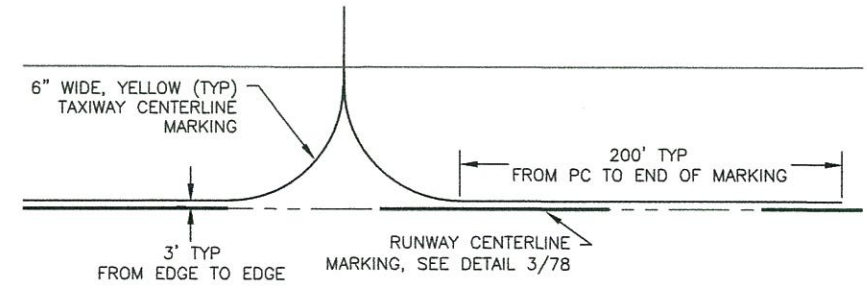
4 AIMING POINT MARKINGS
78 N.T.S



5 RUNWAY HOLDING POSITION MARKINGS
78 N.T.S



6 HOLDING POSITION AND ENHANCED TAXIWAY CENTERLINE MARKINGS
78 N.T.S



7 TAXIWAY CENTERLINE MARKING
78 N.T.S

NOTES:

- ENSURE ALL MARKINGS CONFORM TO FAA AC 150/5340-1L AND 150/5300-13A, OR CURRENT EDITIONS.
- SEE MARKING PLAN FOR THE LAYOUT OF THE RUNWAY CENTERLINE STRIPES AND GAPS NEAR THE RUNWAY MIDPOINT. REDUCED STRIPES MUST BE AT LEAST 80 FEET BUT NO MORE THAN 120 FEET IN LENGTH, AND REDUCED GAPS MUST BE AT LEAST 40 FEET BUT NO MORE THAN 80 FEET IN LENGTH.
- ALL CENTERLINE MARKINGS ARE MEASURE TO THE CENTER OF THE STRIPE, EDGE MARKINGS ARE TO THE OUTSIDE EDGE OF OUTER MOST STRIPE.

As-Built



BY	DATE	REVISION

Date Revised: 5/16/2016, 3:30 PM
 Layout Name: DI
 File Path and Name: Z:\15030000\Cold Bay Airport Crosswind Runway Improvement\Drawing\DI-05.dwg



DEMOLITION GENERAL NOTES:

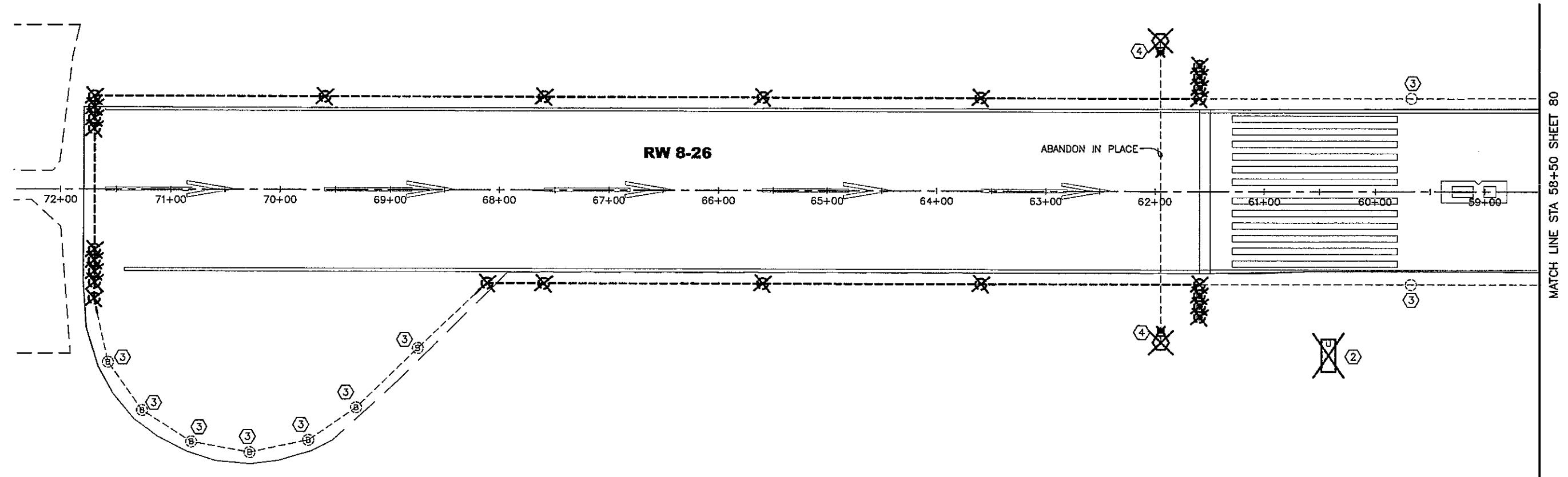
1. LIGHT BASES, HANDHOLES, SIGN BASES, REIL FOUNDATIONS, PAPI FOUNDATIONS, VASI FOUNDATIONS, WIRE AND RACEWAYS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL STATUTES.
2. DIRECT BURIED WIRE AND EMPTY CONDUIT SHALL BE ABANDONED IN PLACE. ABANDONED WIRING AND CONDUIT RUNS EXPOSED DURING EXCAVATION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THIS WORK SHALL BE SUBSIDIARY TO EXCAVATION AND NO SEPARATE PAYMENT WILL BE MADE.
3. LIGHT FIXTURES, SIGNS, AND TRANSFORMERS TO BE OFFERED TO STATE FIELD MAINTENANCE PERSONNEL. EQUIPMENT DEEMED OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
4. REMOVE EXISTING RUNWAY 8-26 REGULATOR AND 5 KV WIRING TO EXISTING PLUG CUTOFF, EXISTING CONDUIT TO BE REUSED. LOCATED ON MEZZANINE IN ARFF BUILDING, SEE SHEET 89. REGULATOR TO BE OFFERED TO STATE FIELD MAINTENANCE PERSONNEL. IF REGULATOR IS DEEMED OF NO SALVAGE VALUE BY THE STATE, IT WILL BECOME THE PROPERTY OF THE CONTRACTOR.
5. REMOVAL OF EXISTING CONDUCTORS AND GROUND WIRE SHALL BE SUBSIDIARY TO ITEM L-108a AND NO SEPARATE PAYMENT WILL BE MADE.
6. THE CONTRACTOR SHALL RESTORE GRADE AND FINISH SURFACES DISTURBED BY THE REMOVAL OF STRUCTURES. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.

DEMOLITION SHEET NOTES:

- ① REMOVE RUNWAY EDGE LIGHTS, THRESHOLD LIGHTS, TURN AROUND TAXIWAY LIGHTS, TRANSFORMERS, AND UNUSED WIRING.
- ② REMOVE SIGN, SIGN BASE, ADJACENT HANDHOLE, TRANSFORMER, AND UNUSED WIRING. CUT UNUSED CONDUIT 12" MINIMUM BELOW GRADE, SEAL WITH DUCT SEAL, AND ABANDON IN PLACE.
- ③ REMOVE LIGHT FIXTURE AND TRANSFORMER ONLY, EXISTING LIGHT BASE, CONDUIT, AND 5KV WIRING TO REMAIN. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEMS L-100c(2) AND L-100e(2) AND NO SEPARATE PAYMENT WILL BE MADE.
- ④ REMOVE CONCRETE REIL FOUNDATION AND J-BOX. CUT CONDUIT 12" MINIMUM BELOW GRADE, SEAL WITH DUCT SEAL, AND ABANDON IN PLACE. PAID UNDER ITEM P-165a.
- ⑤ REMOVE CONCRETE PAPI FOUNDATIONS AND J-BOX. CUT CONDUIT 12" MINIMUM BELOW GRADE, SEAL WITH DUCT SEAL, AND ABANDON IN PLACE. PAID UNDER ITEM P-165a.
- ⑥ REMOVE EXISTING VASI EQUIPMENT AND OFFER TO FAA. REMOVE CONCRETE FOUNDATIONS, J-BOXES, AND WIRING BACK TO CB. REMOVE EXISTING RADIO CONTROLLER, RELAY AND UNUSED ABOVE GRADE CONDUIT. CUT UNUSED CONDUIT 12" MINIMUM BELOW GRADE AND ABANDON IN PLACE. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEM L-132c AND NO SEPARATE PAYMENT WILL BE MADE.
- ⑦ EXISTING TO BE MAINTAINED AND WORKED AROUND.
- ⑧ RESTORE RW 8-26 CONDUIT RUN AFTER REMOVAL OF EDGE LIGHT BASE. EXISTING CONDUIT IS HDPE, MAKE CONNECTIONS USING WATERTIGHT BUTT WELDS. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEM L-100h AND NO SEPARATE PAYMENT WILL BE MADE.
- ⑨ MAINTAIN EXISTING CIRCUITRY AS NEEDED FOR TEMPORARY LIGHTING. VERIFY SEQUENCE WITH CIVIL. COORDINATE WITH RUNWAY 8-26 WORK. WHEN TEMPORARY LIGHTING IS NO LONGER NEEDED, REMOVE UNUSED CONDUCTORS AND ABANDON UNUSED CONDUIT IN PLACE. SEE SHEETS 53, 80, 85 FOR ADDITIONAL REQUIREMENTS. THIS WORK SHALL BE SUBSIDIARY TO PAY ITEM L-100h AND NO SEPARATE PAYMENT WILL BE MADE.

DEMOLITION LEGEND:

- RW — RUNWAY
- TW — TAXIWAY
- R-1 — RW 15-33 CIRCUIT
- R-2 — RW 8-26 CIRCUIT
- T-1 — TW A, TW B, TW C, TW D CIRCUIT
- VASI — VISUAL APPROACH SLOPE INDICATOR
- XFMR — TRANSFORMER
- F — EXISTING UNDERGROUND FUEL LINE (TO BE MAINTAINED)
- UC — EXISTING UNDERGROUND COMMUNICATION (TO BE MAINTAINED)
- UG ELEC — EXISTING UNDERGROUND ELECTRIC (TO BE MAINTAINED)
- — — EXISTING UNDERGROUND CONDUIT
- — — EXISTING DUCT BANK (TO REMAIN)
- ⊗ EXISTING RUNWAY OR TAXIWAY LIGHT AND BASE (TO BE REMOVED) ①
- ⊙ EXISTING TAXIWAY LIGHT (TO REMAIN)
- EXISTING RUNWAY EDGE LIGHT (TO REMAIN)
- ⊕ EXISTING HANDHOLE (TO REMAIN)
- ⊞ EXISTING ELECTRIC MANHOLE (TO REMAIN)
- ⊠ EXISTING AIRPORT SIGN (TO REMAIN)
- ⊡ EXISTING AIRPORT SIGN AND BASE (TO BE REMOVED) SHALL BE PAID AT THE UNIT PRICE UNDER L-100y EXISTING VASI
- ⊞ EXISTING METER BASE (TO REMAIN)
- ⊞ EXISTING TRANSFORMER (TO REMAIN)
- ⊗ EXISTING QUAZITE J-BOX (TO BE REMOVED)
- ⊗ EXISTING PAPI OR REIL FOUNDATION (TO BE REMOVED)
- ⊗ EXISTING WIND CONE (TO BE REMOVED)



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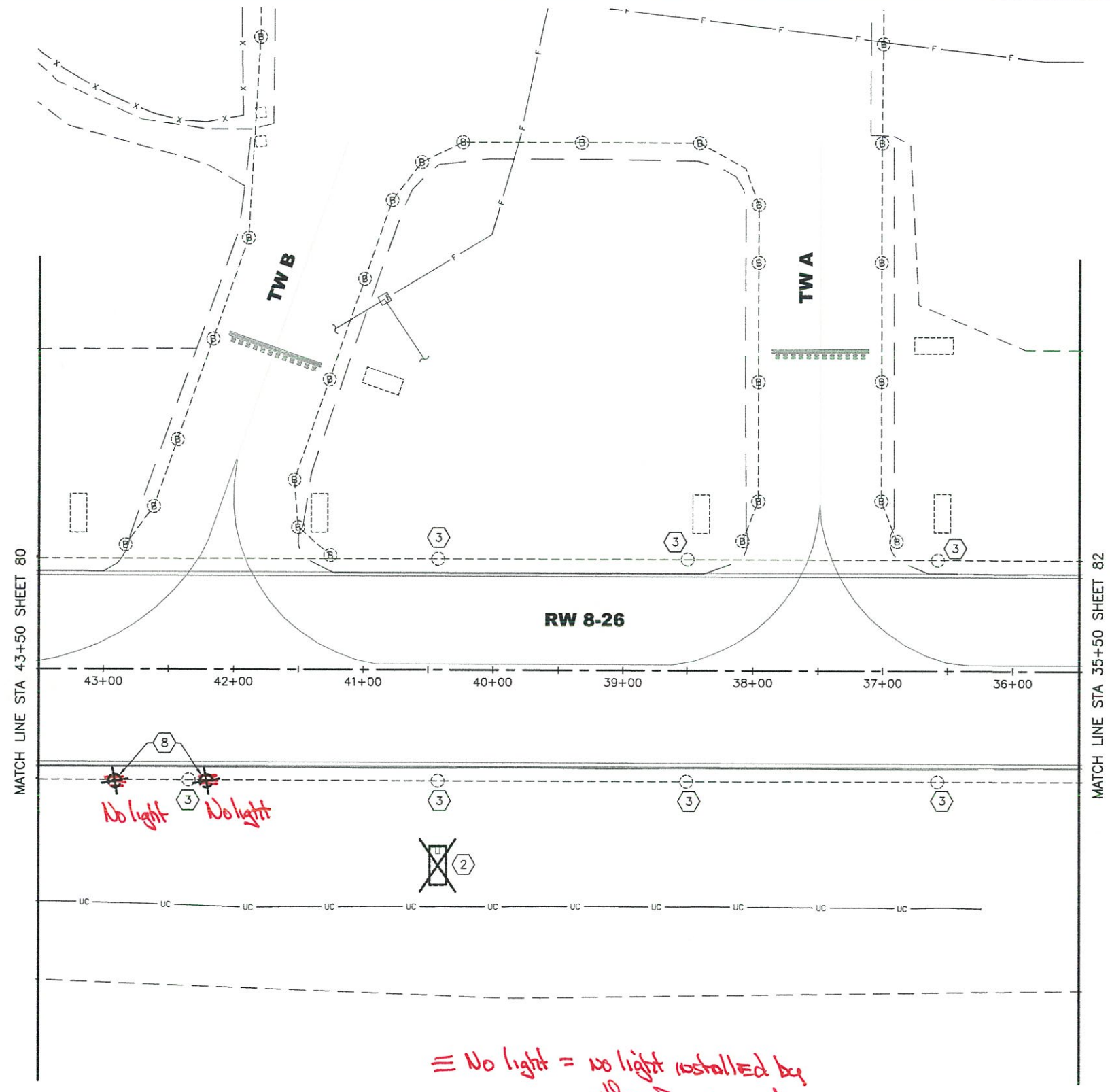
BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
 SHEET: 79 of 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:50 PM
 Layout Name: 03
 File Path and Name: Z:\150300CBC - Cold Bay Airport Crosswind Runway Improvements\E-Working Drawings\01-06.dwg
 Designed By: DMH
 Drawn By: CMV
 Checked By: MLL



No light No light

≡ No light = no light installed by others for removal

As-Built



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BY	DATE	REVISION

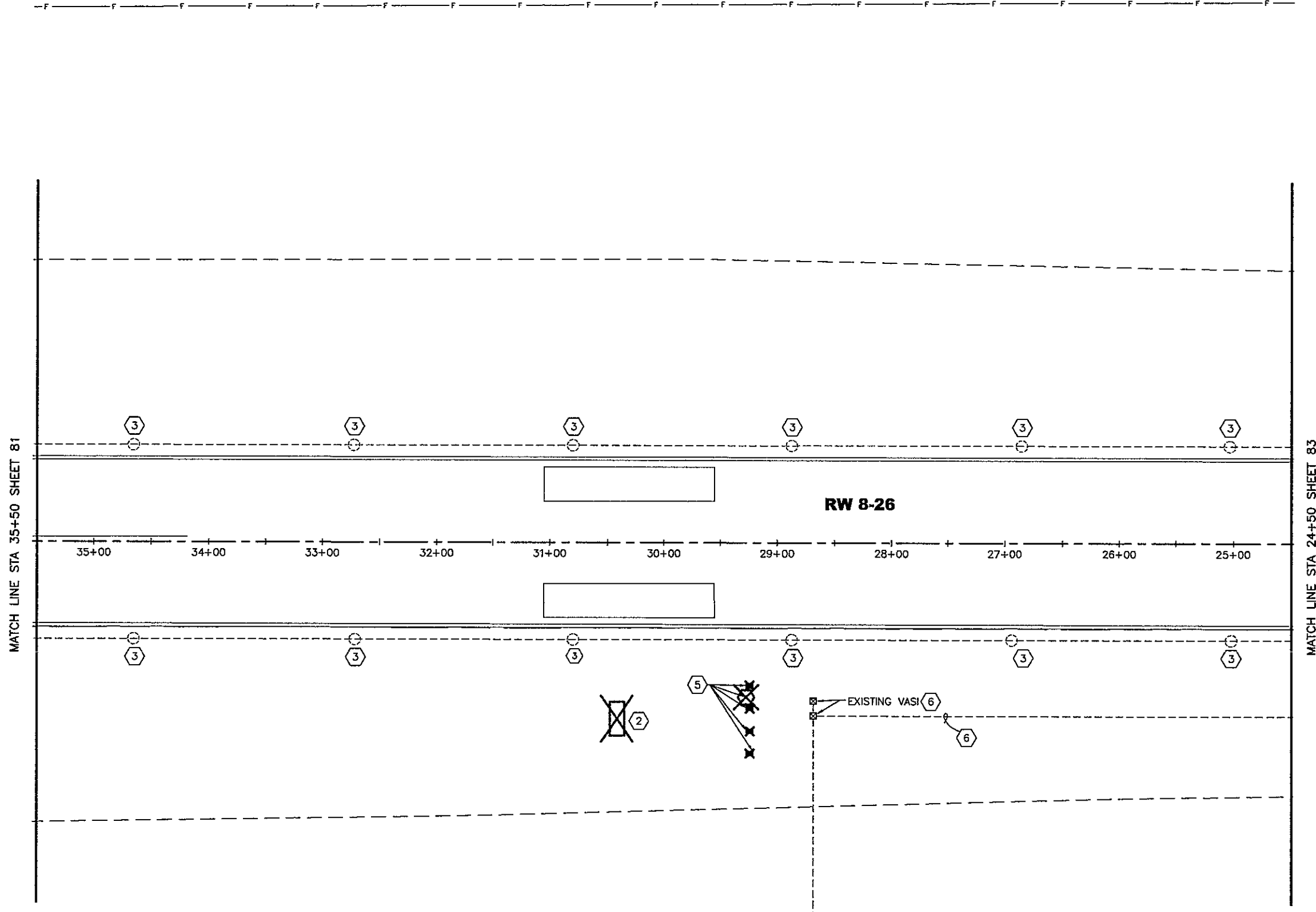
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COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
 SHEET: 81 OF 97
 AS-BUILT SHEET:

