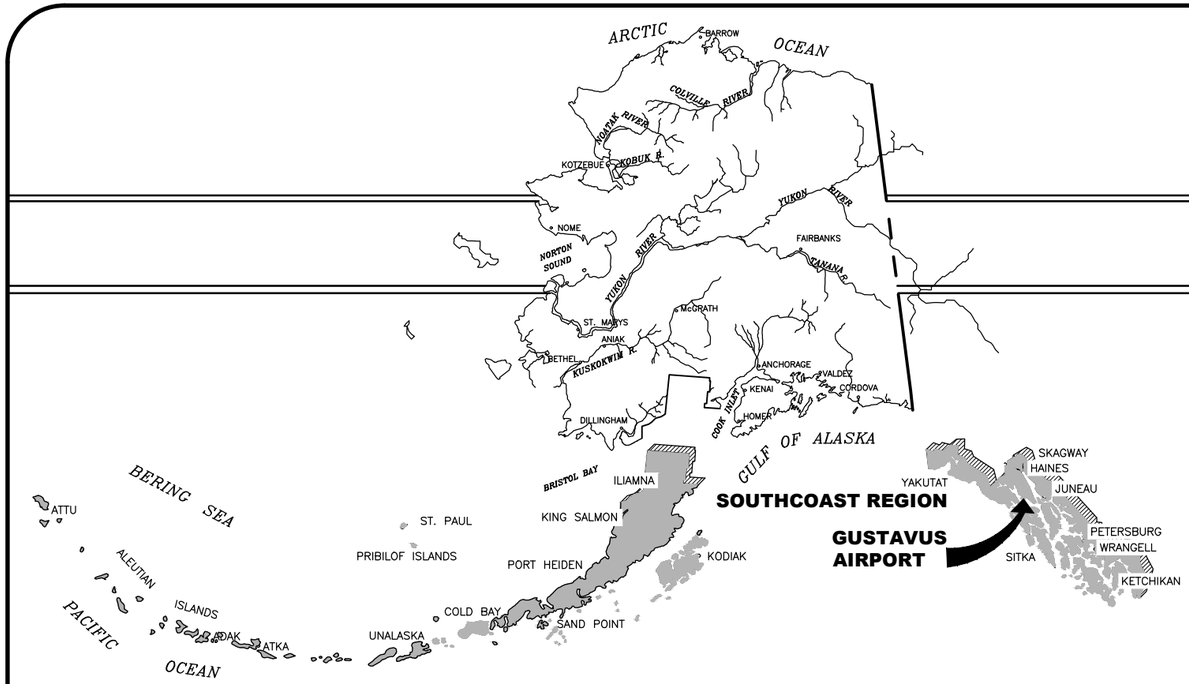
CONSTRUCTION PLANS FOR

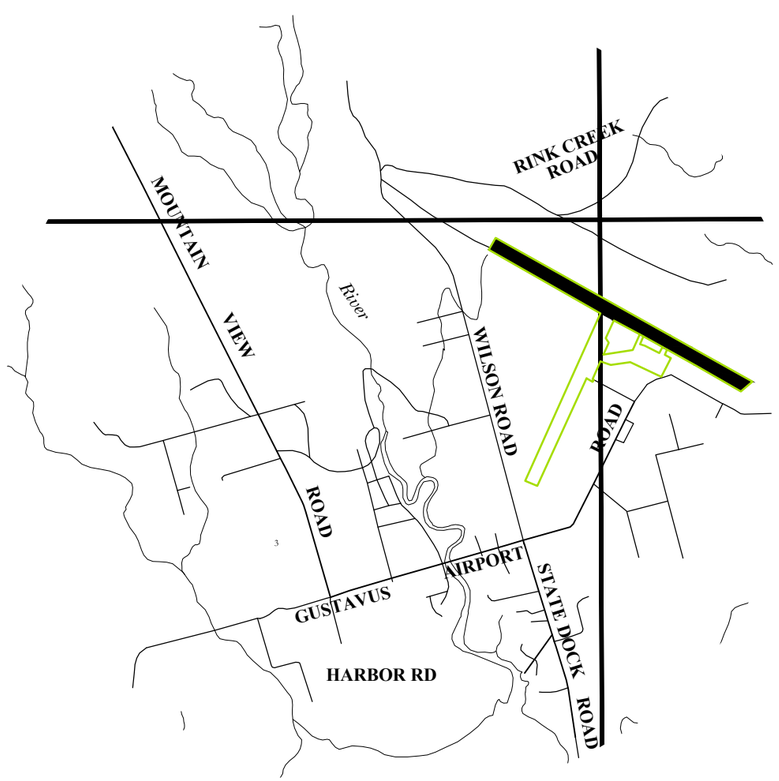
GUSTAVUS AIRPORT

FFY19 GUSTAVUS AIRPORT APRON, RUNWAY AND TAXIWAY PAVEMENT REHABILITATION PROJECT No Z675170000/ A.I.P. No. 3-02-0111-007-2019



ALASKA SOUTHCOAST REGION LOCATION MAP

NOT TO SCALE



DESIGN DESIGNATIONS	
AIRPORT REFERENCE CODE	C–III (RWY 11/29) B–1 (RWY 02/20)
AIRPORT TYPE	OTHER THAN UTILITY
RUNWAY CATEGORY	REGIONAL
AIRPORT REFERENCE POINT (ARP Coordinates – NAD '83)	Latitude N 58° 25' 30.97" Longitude W 135° 42' 26.68"
RUNWAY DIMENSION	6720 FT x 150 FT (RWY 11/29) 3010 FT x 60 FT (RWY 02/20)
RUNWAY ELEVATION	36.3 FT (NAVD88)
RSA DIMENSION	8720 FT X 500 FT (RWY 11/29) 3490 FT X 120 FT (RWY 02/20)
RUNWAY/TAXIWAY SURFACE	ASPHALT
RUNWAY LIGHTING	MEDIUM INTENSITY RUNWAY LIGHTING (MIRL)
TAXIWAY LIGHTING	LIGHTING (MITL)
FAA APPROACH AIDS	NDB, VASI
RUNWAY MARKING TYPE	NON–PRECISION

CONCUR **DATE**
D. LANCE MEARIG, P.E. **REGIONAL DIRECTOR**

APPROVED **DATE**
PAT L. CARROLL, P.E. **REGIONAL PRECONSTRUCTION ENGINEER**

DRAFT

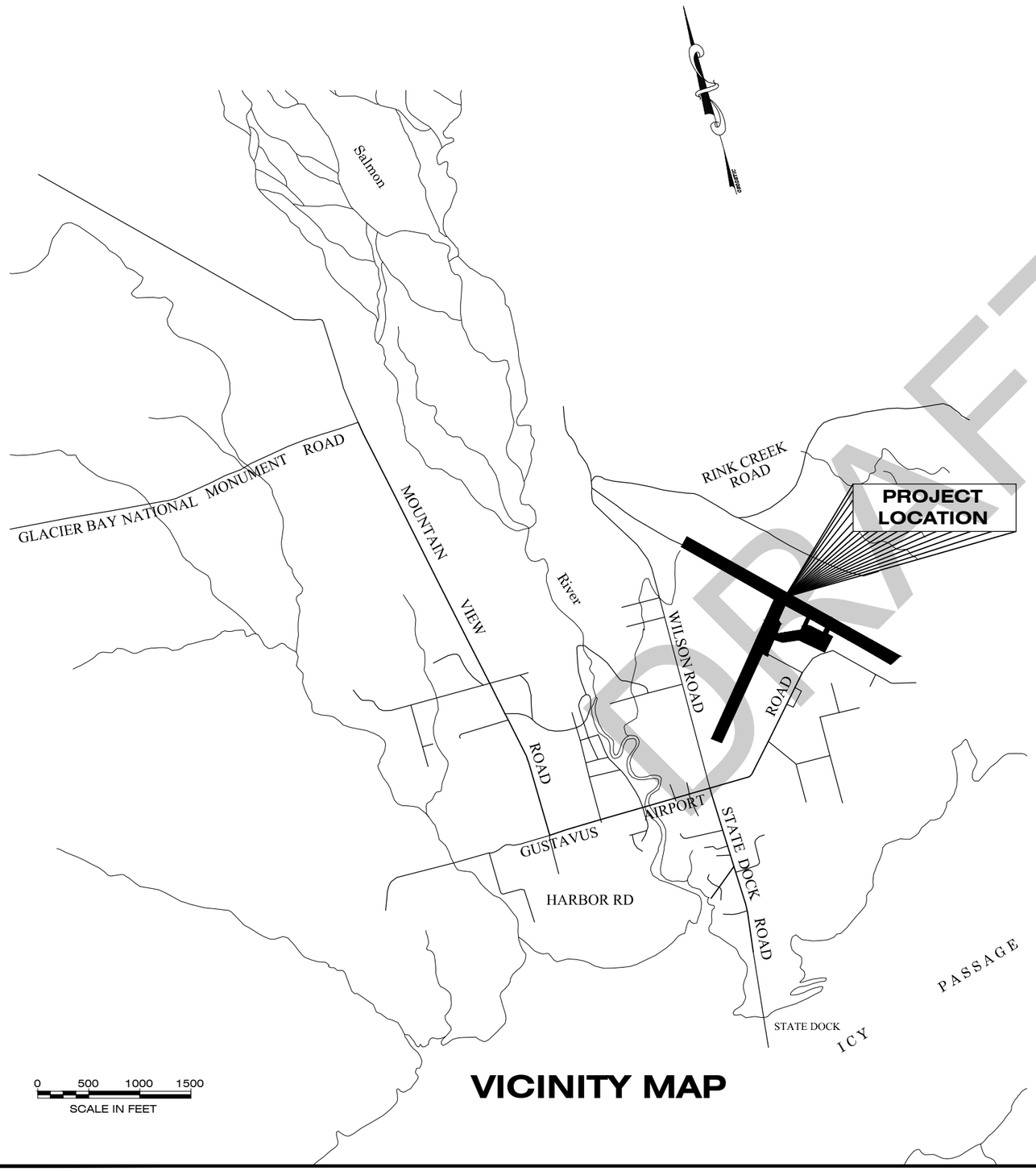
SPONSORED BY STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHCOAST REGION
6860 GLACIER HIGHWAY
JUNEAU, ALASKA 99801
907-465-1763

Designed By:	TDF	
Checked By:	CMT	
Drawn By:	TDF	

Date Plotted:	Aug. 21, 2019 – 9:27am
Plot Ratio and Layout:	
File:	Q:\Gus\675170\Planset\675170_A1_TITLESHEET.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	A2	17



VICINITY MAP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	KEY MAPS & ABBREVIATIONS
A3	LEGEND & SYMBOLS
A4–A6	SURVEY CONTROL SHEET
A7	GENERAL LAYOUT PLAN
A8	SAFETY SURFACES PLAN
A9–A15	CONSTRUCTION SAFETY & PHASING PLAN
A16–A17	CONSTRUCTION SAFETY & PHASING PLAN DETAILS
B1–B5	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
E1–E3	MISCELLANEOUS DETAILS
F1–F12	PLAN & PROFILE
L1–L9	MARKINGS
Q1–Q4	EROSION & SEDIMENT CONTROL PLAN
U1–U9	ELECTRICAL

ABBREVIATIONS

AC	ASPHALT CONCRETE	N.T.S.	NOT TO SCALE
AIP	AIRPORT IMPROVEMENT PROGRAM	OFA	OBJECT FREE AREA
APPROX.	APPROXIMATE	OFZ	OBSTACLE FREE ZONE
ARFF	AIRPORT RESCUE AND FIRE FIGHTING	PAPI	PRECISION APPROACH PATH INDICATOR
BMP	BEST MANAGEMENT PRACTICES	PC	POINT OF CURVATURE
℄	CENTERLINE	PT	POINT OF TANGENCY
CAP	CORRUGATED ALLUMINUM PIPE	R	RADIUS
CF	CUBIC FOOT	RSA	RUNWAY SAFETY AREA
CFR	CODE OF FEDERAL REGULATIONS	P.C.C.	PORTLAND CEMENT CONCRETE
CFS	CUBIC FEET PER SECOND	PVI	POINT OF VERTICAL CURVE
CMP	CORRUGATED METAL PIPE	PVMT.	PAVEMENT
CPP	CORRUGATED POLYETHYLENE PIPE	R.A.P.	RECLAIMED ASPHALT PAVEMENT
C.S.	CONTINGENT SUM	RT	RIGHT
CY	CUBIC YARD	R/W	RUNWAY
DIA.	DIAMETER	SIDA	SECURITY IDENTIFICATION DISPLAY AREA
E	EASTING	STA.	STATION
ELEV.	ELEVATION	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
ESCP	EROSION AND SEDIMENT CONTROL PLAN	TSA	TAXIWAY SAFETY AREA
FAA	FEDERAL AVIATION ADMINISTRATION	TYP	TYPICAL
FT	FEET	T/W	TAXIWAY
LB	POUND	U.S.	UNITED STATES
LT	LEFT		
LVC	LENGTH OF VERTICAL CURVE		
MAX.	MAXIMUM		
MIN.	MINIMUM		
N	NORTHING		
N/A	NOT APPLICABLE		

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GST AIRPORT APRON, RUNWAY,
AND TAXIWAY PAVEMENT REHAB.

KEY MAPS & ABBREVIATIONS

DRAFT

FILE	Q:\Gus\67517\Planset\67517_A2_KEY_MAPS.dwg	DATE	8/21/2019 8:58	LAYOUT	A2	DESIGNED	T. FAGNANT	CHECKED	C. TRIPP	DRAFTED	T. FAGNANT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	A3	17

	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		BM
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE	5+00	
MICELLANEOUS CENTERLINE	10+00	
STATION EQUATION	"L"48+97.23 POT BK= / "O"48+97.23 PC AHD	
PROJECT RIGHT-OF-WAY LINE	R/W	
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	T. 2 N. / T. 1 N. / T. 1 E. / T. 2 E.	
MEANDER LINE	M1 M2 M3	

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
FUEL LINE		
GAS LINE		
WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN (FLOW DIRECTION →)		
PROPOSED STORM DRAIN	S-10, S-11, P-11, P-10, SD, MH	
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE	MH	MH
SANITARY SEWER CLEAN OUT		
PIPE CULVERT		
AIRCRAFT TIE-DOWN		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
RAILROAD TRACKS		
RAILROAD DEVICES	CROSS-BUCK, FLASHING LIGHT	CANTILEVER, SWITCH
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS	H	H = HOUSE G = GARAGE M = MERCHANT/STORE B = BARN S = SHED P = PRIVY SS= SERVICE STATION W = WAREHOUSE
POST OR BOLLARD		
WELL OR MONITORING WELL	W	MW
SEPTIC PIPE	S	
FUEL TANK FILL PIPE/VENT	F	
SATELLITE DISH	SAT. DISH	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	42	42
SIGNAL FACE, BACKPLATE	42	42
SIGNAL FACE, LEFT TURN, BACKPLATE	43	43
SIGNAL FACE, PEDESTRIAN	41	41
LOOP DETECTOR	33	73
VIDEO DETECTOR	2	2
RADAR DETECTOR	4	4A
OPTICOM DETECTOR	1	1
PEDESTRIAN PUSH BUTTON	1	1
SIGNAL POST W/O MAST ARM		1
SIGNAL POLE W/MAST ARM		4
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		22
RIGID METAL CONDUIT		

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

LEGEND & SYMBOLS

FILE Q:\Gus\67517\Planset\67517_A3_SYMBOLS.dwg | DATE 7/8/2019 11:14 | LAYOUT A3 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION

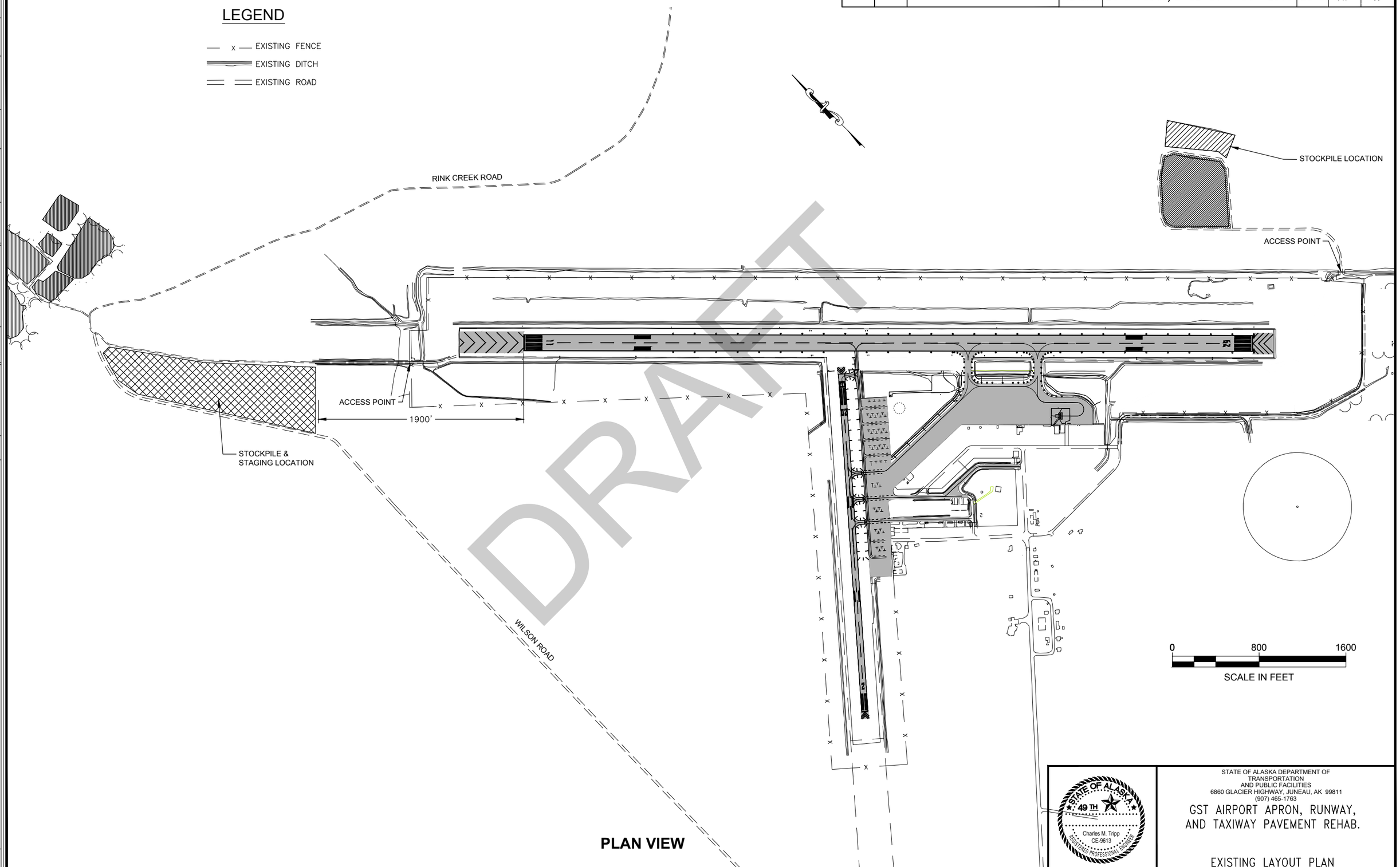
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	A7	17

LEGEND

EXISTING FENCE

EXISTING DITCH

EXISTING ROAD



PLAN VIEW

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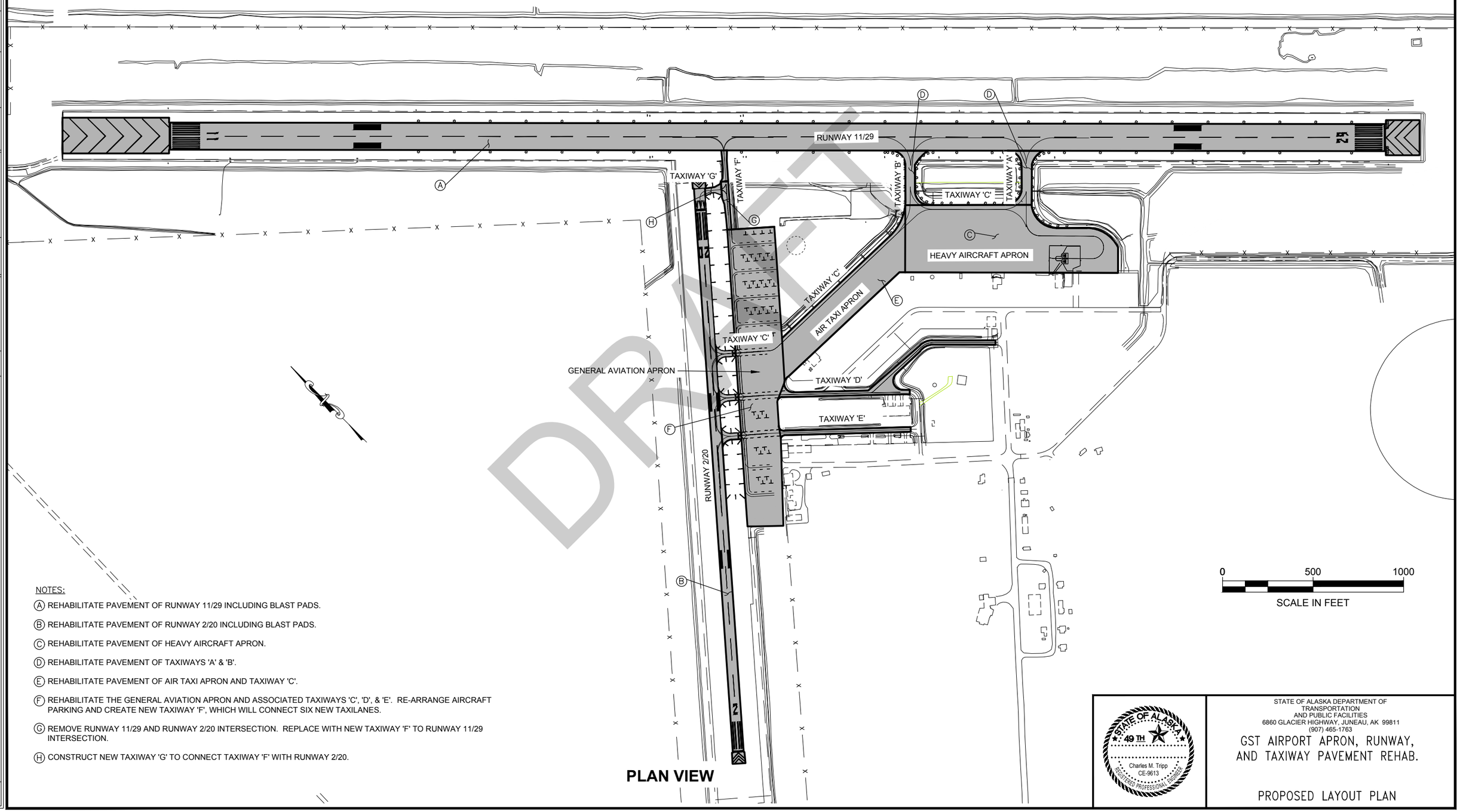
EXISTING LAYOUT PLAN

FILE	Q:\Gus\67517\Planset\67517_A7-A8_LAYOUT_PLAN.dwg	DATE	7/29/2019 15:47	LAYOUT	A7	DESIGNED	T. FAGNANT	CHECKED	C. TRIPP	DRAFTED	T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	A8	17

LEGEND

- EXISTING FENCE
- EXISTING DITCH
- EXISTING ROAD



PLAN VIEW

NOTES:

(A) REHABILITATE PAVEMENT OF RUNWAY 11/29 INCLUDING BLAST PADS.

(B) REHABILITATE PAVEMENT OF RUNWAY 2/20 INCLUDING BLAST PADS.

(C) REHABILITATE PAVEMENT OF HEAVY AIRCRAFT APRON.

(D) REHABILITATE PAVEMENT OF TAXIWAYS 'A' & 'B'.

(E) REHABILITATE PAVEMENT OF AIR TAXI APRON AND TAXIWAY 'C'.

(F) REHABILITATE THE GENERAL AVIATION APRON AND ASSOCIATED TAXIWAYS 'C', 'D', & 'E'. RE-ARRANGE AIRCRAFT PARKING AND CREATE NEW TAXIWAY 'F', WHICH WILL CONNECT SIX NEW TAXILANES.

(G) REMOVE RUNWAY 11/29 AND RUNWAY 2/20 INTERSECTION. REPLACE WITH NEW TAXIWAY 'F' TO RUNWAY 11/29 INTERSECTION.

(H) CONSTRUCT NEW TAXIWAY 'G' TO CONNECT TAXIWAY 'F' WITH RUNWAY 2/20.

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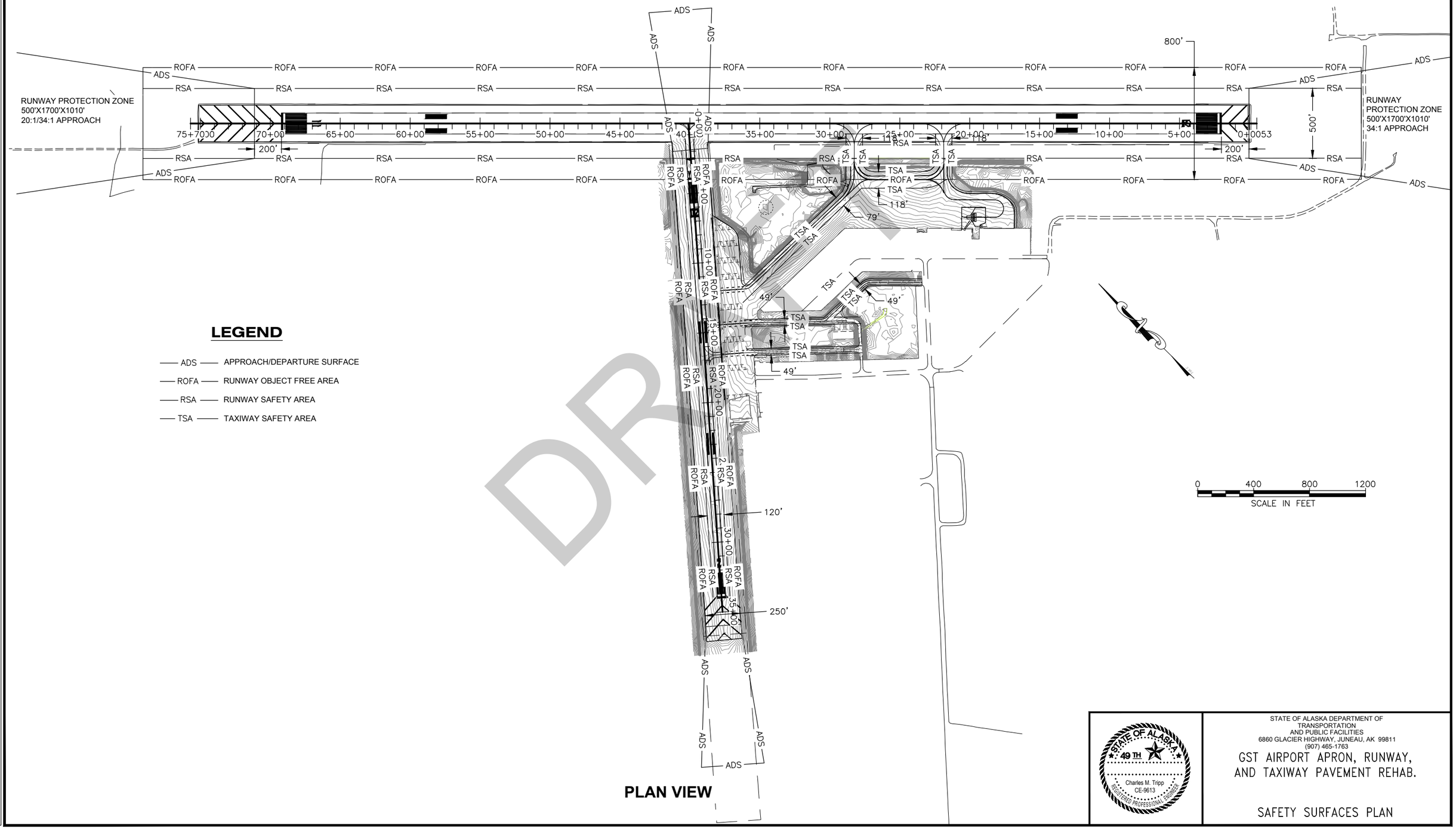
PROPOSED LAYOUT PLAN

DRAFT

FILE	Q:\Gus\67517\Planset\67517_A7-A8_LAYOUT_PLAN.dwg	DATE	7/29/2019 15:47	LAYOUT	A8	DESIGNED	T. FAGNANT	CHECKED	C. TRIPP	DRAFTED	T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	A9	17



LEGEND

- ADS — APPROACH/DEPARTURE SURFACE
- ROFA — RUNWAY OBJECT FREE AREA
- RSA — RUNWAY SAFETY AREA
- TSA — TAXIWAY SAFETY AREA

PLAN VIEW

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GST AIRPORT APRON, RUNWAY,
AND TAXIWAY PAVEMENT REHAB.

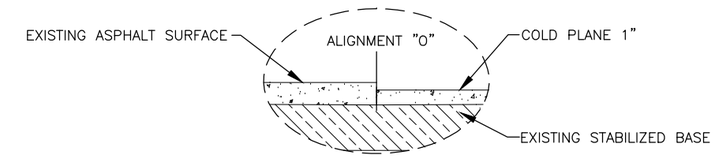
SAFETY SURFACES PLAN

FILE Q:\Gus\67517\Planset\67517_A9_SAFETY_SURFACES_PLAN.dwg | DATE 7/17/2019 9:11 | LAYOUT A9 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

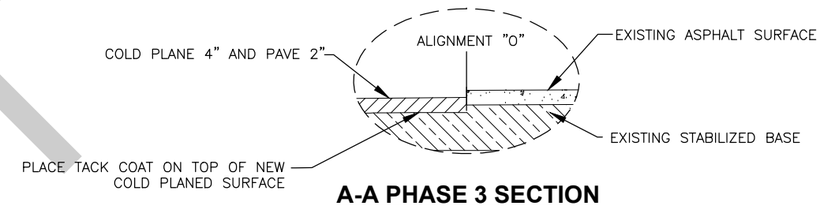
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	A10	17

SEQUENCING NOTES:

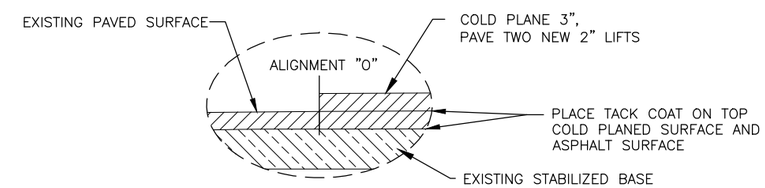
1. THE GENERAL SCOPE OF WORK FOR EACH STAGE IS DESCRIBED BELOW. PARTICULAR RESTRICTIONS ARE NOTED IN THE PLAN VIEW FOR EACH STAGE.
2. SHEETS A10-A15 SHOW THE CONSTRUCTION SEQUENCE FOR WORK UNDER THIS CONTRACT. THE TASKS SHOWN IN EACH STAGE MAY REQUIRE DIFFERENT SEQUENCING, OR CONCURRENT PROGRESS WITH OTHER TASKS TO ACCOMPLISH THE WORK. THE APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) AND SPECIFICATIONS PROVIDE ADDITIONAL GUIDANCE ON OPERATIONAL LIMITATIONS. STAGE CONSTRUCTION TO COMPLY WITH ALL CONDITIONS OF THE CSPP, THE SAFETY COMPLIANCE DOCUMENT (SPCD), SUBSECTION 80-04 LIMITATION OF OPERATIONS, AND PROJECT PERMIT STIPULATIONS.
3. WORK OUTSIDE THE EXISTING ACTIVE RUNWAY SAFETY AREA MAY BE PERFORMED AT CONTRACTOR'S DISCRETION SUBJECT TO THE LIMITS OF THE CSPP AND THE SPCD.
4. WHEN THE ACTIVE RUNWAY IS REDUCED TO 75' WIDTH, THE RUNWAY SAFETY AREA (RSA) REMAINS 500' WIDE IN THE EXISTING FOOTPRINT, THE CLOSED PORTIONS OF THE RUNWAY BECOME RSA.
5. RSA'S MUST BE CLEAR OF OBJECTS, VEHICLES AND EQUIPMENT WHILE AIRCRAFT ARE TAKING OFF OR LANDING.
6. THE RSA OF EITHER RUNWAY 11/29 OR RUNWAY 2/20 MUST BE CLEAR OF ALL VEHICLES AND OBSTRUCTIONS AND OPEN TO EMERGENCY MEDEVAC FLIGHTS WITHIN 15 MINUTES OF NOTIFICATION.
7. THE CLOSURE OF BOTH RUNWAYS SIMULTANEOUSLY WILL ONLY BE ALLOWED BETWEEN THE HOURS OF 9:00 PM AND 9:00 AM AND WILL ONLY BE ALLOWED TO ACCOMMODATE WORK OCCURRING WITH THE OVERLAPPING RSA S OF BOTH RUNWAYS. ONE RUNWAY MUST BE AVAILABLE FOR MEDEVAC FLIGHTS AT ALL TIMES.
8. USE THESE STAGES AS A BASIS FOR PREPARING STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MEASURES FOR EACH PHASE. THE PROJECT EROSION AND SEDIMENT CONTROL PLAN (ESCP) MEASURES APPLY TO ALL STAGES. PROVIDE SWPPP UPDATES AS EACH STAGE PROGRESSES.
9. ALL FAA FACILITIES SHALL REMAIN IN OPERATION THROUGHOUT THE PROJECT EXCEPT AS SPECIFIED IN THE APPROVED PHASING PLAN. DAMAGE TO FAA FACILITIES INCLUDING POWER DISRUPTION SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE FAA AT THE CONTRACTOR'S EXPENSE, AND SHALL BE REPORTED TO THE AIRPORT MANAGER.
10. HAVE AN APPROVED MIX DESIGN PRIOR TO COLD PLANING AND PAVING.
11. ENSURE ALL THE RUNWAY LIGHTS ARE LOCKED OUT OF CLOSED RUNWAYS. THE PRIMARY AND SUPPLEMENTAL WIND CONES LIGHTS AND ROTATING BEACON SHALL ALSO BE LOCKED OUT.
12. RUNWAY PAVING SHALL BE SEQUENCED WITH NIGHTTIME PAVING TECHNIQUES TO MAINTAIN AIR OPERATIONS ON WITH AT LEAST HALF OF THE WIDTH OF RUNWAY 11/29 OPEN DURING THE DAY.
13. THE PRESENCE OF COLD PLANED SURFACES AND PAVEMENT EDGES CARRY THE POTENTIAL FOR FOREIGN OBJECT DEBRIS (FOD) WHICH IS A HAZARD TO AIRCRAFT. ADEQUATELY CLEAN ALL FOD FROM MOVEMENT AREAS, AIRCRAFT PARKING AREAS, AND LOADING RAMPS PRIOR TO RE-OPENING THE RUNWAY TO AIR OPERATIONS.
14. ALLOW NEW PAVEMENT TO COOL TO ATMOSPHERIC TEMPERATURE PRIOR TO RE-OPENING THE RUNWAY ON THE NEWLY PAVED SURFACES.
15. FAILURE TO RE-OPEN RUNWAY 11/29 AS SPECIFIED WILL RESULT IN LIQUIDATED DAMAGES, SEE GCP 80-07.
16. KEEP ALL PEOPLE, EQUIPMENT AND MATERIALS OUTSIDE ACTIVE MOVEMENT AREAS AND THE RUNWAY SAFETY AREA WHEN THE ACTIVE RUNWAY IS OPEN TO AIR OPERATIONS.
17. PROVIDE SUFFICIENT BALLAST OR ANCHORING OF TEMPORARY LIGHTING TO WITHSTAND JET BLAST. SAND BAGS OR OTHER BALLAST MATERIALS MUST BE BLACK AND LESS THAN 3" HIGH.
18. EDGE LIGHTING SHOWN ON THE ACTIVE PHASE MUST BE IN PLACE PRIOR TO RE-OPENING RUNWAY 11/29 HALF-WIDTH OR FULL WIDTH.
19. PLACE TEMPORARY STRIPING ON THE NEWLY PLACED PAVEMENT WITH UNUSED MARKINGS OBLITERATED AS SPECIFIED PRIOR TO RE-OPENING THE RUNWAY. PHYSICALLY REMOVE ALL RUNWAY PAINTED MARKINGS THAT ARE NO LONGER NEEDED BY SAND BLASTING, CHEMICAL REMOVER OR BY OTHER MEANS. PAINTING OVER OR OTHERWISE MASKING TEMPORARY MARKINGS IS STRICTLY FORBIDDEN.
20. COVER OR DISABLE THE OPERATION OF RUNWAY EDGE LIGHTS, RUNWAY THRESHOLD LIGHTS, TAXIWAY EDGE LIGHTS, AND REILS WHICH FUNCTION TO IDENTIFY A CLOSED PORTION OF A RUNWAY OR TAXIWAY.



