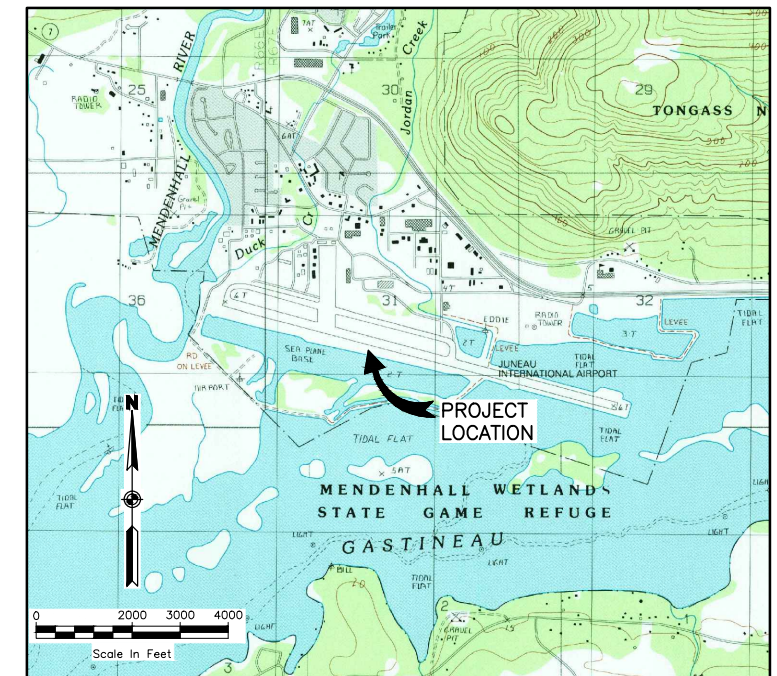
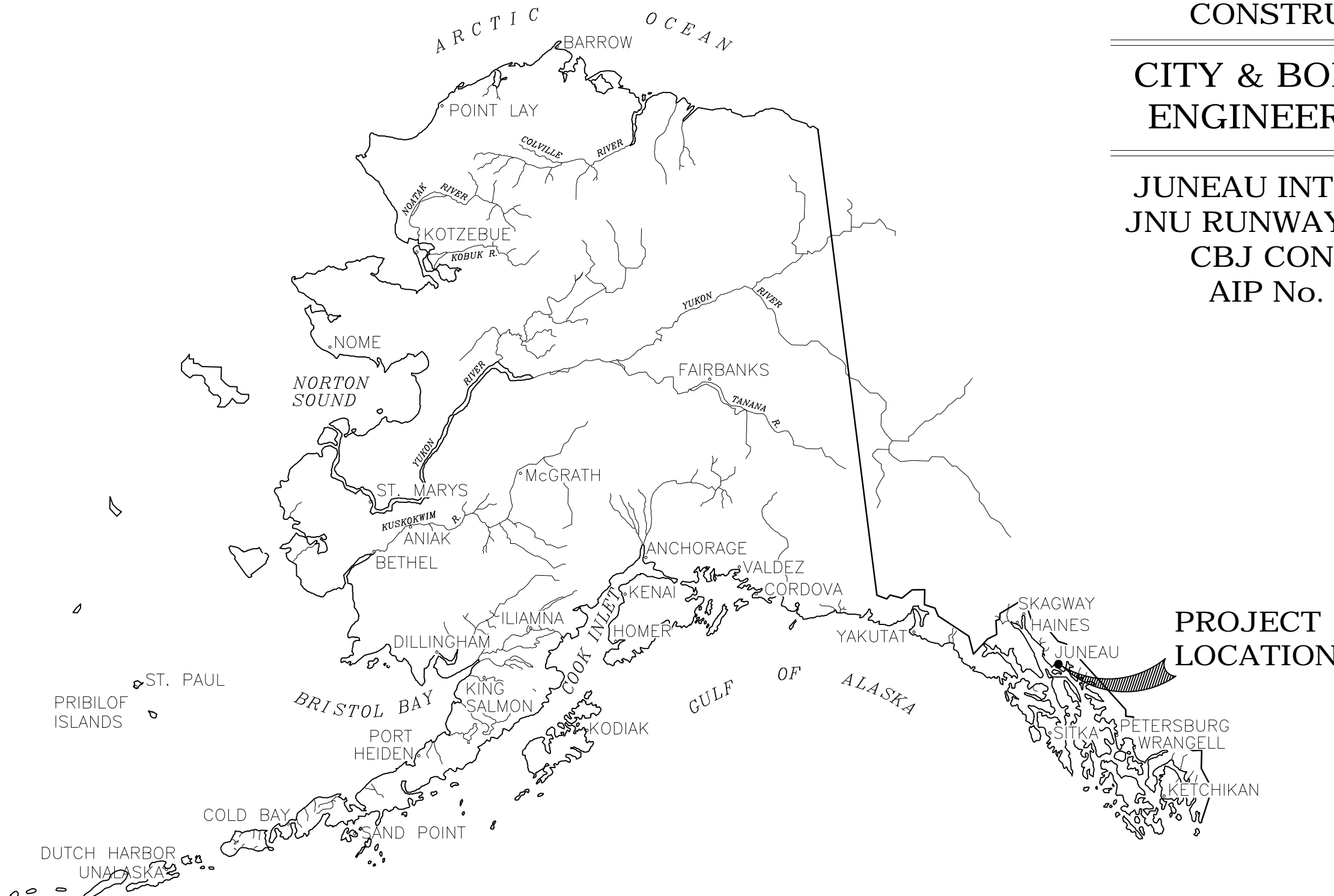


U:\204700278\420300\Draws\CAs-Built\Sheets\420300-JNU-C01-Cover.dwg
 File: U:\204700278\420300\Draws\CAs-Built\Sheets\420300-JNU-C01-Cover.dwg
 Script File: May 27, 2016 3:14pm
 Plot Date: May 27, 2016 3:14pm
 Designed By: RPK
 Checked By: ZWS&JL
 Drawn By: MM

CONSTRUCTION PLANS FOR CITY & BOROUGH OF JUNEAU ENGINEERING DEPARTMENT

JUNEAU INTERNATIONAL AIRPORT JNU RUNWAY 8/26 REHABILITATION CBJ CONTRACT No. E14-259 AIP No. 3-02-0133-60-2014



VICINITY MAP
 T 40S, R 67E, SEC 31, 32
 T 40S, R 66E, SEC 36
 COPPER RIVER MERIDIAN
 USGS JUNEAU (B-2) 1986 SW, ALASKA

USKH ARCHITECTURE • ENGINEERING
 LAND SURVEYING • PLANNING



ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By: *[Signature]* Date: 5/27/16

ABBREVIATIONS

AIP	AIRPORT IMPROVEMENT PROJECT
AOA	AIRCRAFT OPERATIONS AREA
APPROX	APPROXIMATE/APPROXIMATELY
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM
BMP	BEST MANAGEMENT PRACTICE
BRL	BUILDING RESTRICTION LINE
CL	CENTERLINE
CABC	CRUSHED AGGREGATE BASE COURSE
CBMH	CATCH BASIN MANHOLE
CMP	CORRUGATED METAL PIPE
CPEP	CORRUGATED POLYETHYLENE PIPE
CS	CONTINGENT SUM
CY	CUBIC YARD
DIA	DIAMETER
E	EAST/EASTING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
ESCP	EROSION AND SEDIMENT CONTROL PLAN
FAA	FEDERAL AVIATION ADMINISTRATION
FOD	FOREIGN OBJECT DEBRIS
F-I	FURNISH AND INSTALL
FT	FOOT/FEET
HELO	HELICOPTER
HMA	HOT MIX ASPHALT
INV	INVERT ELEVATION
JAWS	JUNEAU AIRPORT WIND SYSTEM
LDIN	LEAD IN SYSTEM
LF	LINEAR FOOT
LS	LUMP SUM
LT	LEFT
MALS	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM
MALSF	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH FLASHERS
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH/NORTHING
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NIC	NOT IN CONTRACT
NOTAM	NOTICE TO AIRMEN
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
OFA	OBJECT FREE AREA
OFF	OFFSET
OFZ	OBJECT FREE ZONE
PAPI	PRECISION APPROACH PATH INDICATOR
PC	POINT OF CURVE
PI	POINT OF INTERSECTION
POT	POINT ON TANGENT
PS&E	PLANS, SPECIFICATIONS, AND ESTIMATE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RAP	RECYCLED ASPHALT PAVEMENT
REIL	RUNWAY END IDENTIFIER LIGHTS
RP	RADIUS POINT
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SREB	SNOW REMOVAL EQUIPMENT BUILDING
STA	STATION
SY	SQUARE YARD
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
VASI	VISUAL APPROACH SLOPE INDICATOR
VC	VERTICAL CURVE

ABBREVIATIONS NOTE

SEE SHEET E1 FOR ELECTRICAL ABBREVIATIONS.

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date *5/27/16*

LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	AIRPORT BOUNDARY
		ASPHALT PAVEMENT & SHOULDER
		BUILDING
		CATV PEDESTAL
		COMMUNICATION LINE
		COMMUNICATION TOWER
		CONCRETE
		CONTOUR LINE
		DRAINAGE FLOW ARROW
		EDGE OF GRAVEL
		EDGE OF PAVEMENT
		ELECTRICAL BOX
		ELECTRICAL LINE
		ELECTRICAL MANHOLE
		ELECTRICAL METER
		ELECTRICAL PEDESTAL
		ELECTRICAL TRANSFORMER
		FENCE POST/STEEL BOLLARD
		FENCE, CHAIN LINK
		FUEL/GAS TANK
		GUARD RAIL
		HAUL ROUTE
		POWER/UTILITY POLE WITH GUY ANCHOR
		RUNWAY 20 TO 1 SLOPE VISUAL APPROACH
		RUNWAY APPROACH LIGHT (MALS/R/MALS)
		RUNWAY JAWS (AIR/GROUND WEATHER)
		RUNWAY REIL
		RUNWAY RVR (NAVIGATION AID)
		RUNWAY VASI
		RUNWAY OBJECT FREE AREA
		RUNWAY OBJECT FREE ZONE
		RUNWAY PROTECTION ZONE
		RUNWAY SAFETY AREA
		RUNWAY SIGNS (LIGHTED)
		TAXIWAY SAFETY AREA
		RUNWAY/TAXIWAY LIGHT
		SEWER LIFT STATION
		SEWER LINE
		SEWER MANHOLE
		SHORE LINE
		SIGN
		STORM DRAIN CULVERT
		STORM DRAIN INLET/CATCH BASIN
		STORM DRAIN MANHOLE
		STORM DRAIN PIPE
		SWALE/DITCH FLOW LINE
		TELEPHONE PEDESTAL
		WATER BODY
		WATER FIRE HYDRANT
		WATER LINE
		WATER VALVE
		WIND CONE

LEGEND NOTES

- SOME SHEETS CONTAIN SHEET SPECIFIC LEGEND.
- SEE SHEET C5 FOR SURVEY CONTROL LEGEND.
- SEE SHEET E1 FOR ELECTRICAL LEGEND.

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

SHEET INDEX

SHEET No.	SHEET TITLE
CIVIL	
C1	COVER SHEET
C2	LEGEND AND SHEET INDEX
C3	PROJECT ALIGNMENT TABLES
C4	ESTIMATED QUANTITIES
C4A	CHANGE ORDERS
C5	SURVEY CONTROL
C6	PROJECT LAYOUT PLAN
C7	GENERAL SAFETY PLAN
C8	CONSTRUCTION SAFETY & PHASING PLAN PHASE 1
C9	CONSTRUCTION SAFETY & PHASING PLAN PHASE 2
C10	CONSTRUCTION SAFETY & PHASING PLAN PHASE 3
C11	SAFETY PLAN DETAILS
C12	TYPICAL SECTIONS
C13	TYPICAL SECTIONS
C14	TYPICAL SECTIONS
C15	RUNWAY 8-26 PLAN AND PROFILE STA -0+80 TO 11+50
C16	RUNWAY 8-26 PLAN AND PROFILE STA 11+50 TO 25+50
C17	RUNWAY 8-26 PLAN AND PROFILE STA 25+50 TO 39+50
C18	RUNWAY 8-26 PLAN AND PROFILE STA 39+50 TO 53+50
C19	RUNWAY 8-26 PLAN AND PROFILE STA 53+50 TO 67+50
C20	RUNWAY 8-26 PLAN AND PROFILE STA 67+50 TO 81+50
C21	RUNWAY 8-26 PLAN AND PROFILE STA 81+50 TO 90+17.00
C22	TAXIWAY B1 PLAN AND PROFILE & GRADING PLAN
C23	TAXIWAY H PLAN AND PROFILE
C24	TAXIWAY A - SOUTH DITCH
C25	NORTH SEAPLANE BASE ROAD PLAN AND PROFILE
C26	ACCESS ROAD PLAN AND PROFILE STA 9+11.10 TO 19+50
C27	ACCESS ROAD PLAN AND PROFILE STA 19+50 TO 31+17.34
C28	FLOAT POND ACCESS ROAD PLAN AND PROFILE STA 50+00 TO 59+88.94
C28A	FLOAT PLANE TUG ROAD
C29	FLOAT POND DRAINAGE PLAN AND PROFILE
C30	JORDAN CREEK PLAN AND PROFILE
C31	JORDAN CREEK TRENCH SECTION
C32	JORDAN CREEK CULVERT DETAILS
C33	JORDAN CREEK CULVERT NOTES
C34	GA TIEDOWNS-HELICOPTER POINTS 901-986
C35	PAVING PLANS
C36	APRON AREA PAVING PLANS
C37	DETAILS
C37A	DETAILS
C38	TEMPORARY RUNWAY 26 VASI
C39R	TEMPORARY TAXIWAY H MARKING PLAN STA 602+65 TO 633+00
C39AR	PUSHBACK POSITIONS
C40R	TEMPORARY TAXIWAY H MARKING PLAN STA 633+00 TO 654+01
C41R	TEMPORARY RUNWAY MARKING PLAN
C41AR	TEMPORARY RUNWAY MARKING PLAN
C42	PERMANENT RUNWAY MARKING PLAN
C43R	PERMANENT TAXIWAY MARKING PLAN
C44R	PERMANENT TAXIWAY MARKING PLAN
C45R	PERMANENT TAXIWAY MARKING PLAN
C46R	PERMANENT TAXIWAY MARKING PLAN
C46A	PERMANENT TAXIWAY MARKING PLAN
C46B	ENHANCED CENTERLINE MARKING DETAILS
C46C	ENHANCED CENTERLINE MARKING DETAILS
C46D	TEMPORARY APRON MARKING DEMO STA 602+65 TO 633+00
C46E	TEMPORARY APRON MARKING DEMO STA 633+00 TO 644+01
C46F	TUG ROAD PERMANENT MARKING
C47R	MARKING DETAILS
C47AR	MARKING DETAILS
C48R	MARKING DETAILS
C49	ESCP SITE PLAN
C50	ESCP PHASE I
C51	ESCP PHASE II
C52	ESCP PHASE III
C53	COASTAL HELI-PAD GRADING PLAN
C54	ROCK STOCKPILE PLACEMENT
C55	HARDSTAND MARKING PLAN
C56	HARDSTAND MARKING DETAILS

