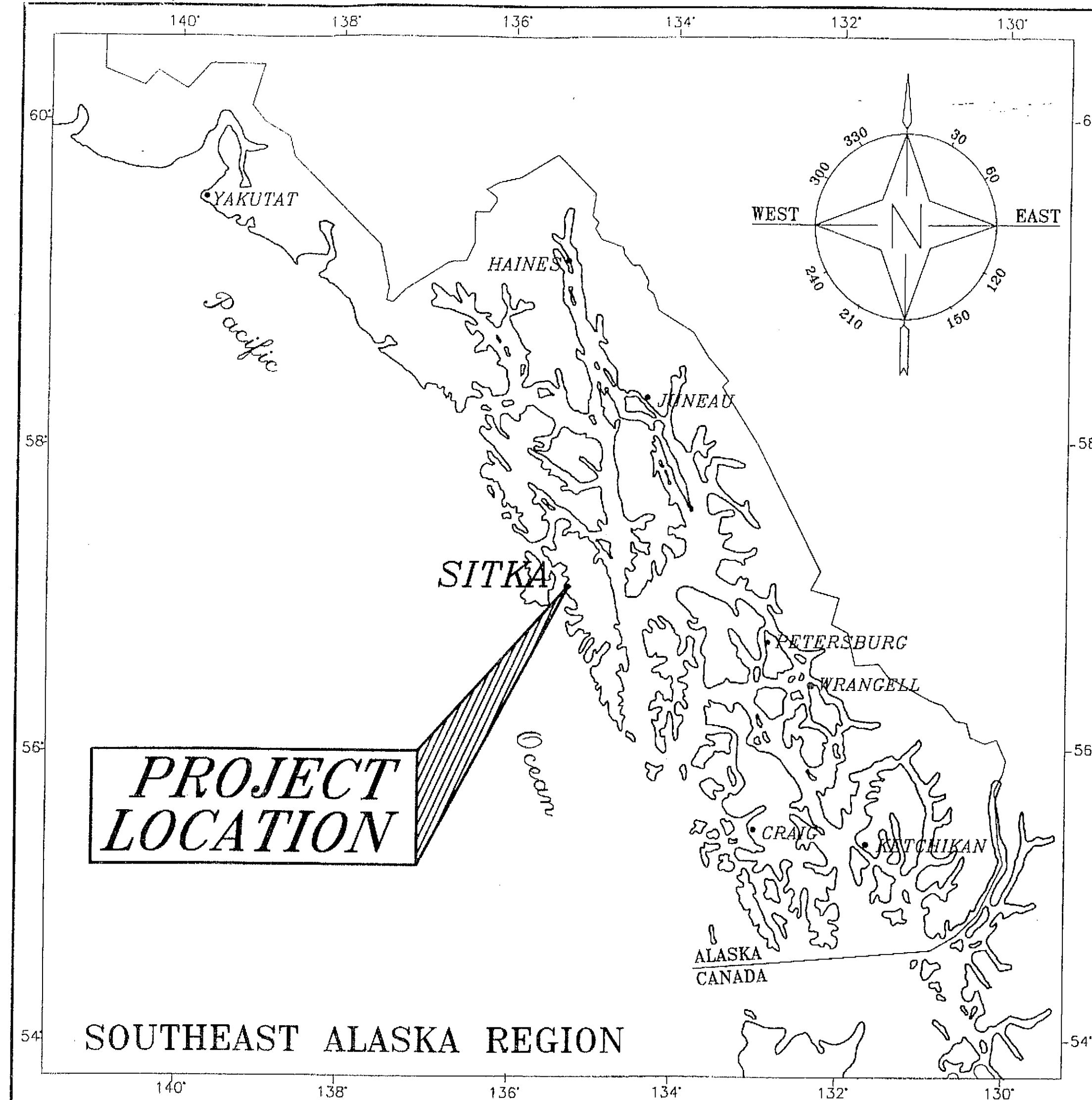




ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
202 (1)	Removal of Structures and Obstructions	Lump Sum	All Req'd
401 (4)	Asphalt Concrete, Type II, Class B	Square Yard	1592 1542
402 (1)	STE-1 Asphalt for Tack Coat	Ton	.88 1
408 (1)	Pavement Cold Planing	Square Yard	1592 1530
608 (1a)	Concrete Sidewalk, 4 Inches Thick	Square Yard	201 154
608 (6)	Curb Ramp	Each	4
609 (2)	Curb and Gutter, Type 1	Linear Foot	149 145
615 (1)	Standard Sign	Square Foot	96.24
615(2)	Remove and Relocate Existing Sign	Each	1
640 (1)	Mobilization and Demobilization	Lump Sum	All Req'd
641 (1)	Erosion and Pollution Control Administration	Lump Sum	All Req'd
641 (2)	Temporary Erosion and Pollution Control	Contingent Sum	All Req'd
642 (1)	Construction Surveying	Lump Sum	All Req'd
643 (2)	Traffic Maintenance	Lump Sum	All Req'd
643 (3)	Permanent Construction Signs	Lump Sum	All Req'd
643(15)	Flagging	Contingent Sum	All Req'd
643(25)	Traffic Control	Contingent Sum	All Req'd
660 (1)	Traffic Signal System Complete	Lump Sum	All Req'd
660 (3)	Highway Lighting System Complete	Lump Sum	All Req'd
660(14)	Additive Alternate Decorative Signal Pole	Lump Sum	All Req'd
660(15)	Signal Cabinet Shop Testing	Contingent Sum	All Req'd
661 (1)	Load Center, Type 1	Each	1
670(10)	Methyl Methacrylate Pavement Markings	Lump Sum	All Req'd

Curb, Gutter and Sidewalk Notes:

- As-built Existing Curb, Gutter and Sidewalk Locations and Radii Prior to Removal.
- Sawcut, then Remove, Existing Curb, Gutter and Sidewalk at the Locations Shown on the Plans. If an Existing Joint is within 2' of a Listed Sawcut, Remove at Joint Instead of Sawcutting.
- After Installation of Signal System Components, Construct new Curb, Gutter and Sidewalk to Match the As-builts with New Curb Ramps of the Type and at the Locations Shown on the Plans.
- A Minimum of 4" Bed Course will be Placed Under All New Curb, Gutter and Sidewalk.

CURB RAMP SUMMARY				
RAMP	STATION	STATION		COMMENTS
		LEFT	RIGHT	
Ⓐ	"LA" 12+54.4	27.1'		Perpendicular See Std. Dwg. I-22.01
Ⓑ	"LA" 12+79.4		24.9'	Perpendicular See Std. Dwg. I-22.01
Ⓒ	"LA" 13+11.7	24.3'		Parallel See Std. Dwg. I-21.01
Ⓓ	"LA" 13+25.0		28.6'	Perpendicular See Std. Dwg. I-22.01

Note: Stations and Offsets are to the Face of Curb at the Midpoint of the Curb Ramp.

WORK ITEM TABLE - SEE SHEET F1		
NO.	STATION	WORK
①	"LA" 11+91, RT.	Sawcut Existing Sidewalk
②	"LA" 11+92, RT.	Remove Portion of Existing Rockery Wall as Required to Make Room for New Load Center
③	-	Remove and Replace Existing Sidewalk Between Back of Curb to Joint of Parallel Sidewalk to Remain
④	"LA" 12+67, RT.	Sawcut Existing Curb and Gutter
⑤	-	Sawcut and Remove Existing Sidewalk and Curb and Gutter as Required to Install Signal System
⑥	"LI" 4+29, RT.	Sawcut Existing Curb and Gutter
⑦	"LA" 12+42, LT.	Sawcut Existing Curb, Gutter and Sidewalk
⑧	-	Remove and Replace Existing Curb, Gutter and Sidewalk
⑨	"LI" 3+35, RT.	Sawcut Existing Curb, Gutter and Sidewalk
⑩	"LI" 3+64, LT.	Sawcut Existing Curb, Gutter and Sidewalk
⑪	-	Remove and Replace Existing Curb, Gutter and Sidewalk Between Sawcuts
⑫	"LA" 13+29, LT.	Sawcut Existing Curb and Gutter
⑬	"LA" 13+38, LT.	Sawcut Existing Sidewalk
⑭	"LI" 4+45, LT.	Sawcut Existing Curb, Gutter and Sidewalk
⑮	-	Sawcut into Decorative Sidewalk Only as much as Needed to Construct New Curb Ramp and Signal Pole, Remove Existing Curb, Gutter and Sidewalk
⑯	"LA" 13+46.5, RT.	Sawcut Existing curb, Gutter and Sidewalk

ESTIMATING FACTORS		
ITEM	PAY ITEM	ESTIMATING FACTOR
402 (1)	STE-1 Asphalt for Tack Coat	0.1 Gal./S.Y., 256 Gal./Ton

REMOVAL OF STRUCTURES AND OBSTRUCTIONS			
STATION	OFFSET		REMARKS
	LEFT	RIGHT	
All Items	X	X	Remove and Dispose of Existing Features Identified in Work Item Table.
"LA" 12+49	40.3'		Remove Existing Stop Sign, Post and Sleeve.
"LA" 12+60		28.7'	Remove Existing stop Sign, Post and Sleeve. Sleeve may be Cut Flush with Existing Pavement. Patch Hole as Directed.
"LA" 13+30	30.9'		Remove Existing Stop Sign, Post and Sleeve.
"LA" 13+27		47.2'	Remove Existing stop Sign, Post and Sleeve. Fill Hole with Tamped Bed Course Material to within 4" of Surface, Patch Hole with Concrete Matching Surrounding Pattern.
"LA" 13+15	30.7'		Remove Existing Electrolier Pole and Foundation.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. *D. Stevens*

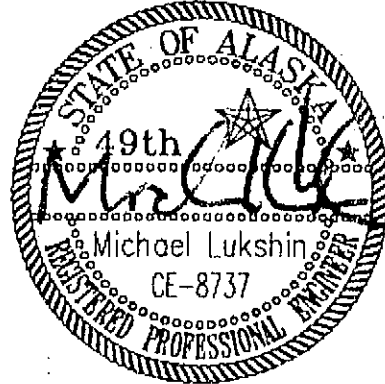
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

ESTIMATE OF QUANTITIES

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN
Date: 3/16
DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

ESTIMATE OF QUANTITIES	
PROJECT DESIGNATION NUMBER	
ACHHE-000S(487)-67960	
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
C1	16

SIGNAL CABINET SUMMARY			
NO.	STATION	OFFSET	REMARKS
1	13+35	31' LT.	

JUNCTION BOX SUMMARY				
NO.	STATION	OFFSET	TYPE	REMARKS
1	12+48	26' LT.	III	
2	13+06	32' LT.	II	
3	13+24	24' LT.	III	
4	13+23	39' RT.	II	
5	12+80	32' RT.	II	
6	12+66	25' RT.	II	

SIGNAL POLE SUMMARY				
POLE No.	STATION	OFFSET	MAST ARM LENGTH	REMARKS
1	12+50	36' LT.	-	TYPE A FOUNDATION, POST MOUNT WITH BREAKAWAY BOLTS
2	13+17	32' LT.	23'	
3	13+41.5	31' RT.	28'	
4	12+78	35' RT.	28' & 52'	TWO MAST ARMS, COMBINATION POLE

SIGNAL HEAD SUMMARY							
SIGNAL HEAD NO.	POLE	PHASE	INDICATION	LENS SIZE	MOUNTING TYPE	FACING	REMARKS
1	4	2	R-Y-G	12"	PLUMBIZER	SB	
2	1	2	R-Y-G	12"	T-1	SB	
3	1	8	PED. SYMBOL		CLAMSHELL MOUNT	EB	
4	1	2	PED. SYMBOL		CLAMSHELL MOUNT	SB	
5	2	4	R-Y-G	12"	PLUMBIZER	EB	
6	2	4	R-Y-G	12"	S-1	EB	
7	2	2	PED. SYMBOL		CLAMSHELL MOUNT	NB	
8	2	4	PED. SYMBOL		CLAMSHELL MOUNT	EB	
9	3	6	R-Y-G	12"	PLUMBIZER	NB	
10	3	6	R-Y-G	12"	S-1	NB	
11	3	4	PED. SYMBOL		CLAMSHELL MOUNT	WB	
12	3	6	PED. SYMBOL		CLAMSHELL MOUNT	NB	
13	4	8	R-Y-G	12"	PLUMBIZER	WB	
14	4	8	R-Y-G	12"	S-1	WB	
15	4	8	PED. SYMBOL		CLAMSHELL MOUNT	SB	
16	4	8	PED. SYMBOL		CLAMSHELL MOUNT	EB	

SIGNAL HEAD NOTES:

- ALL RED, GREEN AND PEDESTRIAN SIGNAL HEADS SHALL BE LED TYPE HEADS.
- ALL YELLOW HEADS SHALL BE INCANDESCENT.

LOOP DETECTOR SUMMARY							
FIELD DETECTOR No.	LOOP DETECTOR		390 CJ CONTROLLER		FUNCTION TYPE	SIZE	REMARKS
	DET. AMP. No.	CHAN. No.	CHAN. No.	PHASE			
211	1	1	Veh 2	2	Veh	6'x6'	211-215 CONNECTED IN SERIES, SEE TYPICAL WIRING DETAILS.
212	1	1	Veh 2	2	Veh	6'x6'	
213	1	1	Veh 2	2	Veh	6'x6'	
214	1	1	Veh 2	2	Veh	6'X6'	
215	1	1	Veh 2	2	Veh	6'x6'	
221	1	2	Aux 2	2	Veh	6'x6'	QUEUE DETECTOR
411	1	3	Veh 4	4	Veh	6'x6'	411-415 CONNECTED IN SERIES, SEE TYPICAL WIRING DETAILS.
412	1	3	Veh 4	4	Veh	6'x6'	
413	1	3	Veh 4	4	Veh	6'x6'	
414	1	3	Veh 4	4	Veh	6'x6'	
415	1	3	Veh 4	4	Veh	6'x6'	
611	2	1	Veh 6	6	Veh	6'x6'	611-615 CONNECTED IN SERIES, SEE TYPICAL WIRING DETAILS.
612	2	1	Veh 6	6	Veh	6'x6'	
613	2	1	Veh 6	6	Veh	6'x6'	
614	2	1	Veh 6	6	Veh	6'X6'	
615	2	1	Veh 6	6	Veh	6'x6'	
621	2	2	Aux 6	6	Veh	6'x6'	811-815 CONNECTED IN SERIES, SEE TYPICAL WIRING DETAILS.
811	2	3	Veh 8	8	Veh	6'x6'	
812	2	3	Veh 8	8	Veh	6'x6'	
813	2	3	Veh 8	8	Veh	6'x6'	
814	2	3	Veh 8	8	Veh	6'X6'	
815	2	3	Veh 8	8	Veh	6'x6'	QUEUE DETECTOR Defect 00#1
821	2	4	Aux 8	8	Veh	6'x6'	

NOTES:

- EACH LOOP SHALL HAVE IT'S OWN SEPARATE LEAD-IN CABLE.
- USE 6-PAIR MULTI-CONDUCTOR LEAD-IN CABLE. EACH LOOP SHALL HAVE ITS OWN SEPARATE PAIR.
- LOOPS SHALL BE CENTERED IN LANES.
- SEE STANDARD DRAWING T-32.10 FOR LOOP DETECTOR INSTALLATION.

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ATTACHMENT NUMBER

RECORD OF REVISIONS

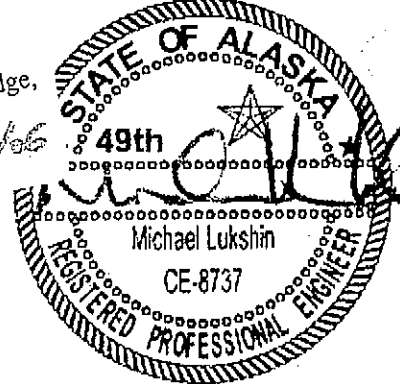
No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SUMMARY TABLES

DESIGNED BY: R. PURVES

Project As Built Drawings Have Been
Reviewed By The Project Engineer &
Represent, To The Best Of My Knowledge,
The Project As Constructed.
Date 7/26/06
Proj. Eng. *D. Lukshin*



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SUMMARY TABLES

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)-67960

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
D1	16

ELECTROLIER SUMMARY		
POLE NO.	MASTARM	REMARKS
2	15'	
3	15'	
4	15'	NORTH DIRECTION
4	15'	WEST DIRECTION

- NOTE:
- LUMINAIRES SHALL BE 250 W HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF, TYPE III WITH A MAGNETIC REGULATOR BALLAST.

SUMMARY OF LOAD CENTER: 1				
LOAD CENTER TYPE 1				
LOCATION DATA: "LA" 11+90, 32.00' RT.				
LOAD CENTER: POWER SOURCE: POWER POLE, TRANSFORMER NEXT TO LOAD CENTER PHOTOELECTRIC CONTROL: YES				
SERVICE VOLTAGE	1 PHASE,	3-WIRE,	120/240	VOLTS, 60 Hz.
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED			10,000 AIC	
PROVIDE METER SOCKET?	YES	SERVICE AMPS		125
MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES				
CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES				
LOAD PANEL A SUMMARY				
CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER	
			AMPS	POLES
A1	PHOTO ELECTRIC CONTROL	0.10	15A	2
A2	TRAFFIC SIGNAL SYSTEM	5.54	50A	1
A3	INTERSECTION LIGHTING	0.30	15A	2
A4	SPARE	-	20A	2
A5	SPARE	-	20A	2
A6	SPACE	-	-	-
TOTAL DEMAND LOAD:		5.94		

LOAD CENTER SUMMARY			
NO.	STATION	OFFSET	REMARKS
1	"LA" 11+90.00	32' RT.	OWNER IS DOT/PF

Project As Built Drawings Have Been
Reviewed By The Project Engineer &
Represent, To The Best Of My Knowledge,
The Project As Constructed.
Proj. Eng. *b. Stevens* Date *3/06*

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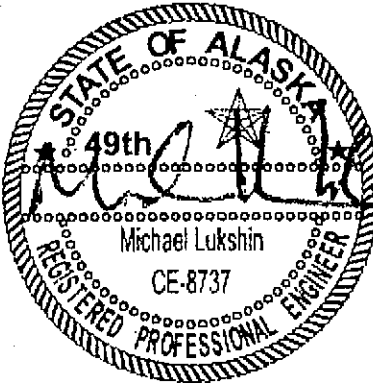
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SUMMARY TABLES

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SUMMARY TABLES

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)~67960

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
D2	16

LEGEND

WORK ITEMS - SEE SHT. C1 FOR SUMMARY TABLE

* PAVEMENT COLD PLANING AREA

* NEW CONCRETE CURB, GUTTER AND SIDEWALK

* AREAS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT.

NOTE:

- HANDWORK REQUIRED AROUND EXISTING APPURTENANCES (VALVES, MANHOLES, MONUMENTS, ETC.) PER THE ENGINEER. PAVEMENT FOR THIS WORK IS COVERED UNDER SPECIAL PROVISION SECTION 408.

INTERSECTION

STA. "LA" 12+96.88
STA. "LI" 3+95.77

"LI" LINE

$\Delta=28^{\circ}03'28.37"$
R=229.18
L=112.23
T=57.26

STA. "LI" 2+88
BEGIN LINCOLN ST.
PAVEMENT COLD
PLANING

NEW CURB RAMP. SEE
SUMMARY TABLE, SHT. C1,
FOR STATION, OFFSET AND
TYP. (TYP.)

STA. "LA" 11+90
BEGIN LAKE ST.
PAVEMENT COLD PLANING

STA. "LA" 13+95
END LAKE ST.
PAVEMENT COLD PLANING

STA. "LI" 5+07
END LINCOLN ST.
PAVEMENT COLD PLANING

STA. "LI" 5+07, 15.2' RT.

Project As Built Drawings Have Been
Reviewed By The Project Engineer &
Represent To The Best Of My Knowledge,
The Project As Constructed.
Date
Proj. Eng. *[Signature]*



NOTE: *poor New Expose Aggregat 5cm*
MATCH CONCRETE PATTERN
AFTER INSTALLING POLE #3

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No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

PAVEMENT, CURB, GUTTER &
SIDEWALK WORK
PLAN VIEW

DESIGNED BY: C. HAKARI



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

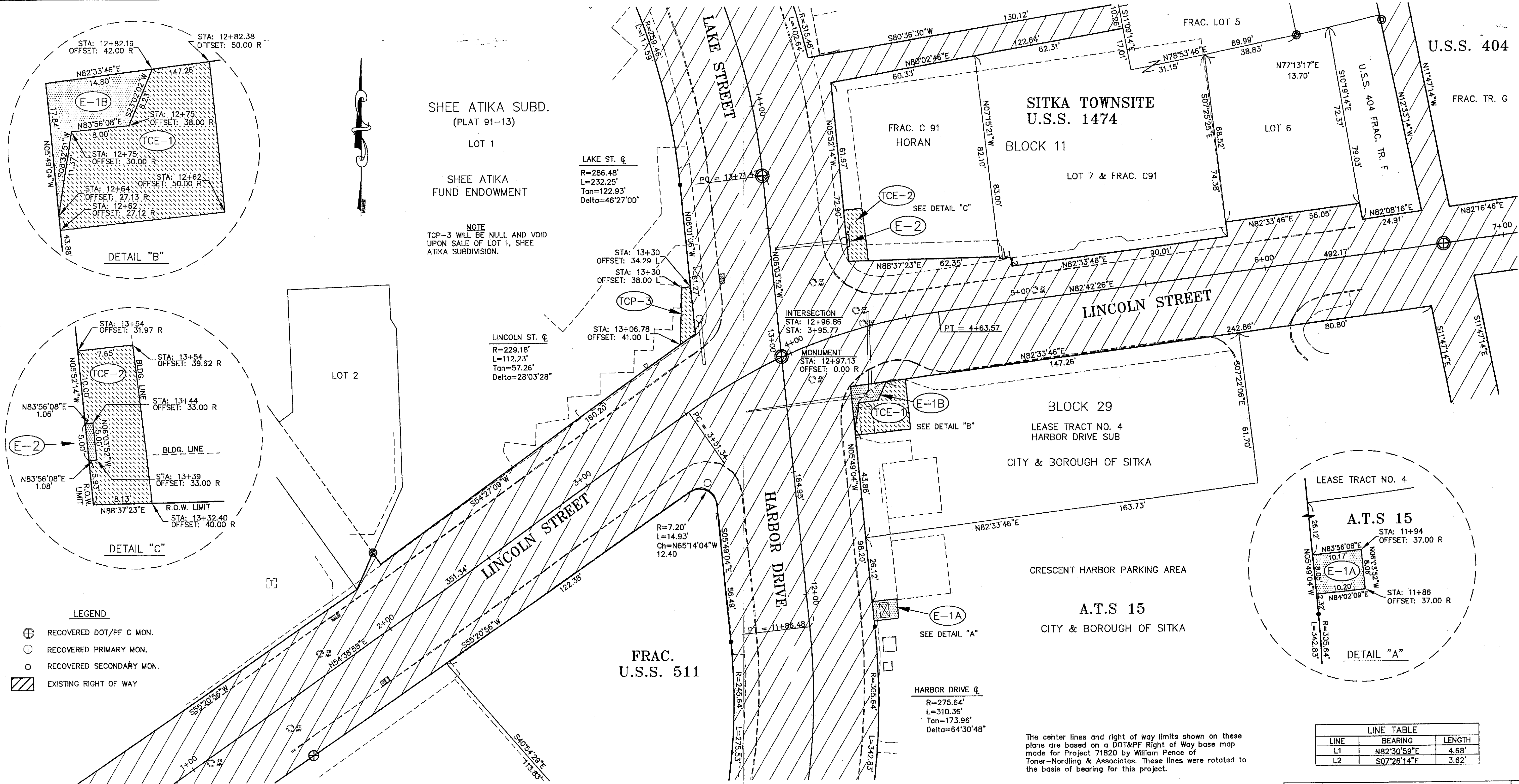
SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

PAVEMENT, CURB, GUTTER &
SIDEWALK WORK
PLAN VIEW

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)-67960

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F1	16

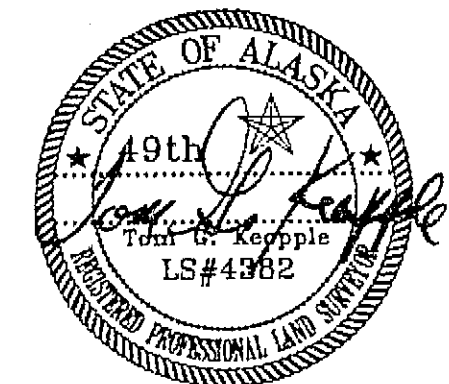


- LEGEND
- ⊕ RECOVERED DOT/PF C MON.
 - ⊕ RECOVERED PRIMARY MON.
 - RECOVERED SECONDARY MON.
 - ▨ EXISTING RIGHT OF WAY

EASEMENT	OWNER	AREA	PURPOSE
E-1A	CITY & BOROUGH OF SITKA	82 S.F.	TRAFFIC SIGNAL
E-1B	CITY & BOROUGH OF SITKA	105 S.F.	TRAFFIC SIGNAL
E-2	HORAN	5 S.F.	TRAFFIC SIGNAL

TEMPORARY CONSTRUCTION PERMIT			
TCP NO.	OWNER	AREA	PURPOSE
TCP-3	SHEE ATIKA FUND ENDOWMENT	108 S.F.	CONSTRUCTION ACCESS (SEE NOTE ABOVE)

TEMPORARY CONSTRUCTION EASEMENT			
TCE NO.	OWNER	AREA	PURPOSE
TCE-1	CITY & BOROUGH OF SITKA	354 S.F.	CONSTRUCTION ACCESS
TCE-2	HORAN	163 S.F.	CONSTRUCTION ACCESS



The center lines and right of way limits shown on these plans are based on a DOT&PF Right of Way base map made for Project 71820 by William Pence of Toner-Nordling & Associates. These lines were rotated to the basis of bearing for this project.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey 67960 dated 8-12-04 and that all dimensions and other details are accurate.

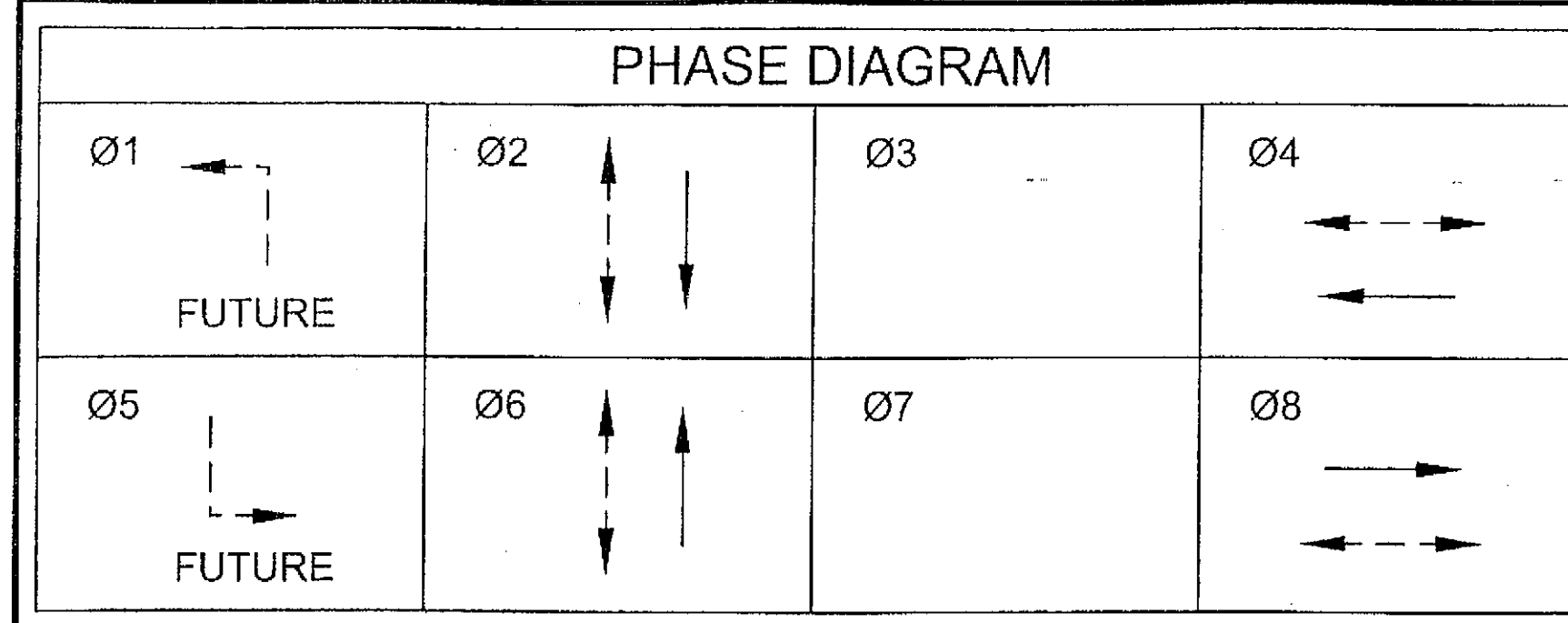
Tom G. Keopple LS-4382 8-12-04 Date

LINE TABLE		
LINE	BEARING	LENGTH
L1	N82°30'59"E	4.68'
L2	S07°26'14"E	3.62'

7/2004	CHANGE E-2, TCE-2	GY
7/2004	CHANGE TCE-3 TO TCP-3	GY
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
ACHHE-000S(487) 67960
SITKA - LAKE & LINCOLN SIGNALIZATION

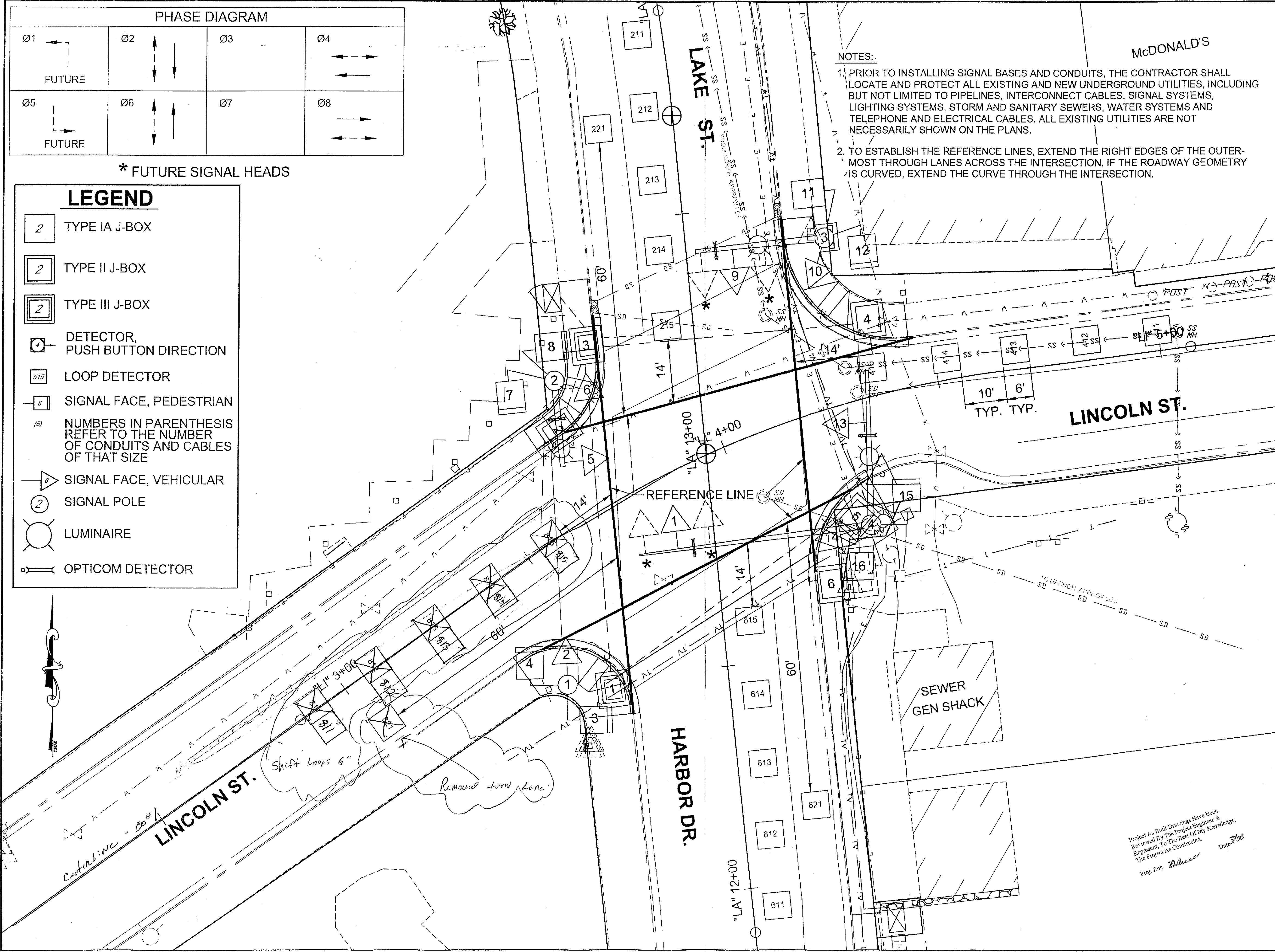
DRAWN ROW	DATE 6/2004	SCALE 1"=20'
CHECKED	DATE	SHEET R1 OF 16



* FUTURE SIGNAL HEADS

LEGEND

- 2 TYPE IA J-BOX
- 2 TYPE II J-BOX
- 2 TYPE III J-BOX
- 4 DETECTOR, PUSH BUTTON DIRECTION
- 515 LOOP DETECTOR
- 8 SIGNAL FACE, PEDESTRIAN
- (5) NUMBERS IN PARENTHESIS REFER TO THE NUMBER OF CONDUITS AND CABLES OF THAT SIZE
- 6 SIGNAL FACE, VEHICULAR
- 2 SIGNAL POLE
- LUMINAIRE
- OPTICOM DETECTOR



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TAB: SCHEDULE

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SIGNALIZATION PLAN VIEW

DESIGNED BY: R. PURVES

CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SIGNALIZATION PLAN VIEW

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)-67960

STATE	YEAR
ALASKA	2004

SHEET NUMBER	TOTAL SHEETS
S1	16

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. *D. Stevens* Date: 8/4/04

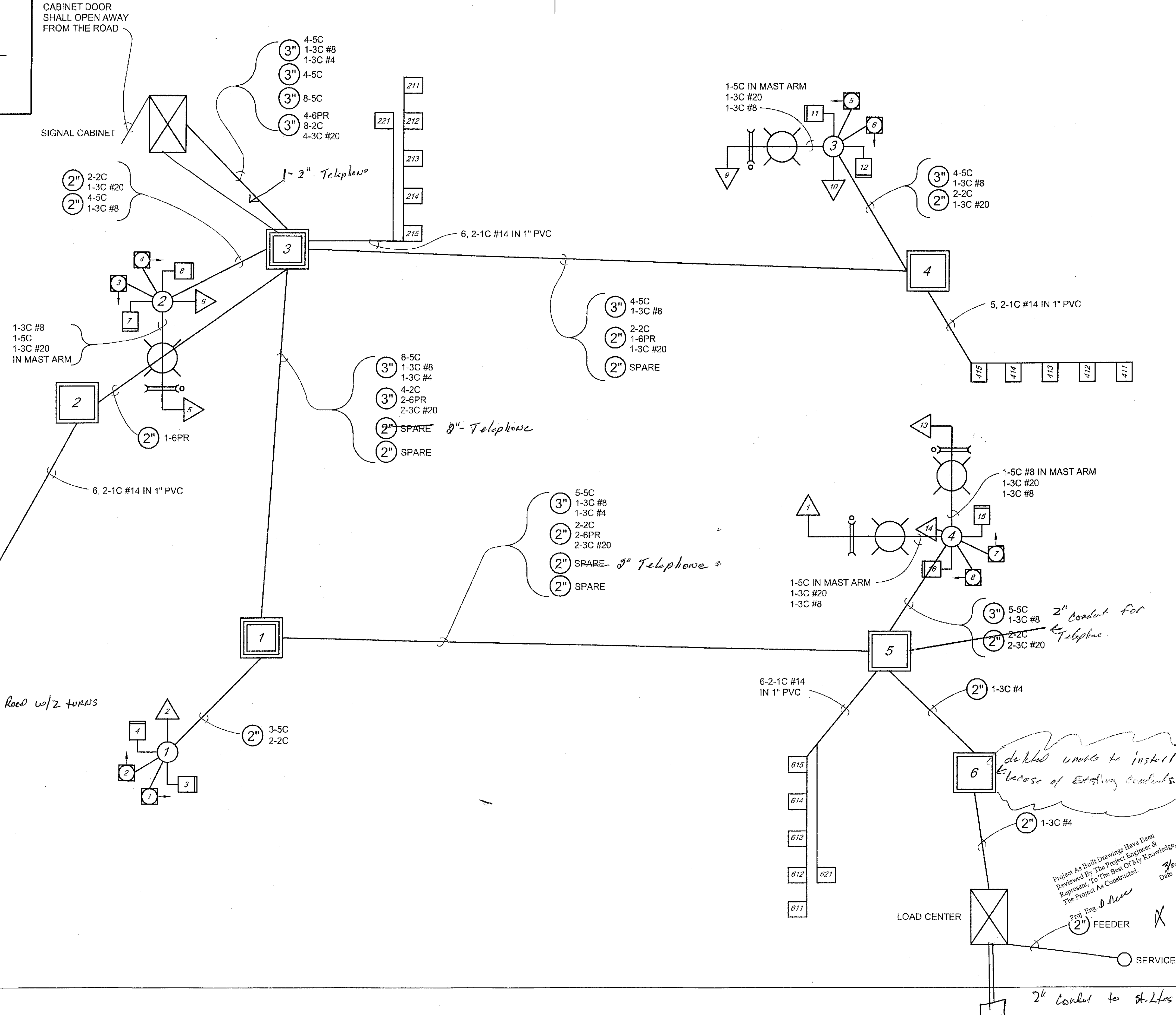
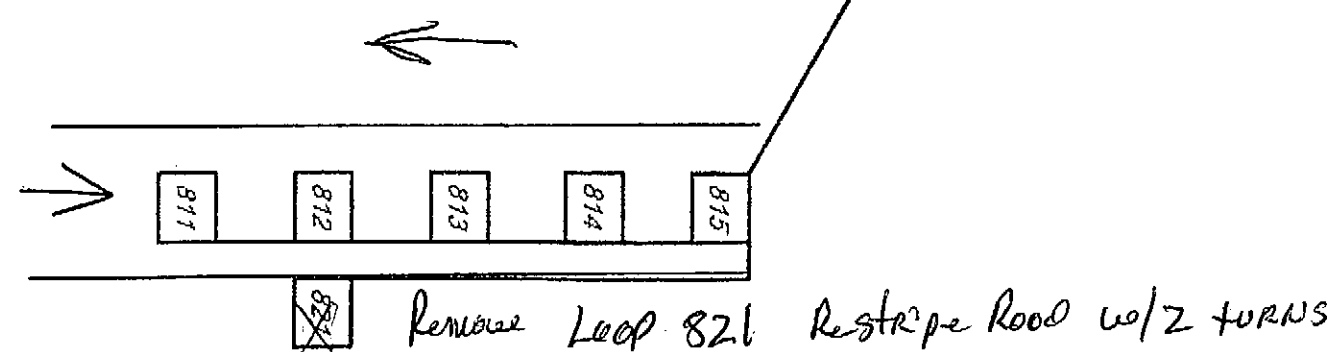
1C #14:	LOOP WIRES
2C #14:	LOOP LEAD-IN
2C:	PEDESTRIAN PUSH BUTTON
6PR:	MULTI-LOOP LEAD-IN
3C #20:	PROPRIETARY OPTICOM CABLE

5C: PEDESTRIAN AND STANDARD SIGNAL HEADS
7C: 5 SECTION SIGNAL HEADS

3C#X: LIGHTING OR SIGNAL POWER

THE NUMBER PRECEEDING THE CABLE DESIGNATION
INDICATES THE NUMBER OF CABLES TO BE INSTALLED.

	TYPE IA J-BOX
	TYPE II J-BOX
	TYPE III J-BOX
	DETECTOR, PUSH BUTTON DIRECTION
	LOOP DETECTOR
	SIGNAL FACE, PEDESTRIAN
	SIGNAL FACE, VEHICULAR
	RIGID METAL CONDUIT X^n= DIAMETER IN INCHES
	LUMINAIRE
	OPTICOM DETECTOR



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No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

WIRING SCHEMATIC

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

WIRING SCHEMATIC

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)~67960	
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
S2	16

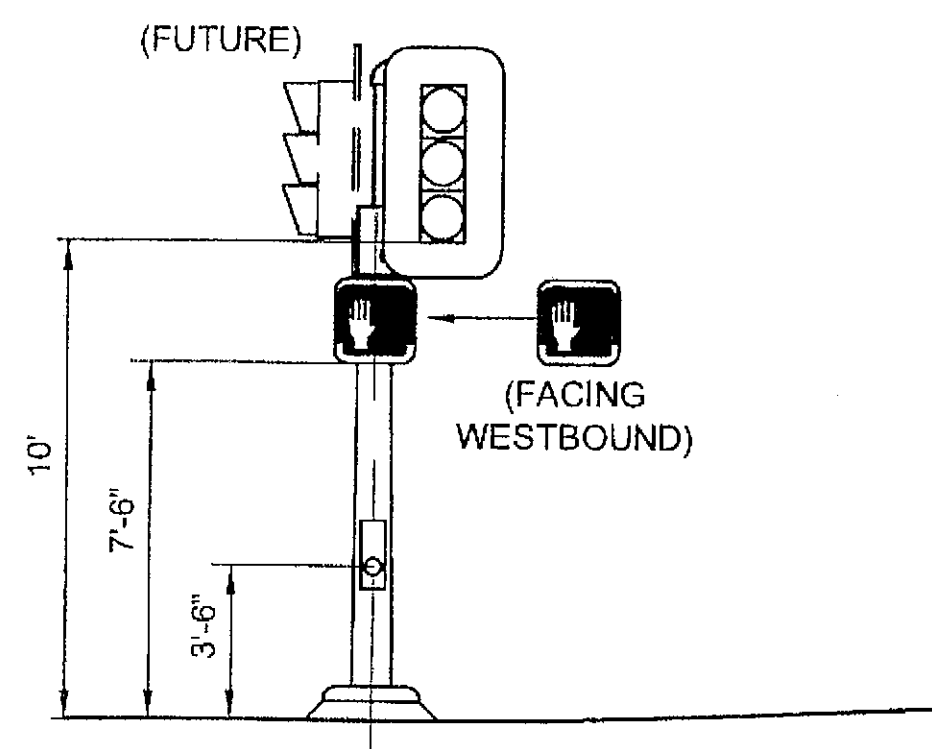
Project As Built Drawings Have Been
Reviewed By The Project Engineer &
Represent, To The Best Of My Knowledge
The Project As Constructed.

Proj. Eng. *J. H.*
(2") FEEDER *X*

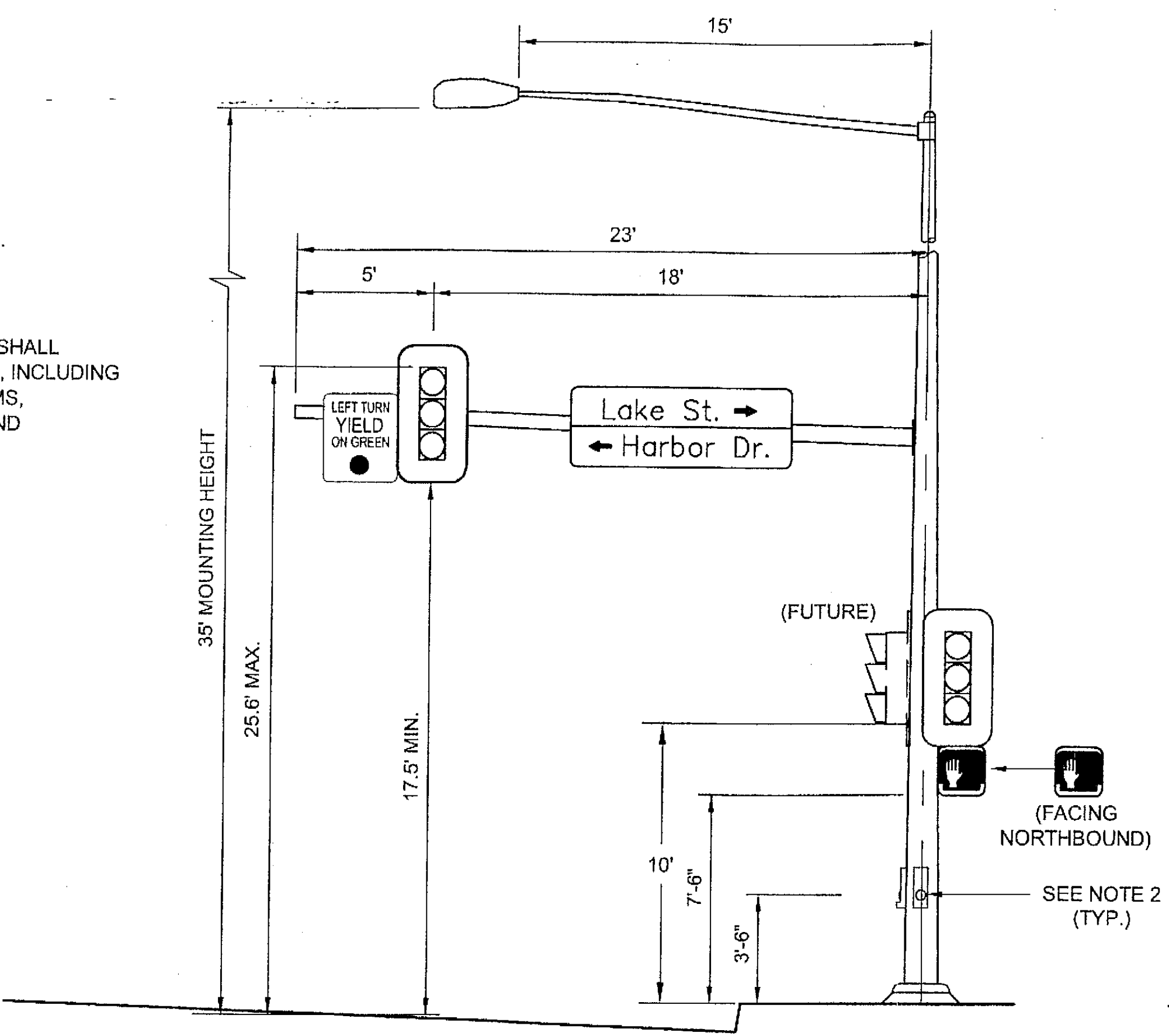
2nd cooled to st. Ltes on W. Harbor wa

NOTES:

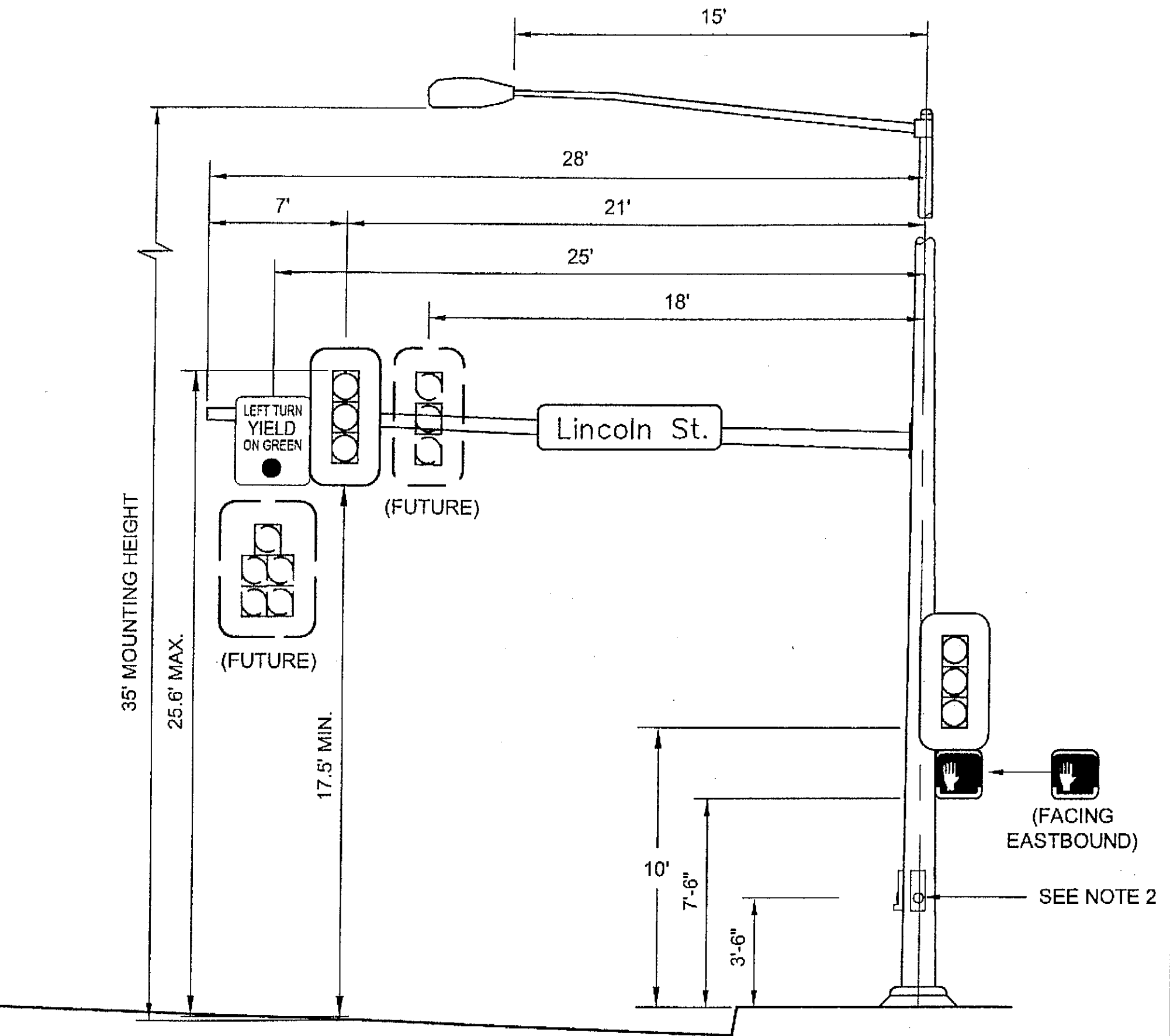
- 1. SIGNAL POLES, MAST ARMS (INCLUDING FUTURE HEADS) AND LUMINAIRES SHALL BE DESIGNED FOR 100 MPH WIND SPEED AND SHOP DRAWINGS SHALL BE STAMPED BY A REGISTERED ENGINEER.
- 2. THE 3'-6" DIMENSION IS TO THE CENTER OF THE BUTTON.
- 3. FOR FOUNDATION DETAILS, SEE STANDARD DRAWING T-52.15 AND T-31.00.
- 4. CENTER STREET NAME SIGNS OVER THE RESPECTIVE DIRECTION OF TRAFFIC PER THE ENGINEER.
- 5. PRIOR TO INSTALLING SIGNAL BASES AND CONDUITS, THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING AND NEW UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO PIPELINES, INTERCONNECT CABLES, SIGNAL SYSTEMS, LIGHTING SYSTEMS, STORM AND SANITARY SEWERS, WATER SYSTEMS AND TELEPHONE AND ELECTRICAL CABLES. ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS.



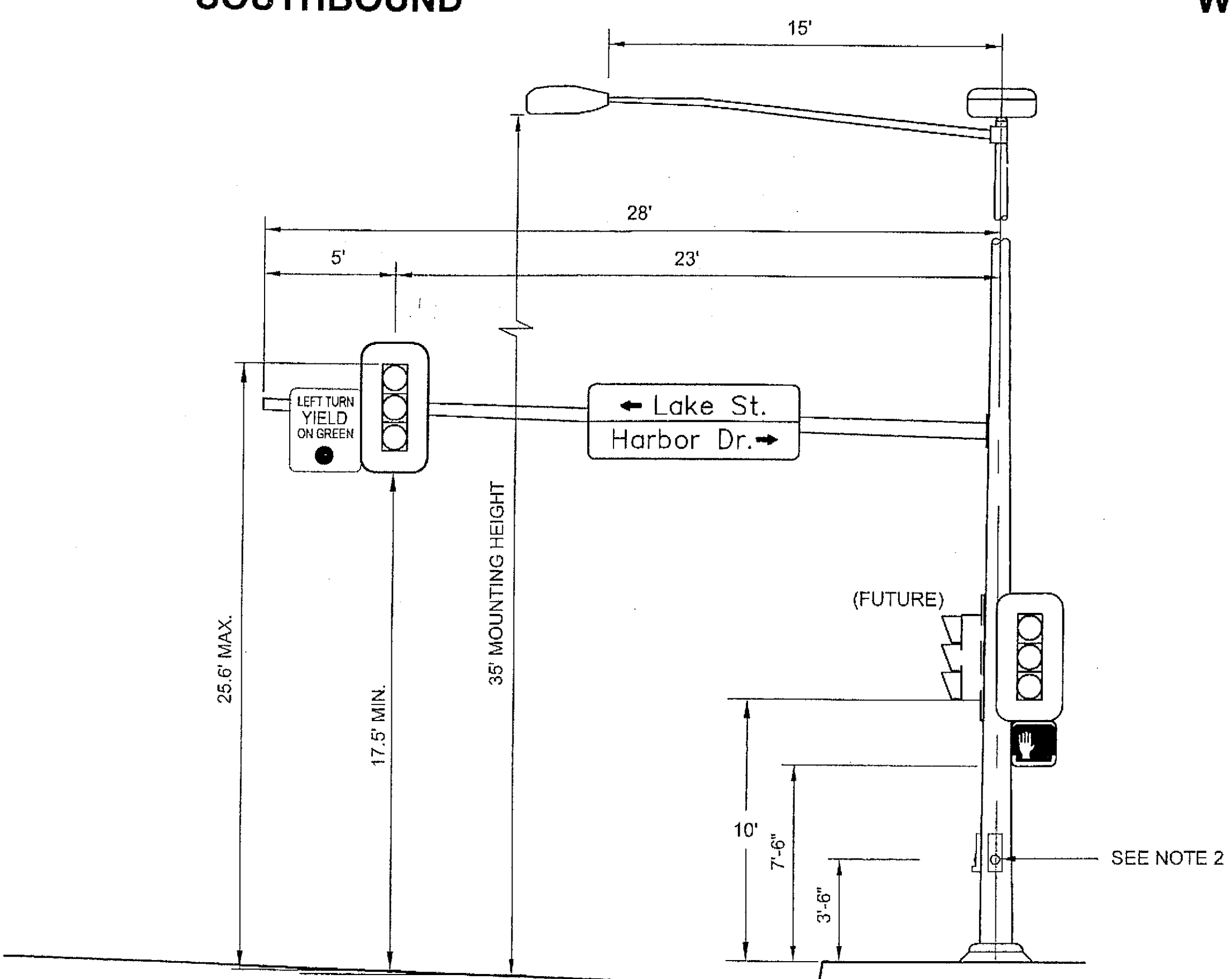
SIGNAL POLE NO. 1 DETAIL
SOUTHBOUND



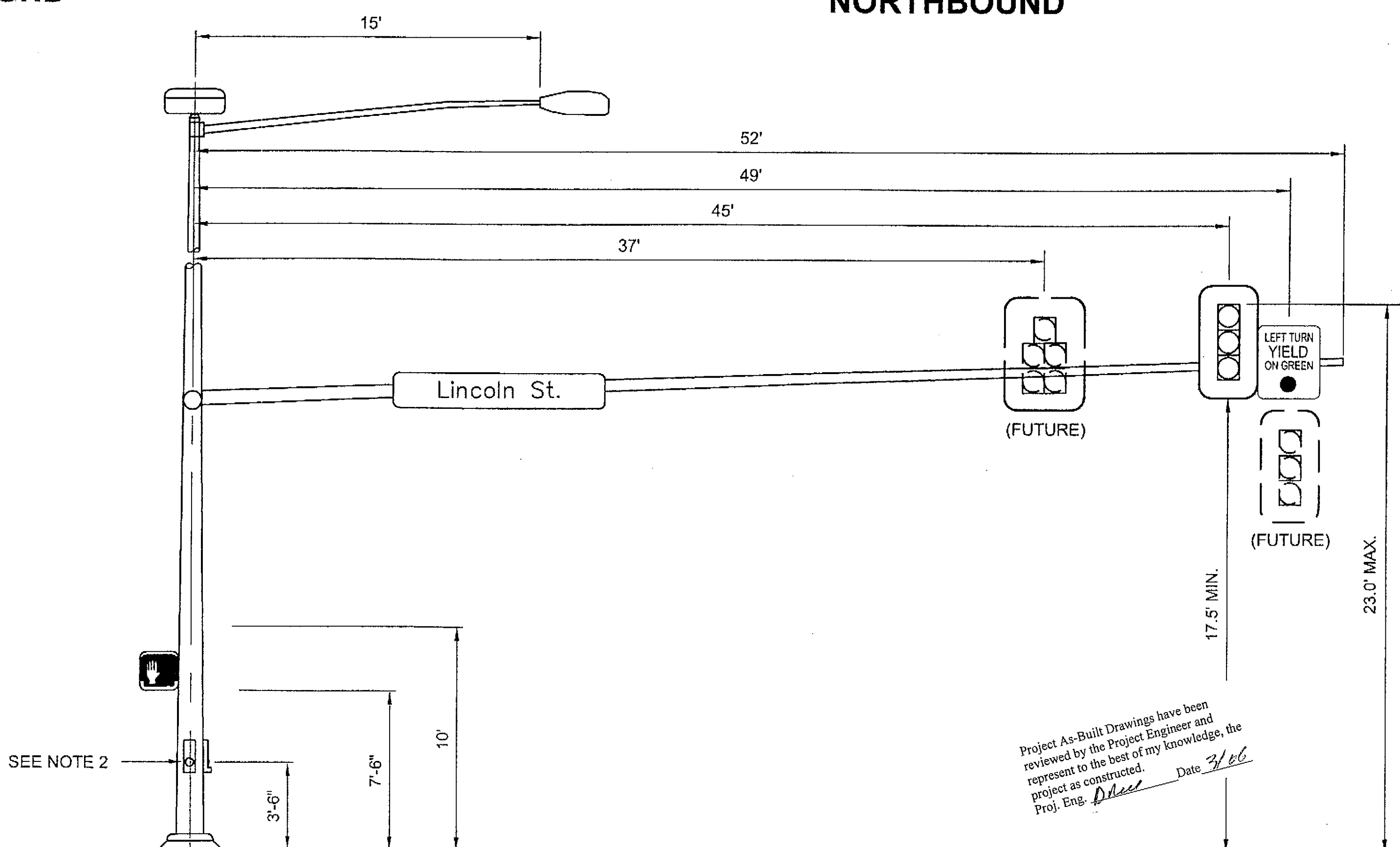
SIGNAL POLE NO. 2 DETAIL
WESTBOUND



SIGNAL POLE NO. 3 DETAIL
NORTHBOUND



SIGNAL POLE NO. 4 DETAIL
(EASTBOUND MASTARM)



SIGNAL POLE NO. 4 DETAIL
(SOUTHBOUND MASTARM)

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *3/16/06*

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TAB: SCHEDULE

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

POLE DETAILS

DESIGNED BY: R. PURVES

CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

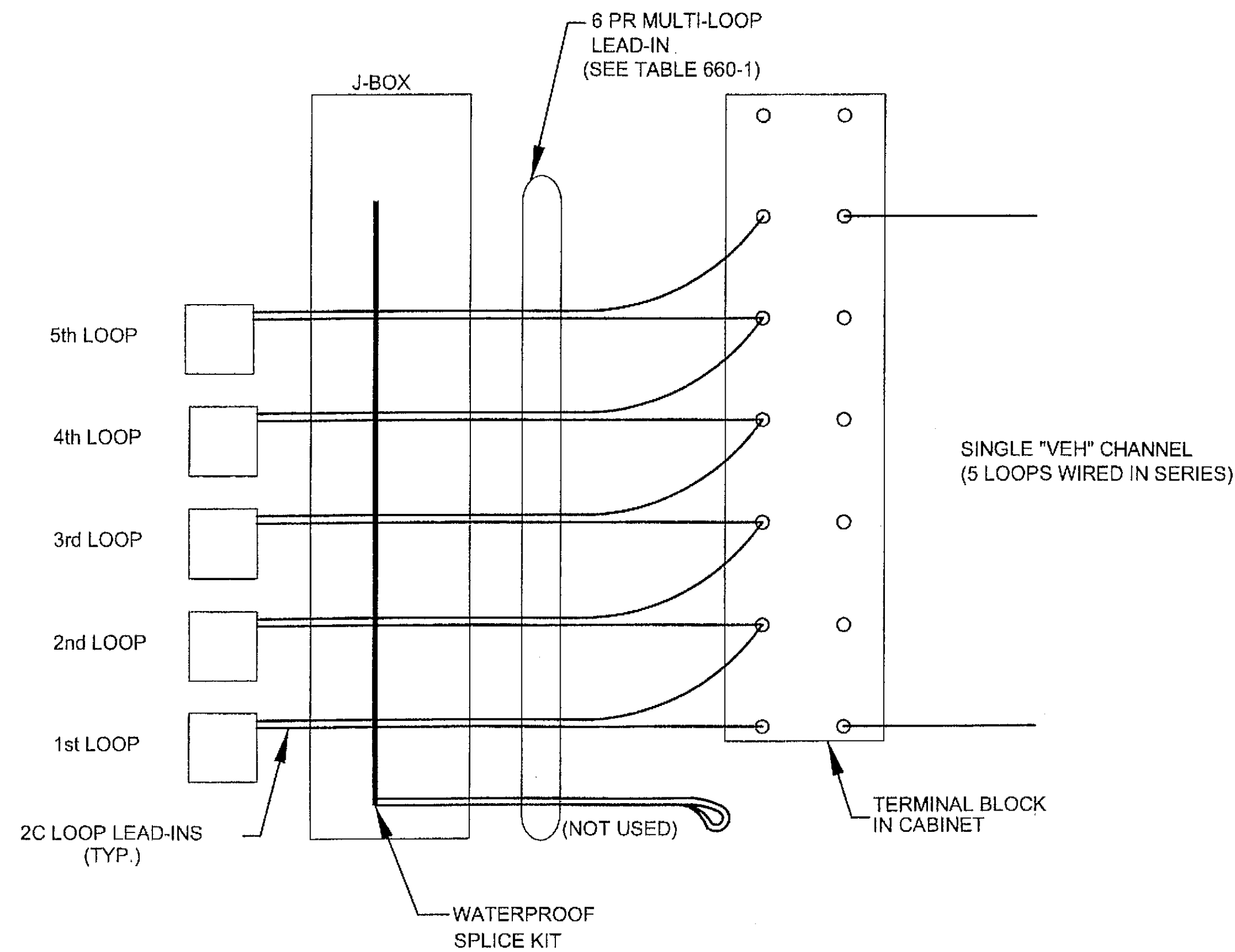
SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

POLE DETAILS

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)-67960

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
S3	16



TYPICAL LOOP LEAD-INS

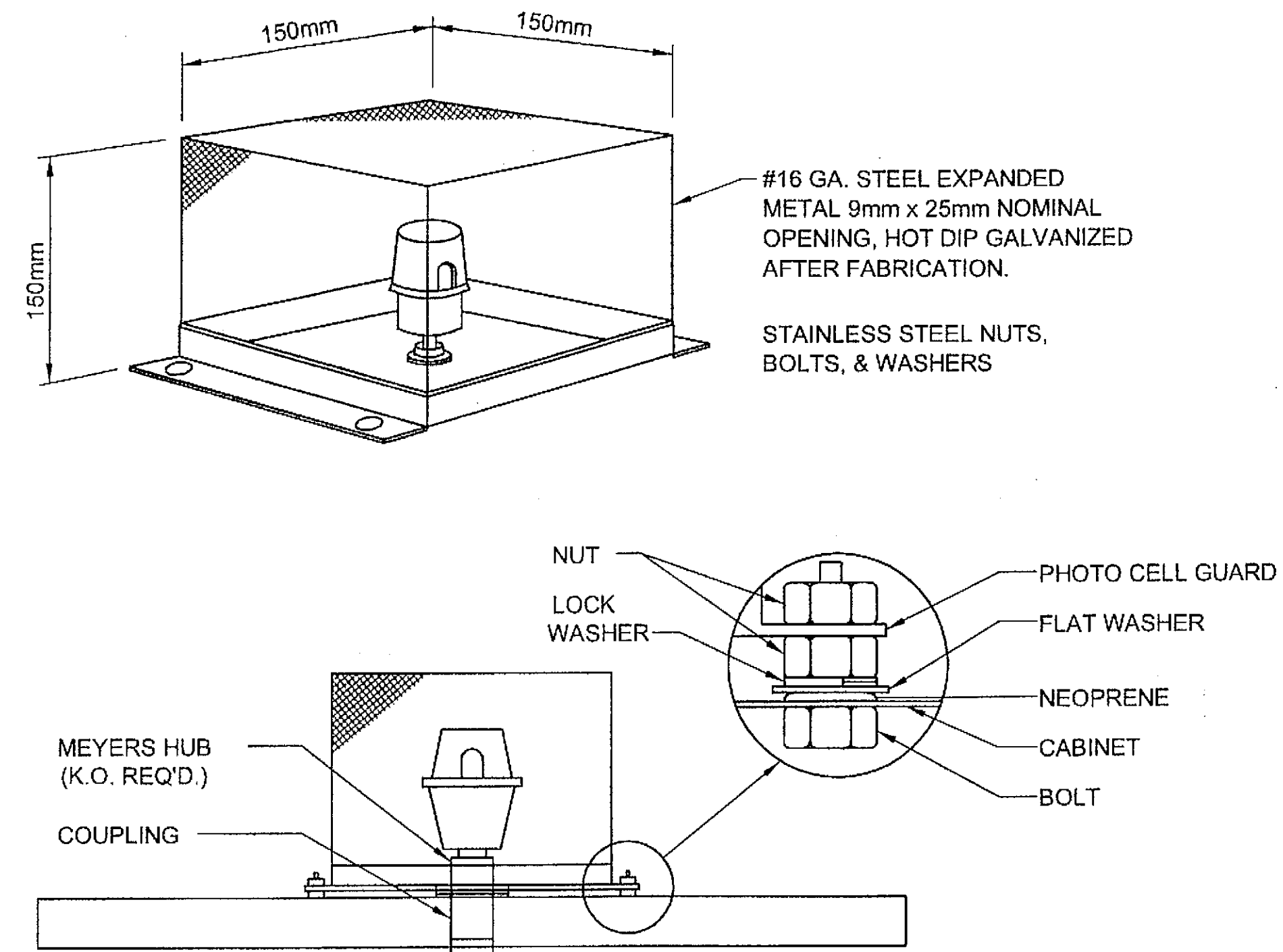


PHOTO CELL GUARD

1. ALTERNATIVELY, THE PHOTO CELL MAY BE INSTALLED INSIDE THE LOAD CENTER CABINET.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date *3/06*

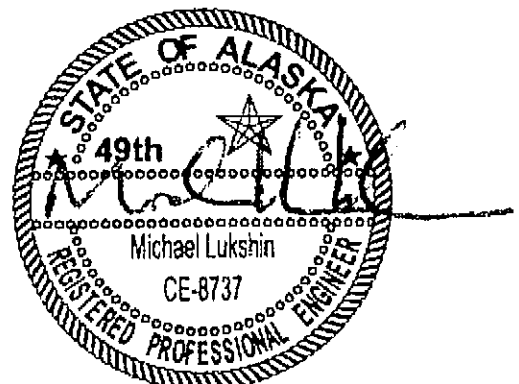
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
 TRAFFIC IMPROVEMENTS
 PROJECT No. 67960

SIGNAL DETAILS

DESIGNED BY: R. PURVES

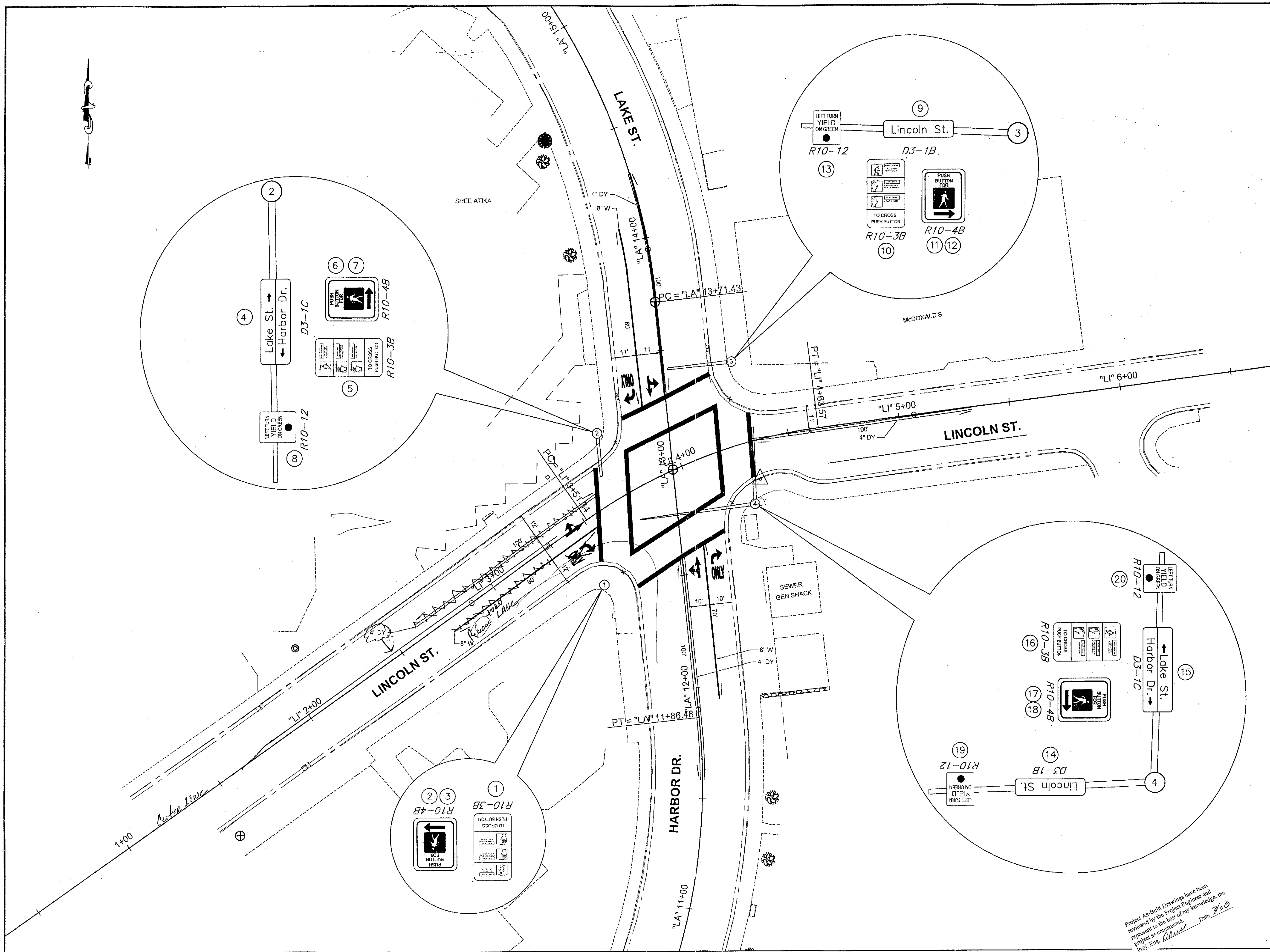


CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 STATEWIDE DESIGN & ENGINEERING
 SERVICES DIVISION
 SIT-LAKE & LINCOLN
 TRAFFIC IMPROVEMENTS
 PROJECT No. 67960

SIGNAL DETAILS	
PROJECT DESIGNATION NUMBER	
ACHHE-000S(487)-67960	
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
S4	16



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *[Signature]* Date *7/06*

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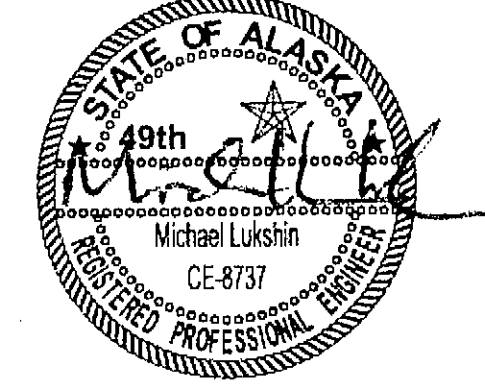
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SIGNING & STRIPING PLAN

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT No. 67960

SIGNING & STRIPING PLAN

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)-67960

STATE	YEAR
ALASKA	2004

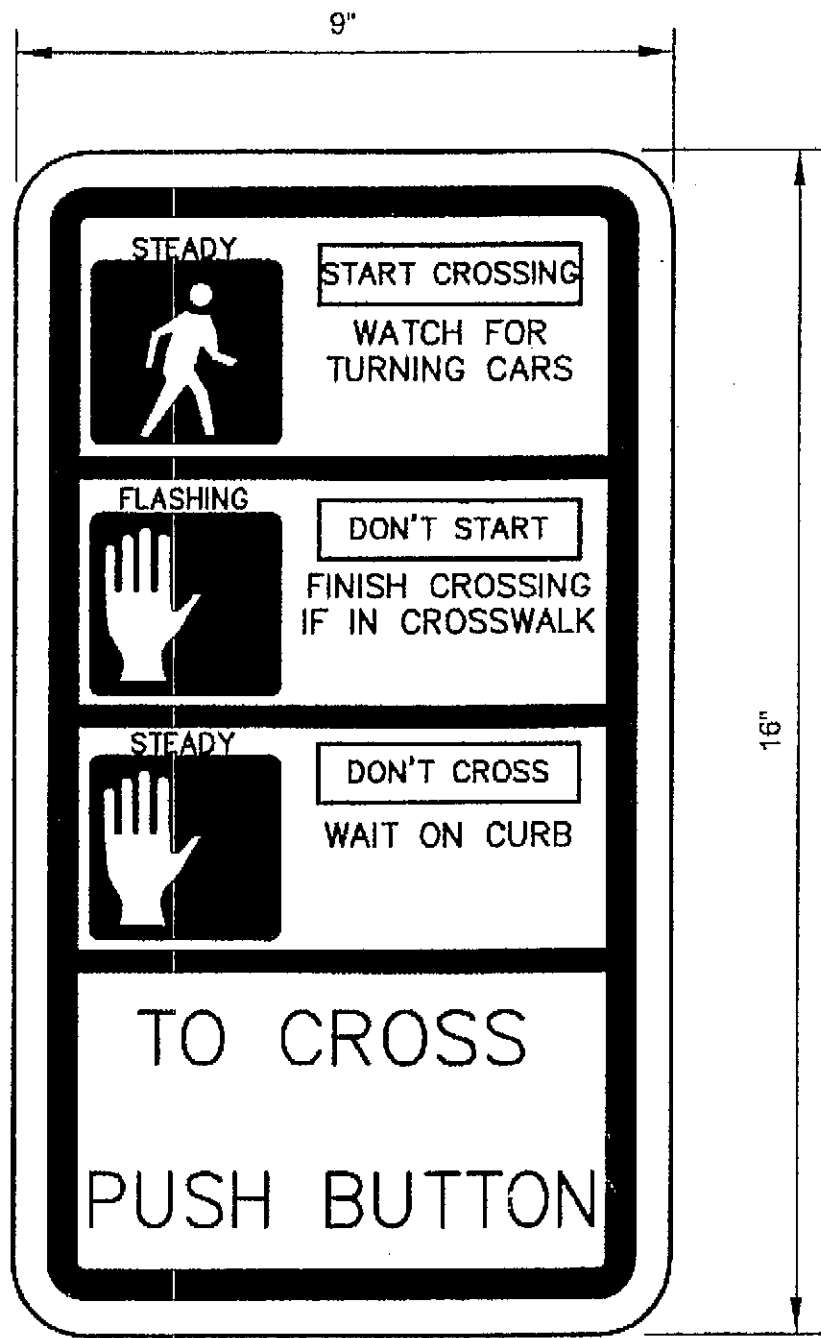
SHEET NUMBER	TOTAL SHEETS
S5	16

GENERAL SIGNING NOTES

1. SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS PER THE ENGINEER.
2. ALL SIGNS SHALL BE .125" THICK EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
3. ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
4. ALL EXISTING SIGNS TO BE REMOVED OR REPLACED SHALL BE DISMANTLED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T/P.F. MAINTENANCE STATION AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO 615(1).

STANDARD SIGNING SCHEDULE

No.	STATION	OFFSET		TYPE	FACING TRAFFIC	LEGEND	SIZE		AREA S.F.	# OF POSTS	POST SIZE	POST TYPE	REMARKS
		LT.	RT.				WD.	HT.					
①	POLE 1			R10-3B	N.B. & W.B.	MEANING OF PED. SIGNALS	9"	16"	1.00				AFFIX DECAL TO POLE
②	POLE 1			R10-4B	N.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
③	POLE 1			R10-4B	W.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
④	POLE 2			D3-2B	W.B.	Lake St. → ← Harbor Dr.	96"	30"	20.00				MOUNT ON MAST ARM
⑤	POLE 2			R10-3B	S.B. & E.B.	MEANING OF PED. SIGNALS	9"	16"	1.00				AFFIX DECAL TO POLE
⑥	POLE 2			R10-4B	S.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑦	POLE 2			R10-4B	E.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑧	POLE 2			R10-12	W.B.	LEFT YIELD ON GREEN BALL	30"	36"	7.50				MOUNT ON MAST ARM
⑨	POLE 3			D3-1B	N.B.	Lincoln St.	80"	18"	10.00				MOUNT ON MAST ARM
⑩	POLE 3			R10-3B	S.B. & W.B.	MEANING OF PED. SIGNALS	9"	16"	1.00				AFFIX DECAL TO POLE
⑪	POLE 3			R10-4B	S.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑫	POLE 3			R10-4B	W.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑬	POLE 3			R10-12	N.B.	LEFT YIELD ON GREEN BALL	30"	36"	7.50				MOUNT ON MAST ARM
⑭	POLE 4			D3-1B	S.B.	Lincoln St.	80"	18"	10.00				MOUNT ON MAST ARM
⑮	POLE 4			D3-2B	E.B.	Lake St. → ← Harbor Dr.	96"	30"	20.00				MOUNT ON MAST ARM
⑯	POLE 4			R10-3B	S.B. & W.B.	MEANING OF PED. SIGNALS	9"	16"	1.00				AFFIX DECAL TO POLE
⑰	POLE 4			R10-4B	N.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑱	POLE 4			R10-4B	E.B.	PUSH BUTTON FOR CROSSING	5"	8"	0.28				ATTACH TO PED BUTTON ASSEMBLY
⑲	POLE 4			R10-12	S.B.	LEFT YIELD ON GREEN BALL	30"	36"	7.50				MOUNT ON MAST ARM
⑳	POLE 4			R10-12	E.B.	LEFT YIELD ON GREEN BALL	30"	36"	7.50				MOUNT ON MAST ARM
㉑	"LI" 4+30		27.2'								DECORATIVE METAL		SEE NOTE 4, REMOVE AND RELOCATE AS DIRECTED BY THE ENGINEER.
									96.24				



R10-3B

BLACK ON
NON-REFLECTORIZED WHITE
SIGN LEGEND AND GRAPHICS ARE
PROPORTIONAL TO THOSE SHOWN ABOVE

SPECIAL PEDESTRIAN DECAL

1. AFFIX DECAL ABOVE PEDESTRIAN PUSH BUTTON FRAMES.
2. INSTALL ONE DECAL PER POLE. IF TWO BUTTONS, INSTALL AT 45 DEGREES BETWEEN THE TWO.
3. DECALS SHALL BE PAID UNDER 615(1) STANDARD SIGNS.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *Daniel* Date *3/06*

PATH: Q:\SIT\67960\TR\Lake_Lincoln\dwg\SignSum
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

SIGNING SUMMARIES

DESIGNED BY: C. HAKARI



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE AND LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 69760

SIGNING SUMMARIES

PROJECT DESIGNATION NUMBER

ACHHE-000S(487)/69760

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
S6	16

ADDENDUM NUMBER

ATTACHMENT NUMBER

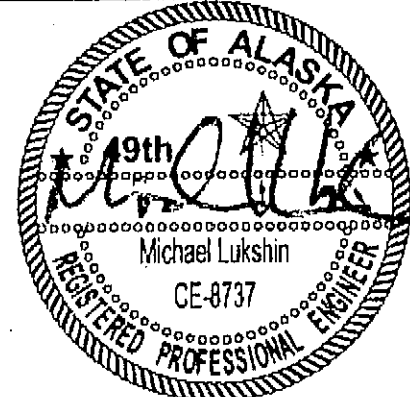
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

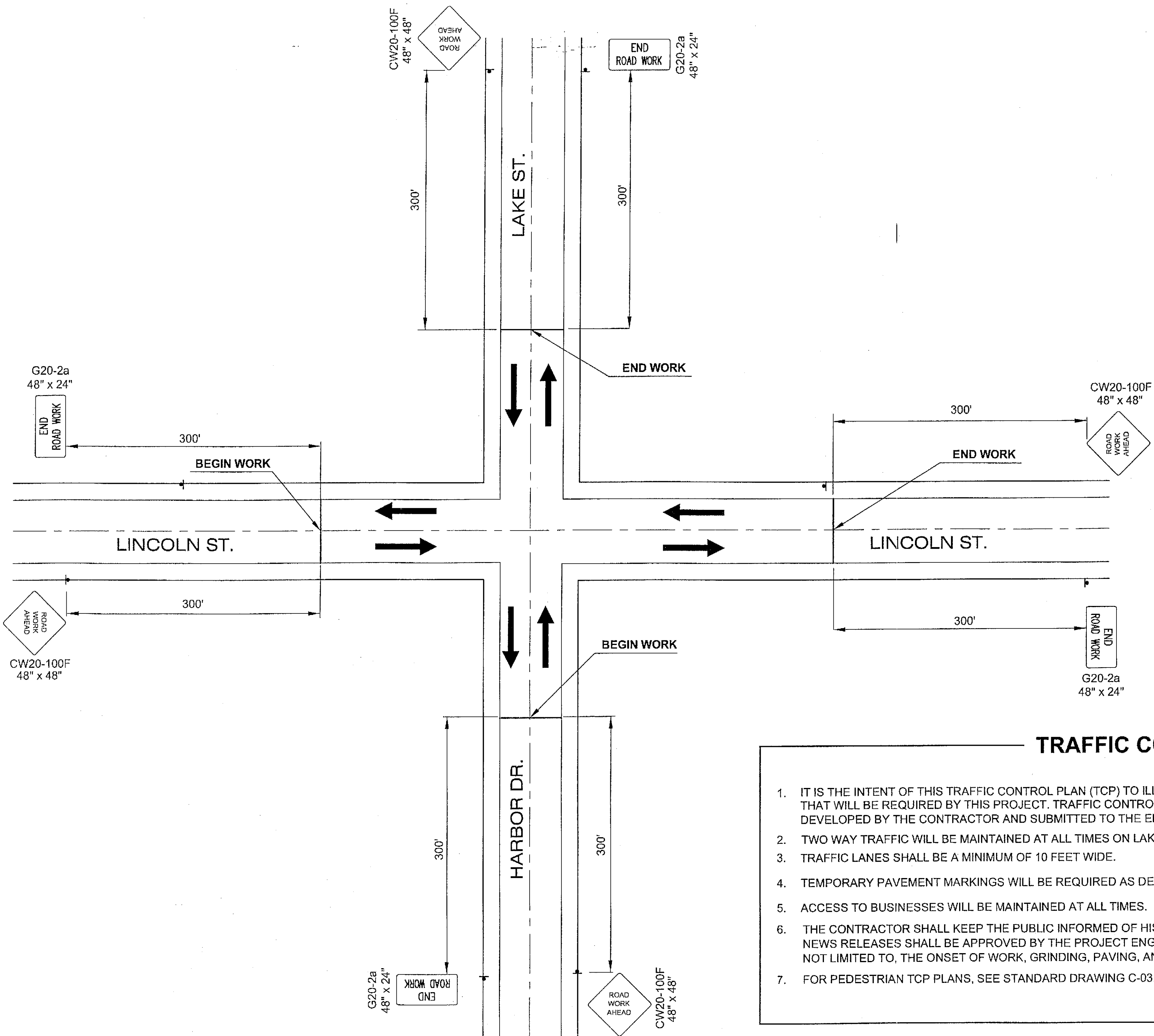
SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION NUMBER

CHHE-000S(487)-68583

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
T1	16



PERMANENT CONSTRUCTION SIGNING

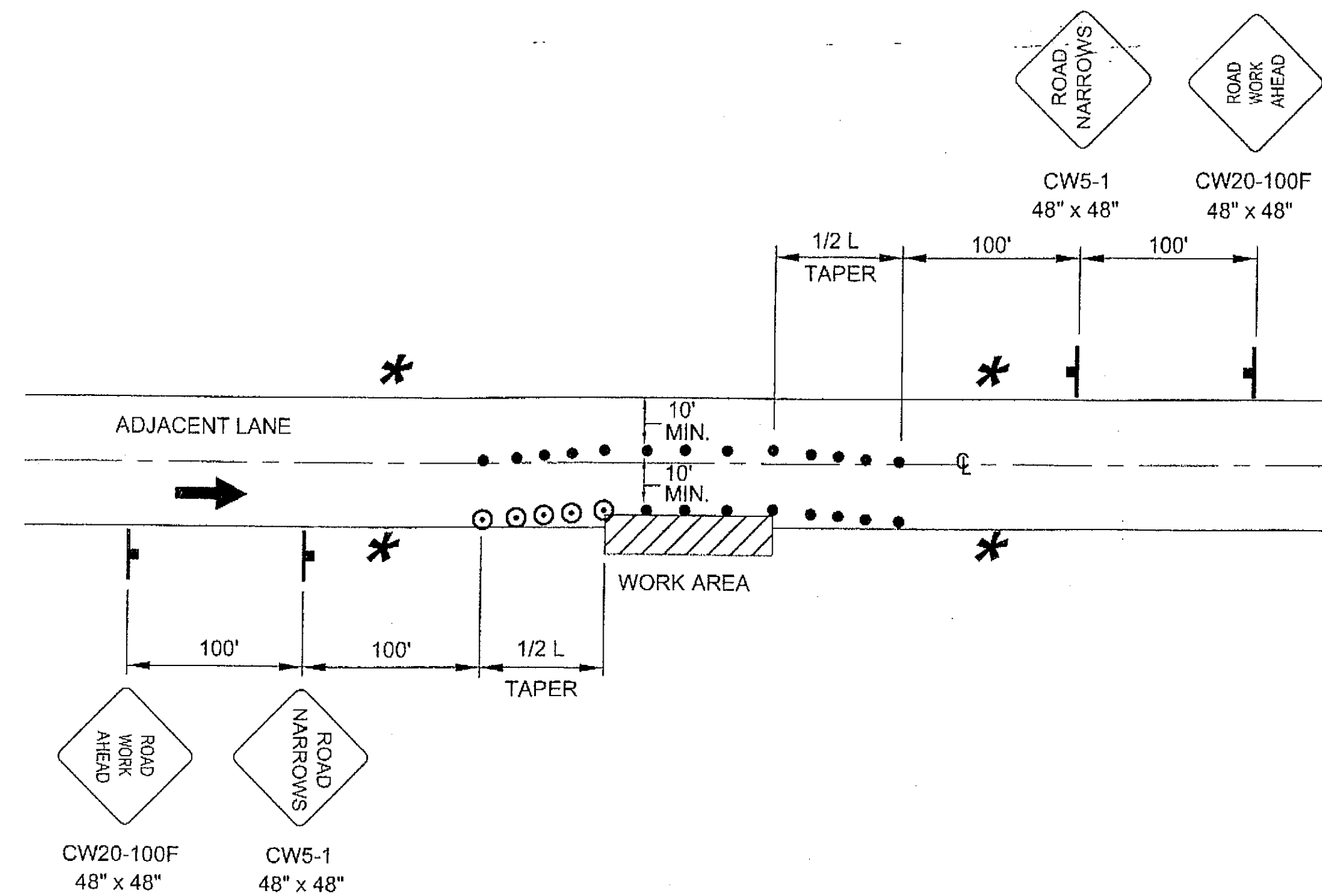
TYPICAL ALL LEGS OF INTERSECTION

TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES ON LAKE ST./HARBOR DR. AND ON THE WEST LEG OF LINCOLN ST.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
4. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
5. ACCESS TO BUSINESSES WILL BE MAINTAINED AT ALL TIMES.
6. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
7. FOR PEDESTRIAN TCP PLANS, SEE STANDARD DRAWING C-03.10 AND MUTCD TYPICAL APPLICATION TA-28.

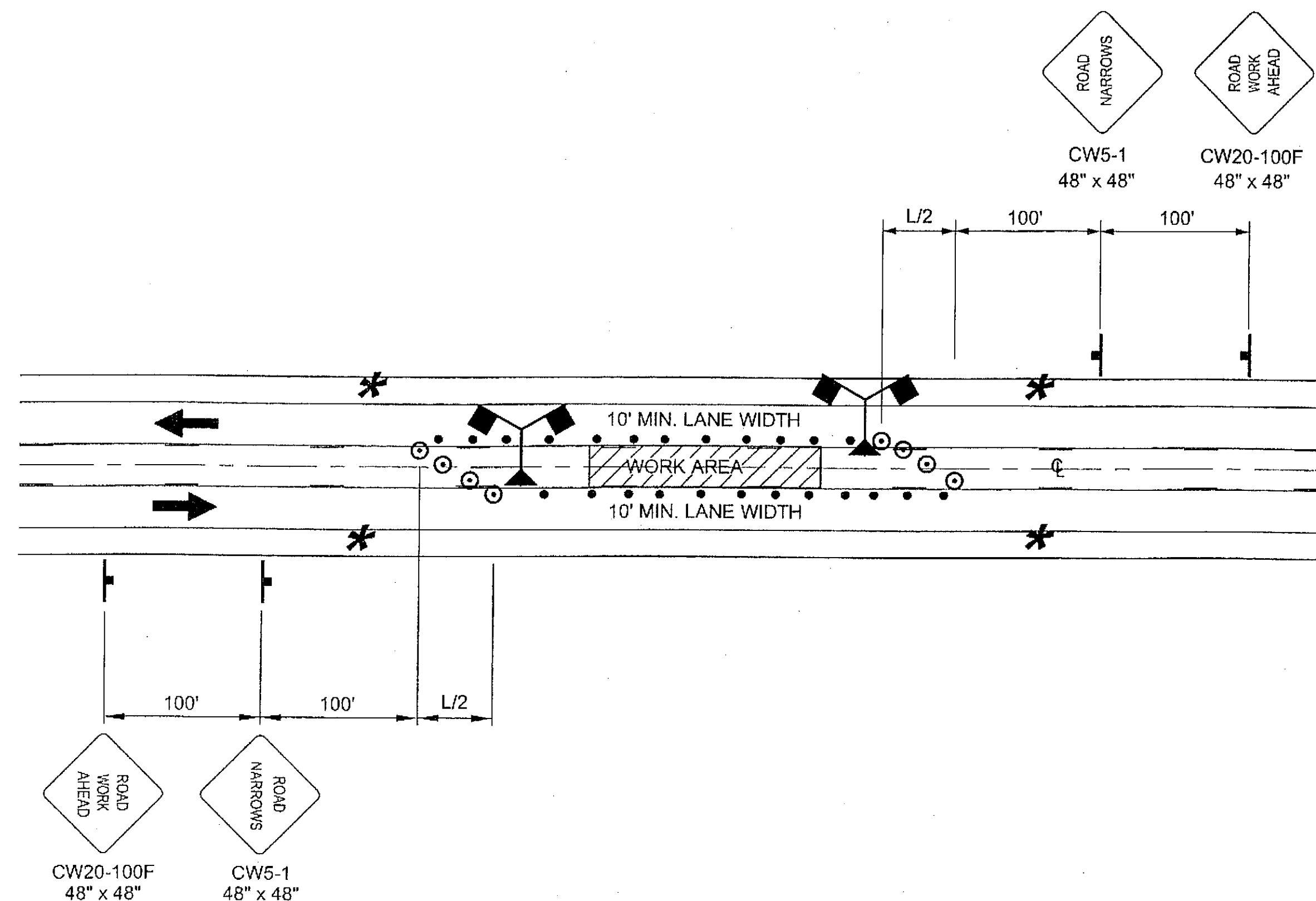
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *D. Stevens* Date *3/10/04*

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

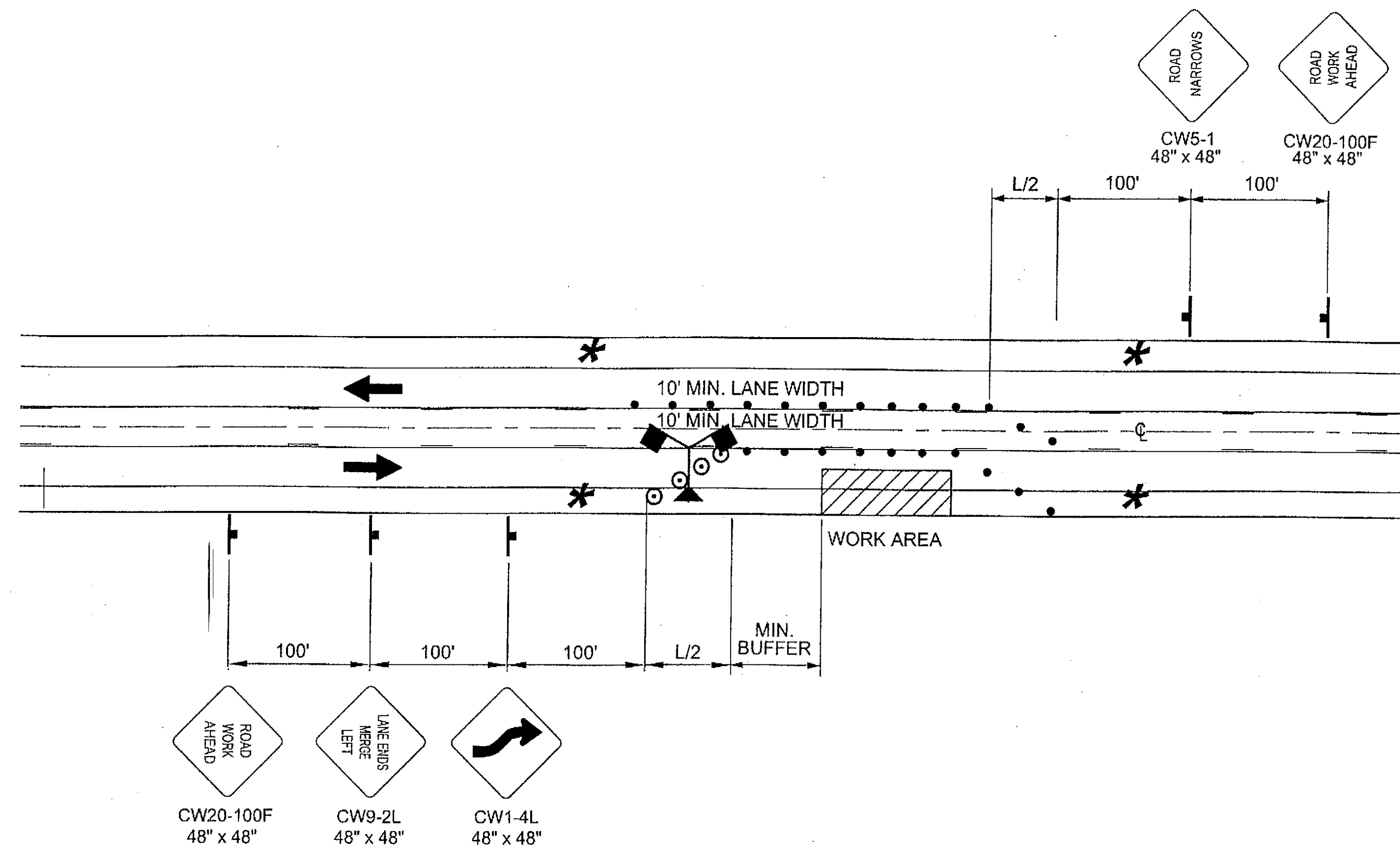


ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE SIGNS AND CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.



TWO-WAY TRAFFIC CENTER LANE CLOSURE



TWO-WAY TRAFFIC USING CENTER LANE

LEGEND

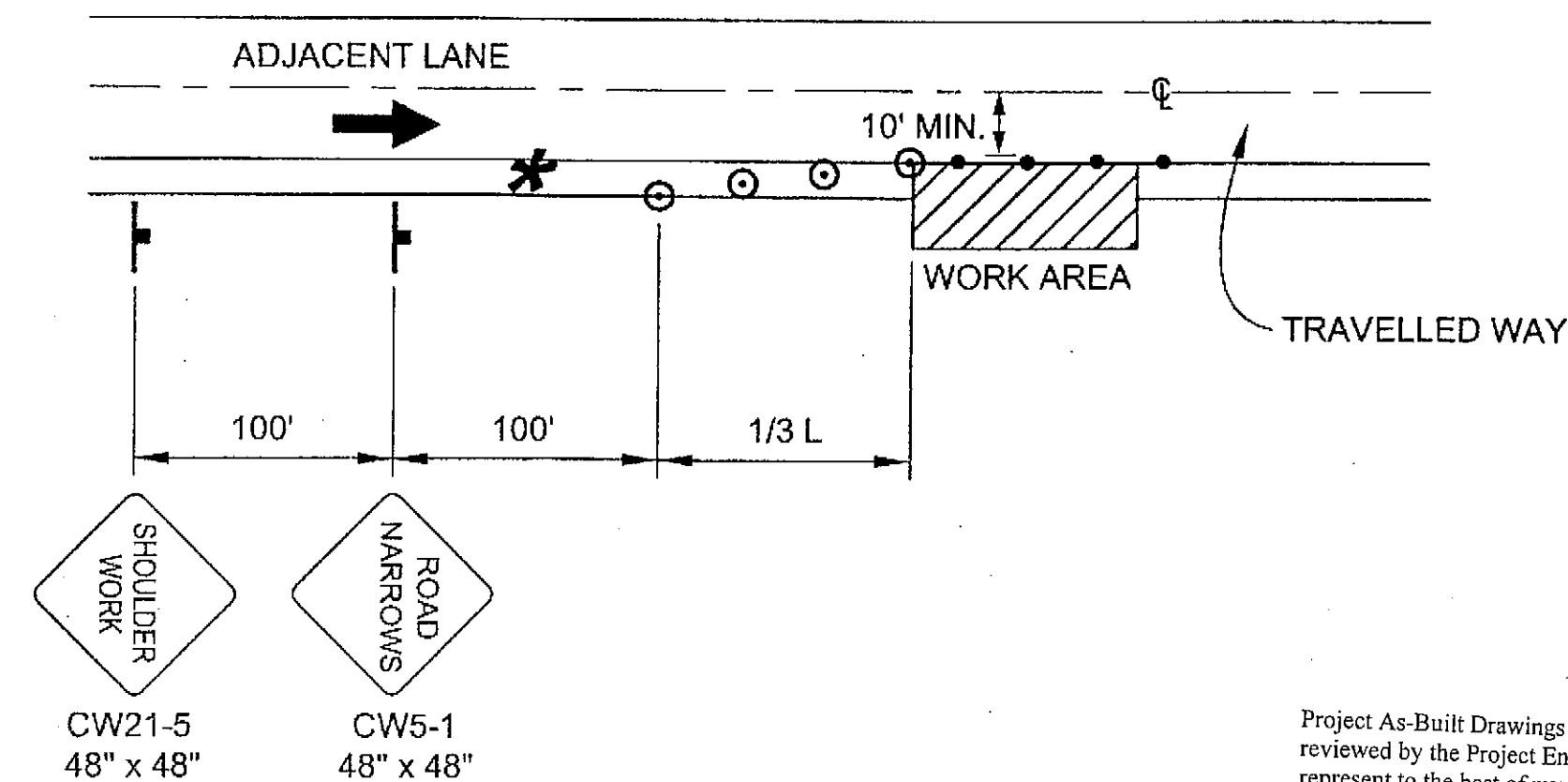
- SIGN
- ----- CONE
- ⊙ ----- DRUM
- III ----- TYPE III BARRICADE
- ----- FLAGGING STATION
- ▲ ----- HI-LEVEL WARNING DEVICE

* NO PARKING WITHIN 200' OF CONES
L = W x T

WHERE:
L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER FACTOR

TCP TABLE SETUP

SPEED (MILES PER HOUR)	BUFFER/LENGTH (ft)	CONE/DRUM SPACING (ft)	TAPER FACTOR (T)
16	30'	15'	4:1
19	35'	20'	6:1
22	45'	23'	8:1
25	55'	25'	10:1
28	70'	30'	13:1
31	85'	33'	16:1
34	115'	35'	19:1
37	140'	40'	23:1
40	170'	43'	27:1
43	200'	45'	32:1
47	245'	50'	47:1
50	280'	53'	50:1
53	320'	55'	53:1
56	360'	60'	56:1



SHOULDER WORK

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

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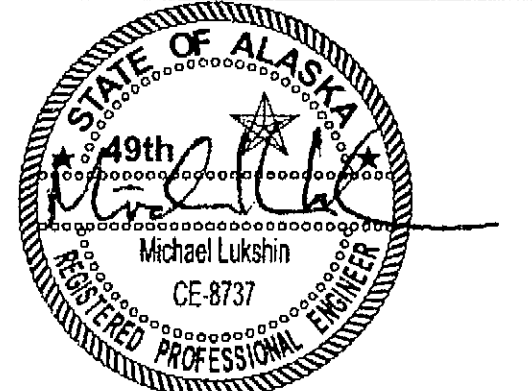
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION NUMBER

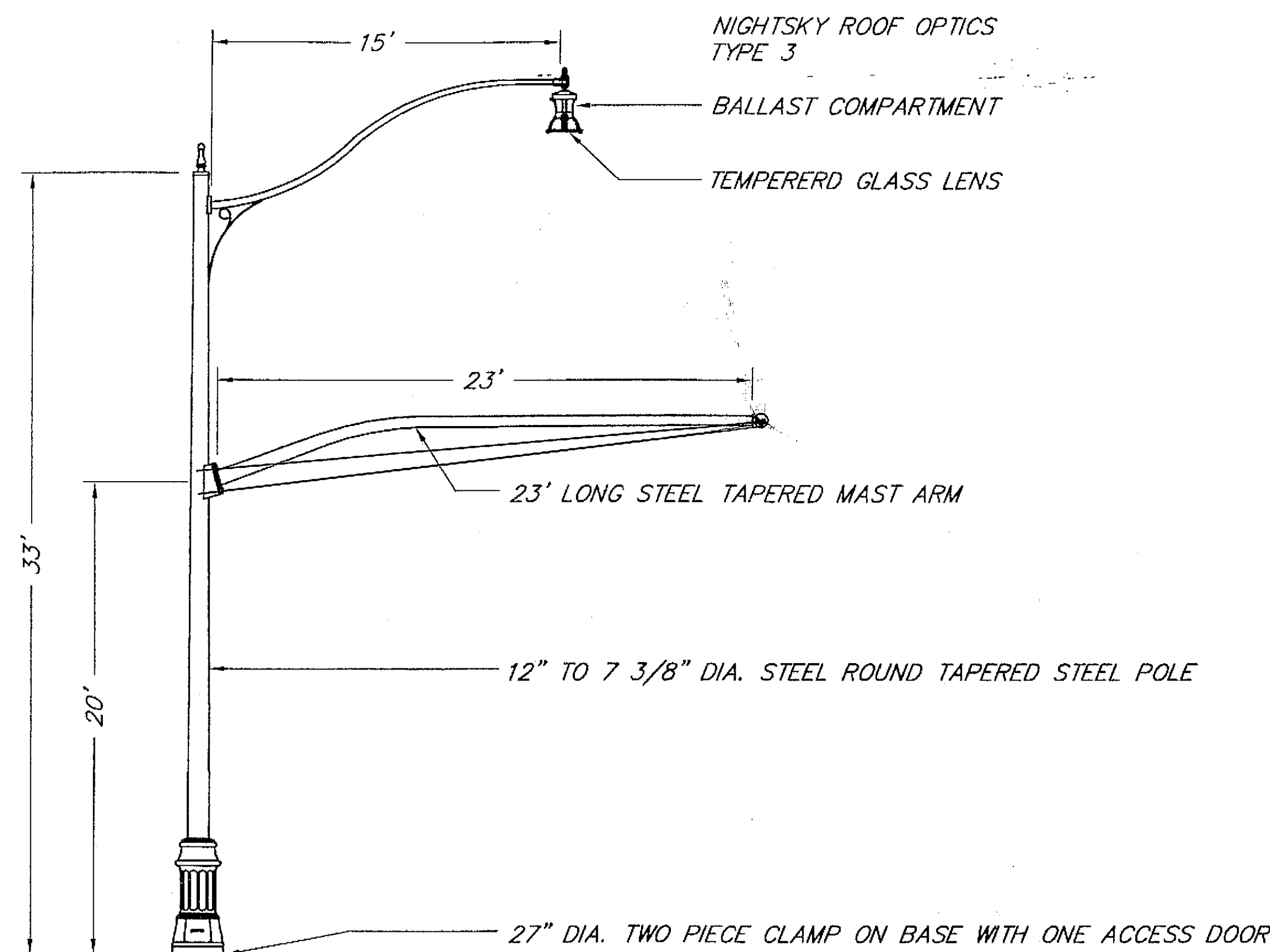
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STATE YEAR

ALASKA 2004

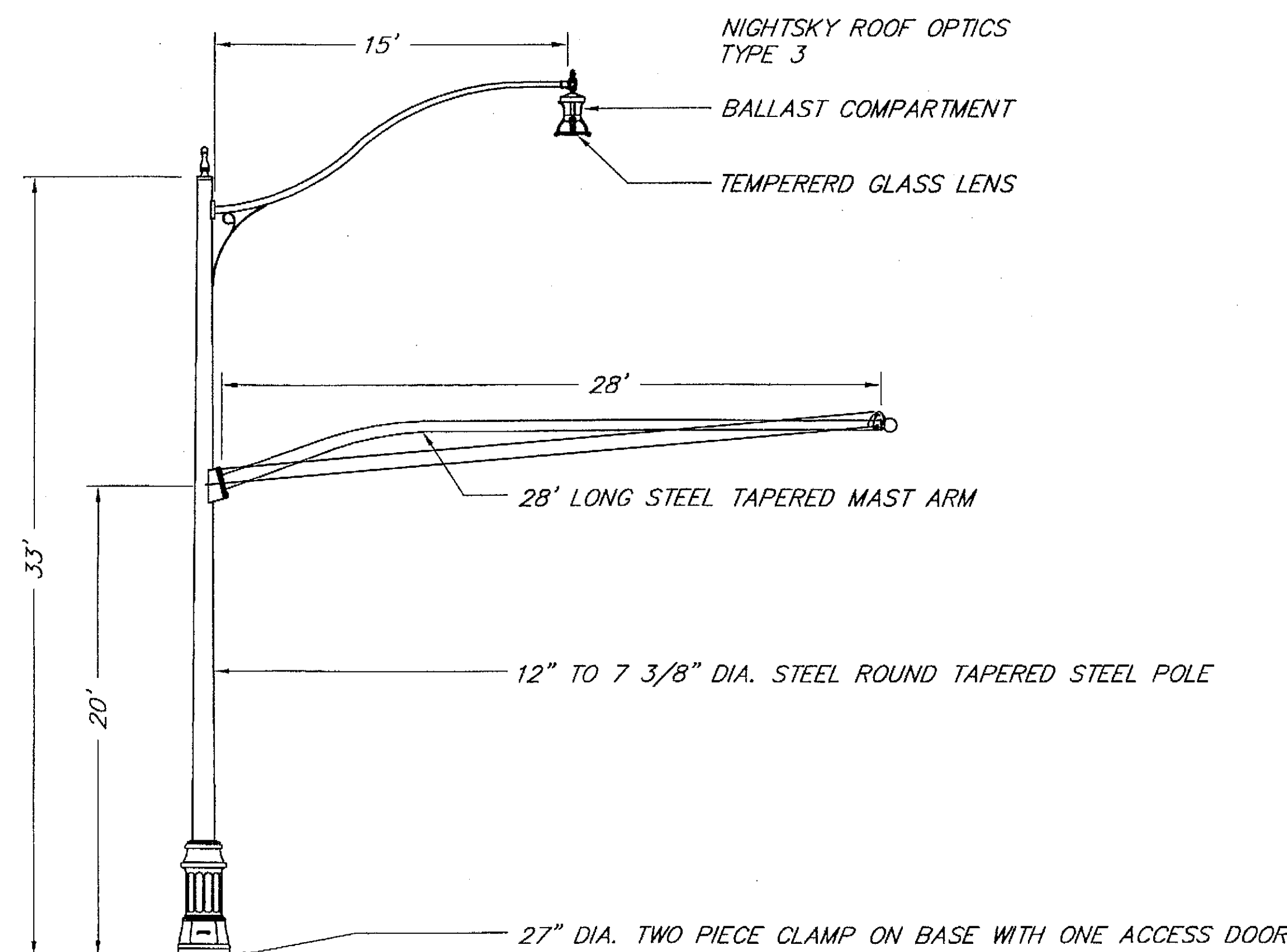
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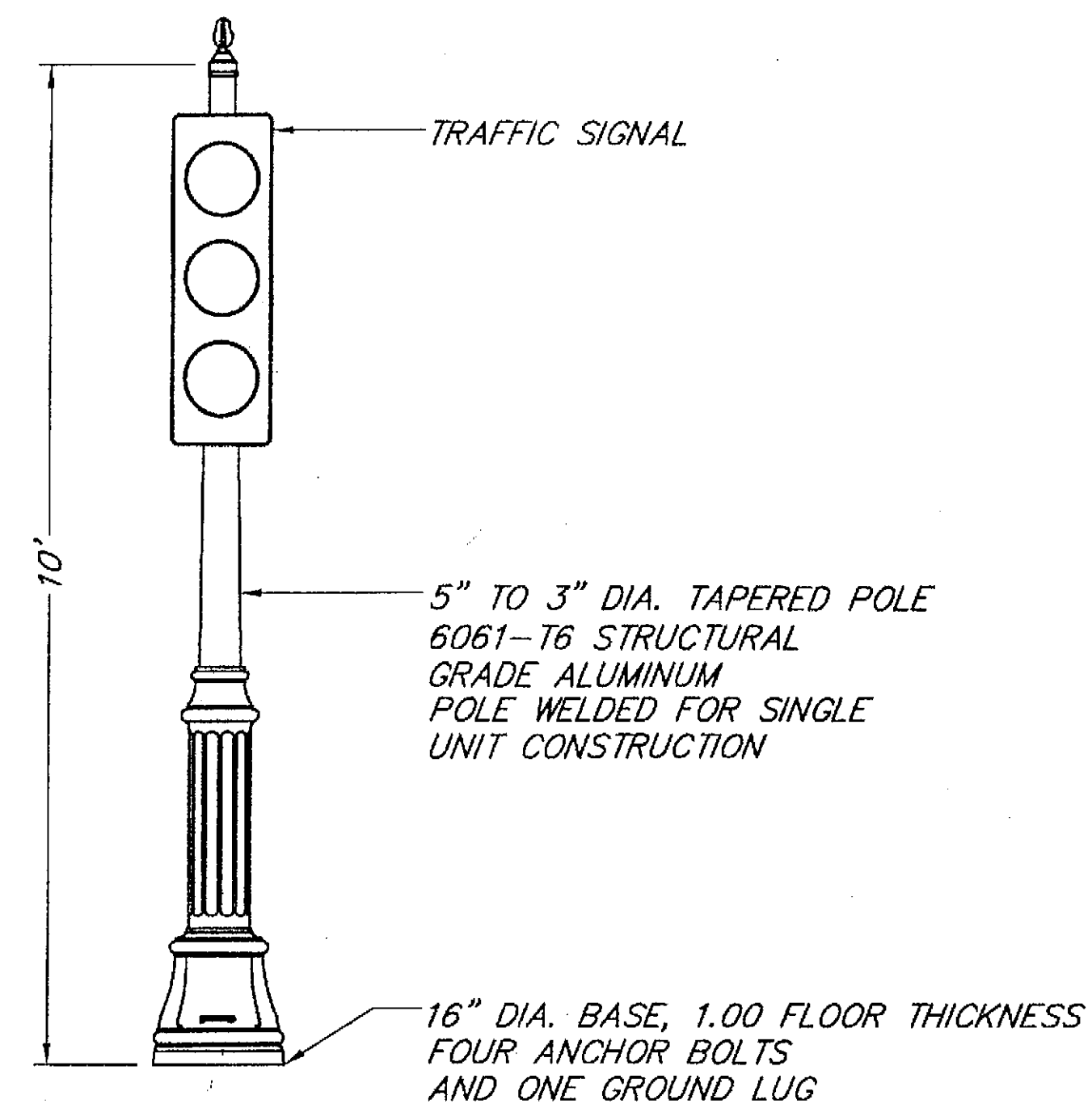
SIGNAL POLE NO. 2 DETAIL

WESTBOUND



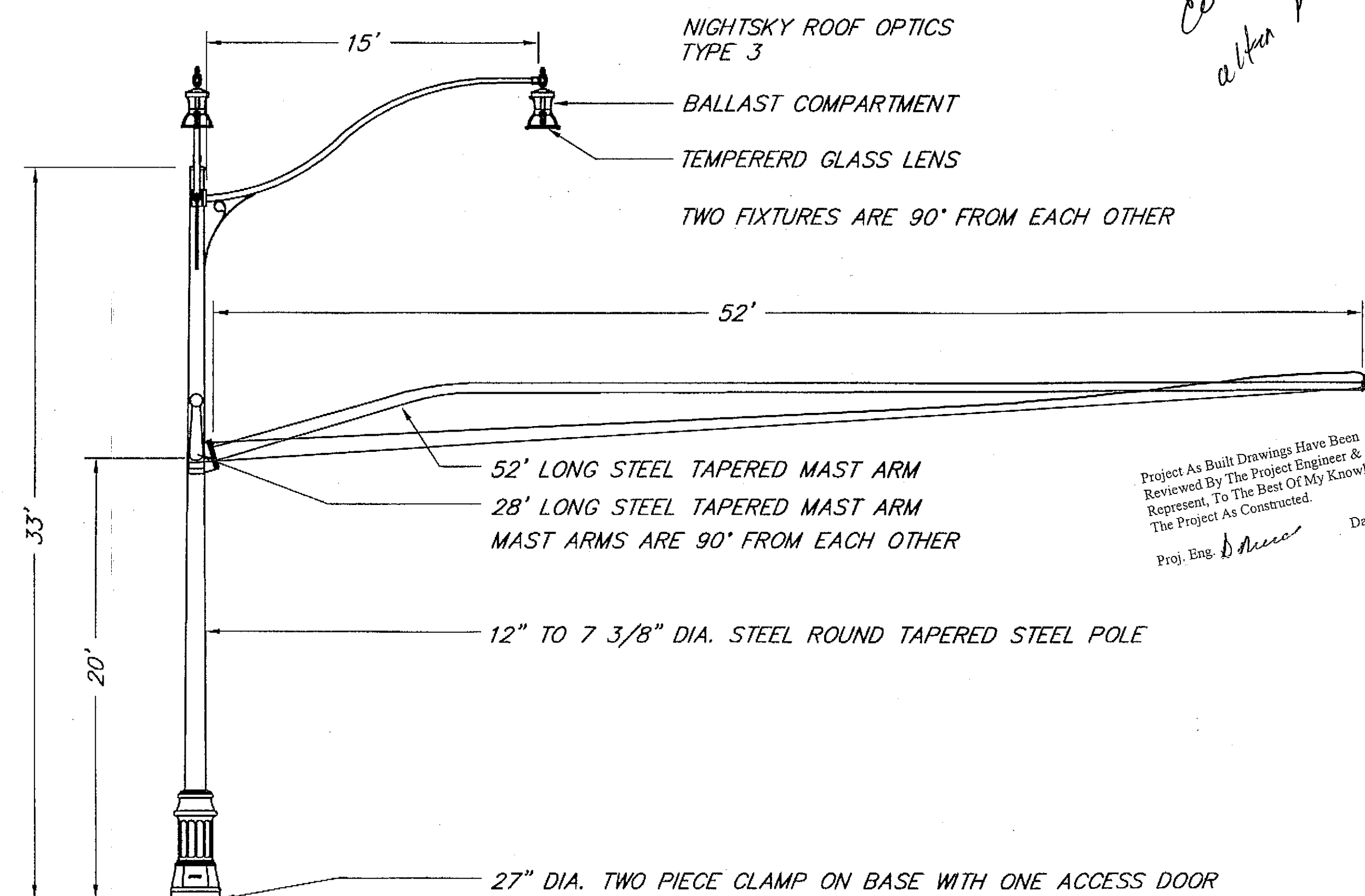
SIGNAL POLE NO. 3 & 4 DETAIL

(NORTHBOUND & EASTBOUND MASTARM)



SIGNAL POLE NO. 1 DETAIL

SOUTHBOUND



SIGNAL POLE NO. 4 DETAIL

(SOUTHBOUND MASTARM)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:
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RECORD OF REVISIONS

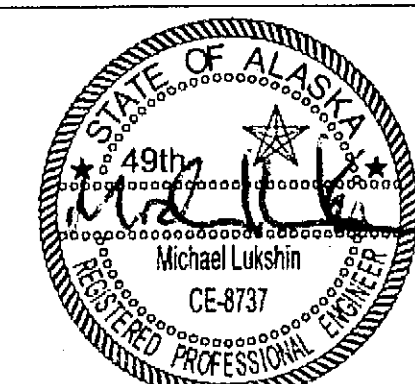
No.	DATE	DESCRIPTION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

ADDITIVE ALTERNATE
DECORATIVE POLE DETAILS

Co # 2
after pole are

DESIGNED BY: R. PURVES



CHECKED BY: M. LUKSHIN

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SIT-LAKE & LINCOLN
TRAFFIC IMPROVEMENTS
PROJECT NO. 67960

ADDITIVE ALTERNATE
DECORATIVE POLE DETAILS

PROJECT DESIGNATION NUMBER

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STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
1	1