Date Revised: 6/08/2016, 2:45 PM
 Layout Name: D4
 File Path and Name: Z:\15030000\C - Cold Bay Airport Crosswind Runway Improvements\E-Working Drawings\01-05.dwg

Designed By: DMH
 Drawn By: GW
 Checked By: MLL



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BY	DATE	REVISION
DMH	06/08/16	METER LOCATION AND WIND CONE

STATE OF ALASKA
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COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573280000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING DEMOLITION PLAN

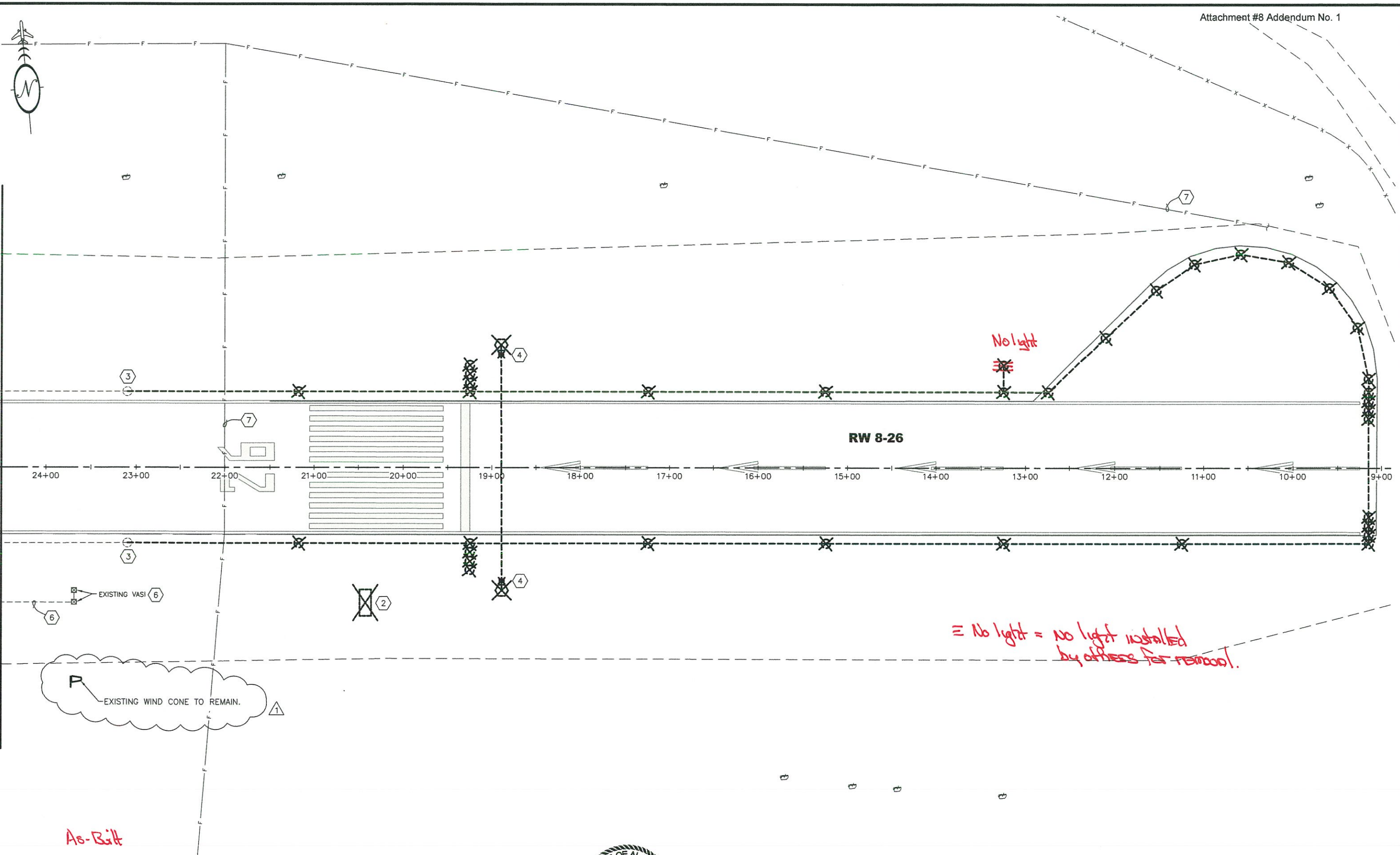
DATE: 05/16/2016
 SHEET: 82R of 97
 AS-BUILT SHEET:

Designed By: DMH
 Drawn By: GNV
 Checked By: MLL

Date Revised: 6/09/2016, 2:45 PM
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 File Path and Name: Z:\150302BC - Cold Bay Airport Crosswind Runway Improvements\E-Working Drawings\01-DB.dwg

Date Revised: 6/09/2016, 2:45 PM

MATCH LINE STA 24+50 SHEET 82



As-Built

= No light = no light installed by others for removal.



BY	DATE	REVISION
DMH	06/08/16	METER LOCATION AND WIND CONE

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COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING DEMOLITION PLAN

DATE: 05/16/2016
 SHEET: 83R of 97
 AS-BUILT SHEET:

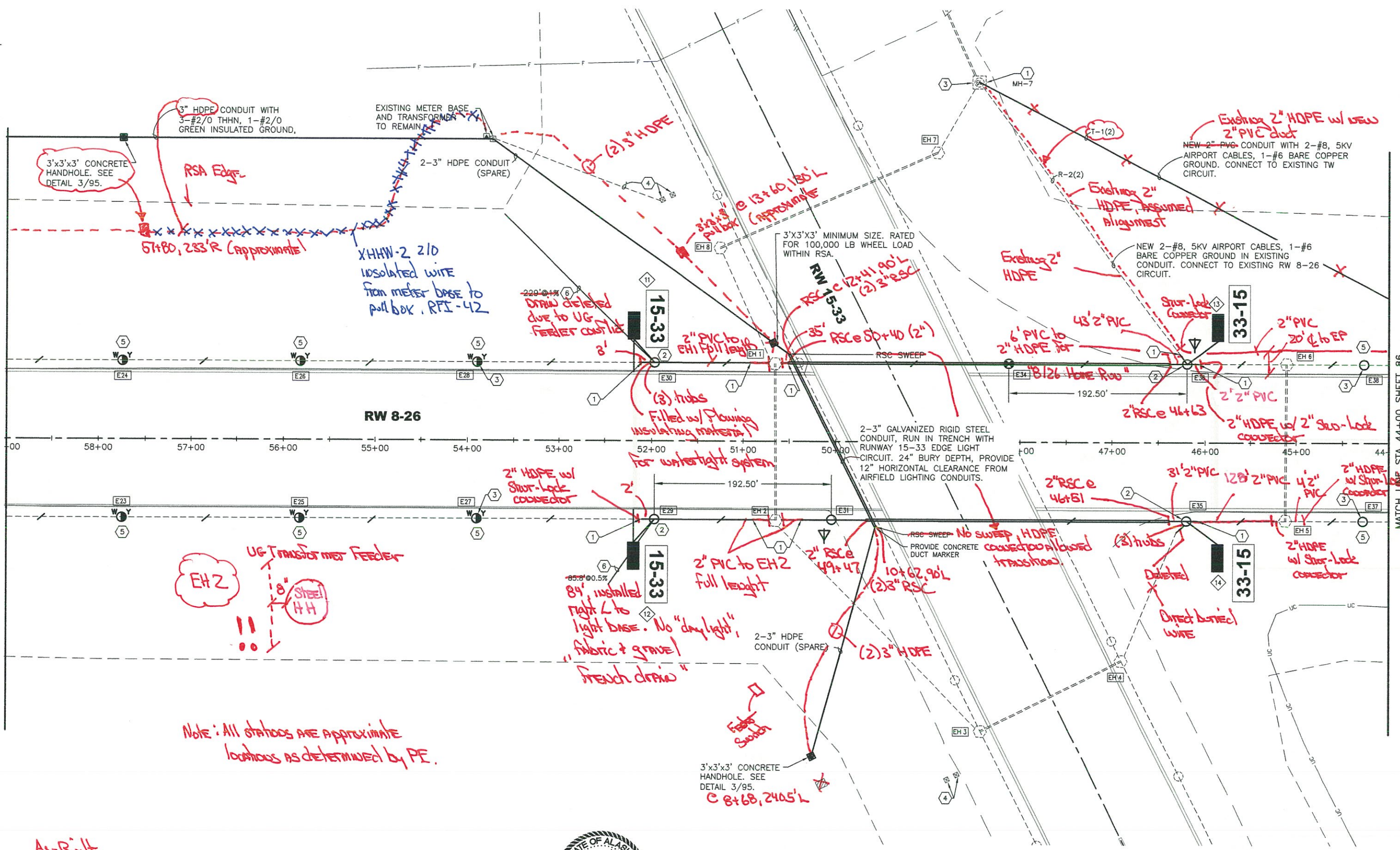
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 Checked By: MCL

Date Revised: 5/16/2016, 3:50 PM
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MATCH LINE STA 59+00 SHEET 84

MATCH LINE STA 44+00 SHEET 86



EH 2
 UG Transformer Feeder
 8" Steel HH

Note: All stations are approximate locations as determined by PE.

As-Built



BY	DATE	REVISION

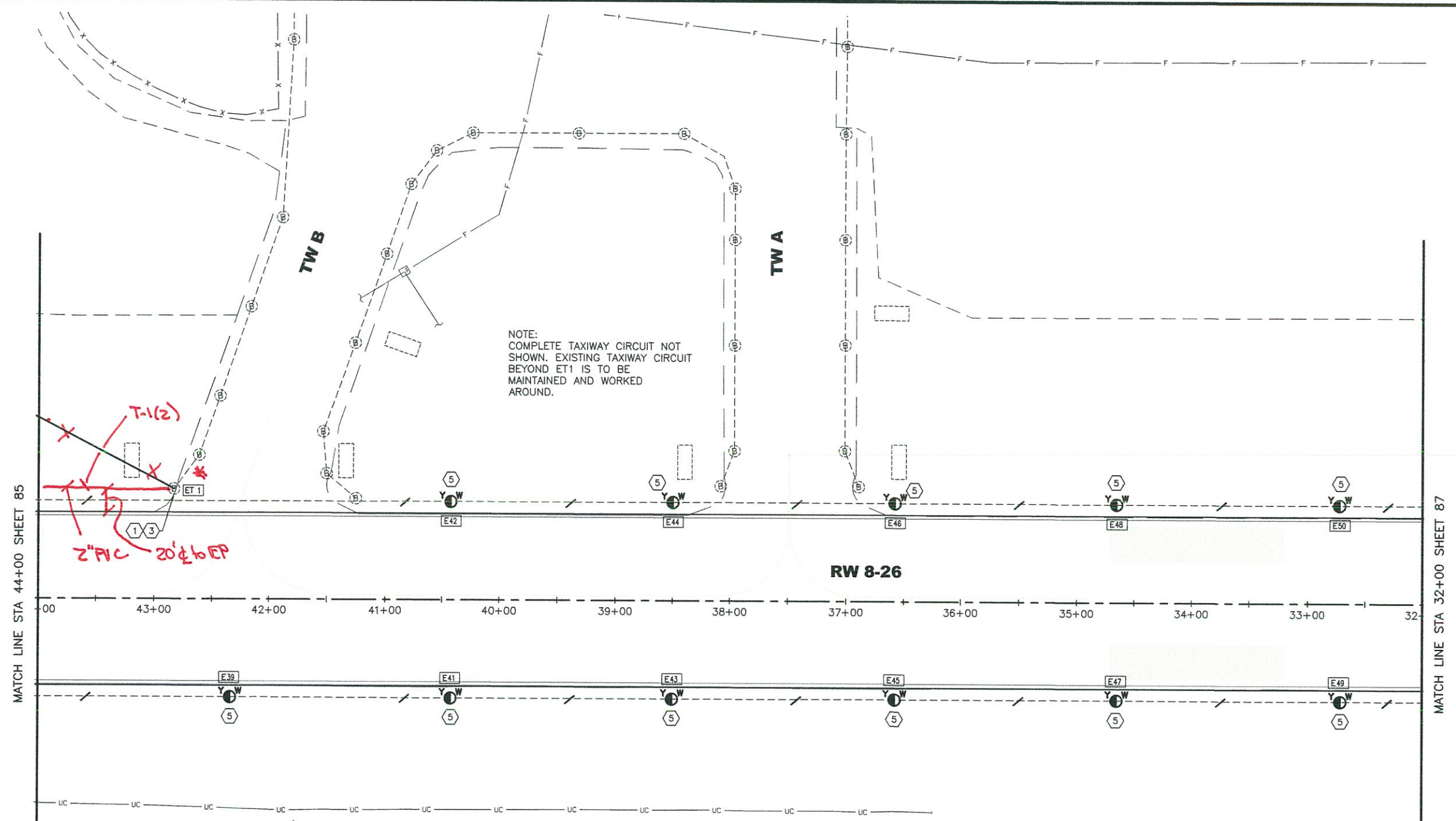
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COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 85 OF 97
 AS-BUILT SHEET:

Designed By: DMH
 Drawn By: GWV
 Checked By: RML

Date Revised: 5/16/2016, 3:50 PM
 Layout Name: E3
 File Path and Name: Z:\150300000\Cold Bay Airport Crosswind Runway Improvements\Working\Drawings\E1-E4.dwg



NOTE:
 COMPLETE TAXIWAY CIRCUIT NOT SHOWN. EXISTING TAXIWAY CIRCUIT BEYOND ET1 IS TO BE MAINTAINED AND WORKED AROUND.

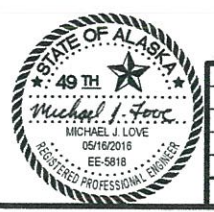
T-1(2)
 2" PIC 20' to EP

Sign
 Existing black circuit
 * T-1 tie-in to existing TW A/B circuit
 New TW T-1 circuit from MH-7
 Existing TW T-1 circuit SIR conductors. Got in E46 & labeled "DEAD"
 Existing TW T-1 circuit SIR conductors connected with L-823 & labeled "T-1 East HR A & B"
 Fixture
 Blue
 Fixture
 ET1

As-Built



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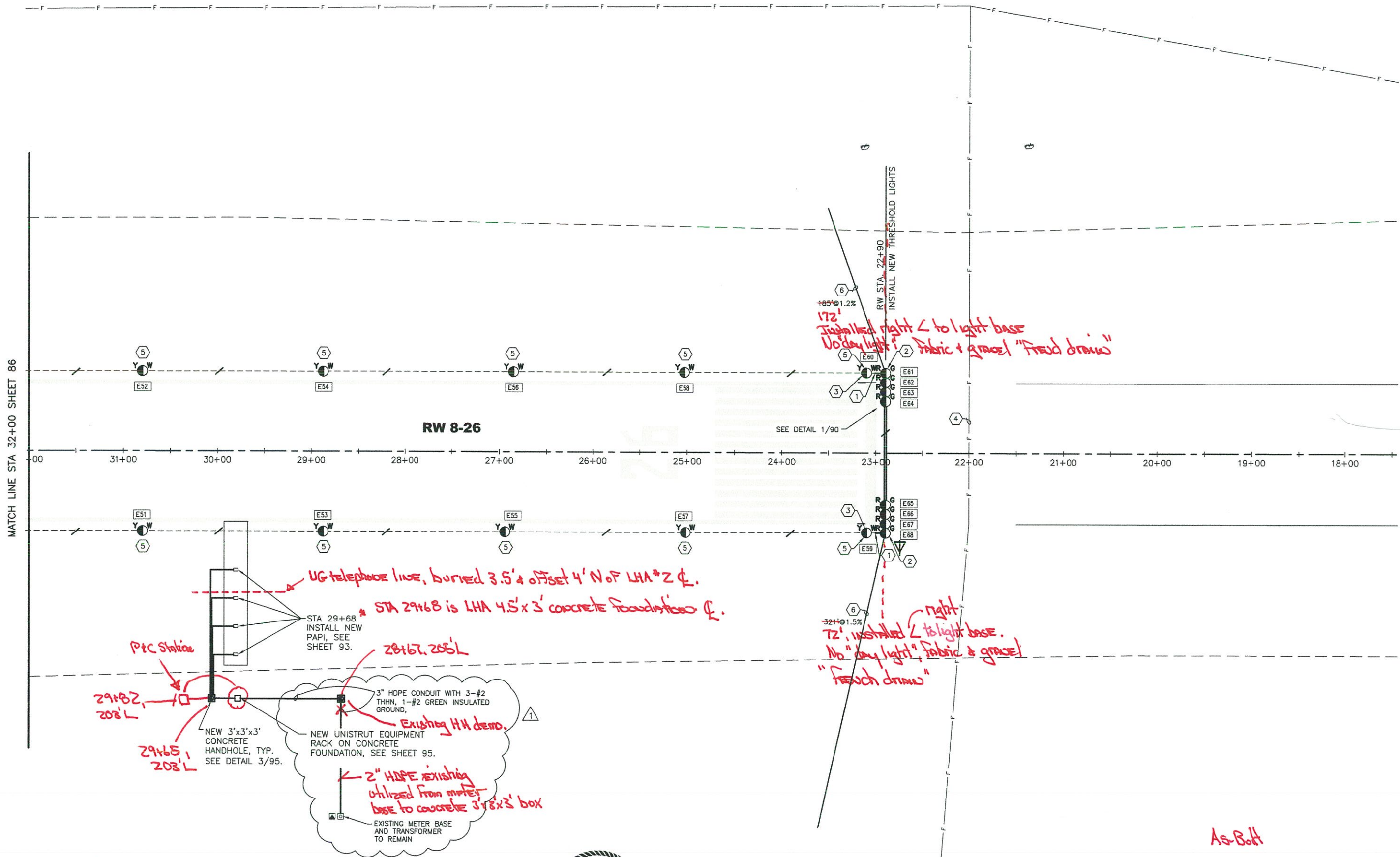
BY	DATE	REVISION