SHEET INDEX

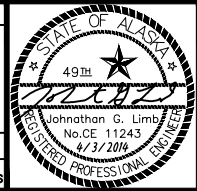
SHEET No.	SHEET TITLE
ELECTRICAL	
E1	ELECTRICAL LEGEND AND NOTES
E2	NAVAID RESPONSIBILITIES AND NOTES
E3	ELECTRICAL PLAN - TEMPORARY EAST END TO RW STA 9+50
E4	ELECTRICAL PLAN - TEMPORARY RW STA 9+50 TO RW STA 24+75
E5	ELECTRICAL PLAN - TEMPORARY RW STA 24+75 TO RW STA 39+50
E6	ELECTRICAL PLAN - TEMPORARY RW STA 39+50 TO RW STA 53+75
E7	ELECTRICAL PLAN - TEMPORARY RW STA 53+75 TO RW STA 66+75
E8	ELECTRICAL PLAN - TEMPORARY RW STA 66+75 TO RW STA 79+75
E9	ELECTRICAL PLAN - TEMPORARY RW STA 79+75 TO WEST END
E10	ELECTRICAL PLAN - DEMOLITION EAST END TO RW STA 9+50
E11	ELECTRICAL PLAN - DEMOLITION RW STA 9+50 TO RW STA 24+75
E12	ELECTRICAL PLAN - DEMOLITION RW STA 24+75 TO RW STA 39+50
E13	ELECTRICAL PLAN - DEMOLITION RW STA 39+50 TO RW STA 53+75
E14	ELECTRICAL PLAN - DEMOLITION RW STA 53+75 TO RW STA 66+75
E15	ELECTRICAL PLAN - DEMOLITION RW STA 66+75 TO RW STA 79+75
E16	ELECTRICAL PLAN - DEMOLITION RW STA 79+75 TO WEST END
E17	ELECTRICAL PLAN - NEW WORK EAST END TO RW STA 9+50
E18	ELECTRICAL PLAN - NEW WORK RW STA 9+50 TO RW STA 24+75
E19	ELECTRICAL PLAN - NEW WORK RW STA 24+75 TO RW STA 39+50
E20	ELECTRICAL PLAN - NEW WORK RW STA 39+50 TO RW STA 53+75
E21	ELECTRICAL PLAN - NEW WORK RW STA 53+75 TO RW STA 66+75
E22	ELECTRICAL PLAN - NEW WORK RW STA 66+75 TO RW STA 79+75
E23	ELECTRICAL PLAN - NEW WORK RW STA 79+75 TO WEST END
E24	LIGHTING DETAILS
E25	SEMI-FLUSH LIGHT DETAILS NEW BOTTOM SECTION
E26	SEMI-FLUSH LIGHT DETAILS EXISTING BOTTOM SECTION
E27	ELECTRICAL DETAILS
E28	ELECTRICAL DETAILS
E29	NAVAID DETAILS
E30	ALCS RISER DIAGRAM
E31	TEMPORARY RUNWAY LIGHT SCHEDULE
E32	RUNWAY AND TAXIWAY EDGE LIGHT SCHEDULES
E33	RUNWAY CENTERLINE LIGHT SCHEDULE
E34	SIGN SCHEDULE
E35	SCHEDULES

SHEET INDEX

SHEET No.	SHEET TITLE
REFERENCE	
JNU-D-VASI-G01	VASI TAXIWAY A/RUNWAY 08/26 COVER SHEET AND DRAWINGS INDEX
JNU-D-VASI-C01	VASI TAXIWAY A/RUNWAY 08/26 SITE PLAN
JNU-S-VASI-C02	VASI TAXIWAY A/RUNWAY 08/26 PLOT PLAN AND SECTION
JNU-D-VASI-C03	VASI TAXIWAY A/RUNWAY 08/26 VASI PLAN VIEW, ELEVATION, DETAIL AND GLIDE PATH AND AIMING ANGLE PROFILE
JNU-D-VASI-C04	VASI TAXIWAY A/RUNWAY 08/26 FOUNDATION PLAN, SECTION, DETAIL AND HANDHOLE PLAN AND SECTION
JNU-D-VASI-E01	VASI TAXIWAY A/RUNWAY 08/26 ELECTRICAL SITE PLAN
JNU-D-VASI-E02	VASI TAXIWAY A/RUNWAY 08/26 ELECTRICAL PLOT PLAN
JNU-D-VASI-E03	VASI TAXIWAY A/RUNWAY 08/26 ELECTRICAL SCHEMATIC DIAGRAM
JNU-D-VASI-E04	VASI TAXIWAY A/RUNWAY 08/26 GROUNDING PLAN, RUNWAY 26 PEDESTAL AND TRENCH DETAIL
JNU-D-VASI-C05	VASI TAXIWAY A/RUNWAY 08/26 ONE LINE DIAGRAM AND PANEL RW 26 SCHEDULE

JGL	6/25/14	CONFORMED DOCUMENTS
JGL	5/27/16	ASBUILTS
BY	DATE	REVISIONS

SCALE	
HORZ.	
VERT.	
W.O. NO.	1420300
MILESTONE Recd. DwgS	

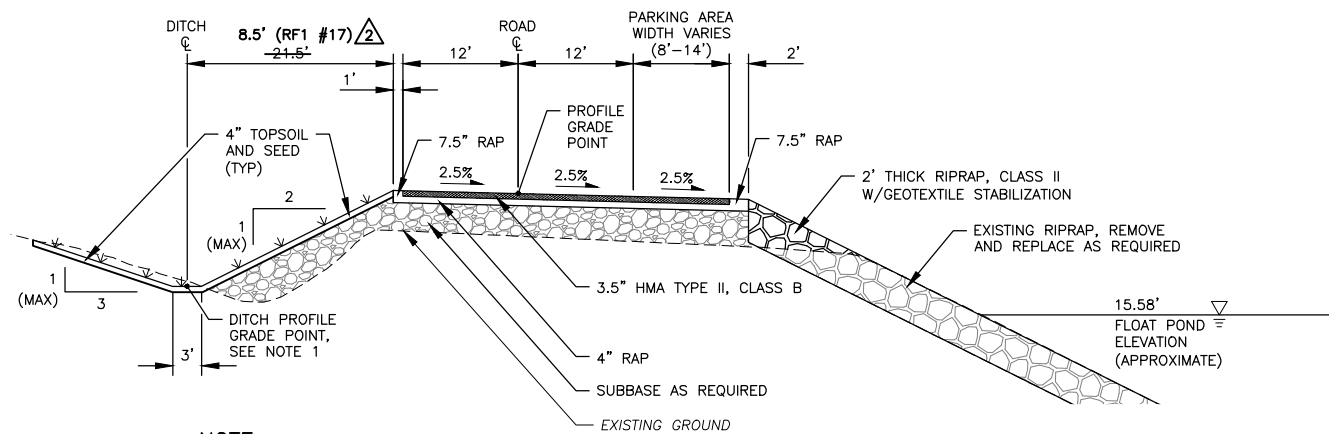


JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
LEGEND AND SHEET INDEX

SHEET
C2
 OF
103

File: U:\204700278\1420300\Drawings\As-Builts\Sheets\1420300-JUN-C13-C14-TypSec.dwg
 May 27, 2016 5:21 pm
 Script File:
 Plot Date:

Designed By: RPK
 Checked By: ZWS & JGL
 Drawn By: MRM & AC



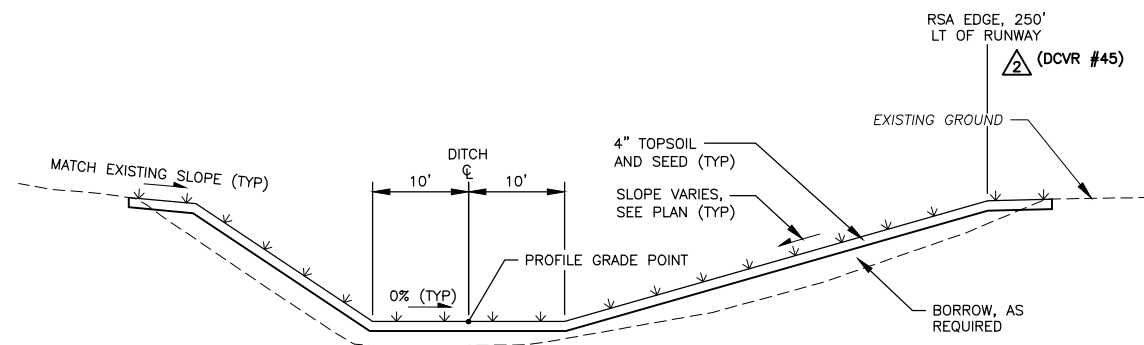
NOTE

- 1. SEE PLAN AND PROFILE SHEET C25.

1 SEA PLANE BASE ROAD
 C14 SCALE: NOT TO SCALE

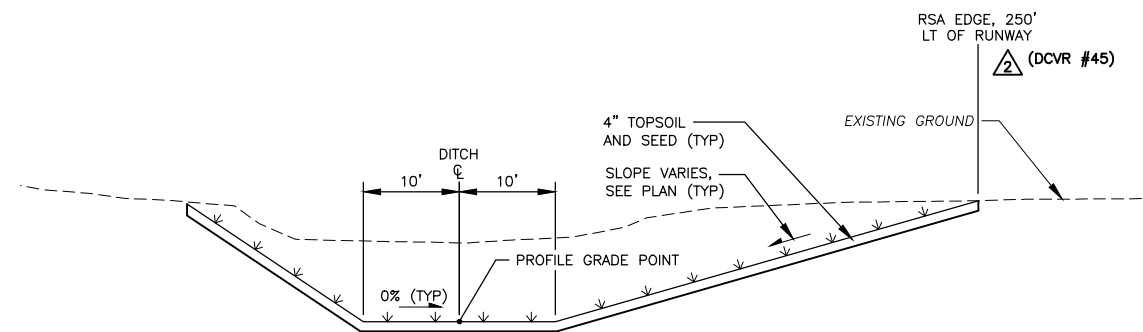
STA 46+12.82 TO STA 48+19.54

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16



2 DITCH - TAXIWAY A (FILL CONDITION)
 C14 SCALE: NOT TO SCALE

SOUTH DITCH STA 420+00 TO STA 431+96.44



2 (DCVR #45)

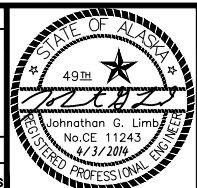
- 1. WARP CUT SLOPE AROUND WIND CONE. TOP OF SLOPE SHALL BE NO CLOSER THAN 12' FROM THE WIND CONE POST.

3 DITCH - TAXIWAY A (CUT CONDITION)
 C14 SCALE: NOT TO SCALE

SOUTH DITCH STA 420+00 TO STA 431+96.44

JGL	6/25/14	CONFORMED DOCUMENTS
JGL	5/27/16	ASBUILTS
BY	DATE	REVISIONS

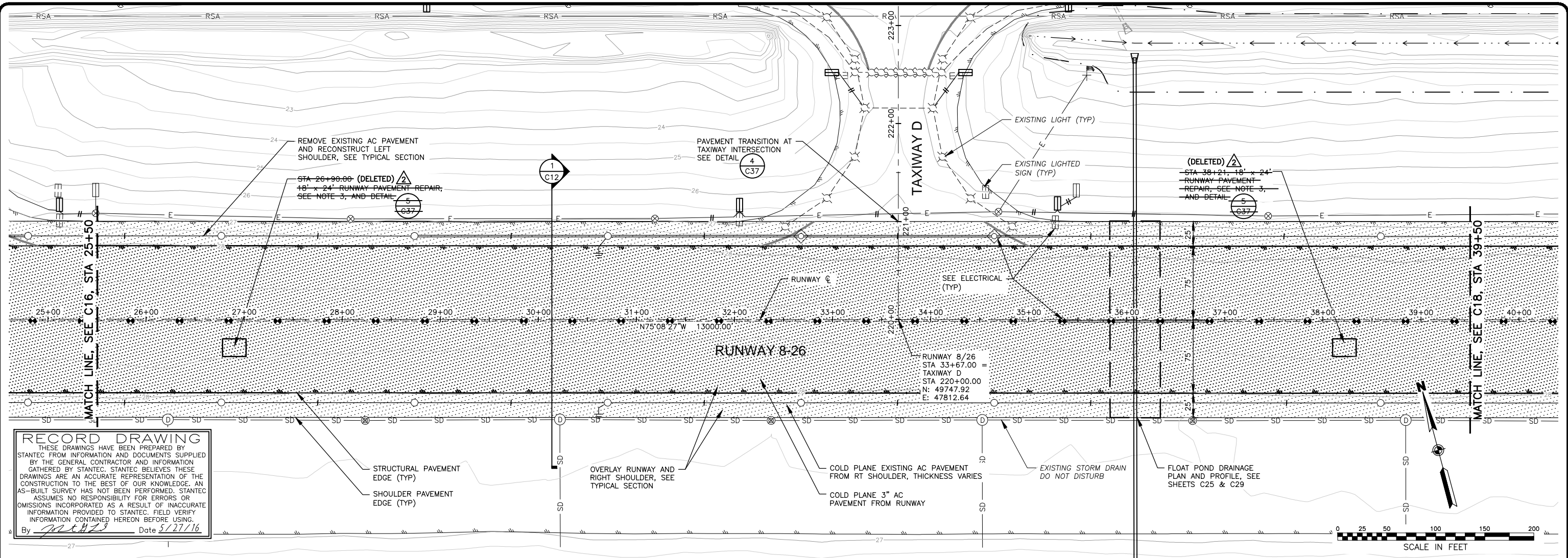
SCALE	
HORZ.	
VERT.	
W.O. NO.	1420300
MILESTONE Recd. Dwgs	



