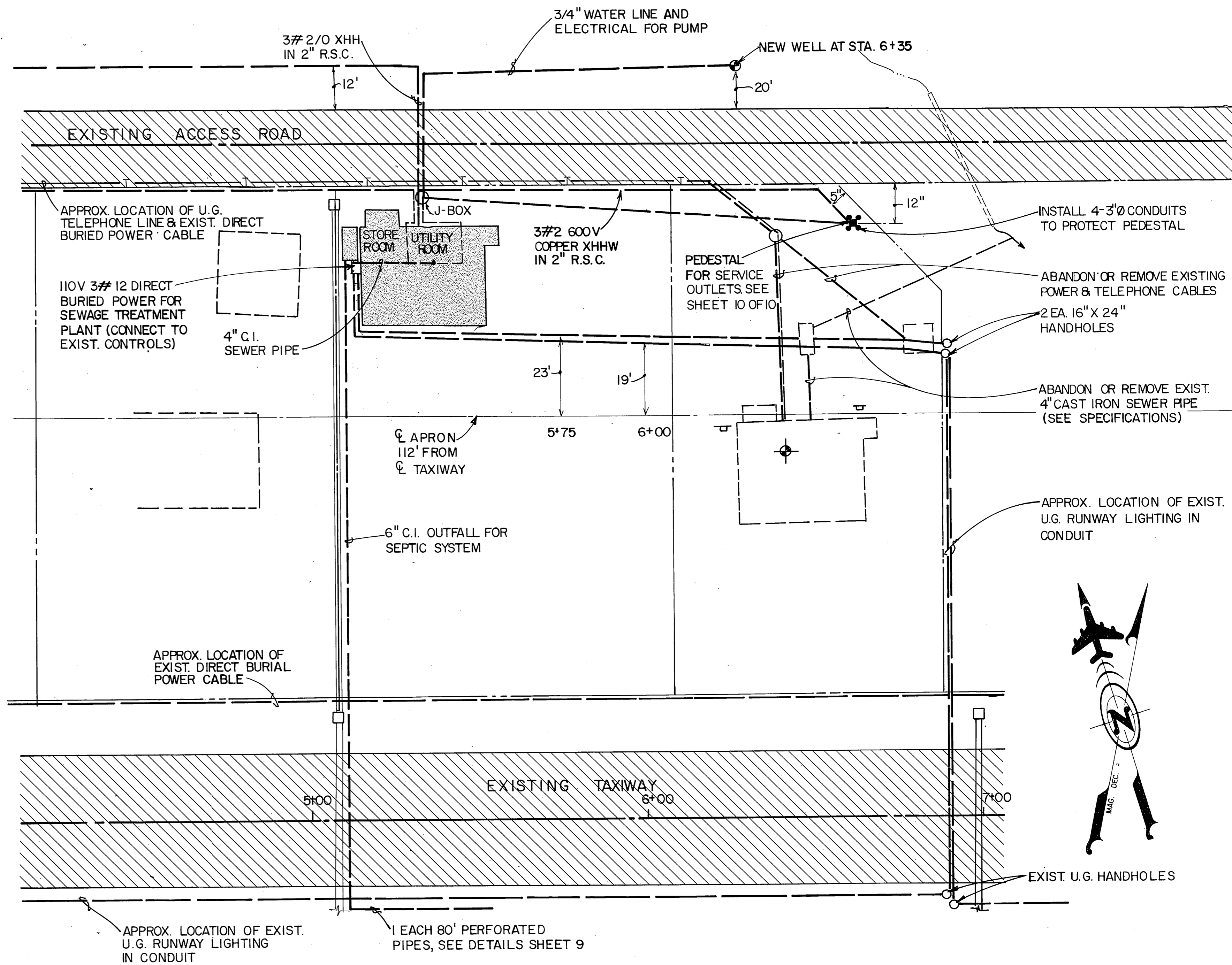


**STORAGE ROOM FLOOR PLAN & ELECTRICAL DETAILS**  
1/2" = 1'-0"

- LEGEND**
- RUNWAY CONTROL EQUIPMENT RELOCATED INTO STORAGE ROOM OF TERMINAL BLDG.
  - NEW EQUIPMENT



**UTILITIES PLAN**  
1" = 20'

- LEGEND**
- NEW OR RELOCATED
  - EXISTING PAVEMENT

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

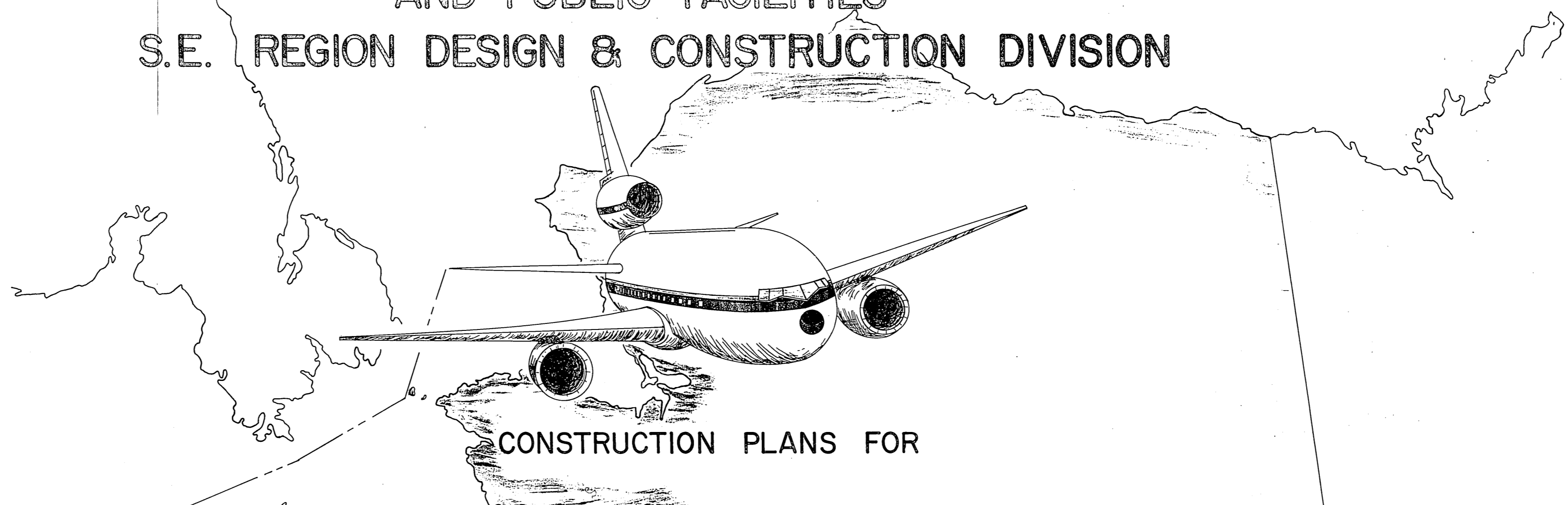
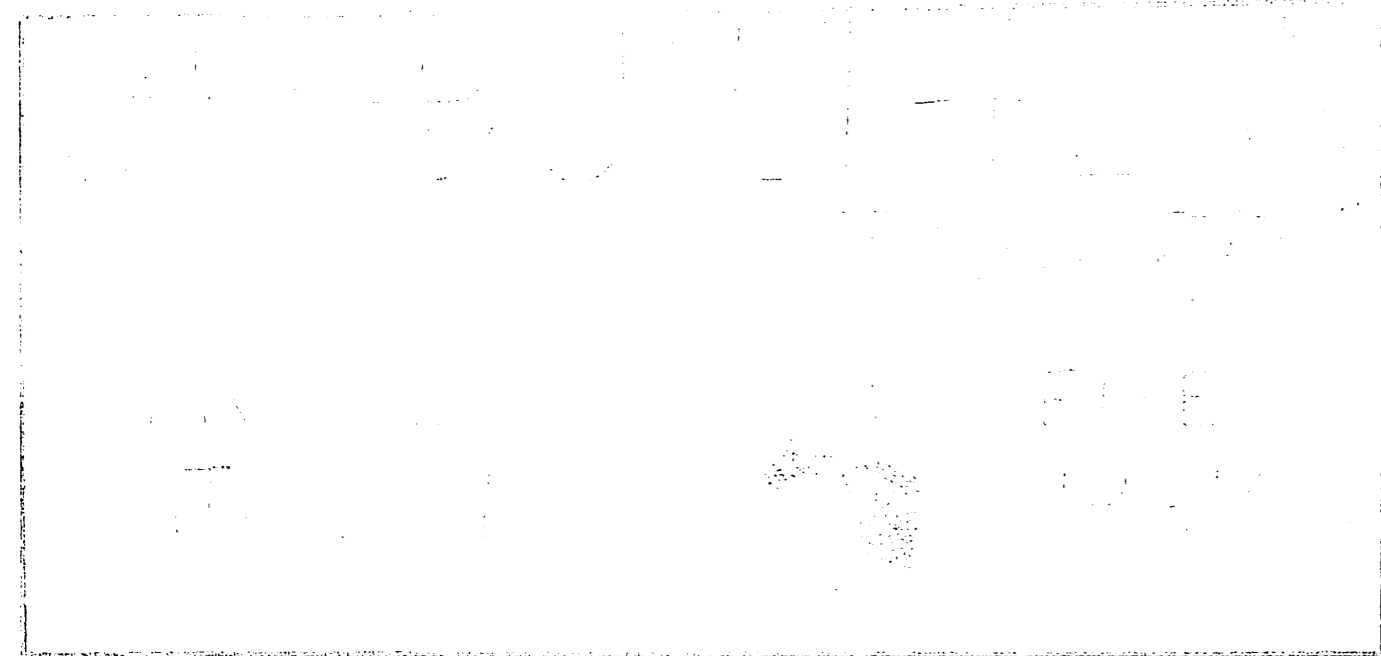
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

**HAINES AIRPORT**  
A.I.P. NO. 3-02-0112-03  
**HAINES AIRPORT IMPROVEMENTS**

APPROVED BY:	DESIGNED BY: <b>LARRY GEISE</b>	SCALE:
RECOMMENDED BY:	DRAWN BY: <i>Clu</i>	DATE:
PREPARED BY:	CHECKED BY:	SHEET OF
PROJECT MANAGER	LEAD DESIGNER	

ENGINEER'S STAMP

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
S.E. REGION DESIGN & CONSTRUCTION DIVISION



THE FOLLOWING STANDARD DRAWINGS  
SHALL APPLY TO THIS PROJECT: A-1,  
C-01.02, C-02.00, D-05.10

CONSTRUCTION PLANS FOR

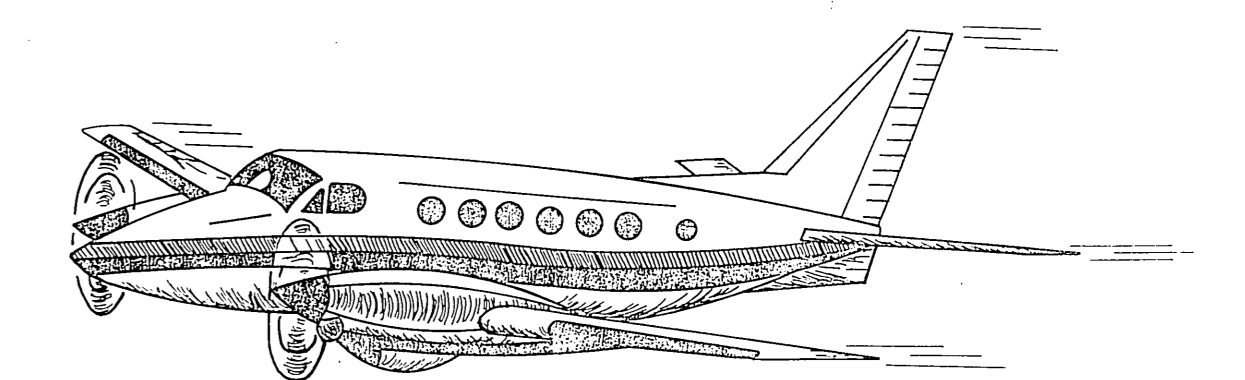
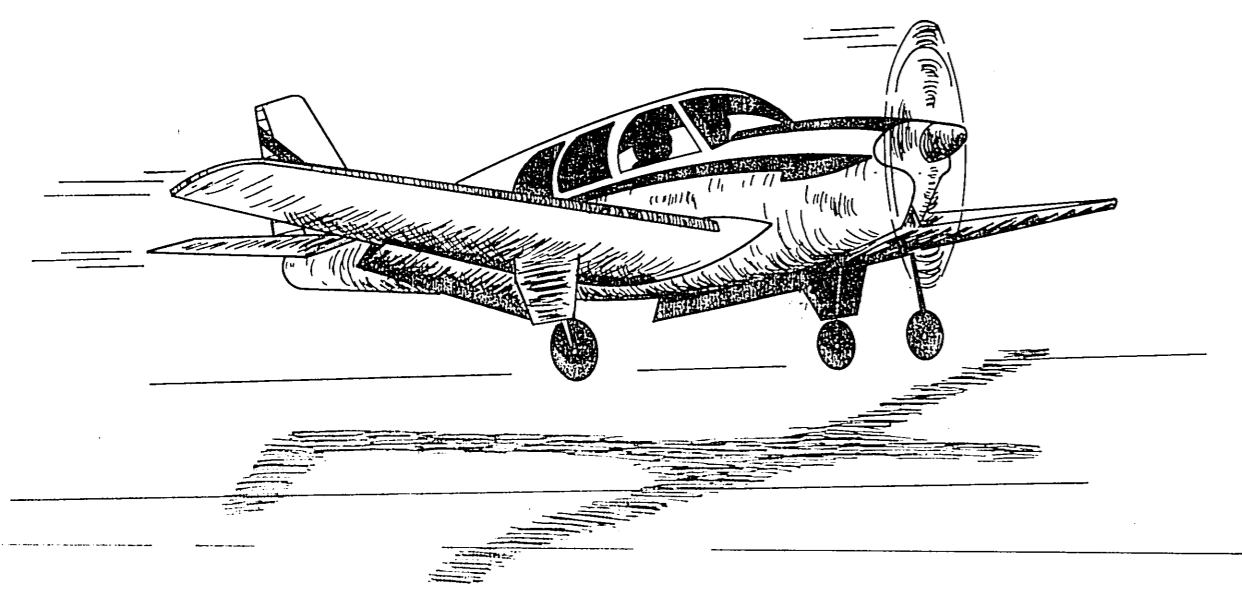
# HAINES AIRPORT IMPROVEMENTS