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 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 86 OF 97
 AS-BUILT SHEET:

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HH = hand hole

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BY	DATE	REVISION
DMH	06/08/16	METER LOCATION AND WIND CONE

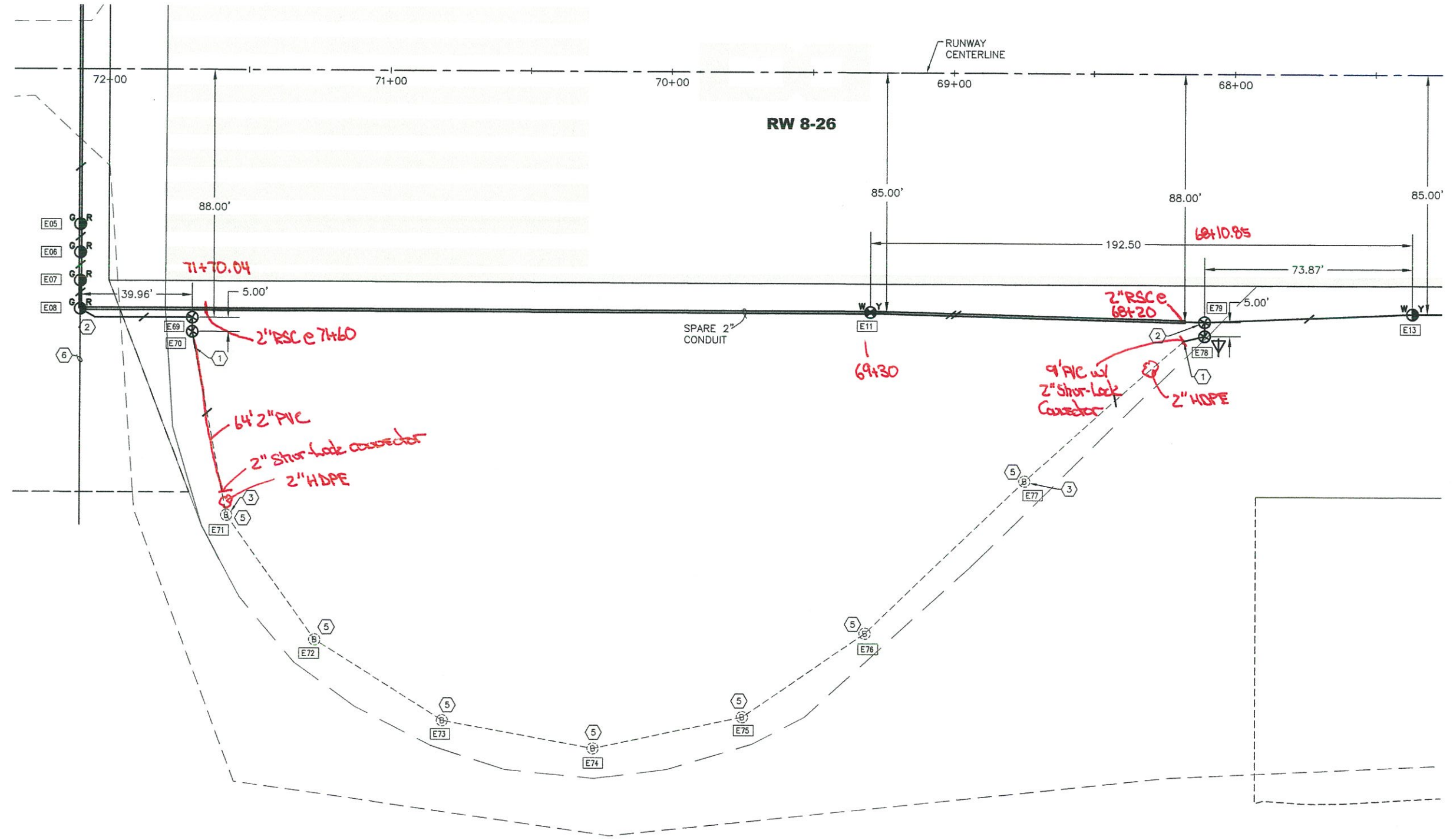
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 LIGHTING PLAN

DATE: 05/16/2016
 SHEET: 87R OF 97
 AS-BUILT SHEET:

Designed By: DMH
 Drawn By: GNV
 Checked By: MJL

Date Received: 5/16/2016, 3:51 PM
 Layout Name: E5
 File Path and Name: Z:\150300CBC - Cold Bay Airport Crosswind Runway Improvements\E-Working\Drawings\E5.dwg



1 ENLARGED PLAN - RW 8 TURNAROUND
 88

As-Built



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BY	DATE	REVISION

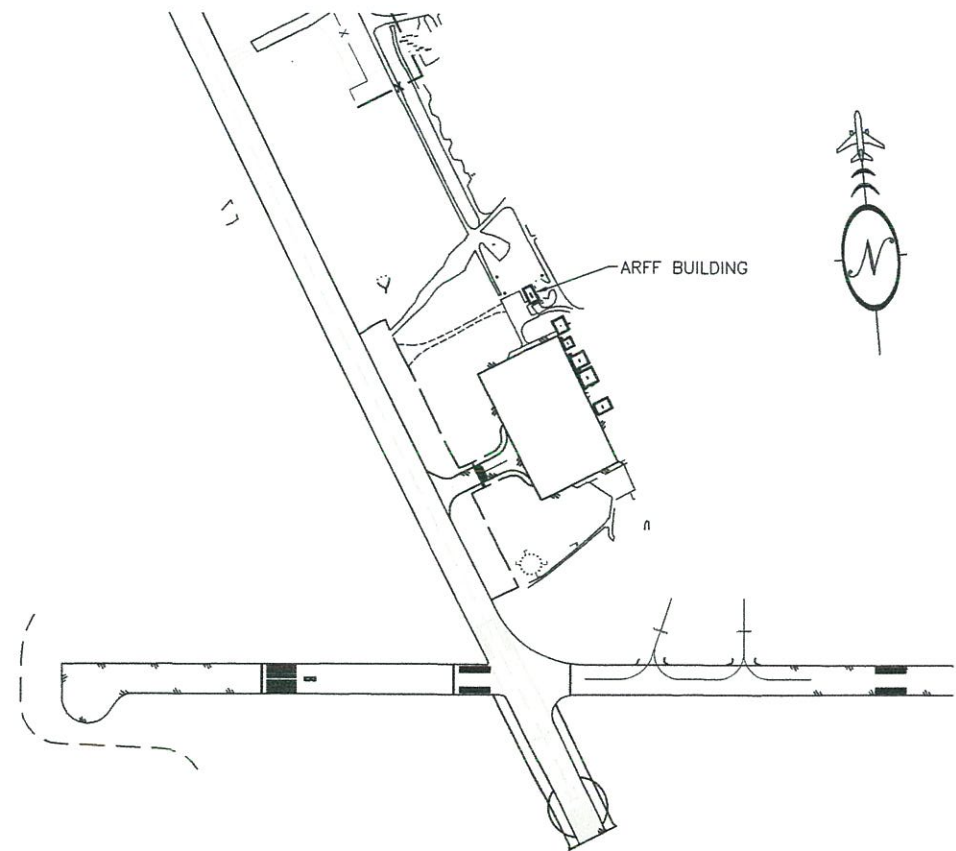
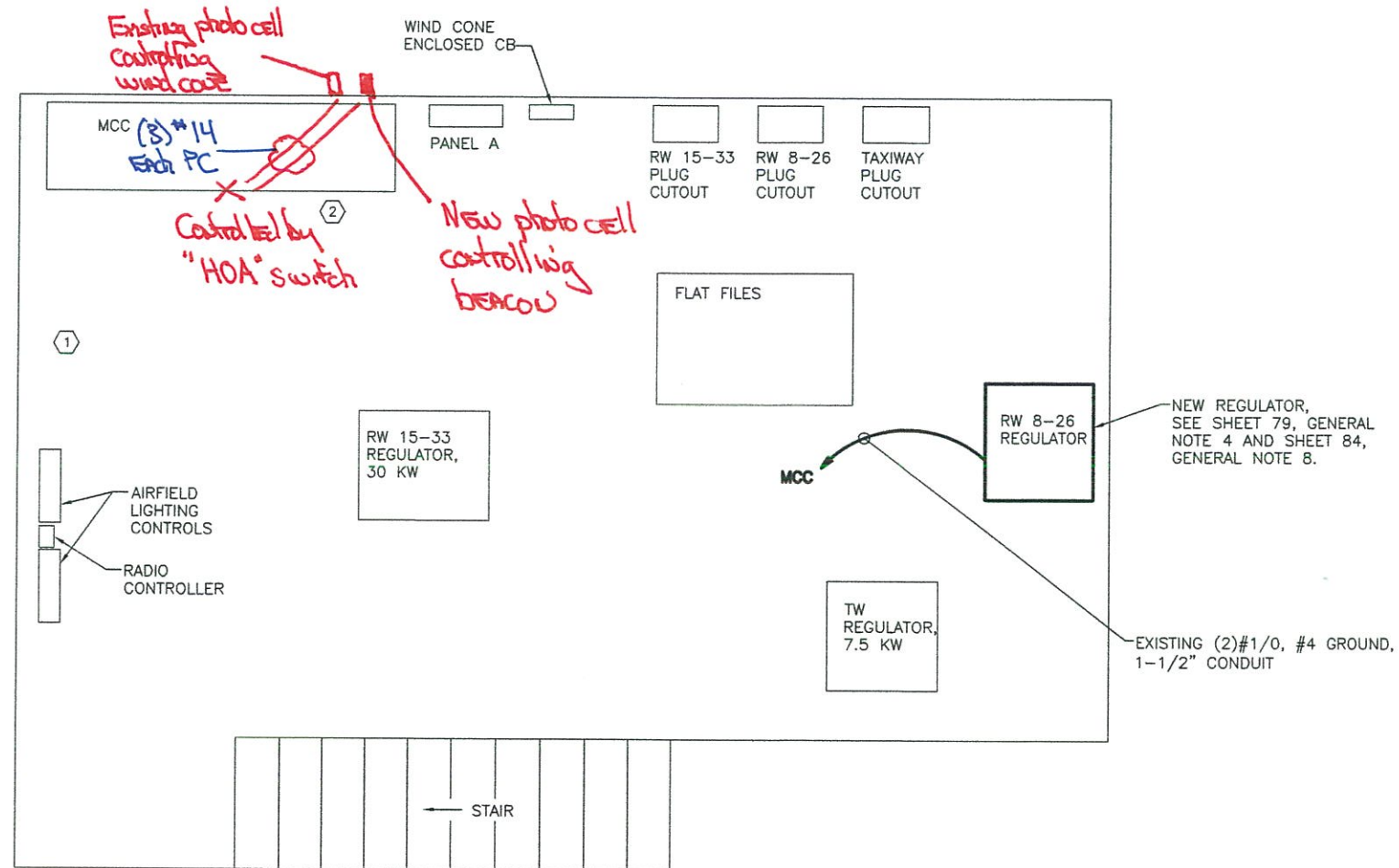
STATE OF ALASKA
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COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 ENLARGED PLAN

DATE: 05/16/2016
 SHEET: 88 of 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:51 PM
 Layout Name: EG
 File Path and Name: Z:\150300BC - Cold Bay Airport Crosswind Runway Improvements\A-E-Workings\Drawings\EG.dwg
 Designed By: DMH
 Drawn By: CAV
 Checked By: ML

NTS



1 EXISTING MEZZANINE PLAN - LOCATED IN ARFF BUILDING
89 NTS

2 KEY PLAN
89 NTS

NOTE: ALL EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

NOTES:

- ① PROVIDE NEW ROOF MOUNTED PHOTO CELL(S). CONNECT TO ROTATING BEACON AND WIND CONE CIRCUITS. PROVIDE SEPARATE PHOTO CELLS FOR ROTATING BEACON AND WIND CONE CIRCUITS, OR PROVIDE A SINGLE PHOTO CELL WITH RELAY CONTROLS AS REQUIRED. THIS WORK SHALL BE PAID UNDER ITEM L-109d.
- ② HOA SWITCHES ARE LOCATED IN THE MCC ADJACENT TO BEACON AND WIND CONE CONTRACTORS.

SEQUENCE OF OPERATIONS:

HOA IN "ON" POSITION:
BEACON/WIND CONE ARE ON.

HOA IN "OFF" POSITION:
BEACON/WIND CONE ARE OFF.

HOA IN "AUTO" POSITION:
BEACON/WIND CONE ARE ON IN DARKNESS OR WHEN RADIO CONTROL IS ACTIVATED.

As-Built



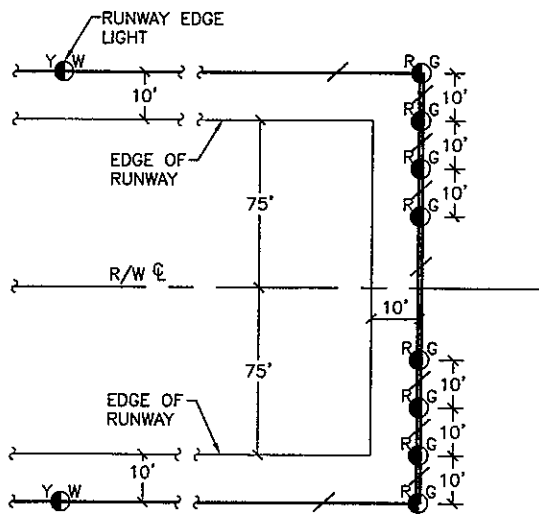
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

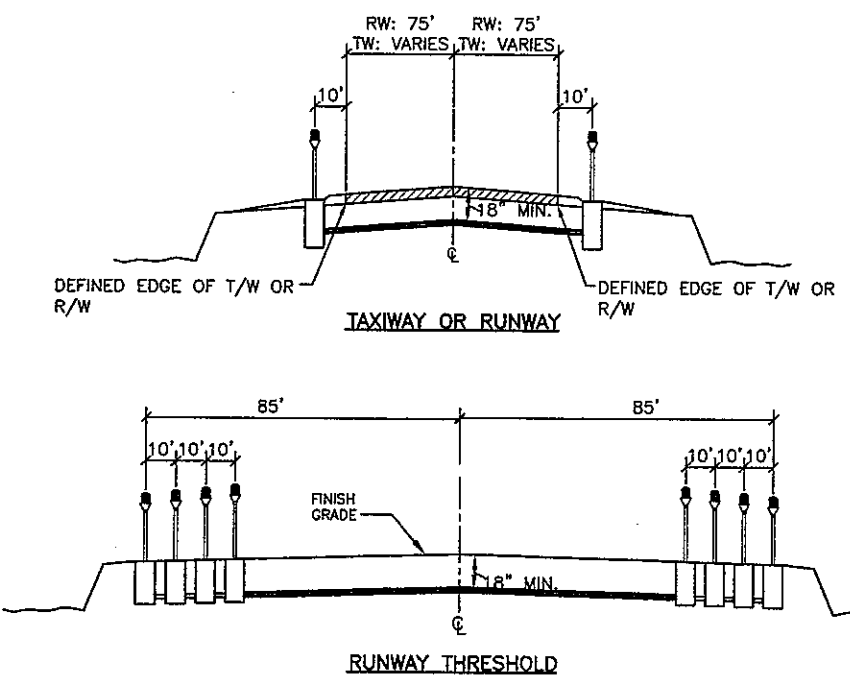
COLD BAY AIRPORT
COLD BAY, ALASKA
CROSSWIND IMPROVEMENTS
PROJECT No. Z573290000
AIP No. 3-02-0065-XXX
PARTIAL FLOOR PLAN - ARFF BLDG.