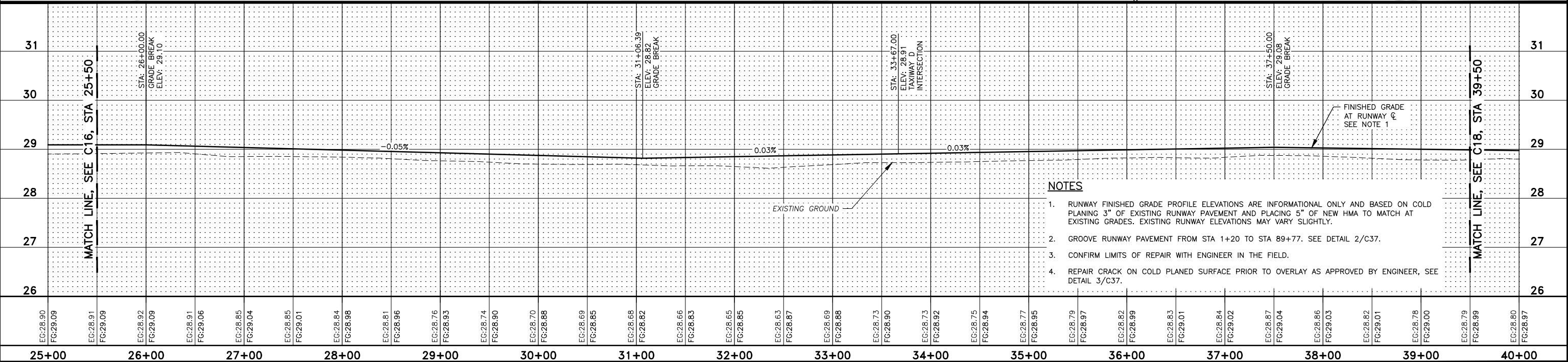
JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
 TYPICAL SECTIONS

SHEET
C14
 OF
 103

File: U:\204700278\1420300\Drawings\As-Builts\Sheets\1420300-JUN-C15-C21-RW-PlanProf.dwg
 Script File: May 27, 2016 5:23pm
 Plot Date: May 27, 2016 5:23pm
 Designed By: RPK
 Checked By: ZWS & JGL
 Drawn By: MRM & AC



RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By: [Signature] Date: 5/27/16



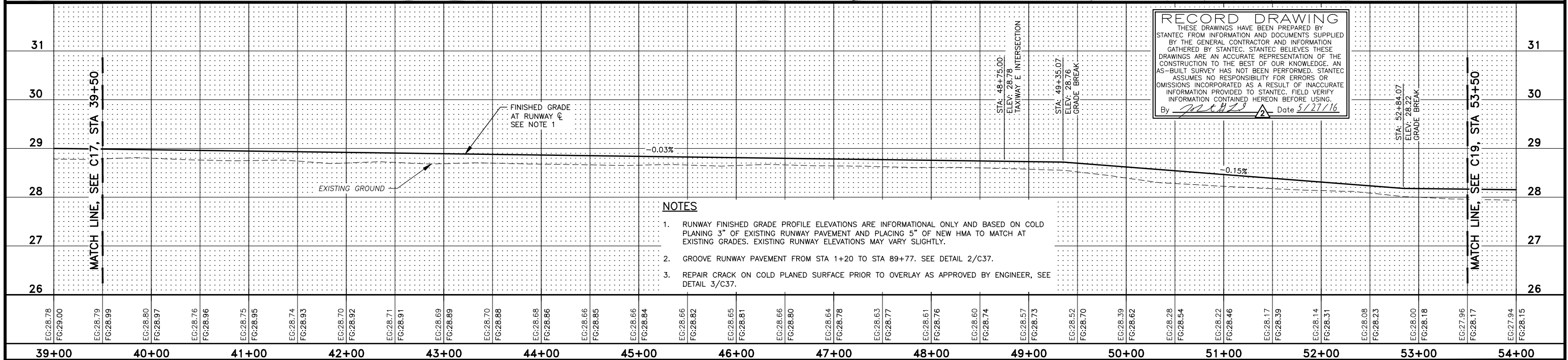
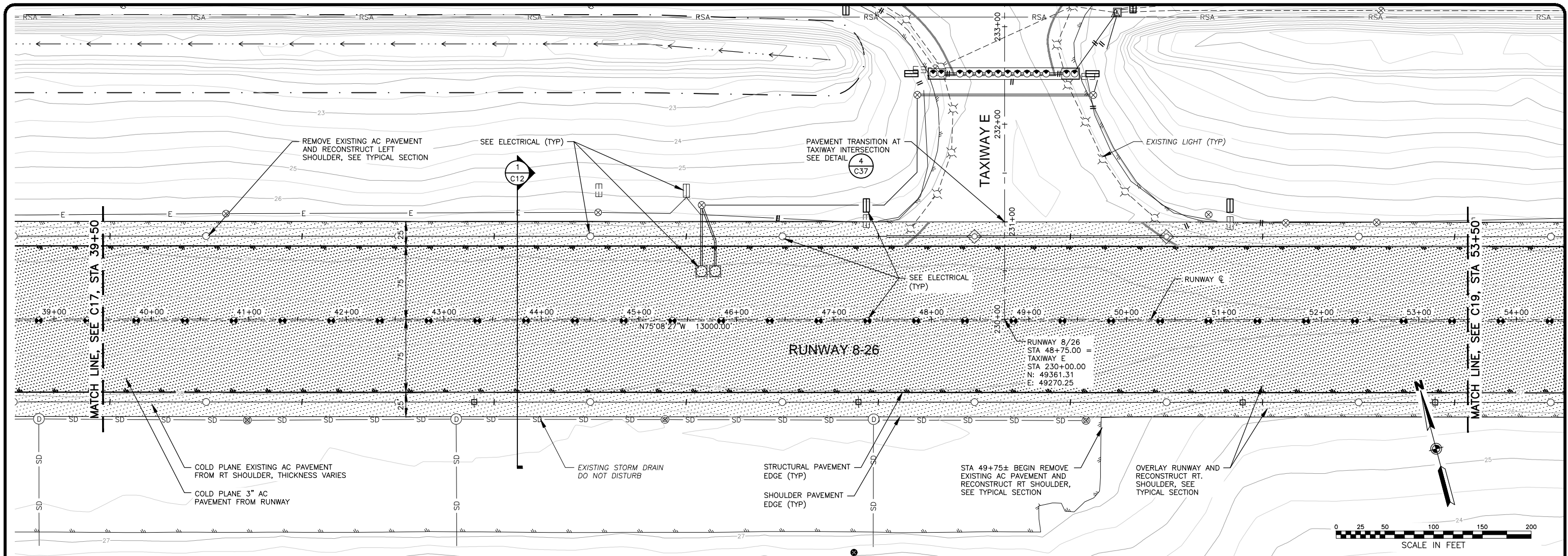
- NOTES**
1. RUNWAY FINISHED GRADE PROFILE ELEVATIONS ARE INFORMATIONAL ONLY AND BASED ON COLD PLANING 3" OF EXISTING RUNWAY PAVEMENT AND PLACING 5" OF NEW HMA TO MATCH AT EXISTING GRADES. EXISTING RUNWAY ELEVATIONS MAY VARY SLIGHTLY.
 2. GROOVE RUNWAY PAVEMENT FROM STA 1+20 TO STA 89+77. SEE DETAIL 2/C37.
 3. CONFIRM LIMITS OF REPAIR WITH ENGINEER IN THE FIELD.
 4. REPAIR CRACK ON COLD PLANED SURFACE PRIOR TO OVERLAY AS APPROVED BY ENGINEER, SEE DETAIL 3/C37.

JGL	6/25/14	CONFORMED DOCUMENTS
JGL	5/27/16	ASBUILTS
SCALE		
HORZ.		
VERT.		
W.O. NO.	1420300	
BY	DATE	REVISIONS

JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
RUNWAY 8-26 PLAN AND PROFILE
 STA 25+50 TO 39+50




SHEET
C17
 OF
 103

File: U:\204700278\1420300\Draws\CAs-Builts\Sheets\1420300-JUN-C15-C21-RW-PlanProf.dwg
 Script File: May 27, 2016 - 5:23pm
 Plot Date: May 27, 2016 - 5:23pm
 Designed By: RBK
 Checked By: ZWS & JGL
 Drawn By: MRM & AC

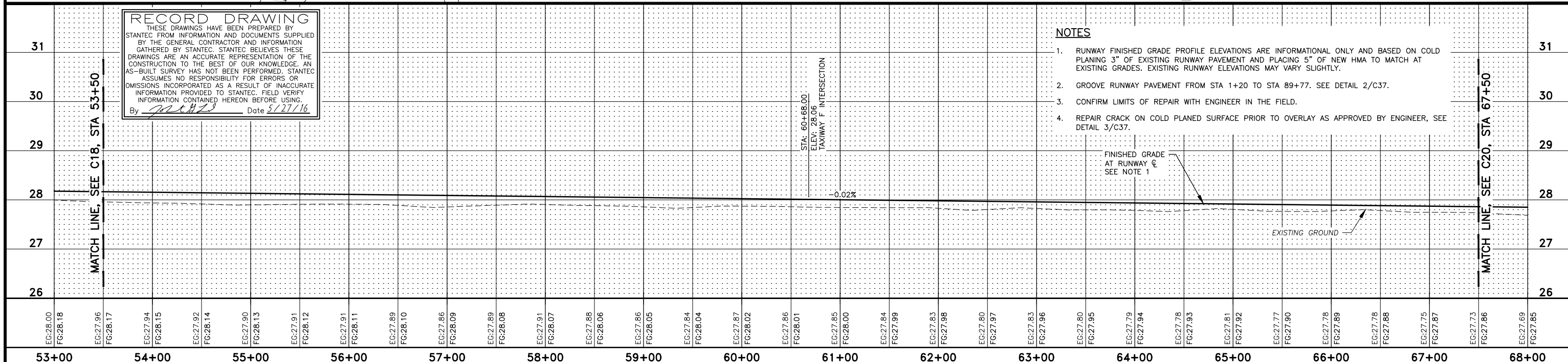
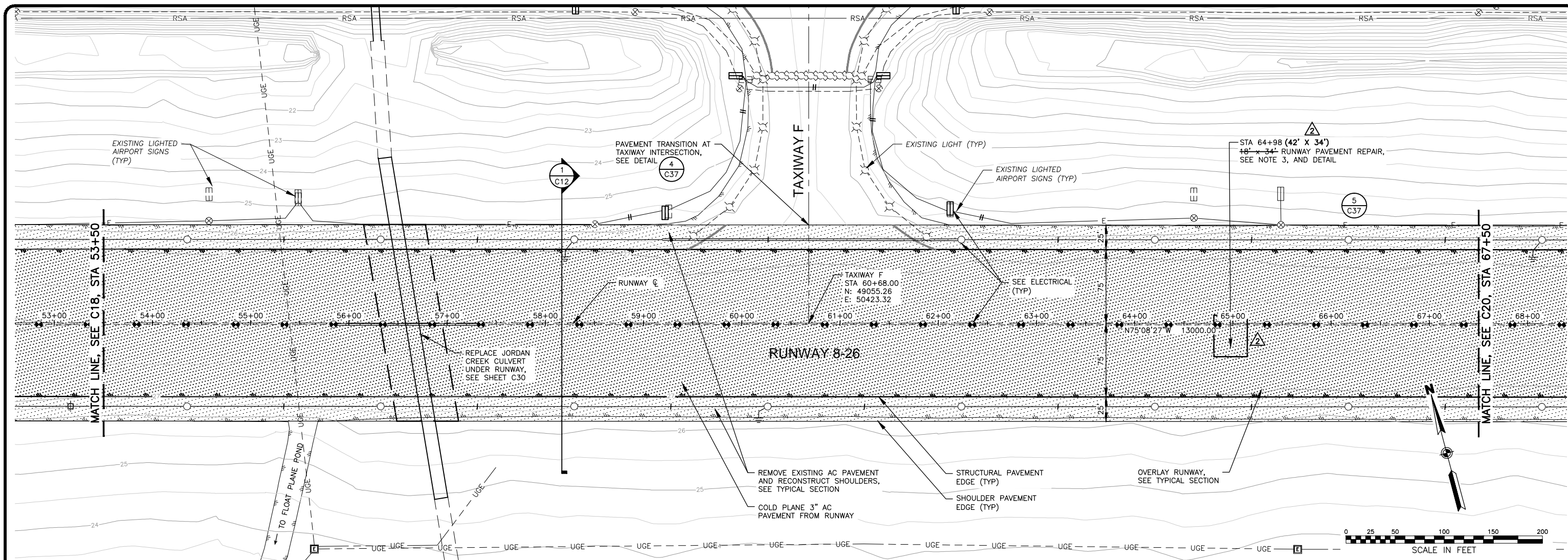


NOTES

1. RUNWAY FINISHED GRADE PROFILE ELEVATIONS ARE INFORMATIONAL ONLY AND BASED ON COLD PLANING 3" OF EXISTING RUNWAY PAVEMENT AND PLACING 5" OF NEW HMA TO MATCH AT EXISTING GRADES. EXISTING RUNWAY ELEVATIONS MAY VARY SLIGHTLY.
2. GROOVE RUNWAY PAVEMENT FROM STA 1+20 TO STA 89+77. SEE DETAIL 2/C37.
3. REPAIR CRACK ON COLD PLANED SURFACE PRIOR TO OVERLAY AS APPROVED BY ENGINEER, SEE DETAIL 3/C37.