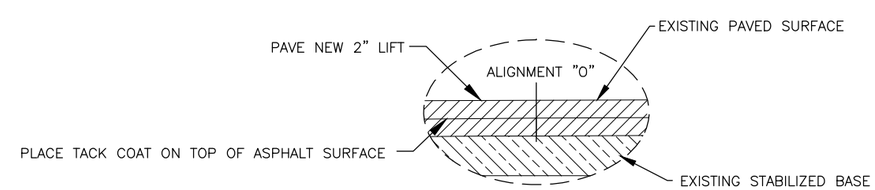
A-A PHASE 2 SECTION
SOUTH HALF OF RUNWAY 11/29 CLOSURE



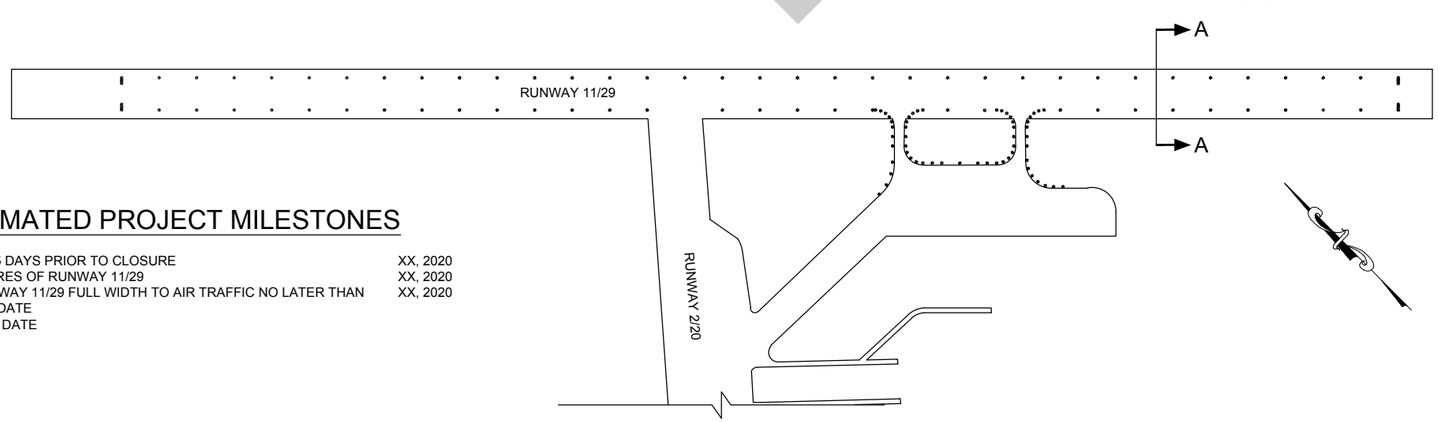
A-A PHASE 3 SECTION
NORTH HALF OF RUNWAY 11/29 CLOSURE



A-A PHASE 4 SECTION
SOUTH HALF OF RUNWAY 11/29 CLOSURE



A-A PHASE 5 SECTION
NORTH HALF OF RUNWAY 11/29 CLOSURE



RUNWAY 11/29 PHASING FOR PAVING AND COLD PLANING

ESTIMATED PROJECT MILESTONES

NOTIFY FAA 45 DAYS PRIOR TO CLOSURE	XX, 2020
BEGIN CLOSURES OF RUNWAY 11/29	XX, 2020
RE-OPEN RUNWAY 11/29 FULL WIDTH TO AIR TRAFFIC NO LATER THAN	XX, 2020
PUBLICATION DATE	
NOTIFICATION DATE	

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Charles M. Tripp CE-9613

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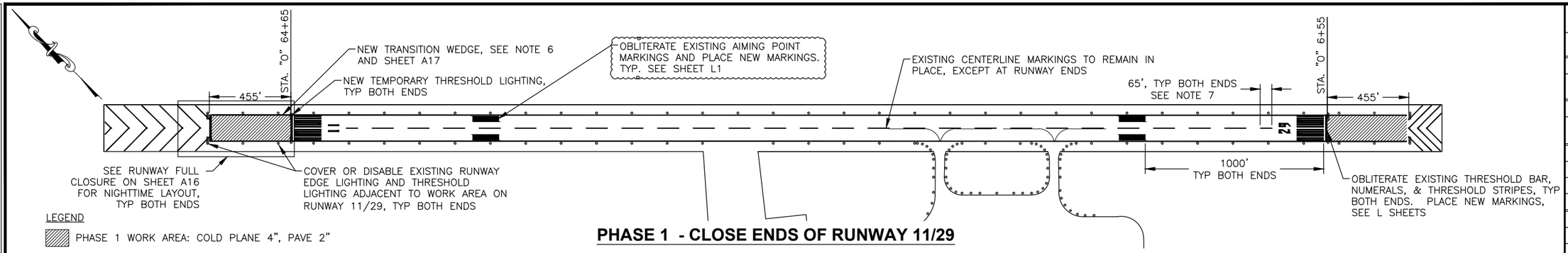
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

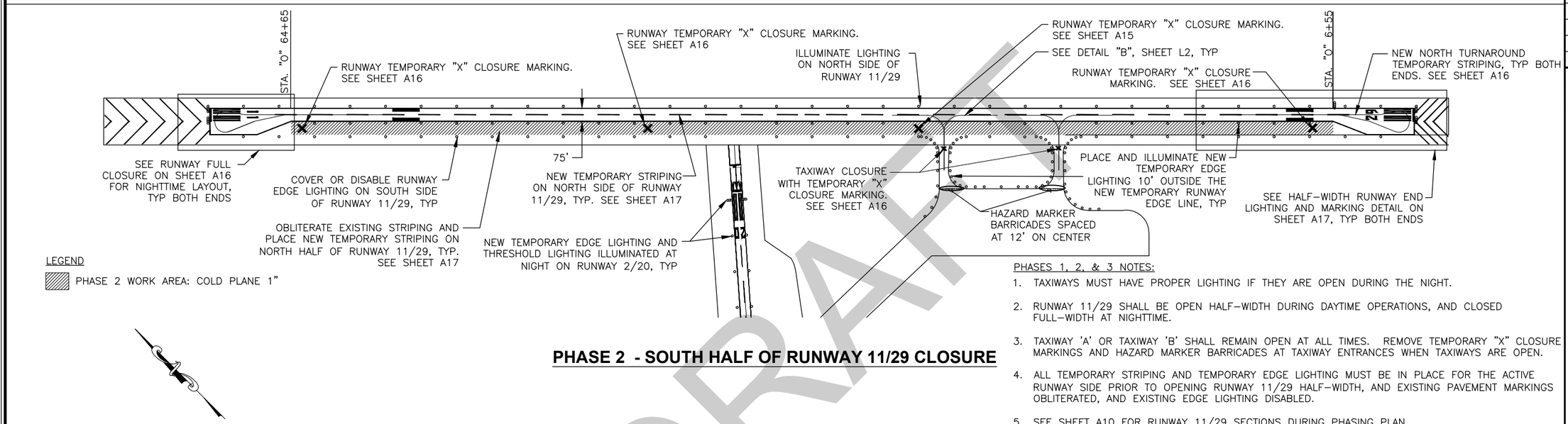
CONSTRUCTION SAFETY & PHASING PLAN

DRAFT

FILE Q:\Gus\67517\Planset\67517_A10-A17_CSPP.dwg | DATE 8/21/2019 8:48 | LAYOUT A10 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



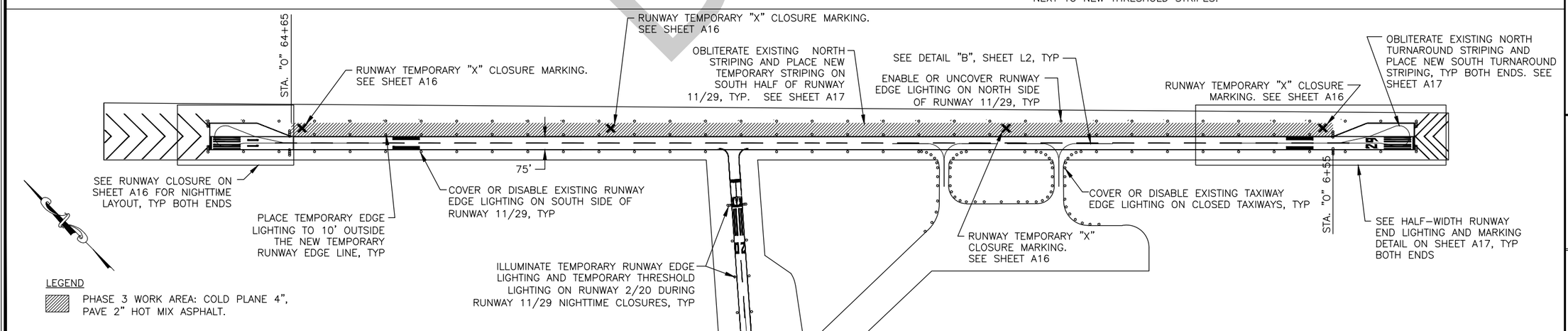
PHASE 1 - CLOSE ENDS OF RUNWAY 11/29



PHASE 2 - SOUTH HALF OF RUNWAY 11/29 CLOSURE

PHASES 1, 2, & 3 NOTES:

1. TAXIWAYS MUST HAVE PROPER LIGHTING IF THEY ARE OPEN DURING THE NIGHT.
2. RUNWAY 11/29 SHALL BE OPEN HALF-WIDTH DURING DAYTIME OPERATIONS, AND CLOSED FULL-WIDTH AT NIGHTTIME.
3. TAXIWAY 'A' OR TAXIWAY 'B' SHALL REMAIN OPEN AT ALL TIMES. REMOVE TEMPORARY "X" CLOSURE MARKINGS AND HAZARD MARKER BARRICADES AT TAXIWAY ENTRANCES WHEN TAXIWAYS ARE OPEN.
4. ALL TEMPORARY STRIPING AND TEMPORARY EDGE LIGHTING MUST BE IN PLACE FOR THE ACTIVE RUNWAY SIDE PRIOR TO OPENING RUNWAY 11/29 HALF-WIDTH, AND EXISTING PAVEMENT MARKINGS OBLITERATED, AND EXISTING EDGE LIGHTING DISABLED.
5. SEE SHEET A10 FOR RUNWAY 11/29 SECTIONS DURING PHASING PLAN.
6. PLACE TRANSITION WEDGE SHOWN ON SHEET A17 AROUND THE PERIMETER OF WORK AREAS DURING PHASE 1, PRIOR TO REOPENING RUNWAY 11/29.
7. OBLITERATE 55' OF THE CENTERLINE MARKINGS THAT ARE WITHIN 40' DISTANCE OF THE NUMERALS ON BOTH ENDS OF RUNWAY 11/29. OBLITERATE ENTIRE CENTERLINE MARKINGS THAT ARE LOCATED NEXT TO NEW THRESHOLD STRIPES.



PHASE 3 - SOUTH HALF OF RUNWAY 11/29 CLOSURE

DRAFT

SHEET NO.	TOTAL SHEETS
A11	17
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION: Z675170000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

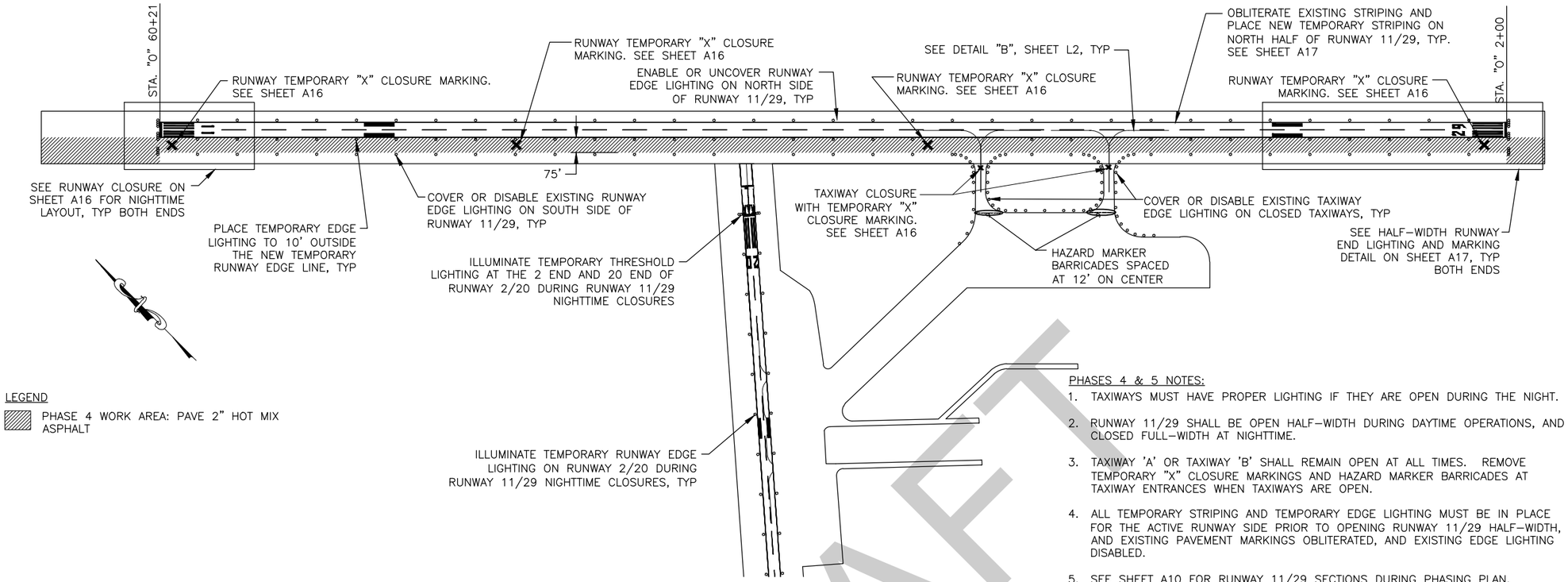
STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN

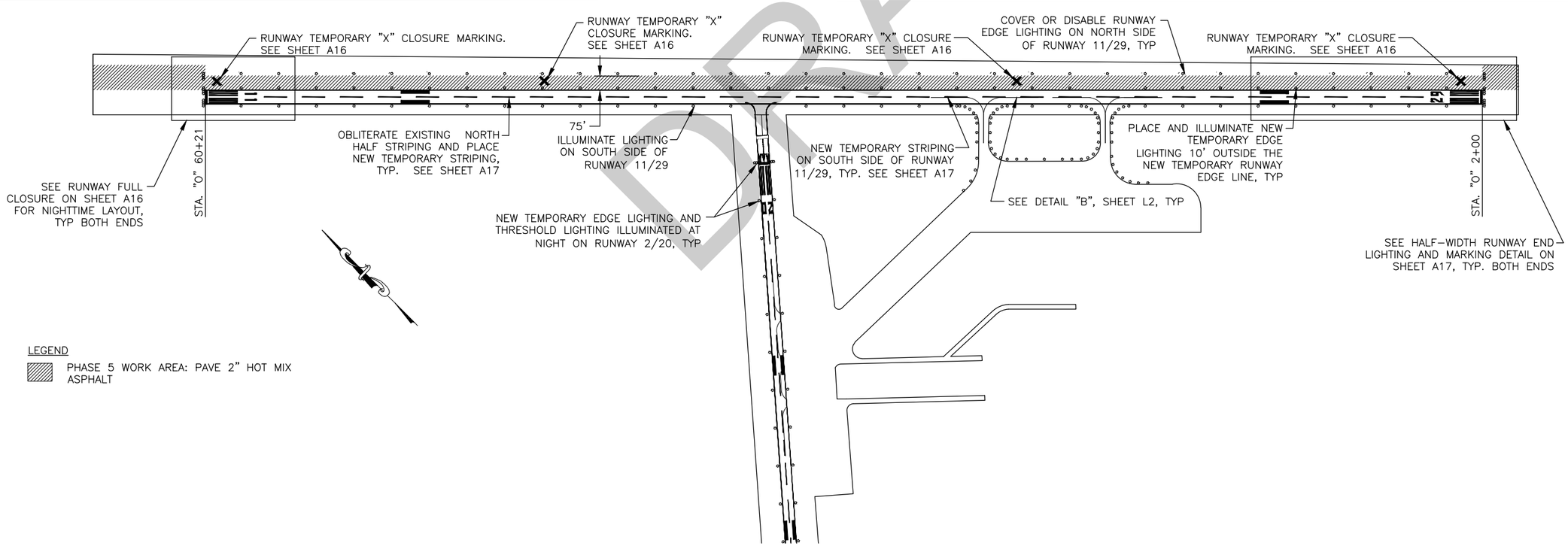
DATE | 8/21/2019 11:55 | LAYOUT | A11 | FILE | Q:\Gus\675170\Planset\675170_A10-A17_CSPP.dwg | DESIGNED | T. FAGNANT | CHECKED | C. TRIPP | DRAFTED | T. FAGNANT



PHASES 4 & 5 NOTES:

1. TAXIWAYS MUST HAVE PROPER LIGHTING IF THEY ARE OPEN DURING THE NIGHT.
2. RUNWAY 11/29 SHALL BE OPEN HALF-WIDTH DURING DAYTIME OPERATIONS, AND CLOSED FULL-WIDTH AT NIGHTTIME.
3. TAXIWAY 'A' OR TAXIWAY 'B' SHALL REMAIN OPEN AT ALL TIMES. REMOVE TEMPORARY "X" CLOSURE MARKINGS AND HAZARD MARKER BARRICADES AT TAXIWAY ENTRANCES WHEN TAXIWAYS ARE OPEN.
4. ALL TEMPORARY STRIPING AND TEMPORARY EDGE LIGHTING MUST BE IN PLACE FOR THE ACTIVE RUNWAY SIDE PRIOR TO OPENING RUNWAY 11/29 HALF-WIDTH, AND EXISTING PAVEMENT MARKINGS OBLITERATED, AND EXISTING EDGE LIGHTING DISABLED.
5. SEE SHEET A10 FOR RUNWAY 11/29 SECTIONS DURING PHASING PLAN.

PHASE 4 - SOUTH HALF OF RUNWAY 11/29 CLOSURE



PHASE 5 - NORTH HALF OF RUNWAY 11/29 CLOSURE

DRAFT

SHEET NO.	TOTAL SHEETS
A12	17
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION: Z675170000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

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(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN

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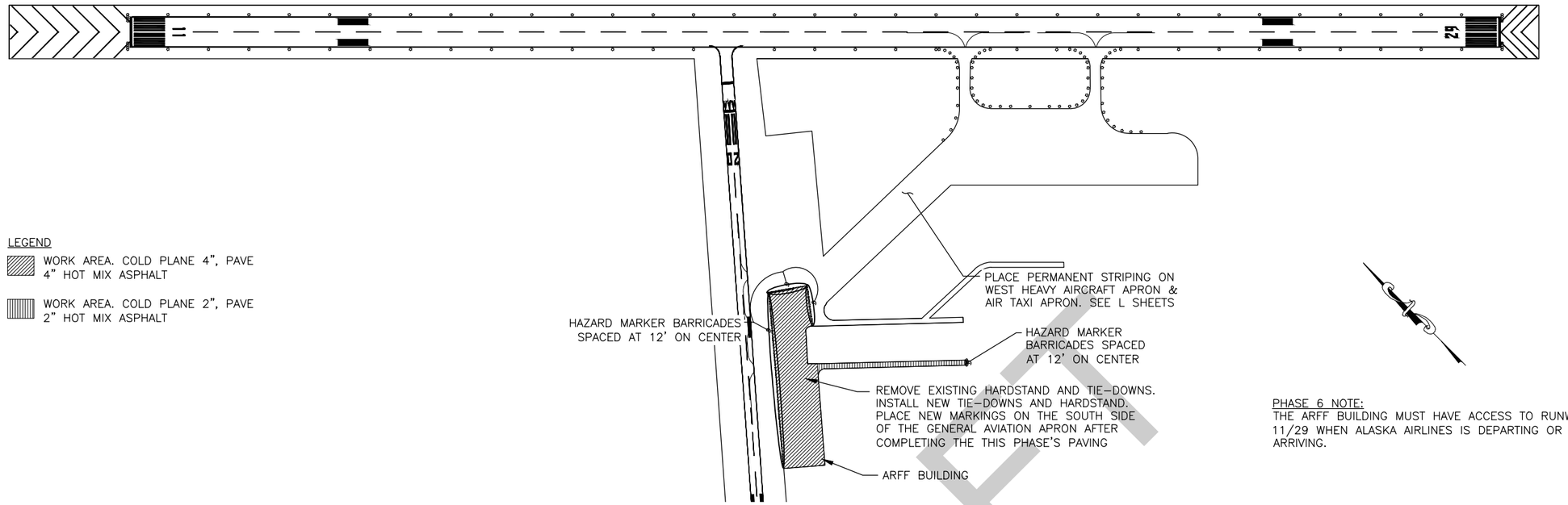


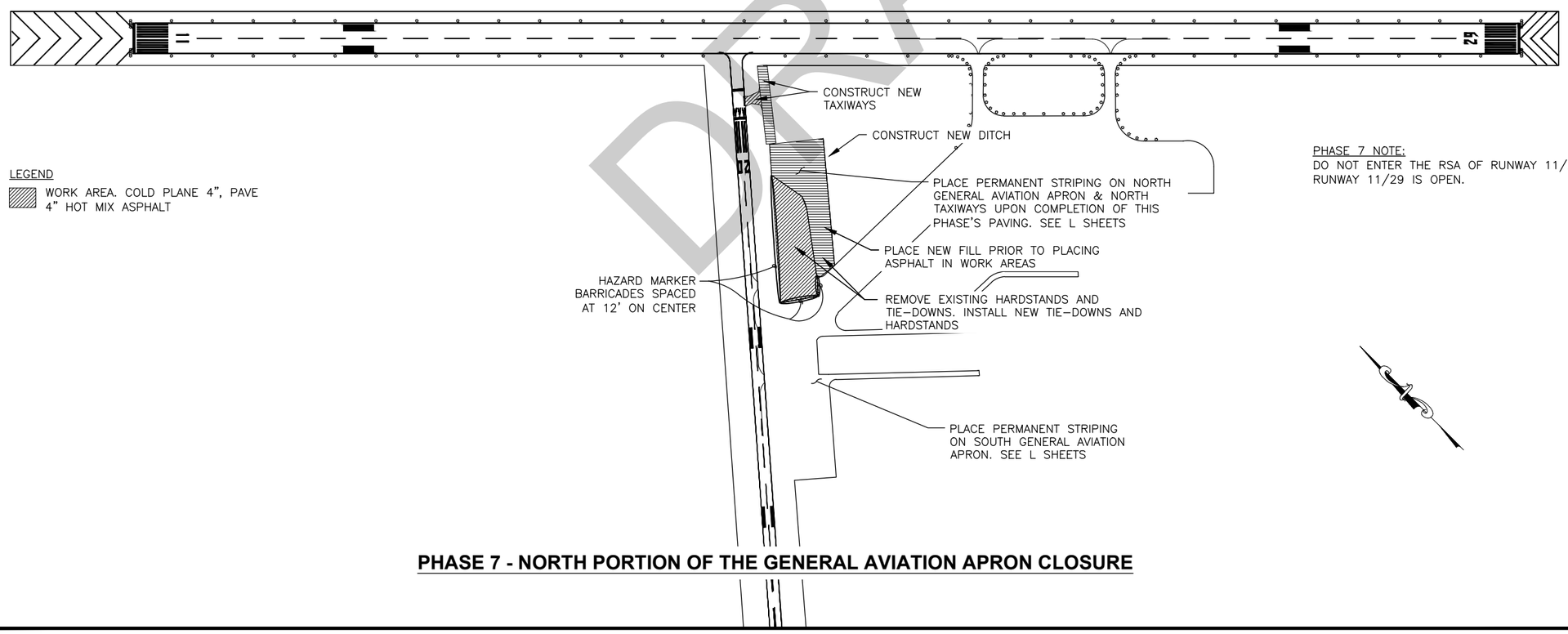
LEGEND

WORK AREA. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT

WORK AREA. COLD PLANE 2", PAVE 2" HOT MIX ASPHALT

PHASE 6 NOTE:
THE ARFF BUILDING MUST HAVE ACCESS TO RUNWAY 11/29 WHEN ALASKA AIRLINES IS DEPARTING OR ARRIVING.

PHASE 6 - SOUTH PORTION OF THE GENERAL AVIATION APRON AND TAXIWAY 'E' CLOSURES



LEGEND

WORK AREA. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT

PHASE 7 NOTE:
DO NOT ENTER THE RSA OF RUNWAY 11/29 WHILE RUNWAY 11/29 IS OPEN.

PHASE 7 - NORTH PORTION OF THE GENERAL AVIATION APRON CLOSURE

DRAFT

SHEET NO.	TOTAL SHEETS
A13	17
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
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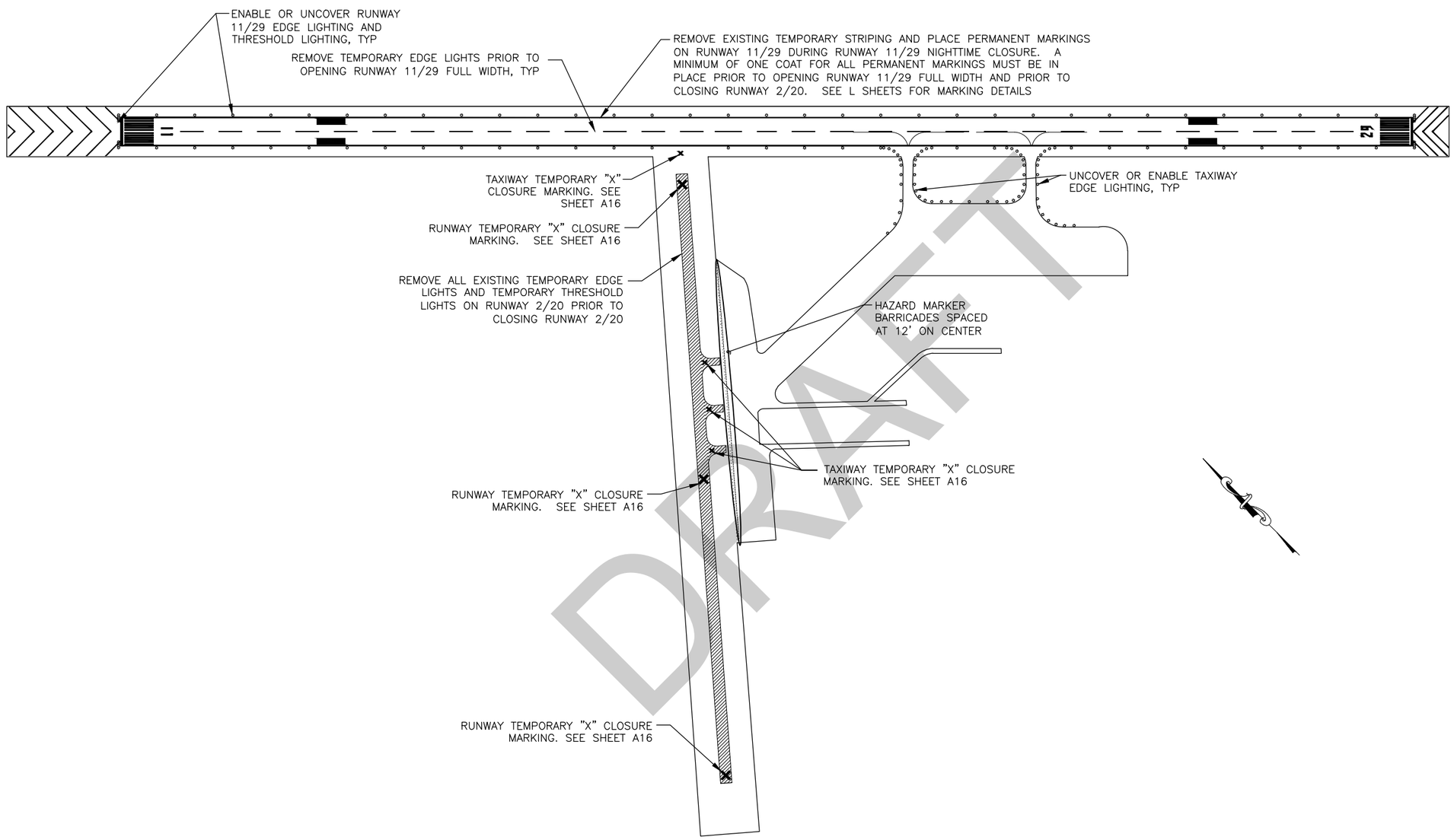
LEGEND

WORK AREA. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT



DRAFT

PHASE 8 - RUNWAY 2/20 CLOSURE

SHEET NO.	TOTAL SHEETS
A14	17
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION: Z675170000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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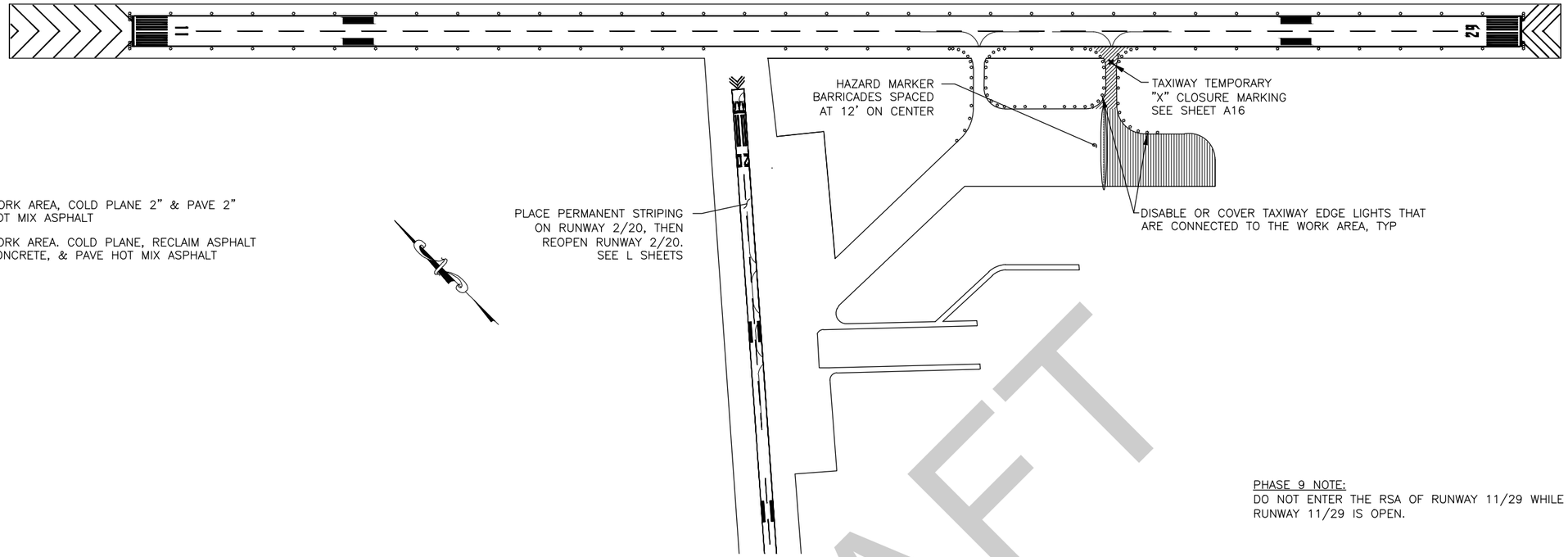
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN

FILE Q:\Gust\67517\Planset\67517_A10-A17_CSPP.dwg | DATE 8/21/2019 8:48 | LAYOUT A14 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



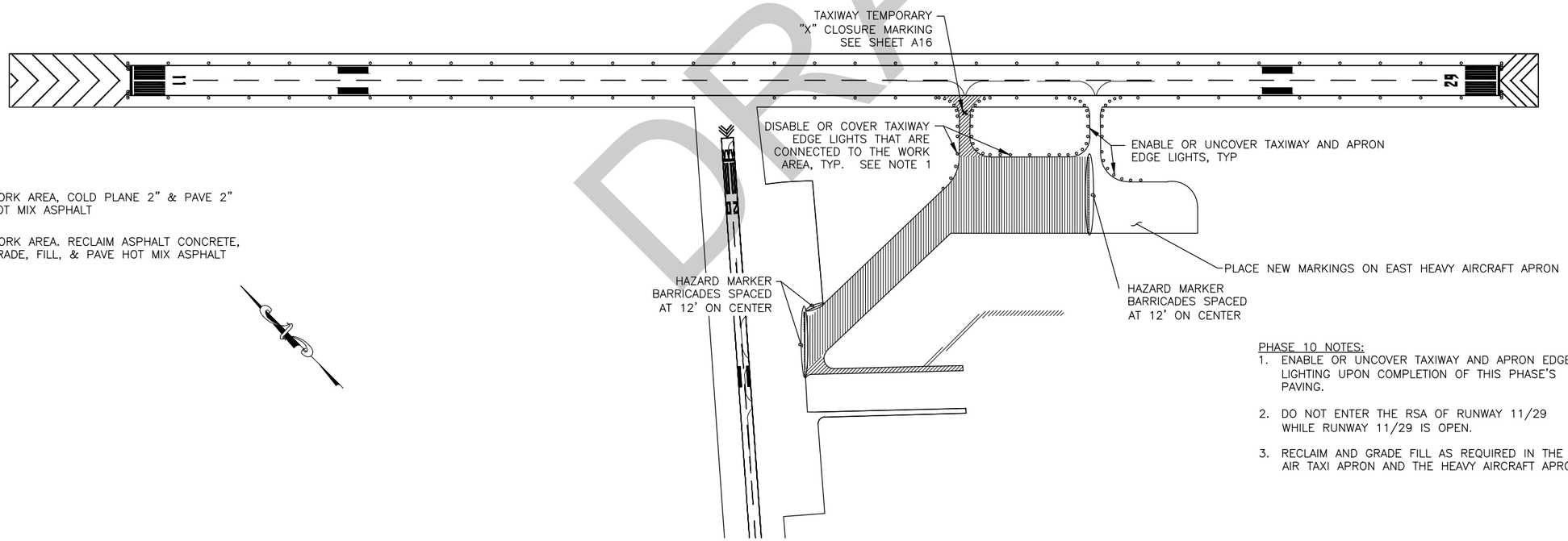
LEGEND

WORK AREA, COLD PLANE 2" & PAVE 2" HOT MIX ASPHALT

WORK AREA. COLD PLANE, RECLAIM ASPHALT CONCRETE, & PAVE HOT MIX ASPHALT

PHASE 9 NOTE:
DO NOT ENTER THE RSA OF RUNWAY 11/29 WHILE RUNWAY 11/29 IS OPEN.