DATE:
05/16/2016
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89 of 97
AS-BUILT SHEET:

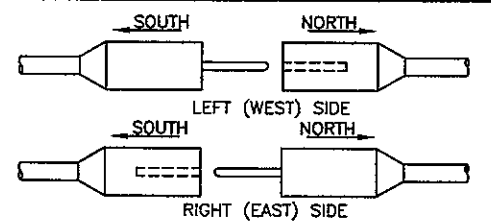
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 Checked By: MLL



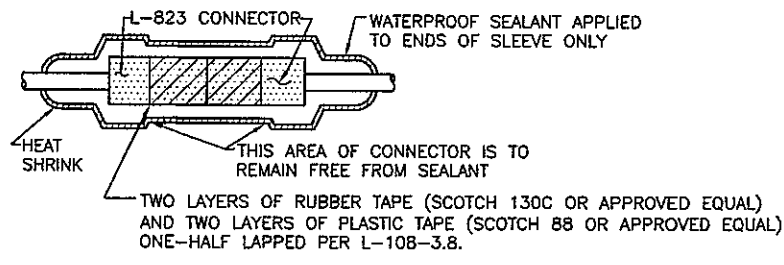
1 R/W THRESHOLD LIGHTING DETAIL
90 NTS



2 TYPICAL LIGHTING SECTIONS
90 NTS

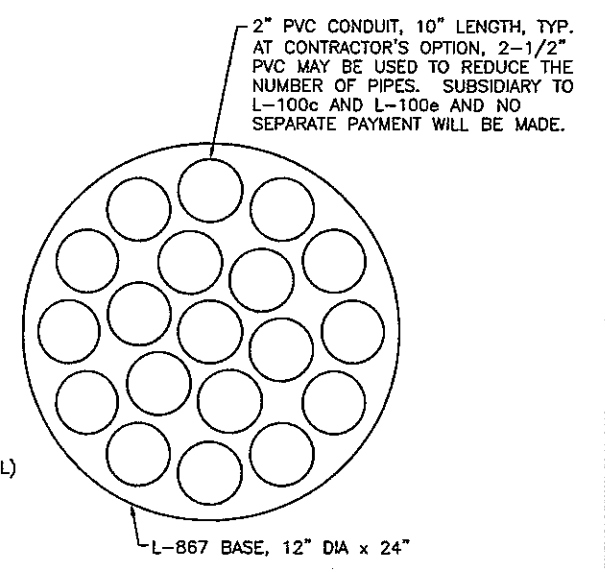


ORIENTATION OF L-823 CABLE CONNECTION IN LIGHT BASE DETAIL



- 5 KV CONDUCTORS SHALL BE PENCILLED USING A PENCILING TOOL MANUFACTURED FOR USE ON #8, 5 KV, TYPE C AIRPORT CABLE, RIPLEY WS 49 OR APPROVED EQUAL.
- CONNECTORS SHALL BE CRIMPED USING A RATCHET TYPE CRIMPING TOOL PER MANUFACTURER'S RECOMMENDATION. EACH CRIMP SHALL BE MADE WITH TWO CRIMPS, ROTATED 90°.

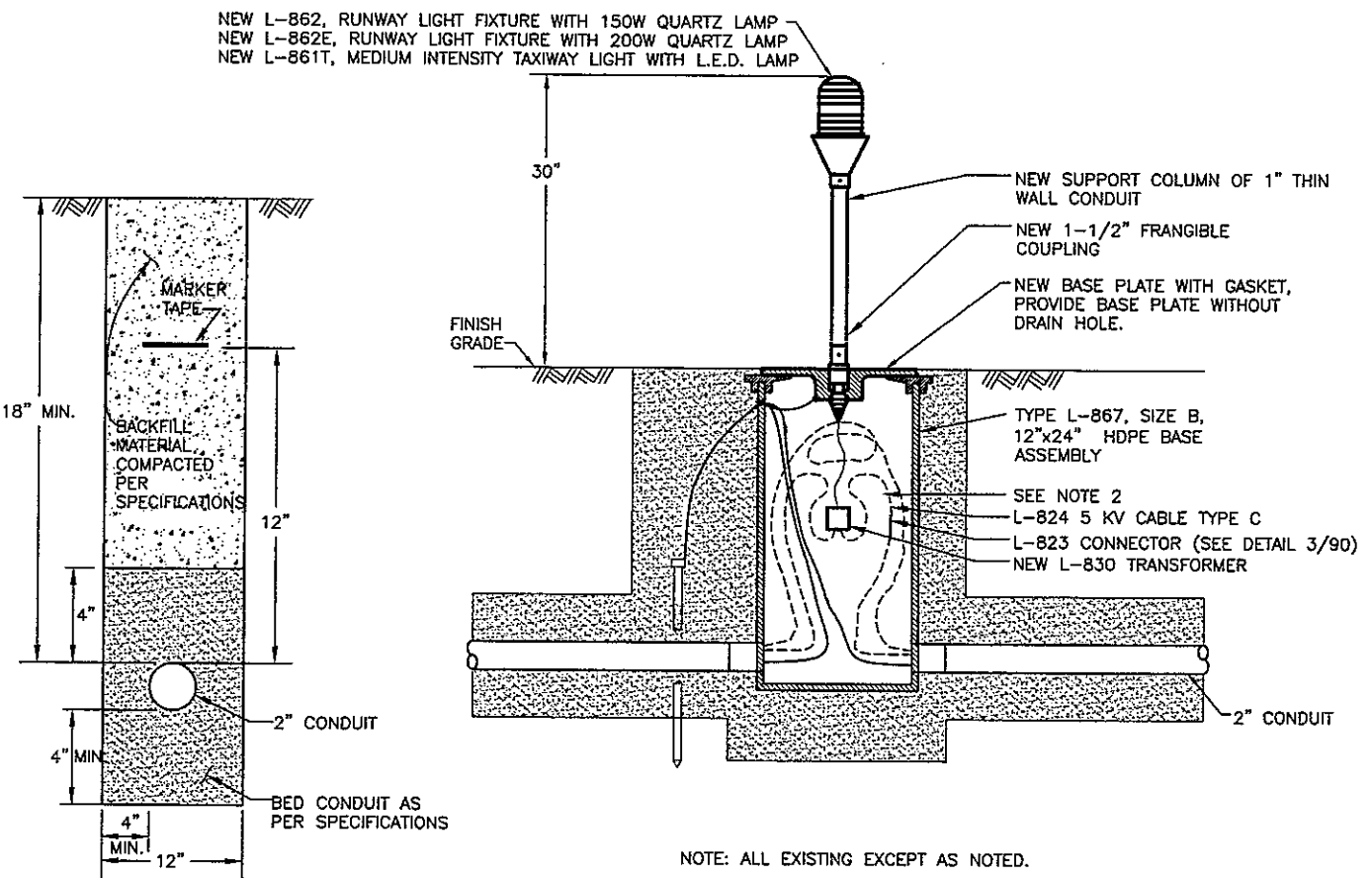
3 L-823 CONNECTOR
90 NTS



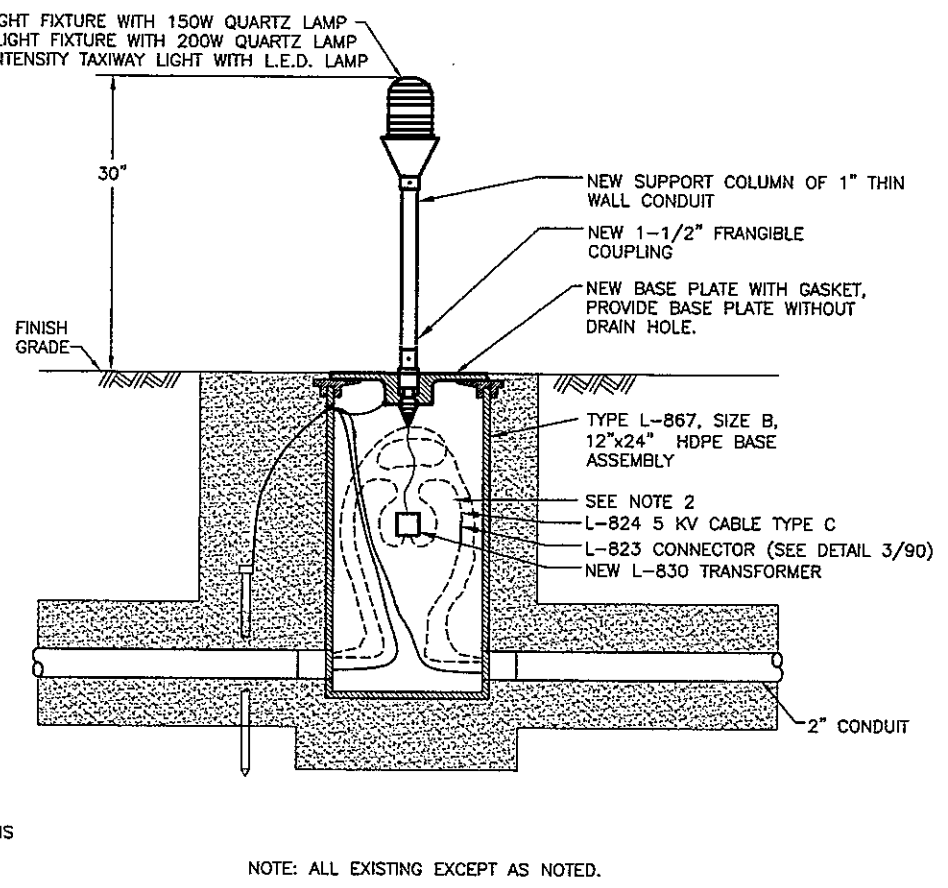
4 TRANSFORMER PLATFORM DETAIL
90 NTS

EDGE LIGHT NOTES:

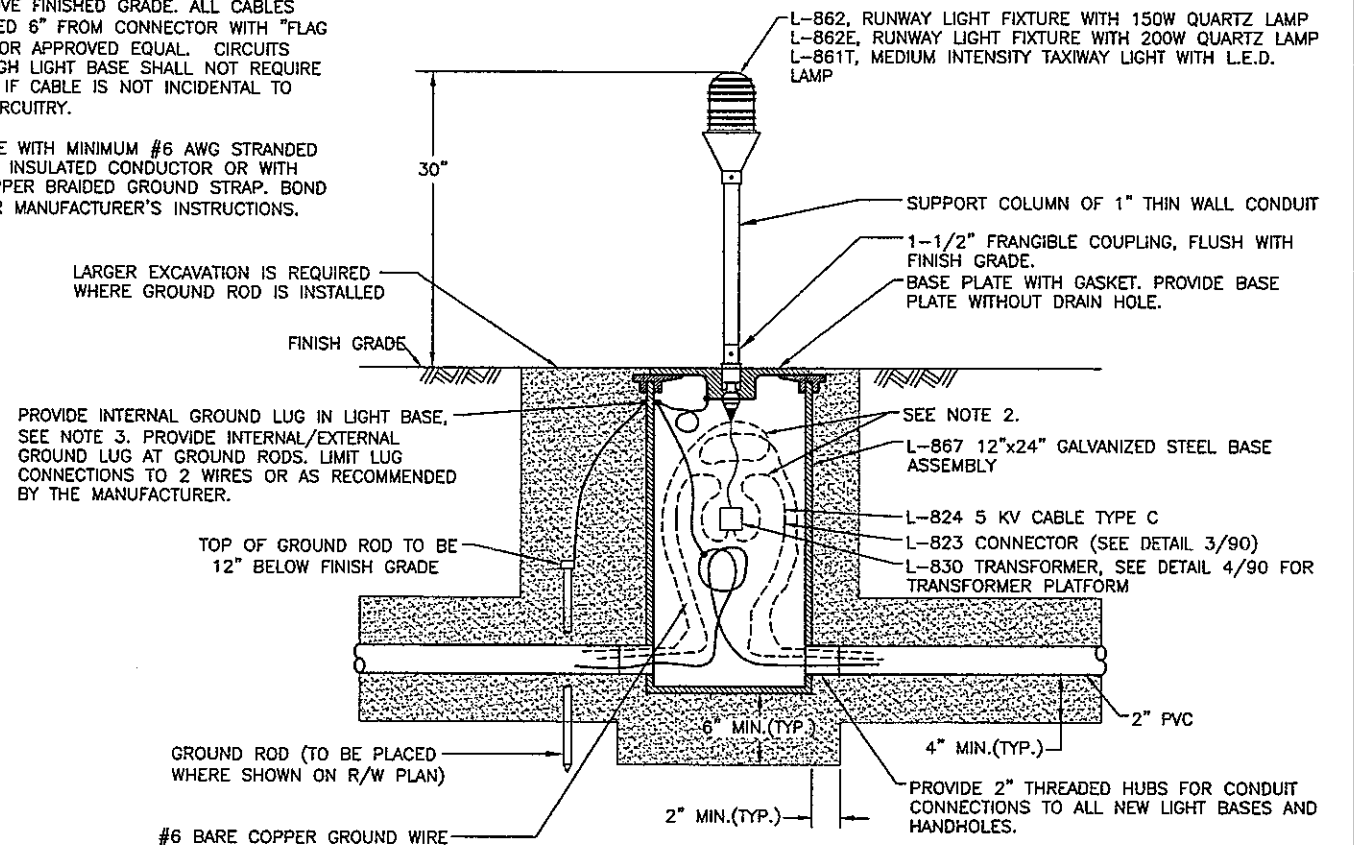
- NEW BASE ASSEMBLIES SHALL BE TYPE L-867, CLASS I, SIZE B.
- CABLES AND GROUND STRAPS SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 36" ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED 6" FROM CONNECTOR WITH "FLAG TAG" MARKERS OR APPROVED EQUAL. CIRCUITS PASSING THROUGH LIGHT BASE SHALL NOT REQUIRE SERVICE LOOPS IF CABLE IS NOT INCIDENTAL TO THAT LIGHT'S CIRCUITRY.
- GROUND FIXTURE WITH MINIMUM #6 AWG STRANDED COPPER, GREEN INSULATED CONDUCTOR OR WITH EQUIVALENT COPPER BRAIDED GROUND STRAP. BOND TO FIXTURE PER MANUFACTURER'S INSTRUCTIONS.



5 CONDUIT TRENCH DETAIL
90 NTS



6 NEW LIGHT FIXTURE ON EXISTING BASE
90 NTS



7 L-867 BASE WITH LIGHT
90 NTS

As-Built



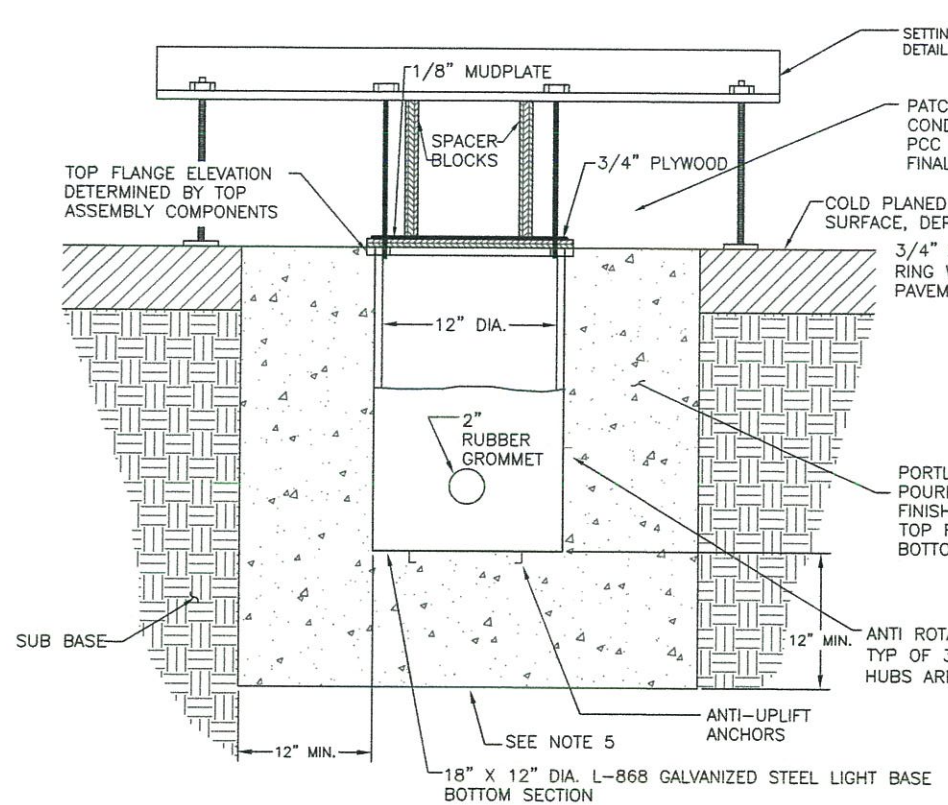
BY	DATE	REVISION

STATE OF ALASKA
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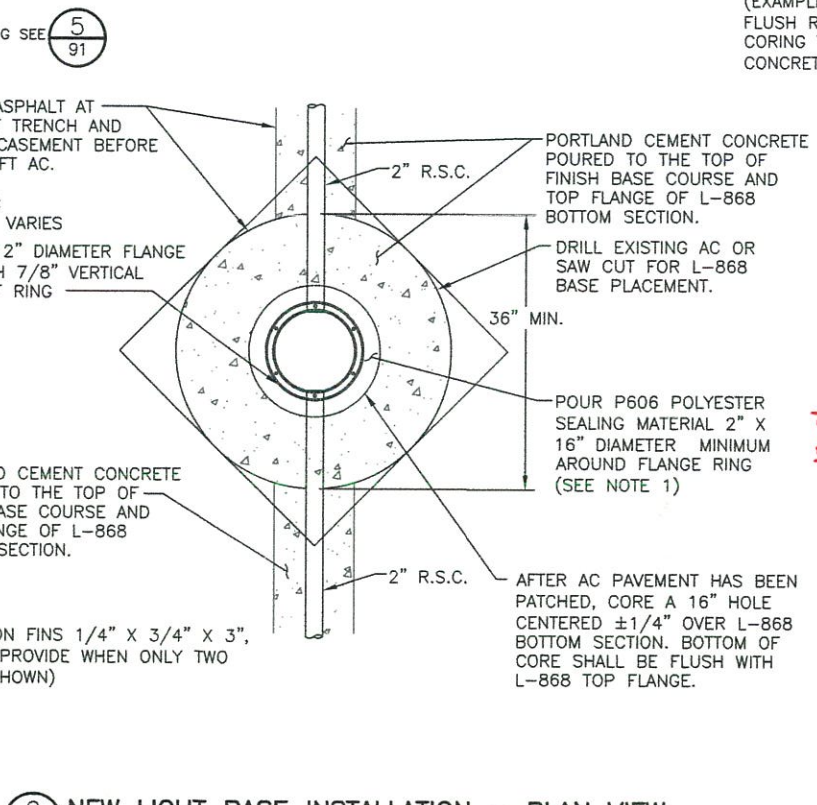
COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 LIGHTING DETAILS