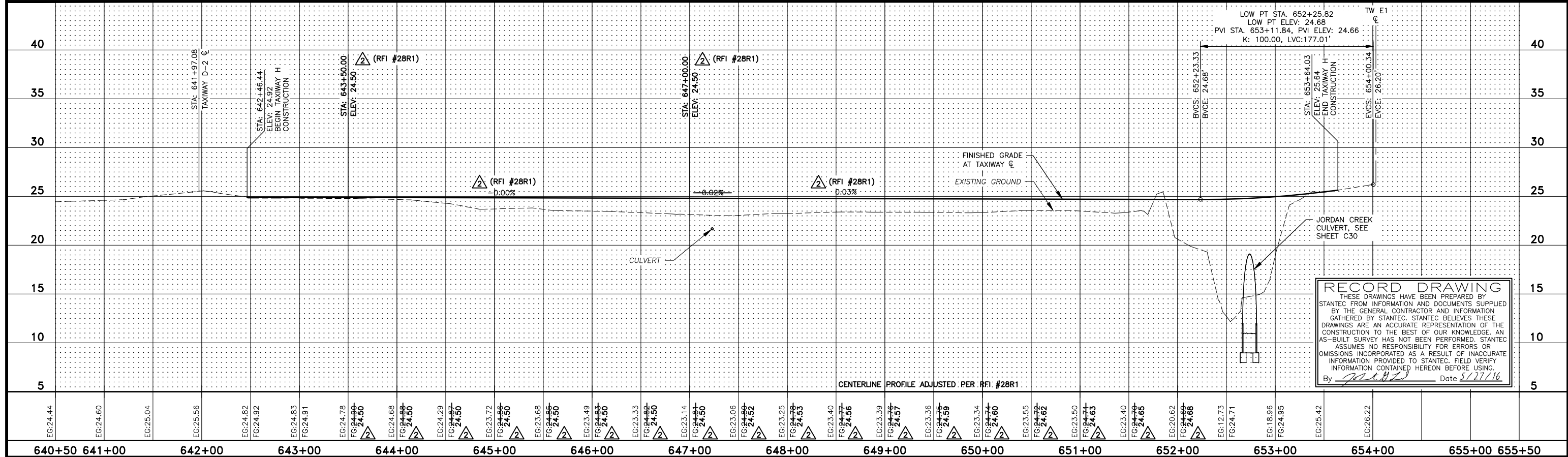
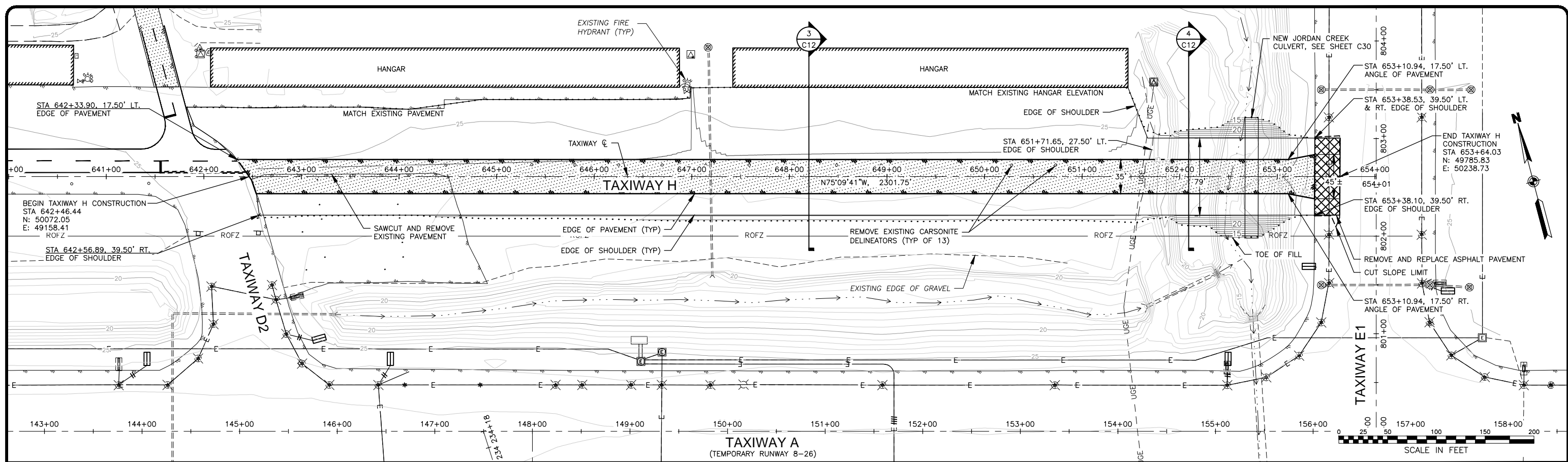
JGL	6/25/14	CONFORMED DOCUMENTS	SCALE				JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA RUNWAY 8-26 REHABILITATION CONTRACT NO. E14-259 AIP NO. 3-02-0133-60-2014 RUNWAY 8-26 PLAN AND PROFILE STA 39+50 TO 53+50	SHEET C18 OF 103
JGL	5/27/16	ASBUILTS						
BY	DATE	REVISIONS						

File: U:\204700278\1420300\Draws\CAs-Bults\Sheets\1420300-JUN-C19-C21-RW-PlanProf.dwg
 Script File: May 27, 2016 -- 5:23pm
 Plot Date: May 27, 2016 -- 5:23pm
 Designed By: ZWS & JGL
 Checked By: MRM & AC
 Drawn By: MRM & AC



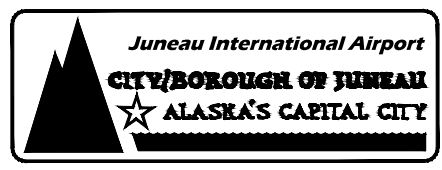
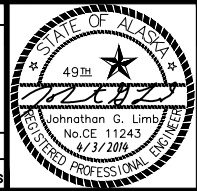
	JGL 6/25/14 CONFORMED DOCUMENTS JGL 5/27/16 ASBUILTS	SCALE HORZ. VERT. W.O. NO. 1420300 MILESTONE Recd. Dwgs		<p>USKH ARCHITECTURE • ENGINEERING LAND SURVEYING • PLANNING ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE</p>	<p>Juneau International Airport CITY/BOROUGH OF JUNEAU ALASKA'S CAPITAL CITY</p>	<p>JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA RUNWAY 8-26 REHABILITATION CONTRACT NO. E14-259 AIP NO. 3-02-0133-60-2014 RUNWAY 8-26 PLAN AND PROFILE STA 53+50 TO 67+50</p>	SHEET C19 OF 103
BY	DATE	REVISIONS					

File: U:\204700278\1420300\Draws\CAs-Bulits\Sheets\1420300-JUN-C22-C23-TW-PlanProf.dwg
 Script File: May 27, 2016 -- 3:25pm
 Plot Date: RPK
 Designed By: ZWS & JGL
 Checked By: WRM & AC
 Drawn By:



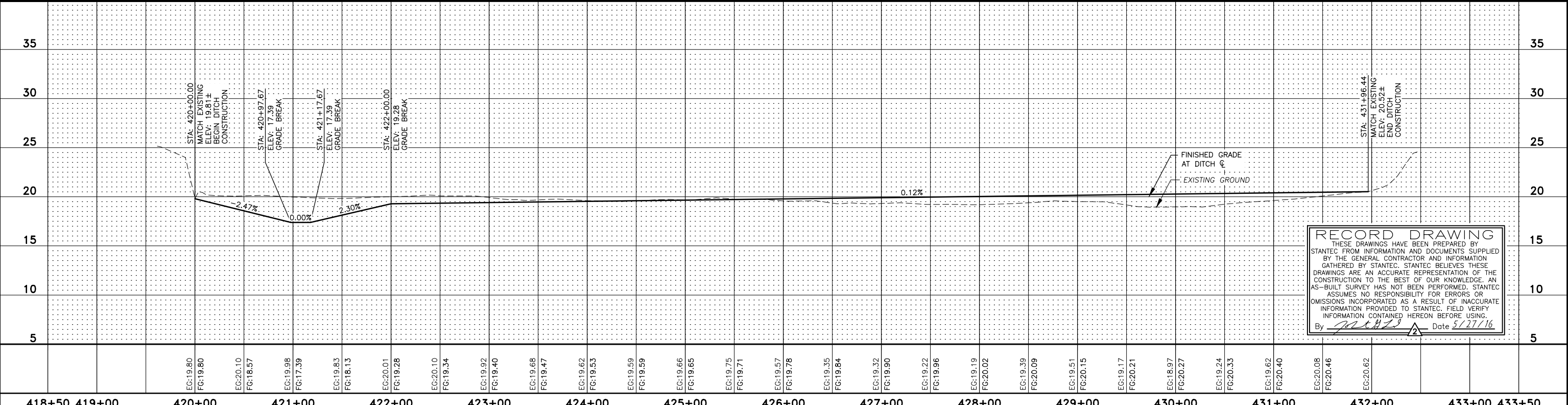
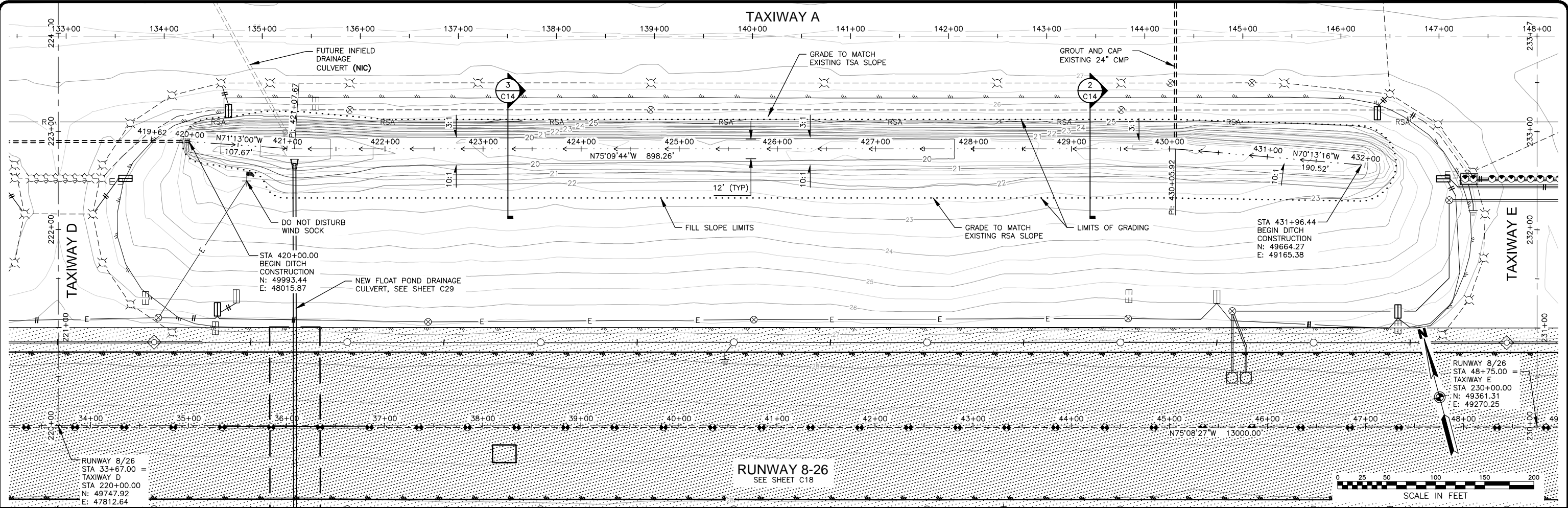
RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By: *[Signature]* Date: 5/27/16

EG:24.44	EG:24.60	EG:25.04	EG:25.56	EG:24.82	FG:24.92	EG:24.83	FG:24.91	EG:24.78	FG:24.86	EG:24.68	FG:24.80	EG:24.29	FG:24.87	EG:23.72	FG:24.66	EG:23.68	FG:24.50	EG:23.49	FG:24.82	EG:23.33	FG:24.62	EG:23.14	FG:24.81	EG:23.06	FG:24.60	EG:23.25	FG:24.78	EG:23.40	FG:24.56	EG:23.39	FG:24.57	EG:23.36	FG:24.75	EG:23.34	FG:24.60	EG:23.55	FG:24.62	EG:23.50	FG:24.63	EG:23.40	FG:24.65	EG:20.62	FG:24.66	EG:12.73	FG:24.71	EG:18.96	FG:24.95	EG:25.42	EG:26.22
640+50	641+00	642+00	643+00	644+00	645+00	646+00	647+00	648+00	649+00	650+00	651+00	652+00	653+00	654+00	655+00																																		
JGL 6/25/14	CONFORMED DOCUMENTS		SCALE		HORIZ.		VERT.		W.O. NO. 1420300		MILESTONE Recd. Dwg		JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA RUNWAY 8-26 REHABILITATION CONTRACT NO. E14-259 AIP NO. 3-02-0133-60-2014		SHEET C23 OF 103																																		



JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
 TAXIWAY H PLAN AND PROFILE

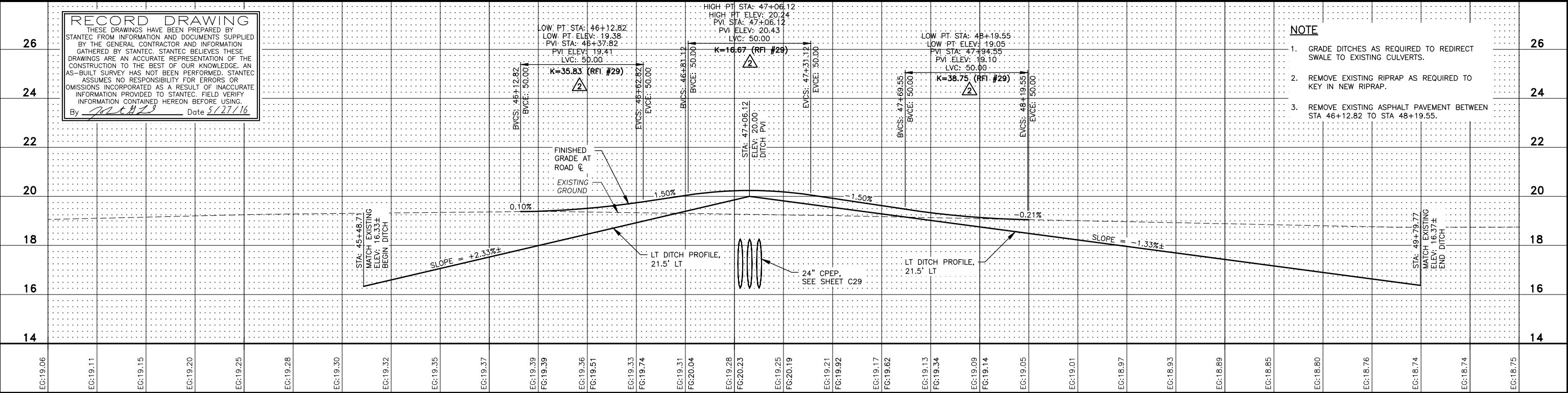
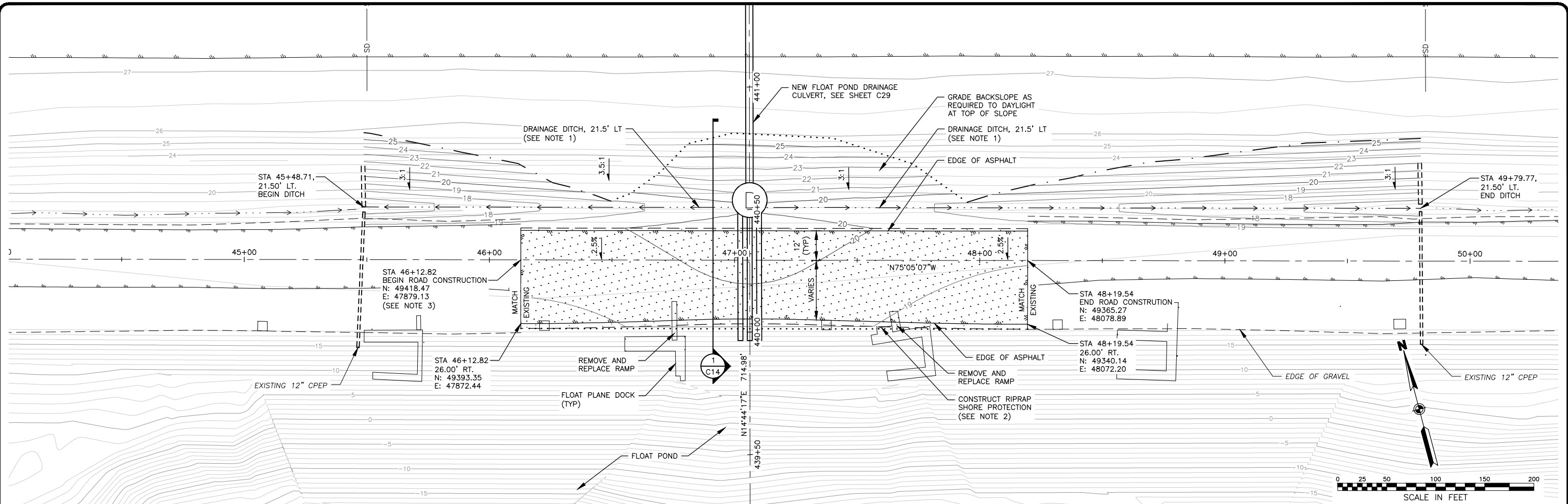
U:\204700278\1420300\Draws\CAs-Builts\Sheets\1420300-JUN-C24-TW-A-Ditch-PlanProf.dwg
 File: U:\204700278\1420300\Draws\CAs-Builts\Sheets\1420300-JUN-C24-TW-A-Ditch-PlanProf.dwg
 Script File: ZWS & JGL
 Plot Date: May 27, 2016 5:26pm
 Designed By: RPK
 Checked By: WMS & JGL
 Drawn By: MRM & AC



RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16

418+50	419+00	420+00	421+00	422+00	423+00	424+00	425+00	426+00	427+00	428+00	429+00	430+00	431+00	432+00	433+00	433+50								
EG:19.80 FG:19.80	EG:20.10 FG:18.57	EG:19.98 FG:17.39	EG:19.83 FG:18.13	EG:20.01 FG:19.28	EG:20.10 FG:19.34	EG:19.92 FG:19.40	EG:19.68 FG:19.47	EG:19.62 FG:19.53	EG:19.59 FG:19.59	EG:19.66 FG:19.65	EG:19.75 FG:19.71	EG:19.57 FG:19.78	EG:19.35 FG:19.84	EG:19.32 FG:19.90	EG:19.22 FG:19.96	EG:19.19 FG:20.02	EG:19.39 FG:20.09	EG:19.51 FG:20.15	EG:19.17 FG:20.21	EG:18.97 FG:20.27	EG:19.24 FG:20.33	EG:19.62 FG:20.40	EG:20.08 FG:20.46	EG:20.62
JGL 6/25/14 CONFORMED DOCUMENTS		JGL 5/27/16 ASBUILTS		SCALE		HORIZ.		VERT.		W.O. NO. 1420300		MILESTONE Recd. Dwg								JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA RUNWAY 8-26 REHABILITATION CONTRACT NO. E14-259 AIP NO. 3-02-0133-60-2014 TAXIWAY A - SOUTH DITCH		SHEET C24 OF 103		

U:\204700278\1420300\Draws\CAs-Built\Sheets\1420300-JUN-C25-N-SeaPlaneBaseRoad-Plan.dwg
 Script File: May 27, 2016 5:27pm
 Plot Date: May 27, 2016 5:27pm
 RPX
 Checked By: ZWS & JGL
 Drawn By: WRM & AC

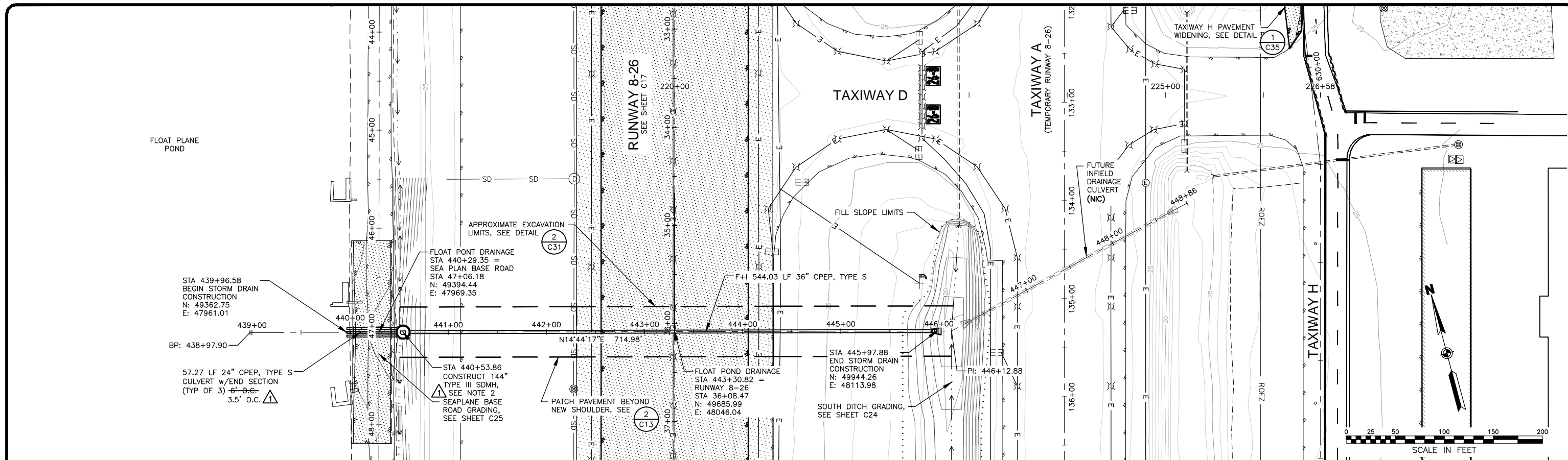


RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16

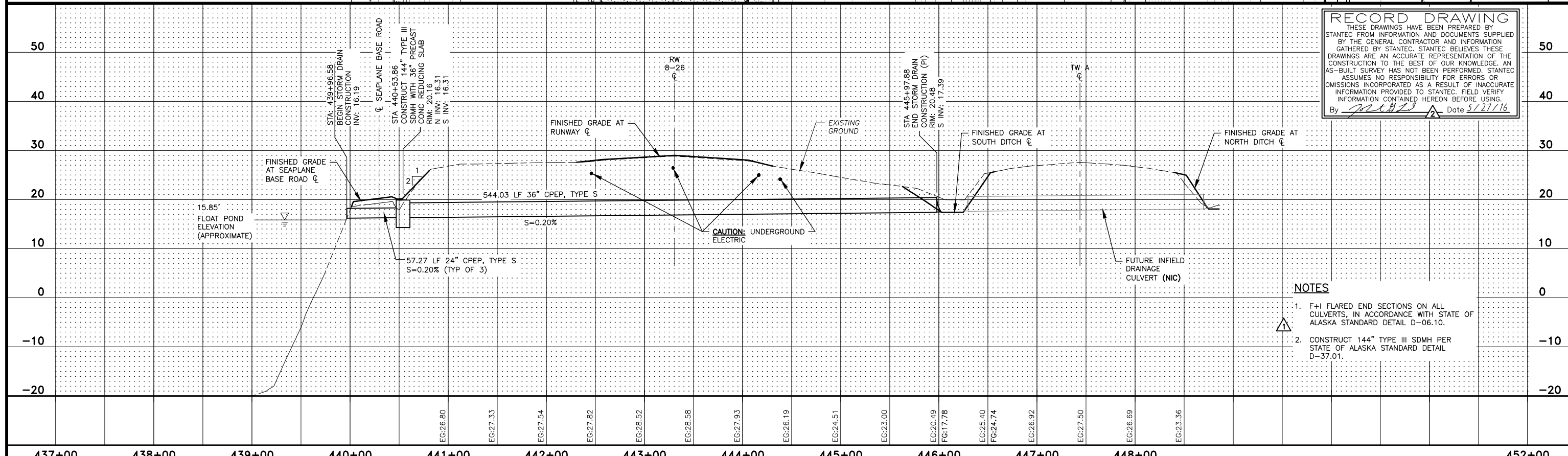
- NOTE**
- GRADE DITCHES AS REQUIRED TO REDIRECT SWALE TO EXISTING CULVERTS.
 - REMOVE EXISTING RIPRAP AS REQUIRED TO KEY IN NEW RIPRAP.
 - REMOVE EXISTING ASPHALT PAVEMENT BETWEEN STA 46+12.82 TO STA 48+19.55.

44+20	45+00	46+00	47+00	48+00	49+00	50+00	50+20
JGL 6/25/14	CONFORMED DOCUMENTS		SCALE		JUNEAU INTERNATIONAL AIRPORT JUNEAU, ALASKA RUNWAY 8-26 REHABILITATION CONTRACT NO. E14-259 AIP NO. 3-02-0133-60-2014 NORTH SEAPLANE BASE ROAD PLAN AND PROFILE		SHEET C25 OF 103
JGL 5/27/16	ASBUILTS		 ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE		 STATE OF ALASKA 49th Johnathon G. Limb No. CE 11243 8/3/2014 REGISTERED PROFESSIONAL ENGINEER		
BY	DATE	REVISIONS		HORZ.	VERT.	W.O. NO. 1420300	MILESTONE Recd. Dwgs

U:\204700278\1420300\Drawings\CAs-Bulits\Sheets\1420300-JUN\1420300-CONFORM\Drawings\C29-FIPOND.DWG
 Designed By: RPX
 Checked By: ZWS & JGL
 Drawn By: MRM & AC
 May 27, 2016 5:30pm
 Script File:
 Plot Date:



RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16



- NOTES**
- F+I FLARED END SECTIONS ON ALL CULVERTS, IN ACCORDANCE WITH STATE OF ALASKA STANDARD DETAIL D-06.10.
 - CONSTRUCT 144" TYPE III SDMH PER STATE OF ALASKA STANDARD DETAIL D-37.01.

JGL	6/25/14	ADDENDUM #2
JGL	5/27/16	ASBUILTS
SCALE		
HORZ.		
VERT.		
W.O. NO.	1420301	
BY	DATE	REVISIONS
MILESTONE Recd. Dwg		

USKH ARCHITECTURE • ENGINEERING
 LAND SURVEYING • PLANNING
 ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE

Juneau International Airport
 CITY/BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY

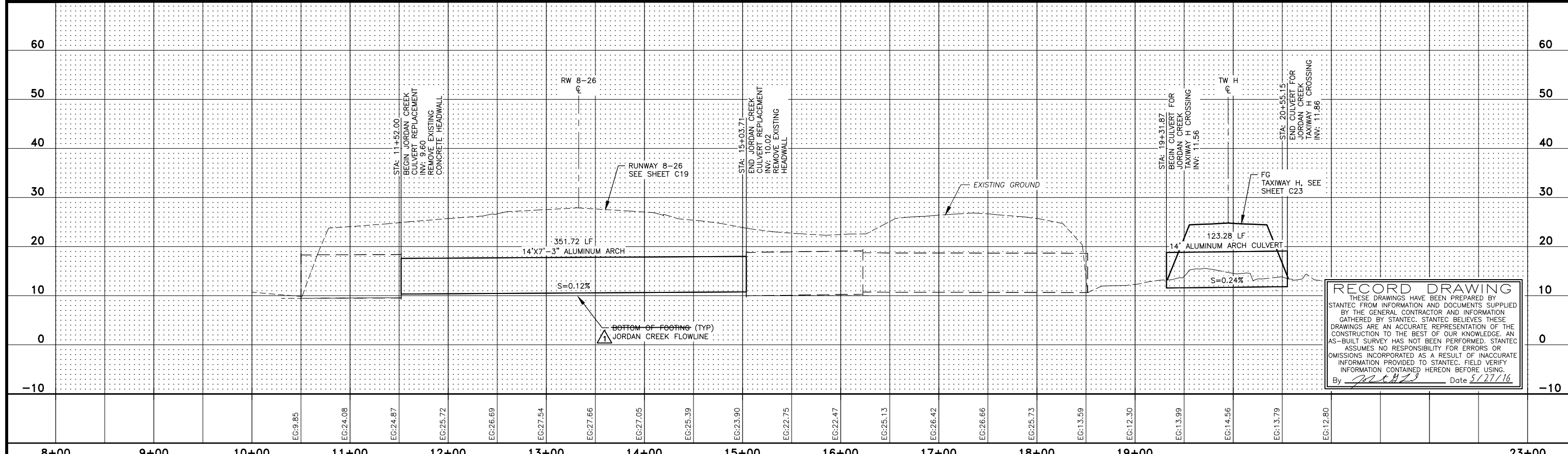
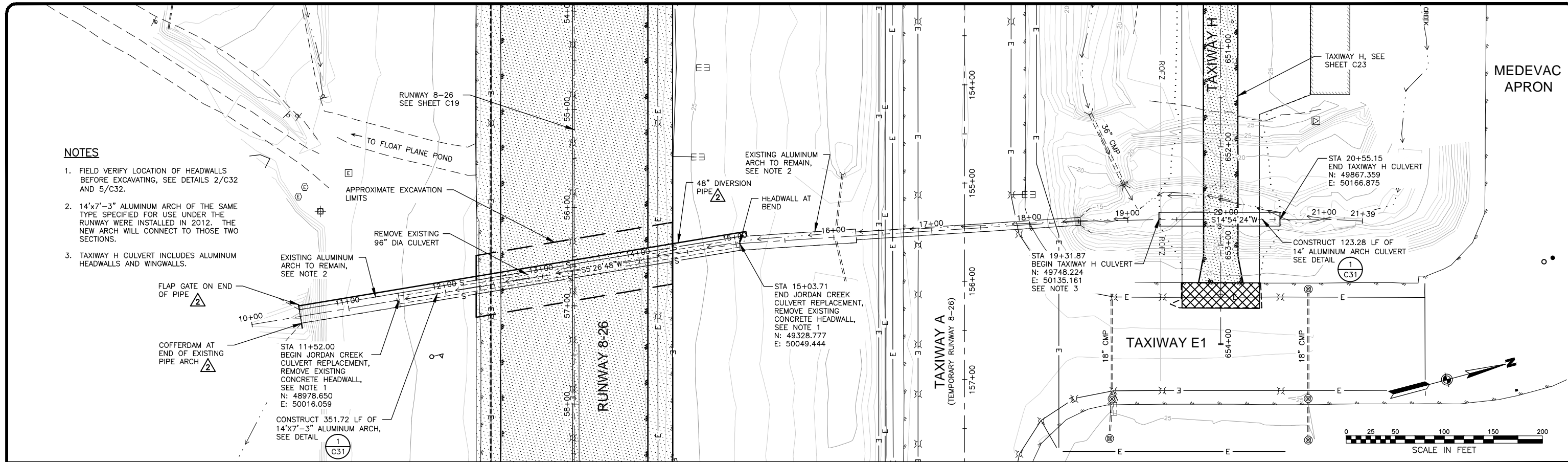
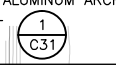
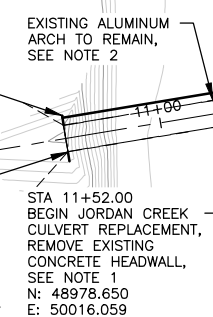
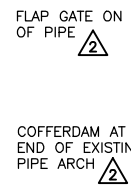
JUNEAU INTERNATIONAL AIRPORT
 LOCATION, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
FLOAT POND DRAINAGE
PLAN AND PROFILE