PHASE 9 - EAST PORTION OF THE HEAVY AIRCRAFT APRON, TAXIWAY 'A', AND EAST PORTION OF TAXIWAY 'C' CLOSURE



LEGEND

WORK AREA, COLD PLANE 2" & PAVE 2" HOT MIX ASPHALT

WORK AREA. RECLAIM ASPHALT CONCRETE, GRADE, FILL, & PAVE HOT MIX ASPHALT

PHASE 10 NOTES:
1. ENABLE OR UNCOVER TAXIWAY AND APRON EDGE LIGHTING UPON COMPLETION OF THIS PHASE'S PAVING.
2. DO NOT ENTER THE RSA OF RUNWAY 11/29 WHILE RUNWAY 11/29 IS OPEN.
3. RECLAIM AND GRADE FILL AS REQUIRED IN THE AIR TAXI APRON AND THE HEAVY AIRCRAFT APRON.

PHASE 10 - AIR TAXI APRON, TAXIWAY 'B', TAXIWAY 'D', WEST PORTION OF TAXIWAY 'C', AND WEST PORTION OF THE HEAVY AIRCRAFT APRON CLOSURE

DRAFT

SHEET NO.	TOTAL SHEETS
A15	17
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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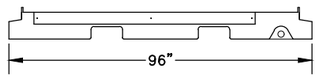
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

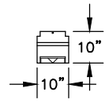
CONSTRUCTION SAFETY & PHASING PLAN

FILE Q:\Gus\67517\Planset\67517_A10-A17_CSPP.dwg | DATE 8/21/2019 8:48 | LAYOUT A15 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

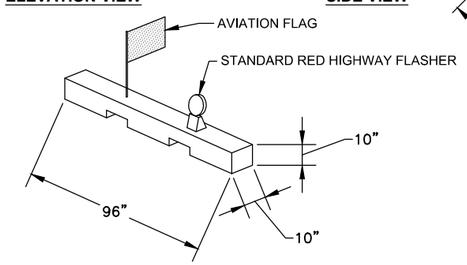
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	A16	17



ELEVATION VIEW



SIDE VIEW

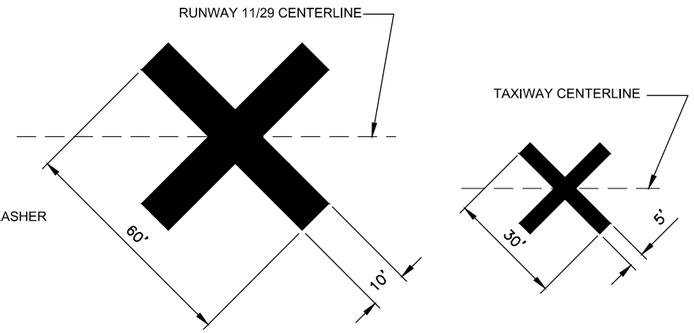


PREPARATION OF FLAG & FLASHER MOUNT DETAIL

HAZARDOUS AREA BARRICADES

HAZARD AREA BARRICADE NOTES:

1. PLACE BARRICADES TO LIMIT ACCESS TO THE CLOSED TAXIWAY AND APRON AREAS. USE LOW STYLE BARRICADES (LESS THAN 12 INCHES HIGH) WHEN ADJACENT TO AN ACTIVE MOVEMENT AREA.
2. FLAGS SHALL ALTERNATE COLOR (ORANGE/WHITE) ON EACH BARRICADE AS THEY ARE PLACED IN THE AIRPORT OPERATIONS AREA, IN SEQUENCE.

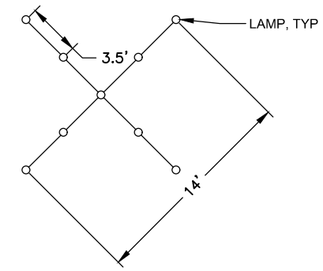


CLOSED RUNWAY

CLOSED TAXIWAY

TEMPORARY "X" CLOSURE MARKING

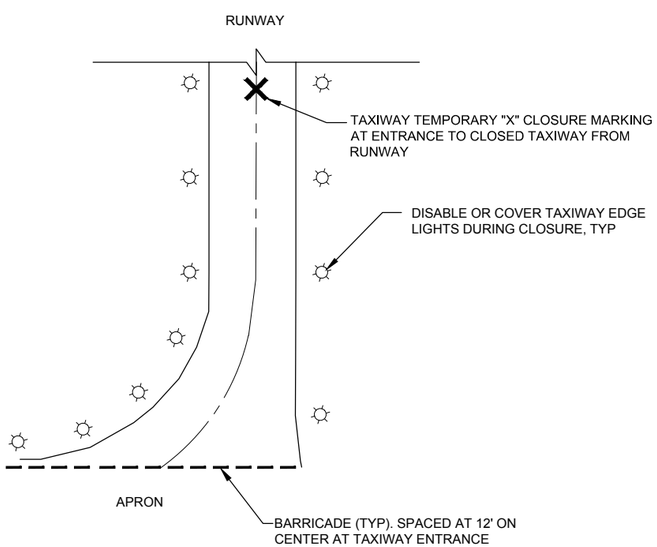
CROSSES SHALL BE YELLOW, CONSTRUCTED OF PLASTIC OR WOOD AND WEIGHTED DOWN AT THE RUNWAY OR TAXIWAY SO AS TO NOT BE MOVED BY WIND, PROP WASH OR JET BLAST. WEIGHTS SHALL BE THE SAME COLOR AS THE MARKING.



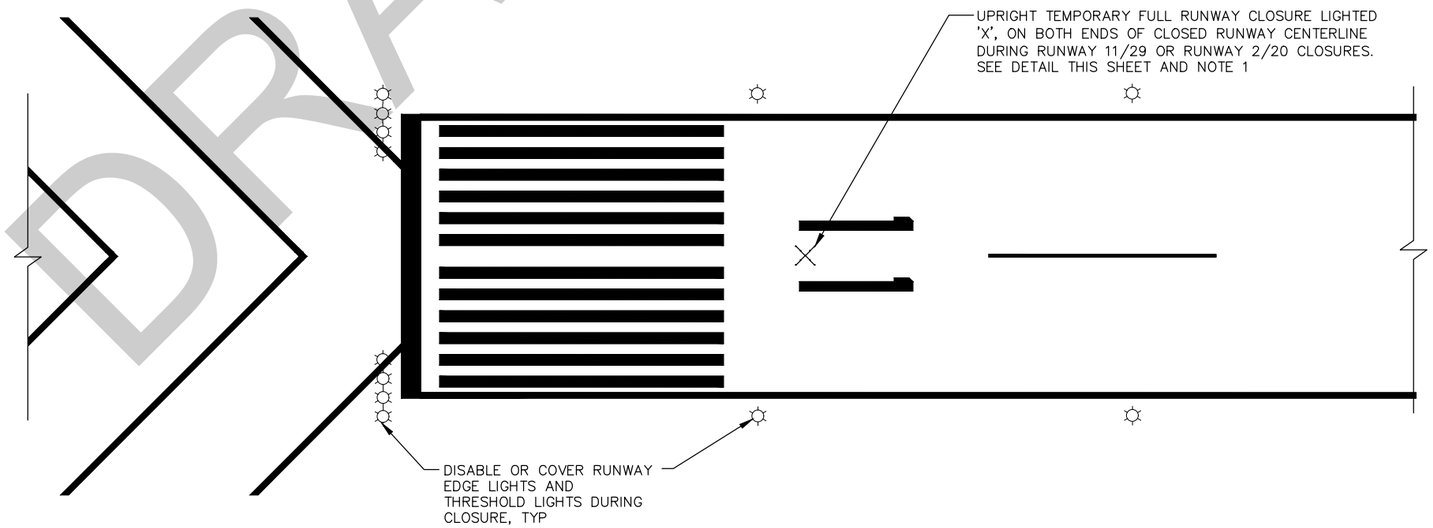
TEMPORARY FULL RUNWAY CLOSURE LIGHTED 'X'

TEMPORARY FULL RUNWAY CLOSURE LIGHTED 'X' NOTES

1. REFER TO AC 150/5345-55 FOR DETAILS AND SPECIFICATIONS FOR LIGHTED 'X'.
2. CROSSES SHALL HAVE A MEANS FOR ADJUSTING AND LEVELING TO ALLOW TILTING TO AN OPTIMUM ANGLE OF 5 DEGREES FROM VERTICAL.
3. PLACE CROSSES AT EACH CLOSED END OF RUNWAYS ON THE RUNWAY CENTERLINE AT THE RUNWAY DESIGNATION NUMBERS.
4. LIGHTED 'X' MARKINGS ARE FOR FULL CLOSURES ONLY AND MUST BE COMPLETELY REMOVED FROM THE RUNWAY AND SAFETY AREAS PRIOR TO ANY NIGHTTIME EMERGENCY ARRIVAL OR DEPARTURE.



TAXIWAY CLOSURE



RUNWAY FULL CLOSURE

NOTES:

1. RUNWAY FULL CLOSURE IS TYPICAL FOR ALL RUNWAY ENDS DURING THEIR RUNWAY CLOSURE.
2. TAXIWAY CLOSURE IS TYPICAL FOR ALL TAXIWAYS THAT ARE CONNECTED TO A CLOSED RUNWAY.

DRAFT

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN DETAILS

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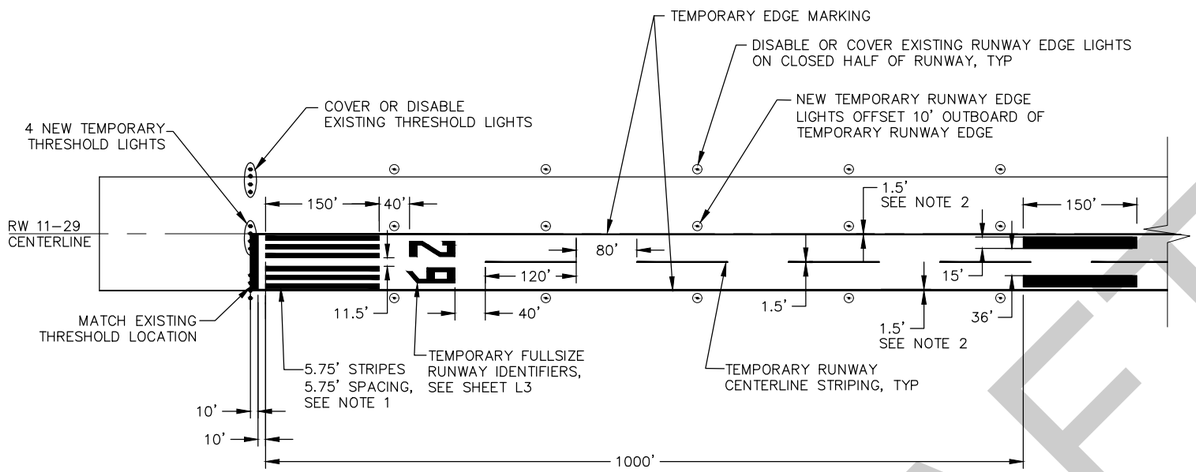
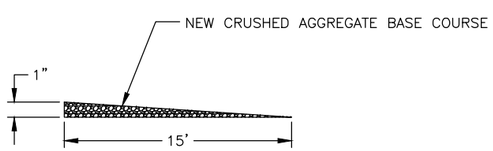
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	A17	17

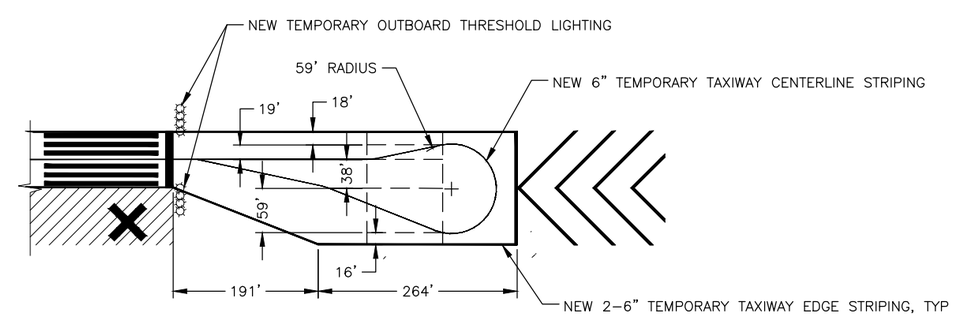


HALF-WIDTH RUNWAY END LIGHTING AND MARKING

HALF-WIDTH RUNWAY END LIGHTING AND MARKING DETAIL IS TYPICAL FOR THE 11 END AND THE 29 END OF RUNWAY 11/29 DURING PHASES 2-5. ALL DIMENSIONS SHOWN ON THIS DETAIL ARE TYPICAL



TRANSITION WEDGE



RUNWAY 11/29 TURNAROUND

NORTH TURNAROUND STRIPING SHOWN. STRIPING IS MIRRORED ACROSS THE CENTERLINE OF RUNWAY 11/29 FOR SOUTH TURNAROUND STRIPING

NOTES:

1. DURING PHASE 2, THE STRIPE-GAP PATTERN SHALL BE 5.5'.
2. DURING PHASE 2, DISTANCE SHALL BE 3'.
3. THE MARKING AND LIGHTING DETAILS SHOWN ARE MIRRORED ON THE OPPOSITE SIDE OF THE RUNWAY DURING SOUTH HALF CLOSURES.
4. THE CENTERLINE STRIPE AT THE MIDPOINT OF THE RUNWAY SHALL BE 100' LONG WHEN RUNWAY 11/29 IS FULL LENGTH.

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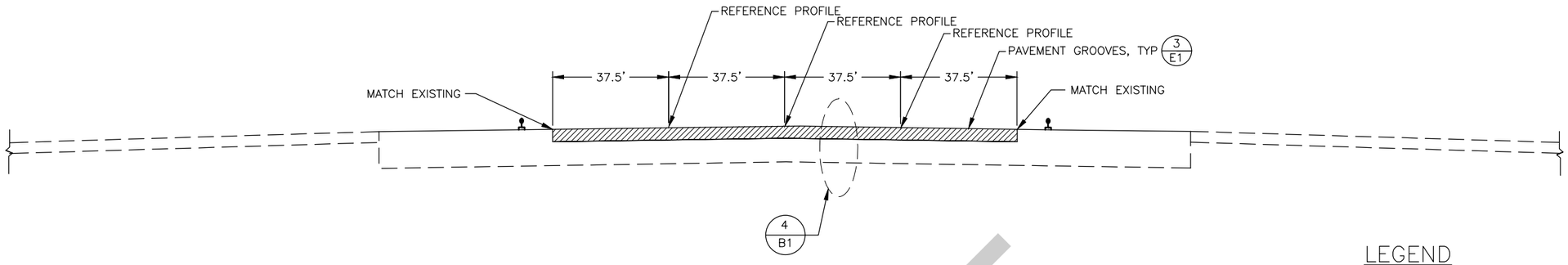
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

CONSTRUCTION SAFETY & PHASING PLAN DETAILS

FILE Q:\Gus\67517\Planset\67517_A10-A17_CSPP.dwg | DATE 8/21/2019 8:48 | LAYOUT A17 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	B1	5

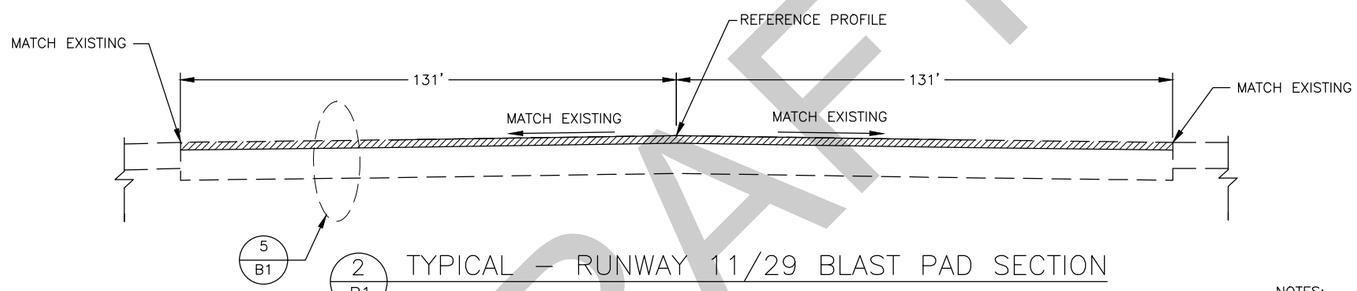


1/B1 TYPICAL – RUNWAY 11/29 SECTION

"0" STA 2+00 TO 69+20
N.T.S.

LEGEND

1. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT IN TWO 2-INCH LIFTS
2. TACK COAT
3. COLD PLANE 2", PAVE 2" HOT MIX ASPHALT IN ONE 2-INCH LIFT
4. ASPHALT CONCRETE PAVEMENT (EXISTING)

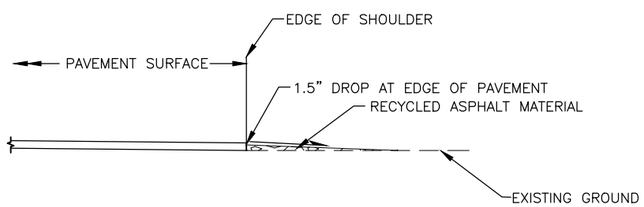


2/B1 TYPICAL – RUNWAY 11/29 BLAST PAD SECTION

"0" STA -0+03 TO 2+00 AND 69+20 TO 75+12
N.T.S.

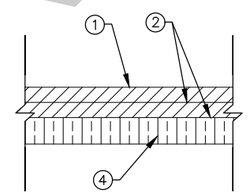
NOTES:

1. PRIOR TO COLD PLANING, SURVEY THE REFERENCE PROFILES AT 25 FOOT INTERVALS TO ESTABLISH THE REFERENCE PROFILES. THE RUNWAY HAS A KEEL CROSS SECTION WITH A STEEPER CROSS SLOPE TO 37.5' LEFT/RIGHT, THEN A FLATTER CROSS SLOPE TO THE RUNWAY EDGE.
2. MAP CRACKS PRIOR TO COLD PLANING. AFTER COLD PLANING, REPAIR CRACKS (SEE SHEET E1) ON THE BASIS OF PRIOR MAPPING EVEN WHERE CRACKS ARE NO LONGER VISIBLE AFTER COLD PLANING.



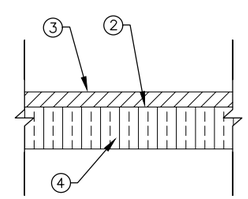
3/B1 LINEAR GRADING

N.T.S.



4/B1 STRUCTURAL SECTION – COLD PLANE & PAVE RUNWAY 11/29

N.T.S.



5/B1 STRUCTURAL SECTION – COLD PLANE & PAVE RUNWAY 11/29 BLAST PADS

N.T.S.

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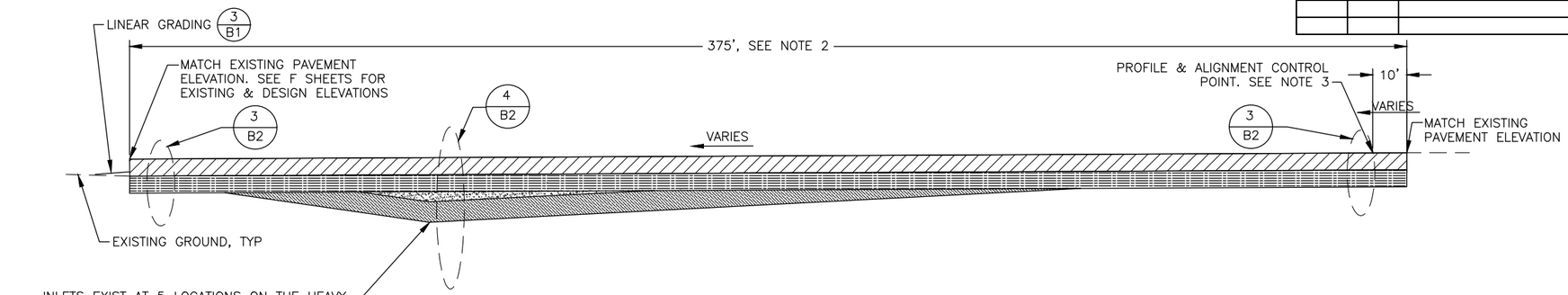
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

TYPICAL SECTIONS

FILE Q:\Gus\67517\Planset\67517_B1-B5_TYPICAL_SECTIONS.dwg | DATE 9/4/2019 15:44 | LAYOUT B1 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

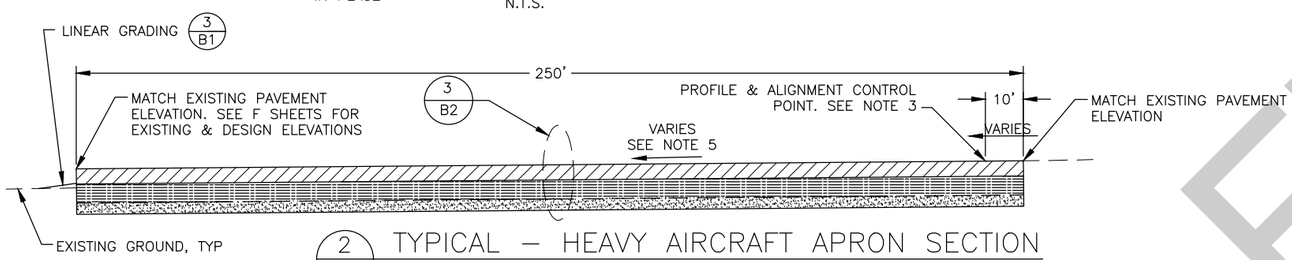
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	B2	5



1/B2 TYPICAL – HEAVY AIRCRAFT APRON SECTION

"H" STA 10+00 TO 16+73
N.T.S.



2/B2 TYPICAL – HEAVY AIRCRAFT APRON SECTION

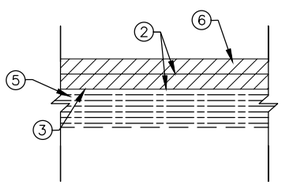
"H" STA 16+73 TO 22+12
N.T.S.

NOTES:

1. MATCH TRANSITION FROM "H" 10+00 TO "H" 11+20 WITH "T" 19+24 TO "T" 20+97.
2. WIDTH OF HEAVY AIRCRAFT TYPICAL SECTION VARIES FROM "H" 16+00 TO "H" 18+70. MATCH TAXIWAY EDGE AND OMIT LINEAR GRADING WHERE EDGE OF HEAVY AIRCRAFT APRON PAVEMENT INTERSECTS ASPHALT PAVEMENT.
3. TRANSITION FROM 'MATCH EXISTING PAVEMENT ELEVATION' AT THE EDGE OF NEW PAVEMENT TO THE DESIGN PROFILE AT THE CONTROL POINT.
4. TRANSITION THE PAVEMENT AT THE INTERSECTION WITH THE AIR TAXI APRON AND THE GENERAL AVIATION TRANSITION AREA OVER A DISTANCE OF TEN FEET TO CONNECT FLUSH AT THE TWO EDGES.
5. SLOPE TO MATCH ALASKA AIRLINES HARDSTAND WHILE MAINTAINING A NET 1.75' ELEVATION CHANGE FROM PROFILE TO EDGE OF THE APRON.
6. TRANSITION CROSS SLOPE OF HEAVY AIRCRAFT APRON FROM 0.91%± TO 0.5%± FROM "H" 10+00 TO 10+41.

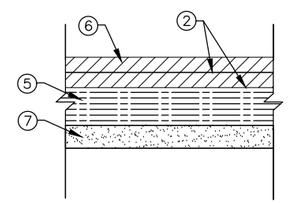
HEAVY AIRCRAFT APRON "H" CROSS SLOPE SUMMARY

FROM STA.	TO STA.	CROSS SLOPE	NOTES
10+00	10+41	0.91%	TRANSITION FROM AIR TAXI APRON TO HEAVY AIRCRAFT APRON
10+41	11+34	0.50%	MATCH EXISTING AT TAXIWAY 'B' ENTRANCE
11+34	11+75	0.45%	
11+75	13+75	0.35%	
13+75	14+50	0.40%	
14+50	15+50	0.45%	
15+50	16+80	0.50%	
16+80	17+35	0.45%	MATCH EXISTING AT TAXIWAY 'A' ENTRANCE
17+35	17+75	0.50%	VARIABLE WIDTH AROUND CURVE
17+75	18+75	0.70%	VARIABLE WIDTH AROUND CURVE
18+75	19+25	0.80%	
19+25	20+00	0.75%	
20+00	21+00	0.65%	VARIABLE WIDTH AROUND CURVE
21+00	22+12	0.70%	VARIABLE WIDTH AROUND CURVE



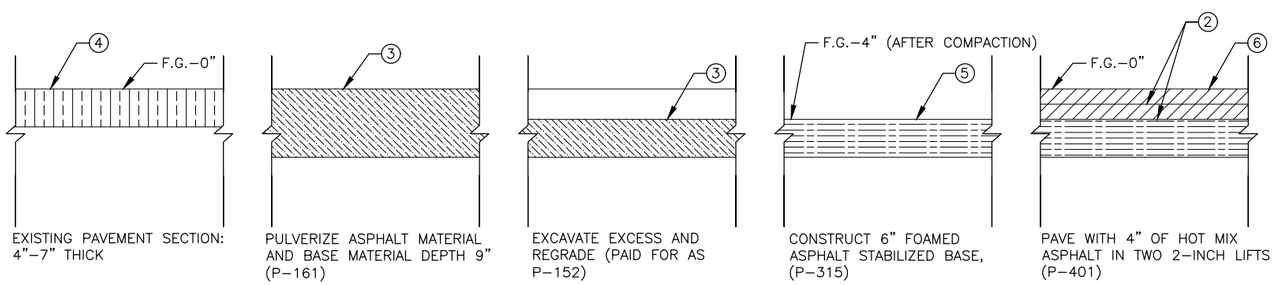
3/B2 STRUCTURAL SECTION – RECLAIM 9" & PAVE HEAVY AIRCRAFT APRON

N.T.S.



4/B2 STRUCTURAL SECTION – PLACE FILL & PAVE HEAVY AIRCRAFT APRON

N.T.S.



5/B2 CONSTRUCTION SEQUENCE – RECYCLING EXISTING ASPHALT

"H" STA 16+73 TO 22+12
N.T.S.

LEGEND

1. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT IN TWO 2–INCH LIFTS
2. TACK COAT
3. RECLAIM 9" ASPHALT AND GRADE TO F.G. MINUS 4"
4. ASPHALT CONCRETE PAVEMENT (EXISTING)
5. 5" EMULSIFIED ASPHALT TREATED BASE COURSE (P–315)
6. PAVE 4" HOT MIX ASPHALT IN TWO 2–INCH LIFTS
7. DEPENDING ON LOCATION, EITHER SUBGRADE OR REGRADED RECYCLED ASPHALT PAVEMENT

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

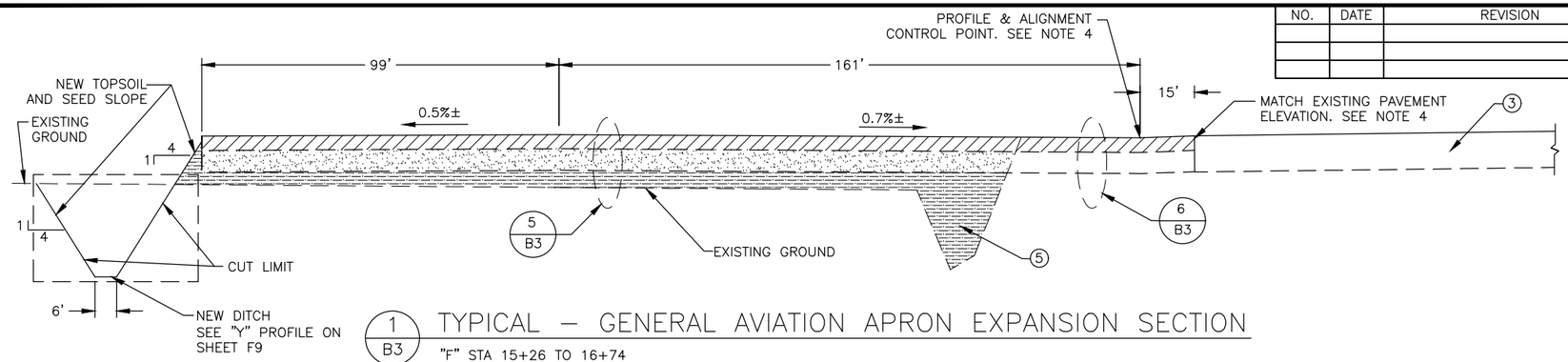
TYPICAL SECTIONS

DRAFT

FILE Q:\Gus\67517\Planset\67517_B1-B5_TYPICAL_SECTIONS.dwg | DATE 8/21/2019 8:38 | LAYOUT B2 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

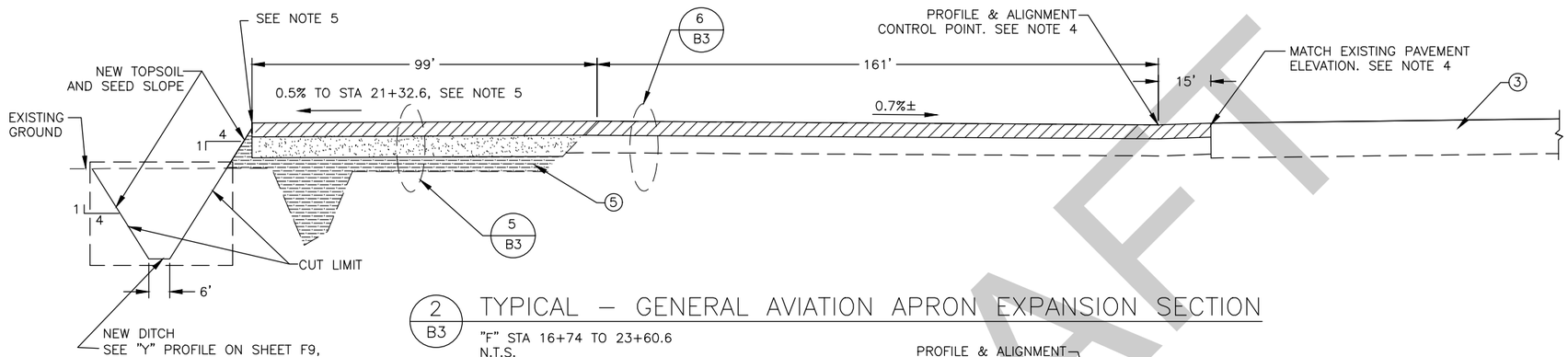
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	B3	5



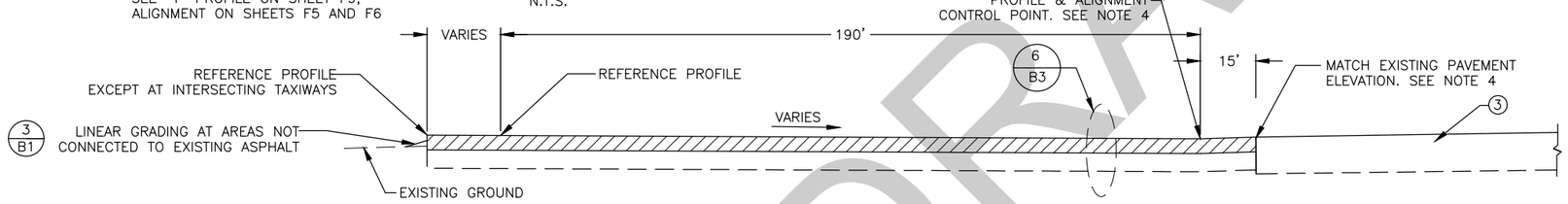
1 B3 TYPICAL – GENERAL AVIATION APRON EXPANSION SECTION

"F" STA 15+26 TO 16+74
N.T.S.



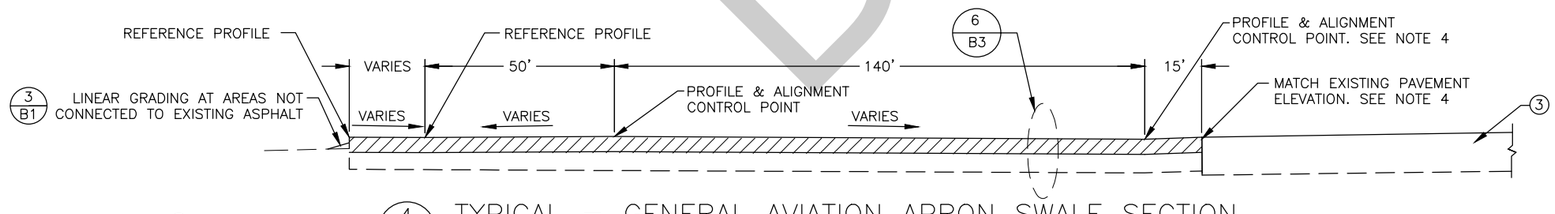
2 B3 TYPICAL – GENERAL AVIATION APRON EXPANSION SECTION

"F" STA 16+74 TO 23+60.6
N.T.S.



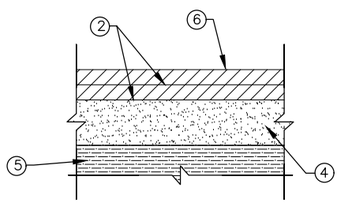
3 B3 TYPICAL – GENERAL AVIATION APRON SECTION

"F" STA 23+60.6 TO 28+00
N.T.S.



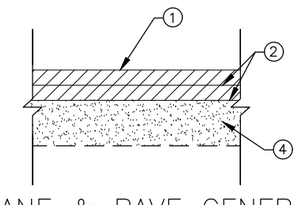
4 B3 TYPICAL – GENERAL AVIATION APRON SWALE SECTION

"F" STA 28+00 TO 31+56
N.T.S.



5 B3 STRUCTURAL SECTION – FILL & PAVE GENERAL AVIATION APRON

N.T.S.



6 B3 STRUCTURAL SECTION – COLD PLANE & PAVE GENERAL AVIATION APRON

N.T.S.

LEGEND

1. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT IN TWO 2-INCH LIFTS
2. TACK COAT
3. ASPHALT CONCRETE PAVEMENT (EXISTING)
4. 6" CRUSHED AGGREGATE BASE COURSE
5. NEW FILL, SEE NOTE 6
6. PAVE 4" HOT MIX ASPHALT IN TWO 2-INCH LIFTS

NOTES

1. GRADES SHOWN ON GENERAL AVIATION APRON TYPICALS APPROXIMATELY REFLECT EXISTING CONDITIONS. COLD PLANE AND GRADE TO GRADES SHOWN.
2. THE DITCH SHOWN ON THE EDGE OF 1/B3 WILL BE CARRIED OUT ALONG THE EDGE OF THE GENERAL AVIATION APRON EXPANSION TYPICAL SECTION FROM "G" STA. 15+26, OFF: 47' LT TO 271' LT.
3. THE GENERAL AVIATION APRON HAS PROFILES SHOWN ON SHEET F8. ADJUST TO CROSS SLOPES SHOWN ON THIS SHEET.
4. TRANSITION FROM 'MATCHING EXISTING PAVEMENT ELEVATION' AT "F" 15' RT TO THE PROFILE CONTROL POINT.
5. TRANSITION FROM 21+00 TO 21+44.1, TRANSITION SLOPE TO MATCH DESIGN PAVEMENT ELEVATION, THEN MATCH PAVEMENT DESIGN ELEVATIONS TO STATION 23+72.1 (SEE SHEETS F7 AND F8).
6. FILL LOCATED FROM E.G. TO F.G.-10" SHALL BE COMPOSED OF USEABLE EXCAVATION, OR RAP. USE AN APPROVED MIX OF 50/50 AGGREGATE BASE COURSE AND RAP FOR MATERIAL PLACED FROM F.G.-4" TO F.G.-10".
7. SURVEY THE REFERENCE PROFILES AT 25' INTERVALS PRIOR TO DISTURBING EXISTING PAVEMENT.

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

TYPICAL SECTIONS

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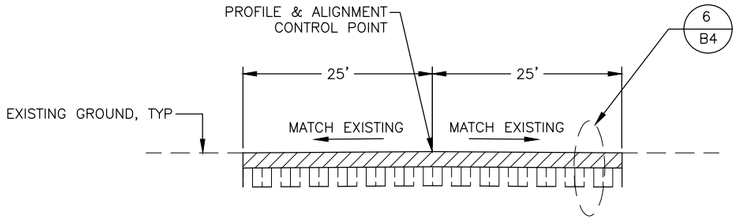
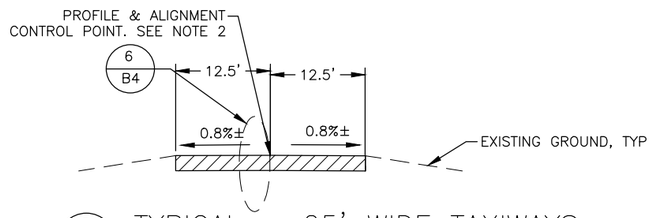
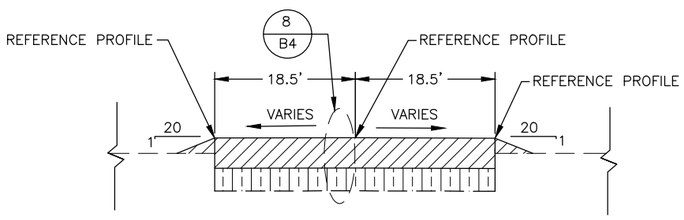
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	B4	5



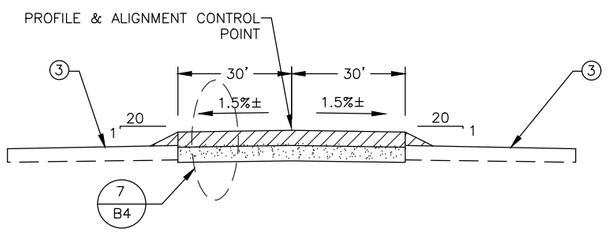
1 / B4 TYPICAL – 50' WIDE TAXIWAYS
"A" STA 10+00 TO 12+44
"B" STA 10+00 TO 12+44
N.T.S.



2 / B4 TYPICAL – 25' WIDE TAXIWAYS
"D" STA 10+00 TO 17+26
"D2" STA 10+00 TO 17+79
"E" STA 10+00 TO 17+25
"F" STA 10+85 TO 11+41 (SEE NOTE 2)
N.T.S.

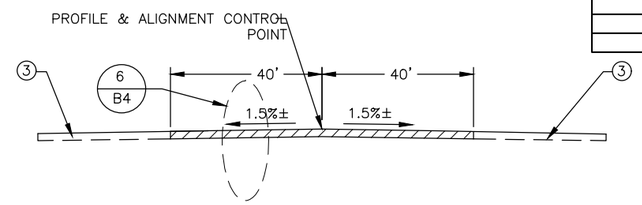


3 / B4 TYPICAL – 37' WIDE TAXIWAYS
"CC" STA 10+00 TO 10+95
"DD" STA 10+00 TO 10+95
"EE" STA 10+00 TO 10+95
"G" STA. 10+00 TO 10+95
N.T.S.

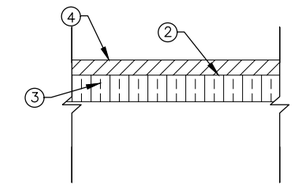


4 / B4 TYPICAL – RUNWAY 2/20 SECTION
"L" STA 2+85 TO 34+00
N.T.S.

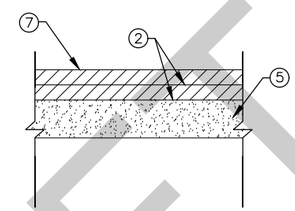
NOTES:
1. TRANSITION TAXIWAY 'B' FROM THE EXISTING –0.3% LT SLOPE & –0.5% RT SLOPE TO A +0.2% LT SLOPE AND A –0.2% RT SLOPE (BOTH NEW CROSS SLOPES SLOPING TOWARD THE RUNWAY 29 END), FROM "B" STATION 12+00 TO 12+44.
2. THE CONTROL POINT FOR TAXIWAY 'F' IS OFFSET 12.5' RT FROM THE CENTER OF THE TYPICAL SECTION. MATCH EXISTING CROSS SLOPE AND PAVEMENT LIMITS FOR TAXIWAY 'F' ON RUNWAY 11/29.
3. REFERENCE PROFILES ARE ESTABLISHED BY MATCHING THE DESIGN ELEVATION AT THE EDGE OF RUNWAY 2/20 AND THE GENERAL AVIATION APRON.



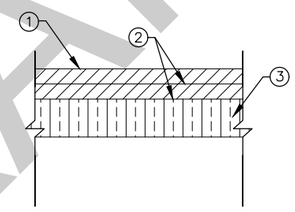
5 / B4 TYPICAL – RUNWAY 2/20 BLAST PAD SECTION
"L" STA. 2+25 TO 2+85
"L" STA. 34+00 TO 34+60
N.T.S.



6 / B4 STRUCTURAL SECTION – COLD PLANE & PAVE, TAXIWAYS & BLAST PADS
N.T.S.



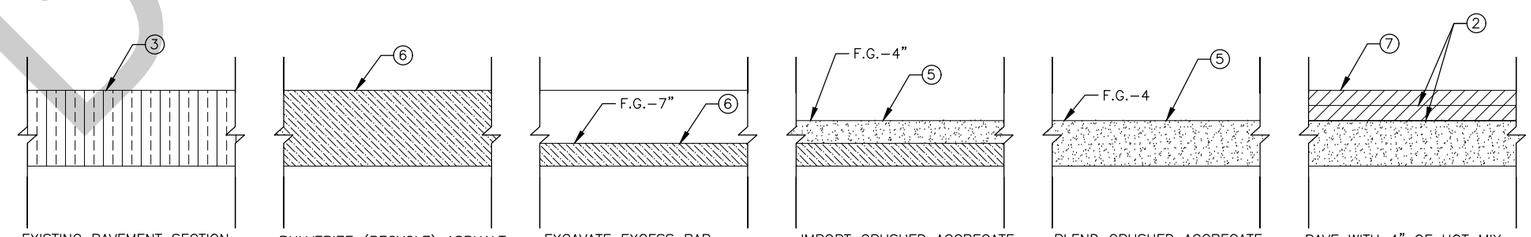
7 / B4 STRUCTURAL SECTION – PAVE 4" AT RUNWAY 2/20
N.T.S.



8 / B4 STRUCTURAL SECTION – COLD PLANE & PAVE 4" AT TAXIWAYS
N.T.S.

LEGEND

1. COLD PLANE 4", PAVE 4" HOT MIX ASPHALT IN TWO 2–INCH LIFTS
2. TACK COAT
3. ASPHALT CONCRETE PAVEMENT/STABILIZED BASE COURSE (EXISTING)
4. COLD PLANE 2", PAVE 2" HOT MIX ASPHALT IN ONE 2–INCH LIFT
5. 6" CRUSHED AGGREGATE BASE COURSE
6. RECLAIM 10" ASPHALT AND GRADE TO F.G. MINUS 4"
7. PAVE 4" HOT MIX ASPHALT IN TWO 2–INCH LIFTS



EXISTING PAVEMENT SECTION: 10"–12" THICK. PERFORM SURVEY OF EXISTING SURFACE (G–135)

PULVERIZE (RECYCLE) ASPHALT MATERIAL TO 10" DEPTH (P–161)

EXCAVATE EXCESS RAP (P–152)

IMPORT CRUSHED AGGREGATE BASE COURSE (NOT 50/50 BLEND)

BLEND CRUSHED AGGREGATE BASE COURSE (NO RAP & RAP) TO A DEPTH OF 6" AND COMPACT. PAID FOR AS 6" P–209

PAVE WITH 4" OF HOT MIX ASPHALT IN TWO 2–INCH LIFTS (P–401). PERFORM SURVEY OF FINAL SURFACE (G–135)

9 / B4 RECYCLING EXISTING ASPHALT – RUNWAY 2/20 & GENERAL AVIATION APRON (EXISTING)

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

TYPICAL SECTIONS

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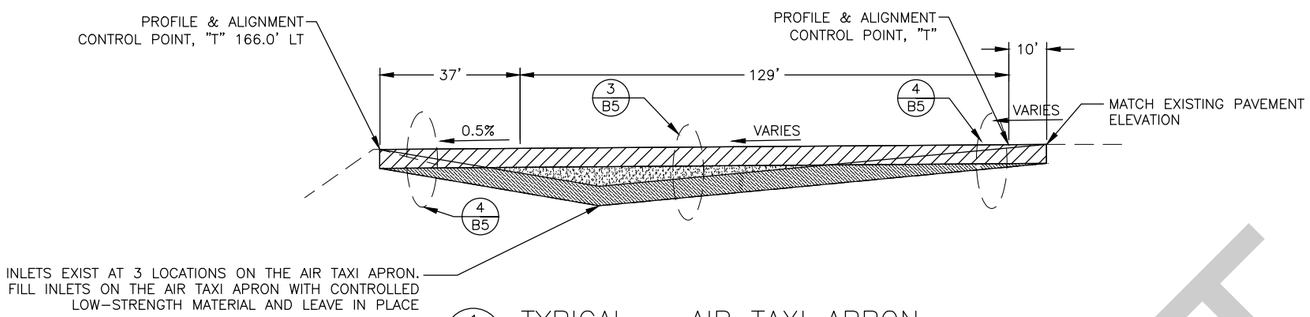
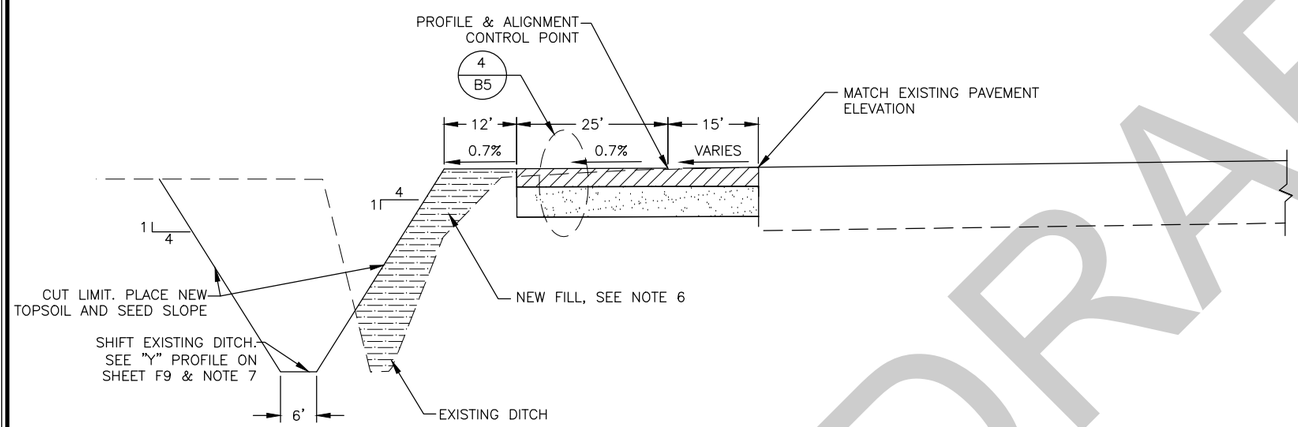
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	B5	5



1 B5 TYPICAL – AIR TAXI APRON

"T" STA 10+00 TO 20+97
N.T.S.

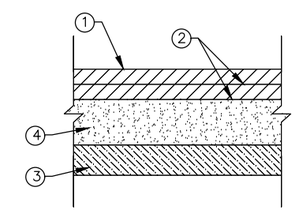


2 B5 TYPICAL – TAXIWAY 'F'

"F" STA 11+42 TO 15+25
N.T.S.

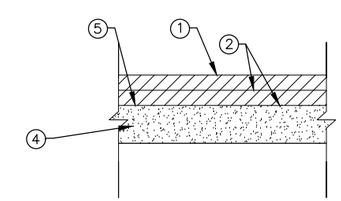
LEGEND

1. PAVE 4" HOT MIX ASPHALT IN TWO 2-INCH LIFTS
2. TACK COAT
3. ASPHALT CONCRETE PAVEMENT (APPROX 3.5"-4"). PULVERIZE IN PLACE
4. 6" CRUSHED AGGREGATE BASE COURSE
5. RECLAIM AND GRADE TO F.G. MINUS 4"



3 B5 STRUCTURAL SECTION – RECLAIM 8" & PAVE AIR TAXI APRON

N.T.S.



4 B5 STRUCTURAL SECTION – RECLAIM 8" & PAVE 4"

N.T.S.

NOTES:

1. TRANSITION THE PAVEMENT AT THE INTERSECTION WITH THE AIR TAXI APRON AND THE GENERAL AVIATION TRANSITION AREA 10' ACROSS TO CONNECT FLUSH AT THE TWO EDGES.
2. MATCH EXISTING AT TRANSITION FROM "H" 10+00 TO "H" 11+20 WITH "T" 19+24 TO "T" 20+97.
3. THE GENERAL AVIATION APRON HAS PROFILES SHOWN ON SHEET F8. ADJUST TO CROSS SLOPES SHOWN ON THE GENERAL AVIATION APRON TAXIWAY EXPANSION TYPICAL.
4. TRANSITION THE CROSS SLOPE ON THE GENERAL AVIATION APRON TAXIWAY EXPANSION TO THE GENERAL AVIATION APRON OVER 20 FEET.
5. EXCAVATE AND BLEND 3" OF ASPHALT MATERIAL & 3" OF BASE COURSE ON THE AIR TAXI APRON INTO THE WORK AREA SHOWN ON THE AIR TAXI APRON TO A GRADE OF F.G.-4".
6. FILL LOCATED FROM E.G. TO F.G.-10" SHALL BE COMPOSED OF USEABLE EXCAVATION, OR RAP.
7. BEGIN CUT AND FILL FOR NEW SHIFTED DITCH AT "F" 12+84.

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

TYPICAL SECTIONS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	C1	1

ESTIMATE OF QUANTITIES

ITEM NUMBER	PAY ITEM	PAY UNIT	QUANTITY
D701.040.0018	CAA PIPE, 18-INCH	LINEAR FOOT	258
D701.040.0024	CAA PIPE, 24-INCH	LINEAR FOOT	66
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
G115.010.0000	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
G130.010.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED
G130.020.0000	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
G130.060.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
G130.140.0000	RADIOS	EACH	4
G131.010.0000	ENGINEERING TRANSPORTATION (TRUCK)	EACH	2
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED
G135.030.0000	MONUMENTS BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED
G135.050.0000	CONTRACTOR FURNISHED ENGINEERING TOOLS	CONTINGENT SUM	ALL REQUIRED
G200.010.0000	CONTRACTOR QUALITY CONTROL PROGRAM	LUMP SUM	ALL REQUIRED
G200.020.0000	QC PROGRAM ADMINISTRATOR	LUMP SUM	ALL REQUIRED
G200.030.0000	QC TECHNICIAN	EACH	2
G300.010.0000	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
G310.010.0000	PUBLIC UPDATES	LUMP SUM	ALL REQUIRED
G700.010.0000	AIRPORT FLAGGER	CONTINGENT SUM	ALL REQUIRED
G700.030.0000	AIRPORT TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
L108.010.1006	UNDERGROUND CABLE #6 AWG, COPPER, 5KV FAA TYPE B, L-824 IN CONDUIT	LINEAR FOOT	1,350
L108.030.0006	#6 BARE COPPER GROUND CONDUCTOR IN CONDUIT	LINEAR FOOT	1,150
L110.080.1002	HDPE CONDUIT, 2-INCH	LINEAR FOOT	1,000
L125.030.0000	MEDIUM INTENSITY RUNWAY EDGE AND THRESHOLD LIGHT, L-861 AND L-861E	EACH	1
L125.040.0000	TAXIWAY EDGE LIGHT, L-861T	EACH	16
L125.060.0000	PRIMARY HANDHOLE, L-868, SIZE B	EACH	1
L125.110.0000	RELOCATE EXISTING AIRPORT SIGN, TYPE L-858 /REMOVE	EACH	2
L125.130.0000	AIRPORT SIGN, L-858	EACH	4
L125.180.0000	TEMPORARY RUNWAY LIGHTING SYSTEM	LUMP SUM	ALL REQUIRED
P151.040.0000	CLEARING & GRUBBING	LUMP SUM	ALL REQUIRED
P152.010.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	4,300
P153.050.0000	CONTROLLED LOW-STRENGTH MATERIAL	LUMP SUM	ALL REQUIRED
P161.010.0000	RECYCLED ASPHALT PAVEMENT	SQUARE YARD	53,900
P162.010.0000	PAVEMENT COLD PLANING	SQUARE YARD	265,390
P165.010.0000	REMOVAL OF STRUCTURES	LUMP SUM	ALL REQUIRED
P209.010.0000	CRUSHED AGGREGATE BASE COURSE	CUBIC YARD	21,420
P209.080.0000	LINEAR GRADING	STATION	19
P315.010.0000	EMULSIFIED ASPHALT TREATED BASE	TON	38,300
P315.020.0000	EMULSIFIED ASPHALT CEMENT, TYPE HFMS-2S	TON	270
P315.040.0000	PORTLAND CEMENT	TON	110
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	TON	62,420
P401.020.6428	ASPHALT BINDER, PG 64-28	TON	3,750
P401.080.0000	HOT MIX ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P401.090.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P401.100.0010	PAVEMENT SMOOTHNESS PRICE ADJUSTMENT, METHOD 1	CONTINGENT SUM	ALL REQUIRED
P401.110.0000	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
P411.010.0000	INTELLIGENT COMPACTION FOR ASPHALT MIX PAVEMENTS	LUMP SUM	ALL REQUIRED
P603.010.0010	TACK COAT, STE-1 OR CSS-1	TON	224
P610.010.0000	STRUCTURAL PORTLAND CEMENT CONCRETE	CUBIC YARD	
P620.020.0000	RUNWAY AND TAXIWAY PAINTING	LUMP SUM	ALL REQUIRED
P620.060.0000	PAINTED MARKING REMOVAL	LUMP SUM	ALL REQUIRED
P620.070.0000	TEMPORARY RUNWAY & TAXIWAY PAINTING	LUMP SUM	ALL REQUIRED
P621.020.0000	SAW-CUT GROOVES	LUMP SUM	ALL REQUIRED
P635.010.0000	PAVEMENT CRACK FILLING	LINEAR FOOT	14,155
P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
P641.030.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
P641.050.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
P641.060.0000	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
P641.070.0000	SWPPP MANAGER	LUMP SUM	ALL REQUIRED
P650.010.0000	AIRCRAFT TIE-DOWN	EACH	48
T901.010.0000	SEEDING	ACRE	0.4
T905.010.0010	TOPSOILING, CLASS A	SQUARE YARD	2,200

BASIS OF ESTIMATE

ITEM NUMBER	PAY ITEM	ESTIMATING FACTOR
G135.030.0000	MONUMENTS BY THE CONTRACTOR	4 EACH
P151.040.0000	CLEARING AND GRUBBING	3.5 ACRES
P153.050.0000	CONTROLLED LOW-STRENGTH MATERIAL	60 C.Y.
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	117 LB./S.Y./IN.
P401.020.6428	ASPHALT CEMENT, PG 64-28	6% OF ITEM P401.010.0030
P603.010.0010	TACK COAT CSS-1 OR STE-1	0.1 GAL./S.Y. & 233 GAL./TON
P610.060.0000	REINFORCED CONCRETE HARDSTAND	104 C.Y. PORTLAND CEMENT & 7,495 S.F. STEEL
P620.020.0000	RUNWAY AND TAXIWAY PAINTING	169,900 S.F.
P620.060.0000	PAVEMENT MARKING REMOVAL	44,900 S.F.
P620.070.0000	TEMPORARY RUNWAY & TAXIWAY PAINTING	283,400 S.F.
P621.020.0000	SAW-CUT GROOVES	112,000 S.Y.

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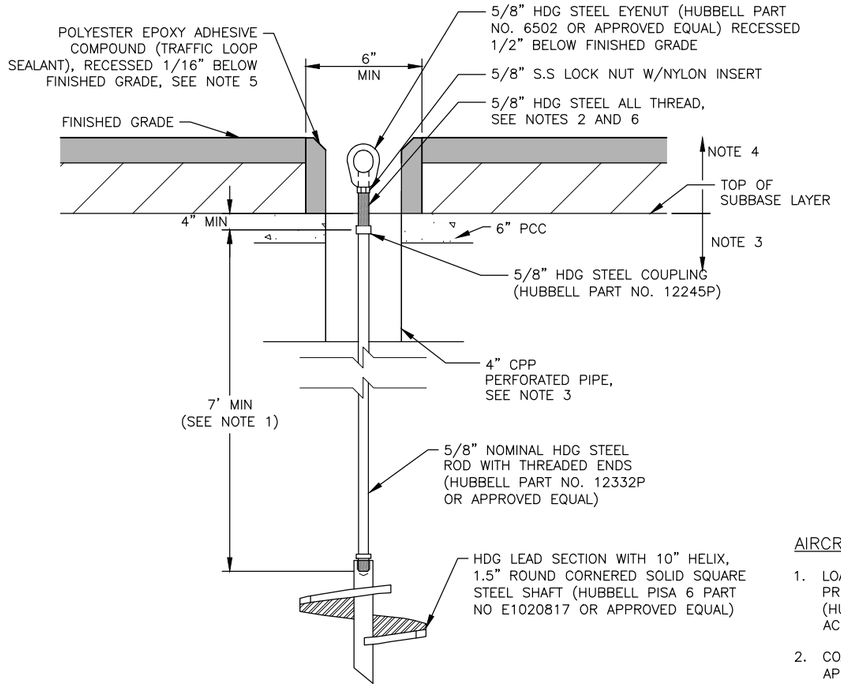
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY,
AND TAXIWAY PAVEMENT REHAB.

ESTIMATE OF QUANTITIES

FILE | Q:\Gus\67517\Planset\67517_C1_ESTIMATE_OF_QUANTITIES.dwg
DATE | 8/20/2019 10:43
LAYOUT | C1
DESIGNED | T. FAGNANT
CHECKED | C. TRIPP
DRAFTED | T. FAGNANT

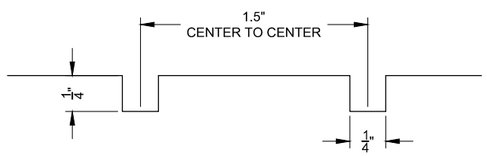
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	E1	3



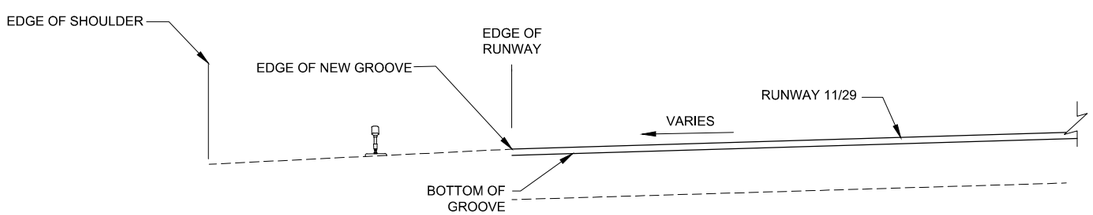
1 AIRCRAFT TIE-DOWN DETAIL

AIRCRAFT TIE-DOWN DETAIL NOTES:

1. LOAD TEST AIRCRAFT TIE-DOWNS TO A PULLOUT LOAD OF 4,000 LB MIN PRIOR TO FINAL ACCEPTANCE. ADD 5/8" HDG STEEL EXTENSION ROD (HUBBELL PART NO 12249A OR APPROVED EQUAL) AS NECESSARY TO ACHIEVE MINIMUM PULLOUT LOADING.
2. COAT MALE ENDS WITH REMOVABLE THREADLOCKER (VIBRA-TITE VC-3 OR APPROVED EQUAL).
3. CONSTRUCT BOTTOM SECTION; INSTALL 4"x24" CPP PERFORATED PIPE CENTERED ON THE STEEL ROD. INSTALL A TEMPORARY CAP/PLUG ON THE 4" PIPE AND MARK THE CENTER WITH A SCREW OR SIMILAR SURVEY MARKER. SURVEY THE CENTER OF THE TEMPORARY CAP/PLUG PRIOR TO PLACING FILL.
4. CONSTRUCT TOP SECTION AFTER FINAL PAVING. CORE ASPHALT IN TWO STEPS; DRILL 2" PILOT HOLE TO LOCATE THE SURVEY MARKER, THEN DRILL 6" HOLE CENTERED ON THE SURVEY MARKER. REMOVE THE TEMPORARY CAP/PLUG AND INSTALL 4" CPP FLUSH WITH GRADE USING PRE-APPROVED COUPLINGS. REMOVE LOOSE AGGREGATE AND CLEAN PAVEMENT SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, THEN POUR EPOXY 1/16" BELOW FINISHED GRADE.
5. CONSTRUCT 1/2" DEEP BEVEL (45°) AFTER EPOXY HAS FULLY CURED TO ELIMINATE SHARP EDGES
6. ALL THREAD ROD SHALL MEET THE REQUIREMENTS OF ASTM A449 TYPE 1. CUT ALL THREAD TO LENGTH AS NEEDED. TOP OF THREAD SHALL BE FLUSH WITH EYENUT OPENING. THREAD PITCH SHALL BE COMPATIBLE WITH THE COUPLING AND EYENUT.

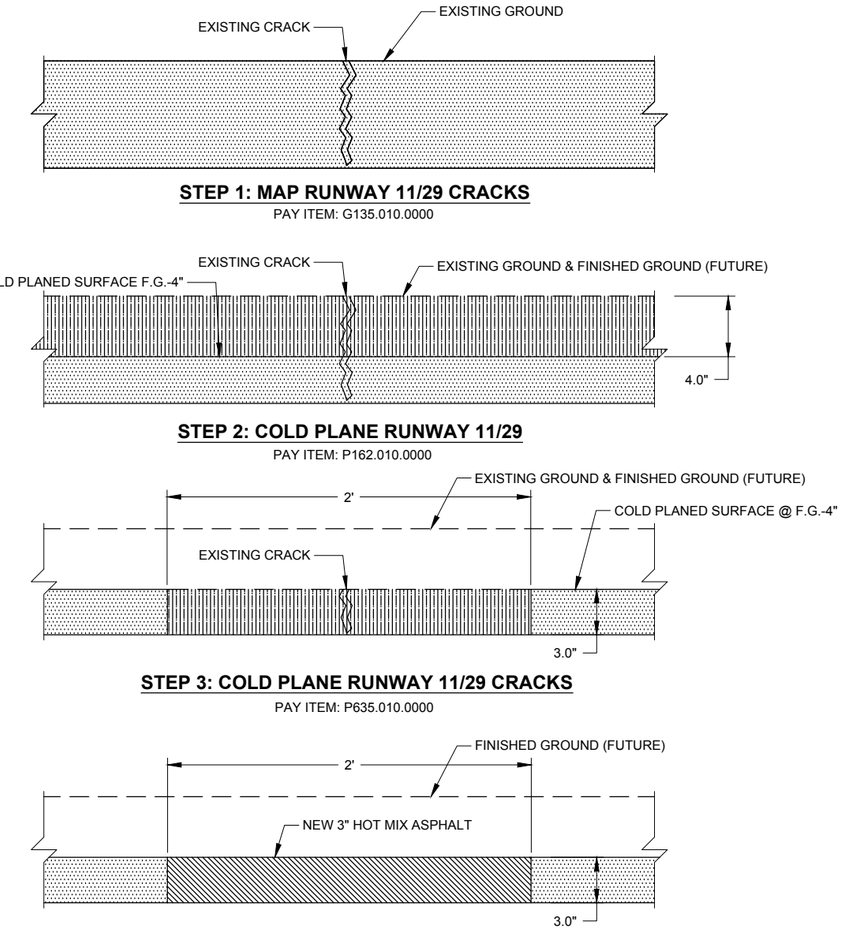


2 PAVEMENT GROOVE
SECTION VIEW



3 PAVEMENT GROOVE
DAYLIGHT DETAIL

PAVEMENT GROOVE NOTE:
SEE SECTION P-621 OF THE SPECIFICATIONS FOR DETAILS OF THE GROOVING OPERATION.



4 CRACK REPAIR DETAIL

DRAFT

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

MISCELLANEOUS DETAILS

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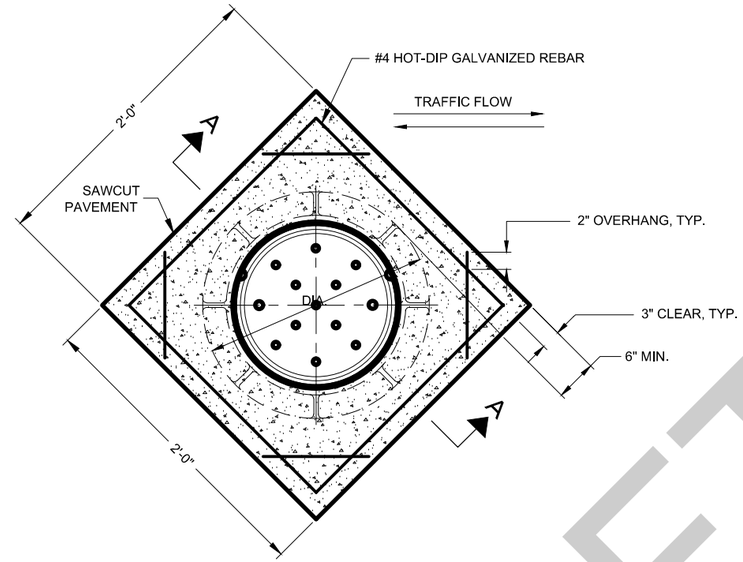
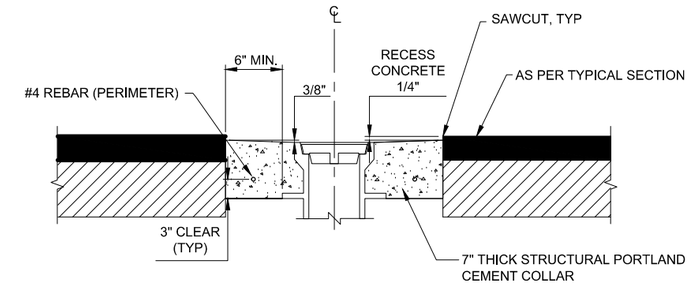
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	E2	3

1 **C/L MONUMENT CAP DETAIL**



2 **CLASS A CONCRETE COLLAR ENCASEMENT PLAN**



SECTION A-A

3 **CLASS A CONCRETE COLLAR ENCASEMENT DETAIL**

REFER TO SHEET A4 FOR LOCATIONS

DRAFT

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

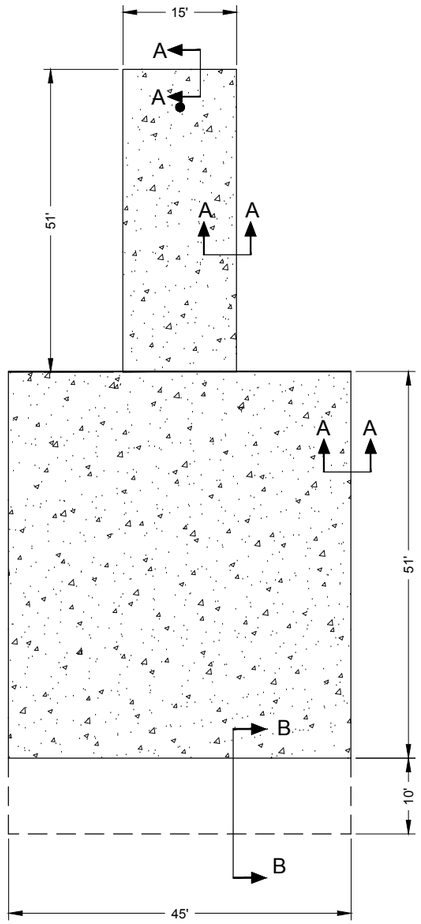
MISCELLANEOUS DETAILS

FILE Q:\Gus\67517\Planset\67517_E1-E3_MISCELLANEOUS_DETAILS.dwg | DATE 8/16/2019 15:52 | LAYOUT E2 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

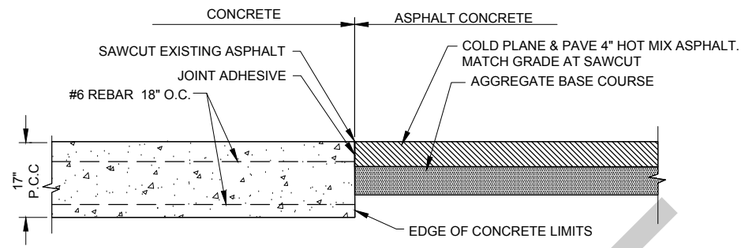
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	E3	3

NOTES:

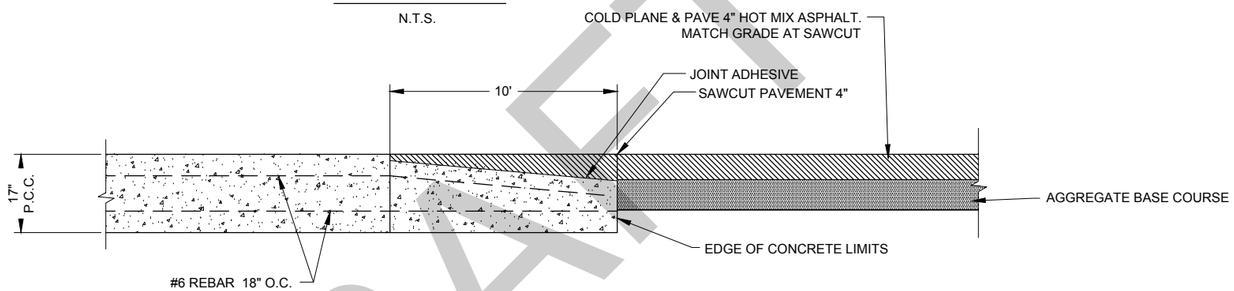
1. PORTLAND CEMENT CONCRETE SHALL BE PER 610-3.2 OF THE SPECIFICATIONS.
2. STEEL REINFORCEMENT SHALL MEET OR EXCEED REQUIREMENTS OF AASHTO M31, M54, M55, M32 OR M28 AS APPLICABLE.
3. USE 12X12 - W5XW5 MESH OR GRADE 60 REBAR. SPACING SHALL BE 3 INCHES FROM PANEL EDGE. PLACE STEEL WITH 2" OF COVER.
4. CONCRETE HARDSTAND SHALL BE 9 INCHES MINIMUM THICKNESS. SAW CUT EXISTING ASPHALT AND REMOVE IN WAY OF WORK. COMPACTION AND SUBBASE SHALL BE PER SPECIFICATION.
5. EXPANSION JOINTS SHALL BE CONSTRUCTED WITH FULL DEPTH 1/2 INCH PREMOLDED JOINT FILLER. CONTRACTION JOINTS SHALL BE TOOLED JOINTS, 1/2 INCH WIDE 3/4 INCH DEEP, FILLED WITH POURED RUBBERIZED JOINT FILLER.
6. ALL WORK SHALL BE IN ACCORDANCE WITH SECTIONS P-610, OF THE SPECIFICATIONS.
7. LOCATION OF HARDSTANDS SHALL BE PER DRAWING OR DIRECTION OF THE ENGINEER.
8. NO. 632-6SS SERIES FLOOR GROUND RECEPTACLE WITH NO. 632GS-1 BRASS BALL TYPE GROUND STUD, MANUFACTURED BY THOMPSON LIGHTNING PROTECTION, INC., 901 SIBLYE HIGHWAY, SAINT PAUL, MINNESOTA 55118, PHONE 612-455-7661, OR CROUSE-HINDS GCR210 WITH GCT BRONZE STUD. STUD BY COOPER INDUSTRIES, INC., OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING. DEVICE MUST BE FAA APPROVED.



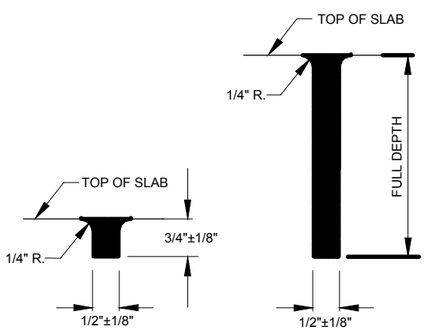
CONCRETE HARDSTAND 'A'
PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.

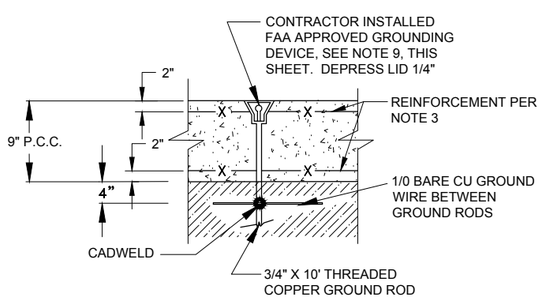


SECTION B-B
N.T.S.

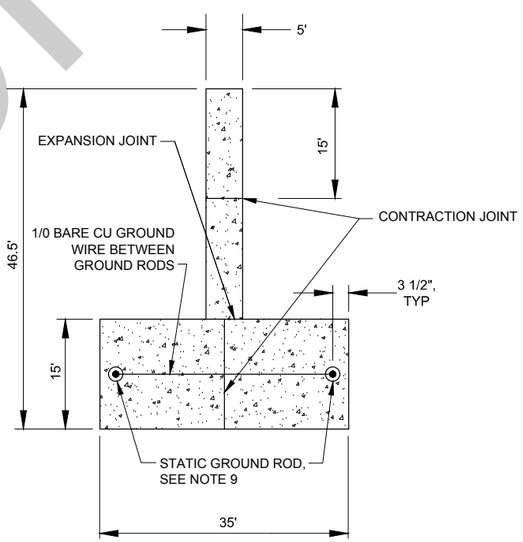


CONTRACTION JOINT **EXPANSION JOINT**

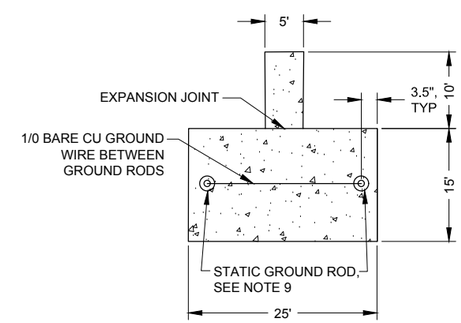
JOINT SEALANT DETAILS
N.T.S.



STATIC GROUND DETAIL
N.T.S.



CONCRETE HARDSTAND 'B'
PLAN VIEW
N.T.S.



CONCRETE HARDSTAND 'C'
PLAN VIEW
N.T.S.

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(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

MISCELLANEOUS DETAILS

DRAFT

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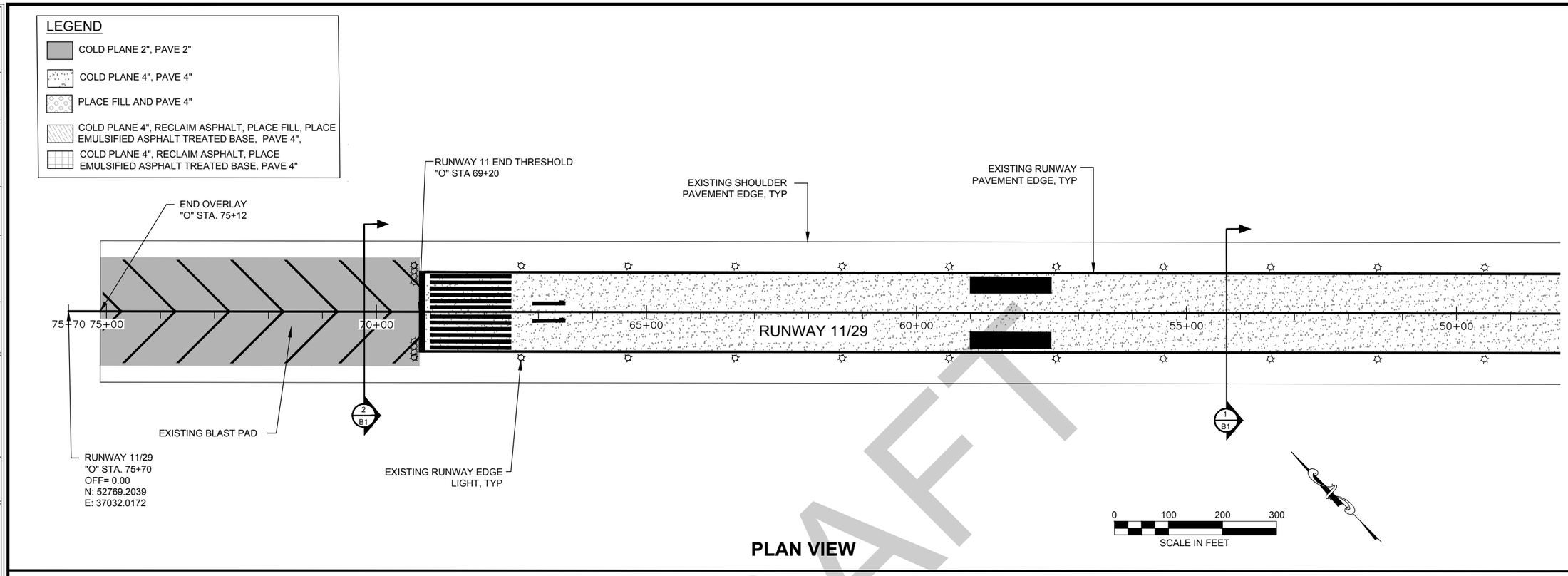
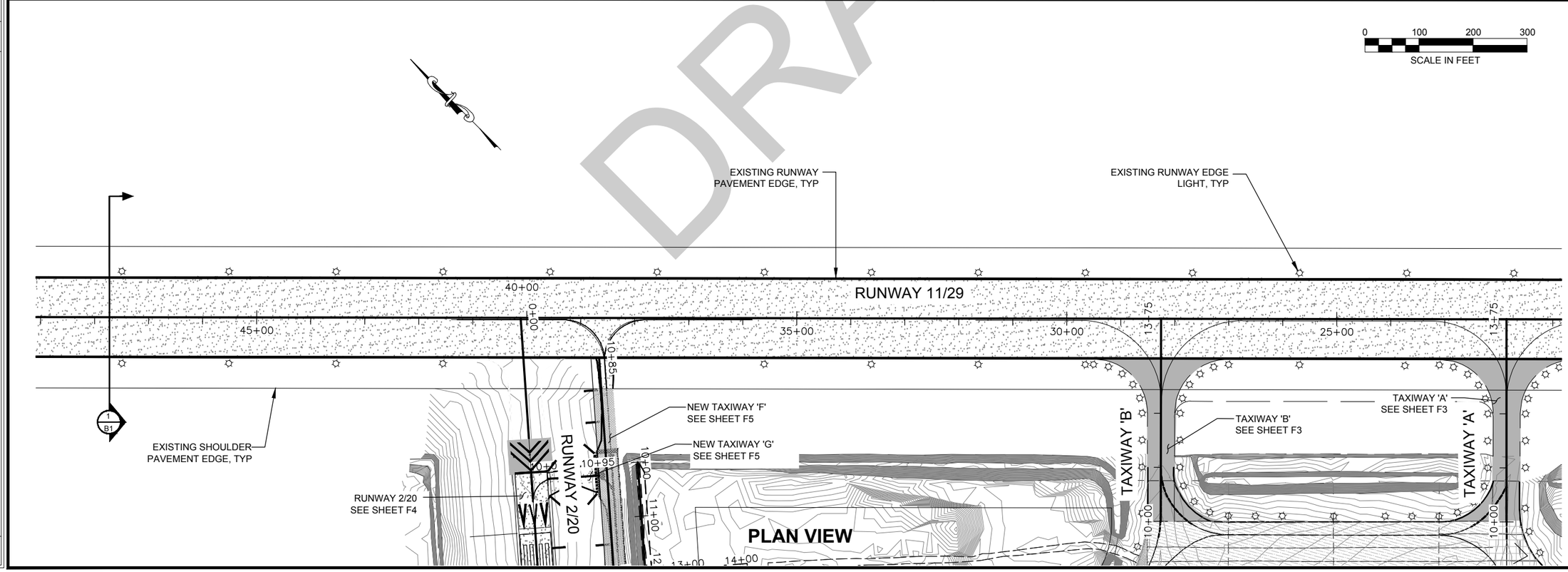
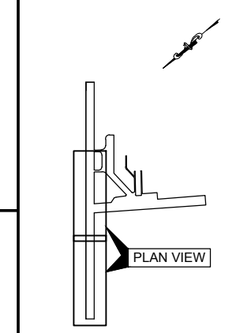


PLAN VIEW





SHEET NO.	TOTAL SHEETS
F1	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

PLAN VIEW – RUNWAY 11/29

DRAFTED T. FAGNANT | CHECKED C. TRIPP | DESIGNED T. FAGNANT | LAYOUT F1 | DATE 8/16/2019 16:01 | FILE Q:\Gus\675170\Planset\675170_F1-F8_PLANS.dwg

DRAFT

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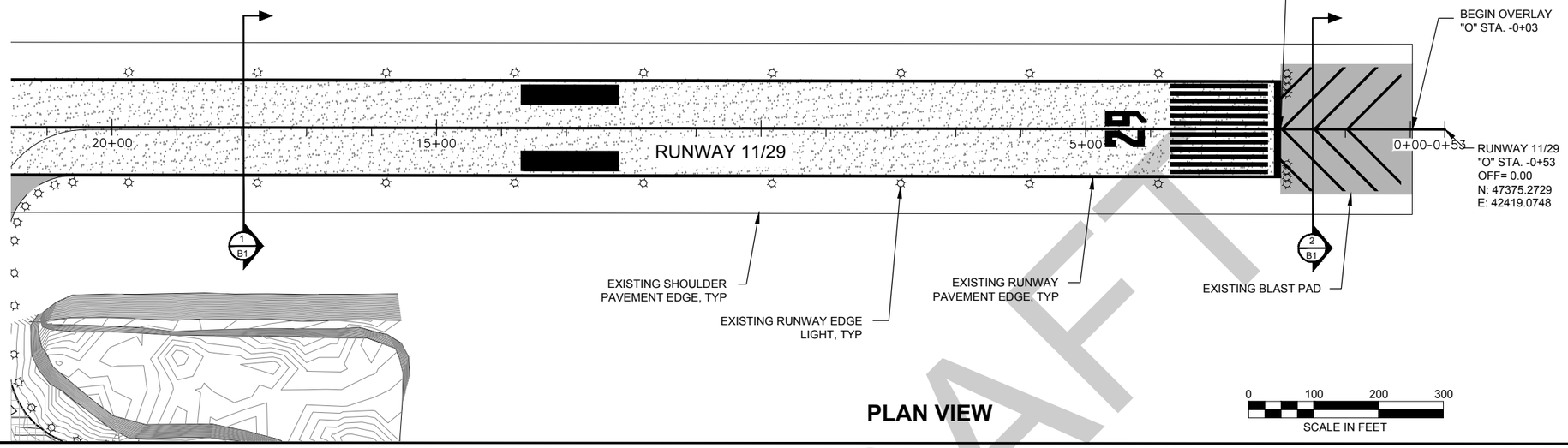
DATE	8/16/2019 16:01
LAYOUT	F2
DESIGNED	T. FAGNANT
CHECKED	C. TRIPP
DRAFTED	T. FAGNANT

LEGEND

- COLD PLANE 4", PAVE 4"
- COLD PLANE 2", PAVE 2"
- COLD PLANE 4", RECLAIM ASPHALT, PLACE EMULSIFIED ASPHALT TREATED BASE, PAVE 4"



PLAN VIEW

0 100 200 300
SCALE IN FEET

DRAFT

SHEET NO.	TOTAL SHEETS
F2	12
STATE	YEAR
ALASKA	2019

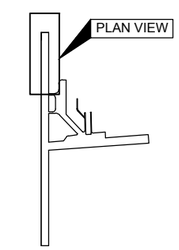
PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49 TH
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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

PLAN VIEW - RUNWAY 11/29

SHEET NO.	TOTAL SHEETS
F3	12
STATE	YEAR
ALASKA	2019

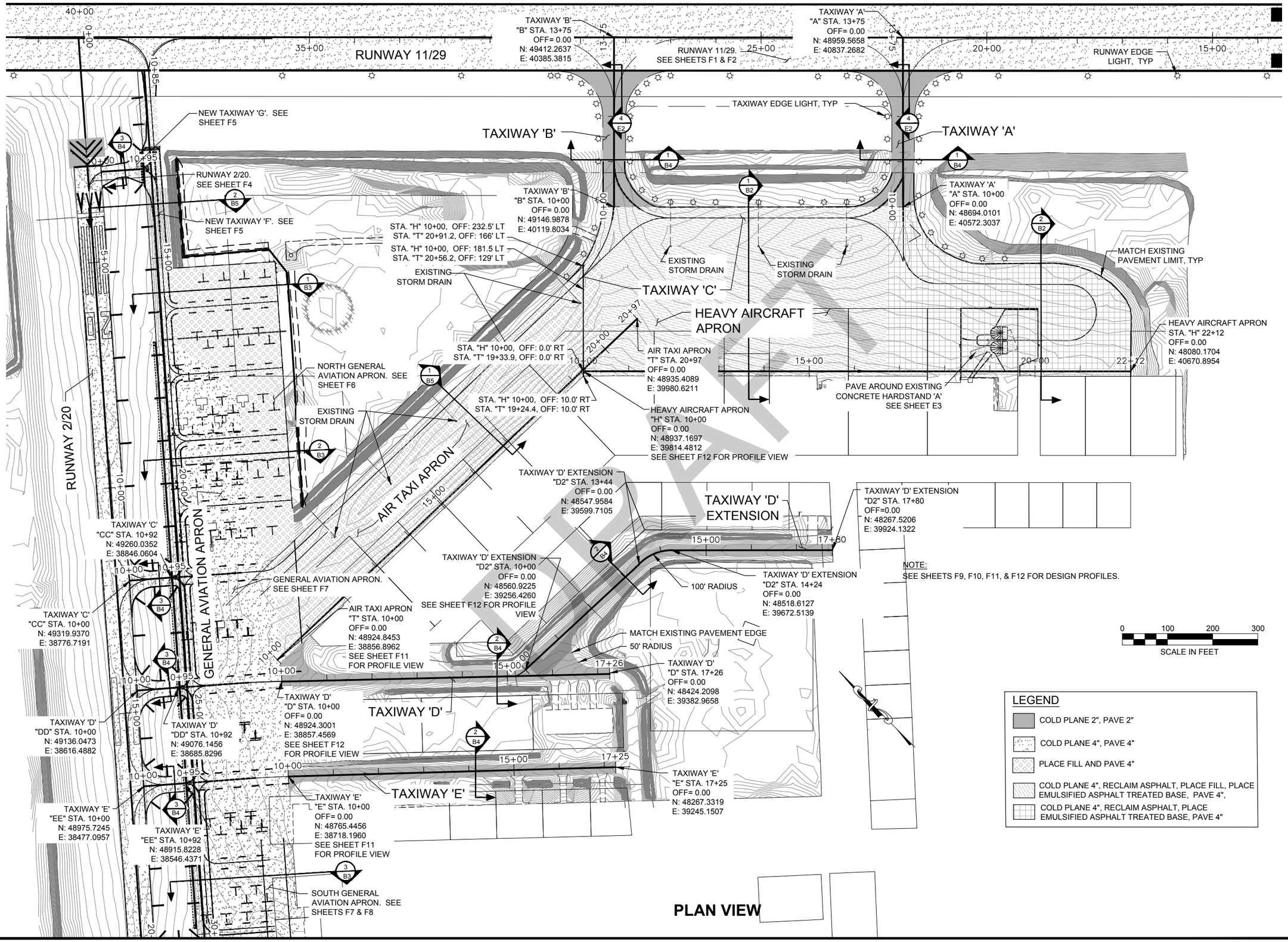
PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



PLAN VIEW

STATE OF ALASKA 49TH
Charles M. Tripp
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

PLAN VIEW – APRONS & TAXIWAYS

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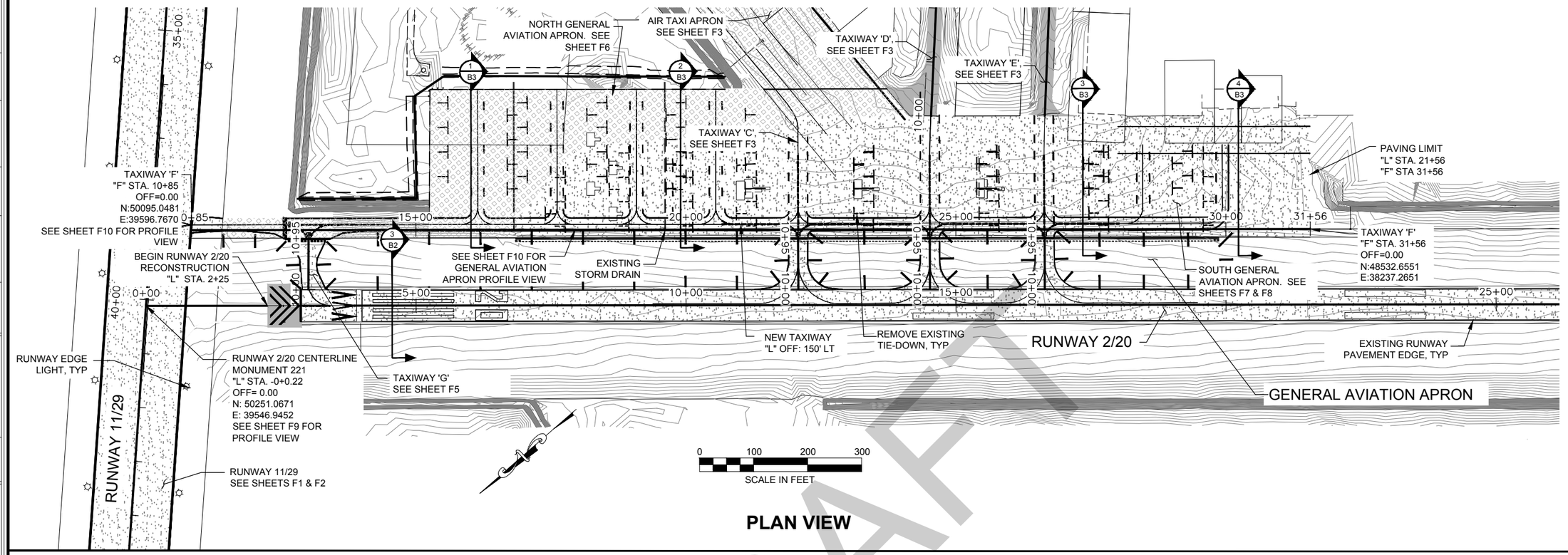
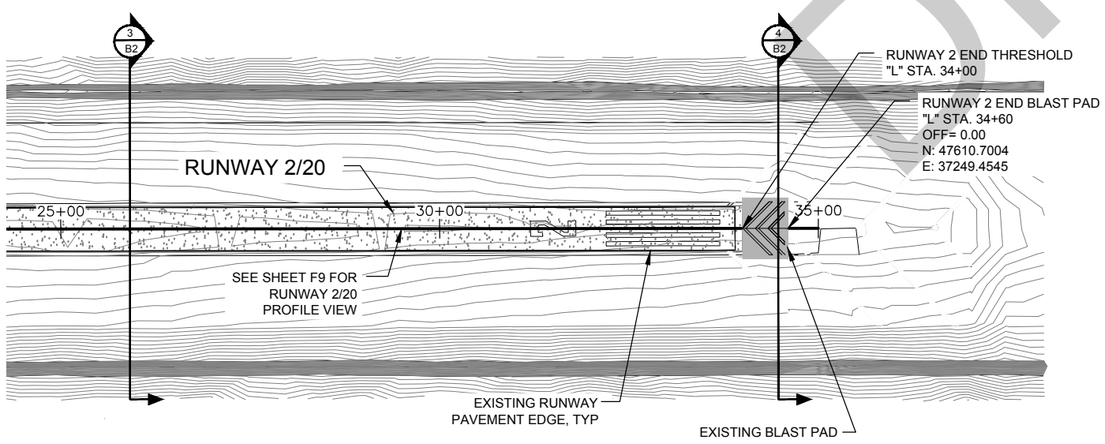


PLAN VIEW



PLAN VIEW

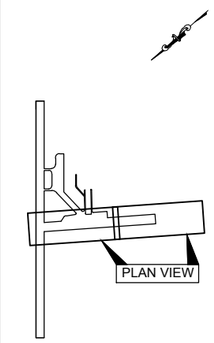
NOTES:

1. SEE SHEETS F9, F10, F11, & F12 FOR DESIGN PROFILES.
2. REMOVE ALL EXISTING TIE-DOWNS AND HARDSTANDS ON THE GENERAL AVIATION APRON.
3. SEE 'L' SHEETS FOR MARKING DETAILS.

LEGEND

- COLD PLANE 2", PAVE 2"
- COLD PLANE 4", PAVE 4"
- PLACE FILL AND PAVE 4"
- DAYLIGHT - CUT
- DAYLIGHT - FILL

0 100 200 300
SCALE IN FEET



SHEET NO.	TOTAL SHEETS
F4	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/ 3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

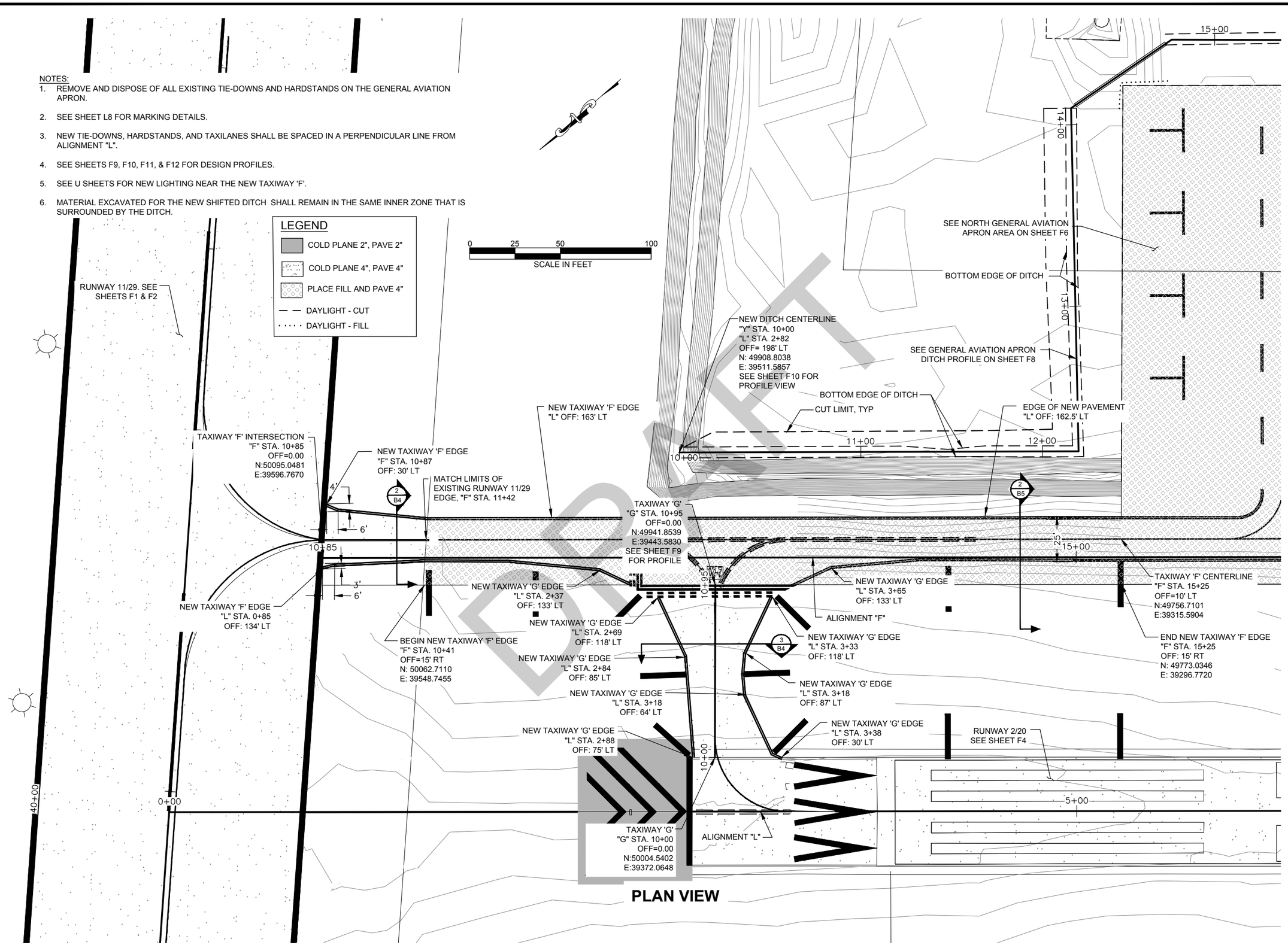
PLAN VIEW – RUNWAY 2/20 & GENERAL AVIATION APRON

DRAFT

FILE Q:\Gus\675170\Planset\675170_F1-F8_PLANS.dwg | LAYOUT F4 | DATE 8/16/2019 16:01 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NOTES:

1. REMOVE AND DISPOSE OF ALL EXISTING TIE-DOWNS AND HARDSTANDS ON THE GENERAL AVIATION APRON.
2. SEE SHEET L8 FOR MARKING DETAILS.
3. NEW TIE-DOWNS, HARDSTANDS, AND TAXILANES SHALL BE SPACED IN A PERPENDICULAR LINE FROM ALIGNMENT "L".
4. SEE SHEETS F9, F10, F11, & F12 FOR DESIGN PROFILES.
5. SEE U SHEETS FOR NEW LIGHTING NEAR THE NEW TAXIWAY 'F'.
6. MATERIAL EXCAVATED FOR THE NEW SHIFTED DITCH SHALL REMAIN IN THE SAME INNER ZONE THAT IS SURROUNDED BY THE DITCH.



SHEET NO.	TOTAL SHEETS
F5	12
STATE	YEAR
ALASKA	2019

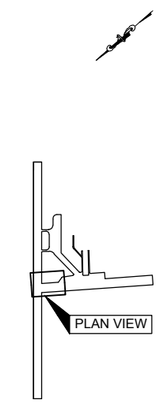
PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



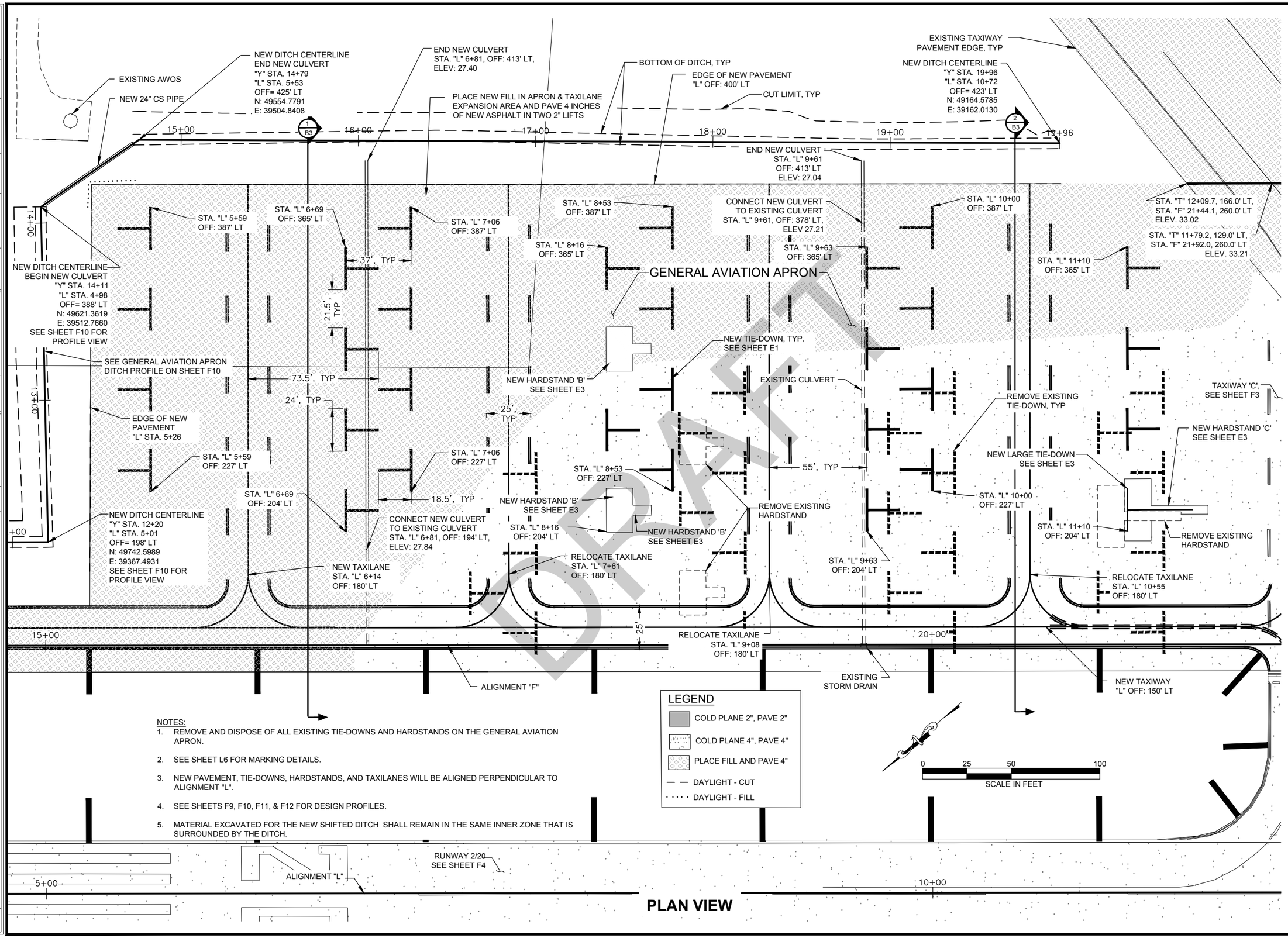
STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1783

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

TAXIWAY 'F' & TAXIWAY 'G'

FILE Q:\Gus\67517\Planset\67517_F1-F8_PLANS.dwg | DATE 8/21/2019 10:38 | LAYOUT F5 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



NOTES:

1. REMOVE AND DISPOSE OF ALL EXISTING TIE-DOWNS AND HARDSTANDS ON THE GENERAL AVIATION APRON.
2. SEE SHEET L6 FOR MARKING DETAILS.
3. NEW PAVEMENT, TIE-DOWNS, HARDSTANDS, AND TAXILANES WILL BE ALIGNED PERPENDICULAR TO ALIGNMENT "L".
4. SEE SHEETS F9, F10, F11, & F12 FOR DESIGN PROFILES.
5. MATERIAL EXCAVATED FOR THE NEW SHIFTED DITCH SHALL REMAIN IN THE SAME INNER ZONE THAT IS SURROUNDED BY THE DITCH.

SHEET NO.	TOTAL SHEETS
F6	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

PLAN VIEW

STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
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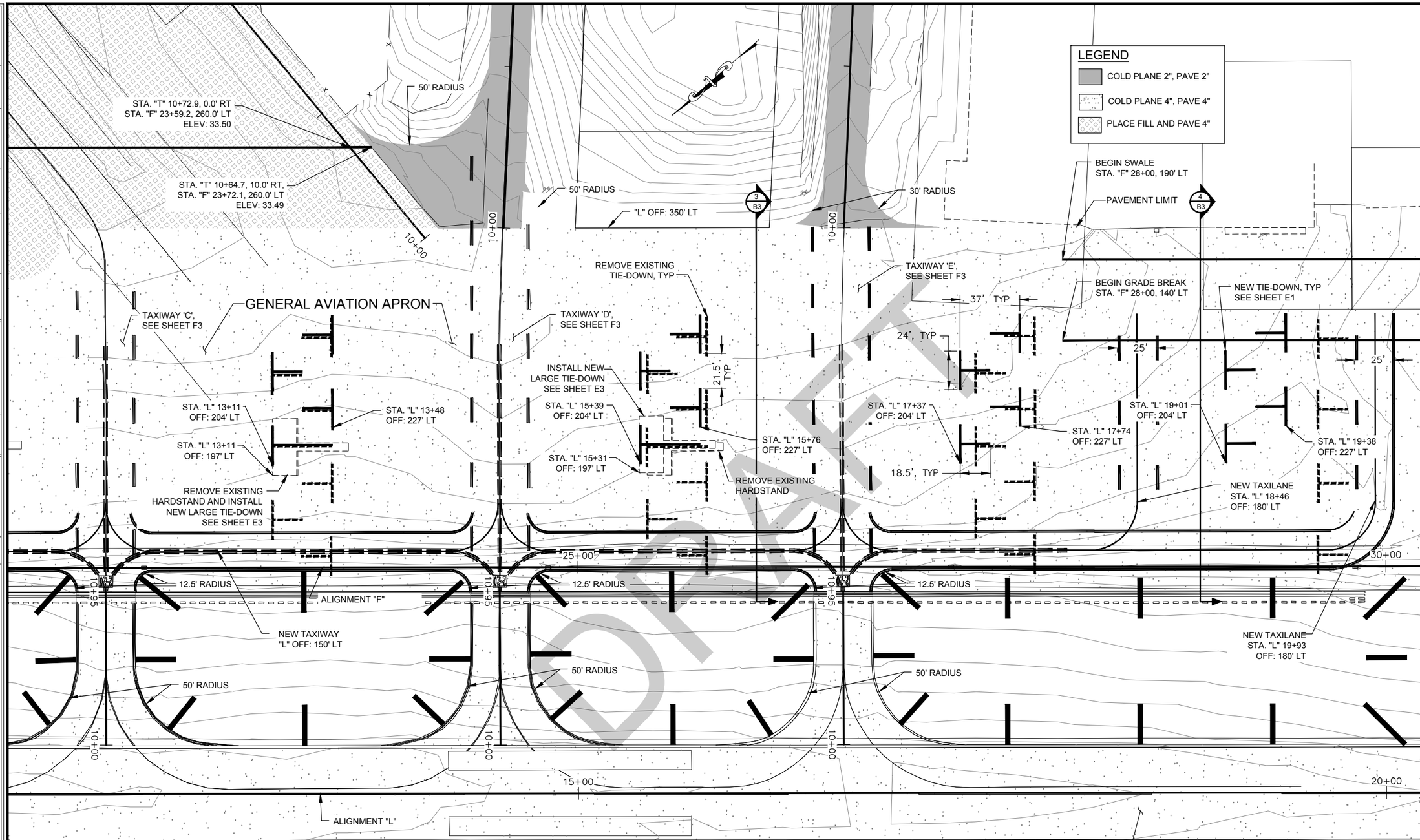
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

PLAN VIEW – NORTH GENERAL AVIATION APRON

FILE Q:\Gus\67517\Planset\67517_F1-F8_PLANS.dwg
DATE 8/16/2019 16:01
LAYOUT F6
DESIGNED T. FAGNANT
CHECKED C. TRIPP
DRAFTED T. FAGNANT



NOTES:

1. REMOVE AND DISPOSE OF ALL EXISTING TIE-DOWNS AND HARDSTANDS ON THE GENERAL AVIATION APRON
2. SEE 'L' SHEETS FOR MARKING DETAILS
3. NEW TIE-DOWNS, HARDSTANDS, AND TAXILANES WILL BE ALIGNED PERPENDICULAR TO ALIGNMENT "L"
4. SEE SHEETS F9, F10, F11, & F12 FOR DESIGN PROFILES.

0 30 60 90
SCALE IN FEET

PLAN VIEW

SHEET NO.	TOTAL SHEETS
F7	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

PLAN VIEW – SOUTH GENERAL AVIATION APRON

FILE Q:\Gus\67517\Planset\67517_F1-F8_PLANS.dwg | DATE 8/16/2019 16:01 | LAYOUT F7 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

DRAFT

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
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SHEET NO.	TOTAL SHEETS
F8	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

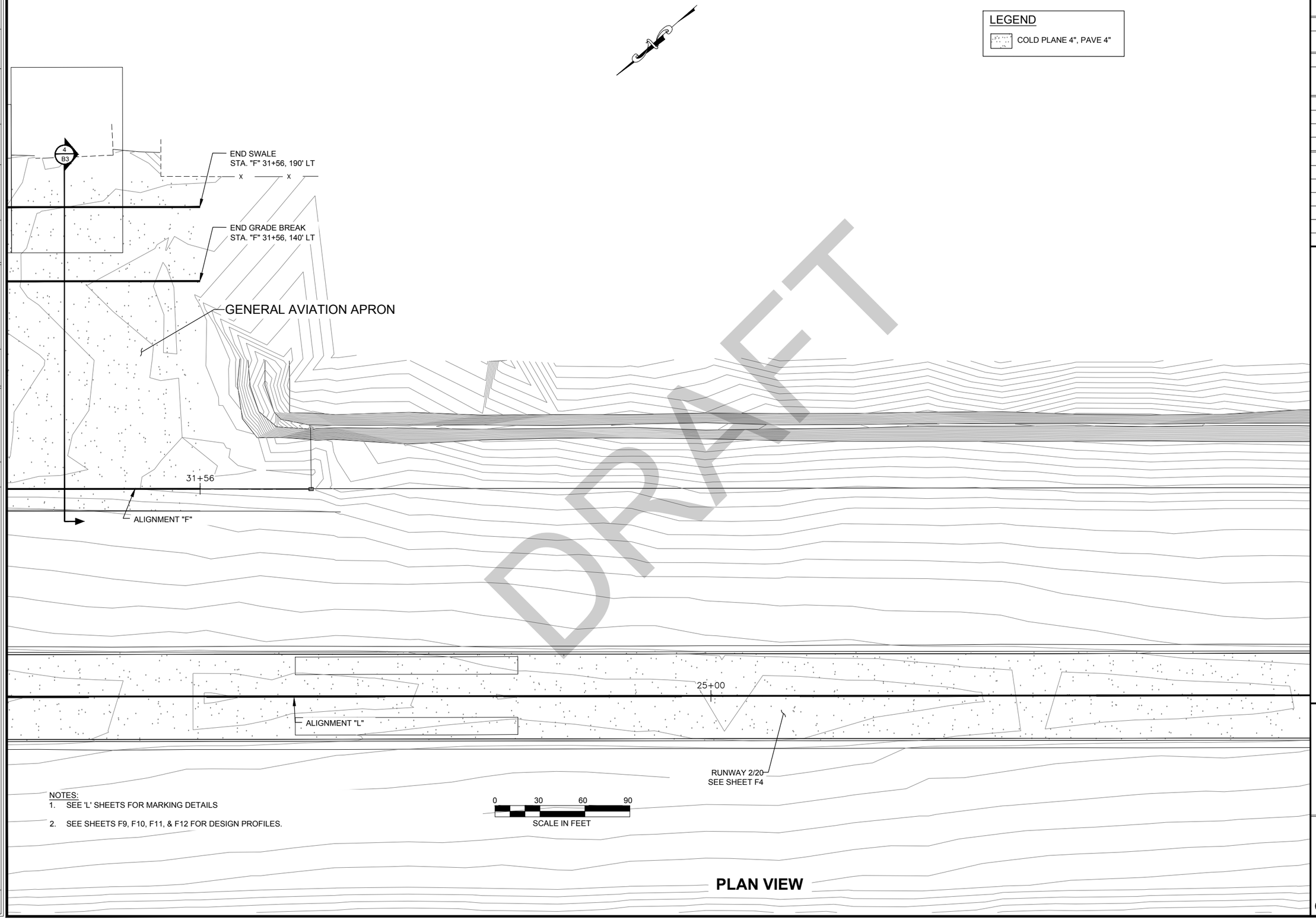
ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

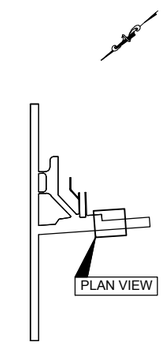
LEGEND

COLD PLANE 4", PAVE 4"



NOTES:
1. SEE 'L' SHEETS FOR MARKING DETAILS
2. SEE SHEETS F9, F10, F11, & F12 FOR DESIGN PROFILES.

PLAN VIEW



STATE OF ALASKA 49TH
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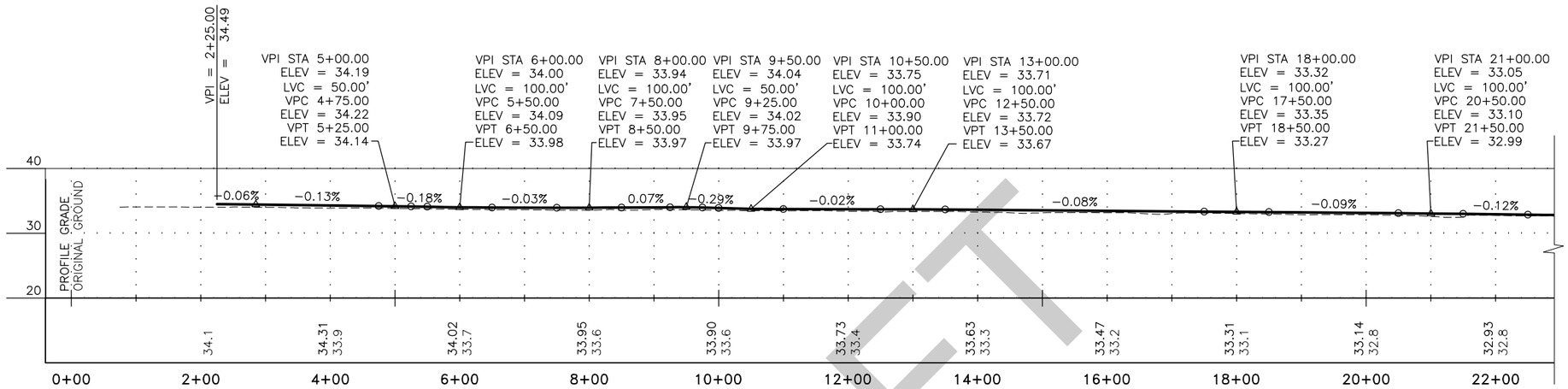
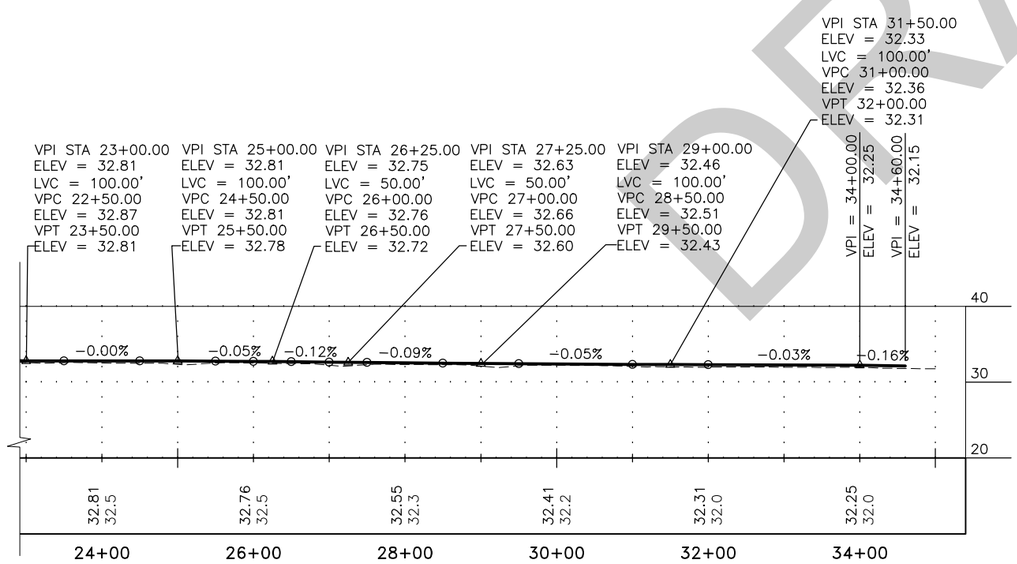
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

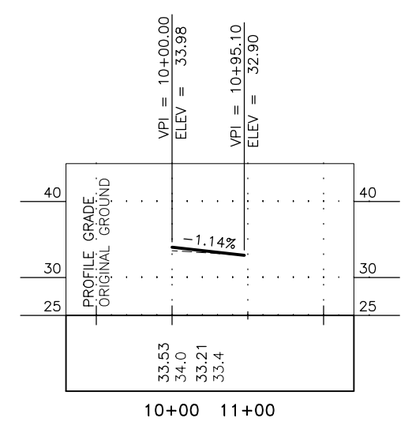
PLAN VIEW – SOUTH GENERAL AVIATION APRON



RUNWAY 2/20 PROFILE (STA. "L" 2+25 TO "L" 34+60)



RUNWAY 2/20 PROFILE (STA. "L" 2+25 TO "L" 34+60)



TAXIWAY 'G' (STA. "G" 10+00 TO "G" 10+95)

DRAFT

SHEET NO.	TOTAL SHEETS
F9	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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STATE OF ALASKA DEPARTMENT OF
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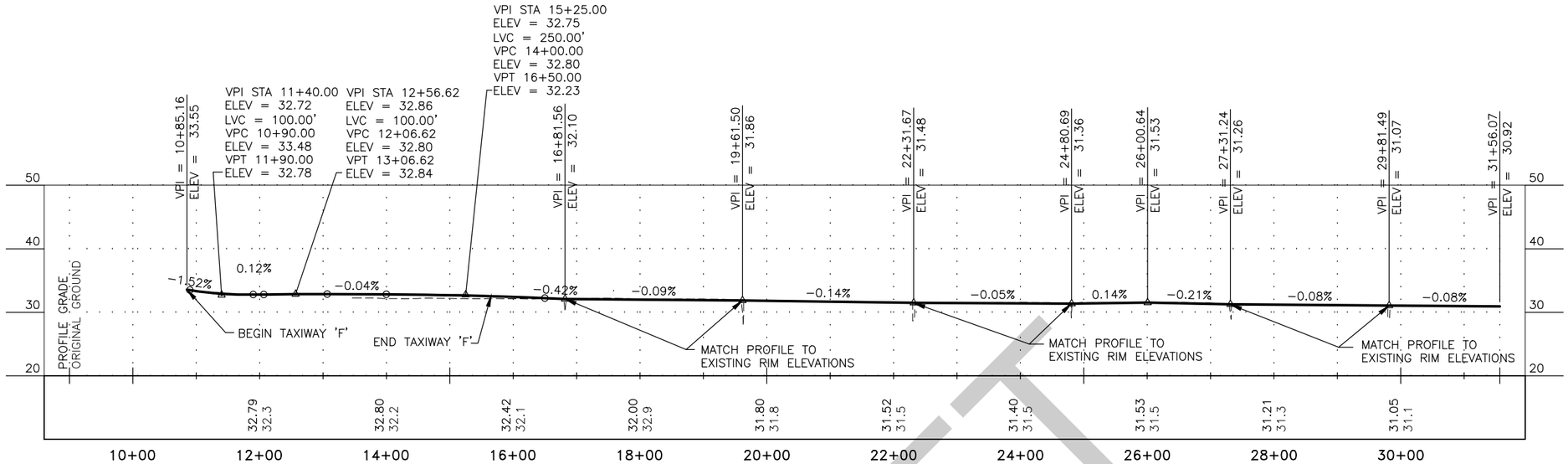
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

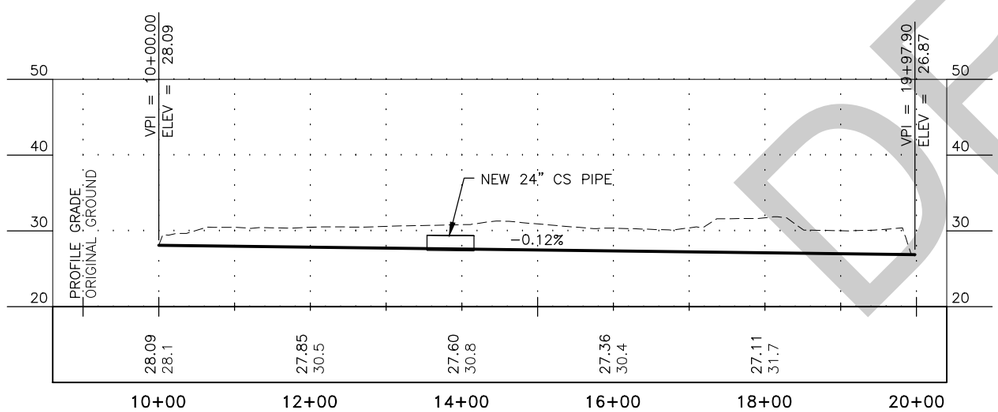
GST AIRPORT APRON,
RUNWAY, AND TAXIWAY
PAVEMENT REHAB.

PROFILE VIEW –
TAXIWAY 'G' & RUNWAY 2/20

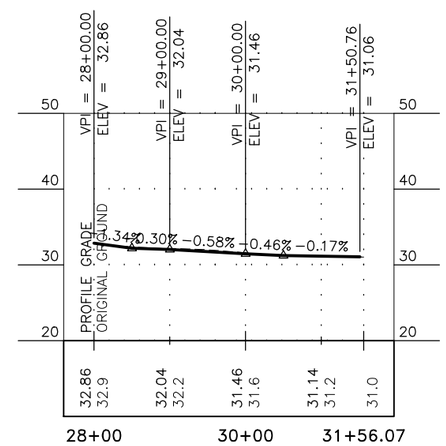
FILE Q:\Gus\67517\Planset\67517_F9-F12_PROFILES.dwg | DATE 8/21/2019 11:34 | LAYOUT F9 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



GENERAL AVIATION APRON PROFILE (STA. "F" 10+85 TO "F" 31+56)



GENERAL AVIATION APRON DITCH PROFILE (STA. "Y" 10+00 TO "Y" 19+98)



GENERAL AVIATION APRON SWALE PROFILE
(STA. "F" 28+00 TO "F" 31+56, 190.0' LT)

DRAFT

SHEET NO.	TOTAL SHEETS
F10	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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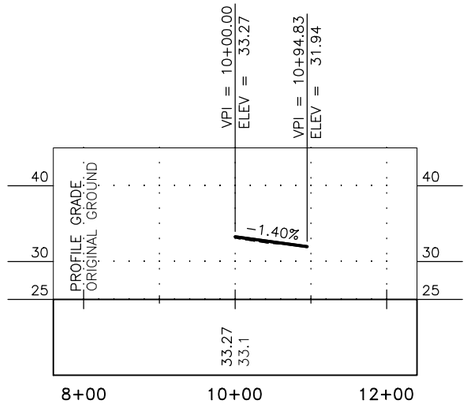
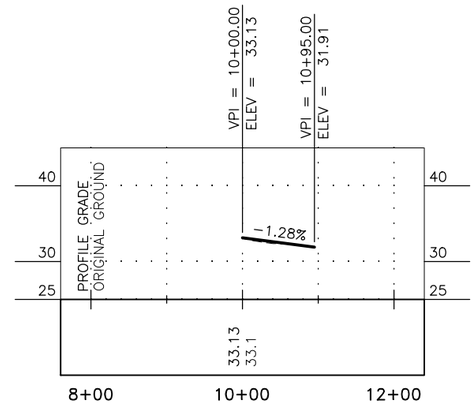
GST AIRPORT APRON,
RUNWAY, AND TAXIWAY
PAVEMENT REHAB.

PROFILE VIEW –
GENERAL AVIATION APRON

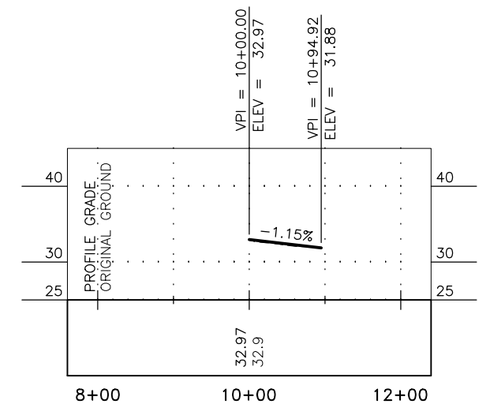
FILE Q:\Gus\67517\Planset\67517_F9-F12_PROFILES.dwg | DATE 8/21/2019 9:12 | LAYOUT F10 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



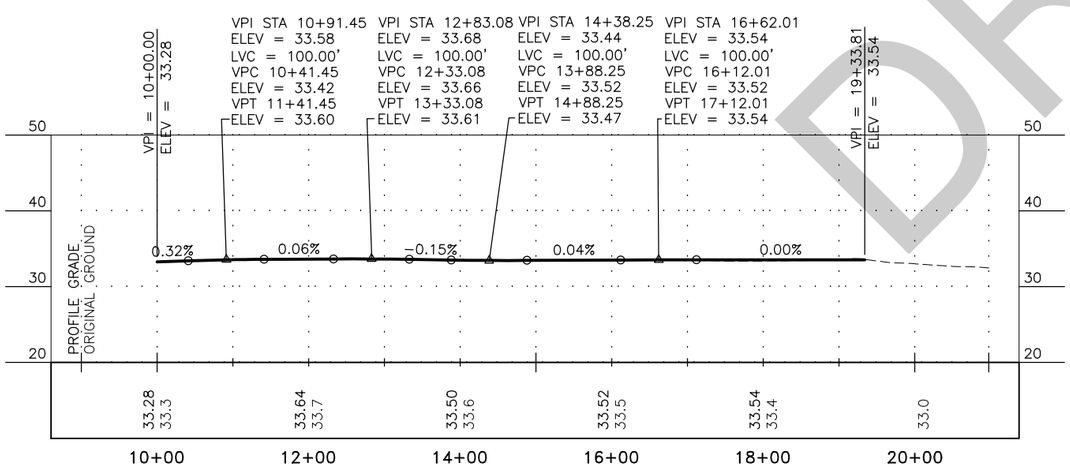
TAXIWAY 'C' (STA. "CC" 10+00 TO "CC" 10+95)



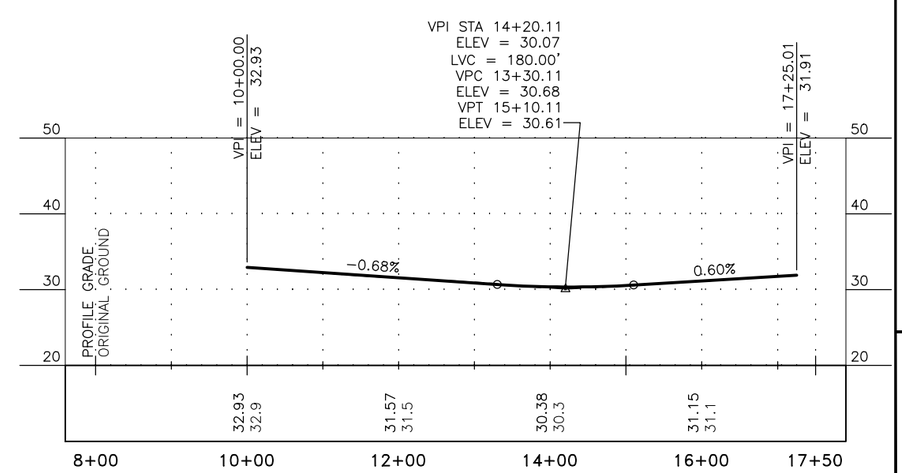
TAXIWAY 'D' (STA. "DD" 10+00 TO "DD" 10+95)



TAXIWAY 'E' (STA. "EE" 10+00 TO "EE" 10+95)



AIR TAXI APRON (STA. "T" 10+00 TO "T" 20+97)



TAXIWAY 'E' (STA. "E" 10+00 TO "E" 17+25)

DRAFT

SHEET NO.	TOTAL SHEETS
F11	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF
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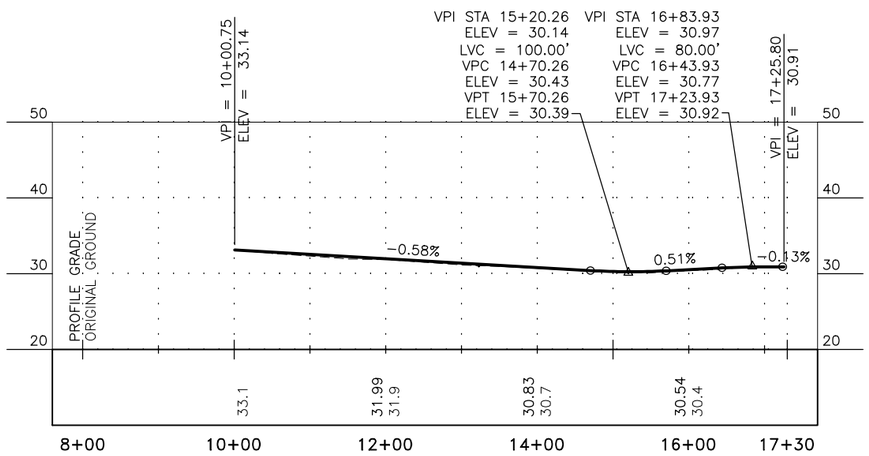
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

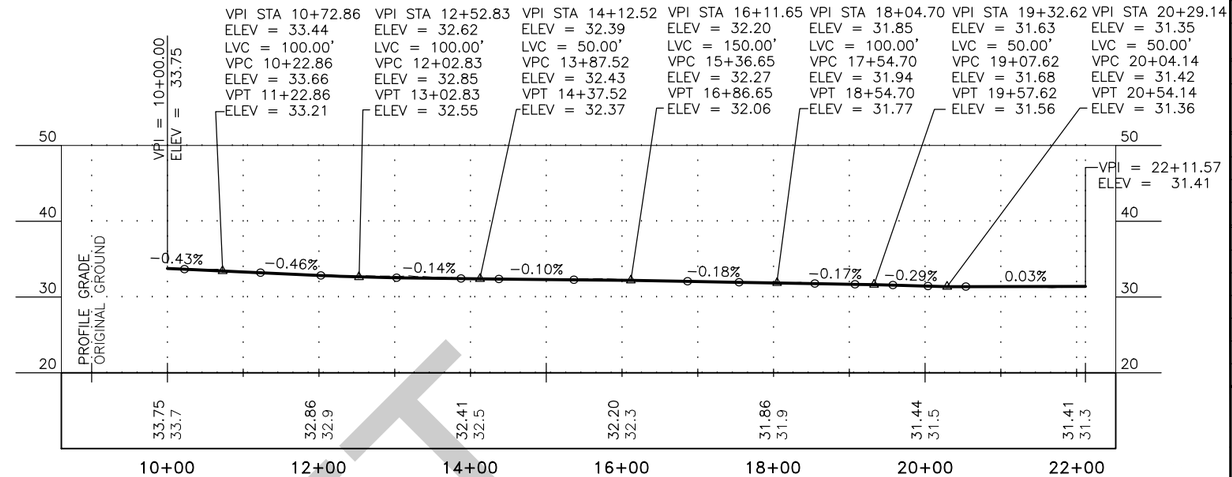
GST AIRPORT APRON,
RUNWAY, AND TAXIWAY
PAVEMENT REHAB.

PROFILE VIEW –
TAXIWAYS & AIR TAXI APRON

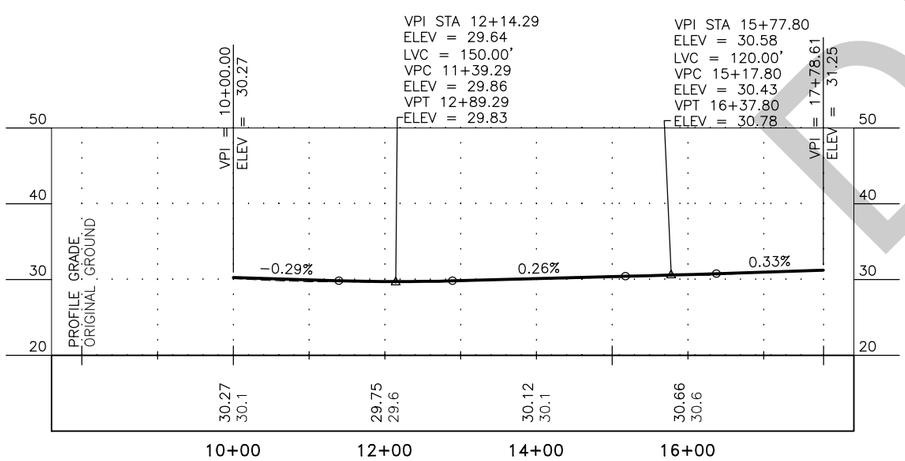
FILE	Q:\Gus\67517\Planset\67517_F9-F12_PROFILES.dwg	DATE	8/15/2019 16:32	LAYOUT	F11	DESIGNED	T. FAGNANT	CHECKED	C. TRIPP	DRAFTED	T. FAGNANT



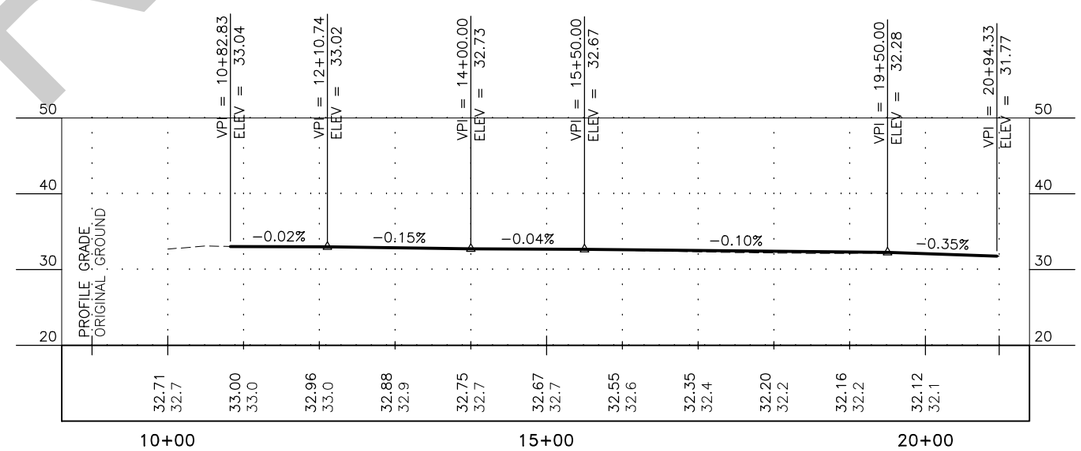
TAXIWAY 'D' (STA. "D" 10+00 TO "D" 17+25)



HEAVY AIRCRAFT APRON (STA. "H" 10+00 TO "H" 22+12")



TAXIWAY 'D' EXTENSION (STA. "D2" 10+00 TO "D2" 17+79)



AIR TAXI APRON LEFT EDGE (STA. "T" 10+00 TO "T" 20+94, 166.0' LT)

DRAFT

SHEET NO.	TOTAL SHEETS
F12	12
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
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STATE OF ALASKA DEPARTMENT OF
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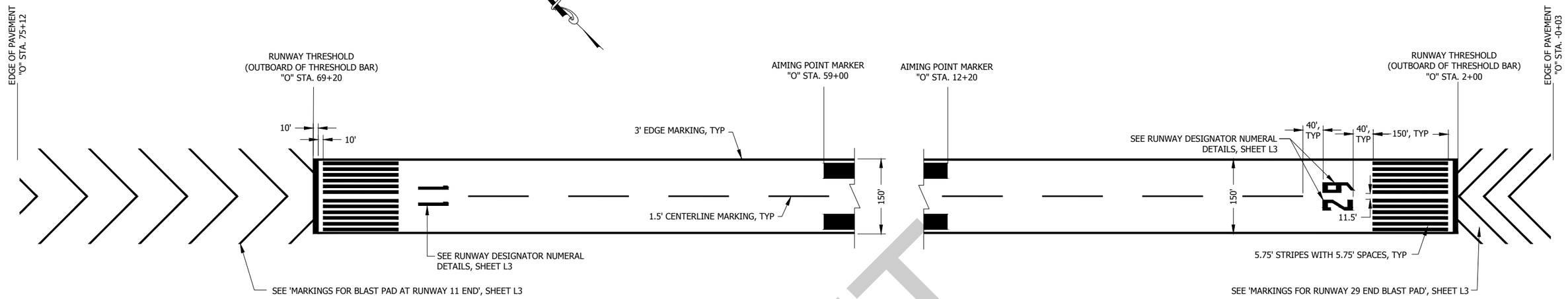
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.
PROFILE VIEW –
TAXIWAYS & HEAVY AIRCRAFT APRON

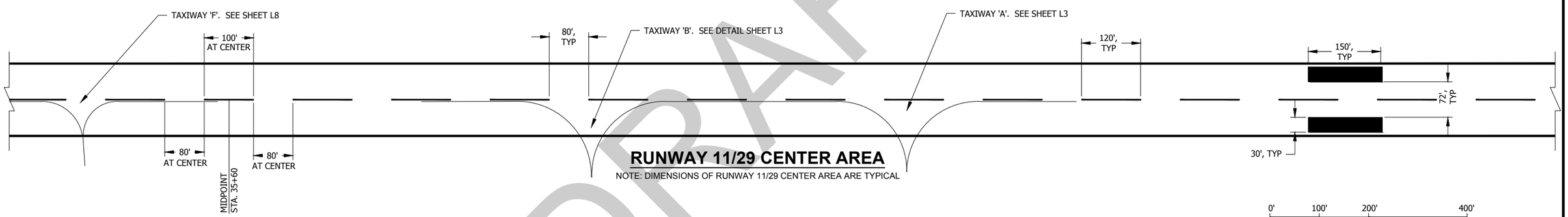
FILE | Q:\Gus\67517\Planset\67517_F9-F12_PROFILES.dwg | LAYOUT | F12 | 8/15/2019 16:32 | DATE | DESIGNED | T. FAGNANT | CHECKED | C. TRIPP | DRAFTED | T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L1	9



RUNWAY 11 END

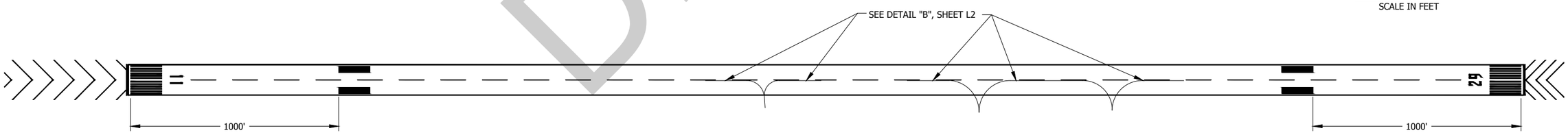
RUNWAY 29 END



RUNWAY 11/29 CENTER AREA

NOTE: DIMENSIONS OF RUNWAY 11/29 CENTER AREA ARE TYPICAL

0' 100' 200' 400'
SCALE IN FEET



RUNWAY 11/29 MARKING LAYOUT PLAN

0' 250' 500' 1000'
SCALE IN FEET

NOTES:

1. LAYOUT RUNWAY SPACING FROM BOTH ENDS TOWARDS CENTER.
2. ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE COLORED PAINT, EXCEPT THE YELLOW RUNWAY HOLDING POSITION MARKINGS, TAXIWAY MARKINGS, BLAST PAD MARKINGS AND LEAD-IN MARKINGS.
3. EXISTING RUNWAY SHALL BE FREE OF LOOSE OR FLAKING PAINT AS APPROVED BY THE ENGINEER, PRIOR TO RESTRIPING.
4. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS", AND APPLICABLE APPENDICES, CHANGES, AND UPDATES. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/

PLAN VIEW

STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER

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(907) 465-1763

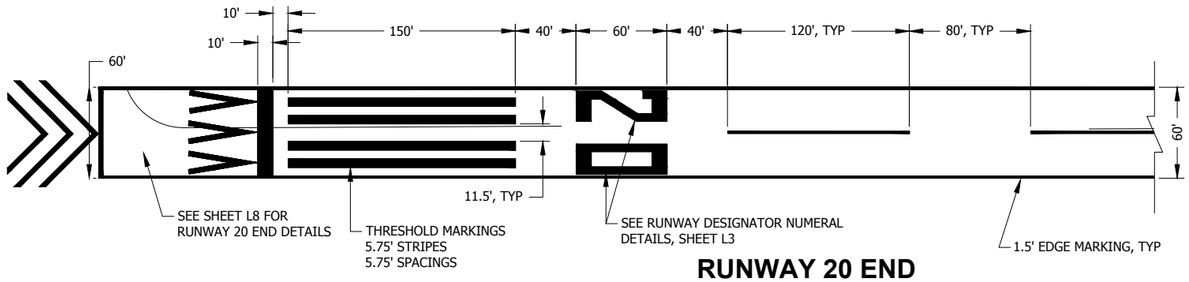
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

RUNWAY 11/29 MARKINGS

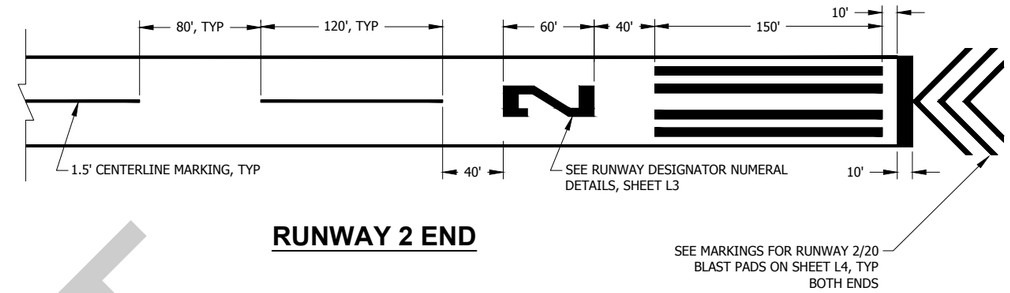
DRAFT

FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 16:57 | LAYOUT L1 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

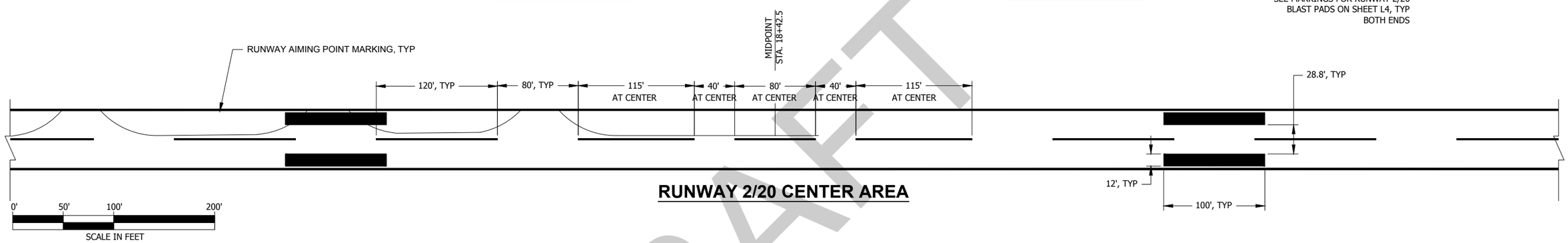
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L2	9



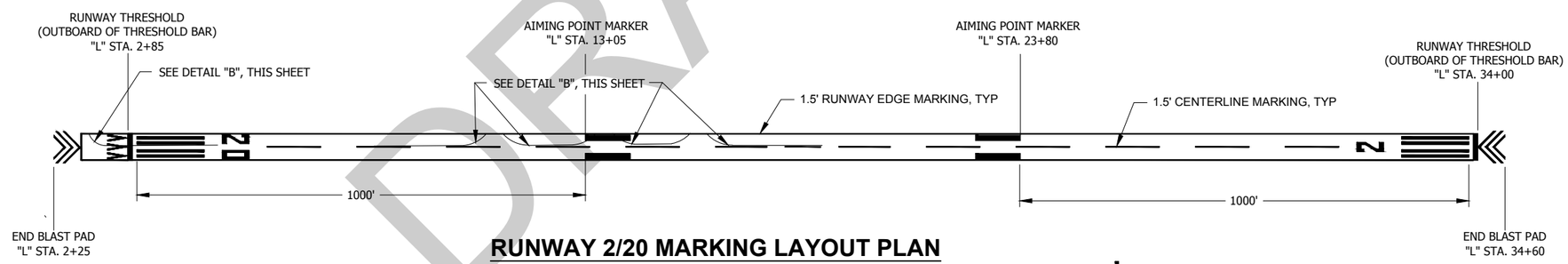
RUNWAY 20 END



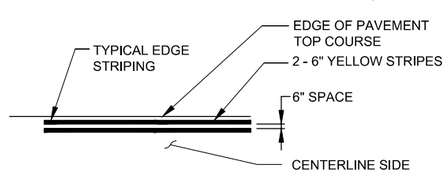
RUNWAY 2 END



RUNWAY 2/20 CENTER AREA

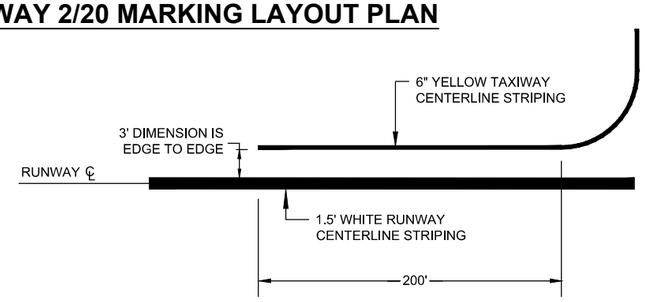


RUNWAY 2/20 MARKING LAYOUT PLAN



DETAIL "A"

TAXIWAY EDGE STRIPING



DETAIL "B"

RUNWAY - TAXIWAY INTERSECTION STRIPING

NOTES:

1. LAYOUT RUNWAY SPACING FROM BOTH ENDS TOWARDS CENTER.
2. ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE COLORED PAINT, EXCEPT THE YELLOW RUNWAY HOLDING POSITION MARKINGS, TAXIWAY MARKINGS, BLAST PAD MARKINGS AND LEAD-IN MARKINGS.
3. EXISTING RUNWAY SHALL BE FREE OF LOOSE OR FLAKING PAINT AS APPROVED BY THE ENGINEER, PRIOR TO RESTRIPING.
4. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS", AND APPLICABLE APPENDICES, CHANGES, AND UPDATES. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

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(907) 465-1763

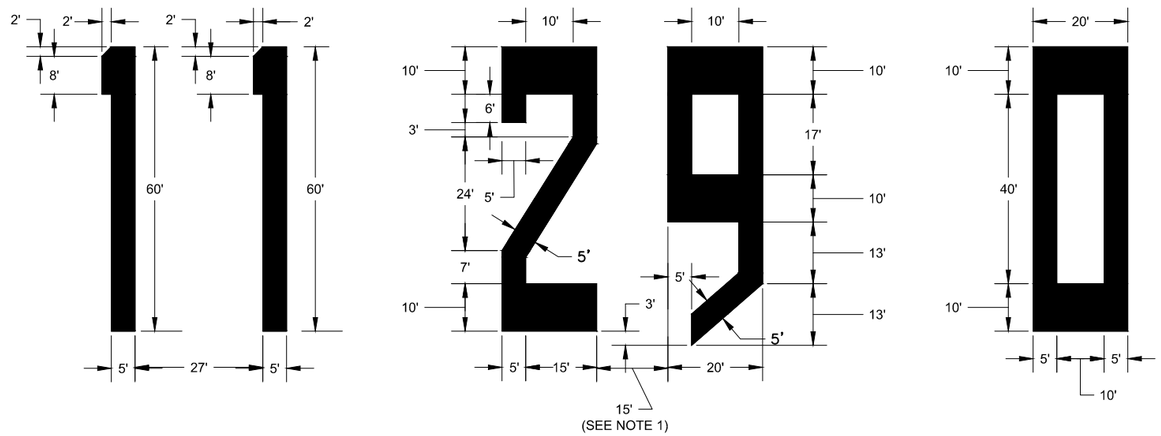
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

RUNWAY 2/20 MARKINGS

DRAFT

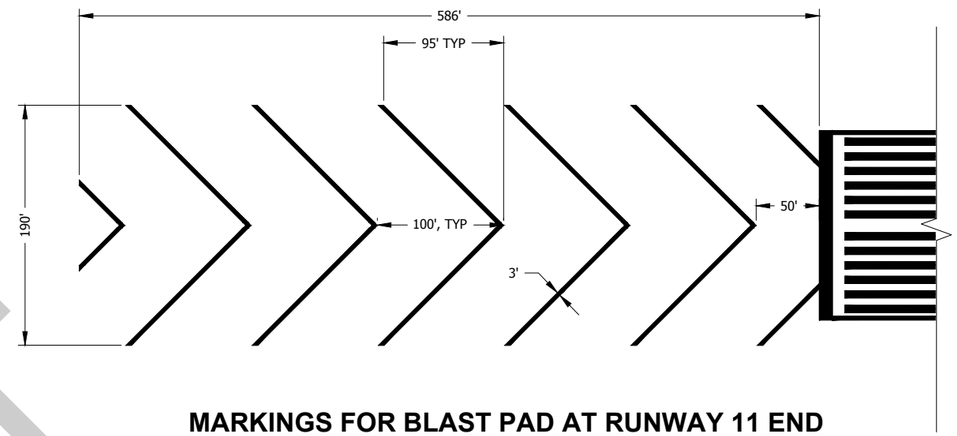
FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 16:57 | LAYOUT L2 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L3	9

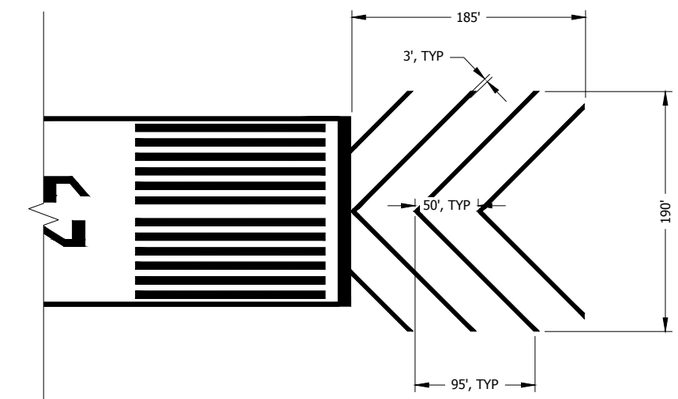


RUNWAY DESIGNATOR NUMERAL DETAILS

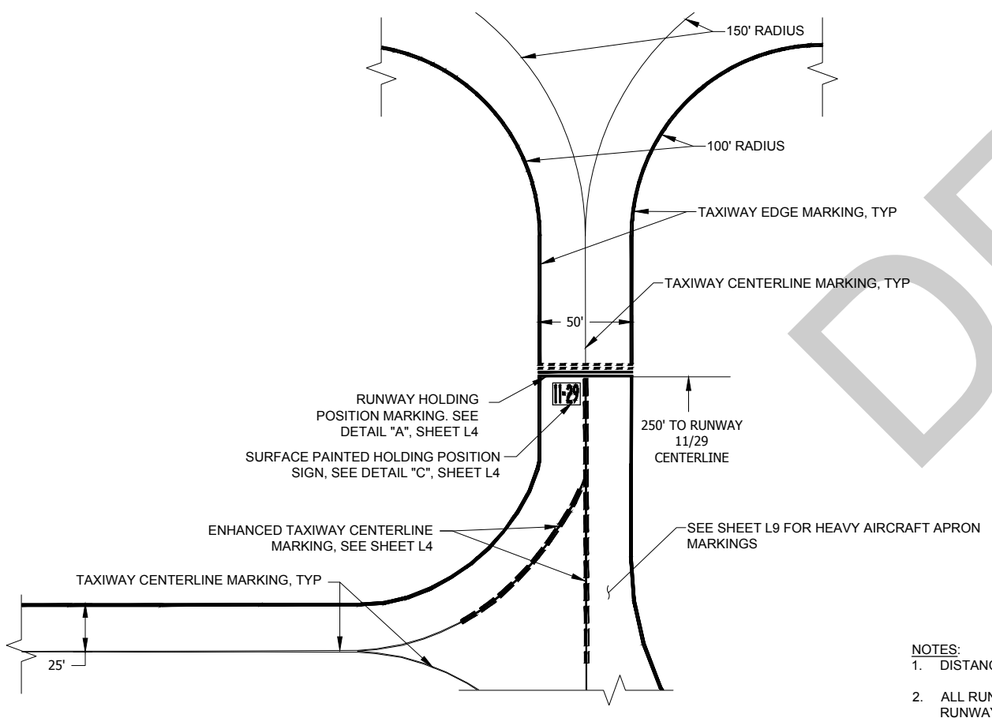
(WHITE)



MARKINGS FOR BLAST PAD AT RUNWAY 11 END



MARKINGS FOR BLAST PAD AT RUNWAY 29 END



MARKINGS FOR TAXIWAY 'A' & TAXIWAY 'B'

SEE NOTE 5

NOTES:

1. DISTANCE IS TYPICAL BETWEEN NUMERALS 2 & 9 AND BETWEEN NUMERALS 2 & 0.
2. ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE COLORED PAINT, EXCEPT THE YELLOW RUNWAY HOLDING POSITION MARKINGS, TAXIWAY MARKINGS, BLAST PAD MARKINGS AND LEAD-IN MARKINGS.
3. EXISTING RUNWAY SHALL BE FREE OF LOOSE OR FLAKING PAINT AS APPROVED BY THE ENGINEER, PRIOR TO RESTRIPING.
4. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS", AND APPLICABLE APPENDICES, CHANGES, AND UPDATES. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/
5. DETAIL SHOWN IS FOR TAXIWAY 'B'. DIMENSIONS ARE TYPICAL FOR BOTH TAXIWAY 'A' AND TAXIWAY 'B', WITH THE ENHANCED CENTERLINE CURVE & EDGE MARKING GOING TO THE OPPOSITE DIRECTION FOR TAXIWAY 'A'.

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

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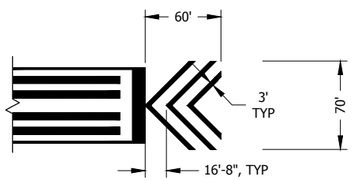
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

MARKING DETAILS

DRAFT

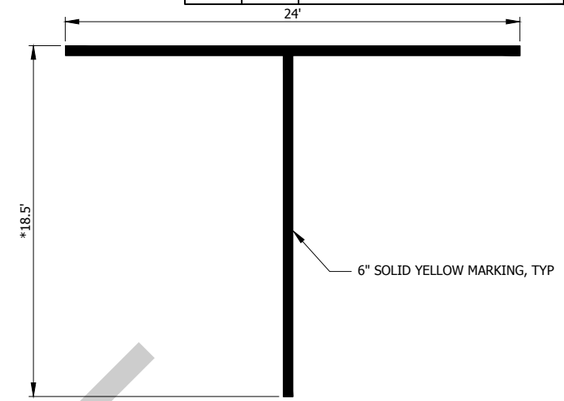
FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 16:57 | LAYOUT L3 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L4	9

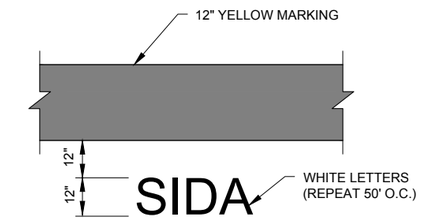


MARKINGS FOR RUNWAY 2/20 BLAST PADS

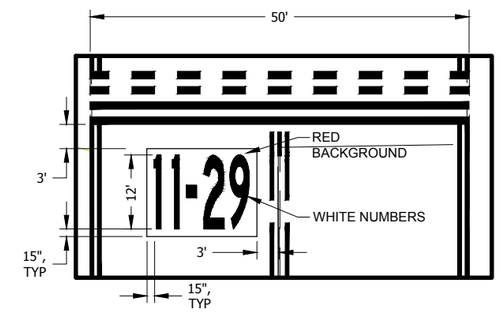
(RUNWAY 2 END SHOWN)



TIE-DOWN

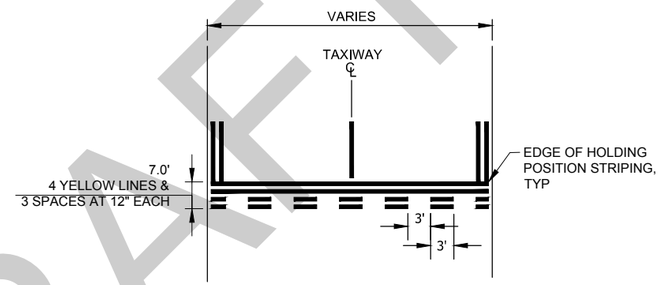


SIDA AREA MARKING



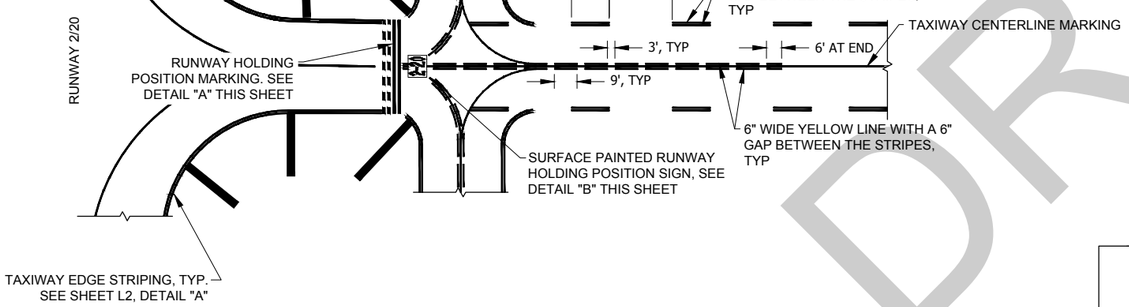
DETAIL "C"

RUNWAY 11/29 SURFACE PAINTED
HOLDING POSITION SIGN
N.T.S.

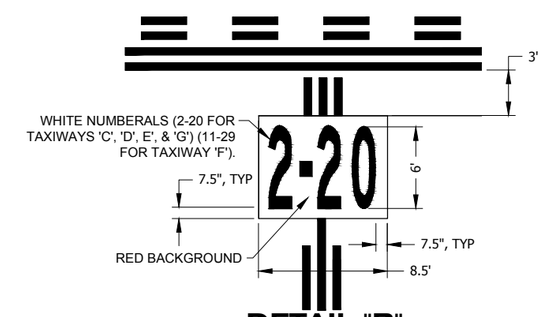


DETAIL "A"

TYPICAL RUNWAY HOLDING POSITION MARKING

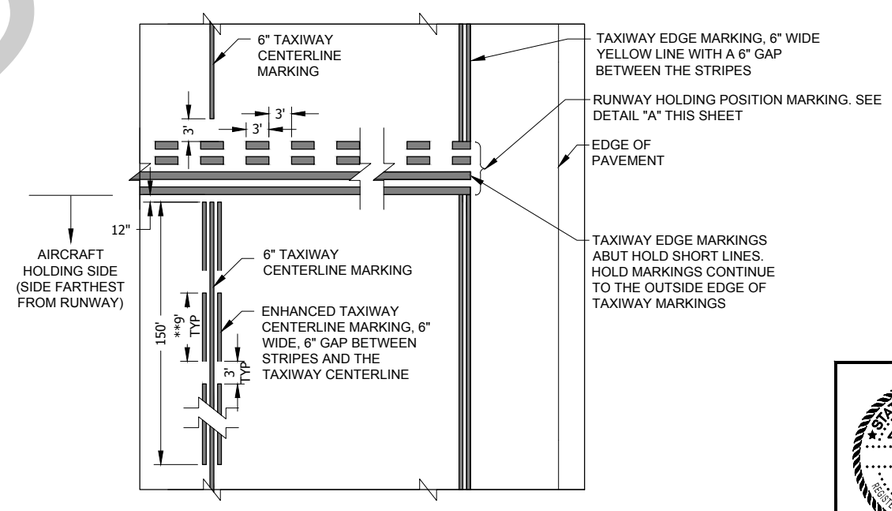


TAXIWAY 'C', TAXIWAY 'D', & TAXIWAY 'E' INTERSECTION WITH RUNWAY 2/20



DETAIL "B"

CENTERED TAXIWAY SURFACE
PAINTED HOLDING POSITION SIGN
N.T.S.



TAXIWAY INTERSECTION WITH RUNWAY

*USE 37' FOR LARGE TIE-DOWNS
**STRIPE FURTHEST AWAY FROM THE HOLD LINE IS 6'

NOTES:

1. ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE COLORED PAINT, EXCEPT THE YELLOW RUNWAY HOLDING POSITION MARKINGS, TAXIWAY MARKINGS, BLAST PAD MARKINGS AND LEAD-IN MARKINGS.
2. EXISTING RUNWAY SHALL BE FREE OF LOOSE OR FLAKING PAINT AS APPROVED BY THE ENGINEER, PRIOR TO RESTRIPING.
3. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS", AND APPLICABLE APPENDICES, CHANGES, AND UPDATES. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/

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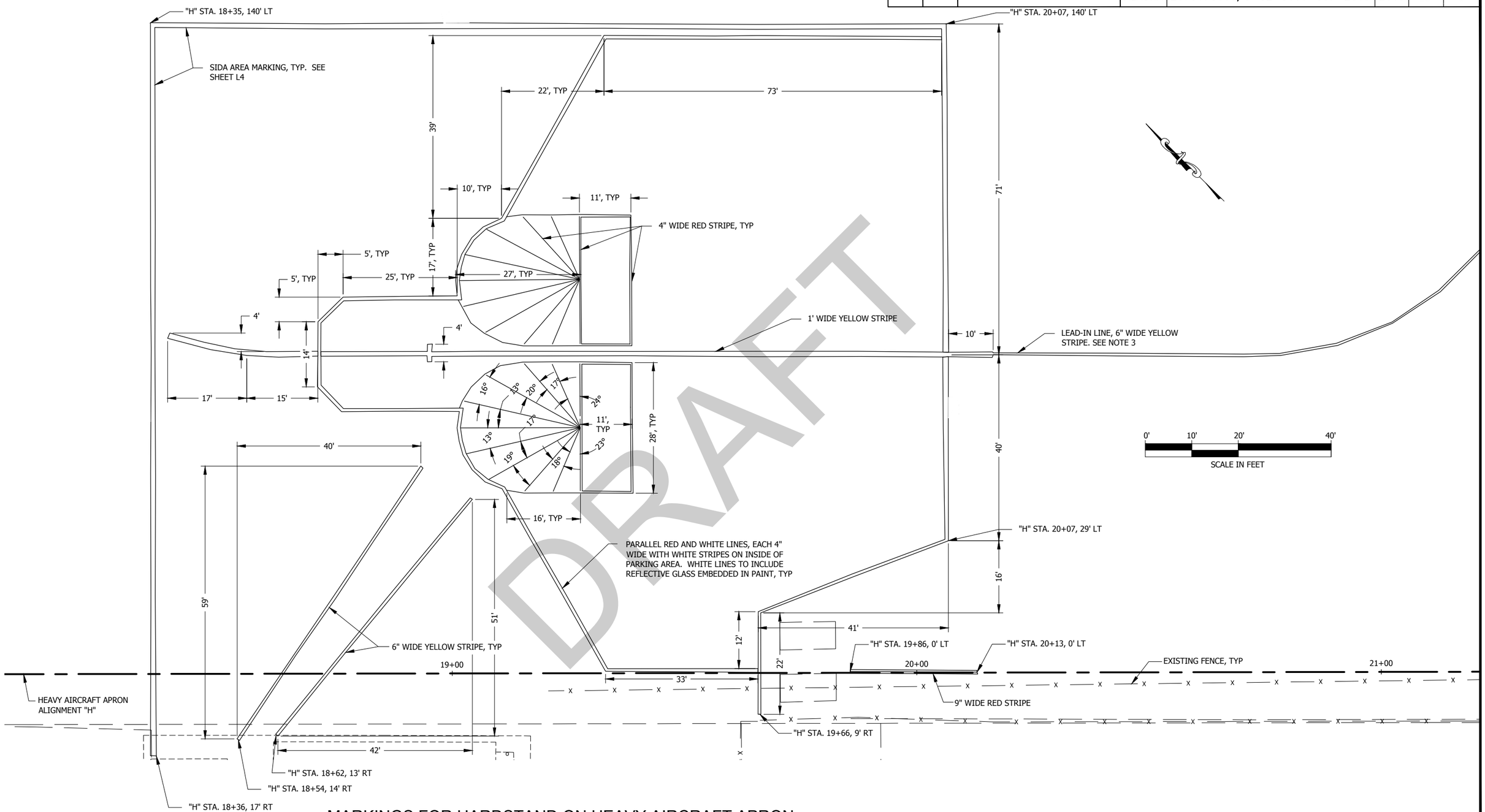
GST AIRPORT APRON, RUNWAY,
AND TAXIWAY PAVEMENT REHAB.

MARKING DETAILS

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
Q:\Gus\67517\Plonset\67517_L1-L9_MARKINGS.dwg	8/19/2019 16:57	L4	T. FAGNANT	C. TRIPP	T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L5	9



DRAFT

MARKINGS FOR HARDSTAND ON HEAVY AIRCRAFT APRON

NOTES:

1. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS", AND APPLICABLE APPENDICES, CHANGES, AND UPDATES. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/
2. ANGULAR MEASUREMENTS ARE TYPICAL FOR BOTH SIDES OF THE HARDSTAND MARKINGS.
3. THE CONTRACTOR SHALL AS-BUILT THE EXISTING LEAD-IN LINE PRIOR TO REMOVING THE EXISTING STRIPE.