DATE: 05/16/2016
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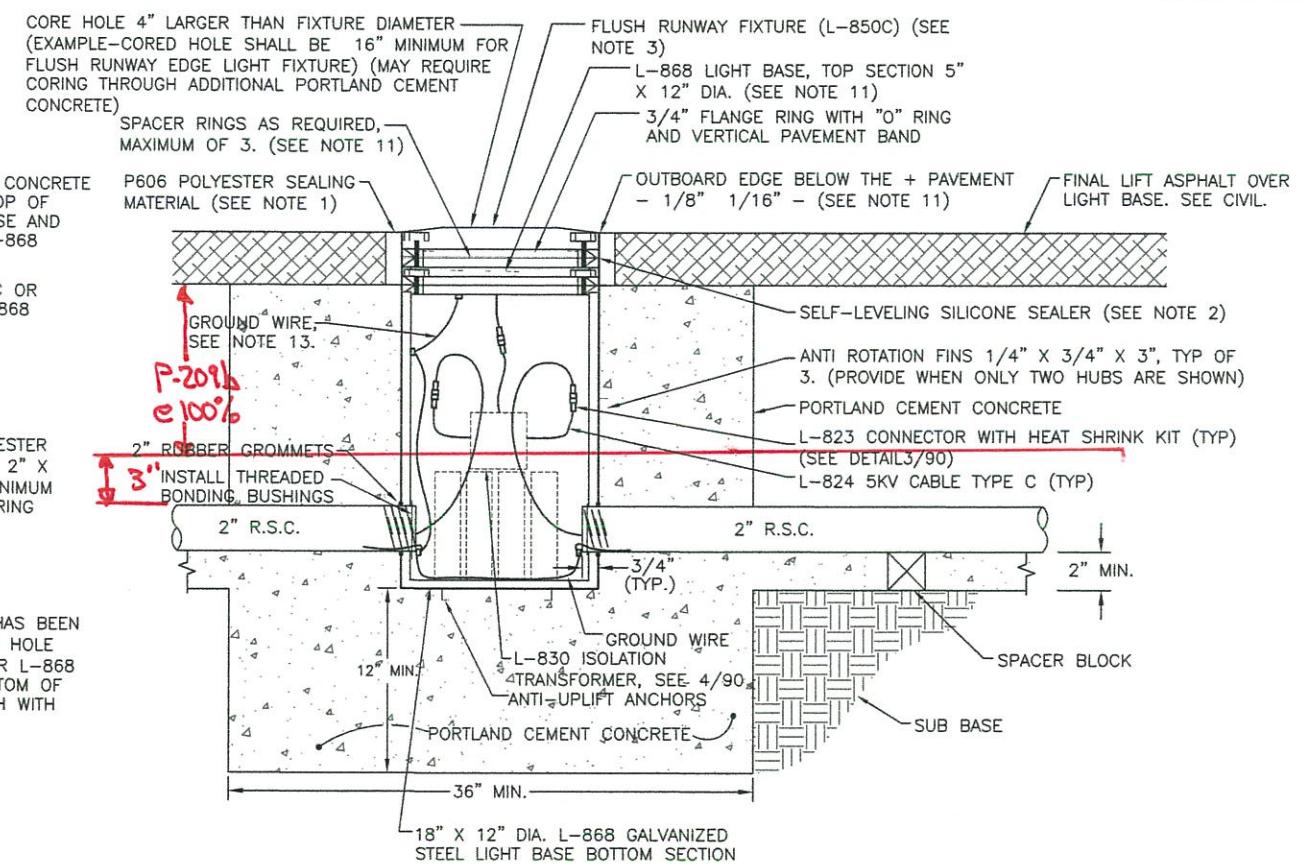
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 Checked By: MB



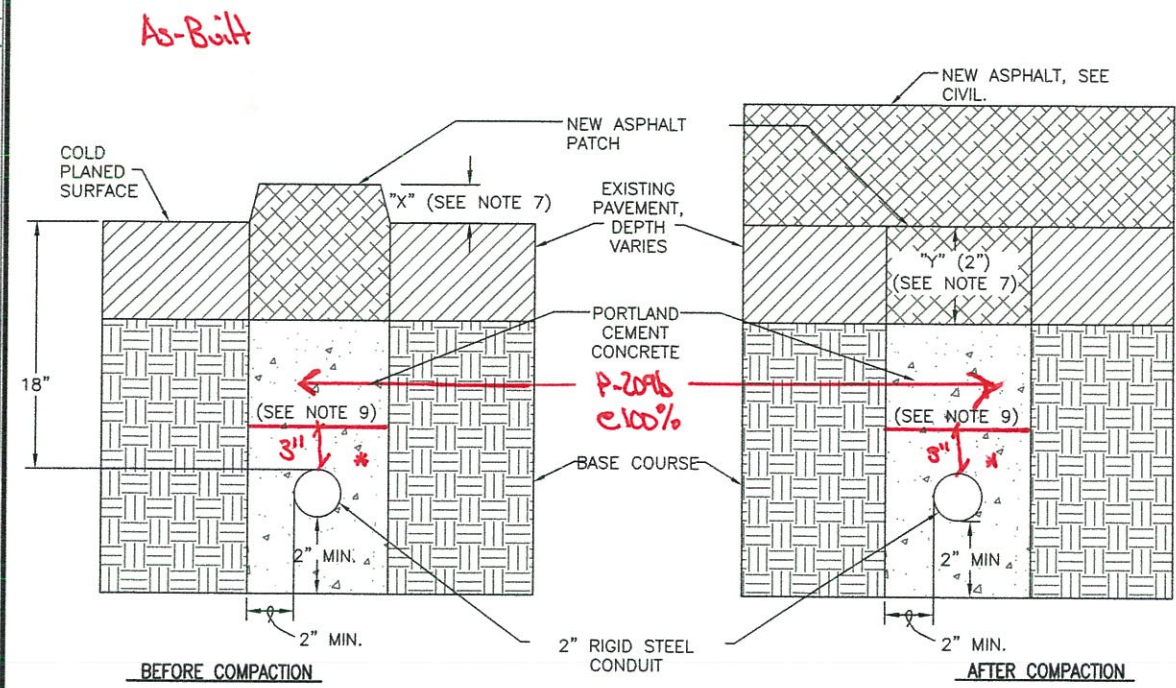
1 NEW LIGHT BASE INSTALLATION - SECTION
91 NTS



2 NEW LIGHT BASE INSTALLATION - PLAN VIEW
91 NTS

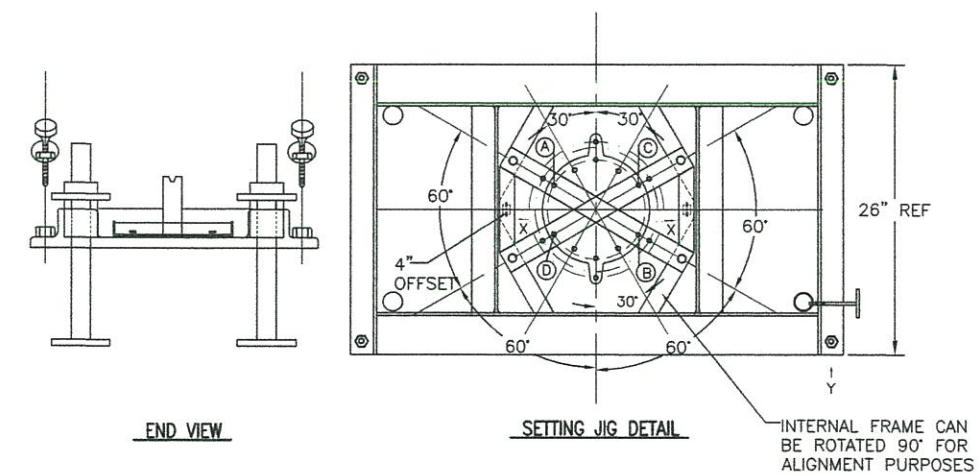


3 NEW LIGHT BASE ASSEMBLY
91 NTS



4 CONDUIT TRENCH THROUGH EXISTING PAVEMENT
91 NTS

- NOTES:**
- POLYESTER SEALING MATERIAL SHALL BE BITUPLASTIC MATERIALS MEETING SECTION P-606. SURFACE SHALL BE COMPLETELY CLEAN AND DRY BEFORE INSTALLING.
 - SELF-LEVELING SILICONE SEALER SHALL BE GE BRAND RTV 118 OR APPROVED EQUAL.
 - FIXTURE SHALL BE A FLUSH MOUNT MODEL AND INSTALLATION SHALL BE A DRY-TYPE SYSTEM.
 - CONDUIT SYSTEM SHALL BE INSTALLED AT THE SAME GRADE AS THE RUNWAY AND SLOPED TO DRAIN TO THE LOW SPOTS AND DRAINS WHERE SHOWN.
 - BOTTOM OF CORED HOLE SHALL BE COMPACTED BEFORE CONCRETE IS POURED.
 - A THIRD HUB FOR A CONDUIT DRAIN SHALL BE PROVIDED WHERE SHOWN ON PLANS.
 - HEIGHT OF "X" MAY VARY DEPENDING ON FIELD CONDITIONS. HEIGHT OF "X" SHALL EQUAL 1/4" PER 1" OF COMPACTED DEPTH "Y".
 - SETTING JIG FOR FIXTURE SHALL BE FROM JAQUITH INDUSTRIES INC. OR APPROVED EQUAL AND SHALL BE SUBSIDIARY TO THE CONTRACT.
 - CONCRETE SHALL MEET THE REQUIREMENTS FOR STRUCTURAL CONCRETE (ITEM P-610).
 - ALL CONDUIT SHALL BE INSTALLED BEFORE FINAL PAVING OPERATION BEGINS. NEW FLUSH FIXTURE BOTTOM SECTION SHALL BE INSTALLED BEFORE FINAL LIFT ASPHALT.
 - CONTRACTOR SHALL INSTALL ONE 3/8" SPACER RING FOR FUTURE ADJUSTMENT AND ANY OTHER SPACER RINGS AS REQUIRED TO MEET FINAL ELEVATION. UNDER NO CONDITION SHALL THE TOP SECTION BE REDUCED TO LESS THAN 5". ALL MATERIALS REQUIRED SHALL BE SUBSIDIARY TO ITEM L-100K AND NO SEPARATE PAYMENT WILL BE MADE.
 - CABLES AND GROUND STRAPS SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 36" ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED 6" FROM CONNECTOR WITH "FLAG TAG" MARKERS OR APPROVED EQUAL. CIRCUITS PASSING THROUGH LIGHT BASE SHALL NOT REQUIRE SERVICE LOOPS IF CABLE IS NOT INCIDENTAL TO THAT LIGHT'S CIRCUITRY.
 - GROUND FIXTURE WITH MINIMUM #6 AWG STRANDED COPPER, GREEN INSULATED CONDUCTOR OR WITH EQUIVALENT COPPER BRAIDED GROUND STRAP. BOND TO FIXTURE PER MANUFACTURER'S INSTRUCTIONS.



5 SETTING JIG
91 NTS

** REFER to 6/2017 Brian Haveson / Doug Hades
E-mail allowing re-design concrete depth.*



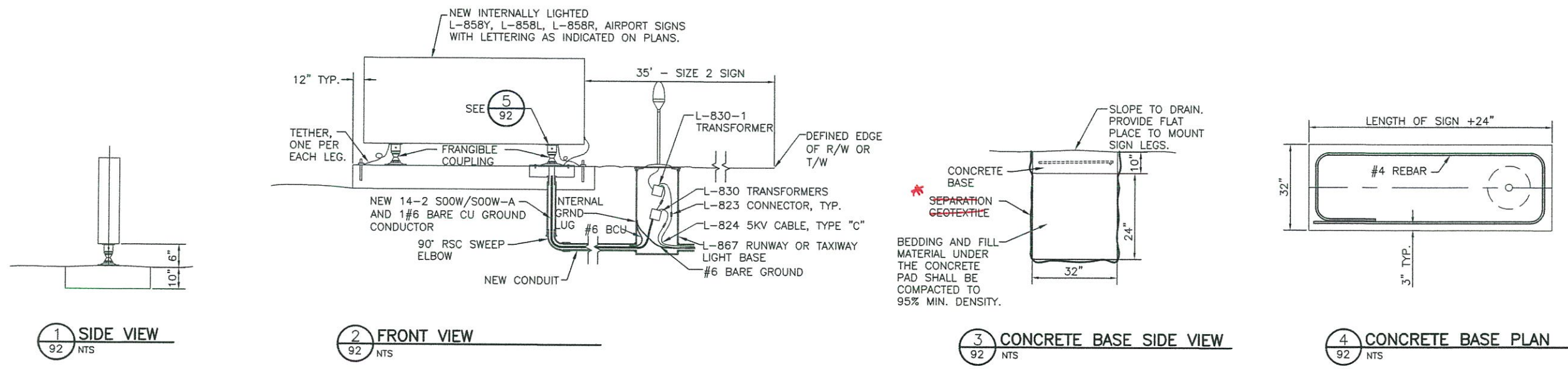
BY	DATE	REVISION

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COLD BAY AIRPORT
COLD BAY, ALASKA
CROSSWIND IMPROVEMENTS
PROJECT No. Z573290000
AIP No. 3-02-0065-XXX
FLUSH LIGHTING DETAILS

DATE: 05/16/2016
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AS-BUILT SHEET:

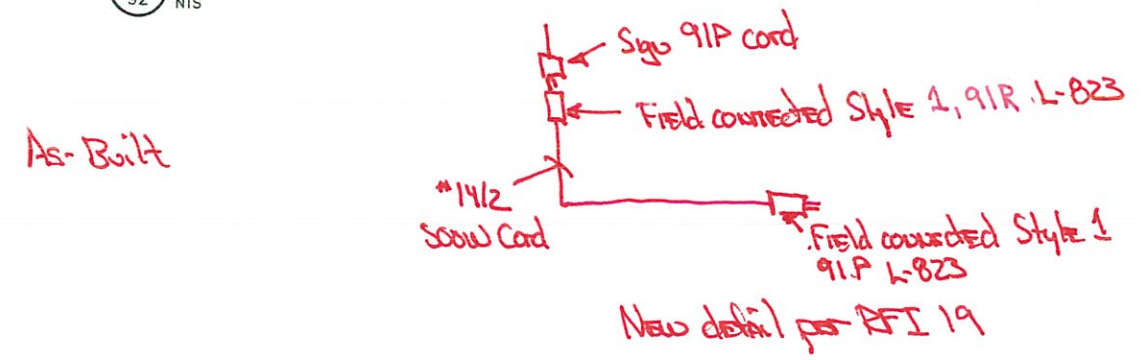
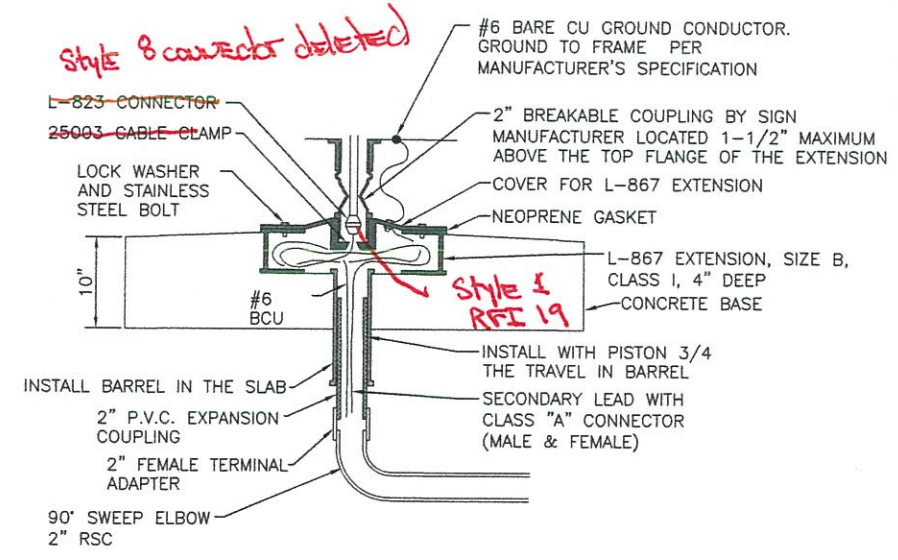
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 File Path and Name: I:\19030000 - Cold Bay Airport Crosswind Runway Improvements E-Working Drawings\EG.dwg
 Designed By: DMH
 Drawn By: GMV
 Checked By: ML



** Geo textile deleted excavated face*

SIGN SCHEDULE									
SIGN No.	SIDE	PANEL	TYPE	PURPOSE	LEGEND	LEGEND COLOR	FACE COLOR	STATIONING	REMARKS
11	1	1	L-858R	MANDATORY INSTRUCTION SIGN	15-33	WHITE	RED	RW 8-26	
	2							52+18.97 (110.00 RT)	
12	1	1	L-858R	MANDATORY INSTRUCTION SIGN	15-33	WHITE	RED	RW 8-26	
	2							52+18.97 (110.00 LT)	
13	1	1	L-858R	MANDATORY INSTRUCTION SIGN	33-15	WHITE	RED	RW 8-26	
	2							45+86.04 (110.00 RT)	
14	1	1	L-858R	MANDATORY INSTRUCTION SIGN	33-15	WHITE	RED	RW 8-26	
	2							45+86.04 (110.00 LT)	

- NOTES:**
- ALL NEW SIGNS - LED, SIZE 2, STYLE 2 AND 3, CLASS 2, MODE 3.
 - ALL CIRCUITS 6.6 A
 - PROVIDE NEW TRANSFORMERS, SECONDARY WIRING, AND GROUNDING. TRANSFORMER WATTAGE SIZE PER MANUFACTURER'S SPECIFICATION.
 - ATTACH SIGNS TO CONCRETE BASE IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTION.
 - THE CONTRACTOR SHALL CERTIFY THE CONCRETE BASE IS CONSTRUCTED TO MEET THE SPECIFICATION P610. CONCRETE BASE SHALL BE LEVEL AND PERPENDICULAR TO RW OR TW CENTERLINE.
 - CONDUIT SHALL MEET THE SPECIFICATION L-110.
 - CABLE AND CONDUCTORS SHALL MEET THE SPECIFICATION L-108.
 - BEDDING, BACK FILL AND FINISH GRADE RESTORATION SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
 - ALL CABLES PASSING THROUGH BASE SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 3' ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED.
 - SUSPEND TRANSFORMER AND CONNECTOR IN UPPER HALF OF BASE SEE DETAIL 4/90.
 - SIGNS TO BE INSTALLED SO THAT THE FACE IS PERPENDICULAR TO THE CENTERLINE OF RUNWAY OR TAXIWAY.
 - STATION AND OFFSET REFER TO THE EDGE OF THE SIGN NEAREST THE RUNWAY OR TAXIWAY. SEE DETAIL 2/92.
 - OFFSETS LISTED IN THE SIGN SCHEDULE ARE FROM THE CENTERLINE OF THE RUNWAY OR TAXIWAY.
 - SIGN PANELS ARE NUMBERED STARTING WITH THE PANEL CLOSEST TO THE RUNWAY OR TAXIWAY EDGE.