SHEET
C29
 OF
103

File: U:\204700278\1420300\Drawings\As-Builts\Sheets\1420300-JUNI(ConformDocs)-C30-C31-JordanCreek.dwg
 Script File: May 27, 2016 5:31pm
 Checked By: ZWS & JGL
 Drawn By: MRM & AC

NOTES

- FIELD VERIFY LOCATION OF HEADWALLS BEFORE EXCAVATING, SEE DETAILS 2/C32 AND 5/C32.
- 14'x7'-3" ALUMINUM ARCH OF THE SAME TYPE SPECIFIED FOR USE UNDER THE RUNWAY WERE INSTALLED IN 2012. THE NEW ARCH WILL CONNECT TO THOSE TWO SECTIONS.
- TAXIWAY H CULVERT INCLUDES ALUMINUM HEADWALLS AND WINGWALLS.



RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By: *[Signature]* Date: 5/27/16

JGL	6/25/14	ADDENDUM #2
JGL	5/27/16	ASBUILTS
BY	DATE	REVISIONS

SCALE

HORZ.

VERT.

W.O. NO. 1420301

MILESTONE Recd. Dwg

USKH ARCHITECTURE • ENGINEERING
 LAND SURVEYING • PLANNING

ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE

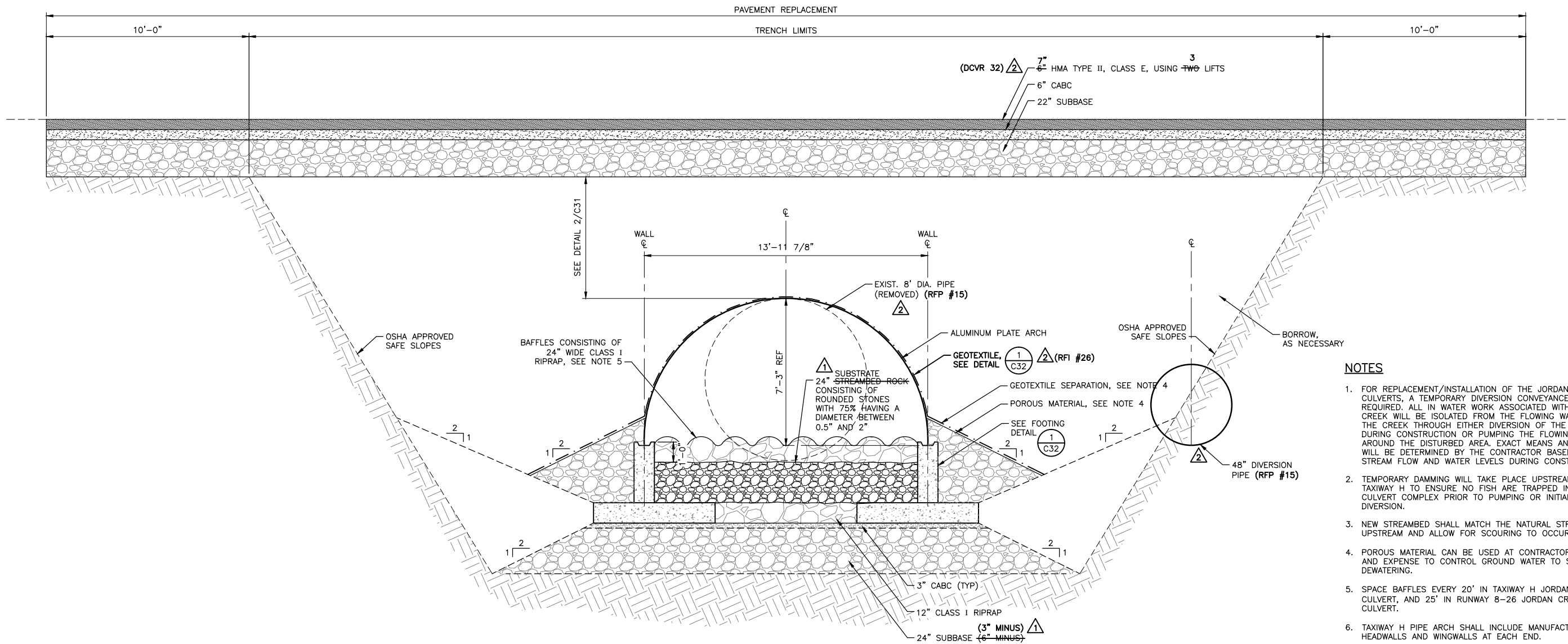
Juneau International Airport
 CITY/BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY

JUNEAU INTERNATIONAL AIRPORT
 LOCATION, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014

JORDAN CREEK PLAN AND PROFILE

SHEET C30 OF 103

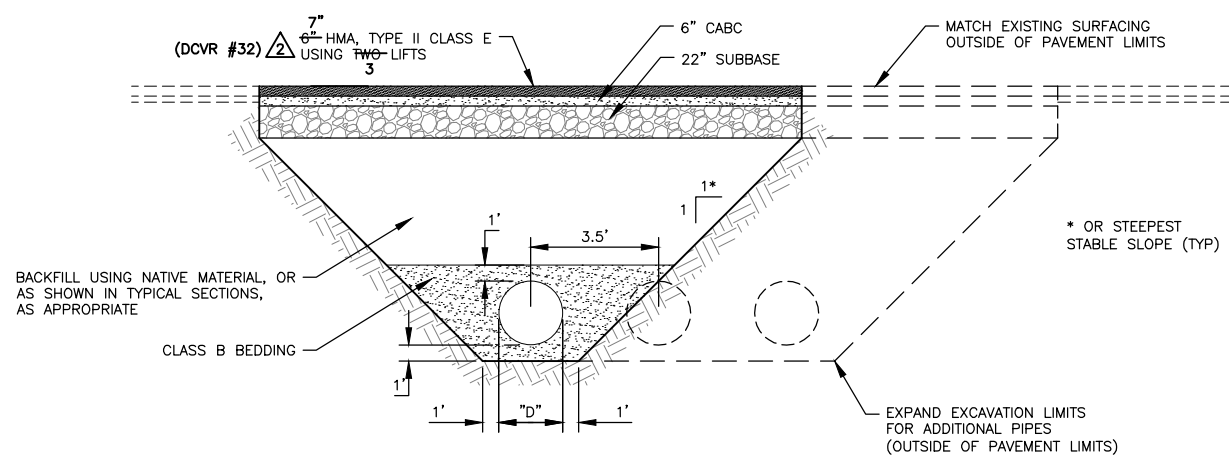
File: U:\204700278\1420300\Drawings\As-Built\Sheets\1420300-JUNU\Conform\Docs\C30-C31-Jordan Creek\Drawings.dwg
 Script File: May 27, 2016 5:31 pm
 Plot Date: May 27, 2016 5:31 pm
 RPX
 ZWS & JGL
 MRM & AC
 Checked By:
 Drawn By:



NOTES

1. FOR REPLACEMENT/INSTALLATION OF THE JORDAN CREEK CULVERTS, A TEMPORARY DIVERSION CONVEYANCE WILL BE REQUIRED. ALL IN WATER WORK ASSOCIATED WITH JORDAN CREEK WILL BE ISOLATED FROM THE FLOWING WATER OF THE CREEK THROUGH EITHER DIVERSION OF THE STREAM DURING CONSTRUCTION OR PUMPING THE FLOWING WATER AROUND THE DISTURBED AREA. EXACT MEANS AND METHODS WILL BE DETERMINED BY THE CONTRACTOR BASED ON STREAM FLOW AND WATER LEVELS DURING CONSTRUCTION.
2. TEMPORARY DAMMING WILL TAKE PLACE UPSTREAM OF TAXIWAY H TO ENSURE NO FISH ARE TRAPPED IN THE CULVERT COMPLEX PRIOR TO PUMPING OR INITIAL STREAM DIVERSION.
3. NEW STREAMBED SHALL MATCH THE NATURAL STREAMBED UPSTREAM AND ALLOW FOR SCOURING TO OCCUR.
4. POROUS MATERIAL CAN BE USED AT CONTRACTOR'S OPTION AND EXPENSE TO CONTROL GROUND WATER TO SUPPLEMENT DEWATERING.
5. SPACE BAFFLES EVERY 20' IN TAXIWAY H JORDAN CREEK CULVERT, AND 25' IN RUNWAY 8-26 JORDAN CREEK CULVERT.
6. TAXIWAY H PIPE ARCH SHALL INCLUDE MANUFACTURER'S HEADWALLS AND WINGWALLS AT EACH END.

1 JORDAN CREEK PIPE ARCH TYPICAL SECTION
 C31 SCALE: NOT TO SCALE

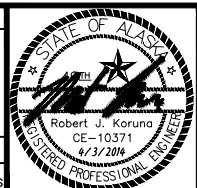


2 CULVERT DETAIL
 C31 SCALE: NOT TO SCALE

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By: *[Signature]* Date: 5/27/16

JGL	6/25/14	ADDENDUM #2
JGL	5/27/16	ASBUILTS
BY	DATE	REVISIONS

SCALE	
HORZ.	
VERT.	
W.O. NO.	1420301
MILESTONE Recd. Dwg	



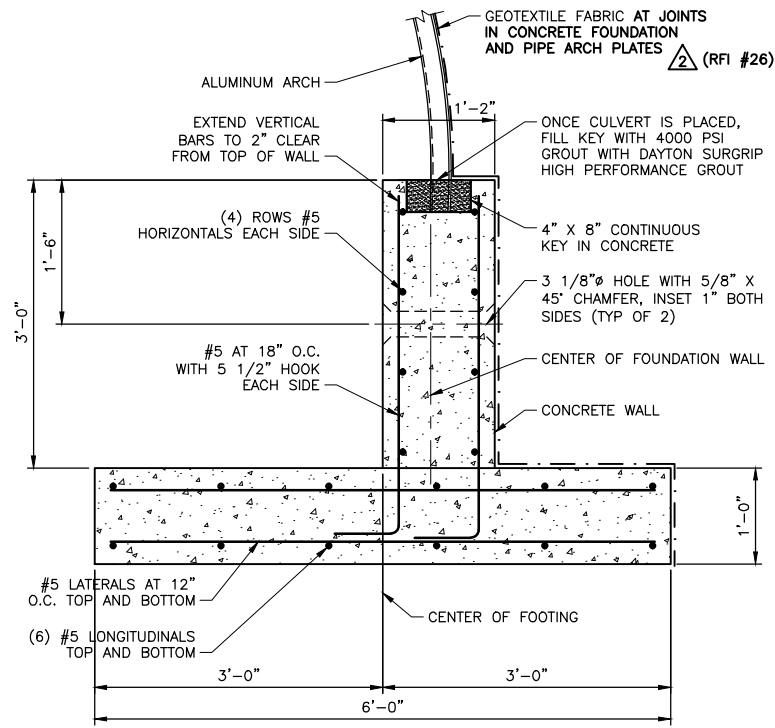
USKH ARCHITECTURE • ENGINEERING
 LAND SURVEYING • PLANNING
 ANCHORAGE ~ FAIRBANKS ~ JUNEAU ~ WASILLA ~ SPOKANE



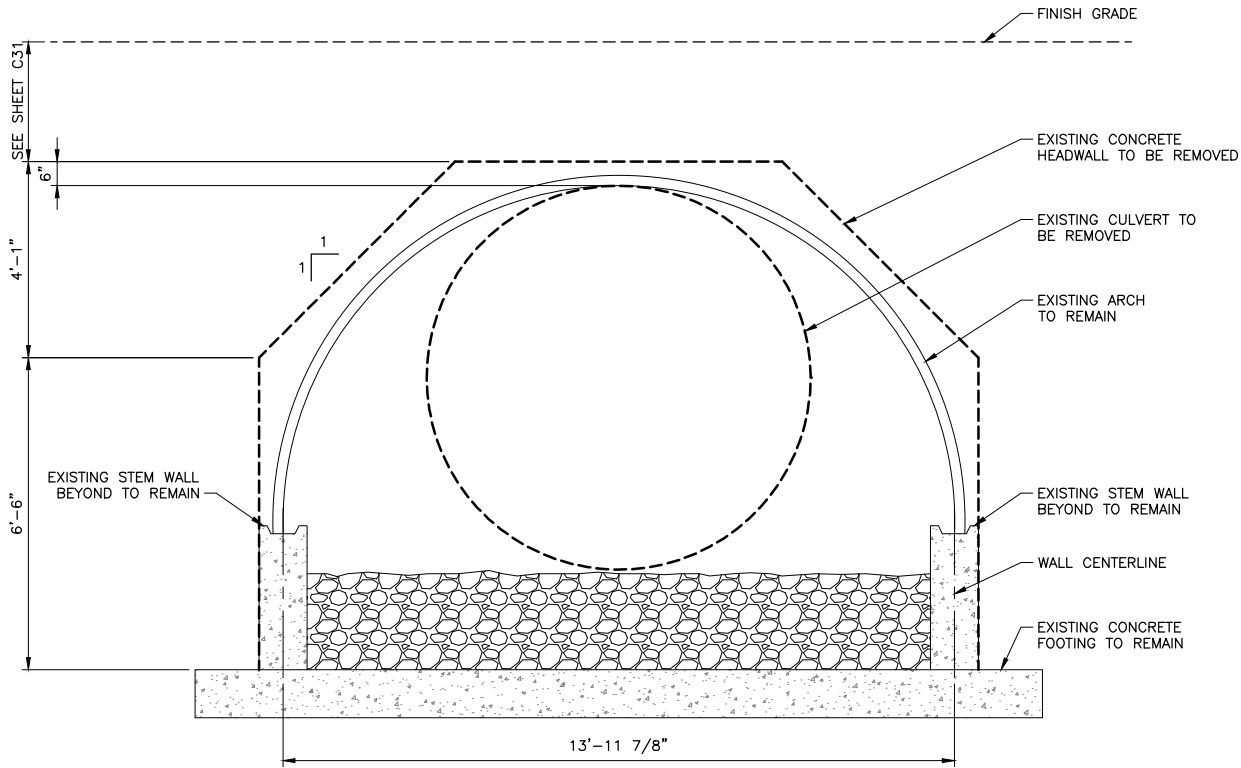
JUNEAU INTERNATIONAL AIRPORT
 LOCATION, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
JORDAN CREEK TRENCH SECTION