BUILDING RELOCATIONS, INCLUDING UTILITIES ADJUSTMENTS,  
& APRON IMPROVEMENTS, INCLUDING DRAINAGE, PAVING, & GRADING

A.I.P. NO. 3-02-0112-02  
STATE PROJECT NO. 69266

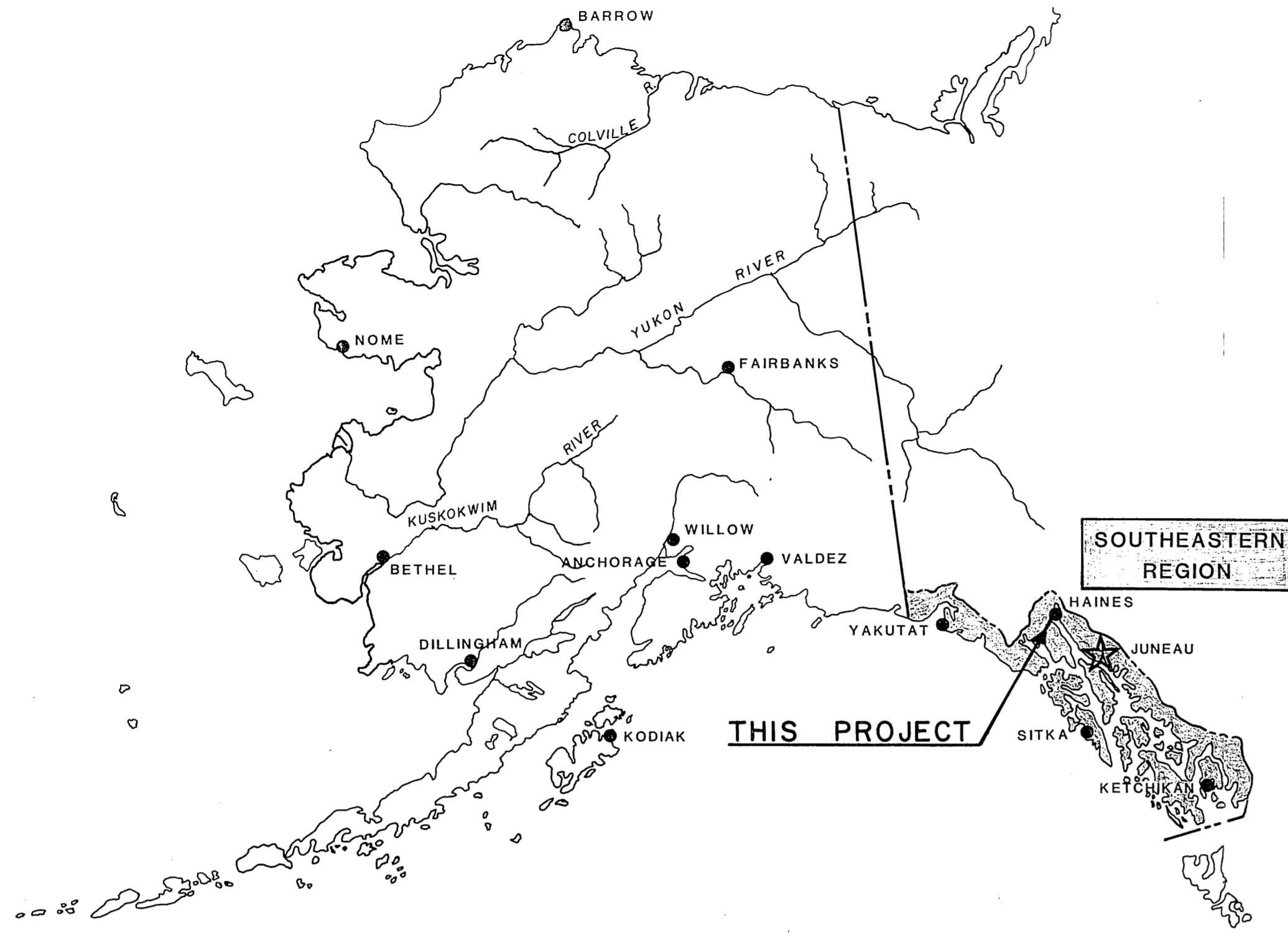
SPONSORED BY  
THE STATE OF ALASKA

## 1987



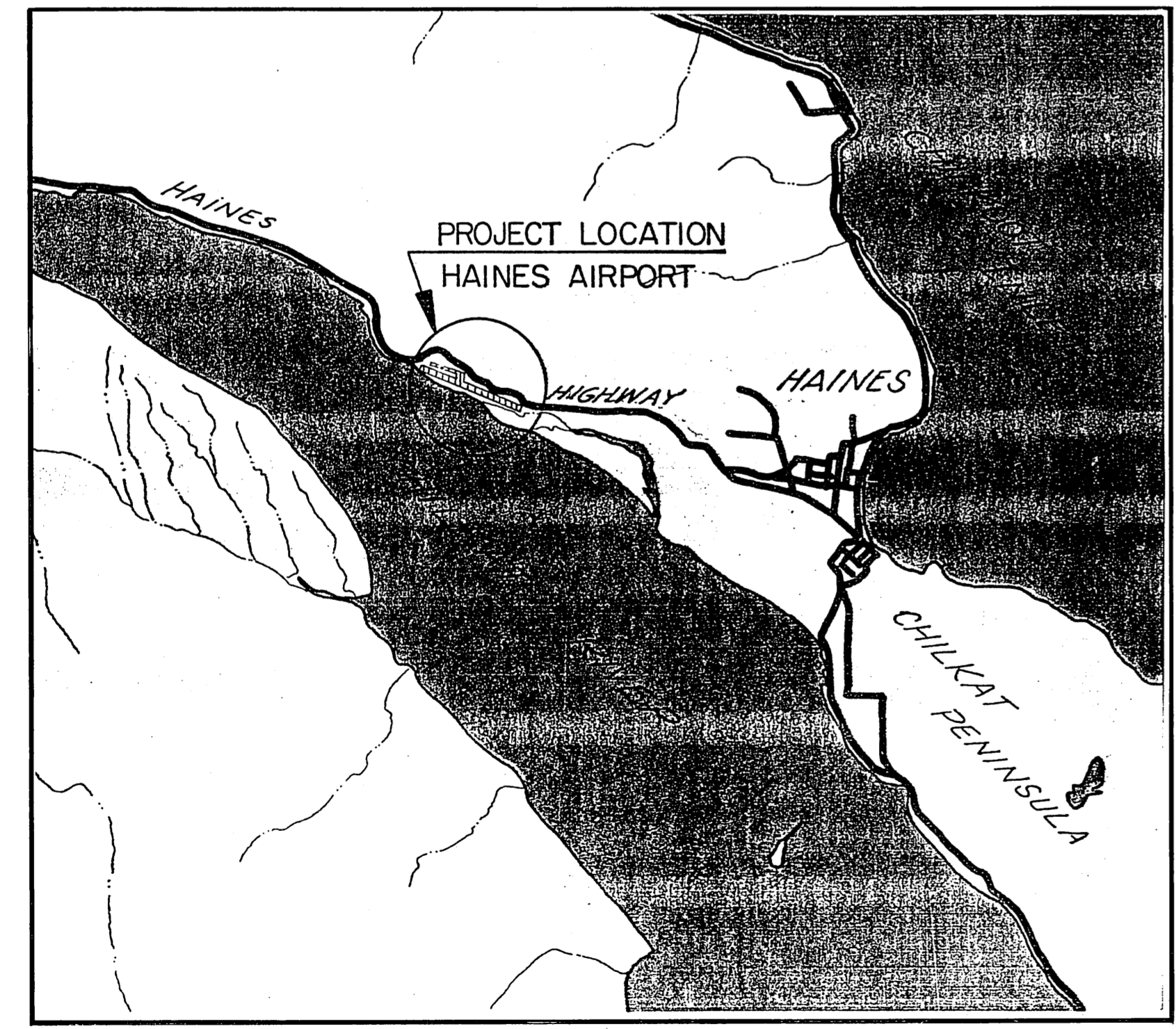
APPROVED  
*Donald D. Dieckmeyer*  
DONALD D. DIECKMEYER, DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION  
DATE 4-2-87

APPROVED  
*Wallace K. Williams*  
WALLACE K. WILLIAMS, DESIGN CHIEF, S.E. REGION DESIGN  
DATE 4-2-87



**LOCATION MAP**

NO. SCALE



**VICINITY MAP**

SCALE 1" = 1 MILE

**ESTIMATED QUANTITIES**

NO.	ITEM	QUANTITY	UNIT
90	MBE & WBE ADJUSTMENTS	ALL REQD.	CS
100	MOBILIZATION & DEMOBILIZATION	ALL REQD.	LS
111	TEMPORARY EROSION & POLLUTION CONTROL	ALL REQD.	CS
121	CONST. SURVEYING BY THE CONTRACTOR	ALL REQD.	LS
125	ENGINEERING TRANSPORTATION	ALL REQD.	LS
200a	CLEARING & GRUBBING	0.70	ACRE
330e	UNCLASSIFIED EXCAVATION	700.00	C Y
330d	BORROW EMBANKMENT	2,500.00	C Y
400	18 IN. CORRUGATED STEEL PIPE	392	L F
510a	CRUSHED AGG. BASE COURSE	2,756	TON
650a	BITUMINOUS MATL'S SURFACE TREATMENT	35	TON
650b	AGG. SURFACE TREATMENT	265	TON
650c	PAVEMENT PATCH	144	L F
820a	TIE-DOWN ANCHORS	36	EA.
900	SEEDING	1.80	MSF
1060	TEMPORARY APRON SPACE	ALL REQD.	LS
1070	FIELD INLET	4	EA.
1080a	TERMINAL BLDG. RELOCATION	ALL REQD.	LS
1080bb	ELECTRICAL RELOCATION	ALL REQD.	LS
<b>DELETIVE BID</b>			
650a	BITUMINOUS MATL'S SURFACE TREATMENT	35	TON
650b	AGG. SURFACE TREATMENT	265	TON

**INDEX**

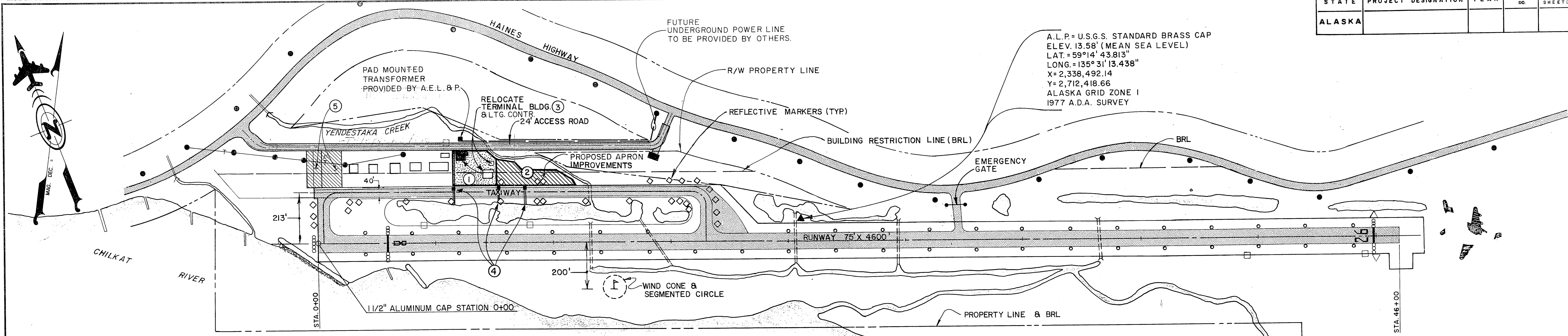
SHEET TITLE	SHEET NO.
TITLE SHEET	1
LOCATION MAP, VICINITY MAPS, INDEX OF SHEETS AND ESTIMATED QUANTITIES	2
SITE AND BOUNDARY PLAN	3
TYPICAL SECTIONS	4
APRON PLAN, PROFILE, & DETAILS	5
APRON EXTENSION PLAN & PROFILE	6
ELECTRICAL DETAILS & UTILITIES RELOCATION PLAN	7
TERMINAL BUILDING	8
DRAINAGE SECTIONS, DETAILS & SUMMARIES	9
ELECTRICAL DETAILS	10
ELECTRICAL WIRING DETAILS	11



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 S.E. REGION DESIGN & CONSTRUCTION  
 HAINES AIRPORT IMPROVEMENTS  
 PROJECT NO. 69266  
 A.I.P. NO. 3-02-0112-02  
 LOCATION AND VICINITY MAPS,  
 INDEX AND ESTIMATED QUANTITIES

APPROVED	WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN		
APPROVED	WILLIAM L. BAUMGARTER, P.E. DESIGN CHIEF GROUP 'B'		
BY	DATE	CHANGE	REVISIONS
AS SHOWN	CHECKED	DATE	SHEET 2 OF 11

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA				



A.L.P. = U.S.G.S. STANDARD BRASS CAP  
 ELEV. 13.58' (MEAN SEA LEVEL)  
 LAT. = 59°14' 43.813"  
 LONG. = 135° 31' 13.438"  
 X = 2,338,492.14  
 Y = 2,712,418.66  
 ALASKA GRID ZONE 1  
 1977 A.D.A. SURVEY

**IMPROVEMENTS THIS PROJECT**

- ① RAISE, & REGRADE EXIST. APRON; & ADD TIEDOWNS.
- ② PROVIDE NEW APRON SPACE WITH TIEDOWNS.
- ③ RELOCATE TERMINAL BUILDING TO NEW LOCATION. ALSO LIGHTING CONTROLS.
- ④ ADD NEW CULVERTS, INLETS, & RELATED DRAINAGE IMPROVEMENTS.
- ⑤ REGRADE AND ADD CRUSHED AGGREGATE BASE COURSE FOR TEMPORARY APRON SPACE. (SEE DETAIL THIS SHEET).

**SITE PLAN**

SCALE: 1" = 200'

**LEGEND**

- EXISTING APRON IMPROVEMENT.
- NEW APRON EXTENTION.
- NEW INLET
- NEW CULVERT
- EXIST. REFLECTIVE MARKER.
- EXIST. RUNWAY LIGHTS.
- EXIST. OVERHEAD UTILITY POLES.
- EXIST. CULVERT

**NOTES:**

- 1 ALL ELEVATIONS ARE MEAN SEA LEVEL.
- 2 BASIS OF HORIZONTAL AND VERTICAL CONTROL:  
 -BASIS OF VERTICAL CONTROL IS BASED UPON A 1 1/2" ALUMINUM CAP, CENTERLINE STATION 0+00 OF THE RUNWAY AT AN ELEVATION OF 15.46 MSL.  
 -BASIS OF HORIZONTAL CONTROL IS BASED UPON THE 1 1/2" ALUMINUM CAP AT CENTERLINE STATION 0+00 OF THE RUNWAY, AND SPLITTING THE RUNNING CENTERLINE AT STATION 45+00 AND PROVIDING A PARALLEL LINE OFFSET FROM THE RUNWAY AT 325 FT. LEFT.

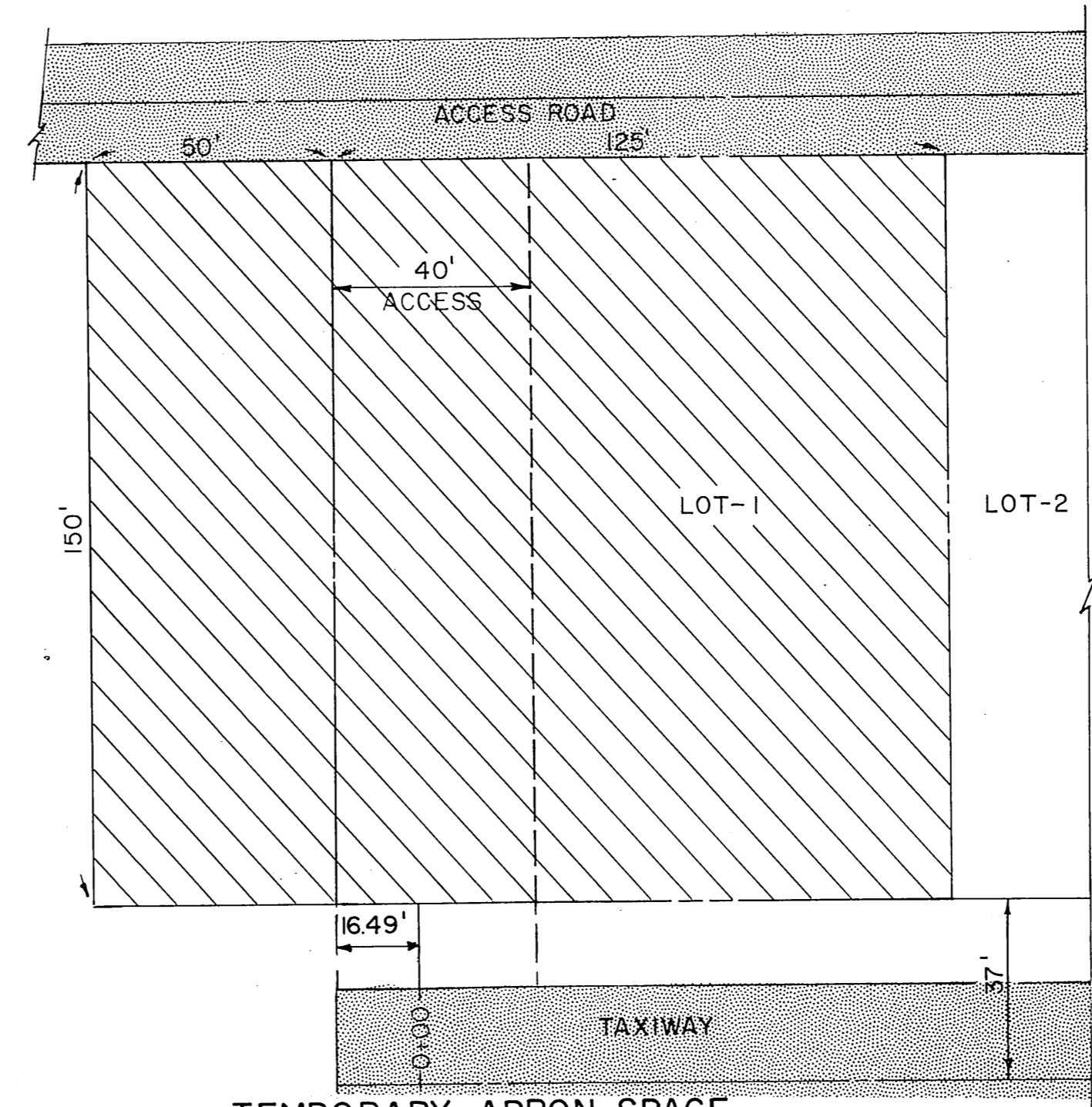
-BASIS OF ESTIMATE-

ITEM NO.	APPLICATION	ITEM	ESTIMATING FACTOR
510A		CRUSHED AGGREGATE BASE COURSE	2.12 TONS / CU. YD.
650A	FIRST APPLICATION	BITUMINOUS MATERIAL SURFACE TREATMENT	.41 GAL./SQ.YD. & 240 GAL./TON
650B		AGGREGATE FOR SURFACE TREATMENT	44 LBS./SQ. YD.
650A	SECOND APPLICATION	BITUMINOUS MATERIAL SURFACE TREATMENT	.605 GAL./ SQ. YD. 240 GAL./TON
650B		AGGREGATE FOR SURFACE TREATMENT	25 LBS./SQ. YD.

ITEM 650c SHALL HAVE THE SAME FACTORS AS THE FIRST & SECOND APPLICATIONS.

**NOTE:**

PRIOR TO BEGINNING WORK AT THE EAST APRON, CONTRACTOR SHALL PROVIDE A TEMPORARY AIRCRAFT STORAGE AREA BY CLEARING, GRUBBING, REGRADEING, AND ADDING APPROX. 6" OF CRUSHED AGGREGATE TO LOT-1, AND ADJACENT AREA, AS SHOWN. REGRADEING AND SURFACING SHALL MEET ENGINEER APPROVAL.