BY	DATE	REVISION

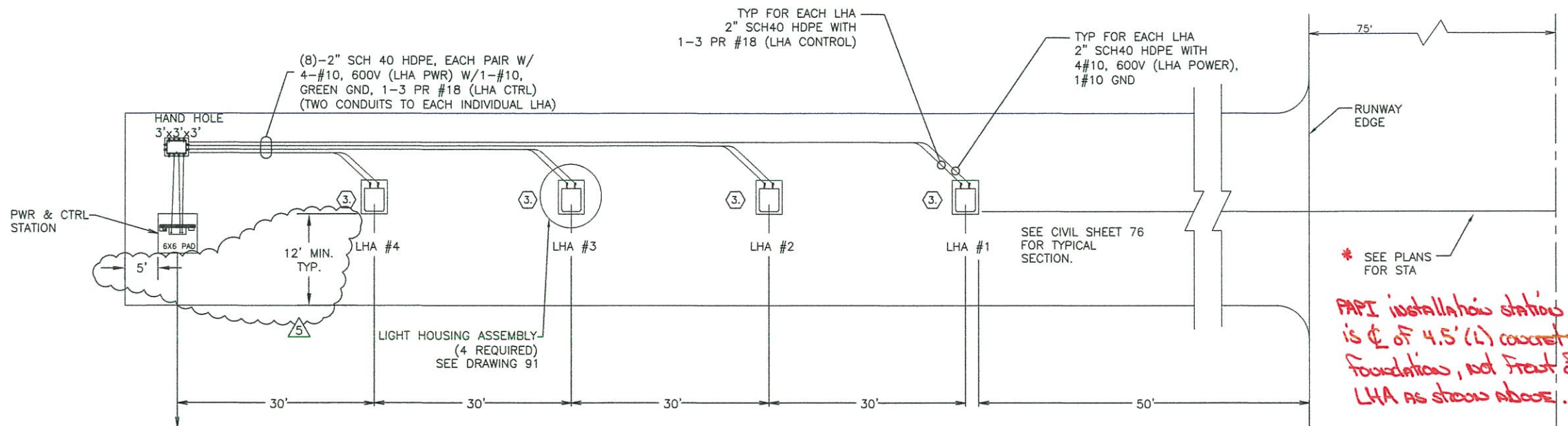
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

COLD BAY AIRPORT
COLD BAY, ALASKA
CROSSWIND IMPROVEMENTS
PROJECT No. Z573290000
AIP No. 3-02-0065-XXX
SIGN DETAILS

DATE: 05/16/2016
SHEET: 92 of 97
AS-BUILT SHEET:

Date Revised: 5/03/2017, 3:17 PM
 Layout Name: E10
 File Path and Name: Z:\1003030BC - Cold Bay Airport Crosswind Runway Improvements\1-Working Drawings\E10.dwg
 Designed By: DMH
 Drawn By: GMV
 Checked By: MJL

NOTES:
 LHA'S, PAPI P&C CONTROL CABINET, A/G RECEIVER/CONTROLLER, AND ANTENNA ARE FAA FURNISHED. CONTRACTOR INSTALLED. ALL OTHER EQUIPMENT AND MATERIALS ARE CONTRACTOR FURNISHED AND INSTALLED.

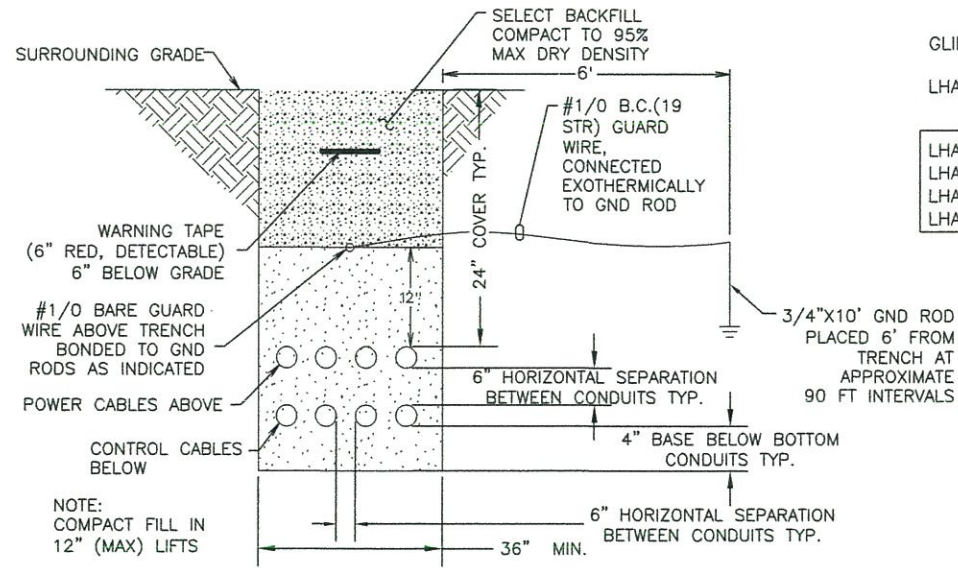


- NOTES:
- INSTALLATION TOLERANCES FOR SEPARATION BETWEEN LHA'S AND DISTANCE BETWEEN LHA #1 AND EDGE OF RUNWAY IS +/- 2 INCHES.
 - THE FRONT FACE OF EACH LHA SHALL BE IN A LINE PERPENDICULAR TO THE RUNWAY CENTERLINE +/- 1 INCH.
 - FOR RW-08 ROTATE THE FOUNDATION AND EACH LHA 5° CLOCKWISE. ALL PAPI FOUNDATIONS AND LHA'S TO BE PARALLEL TO THE RUNWAY CENTERLINE.
 - VERIFY AIMING ANGLES WITH FAA PRIOR TO INSTALLATION.

RFP-6, Sheets 47R + 53R for RW 15/33 PAPI install

** SEE PLANS FOR STA
PAPI installation station is @ of 4.5' (L) concrete foundation, not front of LHA as shown above.*

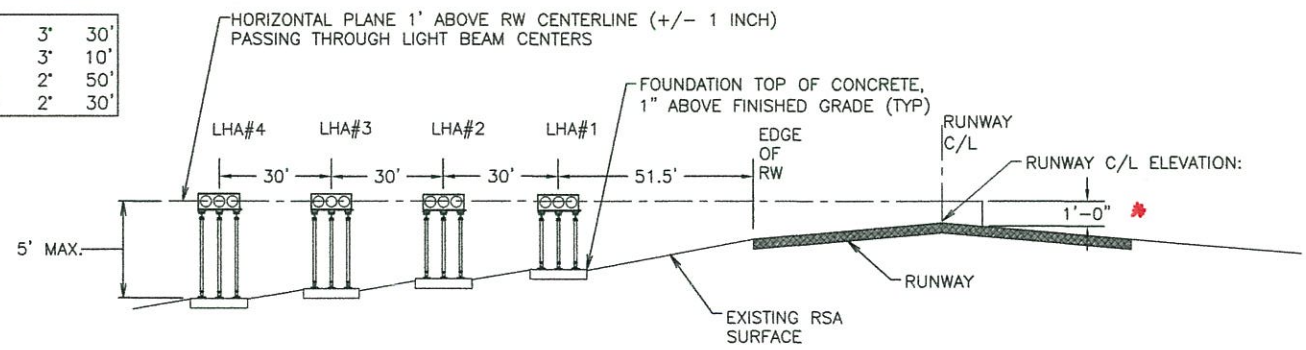
1 PAPI PLAN VIEW
93 NTS



2 PAPI TRENCH DETAIL
93 NTS

GLIDE PATH: 3'

LHA#	AIMING ANGLE
LHA#1	3° 30'
LHA#2	3° 10'
LHA#3	2° 50'
LHA#4	2° 30'



3 PAPI ELEVATION (VIEW ON APPROACH)
93 NTS

As-Built



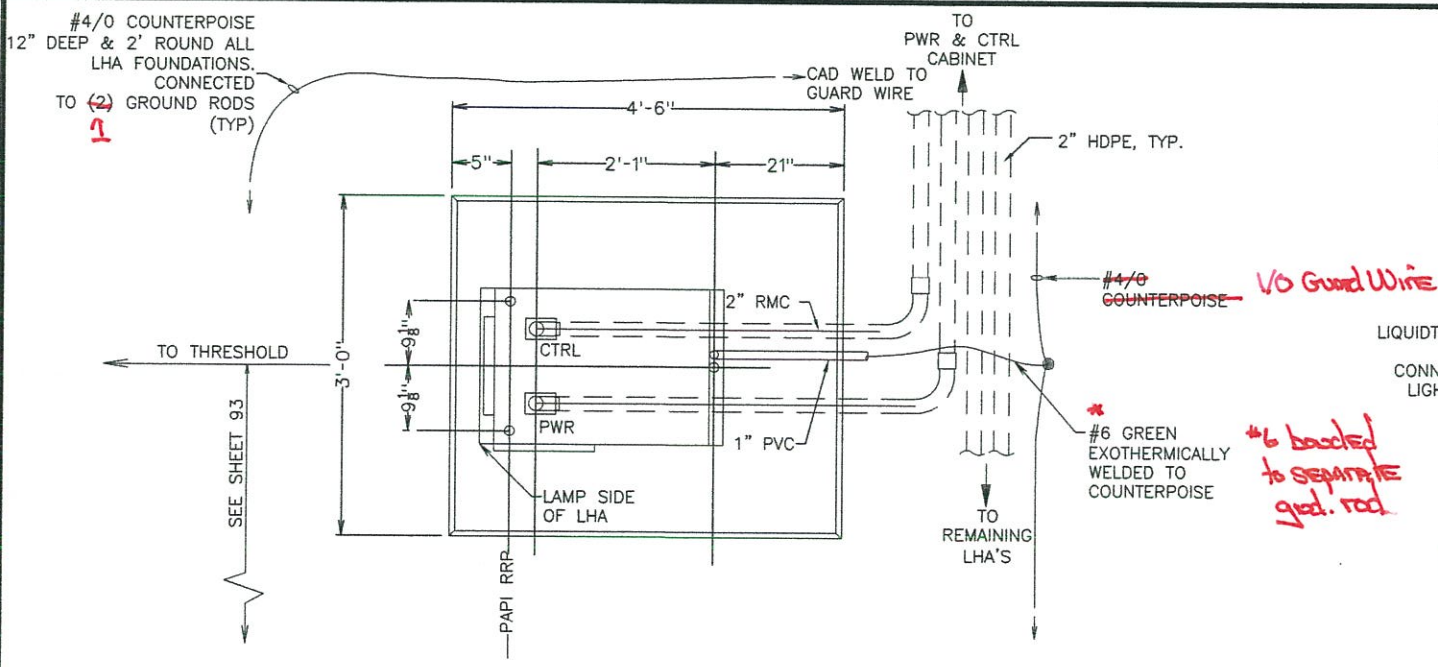
BY	DATE	REVISION
MBA	05/03/17	REVISE PAPI DETAILS / 5

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
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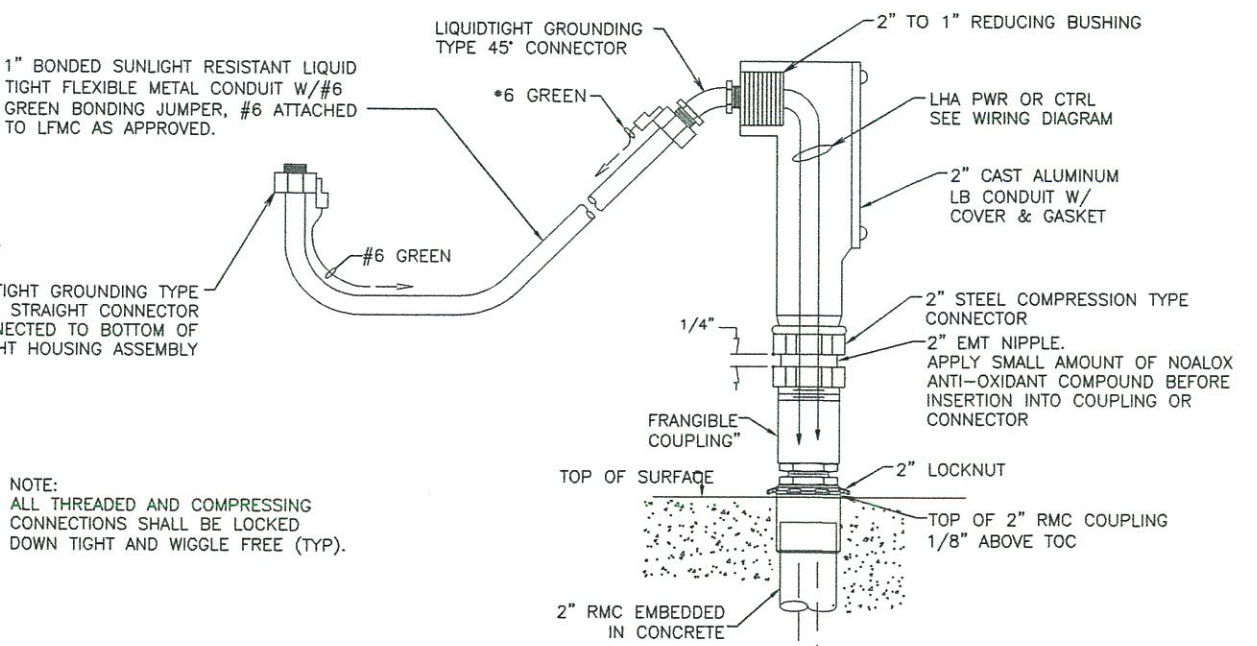
COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 PAPI DETAILS

DATE: 05/03/2017
 SHEET: 93R OF 97
 AS-BUILT SHEET:

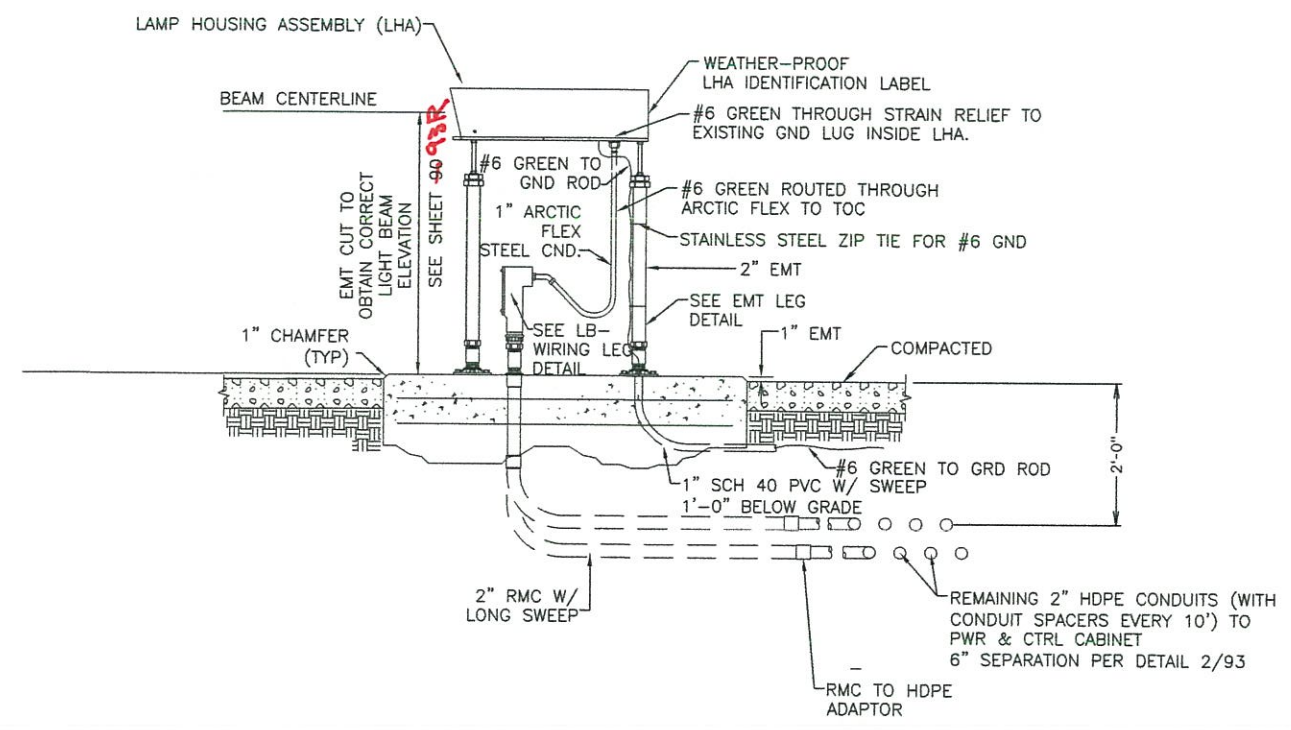
Date Revised: 5/16/2016, 3:52 PM
 Layout Name: E11
 File Path and Name: Z:\150300BC - Cold Bay Airport, Crosswind Runway Improvements\E-Wiring Drawings\E11.dwg
 Designed By: CMH
 Drawn By: CMH
 Checked By: WLE