SHEET
C31
 OF
 103

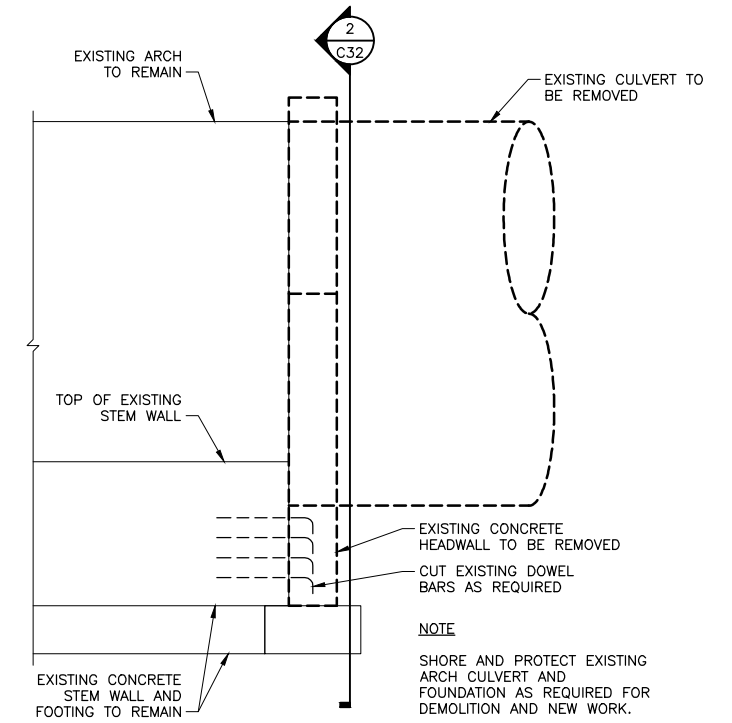
File: U:\204700278\1420300\Drawings\As-Built\Sheets\1420300-JUNU-C32-C33-JordanCreek-Plan&Elevation.dwg
 Script File: May 27, 2016 5:32pm
 Plot Date: May 27, 2016 5:32pm
 Drawn By: MRM & AC
 Checked By: ZWS & JGL
 RPK



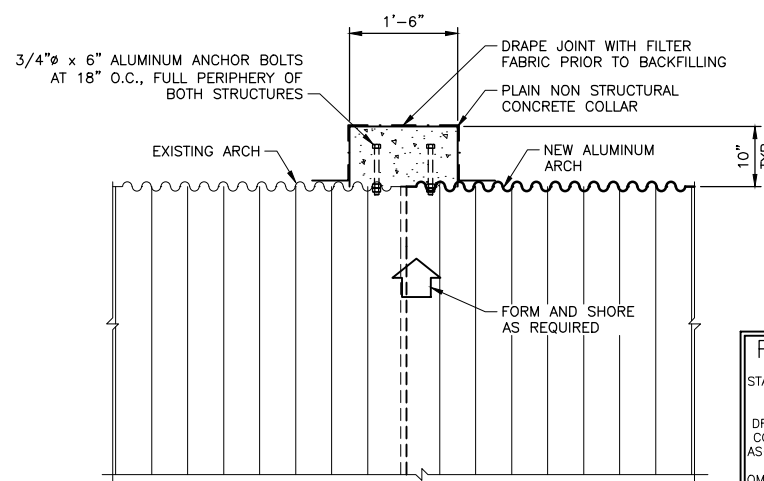
1 PIPE ARCH FOOTING
 C32 SCALE: NOT TO SCALE



2 PIPE ARCH HEADWALL ELEVATION - DEMO
 C32 SCALE: NOT TO SCALE

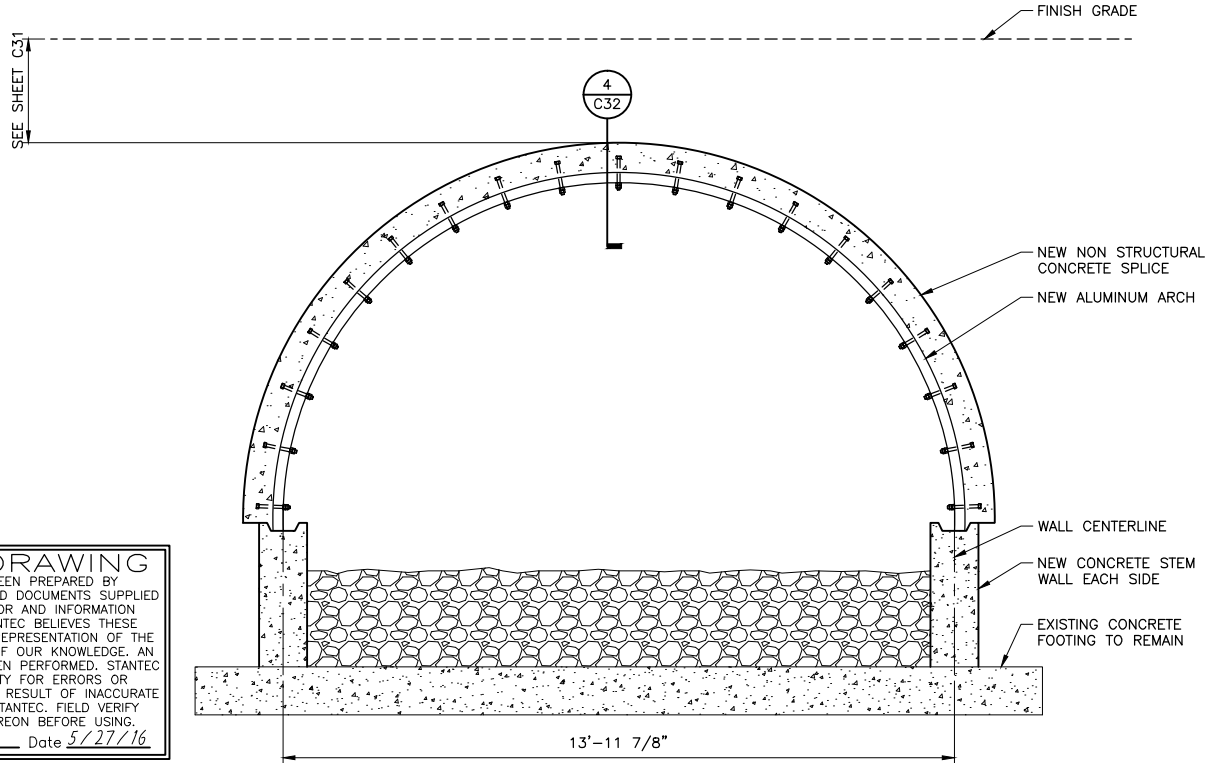


3 PIPE ARCH HEADWALL SECTION - DEMO
 C32 SCALE: NOT TO SCALE

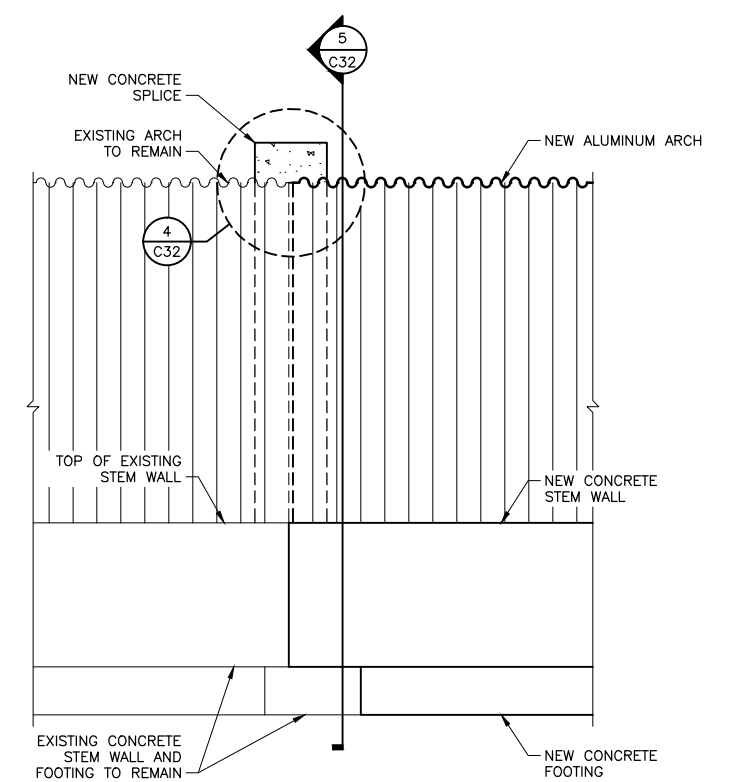


4 TYPICAL PIPE ARCH SPLICE
 C32 SCALE: NOT TO SCALE

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16



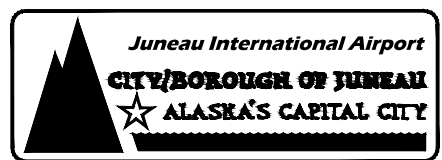
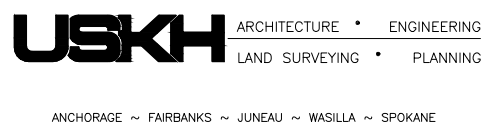
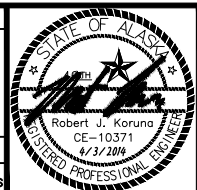
5 PIPE ARCH HEADWALL ELEVATION - NEW WORK
 C32 SCALE: NOT TO SCALE



6 PIPE ARCH HEADWALL SECTION - NEW WORK
 C32 SCALE: NOT TO SCALE

DATE	REVISIONS
6/25/14	CONFORMED DOCUMENTS
5/27/16	ASBUILTS

BY	DATE	REVISIONS



JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
 JORDAN CREEK CULVERT DETAILS

SHEET
 C32
 OF
 103

File: U:\204700278\1420300\Draws\CAs-Built\Sheets\1420300-JNU-C33-JordanCreek-Plan&E.dwg
 Script File: May 27, 2016 - 5:32pm
 Plot Date: RPK
 Checked By: ZWS & JGL
 Drawn By: MM & AC

GENERAL STRUCTURAL NOTES

(APPLIES TO ARCH FOUNDATION)

SCOPE:

FOUNDATION DESIGN OF OPEN-BOTTOM ARCH CULVERT. CULVERT DESIGN BY OTHERS. FOUNDATION HAS BEEN DESIGNED BASED ON REACTIONS SUPPLIED BY CULVERT ENGINEER. USKH TAKES NO RESPONSIBILITY FOR CULVERT DESIGN OR ACCURACY OF REACTIONS.

CODE:

2009 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) WITH CITY/BOROUGH OF JUNEAU AMENDMENTS.

DESIGN LOADS:

LIVE LOAD:
 BOEING 737-900 ER AIRCRAFT:
 MTOW = 187,700 LB
 REACTIONS PER CULVERT ENGINEER:
 Rv = 9,310 LB/FT
 Rh = 360 LB/FT INWARD

FOUNDATIONS:

SPREAD FOOTINGS	DESIGN SOIL BEARING VALUE
SPREAD FOOTINGS ON FIRM UNDISTURBED SOIL	2,000 PSF

CONCRETE:

TYPICAL CONCRETE COMPRESSIVE STRENGTHS		
CONCRETE	MINIMUM 28 DAY COMPRESSIVE STRENGTH	SLUMP AT PLACEMENT
UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE	4,000 PSI	4 1/2" MAXIMUM

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".

CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE A SLUMP NOT EXCEEDING 3", TO BE FIELD VERIFIED, PRIOR TO ADDING ADMIXTURE, AND NOT EXCEEDING 8" AT PLACEMENT.

ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED.

MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED TO BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, ETC. CAST CLOSURE POUR AROUND COLUMNS AFTER DEAD LOAD IS APPLIED. UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT, ALL CONCRETE SLABS ON GRADE SHALL BE BONDED BY CONSTRUCTION JOINTS, KEYED OR SAW CUT, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 400 SQUARE FEET. KEYED CONSTRUCTION JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING. ALL OTHER JOINTS MAY BE SAW CUT.

REINFORCING:

TYPICAL REINFORCING BAR STRENGTHS	
#3 OR LARGER REINFORCING TO BE WELDED	ASTM A615 (GR60) DEFORMED ASTM A706 (GR60) LOW ALLOY, DEFORMED

TYPICAL CLEAR CONCRETE COVERAGE	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	#6 AND LARGER 2" #5 AND SMALLER 1 1/2"
FORMED CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS OR WALLS	#6 AND LARGER 2" #5 AND SMALLER 1 1/2"
BEAMS (TO PRIMARY REINFORCEMENT OR STIRRUPS)	1 1/2"
ALL OTHERS PER LATEST EDITION OF ACI 318.	

LAP SPLICES IN CONCRETE:

UNLESS NOTED OTHERWISE, LAP SPLICES IN CONCRETE BEAMS, WALLS, AND SLABS SHALL BE CLASS "B" TENSION LAP SPLICES AND LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES PER LATEST EDITION OF ACI 318, BUT NOT LESS THAN 50 BAR DIAMETERS. STAGGER ALTERNATE SPLICES A MINIMUM OF ONE LAP LENGTH.

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS. REINFORCING BAR SPACINGS GIVEN ARE MAXIMUM ON CENTERS (O.C.). ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF ACI 318.