PLAN VIEW

STATE OF ALASKA 49TH Charles M. Tripp CE-9613 REGISTERED PROFESSIONAL ENGINEER

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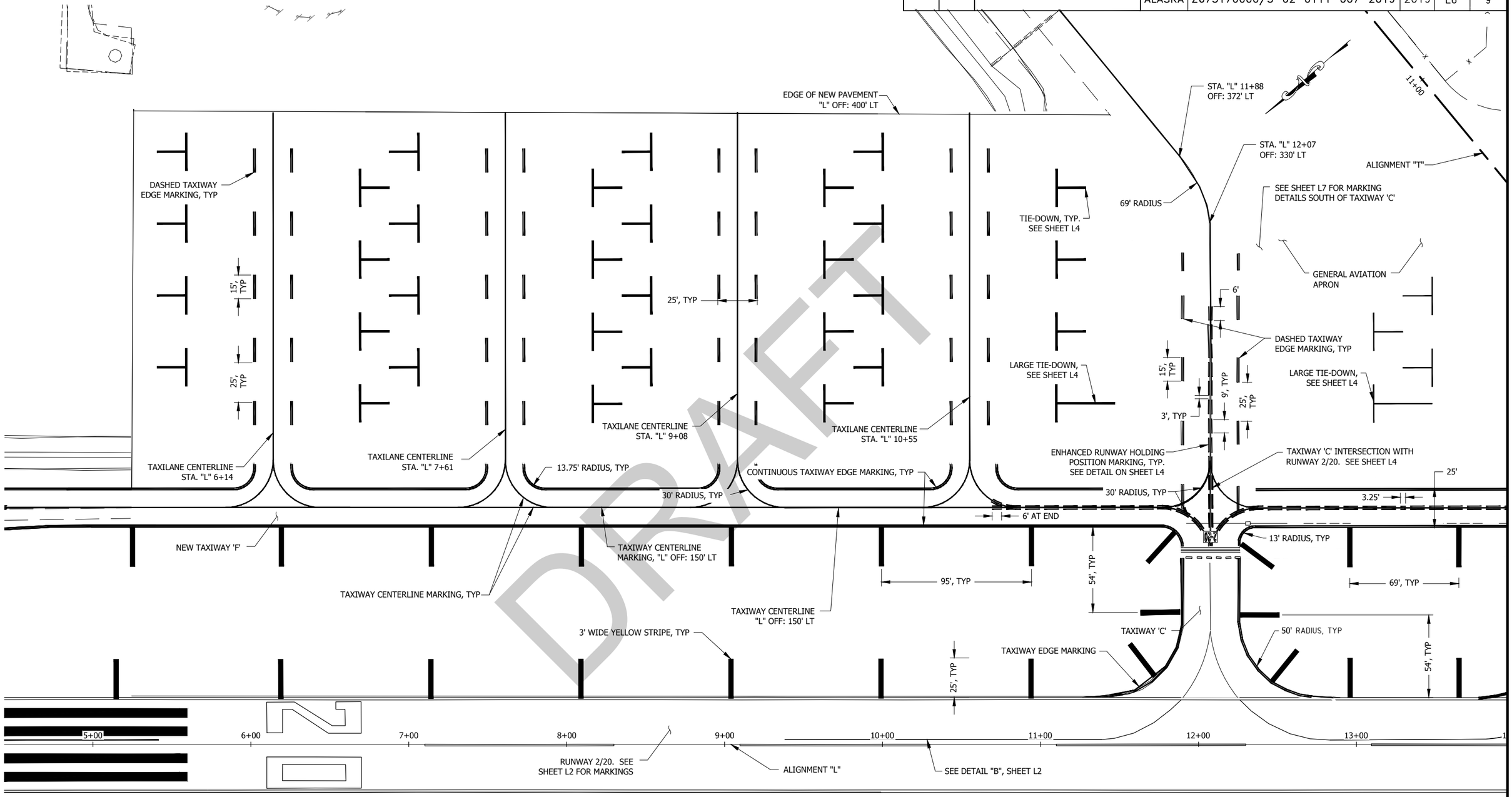
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

SIDA & HARDSTAND MARKINGS

FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 16:57 | LAYOUT L5 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z675170000/3-02-0111-007-2019	2019	L6	9



DRAFT

NOTES:

1. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS". SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/
2. SEE SHEET F5 FOR LOCATIONS OF TIE-DOWN MARKINGS.
3. ALL STRIPING TANGENTS ARE PERPENDICULAR OR PARALLEL TO ALIGNMENT "L" UNLESS NOTED DIFFERENTLY.

0' 30' 60' 120'
SCALE IN FEET

PLAN VIEW

STATE OF ALASKA 49TH
Charles M. Tripp
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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

NORTH GENERAL AVIATION APRON MARKINGS

FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 | LAYOUT L6 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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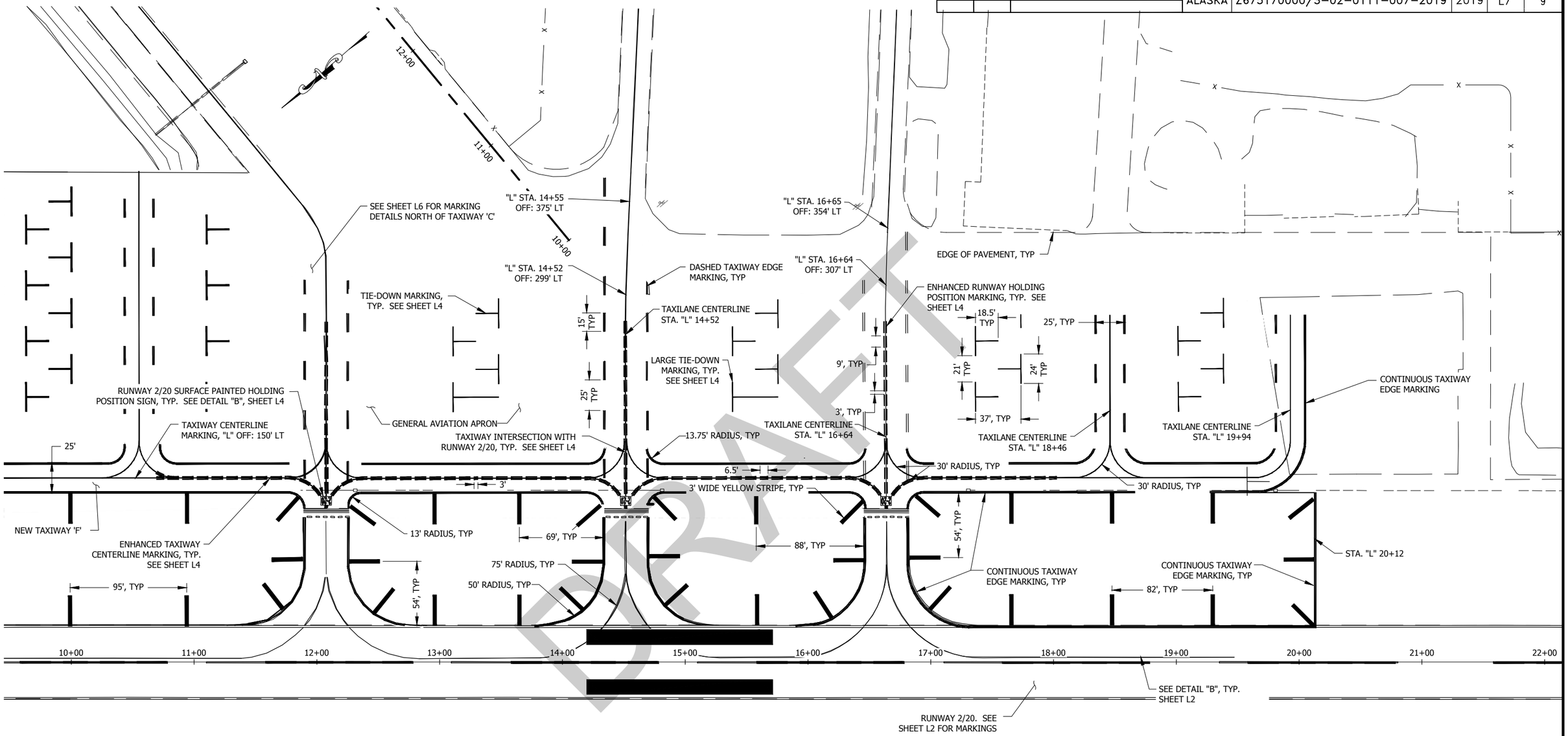

DRAFT

NOTES:

1. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS". SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/
2. SEE SHEET L6 FOR GENERAL AVIATION STRIPING DETAILS NORTHEAST OF TAXIWAY 'C'.
3. SEE SHEET F SHEETS FOR LOCATIONS OF TIE-DOWN AND TAXILANE MARKINGS.
4. ALL STRIPING TANGENTS ARE PERPENDICULAR OR PARALLEL TO ALIGNMENT "L" UNLESS SPECIFIED DIFFERENTLY.

PLAN VIEW

0' 40' 80' 160'
SCALE IN FEET

STATE OF ALASKA 49TH
Charles M. Tripp
CE-9613
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

SOUTH GENERAL AVIATION APRON MARKINGS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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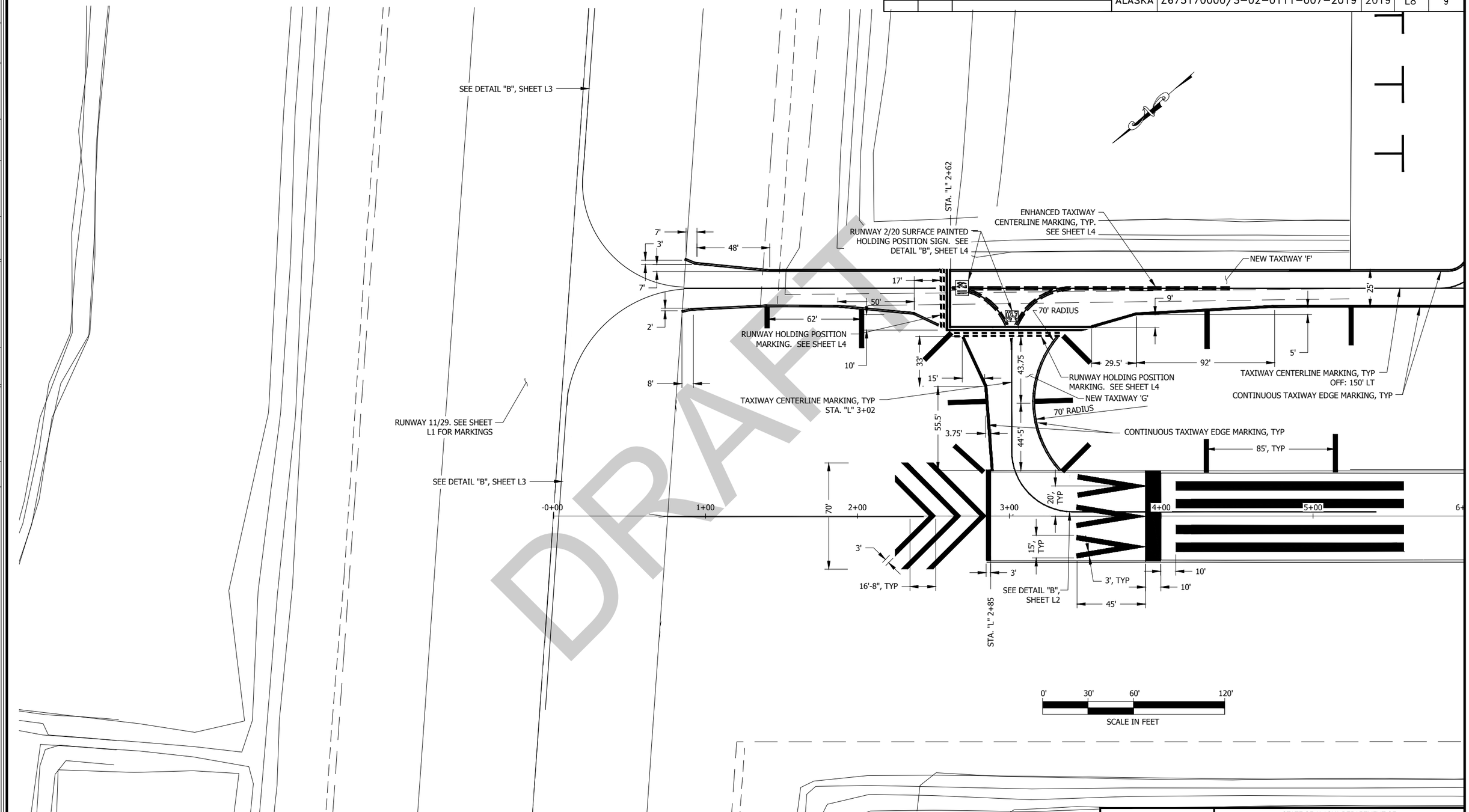

DRAFT

NOTES:

1. ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS".
2. SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/
3. SEE SHEET F5 FOR LOCATIONS OF TIE-DOWN MARKINGS.
4. ALL STRIPING TANGENTS ARE PERPENDICULAR OR PARALLEL TO ALIGNMENT "L" UNLESS NOTED DIFFERENTLY.

PLAN VIEW

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Charles M. Tripp CE-9613

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
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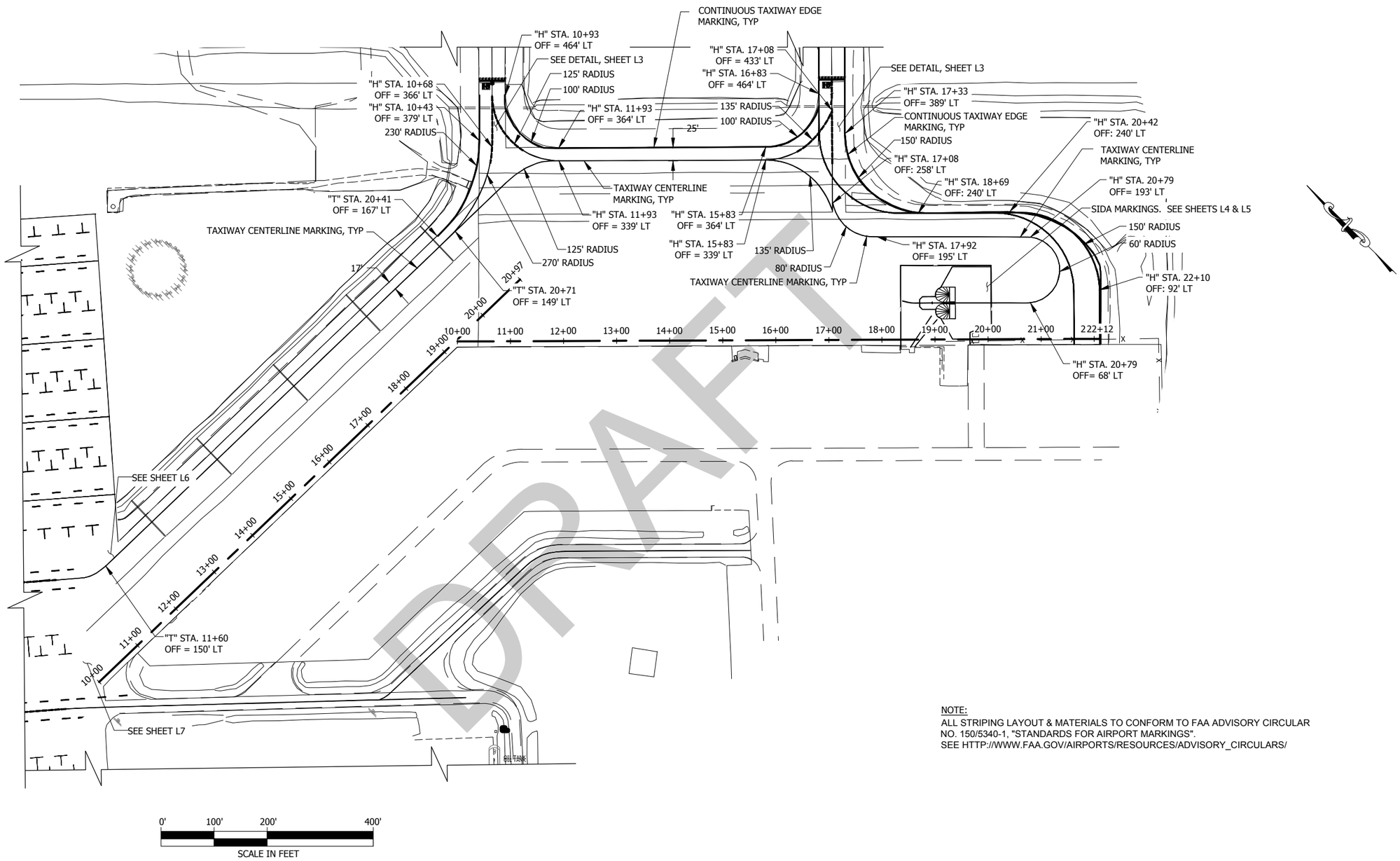
GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

RUNWAY 2/20 END, TAXIWAY 'F' & TAXIWAY 'G' MARKINGS

FILE Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE 8/19/2019 16:57 | LAYOUT L8 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z675170000/3-02-0111-007-2019	2019	L9	9



DRAFT

NOTE:
ALL STRIPING LAYOUT & MATERIALS TO CONFORM TO FAA ADVISORY CIRCULAR NO. 150/5340-1, "STANDARDS FOR AIRPORT MARKINGS".
SEE HTTP://WWW.FAA.GOV/AIRPORTS/RESOURCES/ADVISORY_CIRCULARS/

PLAN VIEW

STATE OF ALASKA 49TH
Charles M. Tripp
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REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

HEAVY AIRCRAFT & AIR TAXI APRON MARKINGS

FILE | Q:\Gus\67517\Planset\67517_L1-L9_MARKINGS.dwg | DATE | 8/21/2019 10:55 | LAYOUT | L9 | DESIGNED | T. FAGNANT | CHECKED | C. TRIPP | DRAFTED | T. FAGNANT

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DATE	7/29/2019 10:48
LAYOUT	Q1
DESIGNED	T. FAGNANT
CHECKED	T. FAGNANT
DRAFTED	C. TRIPP
	T. FAGNANT

SHEET NO.	TOTAL SHEETS
Q1	4
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

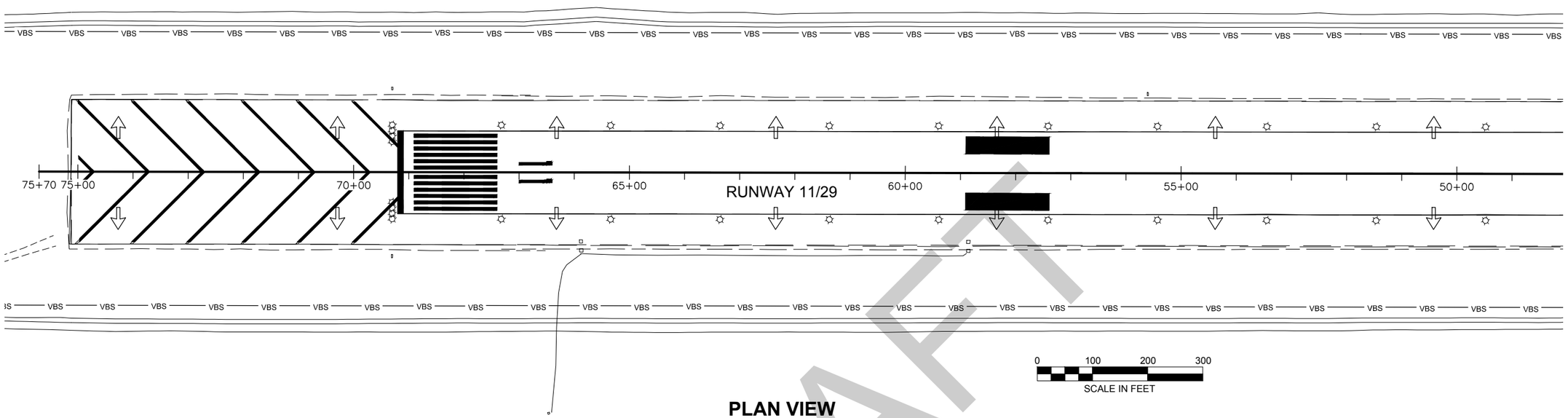
ATTACHMENT NO.

REVISIONS

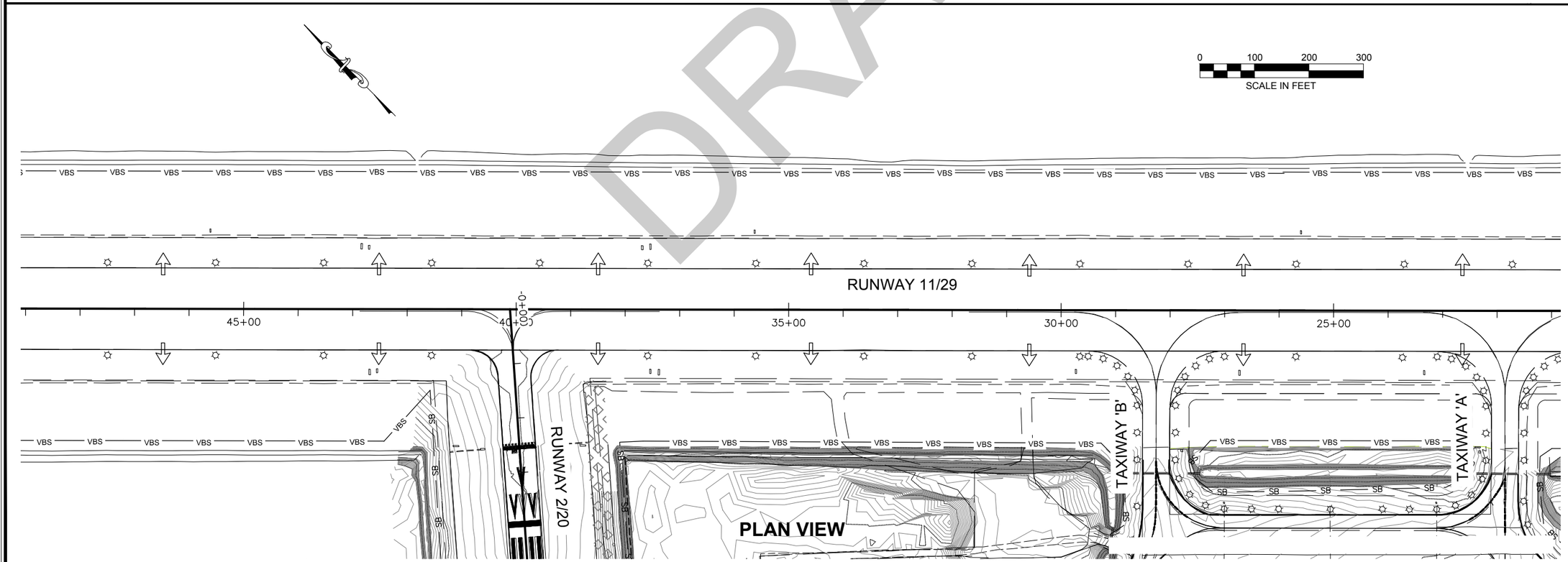
NO.	DATE	DESCRIPTION

LEGEND

- DRAINAGE FLOW
- SB — SEDIMENT BARRIER
- VBS — VEGETATIVE BUFFER STRIP



PLAN VIEW



PLAN VIEW

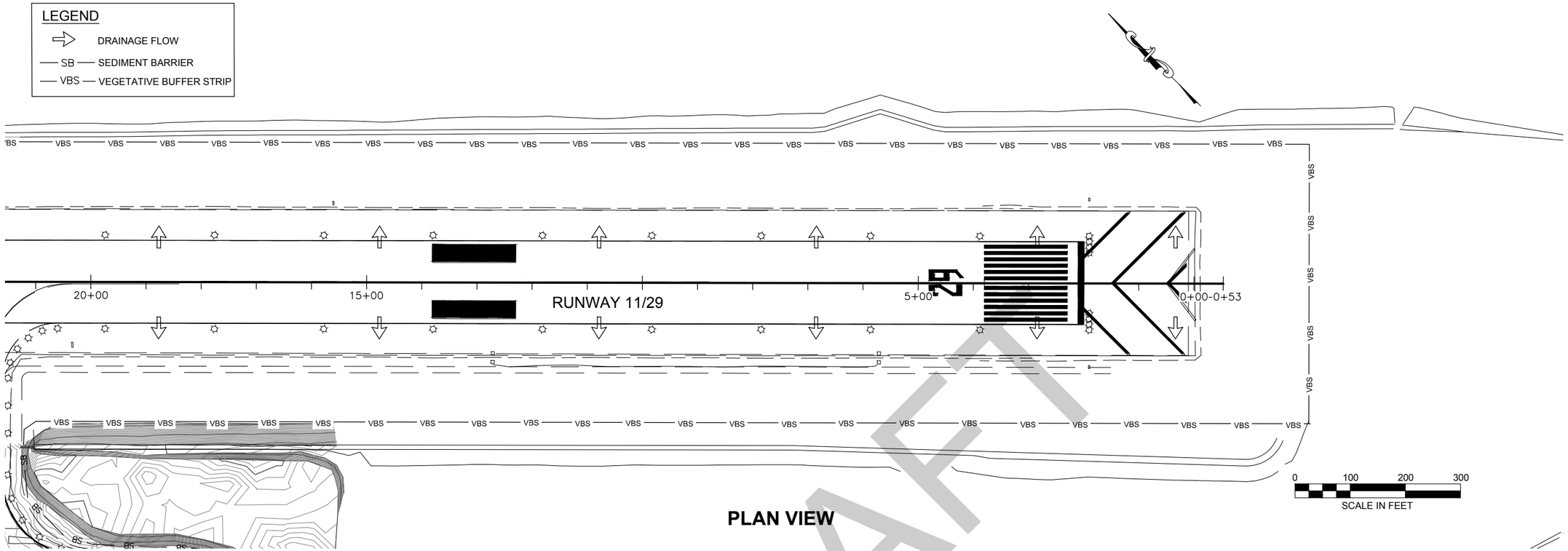
DRAFT

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

ESCP – RUNWAY 11/29



PLAN VIEW

DRAFT

SHEET NO.	TOTAL SHEETS
Q2	4
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

ESCP – RUNWAY 11/29

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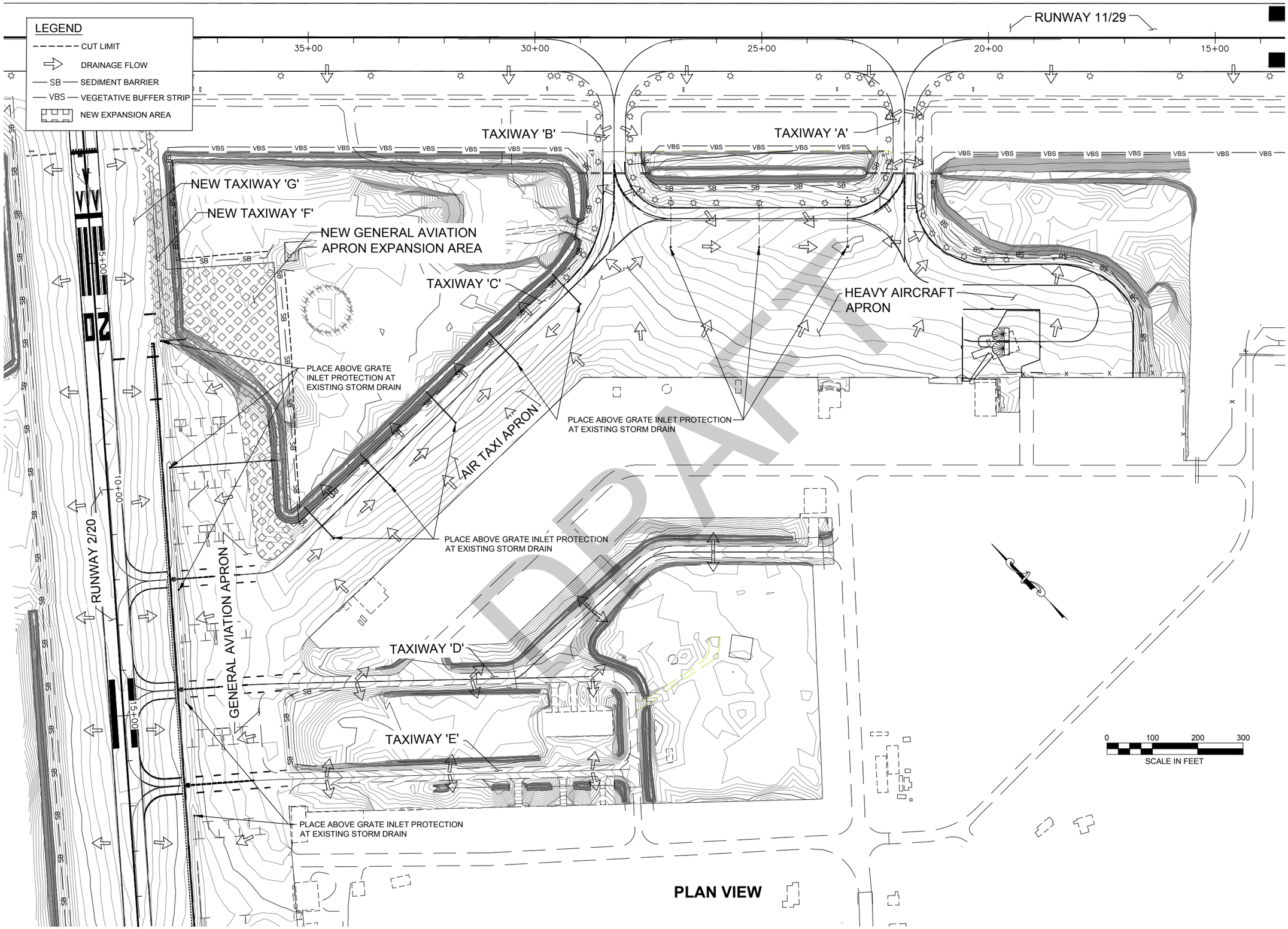


PLAN VIEW

SHEET NO.	TOTAL SHEETS
Q3	4
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

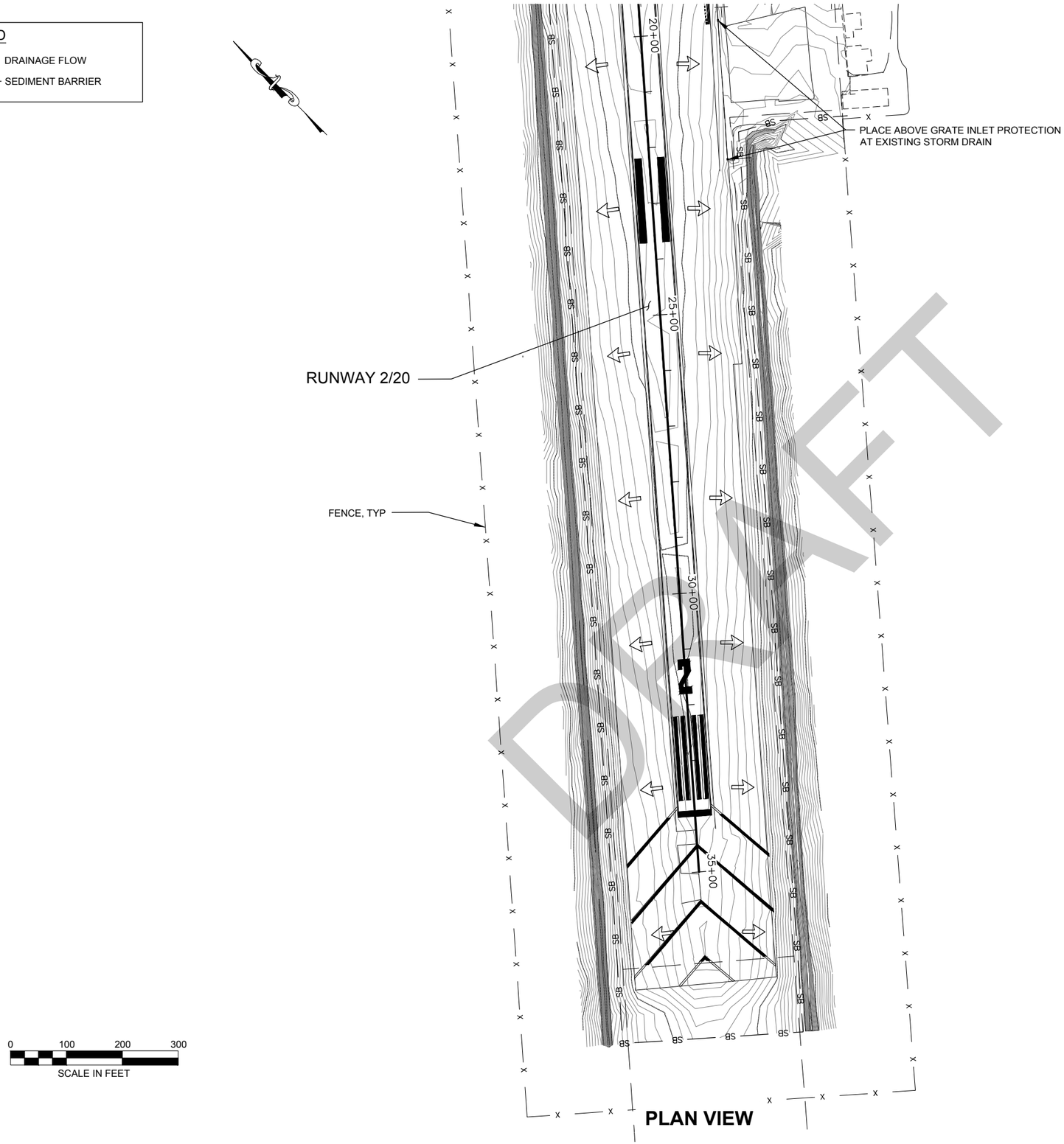
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HWY, JUNEAU, AK 99811
(907) 465-1783

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

ESCP – RUNWAY 2/20, APRONS & TAXIWAYS

FILE Q:\Gus\67517\Planset\67517_Q1-Q4_ESCP.dwg | DATE 7/29/2019 10:48 | LAYOUT Q3 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT



PLAN VIEW

SHEET NO.	TOTAL SHEETS
Q4	4
STATE	YEAR
ALASKA	2019

PROJECT DESIGNATION
Z675170000/
3-02-0111-007-2019

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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(907) 465-1763

GST AIRPORT APRON, RUNWAY, AND TAXIWAY PAVEMENT REHAB.

ESCP – RUNWAY 2/20

FILE Q:\Gus\67517\Planset\67517_Q1-Q4_ESCP.dwg | DATE 7/29/2019 10:48 | LAYOUT Q4 | DESIGNED T. FAGNANT | CHECKED C. TRIPP | DRAFTED T. FAGNANT