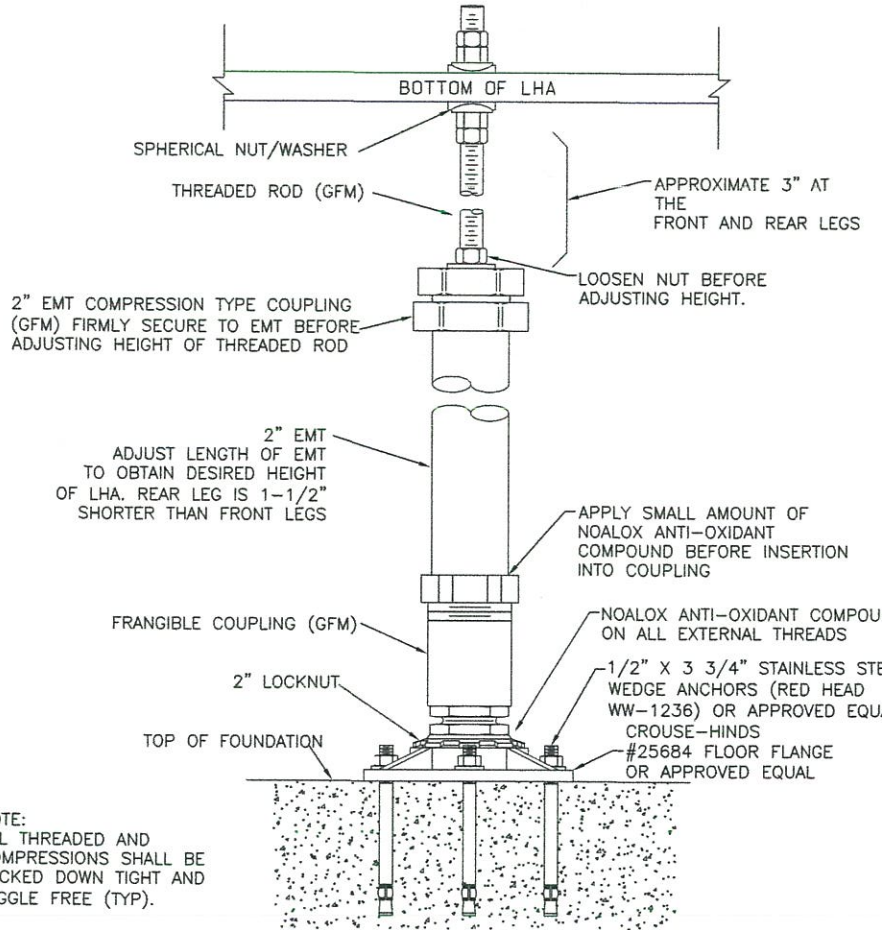
1 LIGHT HOUSING ASSEMBLY PLAN VIEW
94 NTS



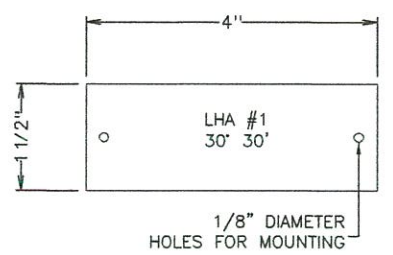
2 LB-WIRING LEG DETAIL
2 REQUIRED AT EACH LHA
94 NTS



3 LIGHT HOUSING ASSEMBLY ELEVATION VIEW
94 NTS



4 EMT LEG DETAIL
3 REQUIRED AT EACH LHA
94 NTS



5 TYPICAL LHA IDENTIFICATION LABEL
94 NTS

- NOTES:
- EACH LHA IS IDENTIFIED BY ITS NUMBER AND AIMING ANGLE SEE SHEET 90 FOR AIMING ANGLE OF EACH LHA.
 - LABELS ARE MADE OF WEATHER-PROOF MATERIAL WITH 7/16\"/>

As-Built



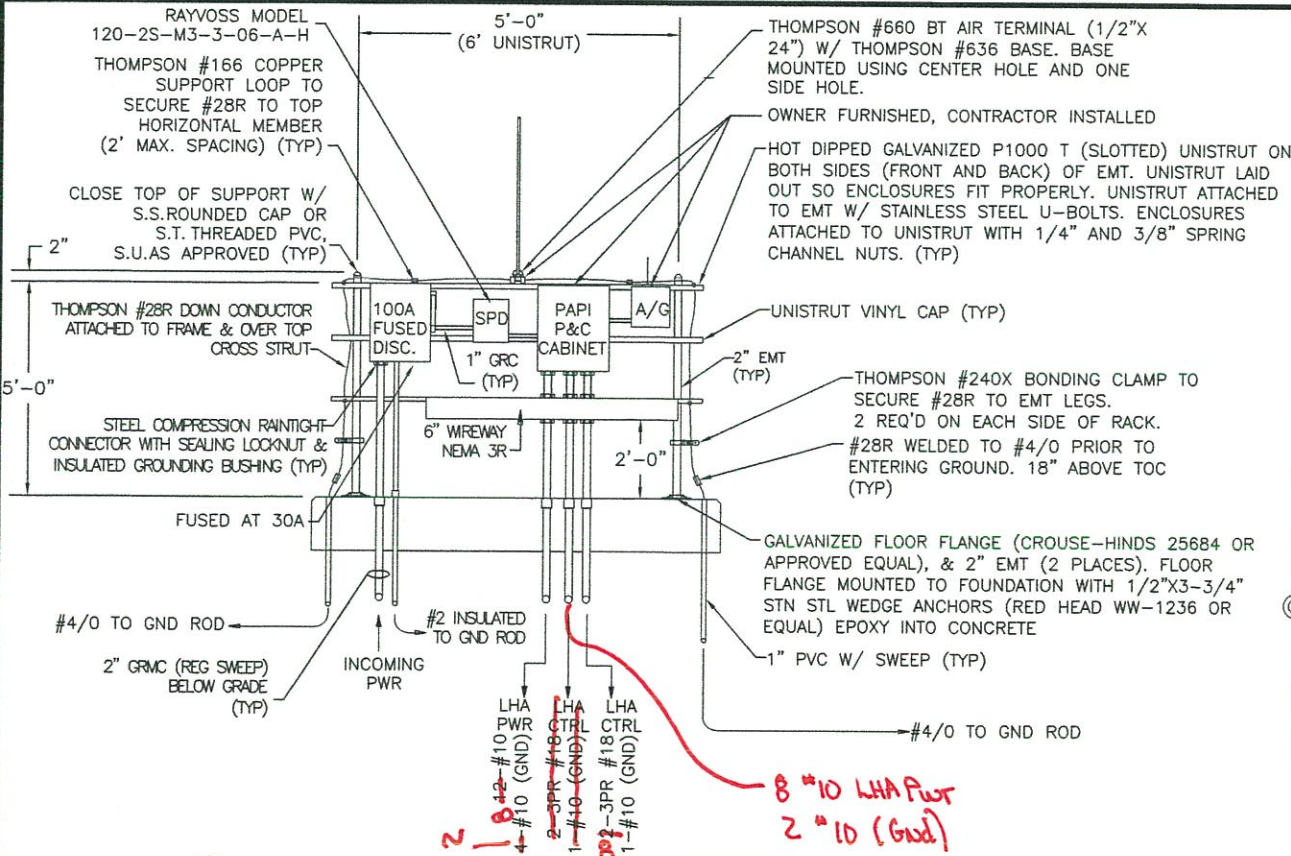
BY	DATE	REVISION

STATE OF ALASKA
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 AND PUBLIC FACILITIES
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COLD BAY AIRPORT
 COLD BAY, ALASKA
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 AIP No. 3-02-0065-XXX
 PAPI DETAILS

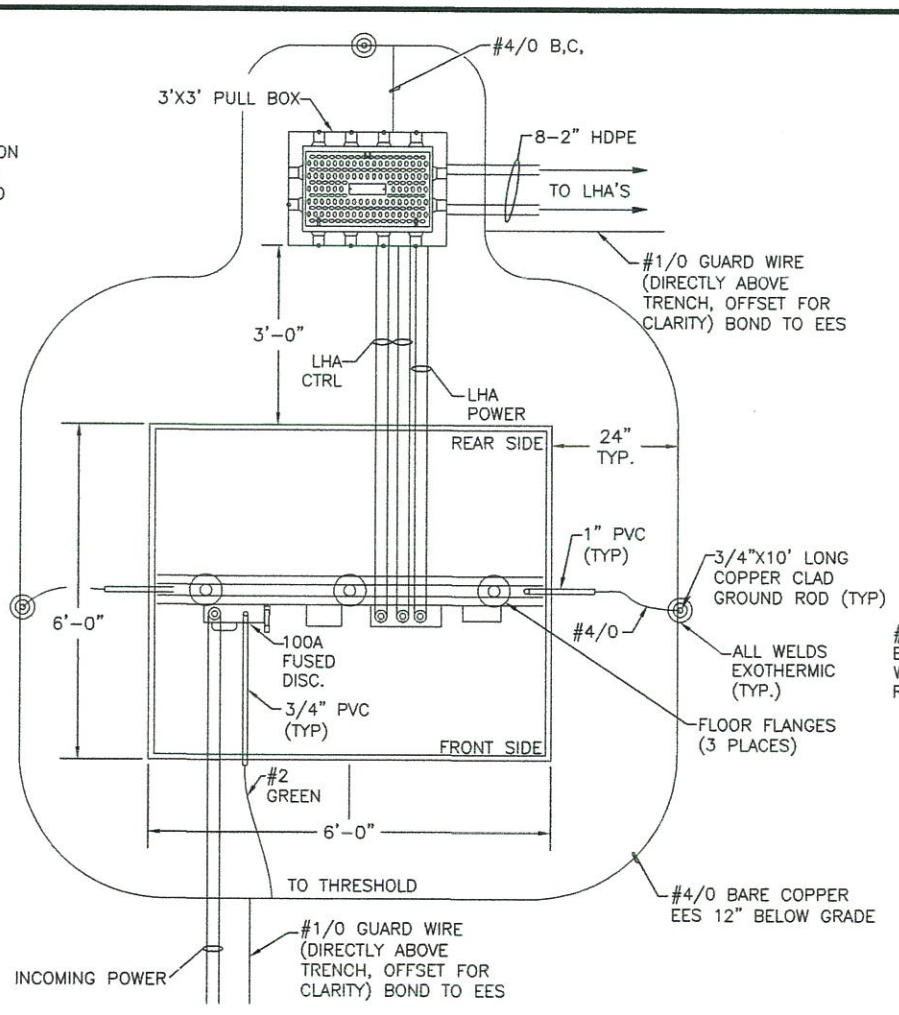
DATE: 05/16/2016
 SHEET: 94 OF 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:53 PM
 Layout Name: E12
 File Path and Name: Z:\10000000 - Cold Bay Airport Crosswind Runway Improvements\Working Drawings\E12.dwg
 Drawn By: GMV
 Checked By: ML

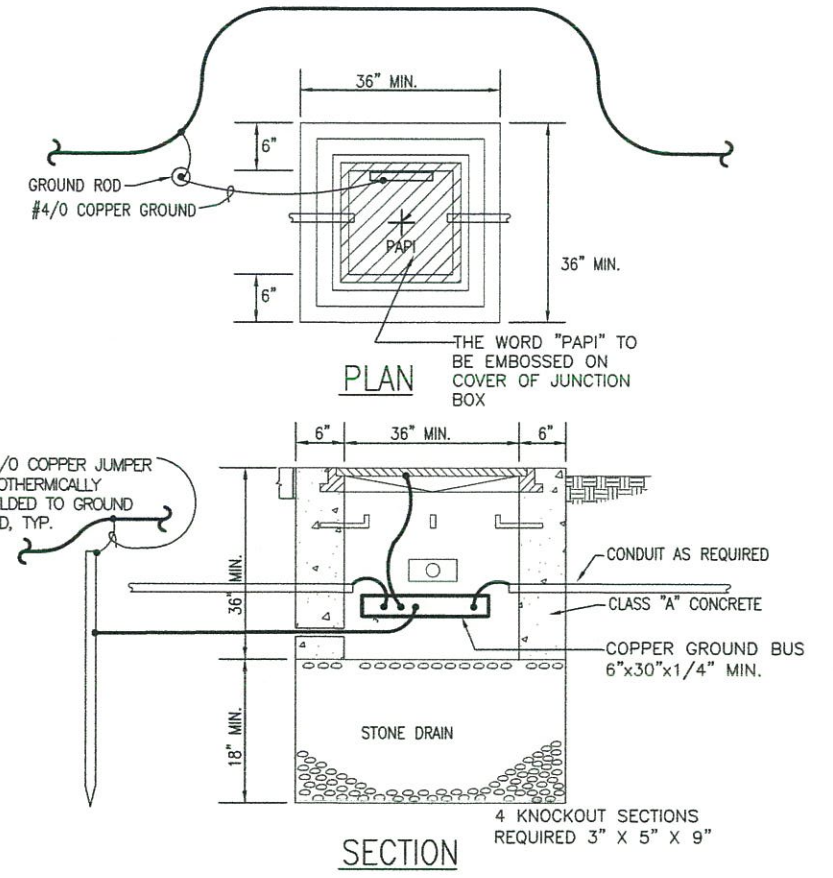


1 POWER & CONTROL STATION - FRONT VIEW

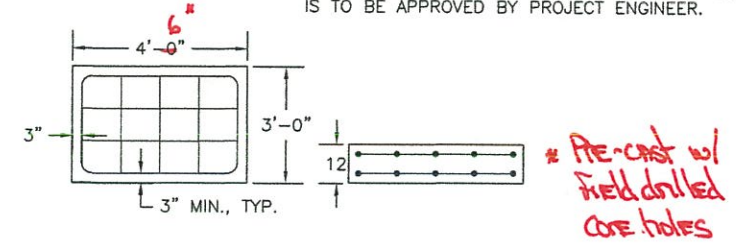
- 95 NTS - OPPOSITE SIDE COMPONENTS NOT SHOWN
- NOTES:
1. ALL THREADED AND COMPRESSION CONNECTIONS SHALL BE LOCKED DOWN TIGHT AND WIGGLE FREE (TYP).
 2. FINAL PLACEMENT OF THE COMPONENTS ON RACK IS TO BE APPROVED BY PROJECT ENGINEER.



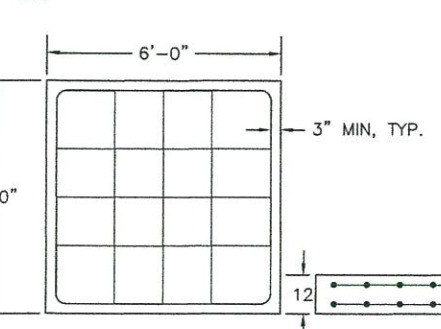
2 POWER & CONTROL STATION PLAN VIEW



3 3'X3'X3' HANDHOLE



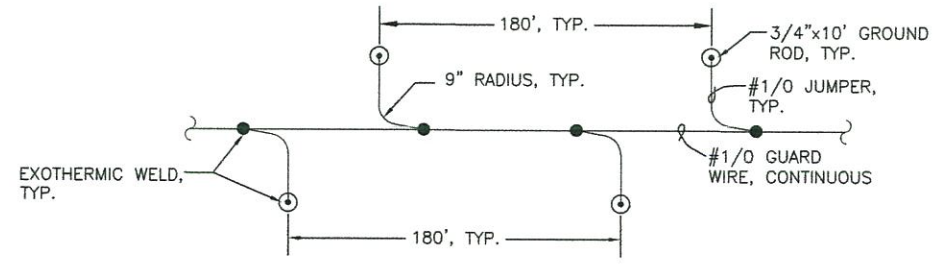
LHA FOUNDATION



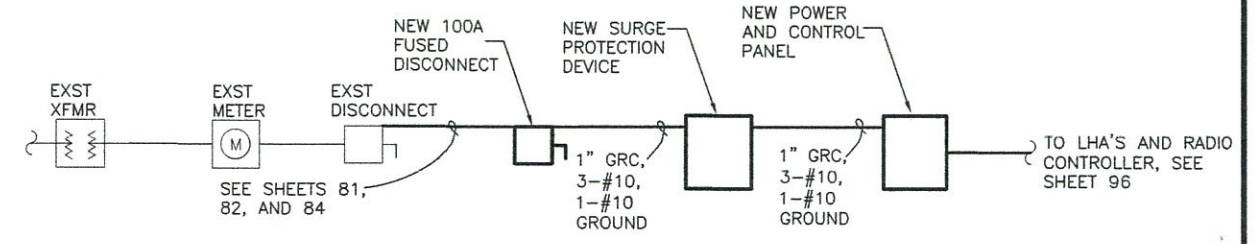
4 REBAR LAYOUT

- 95 NTS
- NOTES:
1. COORDINATE REBAR LAYOUT WITH LOCATION OF FLOOR FLANGES AND PENETRATIONS
 2. #4 REBAR @ 12" O.C. EACH WAY, 3" MINIMUM FROM EDGE OF CONCRETE, TYP.