SPECIAL INSPECTIONS:

SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER IBC CHAPTER 17:

CONCRETE: DURING TAKING OF SPECIMENS AND PLACEMENT OF ALL CONCRETE. SEE PROJECT SPECIFICATIONS FOR FREQUENCY OF TESTING AND STRENGTH REQUIREMENTS.

REINFORCING STEEL: DURING PLACEMENT OF REINFORCING STEEL.

BOLTING: STRUCTURAL BOLTING AND BOLT TIGHTENING.

DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

1. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE CBJ AND TO THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE CBJ.
3. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

GENERAL:

THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.

OPTIONS ARE FOR CONTRACTOR CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY IF AN OPTION IS CHOSEN AND CONTRACTOR SHALL COORDINATE ALL DETAILS.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

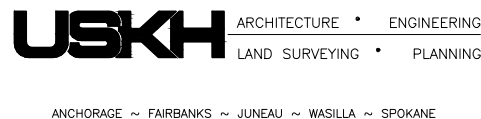
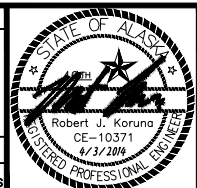
WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES, AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALASKA.

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 5/27/16

JGL	6/25/14	CONFORMED DOCUMENTS
JGL	5/27/16	ASBUILTS
BY	DATE	REVISIONS

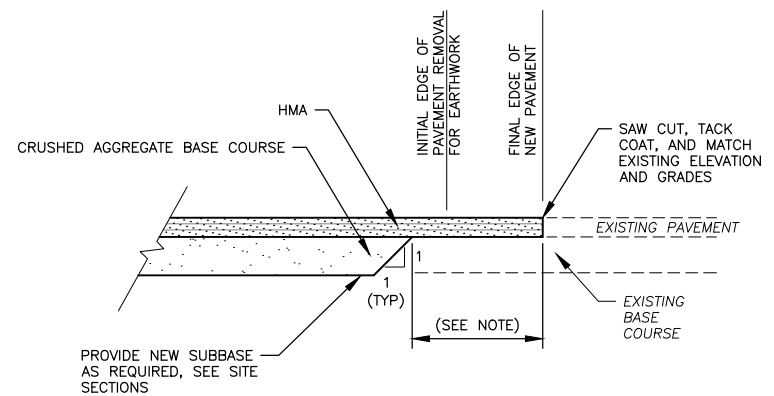
SCALE	
HORZ.	
VERT.	
W.O. NO.	1420300
MILESTONE Recd. Dwg	



JUNEAU INTERNATIONAL AIRPORT
 JUNEAU, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014
 JORDAN CREEK CULVERT NOTES

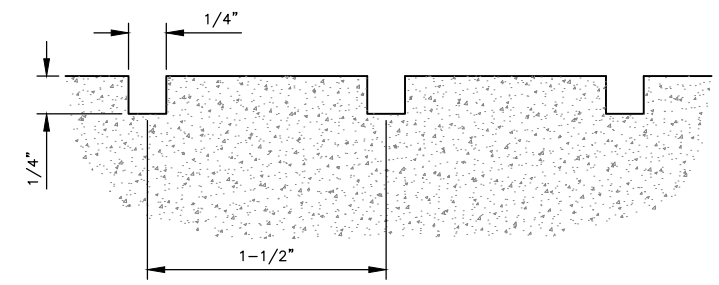
SHEET
C33
 OF
 103

U:\204700278\14203000\Drawings\As-Built\Sheets\14203000-JUNU(Conform)Docs\C37-Details.dwg
 May 27, 2016 5:35pm
 File: U:\204700278\14203000\Drawings\As-Built\Sheets\14203000-JUNU(Conform)Docs\C37-Details.dwg
 Script File: M:\2016\2016 - 5:35pm
 Plot Date: May 27, 2016 5:35pm
 RPX
 ZWS & JGL
 MRM & AC
 Designed By:
 Checked By:
 Drawn By:



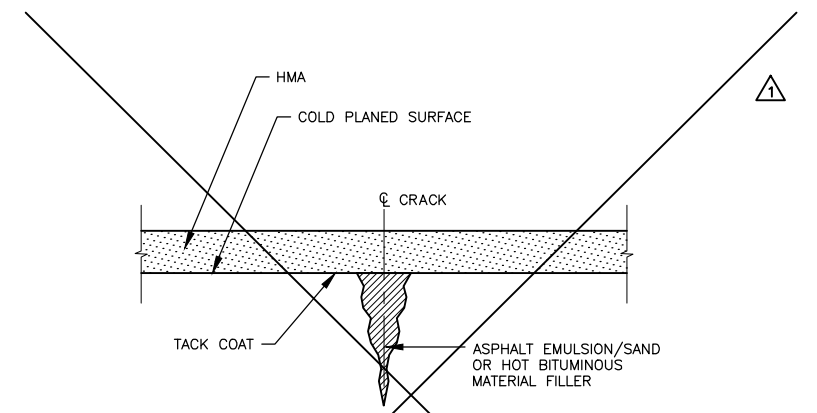
NOTE
 REMOVE ADDITIONAL PAVEMENT, AFTER NEW CRUSHED AGGREGATE BASE COURSE IS PLACED AND COMPACTED, AS REQUIRED TO REMOVE ALL UPHEAVAL OR BROKEN/CRACKED PAVEMENT THAT OCCURS AFTER THE INITIAL SAWCUT IS MADE.

1 PAVEMENT CUT AND MATCH
 C37 SCALE: NOT TO SCALE



NOTES
 1. SEE SECTION P-630 FOR ADDITIONAL REQUIREMENTS FOR PAVEMENT GROOVING.
 2. GROOVE RUNWAY FROM 75' LT. AND RT. OF RUNWAY CENTERLINE FROM STA. 1+20.00 TO STA. 89+77.00
 3. GROOVE RUNWAY PRIOR TO PLACING PAVEMENT MARKINGS.

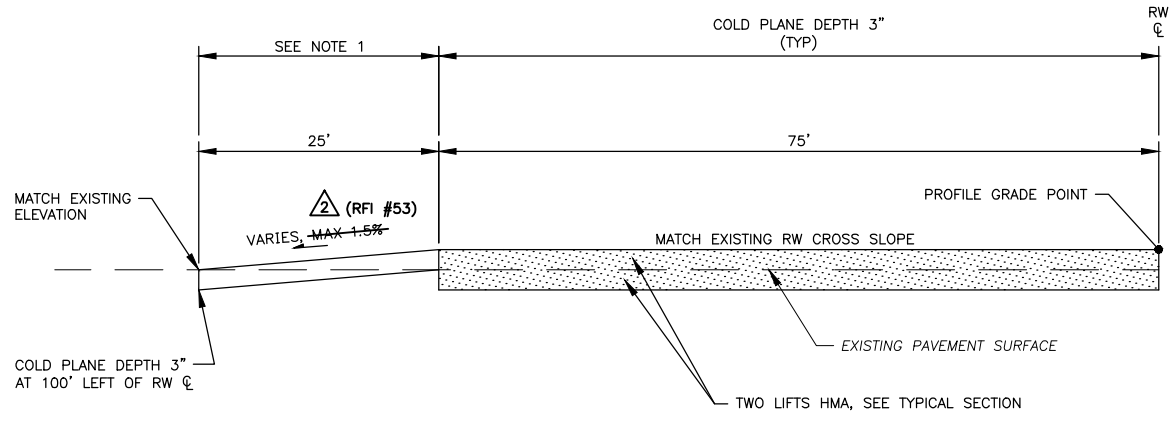
2 RUNWAY PAVEMENT GROOVING
 C37 SCALE: NOT TO SCALE



CRACK REPAIR PROCEDURES
 1. CLEAN CRACKS OF ALL LOOSE MATERIAL WITH STIFF-BRISTLED BROOM AND COMPRESSED AIR.
 2. FILL CRACKS 3/8" WIDE AND LARGER WITH COMPACTED MIXTURE OF EMULSIFIED ASPHALT AND FINE TO MEDIUM SAND, UNTIL LEVEL WITH COLD PLANED SURFACE. CRACKS SMALLER THAN 3/8" SHALL BE FILLED WITH HOT BITUMINOUS MATERIAL.

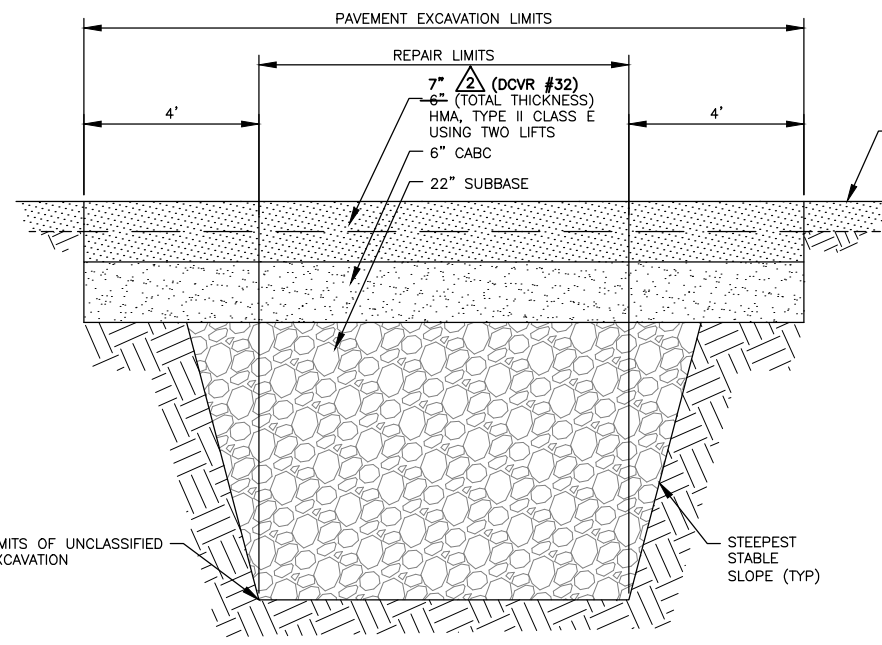
3 CRACK REPAIR DETAIL
 C37 SCALE: NOT TO SCALE

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *mtz* Date 5/27/16



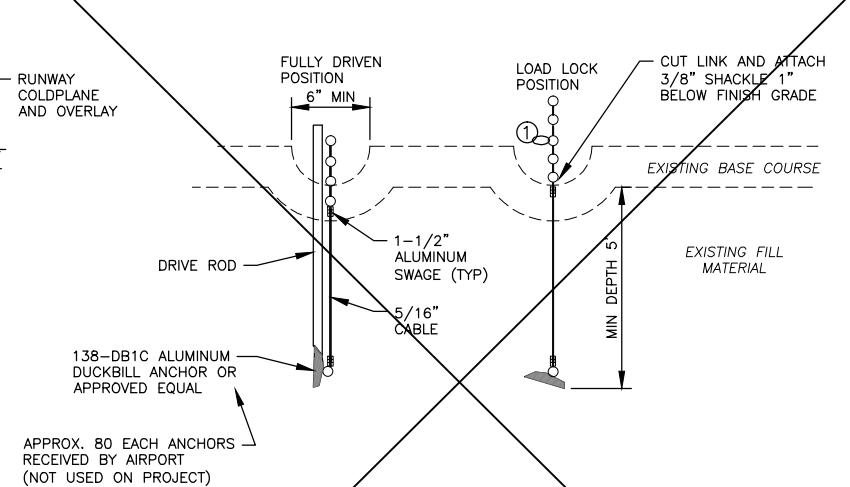
NOTES
 1. MODIFY COLD PLANE DEPTH FROM ~~ZERO INCHES~~ ^{ONE INCH} AT 75 FEET LEFT TO 3" AT 100 FEET LEFT TO TRANSITION TOP LIFT OF OVERLAY TO MATCH EXISTING TAXIWAY PAVEMENT. (RFI #57R) Δ
 2. APPLY TACK COAT TO ALL COLD PLANED SURFACES AND SUCCESSIVE LIFTS PRIOR TO PAVING.
 3. TRANSITION THE RUNWAY SHOULDER SLOPES TO THE TAXIWAY SHOULDERS OVER 50 FEET PRIOR TO THE POINT OF CURVATURE OF THE TAXIWAYS SHOULDER PAVEMENT EDGE AT THE NEW RUNWAY SHOULDER PAVEMENT EDGE. (DCVR #36) Δ

4 TYPICAL PAVEMENT TRANSITION AT TAXIWAY INTERSECTIONS
 C37 SCALE: NOT TO SCALE



NOTE
 LIMITS SHOWN IN PLAN VIEW ARE APPROXIMATE. ACTUAL LIMITS TO BE DETERMINED BY THE ENGINEER.

5 RUNWAY PAVEMENT REPAIR
 C37 SCALE: NOT TO SCALE

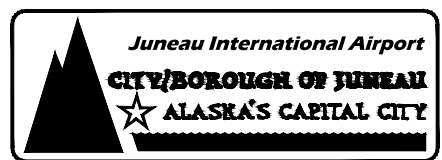
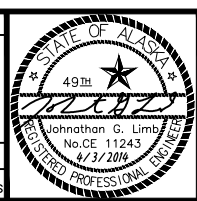


NOTES
 1. CHAIN TO BE 5/16" PROF COIL, GALVANIZED (30" LONG).
 2. ALUMINUM SWAGE AND COIL CHAIN SHALL EXCEED IN STRENGTH THE 5/16" (7x19) CABLE.
 3. PROVIDE TWO 18" TALL ORANGE TRAFFIC CONES FOR EACH PARKING POSITION. STENCIL THE PARKING POSITION NUMBER ON ONE CONE AND ATTACH TO RIGHT WING TIE-DOWN WITH DOUBLE SAFETY WIRE IN SEQUENTIAL ORDER AS INDICATED ON MARKING PLANS.

6 AIRCRAFT TIE-DOWN SOIL ANCHOR
 C37 SCALE: NOT TO SCALE SEE ALTERNATIVE DESIGN, SHEET C37A (RFP #4)

JGL	6/25/14	Δ ADDENDUM #2
JGL	5/27/16	Δ ASBUILTS
BY	DATE	REVISIONS

SCALE	
HORZ.	
VERT.	
W.O. NO.	1420301
MILESTONE Recd. DwgS	



JUNEAU INTERNATIONAL AIRPORT
 LOCATION, ALASKA
 RUNWAY 8-26 REHABILITATION
 CONTRACT NO. E14-259
 AIP NO. 3-02-0133-60-2014

SHEET
C37
 OF
 103

DETAILS