**TEMPORARY APRON SPACE**  
SCALE 1" = 30'



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 S. E. REGION DESIGN & CONSTRUCTION

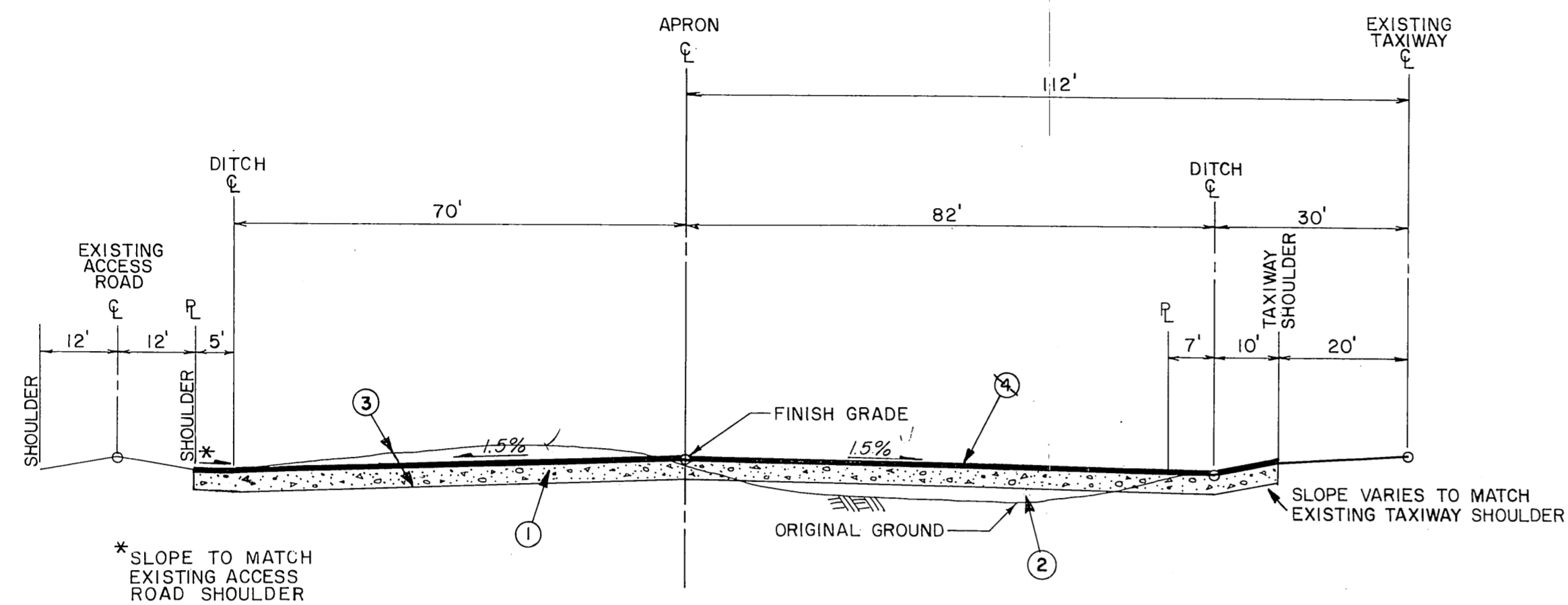
HAINES AIRPORT IMPROVEMENTS  
 PROJECT NO. 69266  
 A.I.P. NO. 3-02-0112-02  
 SITE & BOUNDARY PLANS,  
 & DETAILS

APPROVED BY: <i>Wallace K. Williams</i> WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN		APPROVED BY: <i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"	
SCALE: AS SHOWN	DESIGNED: _____	DRAWN: _____	SHEET 3 OF 11
BY: _____	DATE: _____	CHECKED: _____	DATE: _____

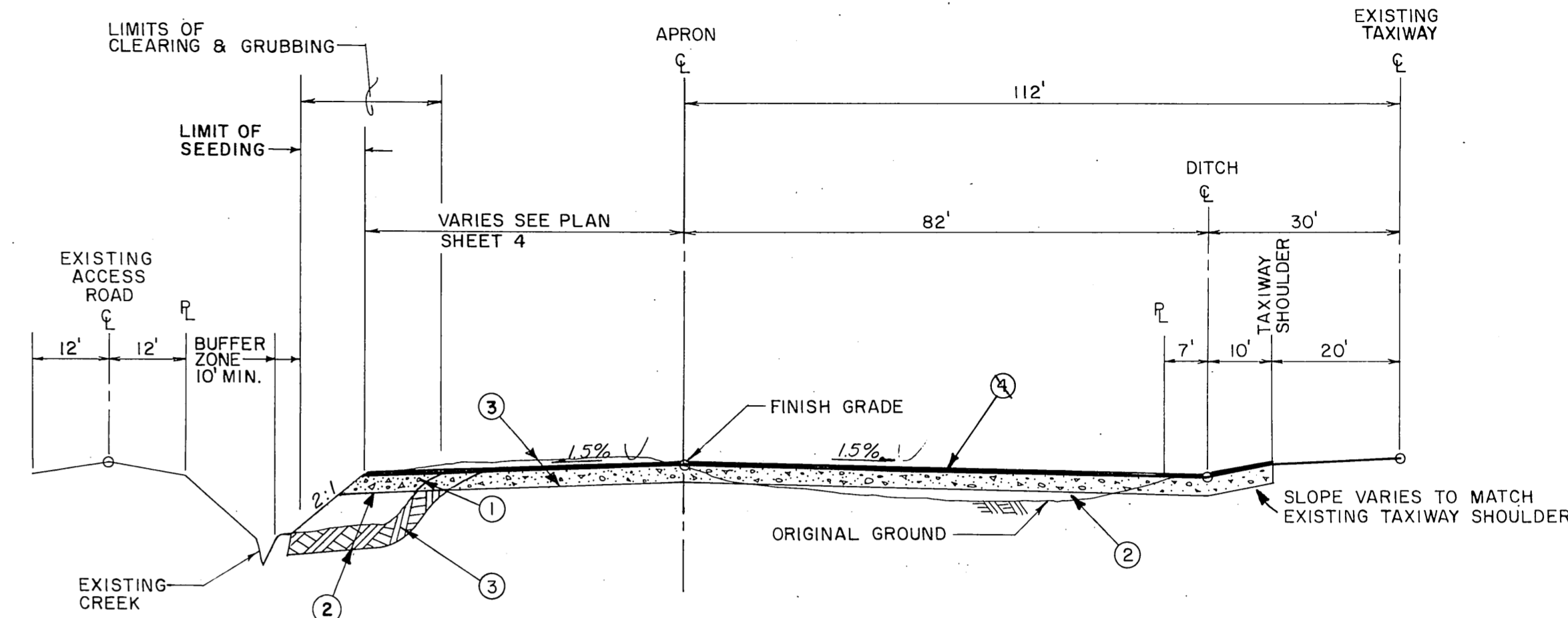
**REVISIONS**

NO.	DATE	CHANGE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA				

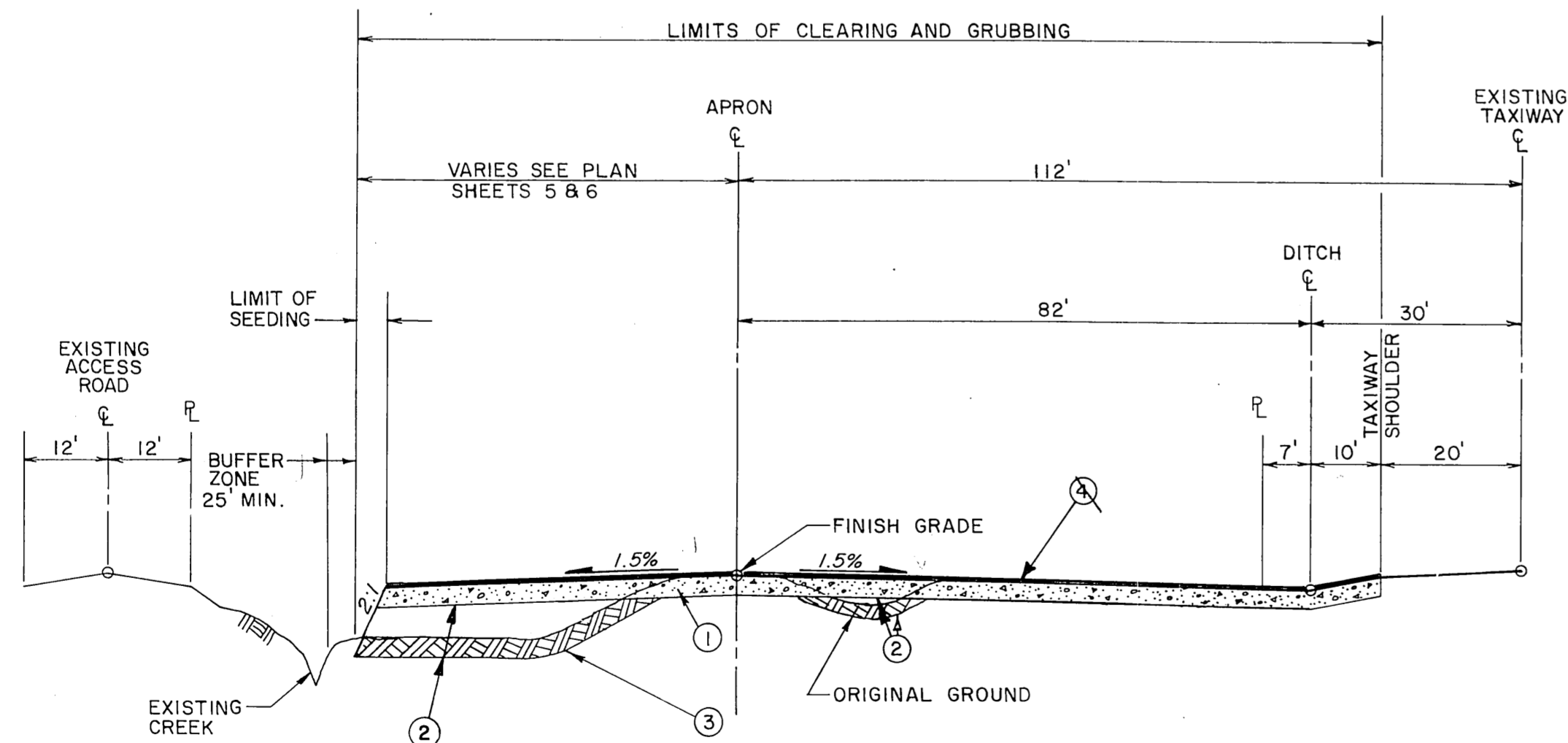


TYPICAL SECTION  
**STA. 5+08 to STA. 6+48**  
 EXISTING APRON EXPANSION



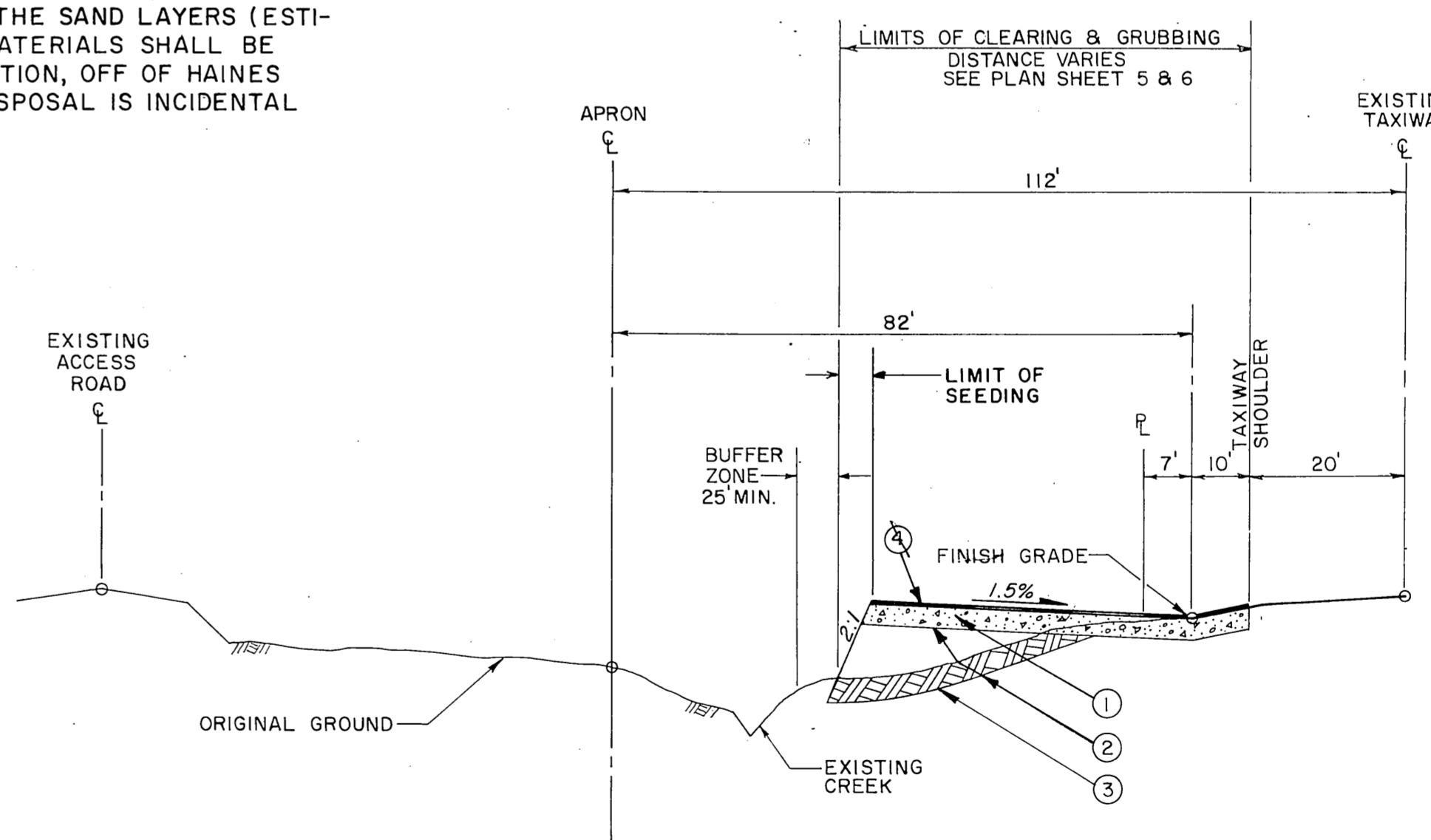
TYPICAL SECTION  
**STA. 6+48 to STA. 8+18**  
 EXISTING APRON EXPANSION

**NOTE**  
 REMOVAL AND/OR DISPOSAL OF ALL WASTE MATERIAL THAT IS UNSUITABLE EMBANKMENT, AS PER SECTION 330, OR AS DIRECTED BY THE ENGINEER. SILTS WITH MORE THAN 6% PASSING THE 200 SIEVE SHALL BE REMOVED THAT IS WITHIN 1 FT. OF FINISHED GRADE. UNCLASSIFIED EXCAVATION IN AREAS WHERE CLEARING & GRUBBING WILL ALSO OCCUR, SHALL BE AT A MINIMUM TAKEN TO THE TOP OF THE SAND LAYERS (ESTIMATED GROUND 1 FOOT IN DEPTH). MATERIALS SHALL BE DISPOSED OF AT CONTRACTORS DISCRETION, OFF OF HAINES AIRPORT PROPERTY. PAYMENT FOR DISPOSAL IS INCIDENTAL TO ITEM 330A.

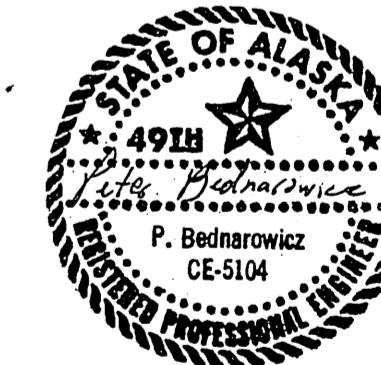


TYPICAL SECTION  
**STA. 8+18 to STA. 9+88**  
 NEW APRON EXPANSION

- ① CRUSHED AGG. BASE COURSE.(6" MIN.)
- ② BORROW EMBANKMENT.
- ③ UNCLASSIFIED EXCAVATION.(SEE NOTE)
- ④ NEW 2-COURSE-BITUMINOUS SURFACE-TREATMENT.



TYPICAL SECTION  
**STA. 9+88 to STA. 11+06**  
 NEW APRON EXPANSION

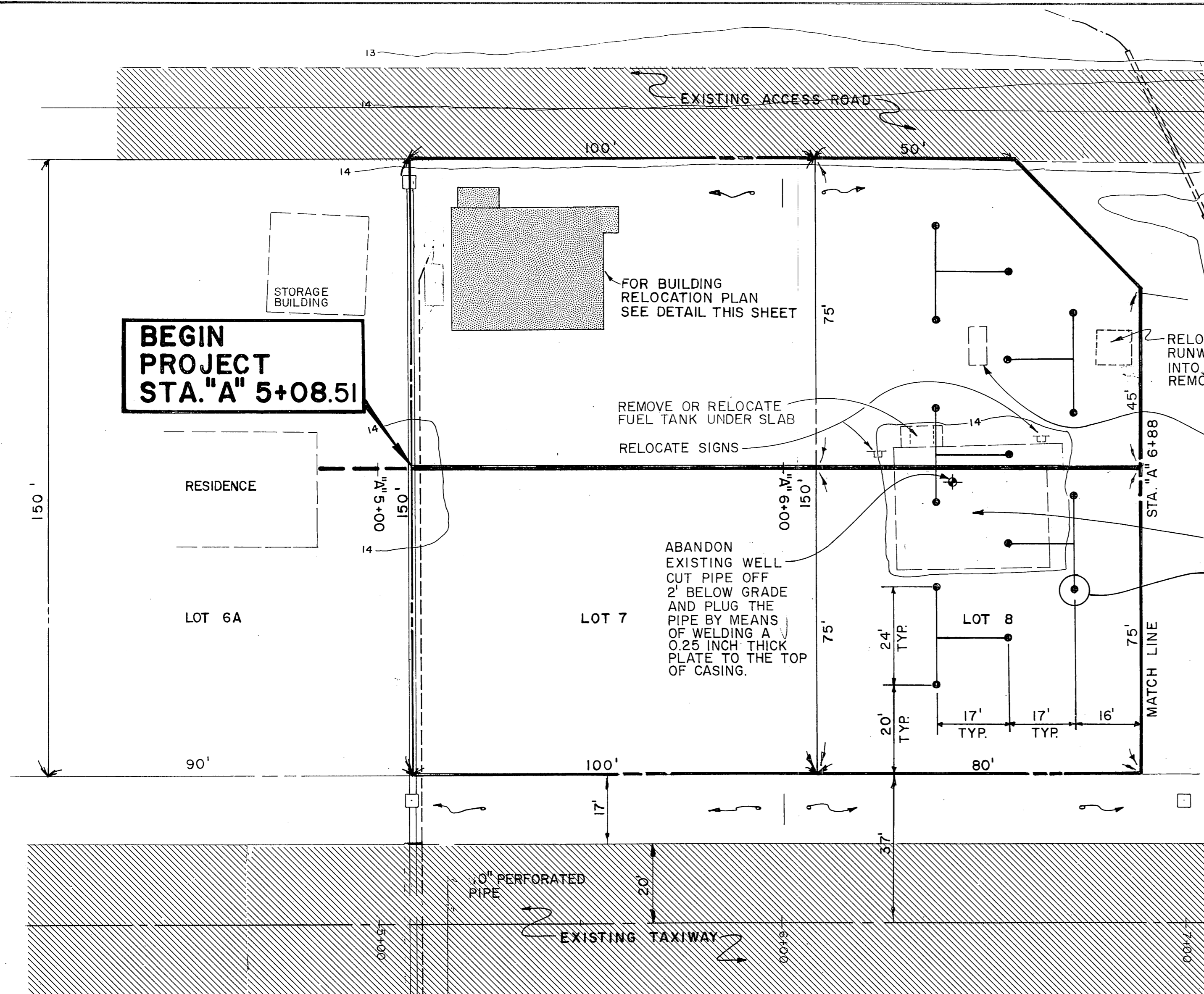


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 S.E. REGION DESIGN & CONSTRUCTION  
 HAINES AIRPORT IMPROVEMENTS  
 PROJECT NO. 69266  
 A.I.P. NO. 3-02-0112-02  
 TYPICAL SECTIONS

APPROVED BY:		APPROVED BY:		SCALE:		DESIGNED:		DRAWN:		SHEET 4 OF 11	
<i>Wallace K. Williams</i>		<i>William L. Baumgartner</i>		NO SCALE		R.K.B.		R.K.B.			
WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN		WILLIAM L. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"		CHECKED:		DATE:		DATE:			
BY		DATE		CHANGE		CHECKED:		DATE:			
				REVISIONS							

DATE	
BY	
SURVEYED	
NOTE BOOK	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	
PLAN	