As-Built



5 GUARD WIRE DETAIL



6 ONE-LINE DIAGRAM



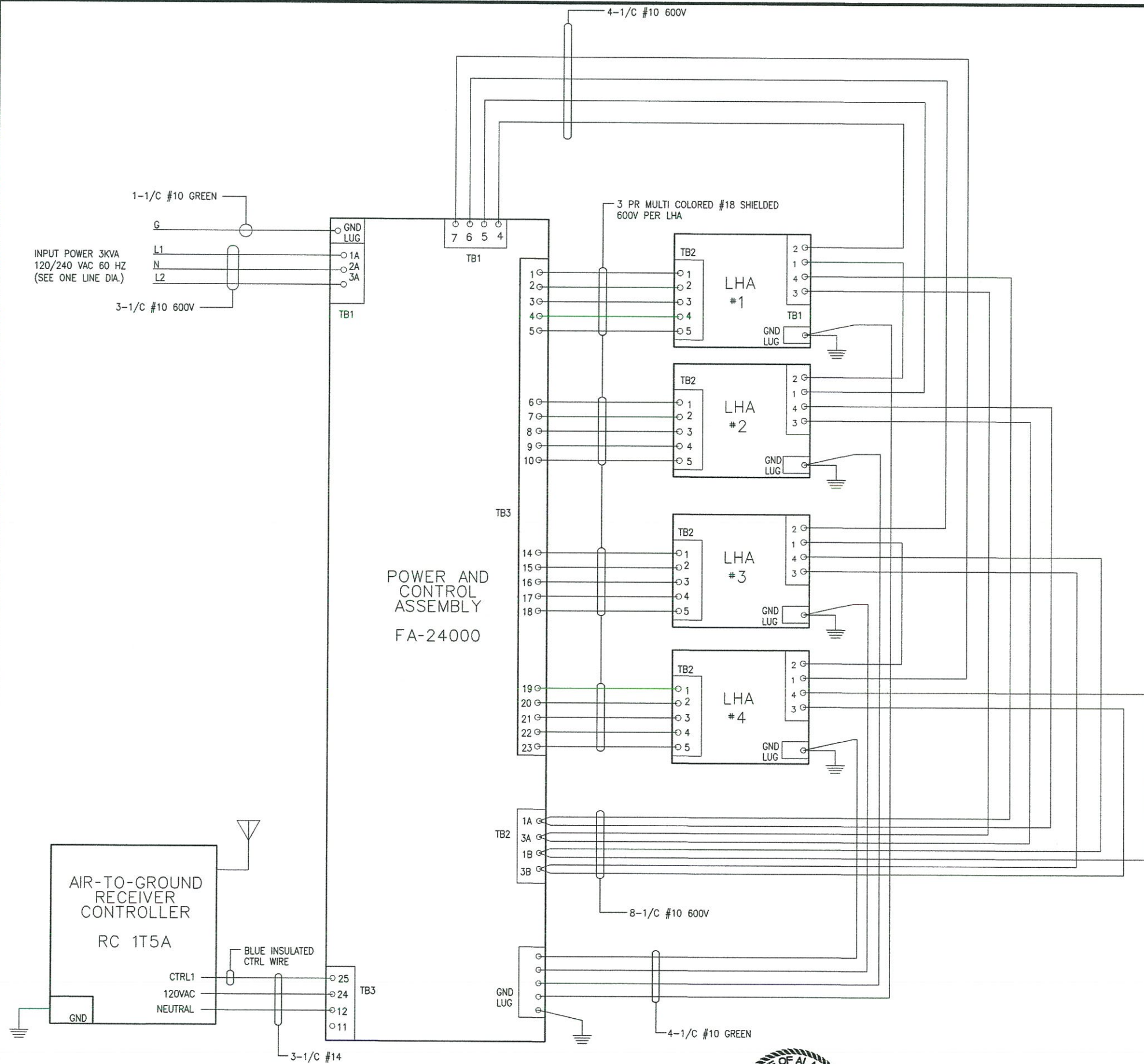
BY	DATE	REVISION

STATE OF ALASKA
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 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 PAPI DETAILS

DATE: 05/16/2016
 SHEET: 95 OF 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:53 PM
 Layout Name: E13
 File Path and Name: Z:\15090000\CB - Cold Bay Airport Crosswind Runway Improvements\E-Working\Drawings\E13.dwg
 Designed By: DMH
 Drawn By: DMH
 Checked By: MIL



- NOTES:
1. ALL ELECTRICAL WORKING SHALL BE IN COMPLIANCE WITH FAA-STD-019e, FAA-C-1217f, AND THE NEC.
 2. UNLESS OTHERWISE INDICATED, ALL POWER CONDUCTORS TO BE INSTALLED BELOW GRADE SHALL BE TYPE THWN-W 600V. CONTROL CABLE SHALL BE SHIELDED, FILLED RODENT RESISTANT COMPLIANT WITH REA SPECIFICATION PE-39 AND SUITABLE FOR DIRECT BURIAL (BELDON 105 183 123 OR EQUAL). CONDUCTORS NO. 10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS NO. 8 AWG AND LARGER SHALL BE STRANDED (UNLESS INDICATED OTHERWISE). COLOR CODING OF THE CONDUCTOR'S INSULATION SHALL BE CONTINUOUS, EXCEPT THAT FOR CONDUCTORS NO.4 AWG AND LARGER MAY BE COLOR CODED WITH TAPE. HALF LAPPED FOR A MINIMUM LENGTH OF 3 INCHES, EVERY 3 FEET WHERE ACCESSIBLE (PULL BOXES CABINETS, ETC.)
 3. ALL RMC INSTALLED BELOW GRADE IS COATED PER 1217f USING SCOTCHRAP 50 OR EQUIVALENT.
 4. UNLESS OTHERWISE INDICATED, ALL HDPE SHALL BE SCHEDULE 40 AND ALL BENDS SHALL BE LONG SWEEP (24" MIN RADIUS FOR 2" HDPE).
 5. UNDERGROUND CONDUITS SHALL BE INSTALLED SO THAT NO WATER CAN BE TRAPPED IN THE RACEWAY (WATER MUST BE ABLE TO DRAIN OUT OF ONE END).
 6. ALL METALLIC NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT SHALL BE GROUNDED WITH AN EQUIPMENT GROUNDING CONDUCTOR WHETHER OR NOT SHOWN ON THE DRAWINGS.
 7. AN EQUIPMENT GROUNDING CONDUCTOR (GREEN INSULATED) SHALL ACCOMPANY THE WIRES IN EACH CONDUIT WHETHER OR NOT SHOWN ON THESE DRAWINGS. EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED AS SHOWN OR PER NEC TABLE 250.122 (2011 NEC), WHICHEVER IS LARGER.
 8. INSTALL AN INSULATED GROUNDING BUSHING AT THE ENDS OF GRMC. ATTACH A BONDING JUMPER FROM THE BUSHING TO THE EQUIPMENT GROUND PER FAA-STD-019e.
 9. INSTALL #1/0 BARE COPPER GUARD WIRE ABOVE CABLE TRENCH AND BOND TO 3/4"X10' COPPER CLAD GROUND RODS PLACED APPROXIMATELY 90' APART (VARY SPACING 10-20% TO PREVENT RESONANCE). ALL CONNECTIONS TO GROUND RODS SHALL BE EXOTHERMIC.
 10. CABLE TAGGING IN PULLBOXES SHALL BE PER FAA-C-1391C, 5.11.1 OR AS APPROVED. ELSE WHERE CONDUCTOR IDENTIFICATION SHALL BE PROVIDED WITHIN EACH ENCLOSURE WHERE A TAP, SPLICE OR TERMINATION IS MADE, USE APPROVED WEATHER PROOF SHRINK EMBOSSED LABELS TO CONDUCTORS AT TERMINATION POINTS. AT A MINIMUM, IDENTIFY EACH CONDUCTOR WITH THE NUMBER OF THE PIN OR LUG AND TERMINAL BLOCK ON WHICH IT TERMINATES.
 11. ABSOLUTELY NO SPLICES EXCEPT WHERE APPROVED. ALL SPLICES SHALL BE INSULATED TO A LEVEL EQUAL TO THAT OF THE FACTORY INSULATED CONDUCTORS. COMPRESSION CONNECTORS SHALL BE USED TO SPLICE CONDUCTORS NO.8 AWG AND LARGER. BELOW GRADE SPLICE SHALL BE MADE ONLY IN PULL BOXES AND HANDHOLE AS APPROVED. UNLESS OTHERWISE INDICATED, SPLICES SHALL BE COVERED WITH RUBBER SPLICING TAPE / HEAVY-WALL, SELF-SEALING, HEAT-SHRINKABLE TUBING / AND SKOTCHKOTE ELECTRICAL COATING. SPLICES SHALL BE MADE TOTALLY WATERPROOF.
 12. USE SHIELD BOND CONDUCTORS (3M PART #4460S) TO GROUND THE OVERALL SHIELD OF THE CONTROL CABLE AT EACH END. UNUSED EXTRA CONTROL WIRES SHALL BE TIED TOGETHER AND CONNECTED TO GROUND AT EACH END.
 13. MAINTAIN AT LEAST A SIX INCH SEPARATION BETWEEN POWER AND CONTROL CONDUITS WHERE POSSIBLE.
 14. A PEDESTAL LUG FOR 8 CONDUCTORS (ILSCO PED-8-250) SHALL BE INSTALLED TO THE BACK PLATE IN THE POWER AND CONTROL CABINET TO ACCOMMODATE ADDITIONAL GROUND WIRES IF NEEDED.
 15. IDENTIFY EACH CONTROL CABLE THAT ENTERS THE POWER & CONTROL CABINET ACCORDING TO THE LHA WHERE IT TERMINATES USING PRINTED HEAT SHRINK LABELS.

As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. Z573290000
 AIP No. 3-02-0065-XXX
 PAPI DETAILS

DATE: 05/16/2016
 SHEET: 96 OF 97
 AS-BUILT SHEET:

Date Revised: 5/16/2016, 3:53 PM
 Layout Name: E10
 File Path and Name: Z:\150300BC - Cold Bay Airport, Crosswind Runway Improvements\Drawings\Drawings\EL.dwg
 Drawn By: GAY
 Checked By: MLL

NUMBER	COLOR	TYPE	LAMP	XFMR	STATION	OFFSET	CIRCUIT	REMARKS
E 1	G/R	L-862E	200	200	72+10.00	85.00 R	R/W 8-26	R-2
E 2	G/R	L-862E	200	200	72+10.00	75.00 R	R/W 8-26	R-2
E 3	G/R	L-862E	200	200	72+10.00	65.00 R	R/W 8-26	R-2
E 4	G/R	L-862E	200	200	72+10.00	55.00 R	R/W 8-26	R-2
E 5	G/R	L-862E	200	200	72+10.00	55.00 L	R/W 8-26	R-2
E 6	G/R	L-862E	200	200	72+10.00	65.00 L	R/W 8-26	R-2
E 7	G/R	L-862E	200	200	72+10.00	75.00 L	R/W 8-26	R-2
E 8	G/R	L-862E	200	200	72+10.00	85.00 L	R/W 8-26	R-2
E 9					71+22.50	85.00 L	R/W 8-26	R-2 Not Used
E 10	W/Y	L-862	150	150	71+22.50	85.00 R	R/W 8-26	R-2
E 11	W/Y	L-850C (2)105	200		69+30.00	85.00 L	R/W 8-26	R-2
E 12	W/Y	L-862	150	150	69+30.00	85.00 R	R/W 8-26	R-2
E 13	W/Y	L-862	150	150	67+37.50	85.00 L	R/W 8-26	R-2
E 14	W/Y	L-862	150	150	67+37.50	85.00 R	R/W 8-26	R-2
E 15	W/Y	L-862	150	150	65+45.00	85.00 L	R/W 8-26	R-2
E 16	W/Y	L-862	150	150	65+45.00	85.00 R	R/W 8-26	R-2
E 17	W/Y	L-862	150	150	63+52.50	85.00 L	R/W 8-26	R-2
E 18	W/Y	L-862	150	150	63+52.50	85.00 R	R/W 8-26	R-2
E 19	W/Y	L-862	150	150	61+60.00	85.00 L	R/W 8-26	R-2
E 20	W/Y	L-862	150	150	61+60.00	85.00 R	R/W 8-26	R-2
E 21	W/Y	L-862	150	150	59+67.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 22	W/Y	L-862	150	150	59+67.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 23	W/Y	L-862	150	150	57+75.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 24	W/Y	L-862	150	150	57+75.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 25	W/Y	L-862	150	150	55+82.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 26	W/Y	L-862	150	150	55+82.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 27	W/Y	L-862	150	150	53+90.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 28	W/Y	L-862	150	150	53+90.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 29	W/W	L-862	150	150	51+97.50	85.00 L	R/W 8-26	R-2
E 30	W/W	L-862	150	150	51+97.50	85.00 R	R/W 8-26	R-2
E 31	W/W	L-862	150	150	50+05.00	85.00 L	R/W 8-26	R-2
E 32					50+05.00	85.00 R	R/W 8-26	R-2 Not Used
E 33					48+12.50	85.00 L	R/W 8-26	R-2 Not Used
E 34	W/W	L-850C (2)105	200		48+12.50	85.00 R	R/W 8-26	R-2
E 35	W/W	L-862	150	150	46+20.00	85.00 L	R/W 8-26	R-2
E 36	W/W	L-862	150	150	46+20.00	85.00 R	R/W 8-26	R-2
E 37	W/W	L-862	150	150	44+27.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 38	W/W	L-862	150	150	44+27.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 39	Y/W	L-862	150	150	42+35.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 40	Y/W	L-862	150	150	42+35.00	85.00 R	R/W 8-26	R-2 Not Used
E 41	Y/W	L-862	150	150	40+42.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 42	Y/W	L-862	150	150	40+42.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 43	Y/W	L-862	150	150	38+50.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 44	Y/W	L-862	150	150	38+50.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 45	Y/W	L-862	150	150	36+57.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 46	Y/W	L-862	150	150	36+57.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 47	Y/W	L-862	150	150	34+65.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 48	Y/W	L-862	150	150	34+65.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 49	Y/W	L-862	150	150	32+72.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 50	Y/W	L-862	150	150	32+72.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 51	Y/W	L-862	150	150	30+80.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 52	Y/W	L-862	150	150	30+80.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 53	Y/W	L-862	150	150	28+87.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 54	Y/W	L-862	150	150	28+87.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 55	Y/W	L-862	150	150	26+95.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 56	Y/W	L-862	150	150	26+95.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 57	Y/W	L-862	150	150	25+02.50	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 58	Y/W	L-862	150	150	25+02.50	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 59	Y/W	L-862	150	150	23+10.00	85.00 L	R/W 8-26	R-2 Fixture and Transformer Only
E 60	Y/W	L-862	150	150	23+10.00	85.00 R	R/W 8-26	R-2 Fixture and Transformer Only
E 61	R/G	L-862E	200	200	22+90.00	85.00 R	R/W 8-26	R-2
E 62	R/G	L-862E	200	200	22+90.00	75.00 R	R/W 8-26	R-2
E 63	R/G	L-862E	200	200	22+90.00	65.00 R	R/W 8-26	R-2
E 64	R/G	L-862E	200	200	22+90.00	55.00 R	R/W 8-26	R-2
E 65	R/G	L-862E	200	200	22+90.00	55.00 L	R/W 8-26	R-2
E 66	R/G	L-862E	200	200	22+90.00	65.00 L	R/W 8-26	R-2
E 67	R/G	L-862E	200	200	22+90.00	75.00 L	R/W 8-26	R-2
E 68	R/G	L-862E	200	200	22+90.00	85.00 L	R/W 8-26	R-2
E 69	Blue	L-861T	15	10/15	71+70.04	88.00 L	R/W 8-26	R-2
E 70	Blue	L-861T	15	10/15	71+70.04	93.00 L	R/W 8-26	R-2
E 71	Blue	L-861T	15	10/15	71+57.52	157.99 L	R/W 8-26	R-2 Fixture and Transformer Only
E 72	Blue	L-861T	15	10/15	71+26.36	202.05 L	R/W 8-26	R-2 Fixture and Transformer Only
E 73	Blue	L-861T	15	10/15	70+80.63	230.47 L	R/W 8-26	R-2 Fixture and Transformer Only
E 74	Blue	L-861T	15	10/15	70+27.41	240.16 L	R/W 8-26	R-2 Fixture and Transformer Only
E 75	Blue	L-861T	15	10/15	69+74.45	228.80 L	R/W 8-26	R-2 Fixture and Transformer Only
E 76	Blue	L-861T	15	10/15	69+31.05	198.97 L	R/W 8-26	R-2 Fixture and Transformer Only
E 77	Blue	L-861T	15	10/15	68+74.65	144.72 L	R/W 8-26	R-2 Fixture and Transformer Only
E 78	Blue	L-861T	15	10/15	68+10.85	93.00 L	R/W 8-26	R-2
E 79	Blue	L-861T	15	10/15	68+10.85	88.00 L	R/W 8-26	R-2

As-Built



PLAN PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CENTRAL REGION

COLD BAY AIRPORT
 COLD BAY, ALASKA
 CROSSWIND IMPROVEMENTS
 PROJECT No. 2573290000
 AIP No. 3-02-0065-XXX
 RW 8-26
 EDGE LIGHT SCHEDULES

DATE: 05/16/2016
 SHEET: 97 of 97
 AS-BUILT SHEET: