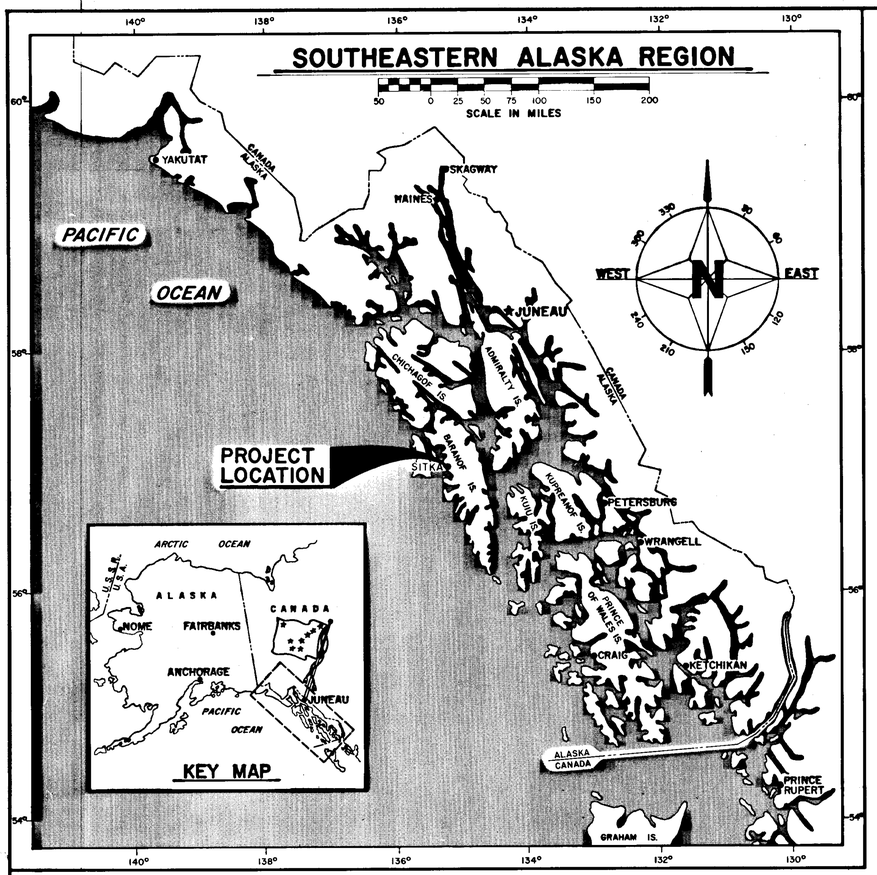


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION
DESIGN AND CONSTRUCTION DIVISION

KATLIAN AVENUE / HALIBUT PT RD SIGNAL

HES-099-3(2) **70313**

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE AND OVERHEAD UTILITIES
3	SUMMARY TABLES
4	TRAFFIC SIGNAL PLAN
5	SIGNING, STRIPING & ILLUMINATION
6	DETAILS
7-10	TRAFFIC CONTROL PLAN

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1, C-01.03, C-02.01, C-03.01, I-20.10, L-03.01, L-20.01, L-23.00, S-00.00, S-05.00, S-20.00, S-30.01, T-20.00, T-21.01, T-30.00, T-31.00, T-32.00, T-33.01, T-34.00, T-52.01 & U-03.00

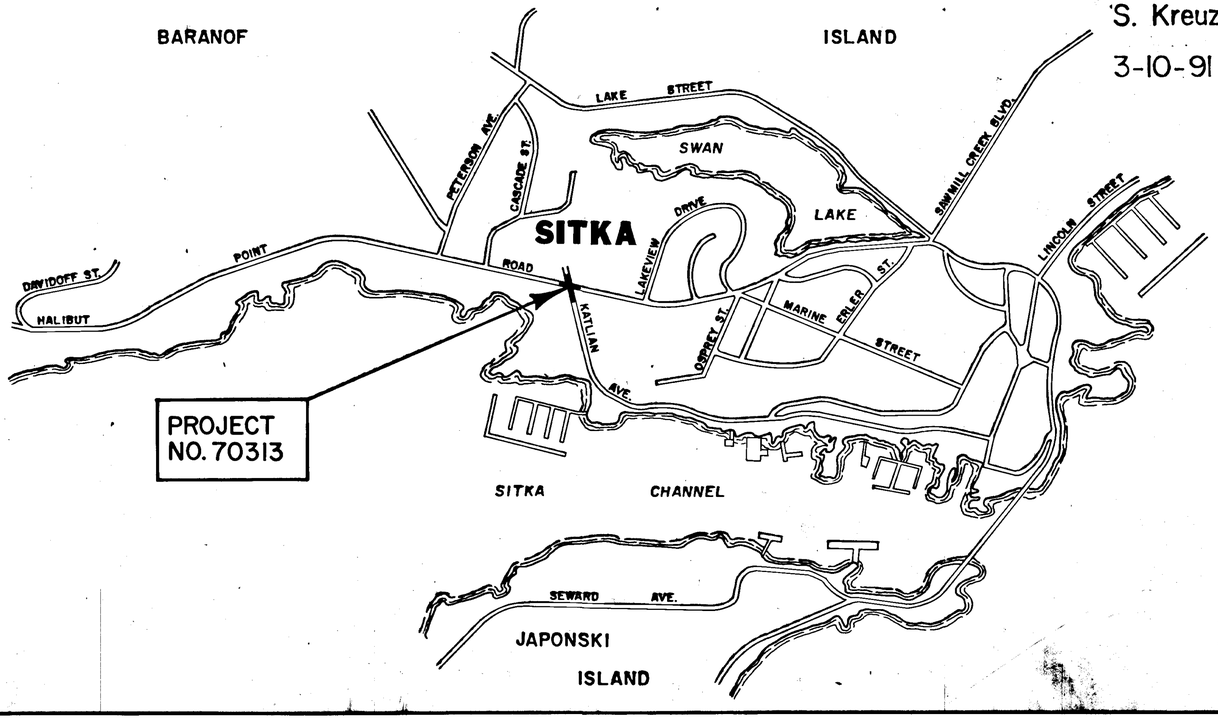
"AS-BUILT" PLANS
McCrehin General Contracting
S. Kreuzenstein, Proj. Engr.
3-10-91 to 6-12-91

DESIGN DESIGNATION

	HALIBUT POINT ROAD	KATLIAN AVENUE
A.D.T. 1990	10,500	2,850
A.D.T. 2010	14,200	3,500
D.H.V. (12%)	1,700	420
% T.	10%	10%
T.I.	N/A	N/A

PROJECT SUMMARY

LENGTH OF PROJECT	588'(0.111MI.)
LENGTH OF PAVING	N/A
LENGTH OF GRADING	N/A



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION DESIGN SECTION

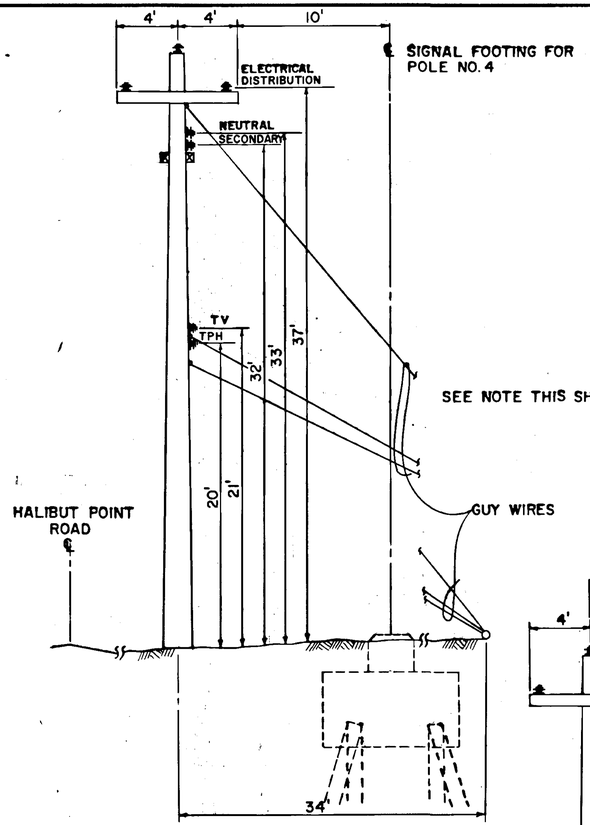
APPROVED
S.E. Region Design Chief — Date 9-12-90

APPROVED
Director, S.E. Region Design & Construction — Date 9-13-90

PROJECT NUMBER: HES-099-3(2) 70313	ENGINEER'S STAMP
DATE: 5/90	STATE OF ALASKA 4916 7/31/92 D.F. Doerflinger CE-7567 REGISTERED PROFESSIONAL ENGINEER
SHEET 1 OF 10	

ESTIMATE OF QUANTITIES

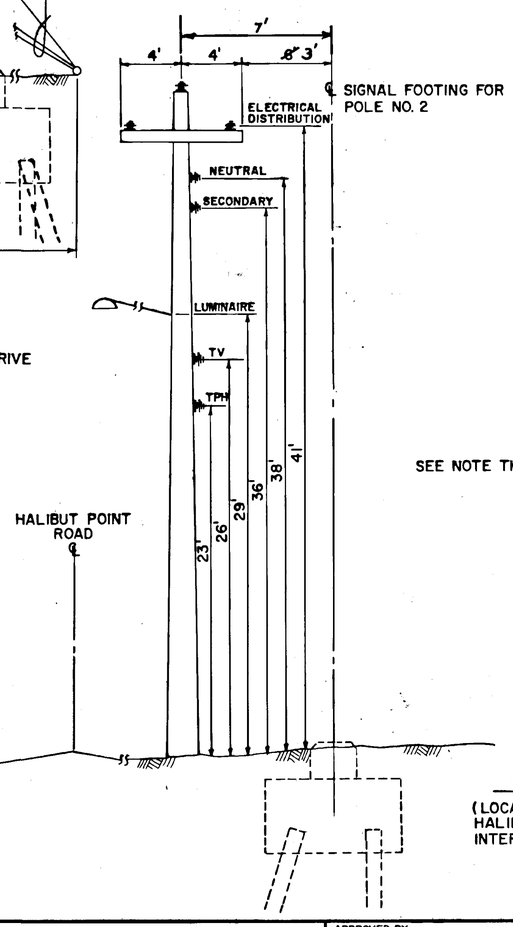
ITEM NO.	ITEM	UNIT	TOTAL
120(1)	DBE ADJUSTMENT	C.S.	ALL REQ'D
201(4B)	HAND CLEARING	L.S.	ALL REQ'D
505(5)	STRUCTURAL STEEL PILES, FURNISHED	L.F.	~~136~~ 93
505(6)	STRUCTURAL STEEL PILES, DRIVEN	EACH	8
603(22)	Remove and Replace C.M.P. C.O. No. 1	L.S.	All Req'd
615(1)	STANDARD SIGN C.O. No. 1	S.F.	106.5 ~~82.25~~
640(1)	MOBILIZATION & DEMOBILIZATION	L.S.	ALL REQ'D
641(1)	TEMPORARY EROSION AND POLLUTION CONTROL	C.S.	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
643(4)	CONSTRUCTION SIGN	EACH/DAY	~~450~~ 609
643(5)	TYPE I I BARRICADE	EACH/DAY	~~100~~ 499
643(7)	TRAFFIC CONE	EACH/DAY	~~500~~ 1267
643(8)	DRUM	EACH DAY	~~130~~ 319
643(15)	FLAGGING	HOUR	~~360~~ 2195
660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE	L.S.	ALL REQ'D
660(3)	HIGHWAY LIGHTING SYSTEM	L.S.	ALL REQ'D
660(11)	TRAFFIC SIGNAL TRAINING	L.S.	ALL REQ'D
661(3)	LOAD CENTER, TYPE 3	EACH	1
670(1)	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQ'D



SIGNAL POLE NO. 4

(LOCATED AT THE SOUTH CORNER OF THE HALIBUT POINT ROAD / MOLLER DRIVE INTERSECTION). SEE SHEET 4 OF 10.

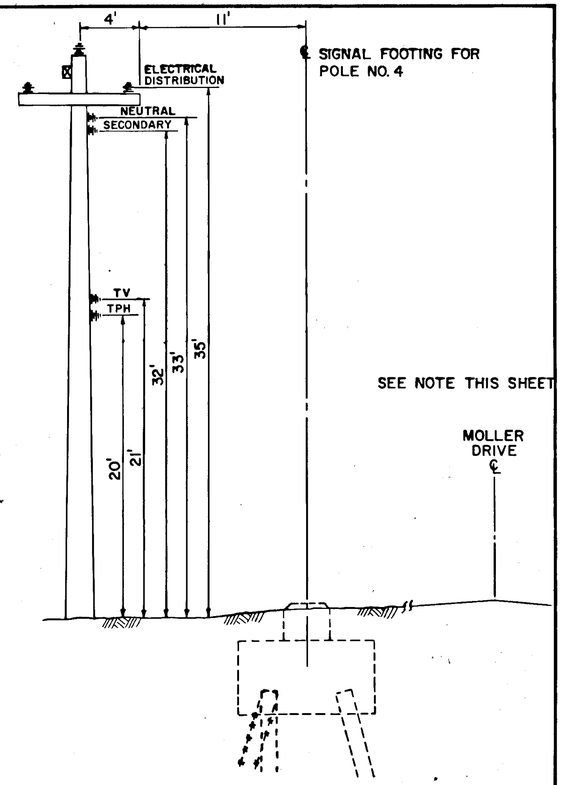
OVERHEAD UTILITIES NEAR POLES 2 & 4.



NOTE: TPH FOR TELEPHONE
TV FOR TELEVISION

SIGNAL POLE NO. 2

(LOCATED AT THE NORTH CORNER OF THE HALIBUT POINT ROAD / MOLLER DRIVE INTERSECTION.) SEE SHEET 4 OF 10.



SIGNAL POLE NO. 4

(LOCATED AT THE SOUTH CORNER OF THE HALIBUT POINT ROAD / MOLLER DRIVE INTERSECTION). SEE SHEET 4 OF 10.

NOTE:

ON THIS SHEET, THE HORIZONTAL DISTANCES PROVIDED HAVE BEEN OBTAINED BY SCALING DRAWINGS AND THE VERTICAL DISTANCES PROVIDED HAVE BEEN OBTAINED FROM MEASUREMENTS MADE AT LOCATIONS OTHER THAN THE SIGNAL POLE LOCATIONS. NEITHER THE HORIZONTAL NOR VERTICAL DIMENSIONS ARE ACCURATE AND HAVE BEEN PROVIDED ONLY TO ILLUSTRATE THE GENERAL CONDITIONS AT THE PROJECT SITE. THE CONTRACTOR SHALL DETERMINE THE ACTUAL DIMENSIONS, NUMBER AND TYPES OF UTILITIES AT THE EXACT POLE LOCATIONS.

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
QUANTITIES AND OVERHEAD UTILITIES

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP ___ _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: D.D.
DRAWN BY: B.A.
CHECKED BY: R.P.
SCALE: NONE
DATE: 5/90
SHEET 2 OF 10

ENGINEER'S STAMP
STATE OF ALASKA 4916 9/2/90 D.F. Doerflinger CE-7567 REGISTERED PROFESSIONAL ENGINEER

SIGNAL HEAD SUMMARY

SIGNAL HEAD NUMBER	PHASE	POLE NUMBER	INDICATED	LENS SIZE	MOUNTING TYPE	REMARKS
1	6	1	R-Y-G	12"	S-1	
2	6	1	PED.SYMBL.	NEON	SW-2	
3	4	1	PED.SYMBL.	NEON	SW-2	
4	6	1	R-Y-G	12"	PLUMBIZER	
5	8	4	PED.SYMBL.	NEON	SW-1	
6	8	4	R-Y-G	12"	S-1	
7	8	4	R-Y-G	12"	PLUMBIZER	
8	2	2	R-Y-G	12"	S-1	
9	2	2	R-Y-G	12"	PLUMBIZER	
10	4	3	R-Y-G	12"	S-1	
11	2	3	PED.SYMBL.	NEON	SW-1	
12	4	3	R-Y-G	12"	PLUMBIZER	

J-BOX AND CABINET BASE SUMMARY

NUMBER	"A" LINE STATION	OFFSET RT.	OFFSET LT.	TYPE	REMARKS
1	7+31-21	25'		1	
2	8+52	20'		1	
3	9+52	26'		1	REMOVE EXISTING
3	9+52	26'		2	
4	9+79	45'		1	EXISTING
5	9+96	52'		1	REMOVE EXISTING
5	9+96	52'		2	
6	10+46	48'		1	REMOVE EXISTING
6	10+46	48'		2	
7	12+88		30'	1	
8	11+32		29'	1	
9	10+56		32'	1	
10	10+34		39'	1	
11	10+06		60'	2	In Sidewalk
12	9+35		71'	1	
13	9+35		62'	2	
14	9+28		39'	1	REMOVE EXISTING
14	9+28		39'	2	
	9+80	52'			INSTALL TYPE P-I CABINET
15	9+80	50'		3	INSTALL IN FRONT OF CABINET

DETECTOR SUMMARY

NUMBER	"A LINE STATION	OFFSET LT.	OFFSET RT.	TYPE	PHASE	REMARKS
1	7+00		9'	6'X6' LOOP	2	3 TURNS
2	8+52		9'	6'X6' LOOP	2	3 TURNS
3	9+35	1'		6'X35' QUADRAPOLE	2	2-4-2 TURNS
4	9+37		9'	6'X25' LOOP	2	3 TURNS, DC-EC
5	9+90		55'	PED. PUSH BUTTON	4	INSTALL R10-4B(R)SIGN
6	10+22		51'	6'X35' LOOP	4	3 TURNS
7	10+47	2'		6'X35' QUADRAPOLE	6	2-4-2 TURNS
8	10+42	12'		6'X25' LOOP	6	3 TURNS, DC-EC
9	11+33	12'		6'X6' LOOP	6	3 TURNS
10	12+88	6'		6'X6' LOOP	6	3 TURNS
12	9+69	64'		6'X35' LOOP	8	3 TURNS
13	9+58	44'	64'	6'X35' LOOP	8	3 TURNS
14	9+31	46'		PED. PUSH BUTTON	8	INSTALL R10-4B(L)SIGN
15	9+31	46'		PED. PUSH BUTTON	2	INSTALL R10-4B(R)SIGN
16	10+22	50'		PED. PUSH BUTTON	6	INSTALL R10-4B(L)SIGN

DETECTOR SUMMARY NOTES

1. ALL DETECTOR AMPLIFIERS SHALL HAVE THE DELAY/EXTENSION OPTIONAL FEATURE.
2. DC-EC=DELAY CALL-EXTEND CALL.

GENERAL NOTES

1. SIGNAL HARDWARE SHALL BE MOUNTED AS PER STANDARD DRAWING T-30.00 & T-52.01.
2. THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTITLITIES PIPES, AND CULVERTS.
3. CONDUIT LOCATIONS AS SHOWN ON THE SIGNALIZATION PLAN ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED AS NECESSARY TO SUIT FIELD CONDITIONS.
4. J-BOX LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO SUIT FIELD CONDITIONS.
5. "C"=CONDUCTOR, "RMC"= RIGID METAL CONDUIT.
6. QUANTITY OF HAND CLEARING TO BE ACCOMPLISHED ON THIS PROJECT IS ESTIMATED TO BE APPROXIMATELY 2000 S.F.

SIGNAL POLE SUMMARY

NUMBER	"A" LINE STATION	OFFSET LT.	OFFSET RT.	TYPE	SIGNAL MAST ARM K	SIGNAL MAST ARM M	SIGNAL MAST ARM N	FOUNDATION	ILLUMINATION MAST ARM	REMARKS
1	9+31	42'		COMBINATION IN PLACE	40	10	30	IN PLACE	IN PLACE	INSTALL MAST ARM
2	10+54		38'	STANDARD	40	10	30	PILING, SEE SHT. 6		
3	10+23	50'		COMBINATION	28	NA	28	SPREAD FOOTING	15'	
4	9+90		45'	COMBINATION	15	NA	15	PILING, SEE SHT. 6	6'	

SIGNAL POLE SUMMARY NOTES:

1. ALL POLES SHALL HAVE R9-4 DECAL PLACED 5' ABOVE GROUND LEVEL OF POLE, FACING THE CROSSING.
2. THE CONTRACTOR SHALL SUPPLY ALL ANCHOR BOLTS WITH NUTS AND WASHERS, FOR POLES 2,3, AND 4.
3. PILE-SUPPORTED FOOTINGS FOR POLES NO. TWO AND FOUR, SHALL BE CONSTRUCTED AS SHOWN ON SHEET SIX.

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

KATLIAN AVENUE/HALIBUT POINT ROAD SIGNAL
PROJECT NO. HES-099-3(2), 70313
SUMMARY TABLES

DESIGNED BY: R. PURVIS/W. TOWNSEND	SCALE NONE
DRAWN BY: AUTOCADD/CSA	DATE: 5/90
CHECKED BY: J. AHLGREN	SHEET 3 OF 10

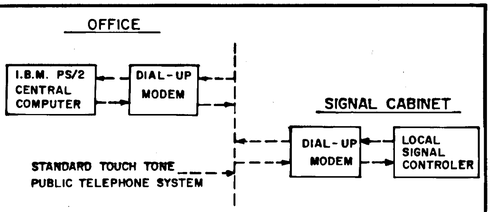
ENGINEER'S SEAL
STATE OF ALASKA 49th
D.F. Doerflinger CE-7567
REGISTERED PROFESSIONAL ENGINEER

BASIS OF HORIZONTAL CONTROL

The Basis of Horizontal Control is the centerline bearing between Halibut Point Road Monuments "L" 46+85.21 P.T. and the Katlian Avenue Intersection Monument given as N. 33°15'30" W. (NOTE: "L" 46+85.21 P.T. = "A" 4+83.77 P.O.T.)

* EXISTING CONDUIT LOCATIONS FOR CABLES

QUANTITY	SIZE	FROM	TO
2	2"	"A" 10+6.60 LT.	"A" 9+40.62' LT.
1	3"	"A" 9+22.37' LT.	"A" 9+54.23' RT.
1	2½"		
1	2"		
2	2"	"A" 9+97.49' RT.	"A" 10+45.46' RT.



SCHEMATIC FOR OFFICE TO SIGNAL TELEPHONE

WIRING DIAGRAM

* For Future Signal Head

PHASE DIAGRAM

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
TRAFFIC SIGNAL PLAN

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP ** _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: J.E.A.
DRAWN BY: B.A.
CHECKED BY: R.P.
SCALE: NONE
DATE: 5/90
SHEET 4 OF 10

ENGINEER'S STAMP
STATE OF ALASKA 49th
D.F. Doerflinger CE-7567
REGISTERED PROFESSIONAL ENGINEER

A/E SUPPLIES 11-009

SIGN SCHEDULE

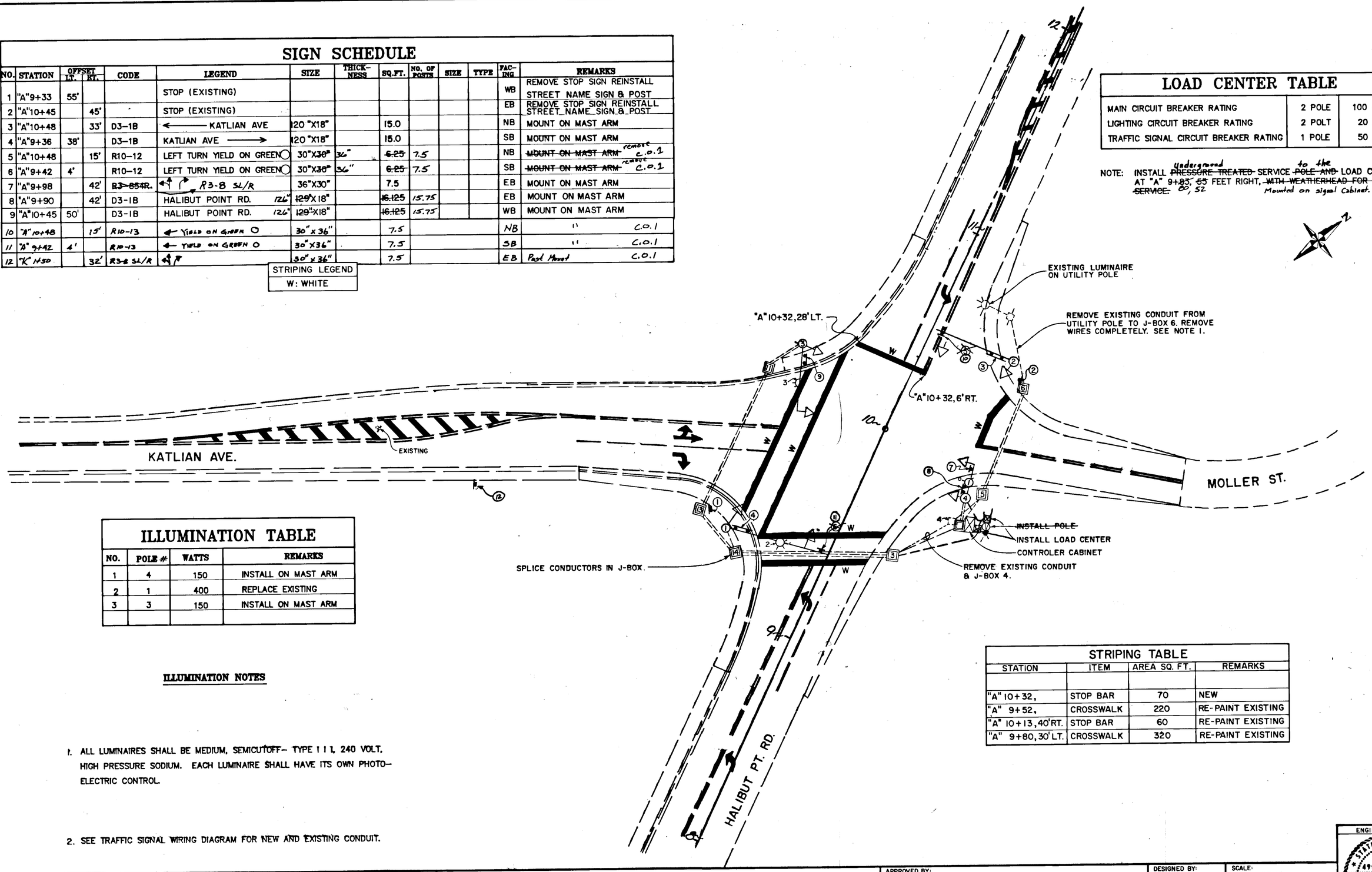
NO.	STATION	OFFSET LT.	OFFSET RT.	CODE	LEGEND	SIZE	THICK-NESS	SQ.FT.	NO. OF POSTS	SIZE	TYPE	FAC-ING	REMARKS
1	"A"9+33	55'			STOP (EXISTING)							WB	REMOVE STOP SIGN REINSTALL STREET NAME SIGN & POST
2	"A"10+45		45'		STOP (EXISTING)							EB	REMOVE STOP SIGN REINSTALL STREET NAME SIGN & POST
3	"A"10+48		33'	D3-1B	← KATLIAN AVE	120 "X18"		15.0				NB	MOUNT ON MAST ARM
4	"A"9+36	38'		D3-1B	KATLIAN AVE →	120 "X18"		15.0				SB	MOUNT ON MAST ARM
5	"A"10+48		15'	R10-12	LEFT TURN YIELD ON GREEN	30"~~X30"~~	36"	~~6.25~~	7.5			NB	~~MOUNT ON MAST ARM~~ remove C.O.1
6	"A"9+42	4'		R10-12	LEFT TURN YIELD ON GREEN	30"~~X30"~~	36"	~~6.25~~	7.5			SB	~~MOUNT ON MAST ARM~~ remove C.O.1
7	"A"9+98		42'	~~R3-85A~~ R.	R3-8 SL/R	36"X30"		7.5				EB	MOUNT ON MAST ARM
8	"A"9+90		42'	D3-1B	HALIBUT POINT RD. 12C"	~~12~~9"X18"		~~16.125~~	15.75			EB	MOUNT ON MAST ARM
9	"A"10+45	50'		D3-1B	HALIBUT POINT RD. 12C"	~~12~~9"X18"		~~16.125~~	15.75			WB	MOUNT ON MAST ARM
10	"A" 10+48		15'	R10-13	← YIELD ON GREEN	30" x 36"		7.5				NB	" C.O.1
11	"A" 9+42	4'		R10-13	← YIELD ON GREEN	30"X36"		7.5				SB	" C.O.1
12	"K" 1+50		32'	R3-8 SL/R		30" x 36"		7.5				EB	Post Mount C.O.1

STRIPING LEGEND
W: WHITE

LOAD CENTER TABLE

MAIN CIRCUIT BREAKER RATING	2 POLE	100 AMPS
LIGHTING CIRCUIT BREAKER RATING	2 POLT	20 AMPS
TRAFFIC SIGNAL CIRCUIT BREAKER RATING	1 POLE	50 AMPS

NOTE: INSTALL ~~PRESSURE TREATED~~ underground SERVICE ~~POLE AND~~ to the LOAD CENTER AT "A" 9+~~83~~ 80, ~~55~~ 52 FEET RIGHT, ~~WITH WEATHERHEAD FOR OVERHEAD SERVICE.~~ Mounted on signal Cabinet.



ILLUMINATION TABLE

NO.	POLE #	WATTS	REMARKS
1	4	150	INSTALL ON MAST ARM
2	1	400	REPLACE EXISTING
3	3	150	INSTALL ON MAST ARM

ILLUMINATION NOTES

1. ALL LUMINAIRES SHALL BE MEDIUM, SEMICUTOFF– TYPE I I I, 240 VOLT, HIGH PRESSURE SODIUM. EACH LUMINAIRE SHALL HAVE ITS OWN PHOTO–ELECTRIC CONTROL.

2. SEE TRAFFIC SIGNAL WIRING DIAGRAM FOR NEW AND EXISTING CONDUIT.

STRIPING TABLE

STATION	ITEM	AREA SQ. FT.	REMARKS
"A" 10+32,	STOP BAR	70	NEW
"A" 9+52,	CROSSWALK	220	RE-PAINT EXISTING
"A" 10+13, 40' RT.	STOP BAR	60	RE-PAINT EXISTING
"A" 9+80, 30' LT.	CROSSWALK	320	RE-PAINT EXISTING

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

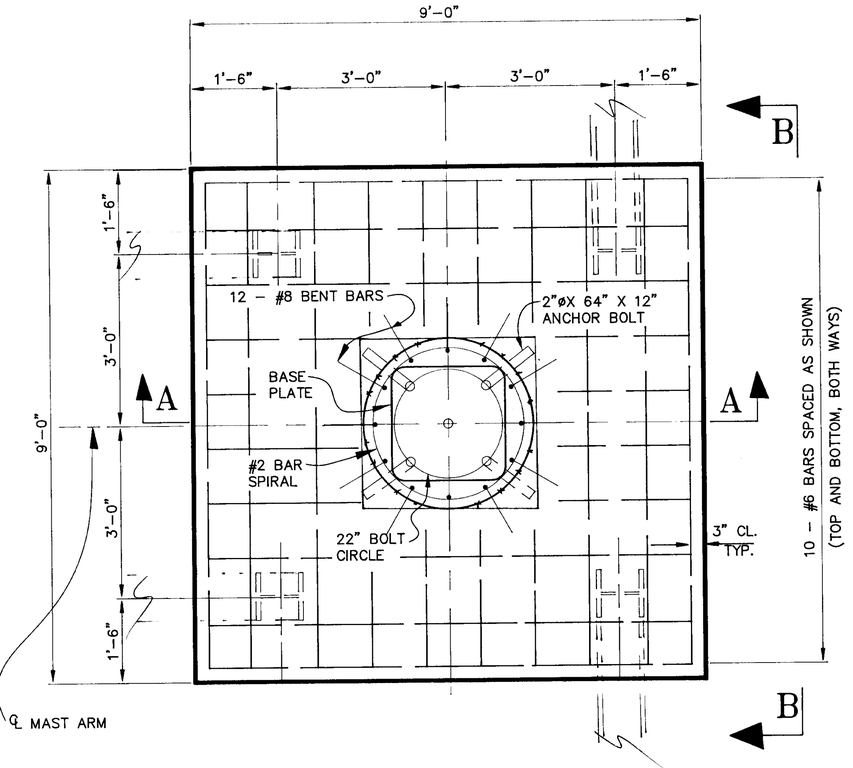
KATLIAN AVENUE HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
STRIPING, SIGNING & ILLUMINATION

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP ___ _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: JE.A.
DRAWN BY: B.A.
CHECKED BY: R.P.
SCALE: NONE
DATE: 5/90
SHEET 5 OF 10

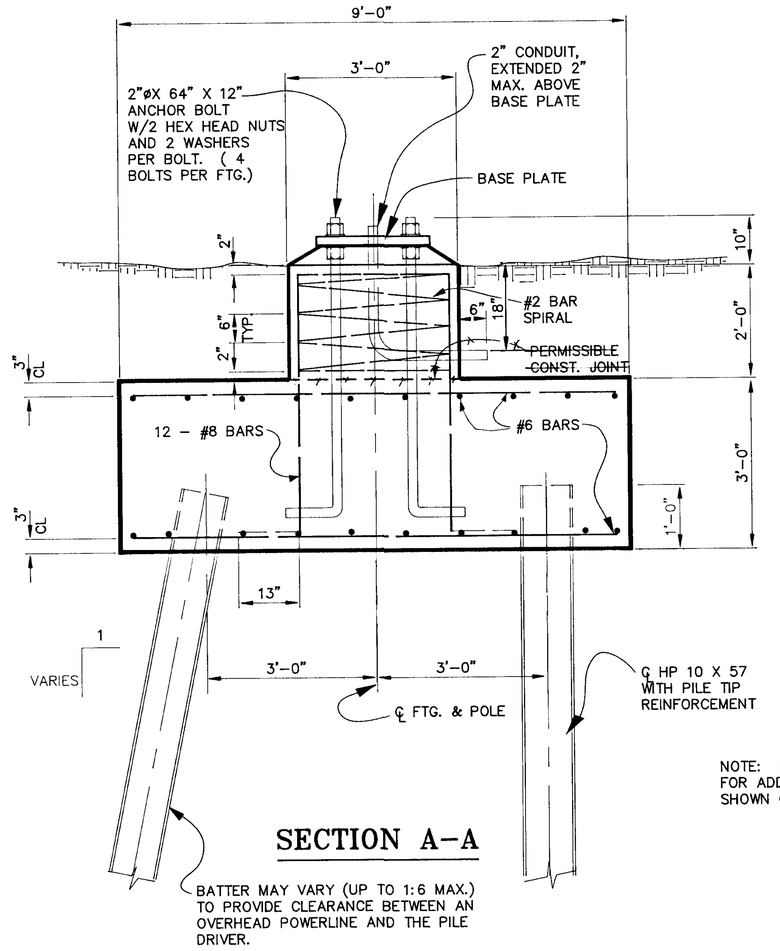
ENGINEER'S STAMP
STATE OF ALASKA 49th
D.F. Doerflinger CE-7567
REGISTERED PROFESSIONAL ENGINEER

I/E SUPPLIES 114099

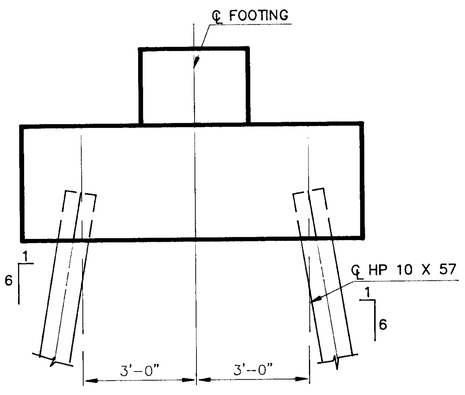


SIGNAL POLE #2 AND #4 FOOTING

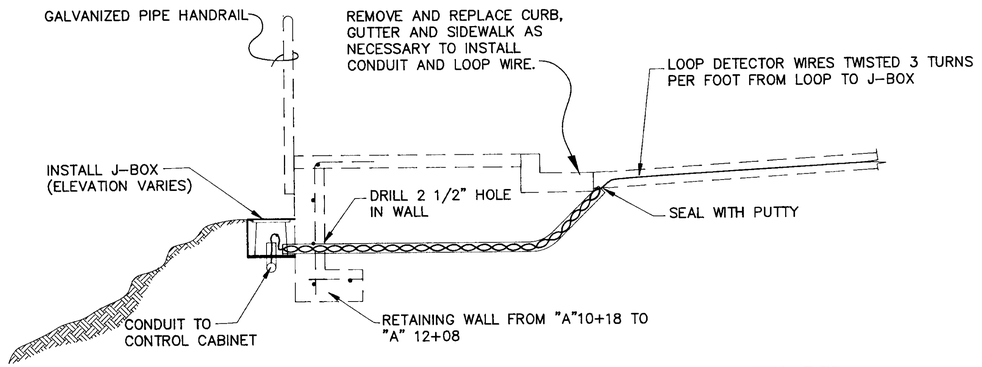
(PILE SUPPORTED)



SECTION A-A



VIEW B-B



TYPICAL J-BOX INSTALLATION BEHIND SIDEWALK

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1989 EDITION, WITH THE LATEST INTERIM SPECIFICATIONS.

AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

CONSTRUCTION: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 1988, WITH STANDARD MODIFICATIONS AND THE SPECIAL PROVISIONS.

DESIGN UNIT STRESSES:

CAST-IN-PLACE CONCRETE: f'_c = 3,000 psi

f_c = 1,200 psi

REINFORCING STEEL: f_y = 60,000 psi

STRUCTURAL MATERIALS:

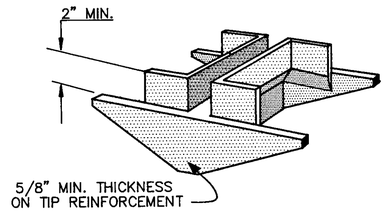
CONCRETE: ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS A.

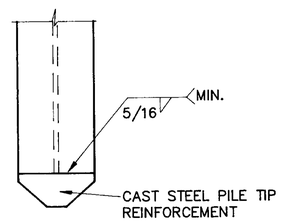
REINFORCING STEEL: ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615, GRADE 60.

PILING: HP 10 X 57, A36 STEEL WITH TIP REINFORCEMENT. DESIGN LOADING = 20 TONS.

ANCHOR BOLTS: ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A449. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.

NOTE: SEE STD. DWG. T-52.01 FOR ADDITIONAL DETAILS NOT SHOWN ON THIS DRAWING.





PILE TIP REINFORCEMENT

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ENGINEER'S SEAL

STATE OF ALASKA 49th 1/3/1959 D.F. Doerflinger CE-7567 REGISTERED PROFESSIONAL ENGINEER

Y:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

KATLIAN AVENUE/HALIBUT POINT ROAD SIGNAL

PROJECT NO. HES-099-3(2), 70313

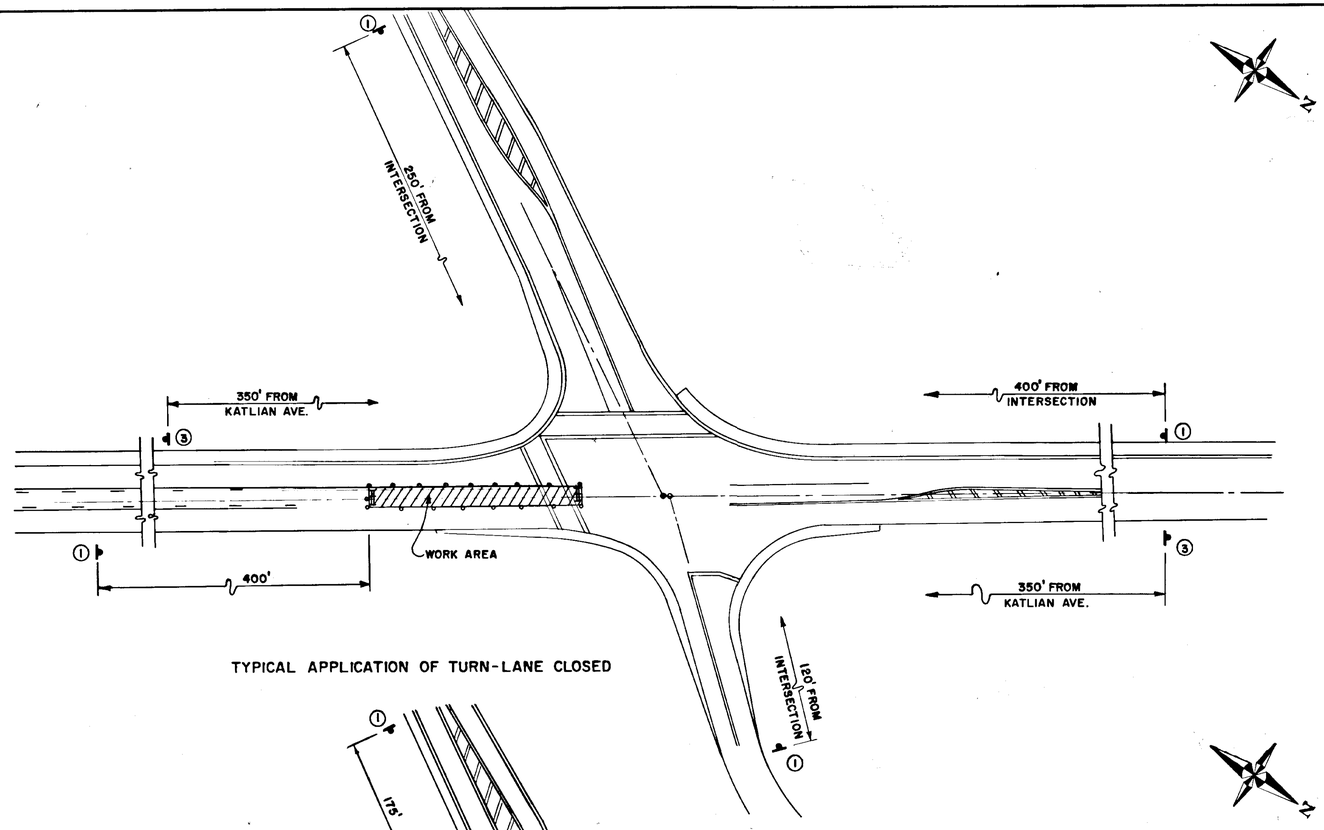
SIGNAL POLE DETAILS

DESIGNED BY: W. TOWNSEND/R. PURVIS	SCALE NONE
DRAWN BY: AUTOCADD/CSA	DATE: 5/90
CHECKED BY: J. AHLGREN	SHEET 6 OF 10

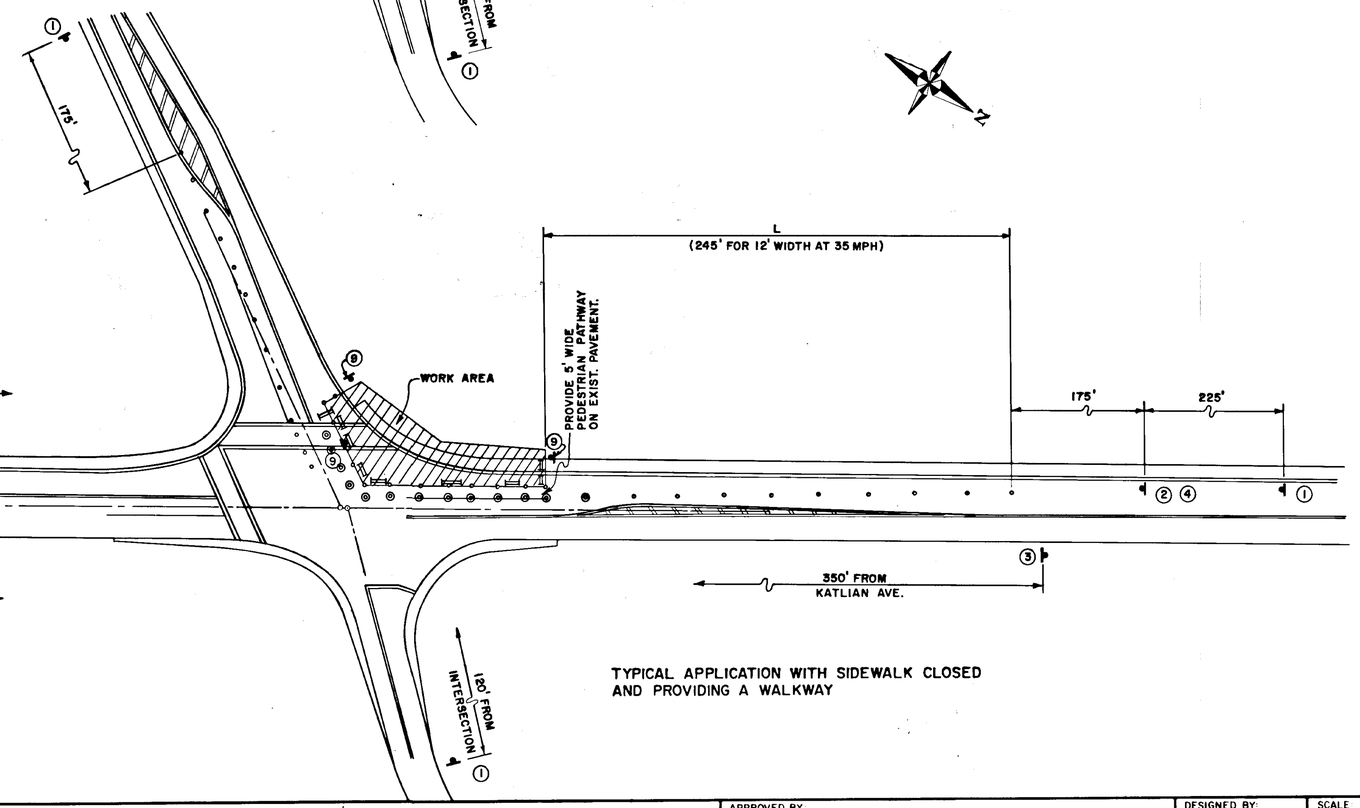
1=10

TRAFFIC CONTROL PLAN

1. LENGTH OF TAPERS (L) SHALL EQUAL $\frac{WS^2}{60}$ S= SPEED, W=WIDTH OF OFFSET.
2. TWO LANE, TWO-WAY TRAFFIC SHALL BE MAINTAINED FROM 12:00 NOON TO 7:00 P.M. MONDAY THRU FRIDAY.
3. MINIMUM LANE WIDTH SHALL BE 10 FEET.
4. A PEDESTRIAN WALKWAY SHALL BE PROVIDED AT ALL TIMES AROUND WORK AREAS.
5. DETAILED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR ALL SET-UPS DIFFERENT THAN TYPICALS SHOWN IN PLANS.
6. SHEET NO. 10 IS INCLUDED FOR USE IN DEVELOPING ALTERNATE T C P'S.



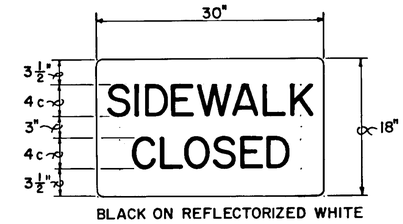
TYPICAL APPLICATION OF TURN-LANE CLOSED



TYPICAL APPLICATION WITH SIDEWALK CLOSED AND PROVIDING A WALKWAY

LEGEND

- FLAGPERSON
- II TYPE II BARRICADES
- CHANNELIZING DEVICE OR TRAFFIC CONE.
- DRUMS
- (1) ROAD CONSTRUCTION AHEAD
- (2)
- (3) END CONSTRUCTION
- (4) 20 M.P.H.
- (5) FLAGPERSON SYMBOL
- (6)
- (7) NO PARKING
- (8) ONE LANE ROAD AHEAD
- (9) SIDEWALK CLOSED (SEE DETAIL THIS SHEET)



BLACK ON REFLECTORIZED WHITE

SIGN DETAIL

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
TRAFFIC CONTROL PLAN

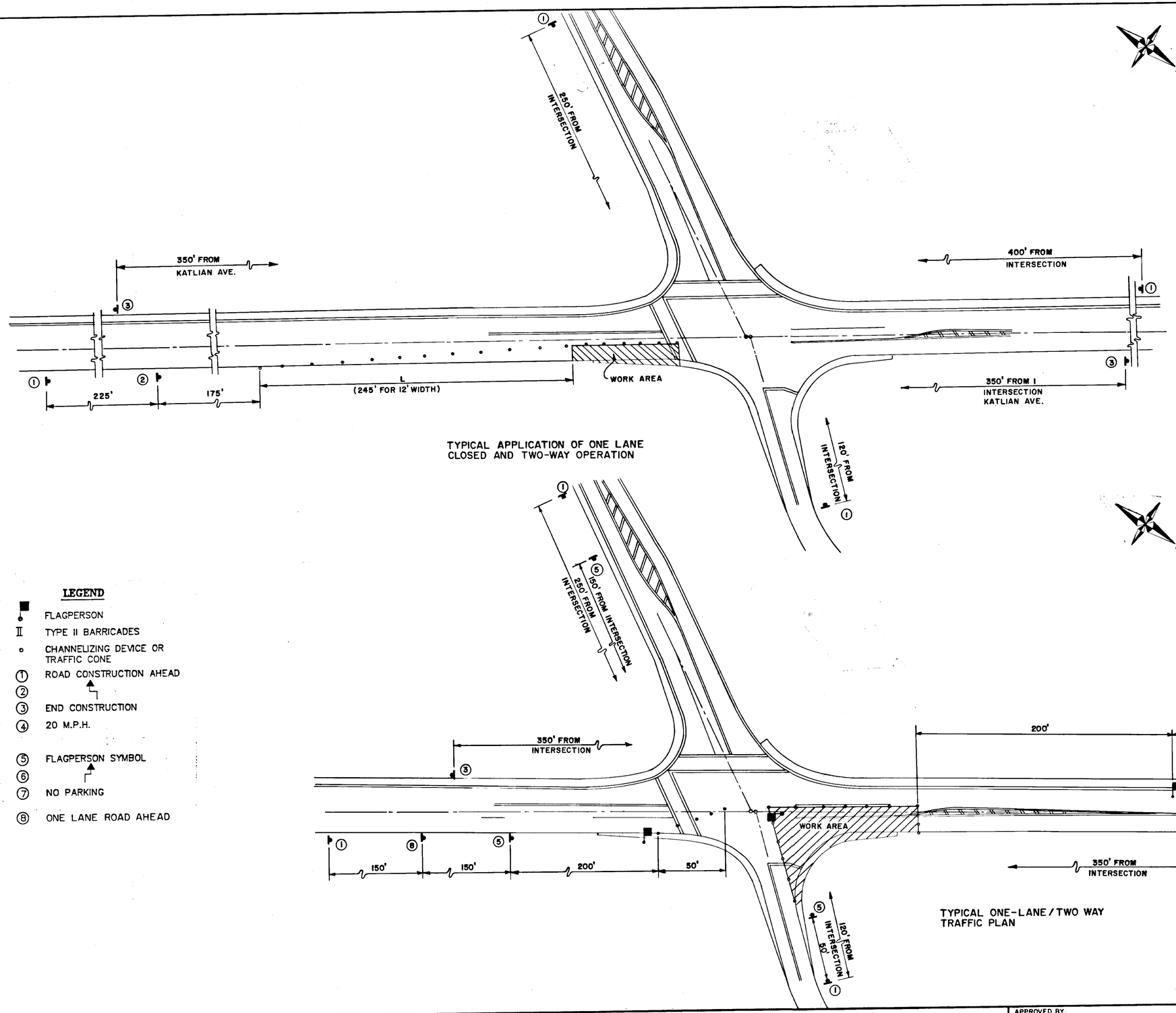
APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP "" _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: J.E.A.
DRAWN BY: B.A.
CHECKED BY: R.P.

SCALE: NONE
DATE: 5/90
SHEET 7 OF 10

ENGINEER'S STAMP
STATE OF ALASKA 49th
D.F. Doerflinger CE-7567
REGISTERED PROFESSIONAL ENGINEER

A-E SUPPLIES 11/20



TYPICAL APPLICATION OF ONE LANE CLOSED AND TWO-WAY OPERATION

TYPICAL ONE-LANE / TWO WAY TRAFFIC PLAN

LEGEND

- FLAGPERSON
- II TYPE II BARRICADES
- ○ CHANNELIZING DEVICE OR TRAFFIC CONE
- ① ROAD CONSTRUCTION AHEAD
- ② ↑
- ③ END CONSTRUCTION
- ④ 20 M.P.H.
- ⑤ FLAGPERSON SYMBOL
- ⑥ ↑
- ⑦ NO PARKING
- ⑧ ONE LANE ROAD AHEAD

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

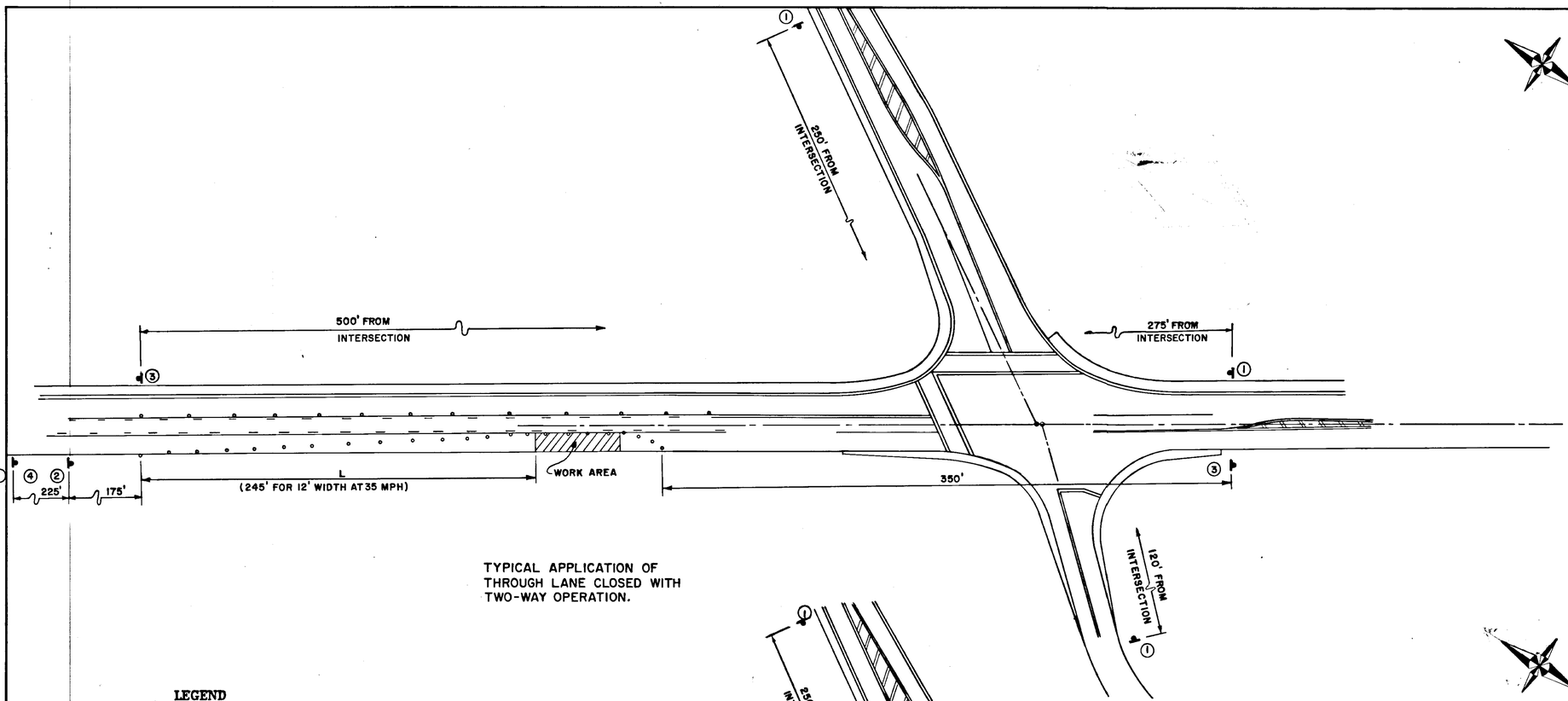
KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
TRAFFIC CONTROL PLAN

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: J.E.A.
DRAWN BY: B.A.
CHECKED BY: R.P.
SCALE: NONE
DATE: 5/90
SHEET 8 OF 10

ENGINEER'S STAMP
STATE OF ALASKA
4918
D.F. Doerflinger
CE-7567
REGISTERED PROFESSIONAL ENGINEER

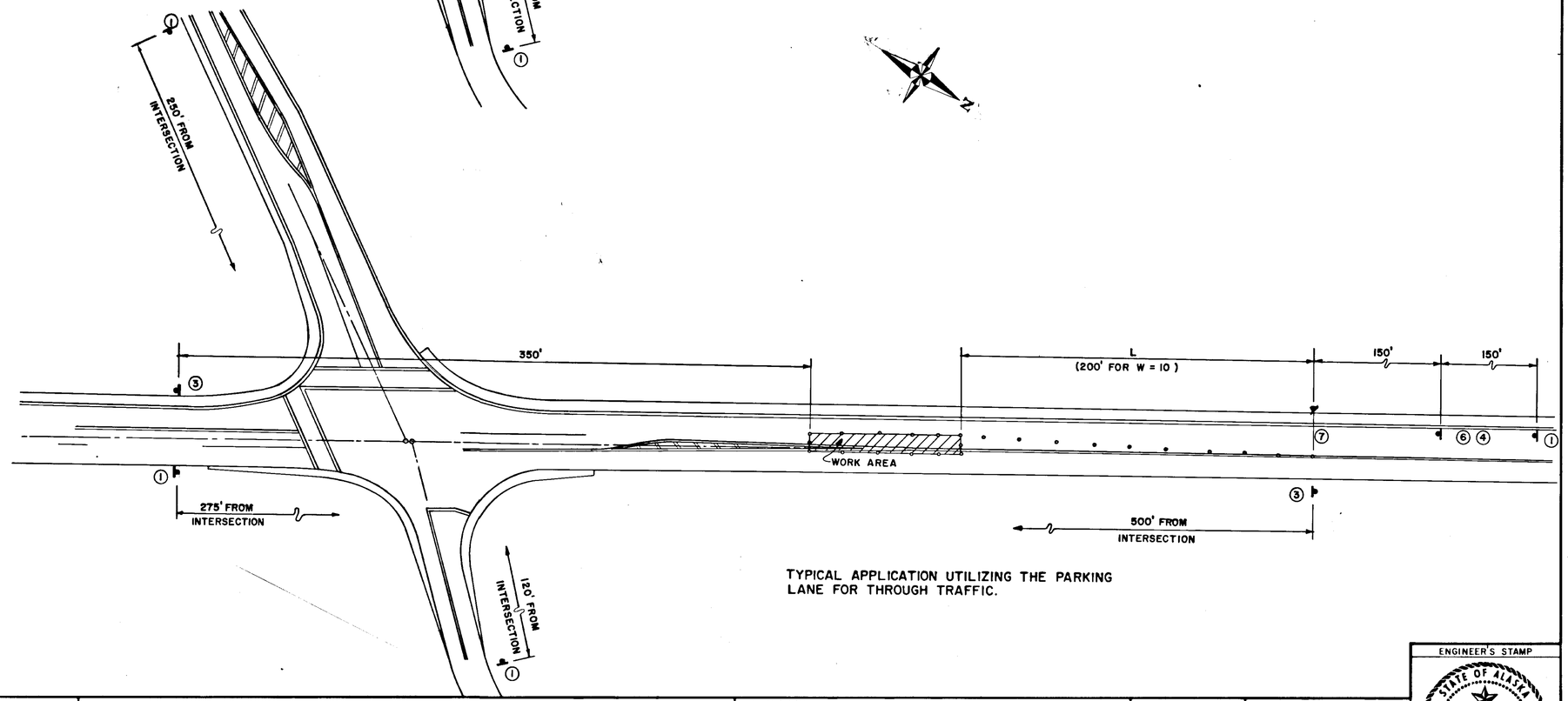
STANDARD SUPPLIES 11-1020



TYPICAL APPLICATION OF THROUGH LANE CLOSED WITH TWO-WAY OPERATION.

LEGEND

- FLAGPERSON
- II TYPE II BARRICADES
- ○ CHANNELIZING DEVICE OR TRAFFIC CONE
- ① ROAD CONSTRUCTION AHEAD
- ② ↱
- ③ END CONSTRUCTION
- ④ 20 M.P.H.
- ⑤ FLAGPERSON SYMBOL
- ⑥ ↱
- ⑦ NO PARKING
- ⑧ ONE LANE ROAD AHEAD



TYPICAL APPLICATION UTILIZING THE PARKING LANE FOR THROUGH TRAFFIC.

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

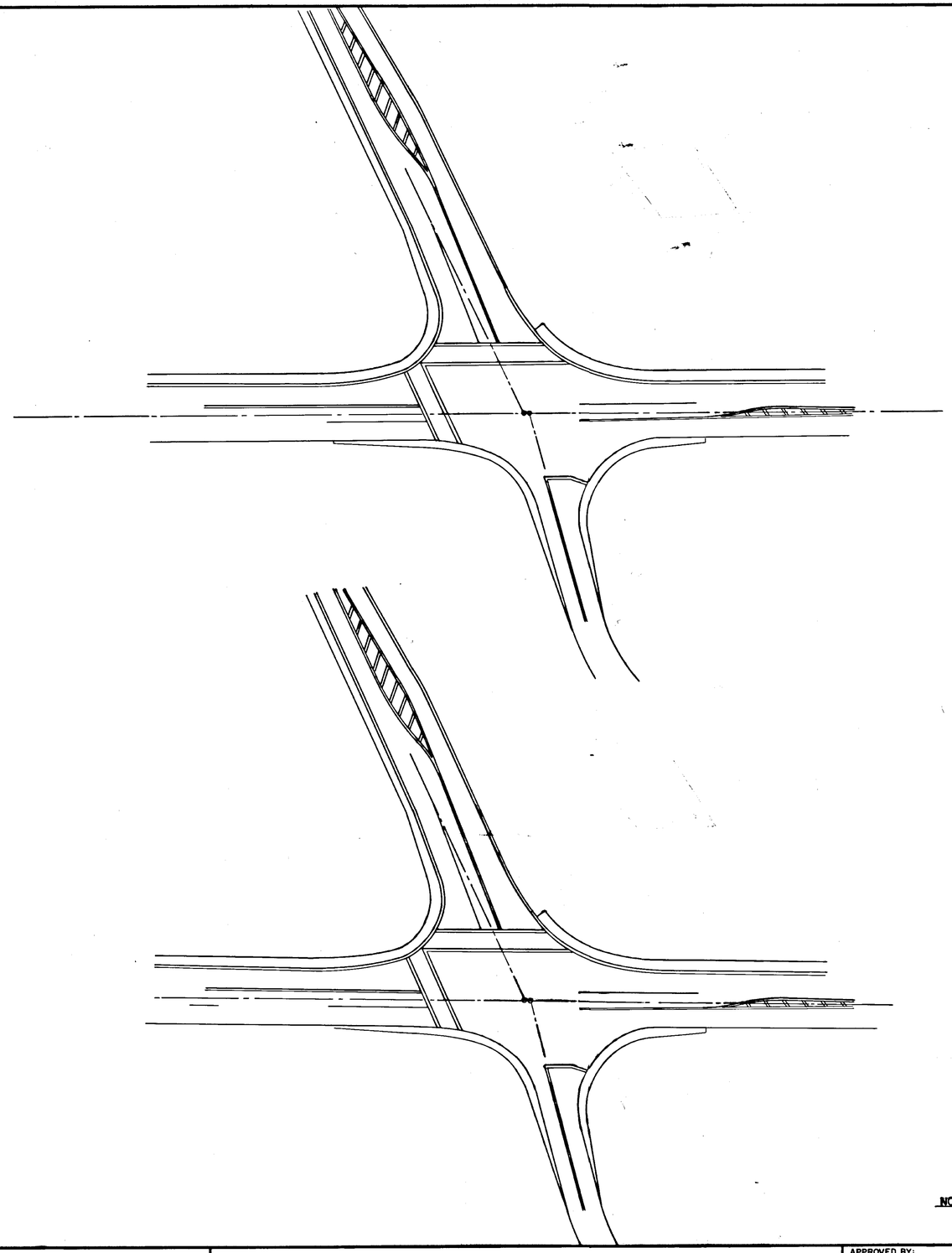
KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
TRAFFIC CONTROL PLAN

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP "" _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY: J.E.A.
DRAWN BY: B.A.
CHECKED BY: R.P.

SCALE: NONE
DATE: 5/90
SHEET 9 OF 10

ENGINEER'S STAMP
STATE OF ALASKA
4918
D.F. Doerflinger
CE-7567
REGISTERED PROFESSIONAL ENGINEER



NOTE: THIS SHEET INTENDED FOR ALTERNATE T.C.P. PLANS BY THE CONTRACTOR.

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

KATLIAN AVENUE / HALIBUT POINT ROAD SIGNAL
HES-099-3(2) 70313
TRAFFIC CONTROL PLAN

APPROVED BY: _____ DESIGN GROUP CHIEF _____ DATE
RECOMMENDED BY: _____ DESIGN ENGINEER, GROUP _____ DATE
PREPARED BY: _____ PROJECT MANAGER _____ LEAD DESIGNER

DESIGNED BY:	SCALE:
J.E.A.	NONE
DRAWN BY:	DATE:
B.A.	5/90
CHECKED BY:	SHEET 10 OF 10
R.P	

ENGINEER'S STAMP

A/E SUPPLIED 11469