DATE	
BY	
SURVEYED	
NOTE BOOK	
GRADES CHECKED	
B. M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	
PROFILE	

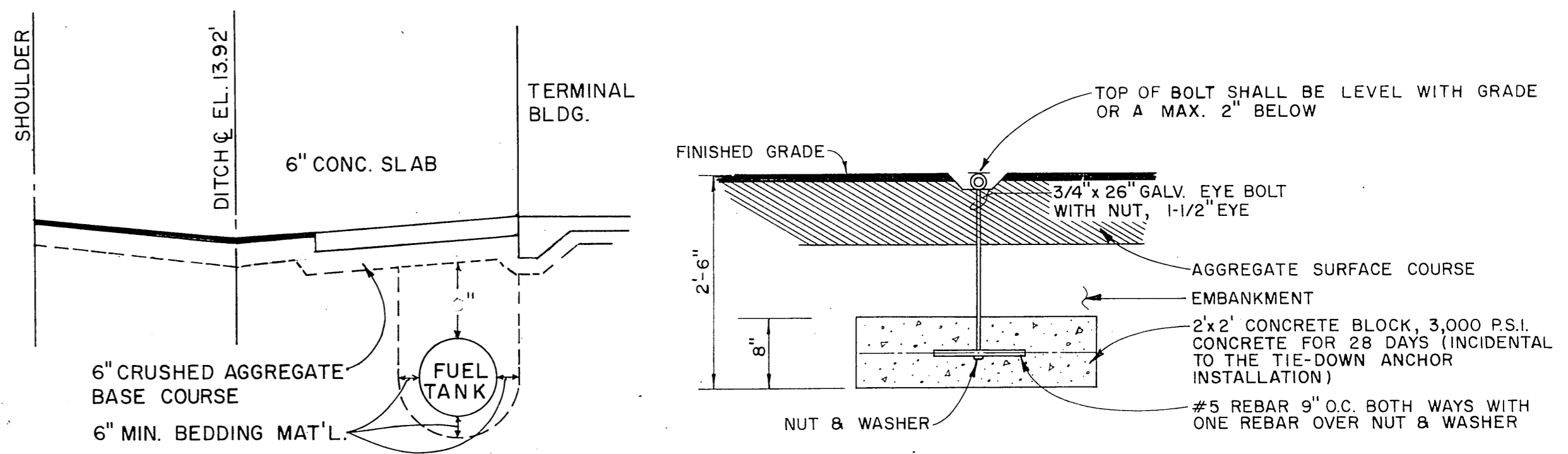
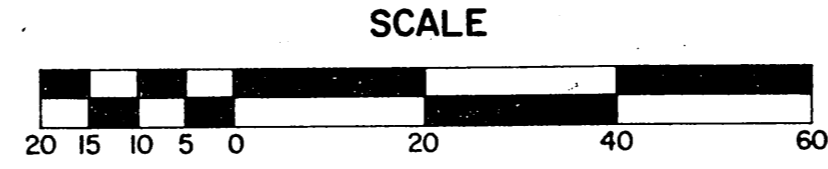


**ITEMS TO BE REMOVED**

Remove the following objects 2' below the normal plane of excavation:

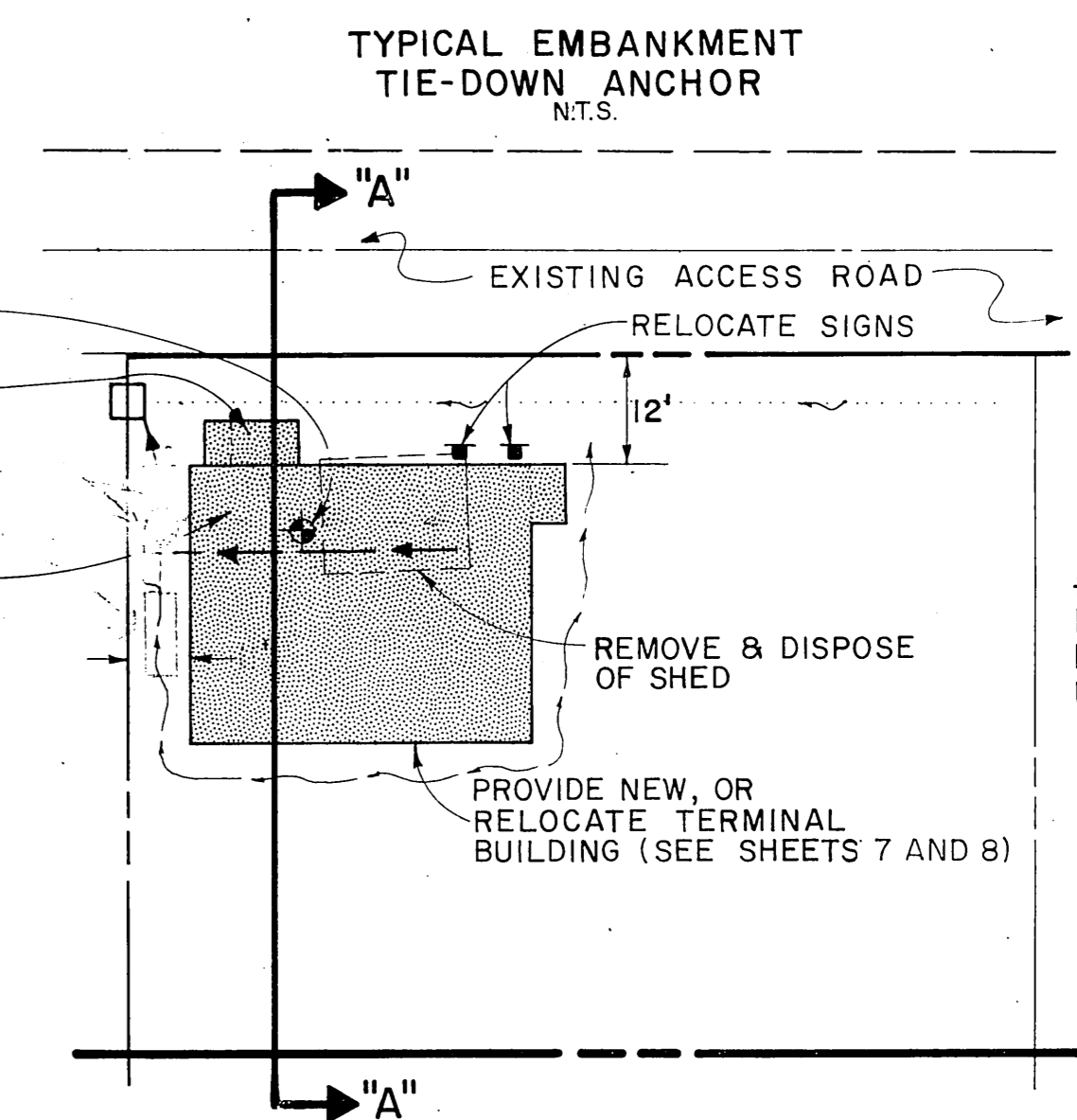
- Existing runway electrical building's slab, & conduits;
- existing terminal building's slabs, existing well, sewer pipe, & conduits;
- existing sewage treatment plant & wiring;
- existing signs & posts;
- existing junction box & post.

The following buried objects can be abandoned or removed: 1) Existing sewer pipe, 2) existing electrical & telephone conduit (see sheet 7)

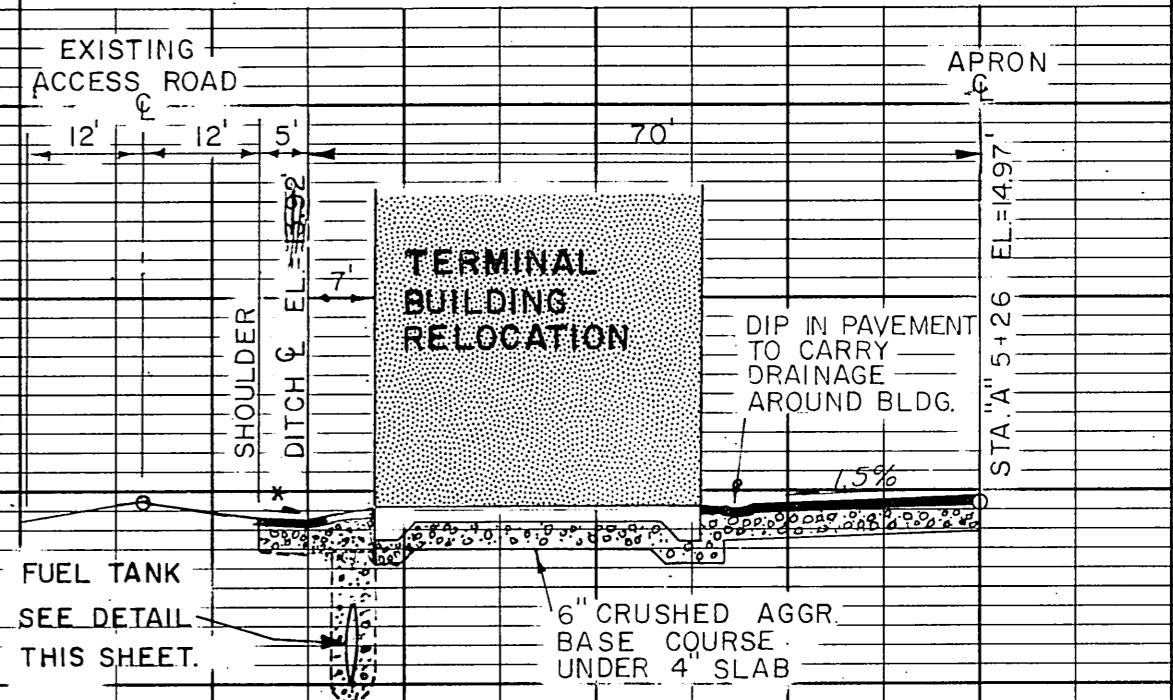


**FUEL TANK DETAIL**

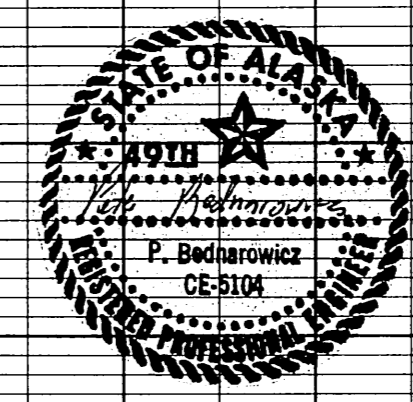
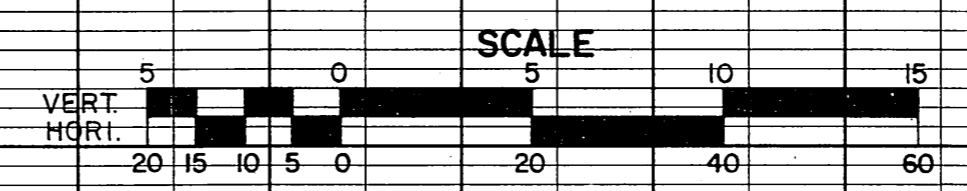
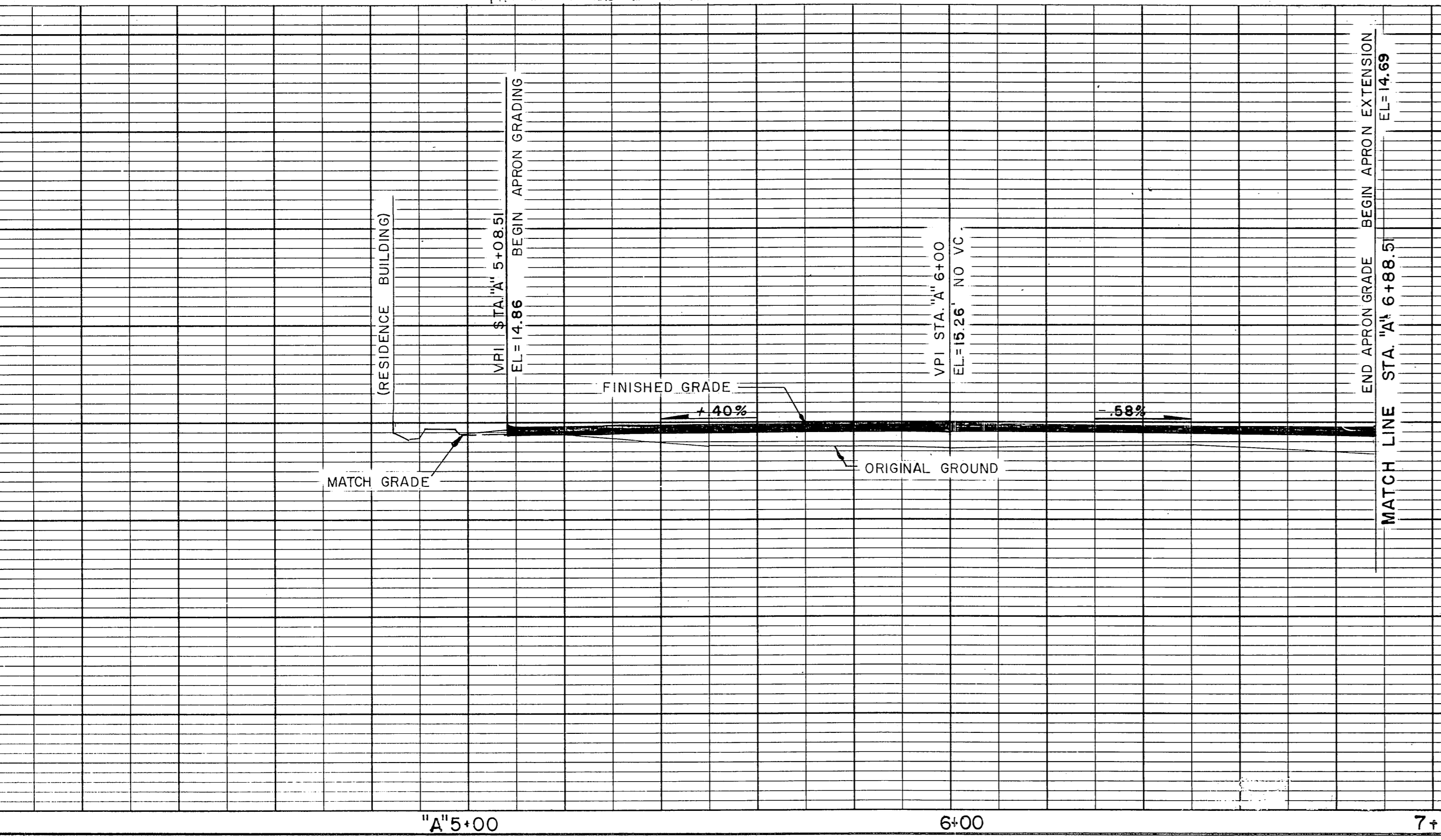
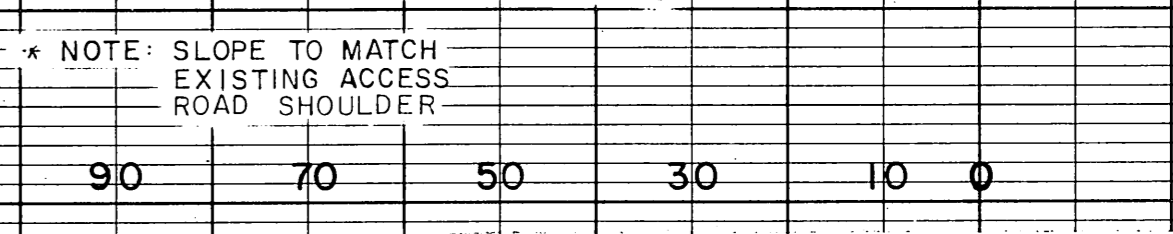
NOTE: 1. BEDDING MATERIAL SHALL BE 3" MINUS MAT'L. & NOT MORE 6% PASSING THE 200 SIEVE.  
2. CAST-IN-PLACE CONCRETE SHALL BE CLASS 3,000 B CONCRETE.



**BUILDINGS RELOCATION PLAN**



**SECTION "A-A"**



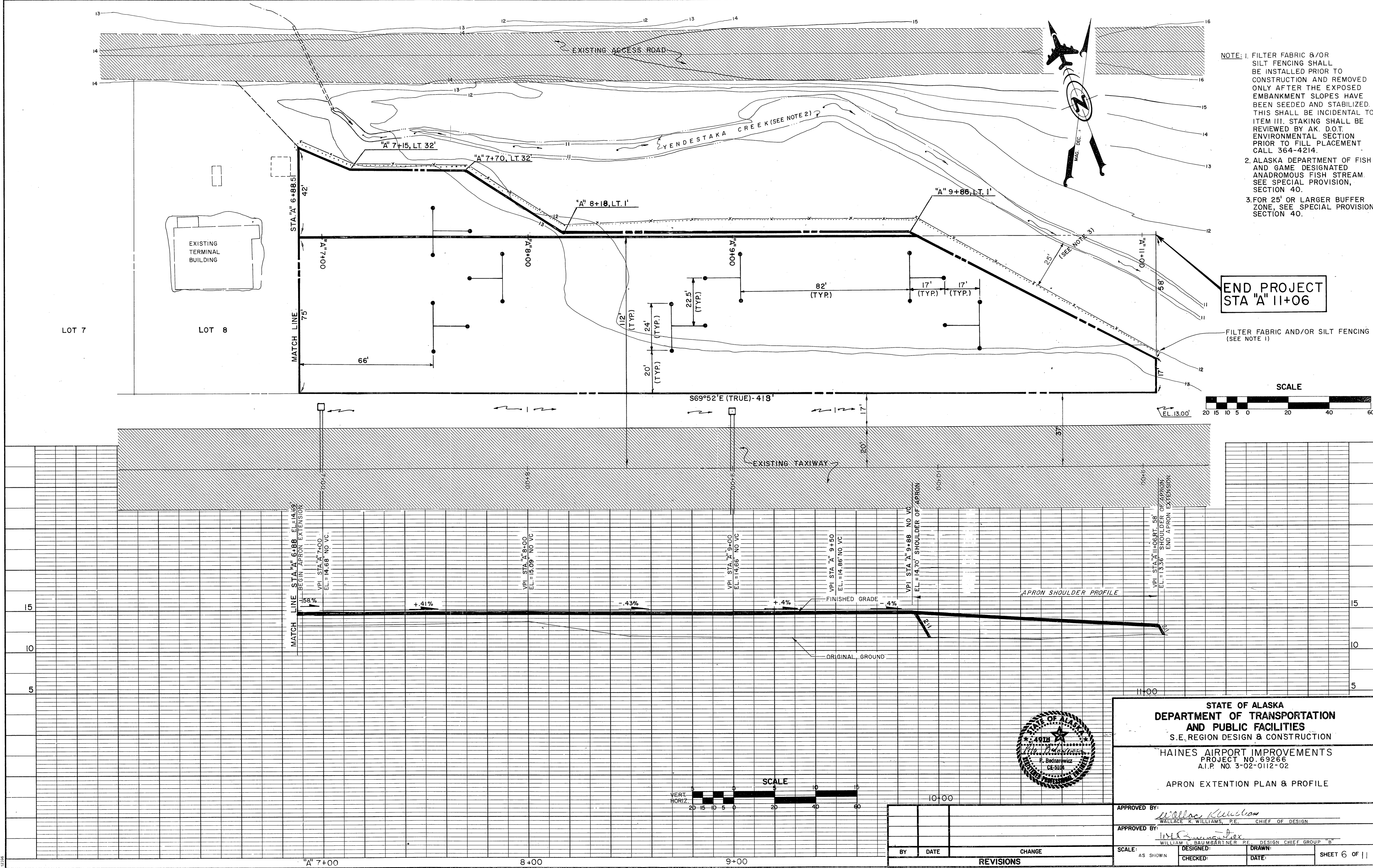
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
S.E. REGION DESIGN & CONSTRUCTION

HAINES AIRPORT IMPROVEMENTS  
PROJECT NO. 69266  
A.I.P. NO. 3-02-0112-02  
APRON PLAN, PROFILE & DETAILS

APPROVED BY:	<i>Wallace K. Williams</i> WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN
APPROVED BY:	<i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"
SCALE:	AS SHOWN
DESIGNED:	DATE:
CHECKED:	DATE:
BY:	DATE:
CHANGE:	REVISIONS:

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	NOTED	
	CHK'D	

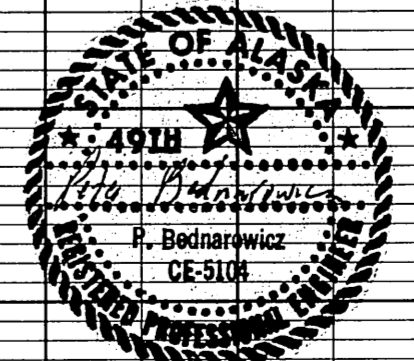
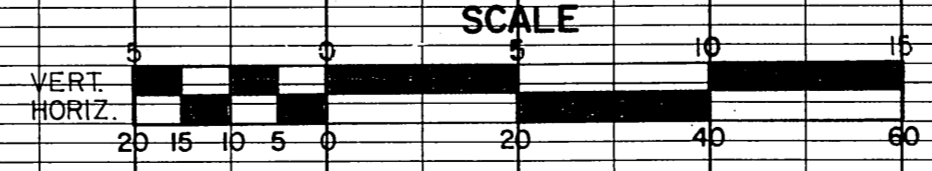
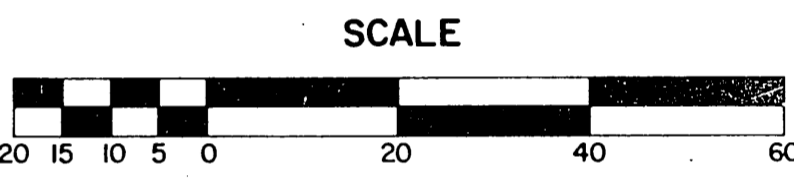
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	NOTED	
	CHK'D	



- NOTE: 1. FILTER FABRIC &/OR SILT FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND REMOVED ONLY AFTER THE EXPOSED EMBANKMENT SLOPES HAVE BEEN SEEDED AND STABILIZED. THIS SHALL BE INCIDENTAL TO ITEM III. STAKING SHALL BE REVIEWED BY AK. D.O.T. ENVIRONMENTAL SECTION PRIOR TO FILL PLACEMENT CALL 364-4214.
2. ALASKA DEPARTMENT OF FISH AND GAME DESIGNATED ANADROMOUS FISH STREAM. SEE SPECIAL PROVISION, SECTION 40.
3. FOR 25' OR LARGER BUFFER ZONE, SEE SPECIAL PROVISION, SECTION 40.

END PROJECT STA "A" 11+06

FILTER FABRIC AND/OR SILT FENCING (SEE NOTE 1)

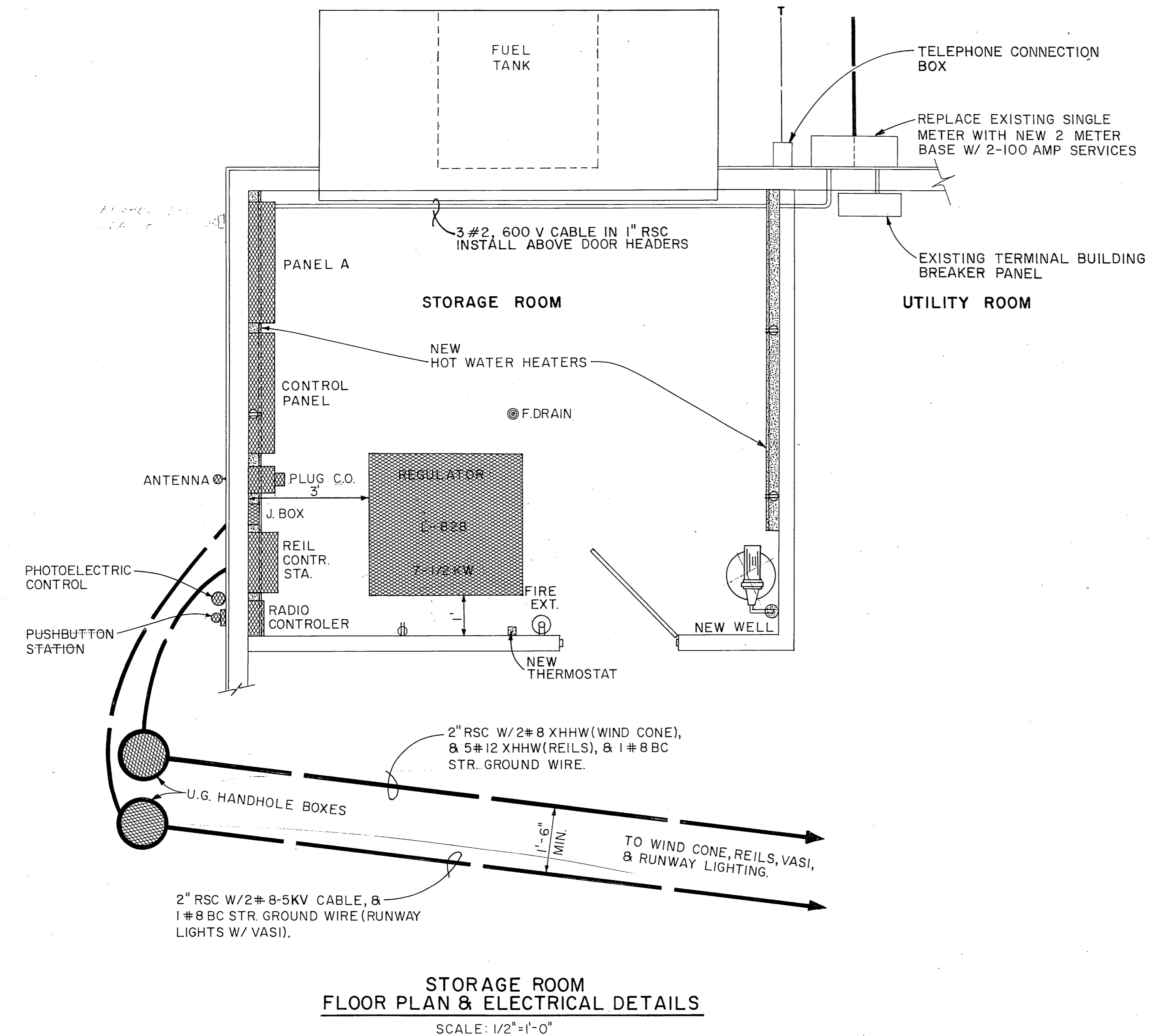


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 S.E. REGION DESIGN & CONSTRUCTION  
 HAINES AIRPORT IMPROVEMENTS  
 PROJECT NO. 69266  
 A.I.P. NO. 3-02-0112-02  
 APRON EXTENSION PLAN & PROFILE

APPROVED BY:	<i>Wallace K. Williams</i>	CHIEF OF DESIGN
APPROVED BY:	<i>William L. Baumgartner</i>	DESIGN CHIEF GROUP "B"
SCALE:	AS SHOWN	
CHECKED:		DATE:
DRAWN:		DATE:

BY	DATE	CHANGE

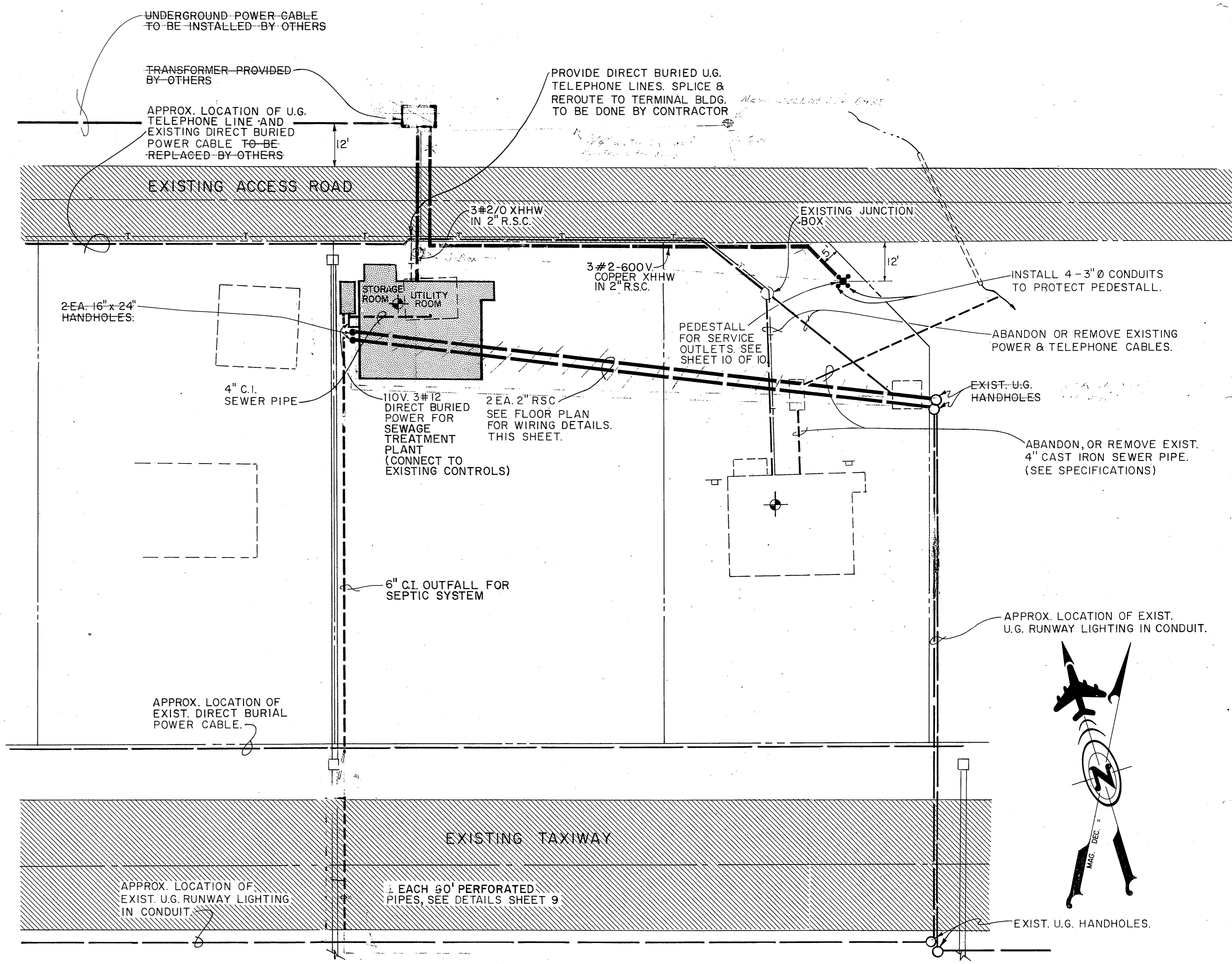
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA				



**STORAGE ROOM FLOOR PLAN & ELECTRICAL DETAILS**  
SCALE: 1/2"=1'-0"

**LEGEND**

- RUNWAY CONTROL EQUIPMENT RELOCATED INTO STORAGE ROOM OF TERMINAL BLDG.
- NEW EQUIPMENT.



**UTILITIES PLAN**  
SCALE: 1"=20'

**LEGEND**

- NEW OR RELOCATED
- EXISTING PAVEMENT



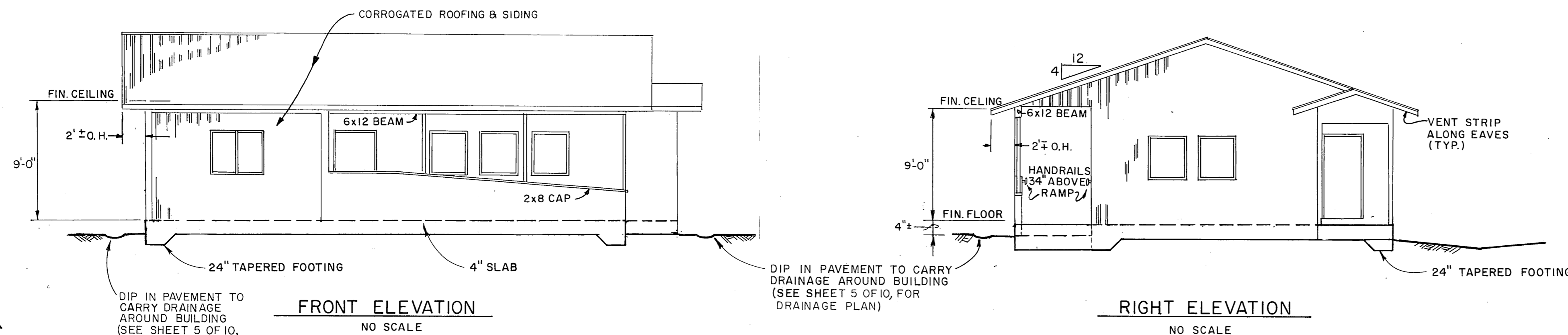
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
S.E. REGION DESIGN & CONSTRUCTION  
HAINES AIRPORT IMPROVEMENTS  
PROJECT NO. 69266  
A.I.P. NO. 3-02-0112-02  
ELECTRICAL DETAILS & UTILITIES RELOCATION PLAN

BY	DATE	CHANGE

**REVISIONS**

APPROVED BY:	<i>William L. Baumgartner</i> 3/6/87 WILLIAM L. BAUMGARTNER, P.E. CHIEF OF DESIGN
APPROVED BY:	<i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"
SCALE:	AS SHOWN
DESIGNED:	CMD
DRAWN:	
CHECKED:	
DATE:	3/13/87
SHEET 7 OF 11	





FRONT ELEVATION  
NO SCALE

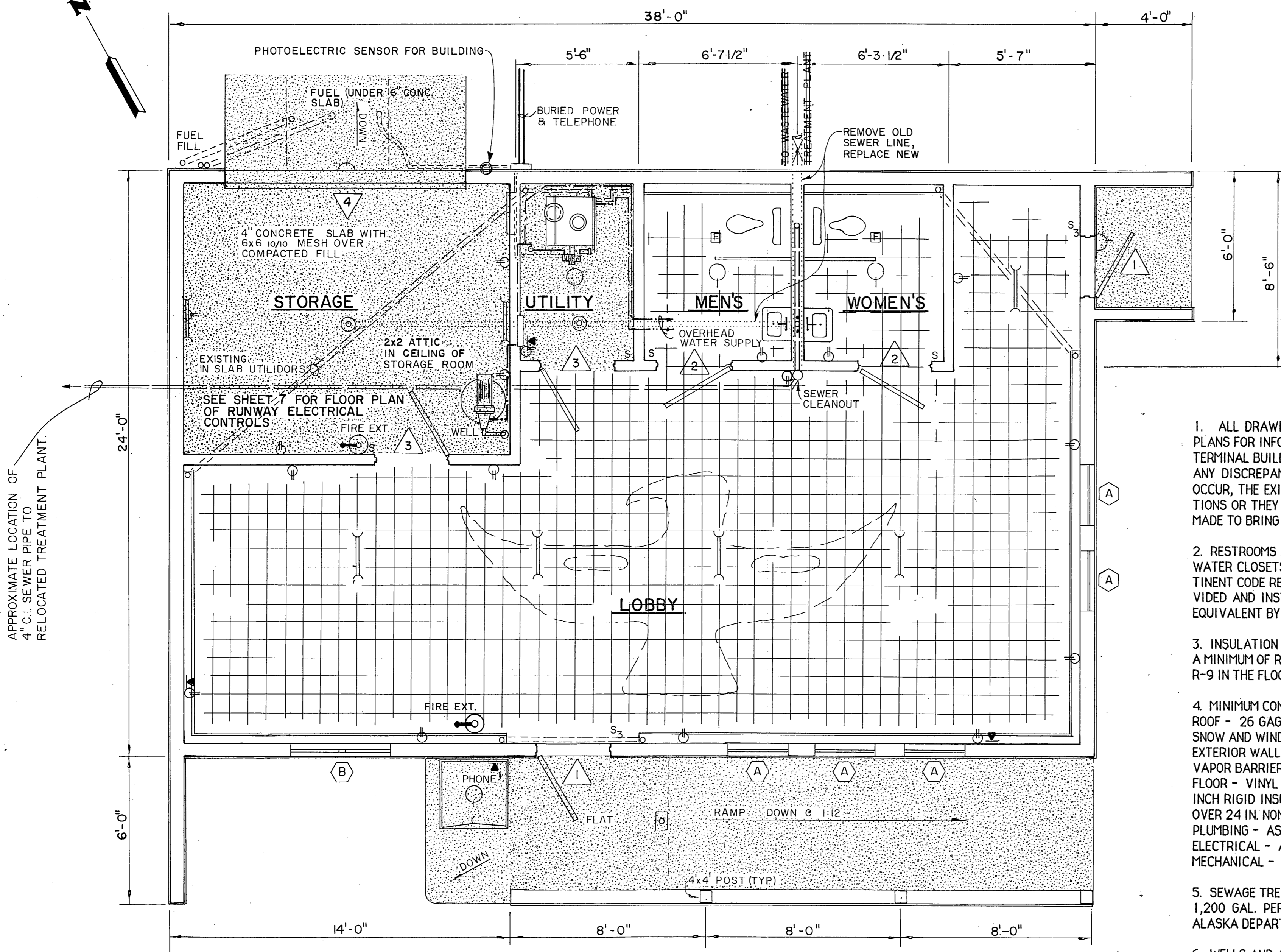
RIGHT ELEVATION  
NO SCALE

ROOM SCHEDULE						
ROOM	SIZE	WALLS	FLOOR	CEILING	HEIGHT	REMARKS
STORAGE	13'6"X11'	"A"	CONCR. SLAB	"A"	10'+	
WAITING	23'X15'6" & 14'X11'	"A"- "B"	VINYL	"A"- "D"	9'	
MECHANICAL	5'X7'6"	"A"	CONCR. SLAB	"A"	9'	
RESTROOMS	6'X7'6"	"A"- "C"	VINYL	"A"- "D"	9'	HANDICAPPED

FINISHES:  
 "A" 5/8 IN. GYPSUM BOARD, TAPED AND SANDED.  
 "B" 4 FT. HIGH WAINSCOTING OF PLASTIC COATED HARDBOARD.  
 "C" FULL HEIGHT PLASTIC COATED HARDBOARD.  
 "D" ARMSTRONG ACUSTICAL TILE.

DOOR AND WINDOW SCHEDULE				
SYM.	SIZE	DESCRIPTION	FINISH	LOCKS
1	3'X6'8"	1-3/8" THICK. FLUSH.	STEEL CLAD	MORTISE LOCK*
2	3'X6'8"	1-3/8" THICK. FLUSH.	STEEL CLAD	CYL. LOCK. LT. DUTY
3	3'X6'8"	1-3/8" THICK. FLUSH.	STEEL CLAD	CYL. LOCK. LT. DUTY
4	10'X8'	OVERHEAD TRACK. GALV. STEEL. INSULATED.	ENAMEL	5 PIN BOLT TYPE
A	30X32	FIXED DOUBLE GLAZE.	VINYL COATED	NONE
B	49X32	SLIDING DOUBLE GLAZE WITH STORM PANEL.	VINYL COATED	SASH LOCK

\* LOCK MUST BE OPENABLE FROM INSIDE WITHOUT A KEY.



FLOOR PLAN  
NO SCALE

NOTES

- ALL DRAWINGS, SCHEDULES, MATERIALS AND NOTES SHOWN BELOW ARE TAKEN FROM AS-BUILT PLANS FOR INFORMATION TO THE CONTRACTOR. THE CONTRACTOR SHALL RE-BUILD OR RELOCATE THE TERMINAL BUILDING AS SIMILAR AND STRUCTURALLY SOUND AS THE EXISTING TERMINAL BUILDING. IF ANY DISCREPANCIES BETWEEN THESE PLANS AND EXISTING FIELD TERMINAL BUILDING CONDITIONS OCCUR, THE EXISTING FIELD CONDITIONS SHALL PREVAIL, UNLESS NOTED BELOW, IN THE SPECIFICATIONS OR THEY DO NOT MEET APPLICABLE CODES. AN ADJUSTMENT BY CHANGE DOCUMENT WILL BE MADE TO BRING THE STRUCTURE TO CODE, IF REQUIRED.
- RESTROOMS AND HANDICAPPED FACILITIES: WATER CLOSETS, LAVATORIES, RAMP AND OTHER ACCESSORIES ARE TO BE ACCORDING TO THE PERTINENT CODE REQUIREMENTS FOR PUBLIC FACILITIES FOR THE HANDICAPPED. SIGNS ARE TO BE PROVIDED AND INSTALLED AS REQUIRED BY LAW. MATERIALS USED SHALL BE EXISTING OR APPROVED EQUIVALENT BY THE ENGINEER. THE WATER CLOSETS SHALL BE REPLACED NEW.
- INSULATION (FOR ANY NEW CONSTRUCTION): A MINIMUM OF R-19 IN ALL PERIMETER WALLS, A MINIMUM OF R-38 IN THE CEILING, AND A MINIMUM OF R-9 IN THE FLOOR.
- MINIMUM CONSTRUCTION (FOR ANY NEW CONSTRUCTION):  
 ROOF - 26 GAGE STEEL OVER 30 LB. FELT, OVER 1/2 IN. EXTERIOR SHEATHING. DESIGN LOADING FOR SNOW AND WIND SHALL BE EQUAL OR BETTER THAN EXISTING LOADING.  
 EXTERIOR WALLS - 24 GAGE STEEL OVER 15 LB. FELT, OVER 1/2 IN. EXTERIOR SHEATHING.  
 VAPOR BARRIER - 4 MIL. BEHIND INTERNAL GYPSUM BOARD FOR ENTIRE PERIMETER AND CEILING.  
 FLOOR - VINYL OVER 4 IN. CONCRETE WITH 6 X 6 10/10 MESH AND NO. 4 BARS AT 24 IN. O.C. OVER 2 INCH RIGID INSULATION OVER 4 MIL. VAPOR BARRIER OVER 6 IN. CRUSHED AGGREGATE BASE COURSE OVER 24 IN. NON FROST SUSEPTABLE MATERIAL (NO MORE THAN 6% PASSING THE NO. 200 SIEVE).  
 PLUMBING - AS PER UNIFORM PLUMBING CODE. ABS OR PVC WILL NOT BE ALLOWED.  
 ELECTRICAL - AS PER NATIONAL ELECTRICAL CODE.  
 MECHANICAL - AS PER UNIFORM MECHANICAL CODE.
- SEWAGE TREATMENT PLANT (RELOCATE): 1,200 GAL. PER DAY CAPACITY MINIMUM JET AERATION SYSTEM SECONDARY PLANT. MUST MEET ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION "WATER QUALITY STANDARDS".
- WELLS AND APPURTENANCES: PUMP AND PRESSURE TANK TO PROVIDE A MINIMUM OF 5 GPM. WELL TO PROVIDE NONPOTABLE WATER ONLY. MAY REQUIRE CHLORINATION FOR LAVATORY USES. WATER SYSTEM IS TO MEET ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION "DRINKING WATER REGULATIONS, 18 AAC 80".
- A SIGN WARNING AGAINST DRINKING THE WATER IS TO BE PLACED IN A CONSPICUOUS PLACE ABOVE EACH LAVATORY. CONTRACTOR IS TO PROVIDE BOTTLED WATER AND A DISPENSER IN THE WAITING ROOM.
- A SMOKE DETECTOR WILL BE PROVIDED IN THE LOBBY, STORAGE ROOM AND UTILITY ROOM.

- ALL UTILITIES THAT INTERFERE WITH THE RELOCATION ALTERNATIVE SHALL BE CUT AND REPLACED NEW.
- ALL FOUNDATION MATERIAL AND UTILITIES REMAINING AFTER THE TERMINAL IS RELOCATED THAT IS WITHIN 2 FEET VERTICALLY OF THE FINAL GRADE OF THE APRON SHALL BE REMOVED AND DISPOSED OF OFF AIRPORT PROPERTY.
- BASED UPON INFORMATION RECEIVED FROM PERSONNEL THAT BUILT THE TERMINAL, THE FOUNDATION WAS CONSTRUCTED IN A MONOLITHIC POUR WITH APPROX. 24 IN. DEEP FOOTINGS AT 16 IN. WIDE TIED INTO THE INTERIOR SLAB WITH NO. 4 BARS. THE RAMP, ENTRANCE AND OTHER SLABS WERE POURED SEPARATELY. FURTHER INFORMATION FROM PERSONNEL REVEALS THAT THE MIX DESIGN FOR THE CONCRETE WAS VERY POOR, AND THE SLAB WOULD NOT STAND ANY MOVEMENT. THE DEPARTMENT RECOMMENDS REPLACING THE EXISTING CONCRETE SLAB AND FOOTINGS NEW. IF THE CONTRACTOR CHOOSES TO USE THE EXISTING SLAB, THE DEPARTMENT WILL NOT BE RESPONSIBLE FOR THE CONDITION OF THE SLAB. ANY CRACKS, OR DAMAGE TO THE SLAB OR BUILDING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE LIKE NEW AT NO ADDED COST TO THE STATE.
- IF THE CONTRACTOR DECIDES TO BUILD A NEW TERMINAL BUILDING HE SHALL SUBMIT PLANS AND SHOP DRAWINGS SEALED BY AND ARCHITECT FOR REVIEW AND APPROVAL. THE ORIGINAL CITY PLANS WERE USED.
- ALL EXISTING SIGNS AND ELECTRICAL ITEMS NOT CALLED OUT THAT ARE ON OR IN THE TERMINAL BUILDING SHALL BE MOVED WITH THE TERMINAL OR REPLACED WITH AN APPROVED EQUIVALENT.
- CONTRACTOR SHALL PROVIDE TWO (2) FIRE EXTINGUISHERS. THEY SHALL BE DRY CHEMICAL TYPE, 5 LB. CAPACITY AND MULTI-PURPOSE.
- THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE BUILDING LIKE NEW, IF HE RELOCATES IT. ALL BROKEN OR CRACKED UTILITIES, TILES, SHEETROCK, SIDING, ECT. SHALL BE REPLACED, SHALL BE COMPATIBLE AND SHALL LOOK LIKE EXISTING FINISHES.



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 S.E. REGION DESIGN & CONSTRUCTION

HAINES AIRPORT IMPROVEMENTS  
 PROJECT NO. 69266  
 A.I.P. NO. 3-02-0112-02  
 TERMINAL BUILDING

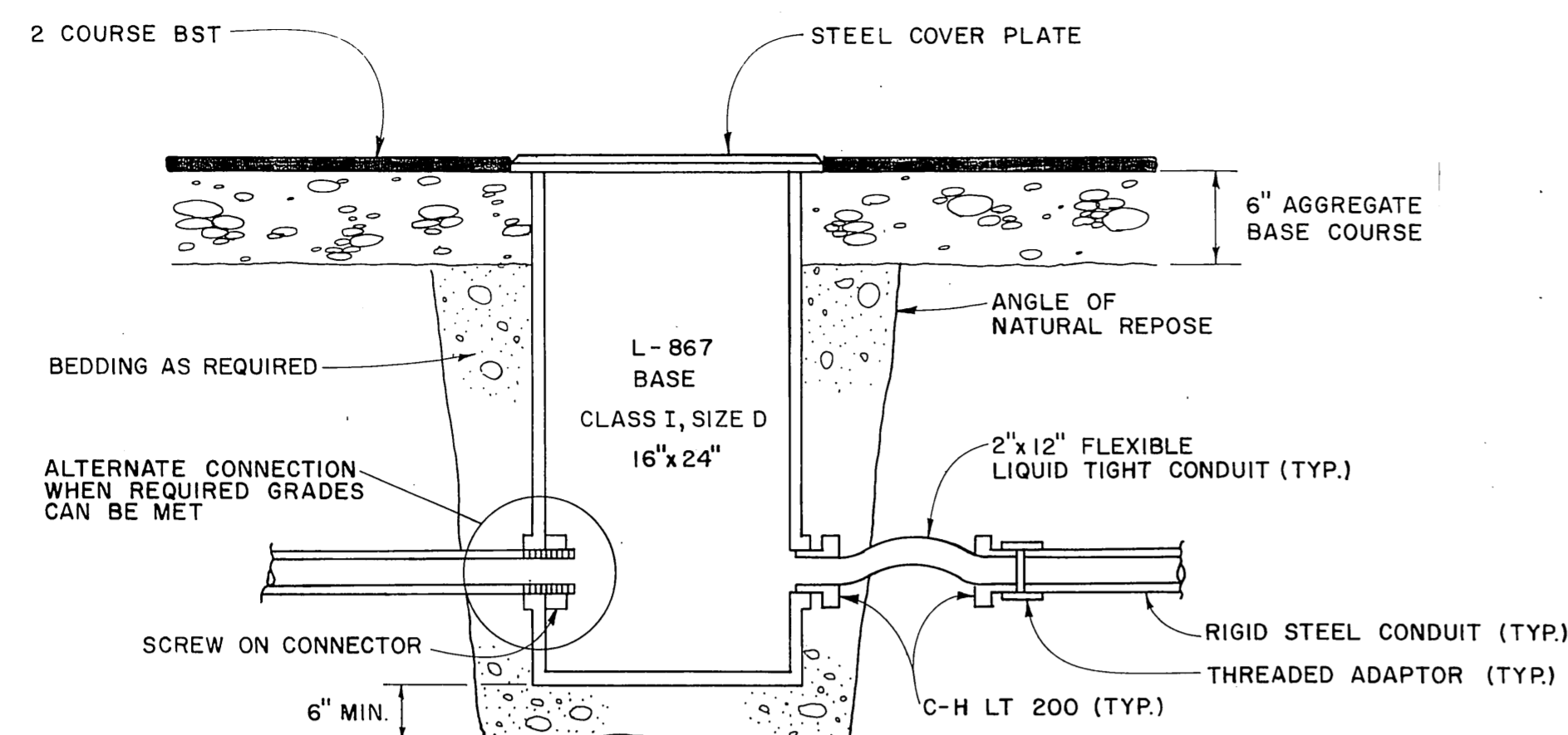
APPROVED BY: *Wallace K. Williams*  
 WALLACE K. WILLIAMS P.E., CHIEF OF DESIGN

APPROVED BY: *William L. Baumgartner*  
 WILLIAM L. BAUMGARTNER, P.E., DESIGN CHIEF GROUP "B"

SCALE: AS SHOWN    DESIGNED:    DRAWN:    SHEET 8 OF 11  
 CHECKED:    DATE:

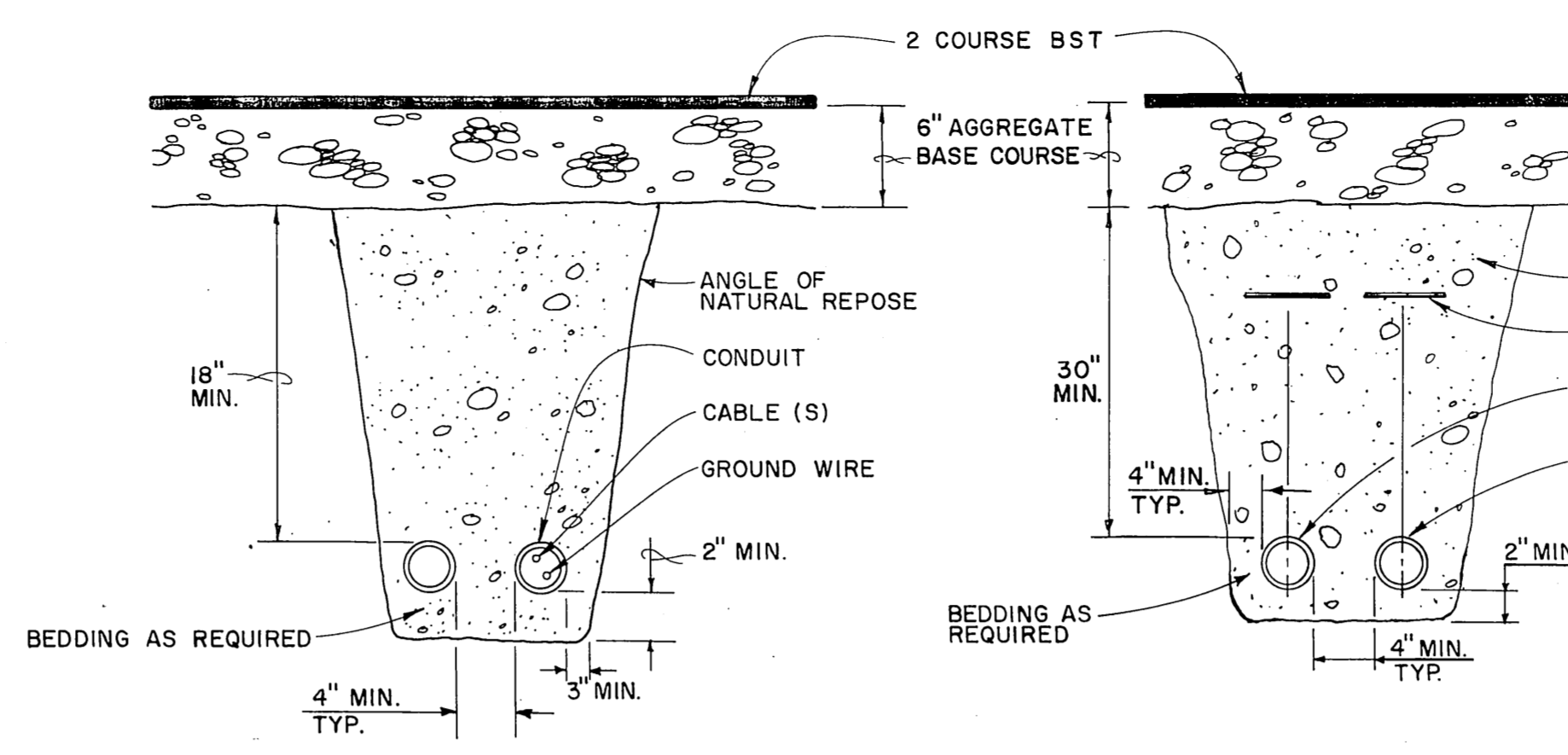


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA				

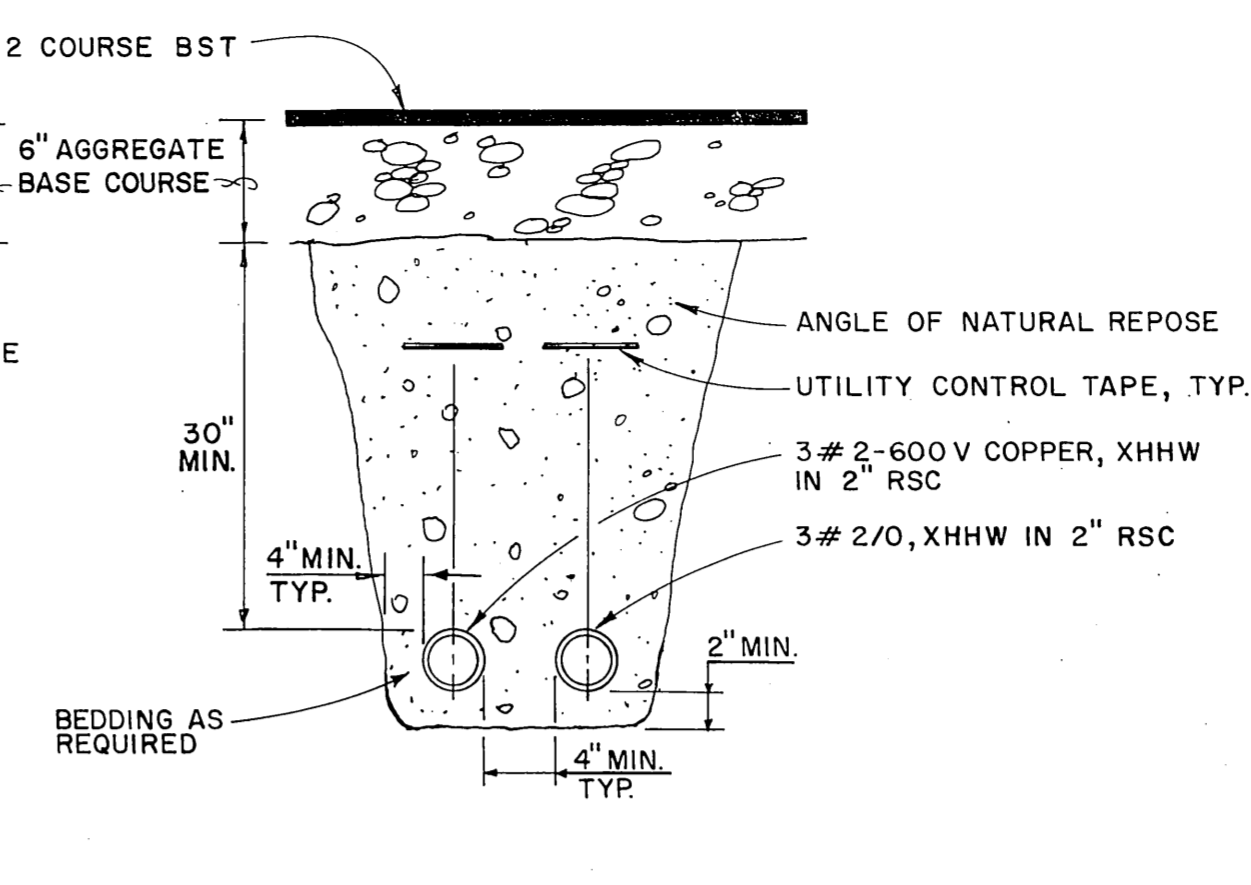


**DETAIL HANDHOLE**  
N.T.S.

NOTE: USE ELASTIMOLD CONNECTORS STYLE 83 TO RECONNECT WIRING

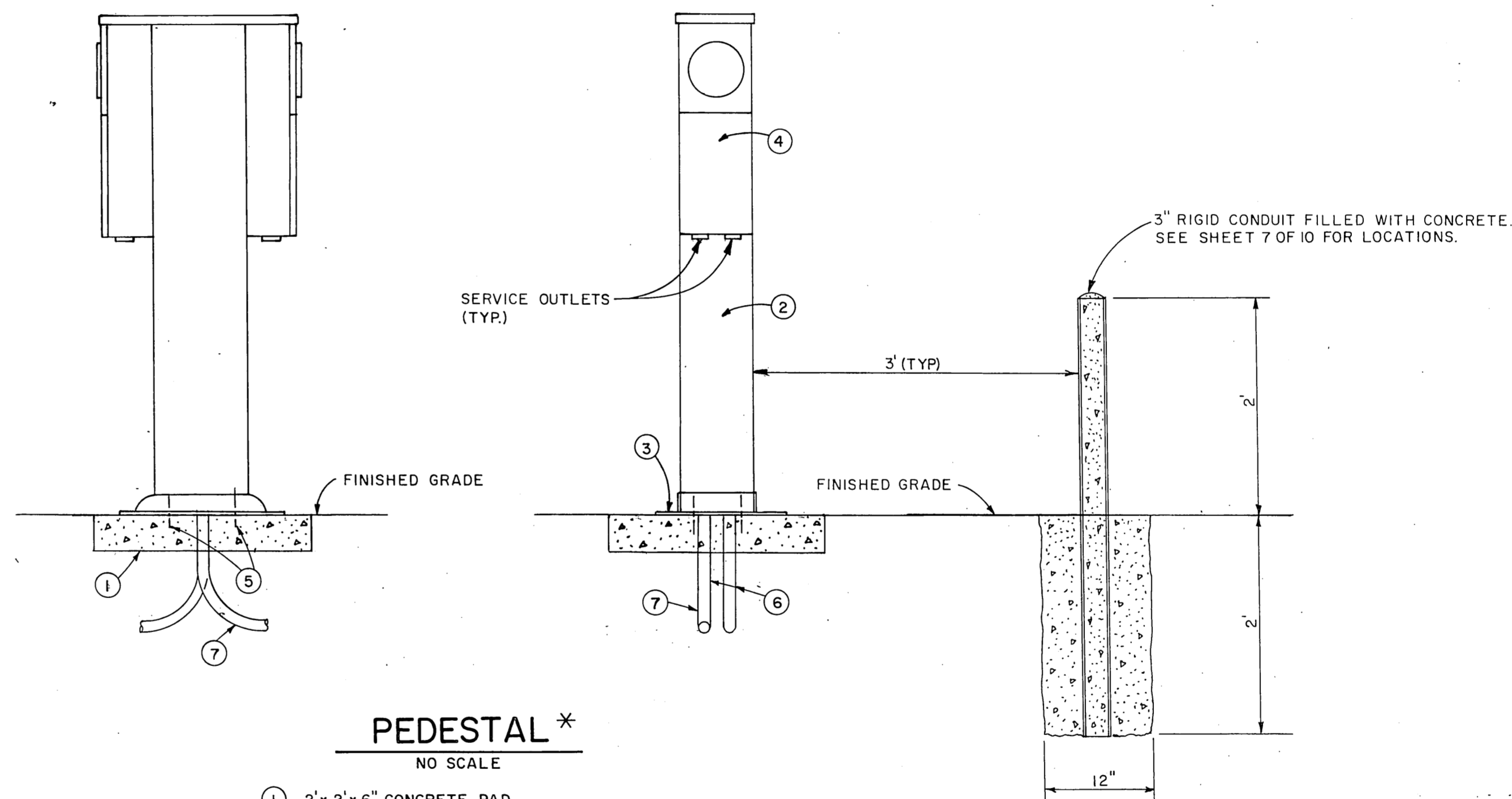


**DETAIL U.G. CONDUITS, RUNWAY LIGHTING**  
N.T.S.



**DETAIL U.G. POWER CONDUIT**  
N.T.S.

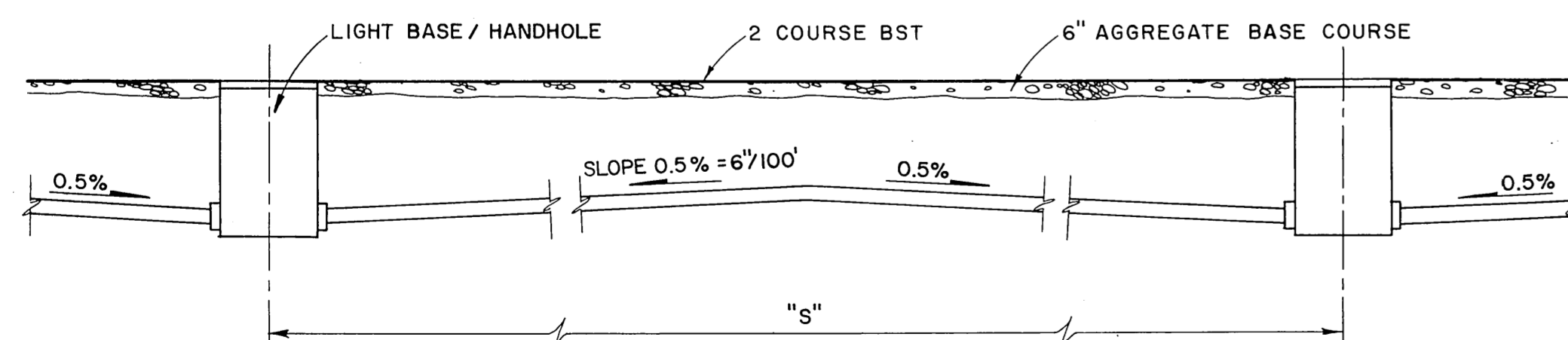
**NOTE, U.G. POWER CONDUIT DETAIL**  
WHEN CROSSING THE EXISTING ROADWAY PRISM, PROVIDE A PAVEMENT PATCH AS DETAILED ON SHEET 9, UNDER "PIPE BEDDING DETAIL"; WITH THE PAVEMENT SAW-CUT EXTENDING 6" BEYOND THE NATURAL ANGLE OF REPOSE OF THE DITCH.



**PEDESTAL\***  
NO SCALE

- ① 2' x 2' x 6" CONCRETE PAD.
- ② 8" x 10" PEDESTAL. \*\*
- ③ PEDESTAL BASE. \*\*
- ④ POWER HEAD W/METER BASE, CIRCUIT BREAKER, & RECEPTACLE. \*\*
- ⑤ MOUNT W/ 3/4" GALV. BOLTS & WASHERS.
- ⑥ 2" RIGID STEEL CONDUIT W/ 90° ELBOW.
- ⑦ ONE CONDUIT CAPPED FOR FUTURE USE. APPROX. 3' LONG.

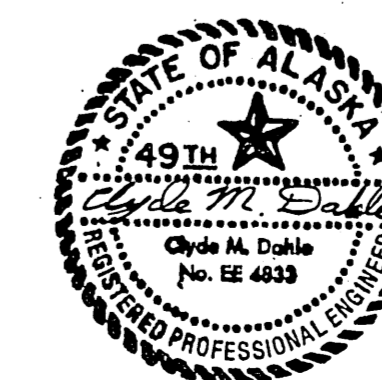
\* SEE SECTION 1000 IN SPECIAL PROVISIONS.  
\*\* MARINE GRADE ALUMINUM AS SPECIFIED IN THE SPECIAL PROVISIONS.



**DETAIL CONDUIT INSTALLATION**

IF "S" IS LESS THAN 20 FEET, OR IF 0.5% SLOPE CAN BE MAINTAINED WITHOUT CROWN, LAY CONDUIT STRAIGHT BETWEEN BASES / HANDHOLES.

N.T.S.



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

HAINES AIRPORT IMPROVEMENTS  
PROJECT NO. 69266  
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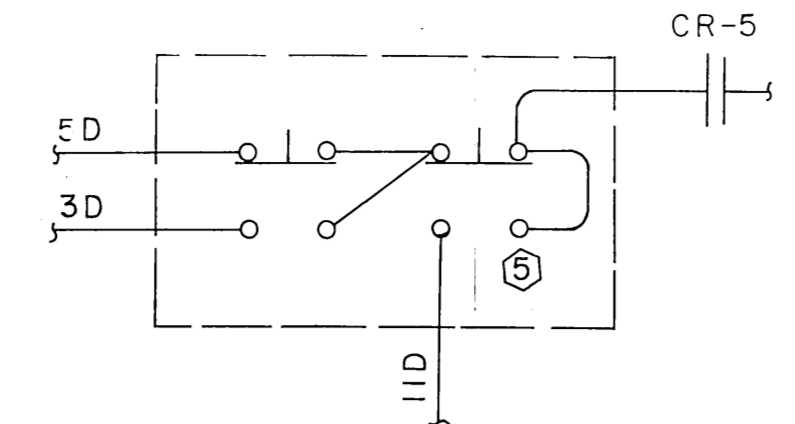
ELECTRICAL DETAILS

APPROVED BY: *Wallace K. Williams* 3/6/87  
WALLACE K. WILLIAMS, P.E., CHIEF OF DESIGN

APPROVED BY: *William L. Braumgartner*  
WILLIAM L. BRAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"

SCALE: DESIGNED: DRAWN: CHECKED: *CMD* DATE: 3/13/87 SHEET 10 OF 11

- ① CONTROL RELAY, 3PDT, GE NO. CR120HC47W02
- ② CONTACTOR, GE NO. CR205K002
- ③ TIMING RELAY, GE NO. CR122E1046C02 OR CR122E1086C02
- ④ SWITCH, SPDT, GE NO. CR2940UB202A
- ⑤ SWITCH, 3-POSITION, GE NO. CR2940UB203C
- ⑥ PUSH-BUTTON STATION, "ON", MOMENTARY CONTACT, WATER-DUST TIGHT, NEMA TYPE 4, GE NO. CR2943AJ201B
- ⑦ TERMINAL STRIP, 20A., 12-POINT, GE NO. CR15ID2012
- ⑧ PHOTOELECTRIC CONTROL, TORK NO. 2100



DETAIL-MANUAL BRIGHTNESS CONTROL SWITCH (3-POSITION)

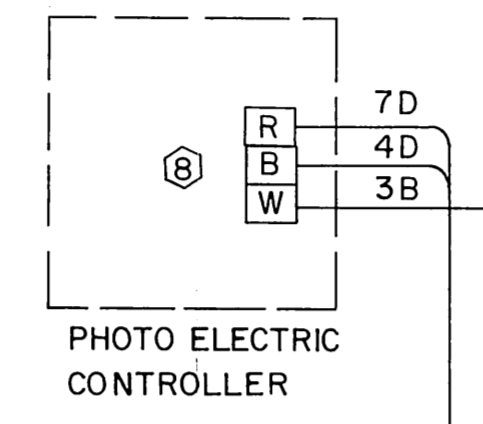
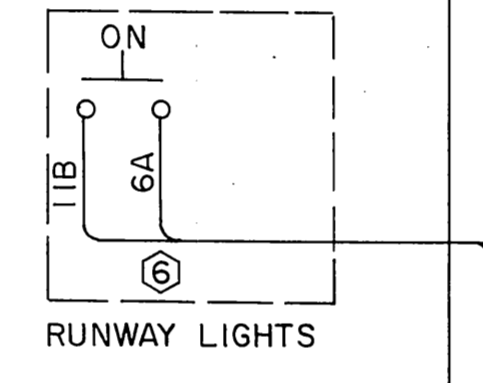
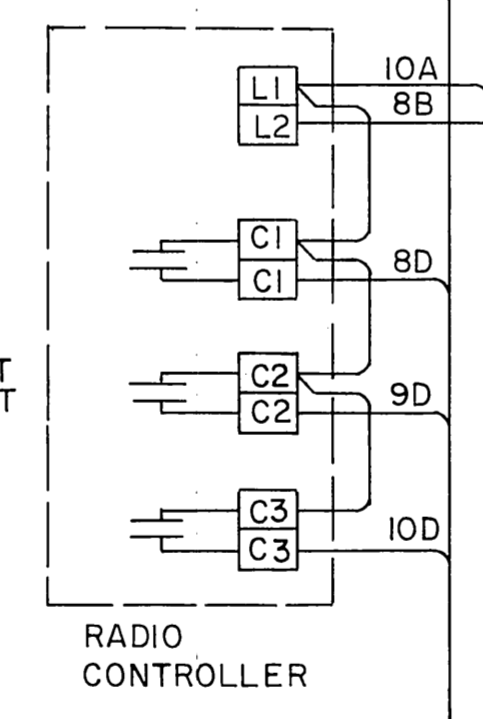


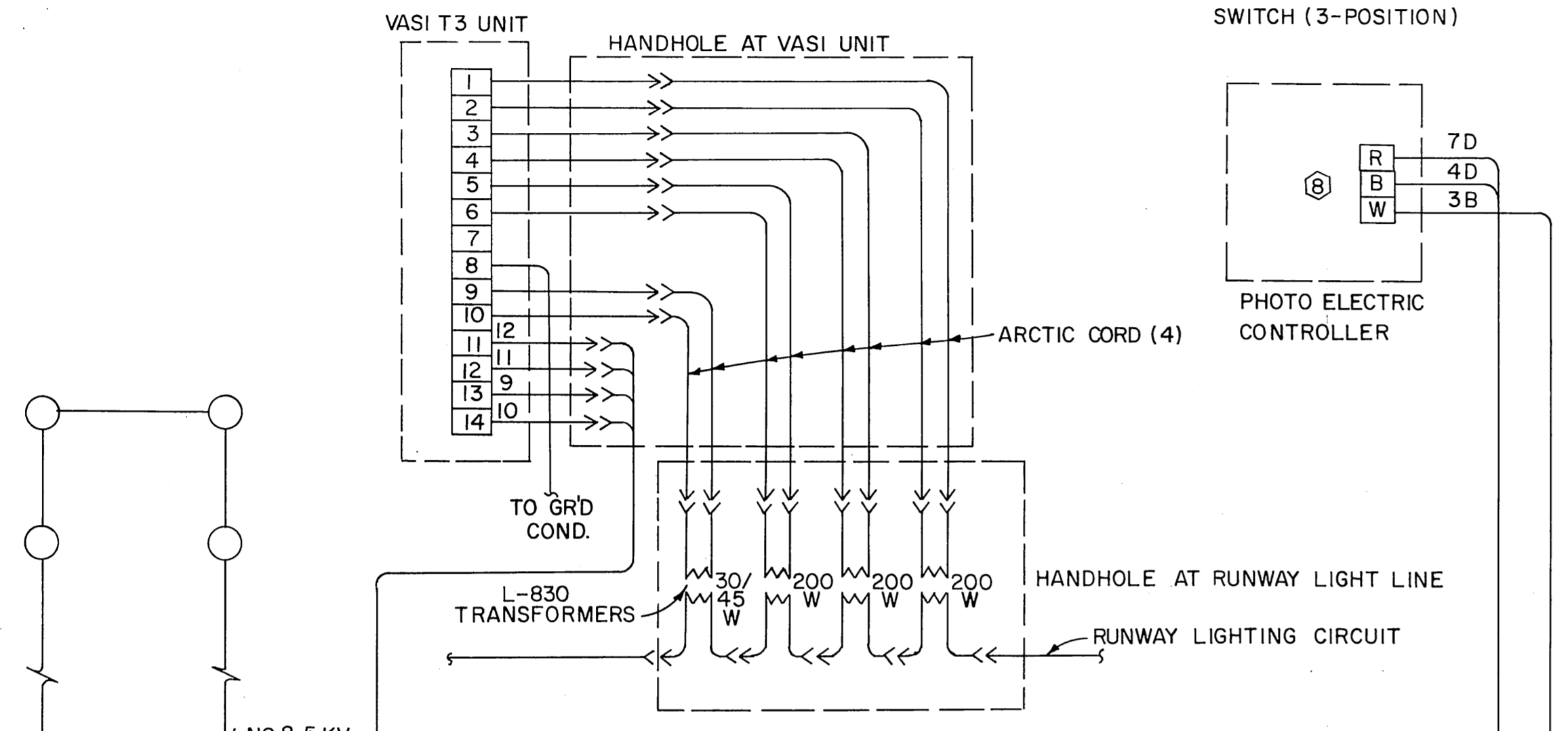
PHOTO ELECTRIC CONTROLLER



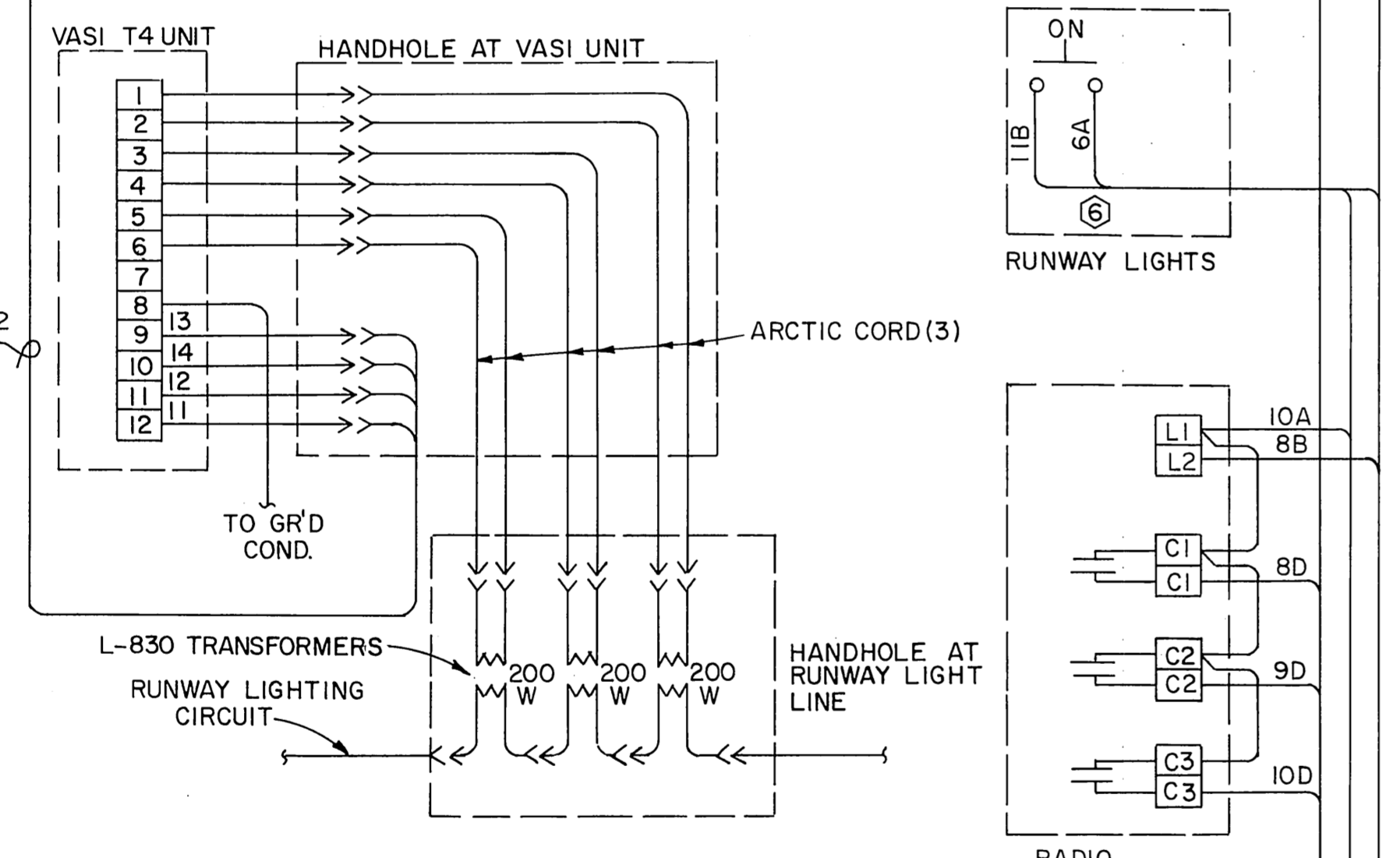
RUNWAY LIGHTS



RADIO CONTROLLER

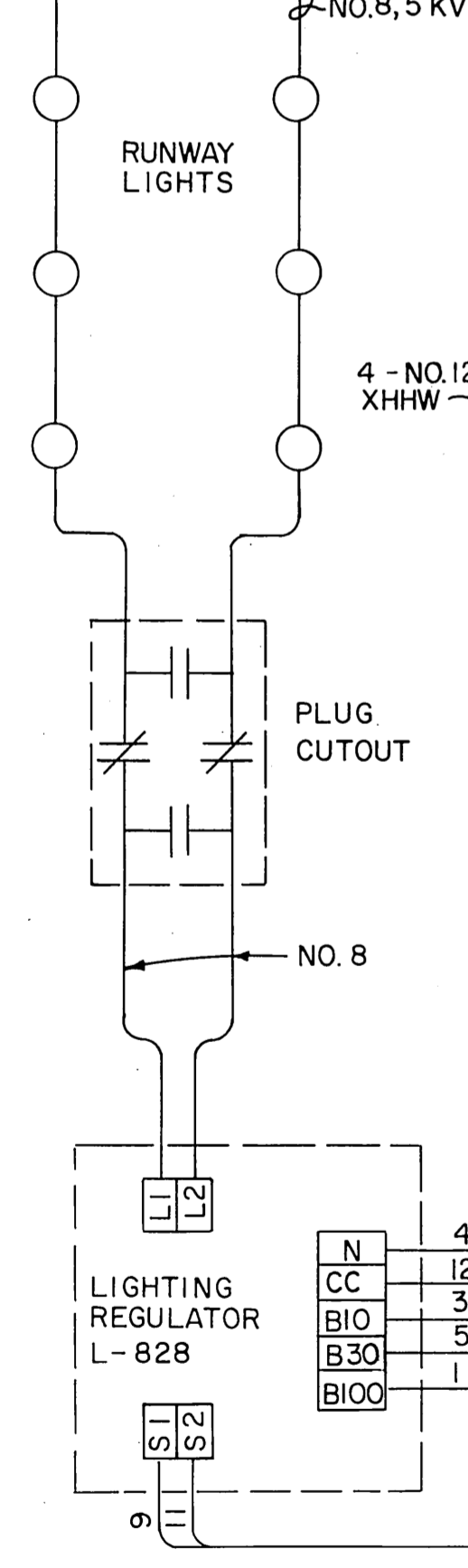


VASI T3 UNIT

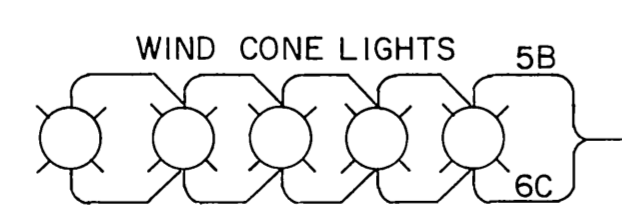


VASI T4 UNIT

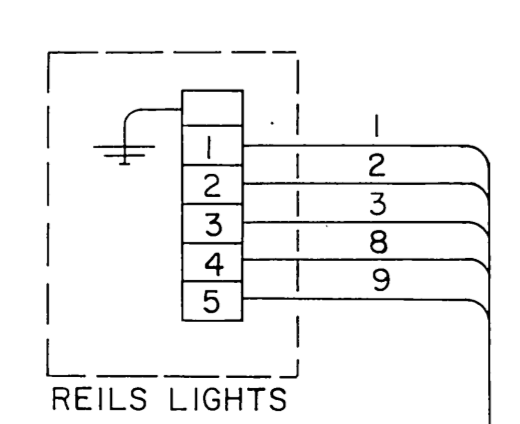
VASI CONNECTION DETAILS



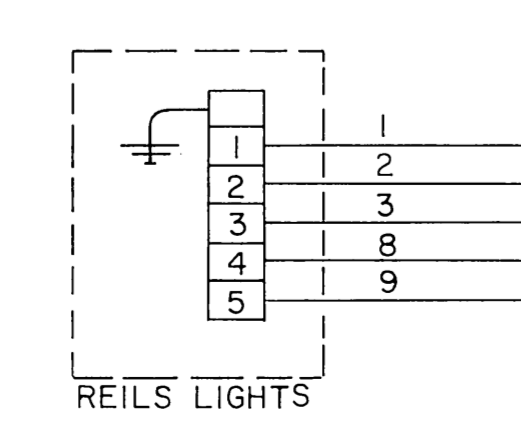
LIGHTING REGULATOR L-828



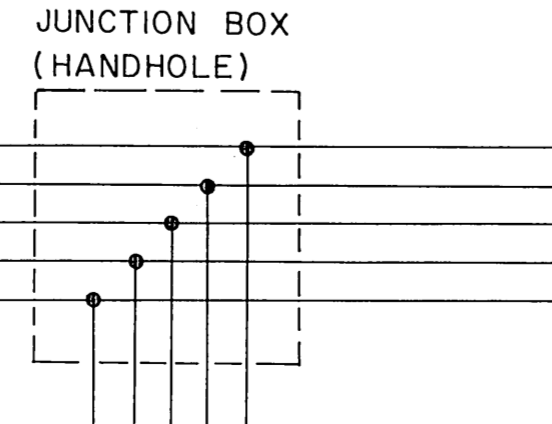
WIND CONE LIGHTS 5B



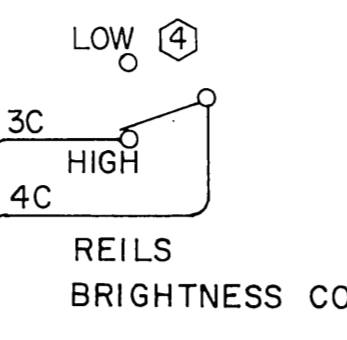
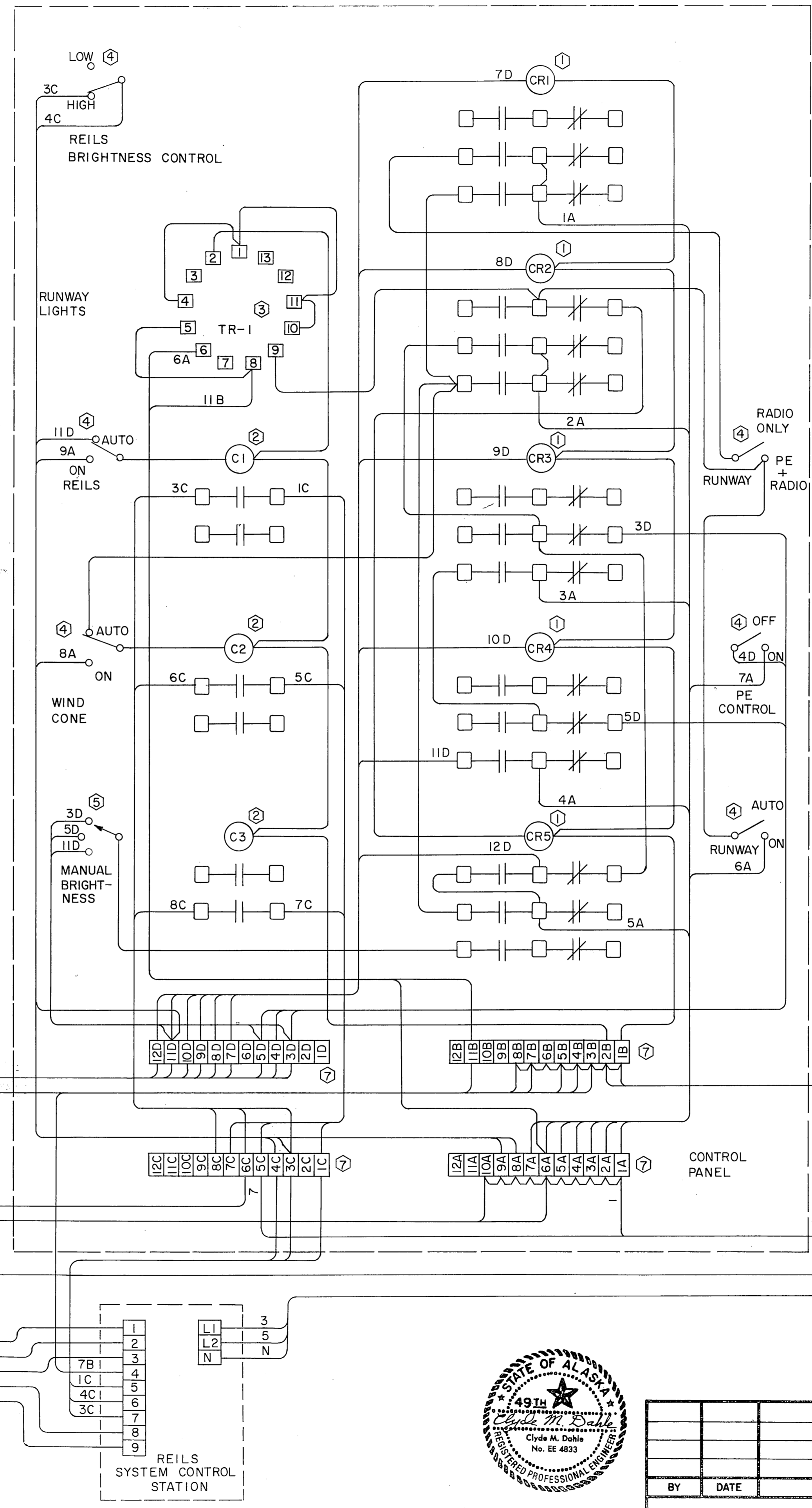
REILS LIGHTS



REILS LIGHTS



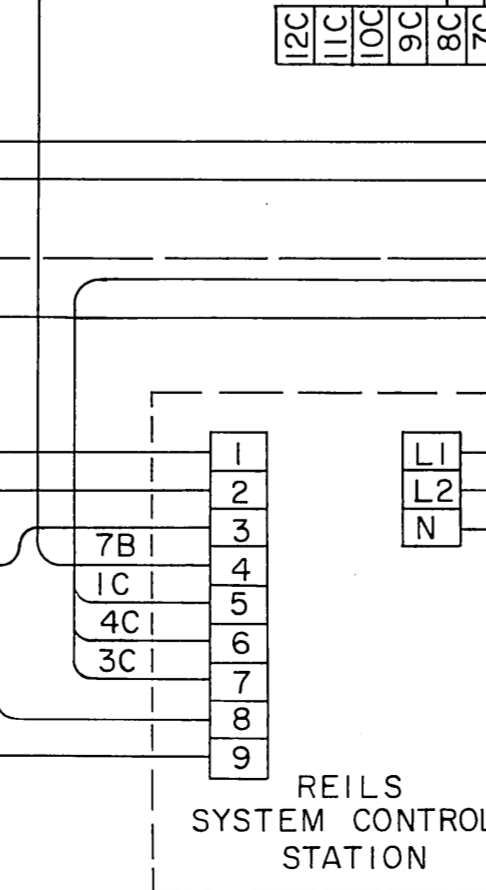
JUNCTION BOX (HANDHOLE)



REILS BRIGHTNESS CONTROL

RUNWAY LIGHTS

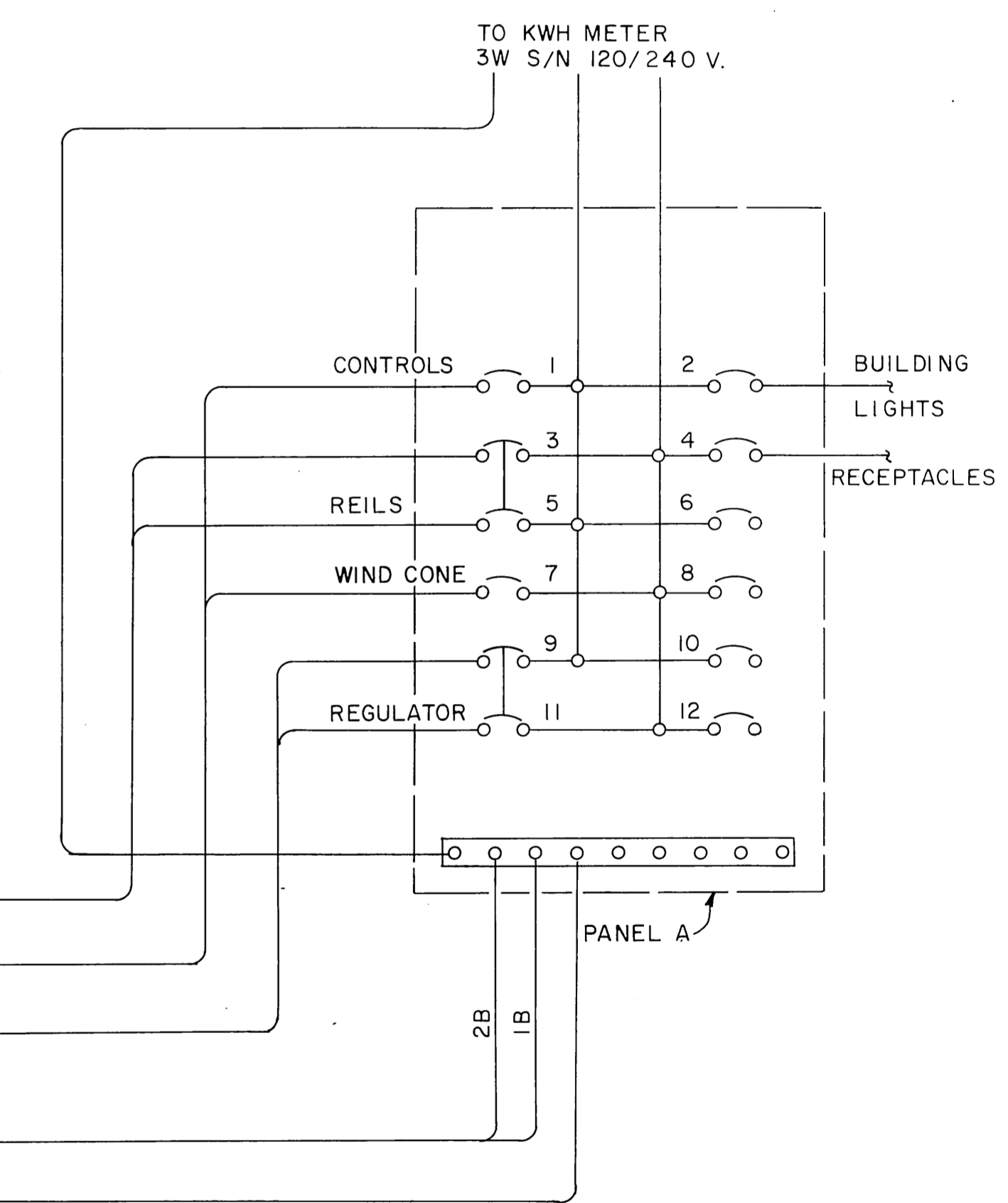
WIND CONE



REILS SYSTEM CONTROL STATION

BY	DATE	CHANGE

REVISIONS



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
S.E. REGION, DESIGN & CONSTRUCTION  
HAINES AIRPORT

WIRING DETAILS

APPROVED BY:	<i>W.L. Baumgartner</i>	DATE:	3/6/87
APPROVED BY:	<i>W.L. Baumgartner</i>	SCALE:	NONE
DESIGNED:	<i>C.M.D.</i>	DRAWN:	W.D.A.
CHECKED:	P.B.	DATE:	3-4-87

