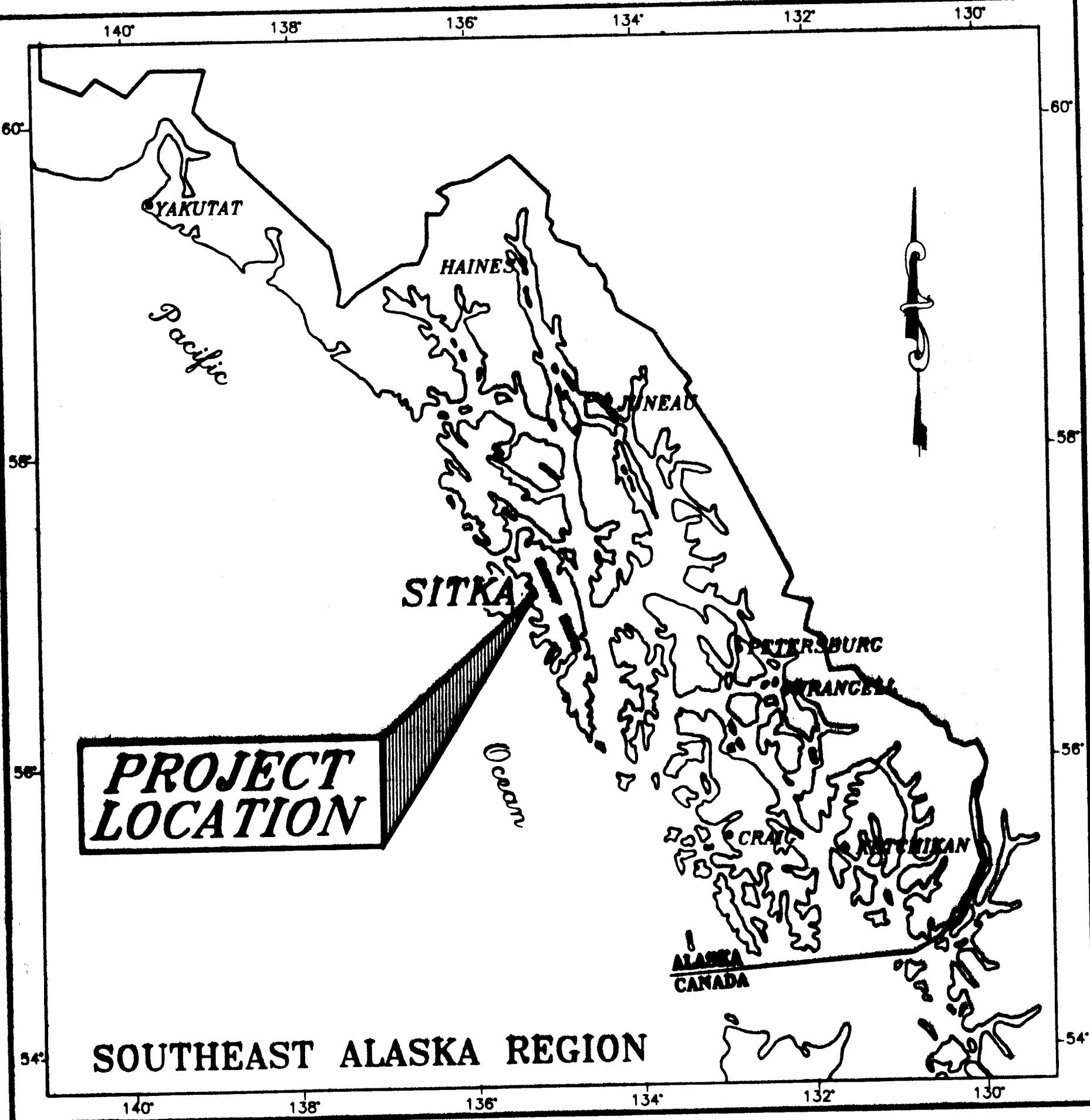


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION
DESIGN AND CONSTRUCTION DIVISION

SITKA, ALASKA

SITKA HARBOR
BRIDGE REHABILITATION

PROJECT NO. 68223/STP-099-3(6)

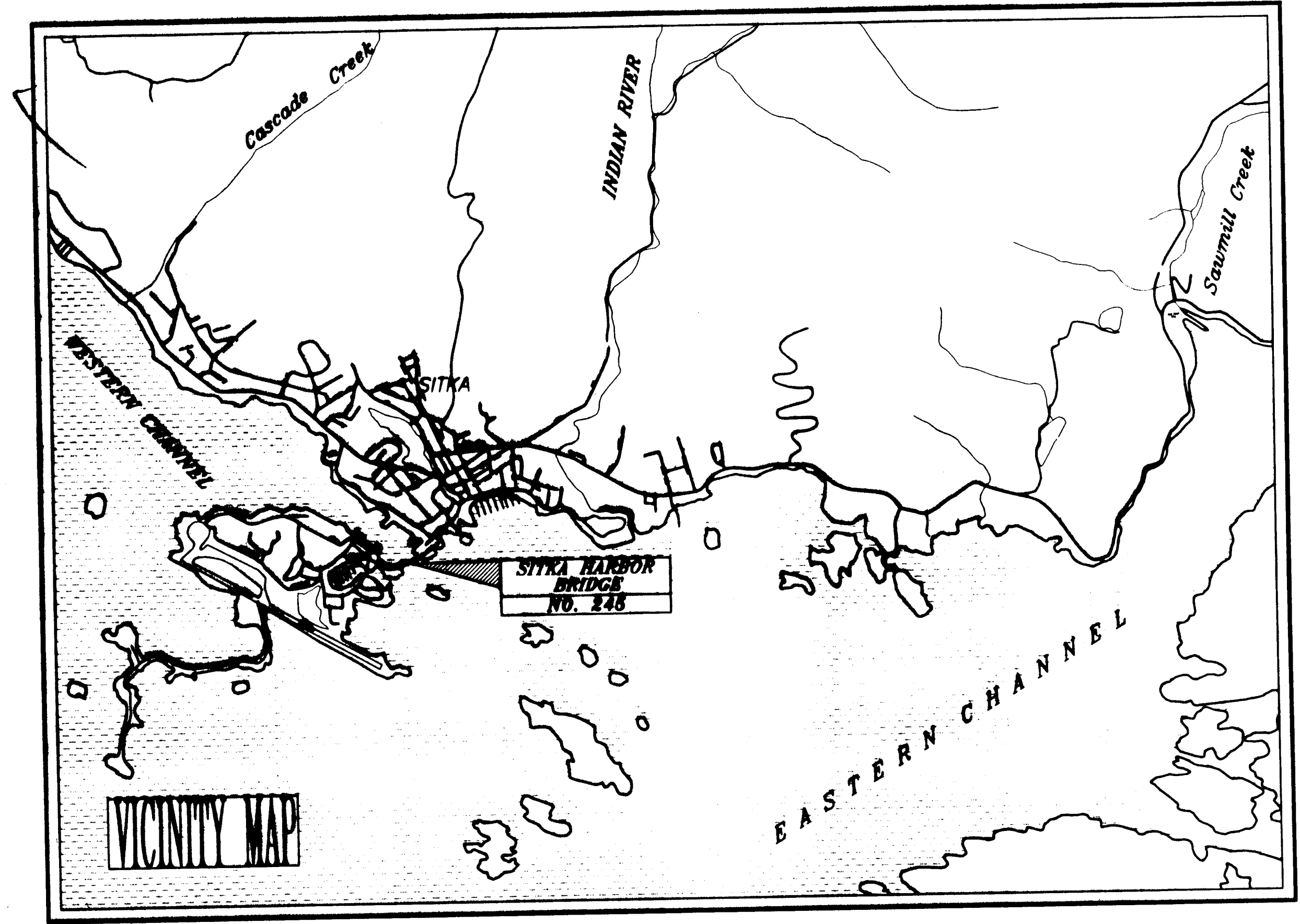


DESIGN DESIGNATIONS

SITKA HARBOR BR., NO. 245	
ADT 2001.....	5720
ADT 2021.....	8500
DHV.....	850
% T.....	5.50%
EAL.....	1,150,000
V.....	60 KPH

PROJECT SUMMARY

SITKA HARBOR BRIDGE, NO. 245	
LENGTH OF PROJECT.....	383 METERS
LENGTH OF GRADING.....	N/A
LENGTH OF PAVING.....	N/A
WIDTH OF PAVING.....	N/A



SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATE OF QUANTITIES
3	GENERAL LAYOUT
4	TYPICAL SECTION & MISCELLANEOUS DETAILS
5	NAVIGATION LIGHTS
6	CLEARANCE GAGE
7-9	TRAFFIC CONTROL PLAN

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:
A-1[M], C-04.11[M].

AS-Built Plans
Contractor: Swalling Construction Company, Inc.
Begin Construction: March 19, 2002
End Construction: October 31, 2002
Project Engineer: Todd Fleming

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. [Signature] Date 6/17/03

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

APPROVED [Signature] DATE 1/30/02
PATRICK J. KEMP, P.E.
REGIONAL PRECONSTRUCTION ENGINEER
APPROVED [Signature] DATE 1/30/02
ROBERT DOLL
DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION

PROJECT NUMBER: 68223	ENGINEER'S SEAL
DATE: 2001	
SHEET 1 OF 9	

ESTIMATE OF QUANTITIES			
ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	QUANTITY
504(3)	REPAIR CABLE SOCKETS	EA	24
504(4)	REPAIR GROUT PADS	LS	ALL REQ'D
504(5)	HATCH COVER MODIFICATION	EA	10 12
506(5)	NAVIGATION CLEARANCE GAGE	EA	2
513(1)	FIELD PAINTING OF STEEL STRUCTURES	LS	ALL REQ'D
515(7)	SPECIAL SIGN	EA	2
640(1)	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641(2)	EROSION AND POLLUTION CONTROL	CS	ALL REQ'D
643(2)	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D
643(5)	FLAGGING	CS	ALL REQ'D
643(25)	TRAFFIC CONTROL	CS	ALL REQ'D
643(29)	PORTABLE WATER FILLED BARRIERS	EA	45
660(5)	STRUCTURE ILLUMINATION SYSTEM COMPLETE	LS	ALL REQ'D
660(7)	TEMPORARY SIGNAL SYSTEM COMPLETE	LS	ALL REQ'D

GENERAL NOTES

SPECIFICATIONS:

Design:.....AASHTO Standard Specifications for Highway Bridges, 1996 Edition, with the latest Interim Specifications.

Construction:.....State of Alaska Standard Specifications for Highway Construction, (Metric), 1996 with Special Provisions.

DESIGN UNIT STRENGTH:

Structural Steel:.....Fy = 250 MPa

STRUCTURAL MATERIALS:

Structural Steel:.....All structural steel shall be galvanized ASTM A709M, Grade 250, unless otherwise noted.

Treated Timber:.....All lumber and timbers shall be Coast Region Douglas Fir or Western larch conforming to WPA Western Grading Rules 1998, No. 1 Grade or better. All lumber and timbers shall be completely and accurately fabricated before pressure treatment by the empty-cell process with Copper Naphthenate in heavy oil. (AWPA P8-00).

Dimensions stated for timber are nominal dimensions.

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
No.	DATE	DESCRIPTION	ALASKA	STP-099-3(6)/68223	2002	2	9

ABBREVIATIONS

Abut.....abutment
BB.....beginning of bridge
Br.....bridge
Brg.....Bearing
C-C.....center to center
CM.....cubic meter
C.....centerline
Clr.....clear, clearance
Conc.....concrete
Const.....construction
Ck.....creek
CIP.....cast-in-place
CS.....contingent sum
Dia.....diameter
EA.....each
EB.....end of bridge or eastbound
Elev.....elevation
(E).....existing
Exist.....existing
Exp Jt.....expansion joint
ef.....each face
ff.....far face
Ftg.....footing
Galv.....galvanized
Horiz.....horizontal
HS.....high strength
Hwy.....highway
Jt.....joint
Kg.....kilogram
LS.....jump sum
Lt.....left
M.....meter
Max.....maximum
Mg.....Megagram
Min.....minimum
Misc.....miscellaneous
MMC.....Microsilica Modified Concrete
Mtl.....material
nf.....near face
No.....number
OC.....overcrossing
OH.....overhead
PG.....profile grade
R.....radius
Reinf.....reinforced or reinforcing
Rt.....right
Rdwy.....roadway
Sht.....sheet
SIP.....stay-in-place
SM.....square meter
St.....street
STA, Sta.....station
Std.....standard
Str.....structure
Typ.....typical
UC.....undercrossing
UGT.....underground telephone
UP.....underpass
Vert.....vertical
Ø.....diameter

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Engr. *[Signature]* Date 6/2/03

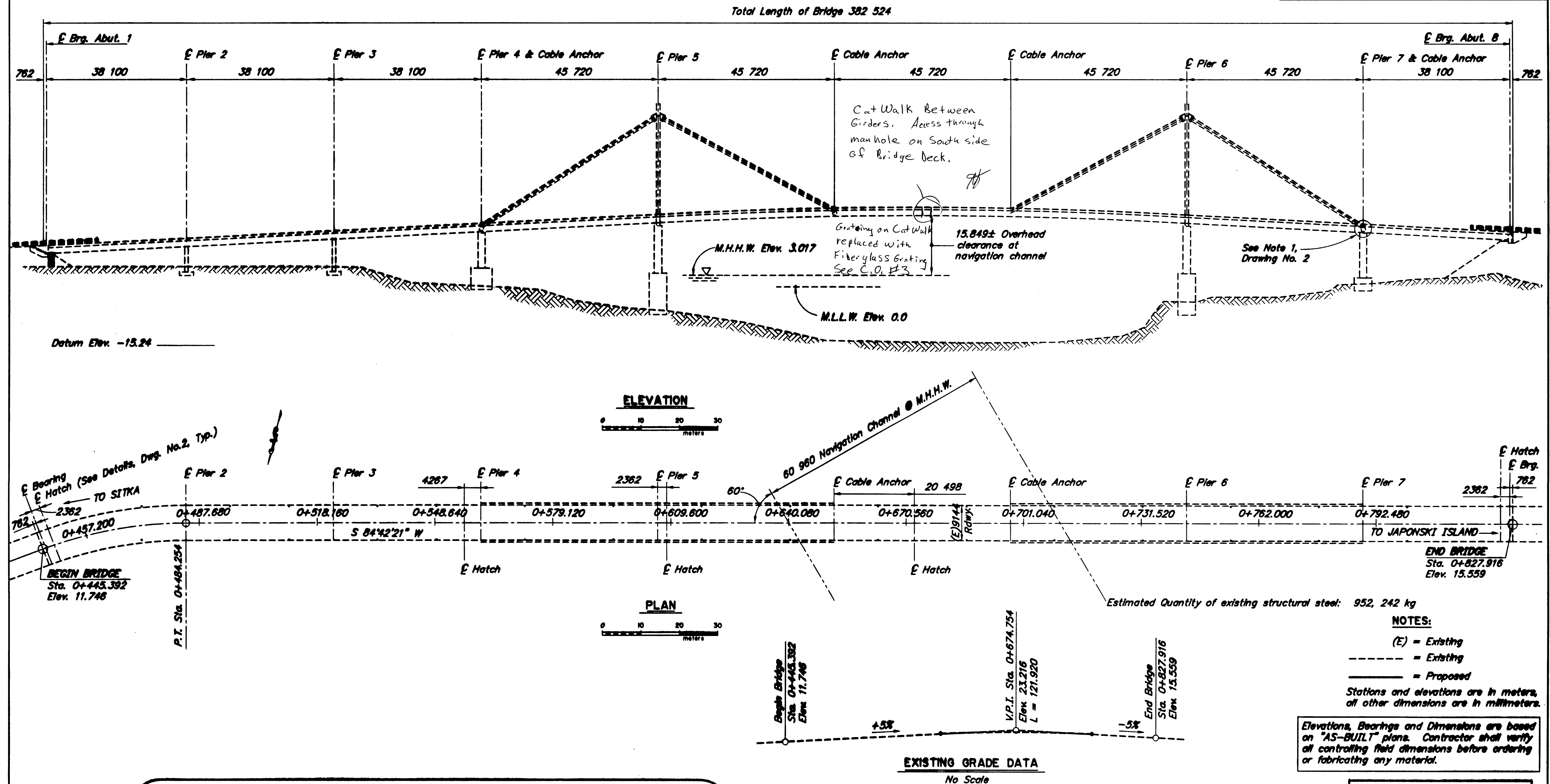


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES

SITKA HARBOR
BRIDGE REHABILITATION

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-099-3(6)/68223	2002	3	9



ESTIMATE OF QUANTITIES					
ITEM NO.	ITEM	UNIT	SUBST.	SUPERST.	TOTAL
304(3)	Repair Cable Sockets	EA		24	24
304(4)	Repair Grout Pads	LS			AN Req'd.
304(5)	Hatch Cover Modification	EA		10	10
512(2)	Navigation Clearance Page	EA	2		2
513(1)	Field Painting of Steel Structures	LS			AN Req'd.
613(2)	Special Sign	EA	2		2
680(5)	Structure Illumination System Complete	LS			AN Req'd.

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
TYPICAL SECTION AND MISCELLANEOUS DETAILS	2
NAVIGATION LIGHTS	3
CLEARANCE GAGE	4



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Engr *lt* Date 6-17-00

Proj. Engr. lt Date 6-17-00

Designed By: SM
Detail Check By: ATC
Design Check By: AT

A: Apr 2000 245-1.0
 PG 31/2000 @ 7
 Plot Scale = 1.00

REHABILITATION

SITKA HARBOR BRIDGE

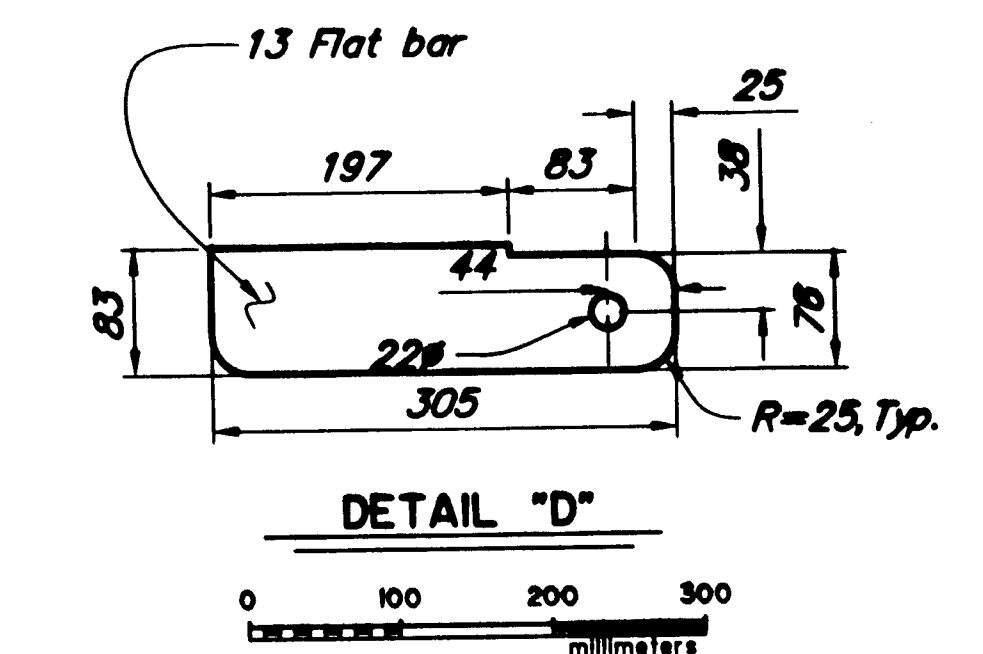
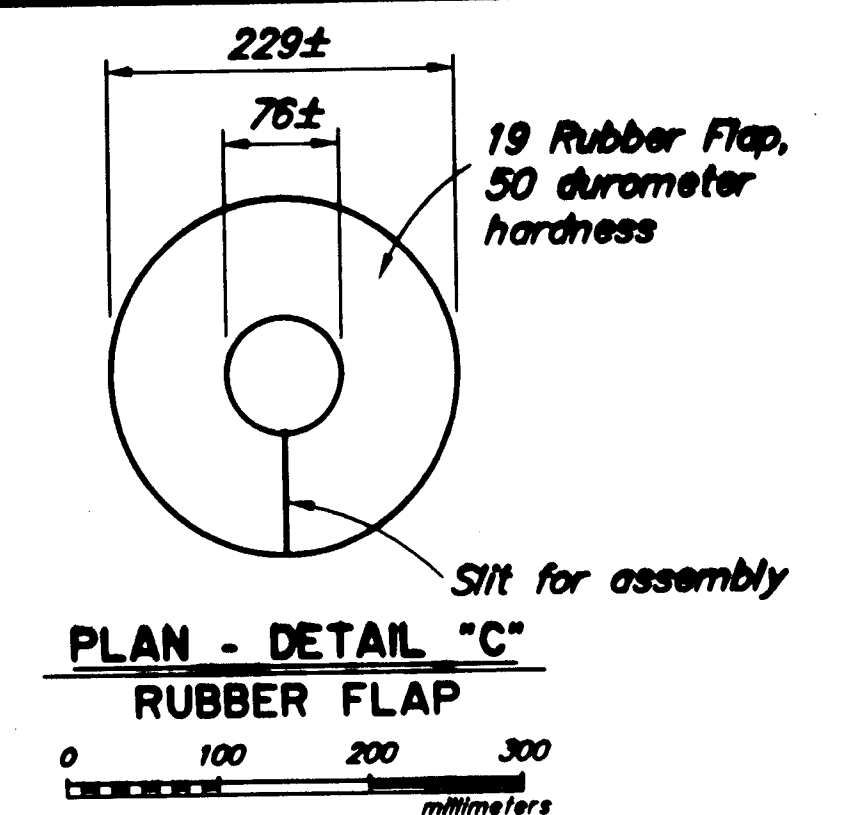
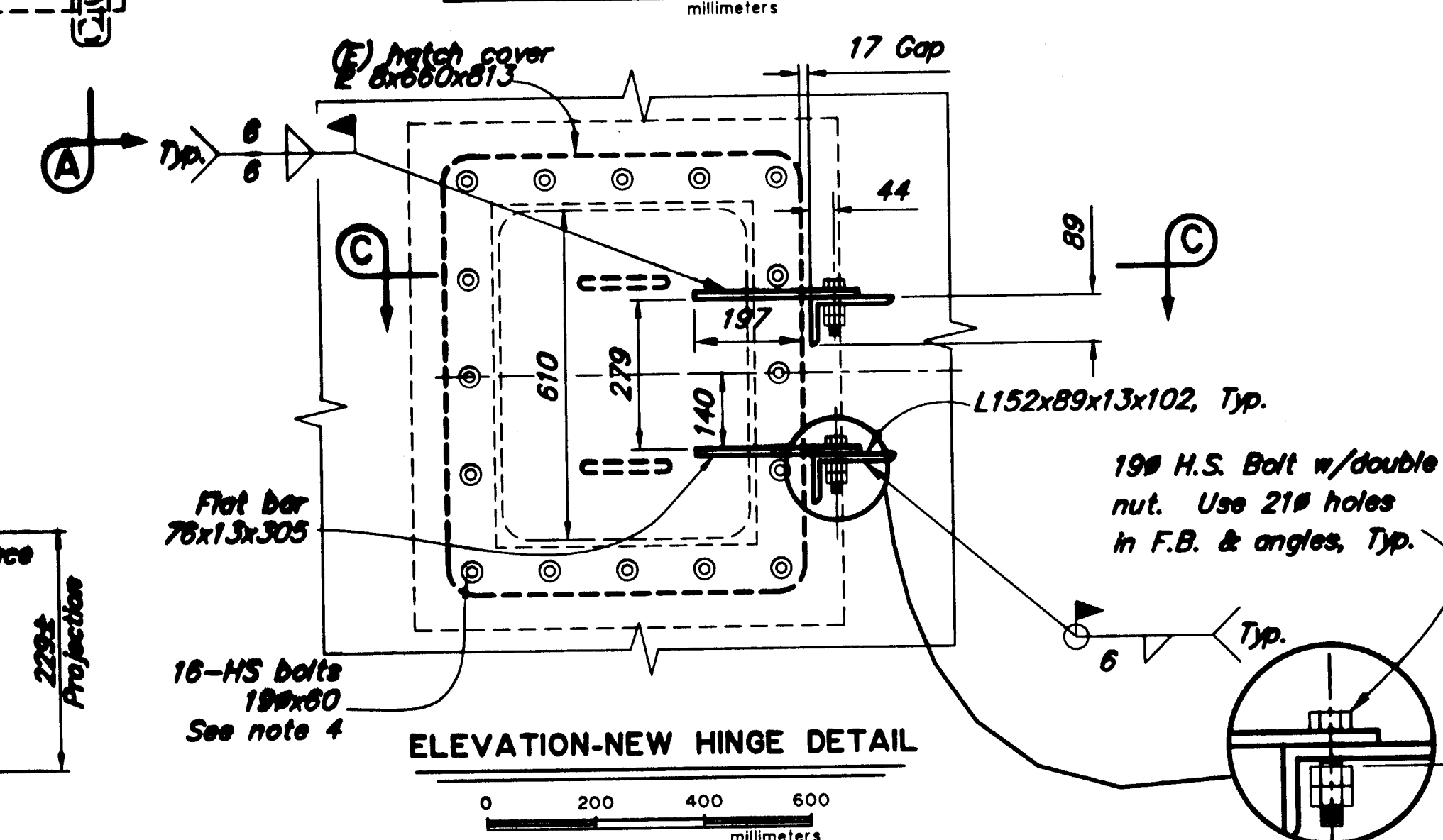
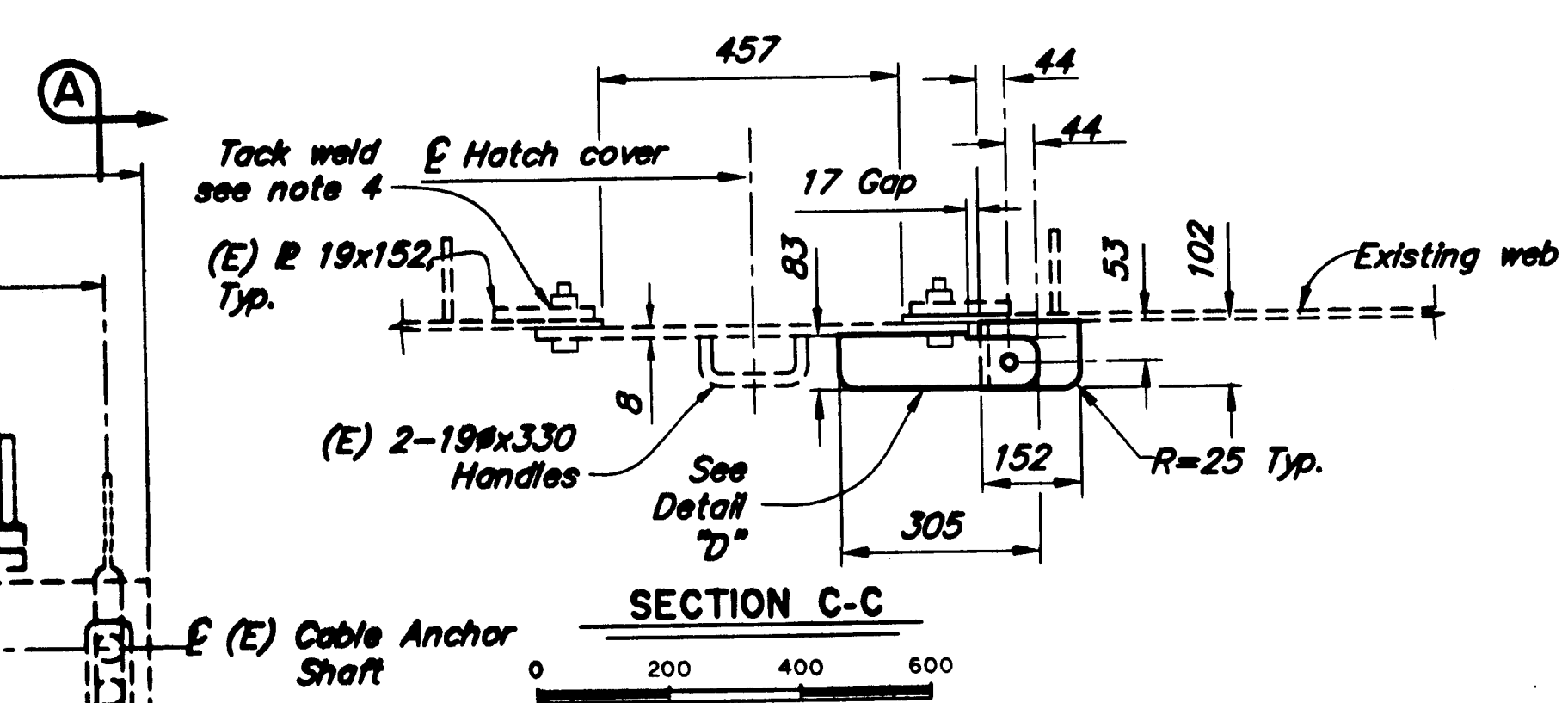
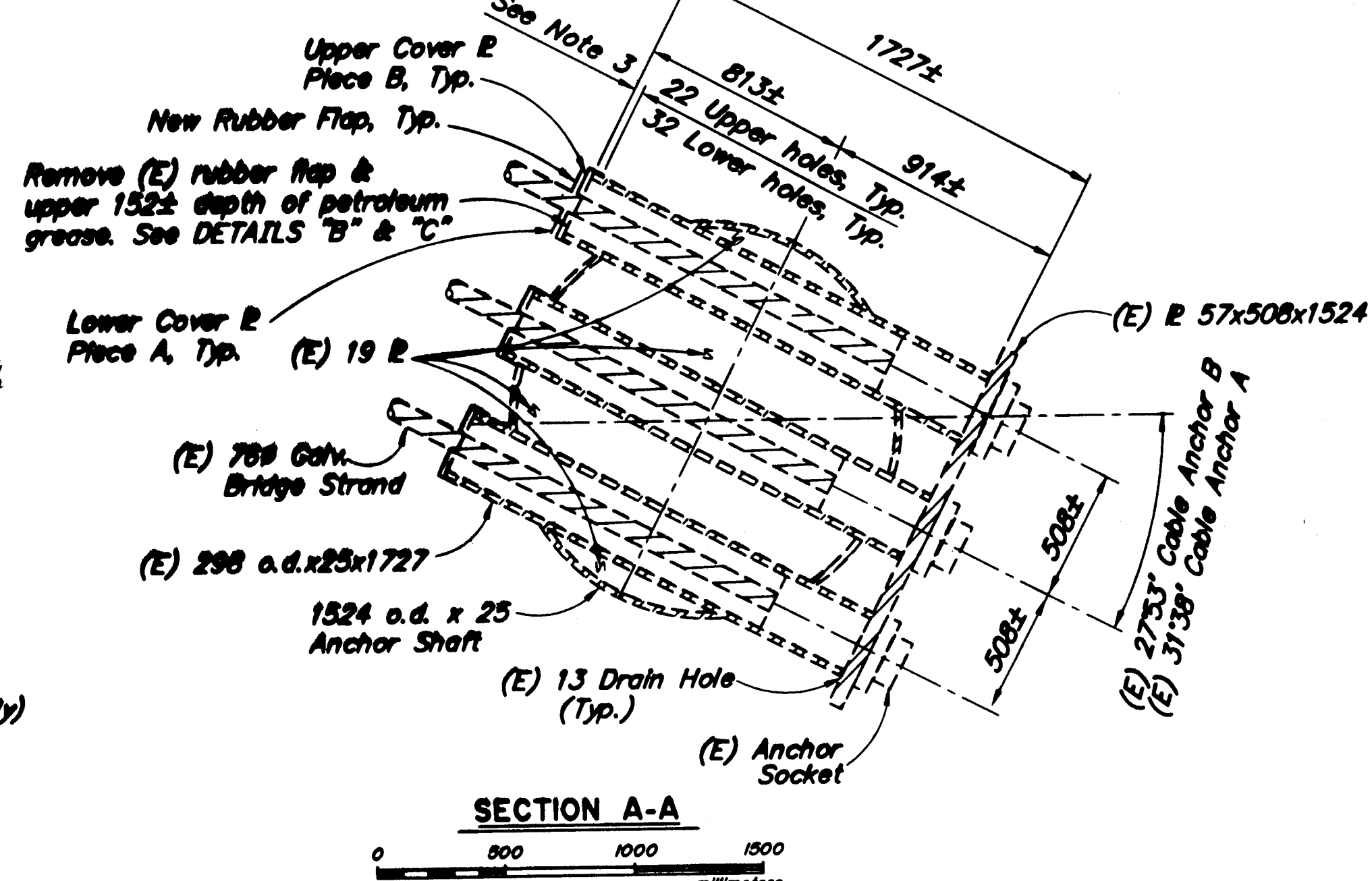
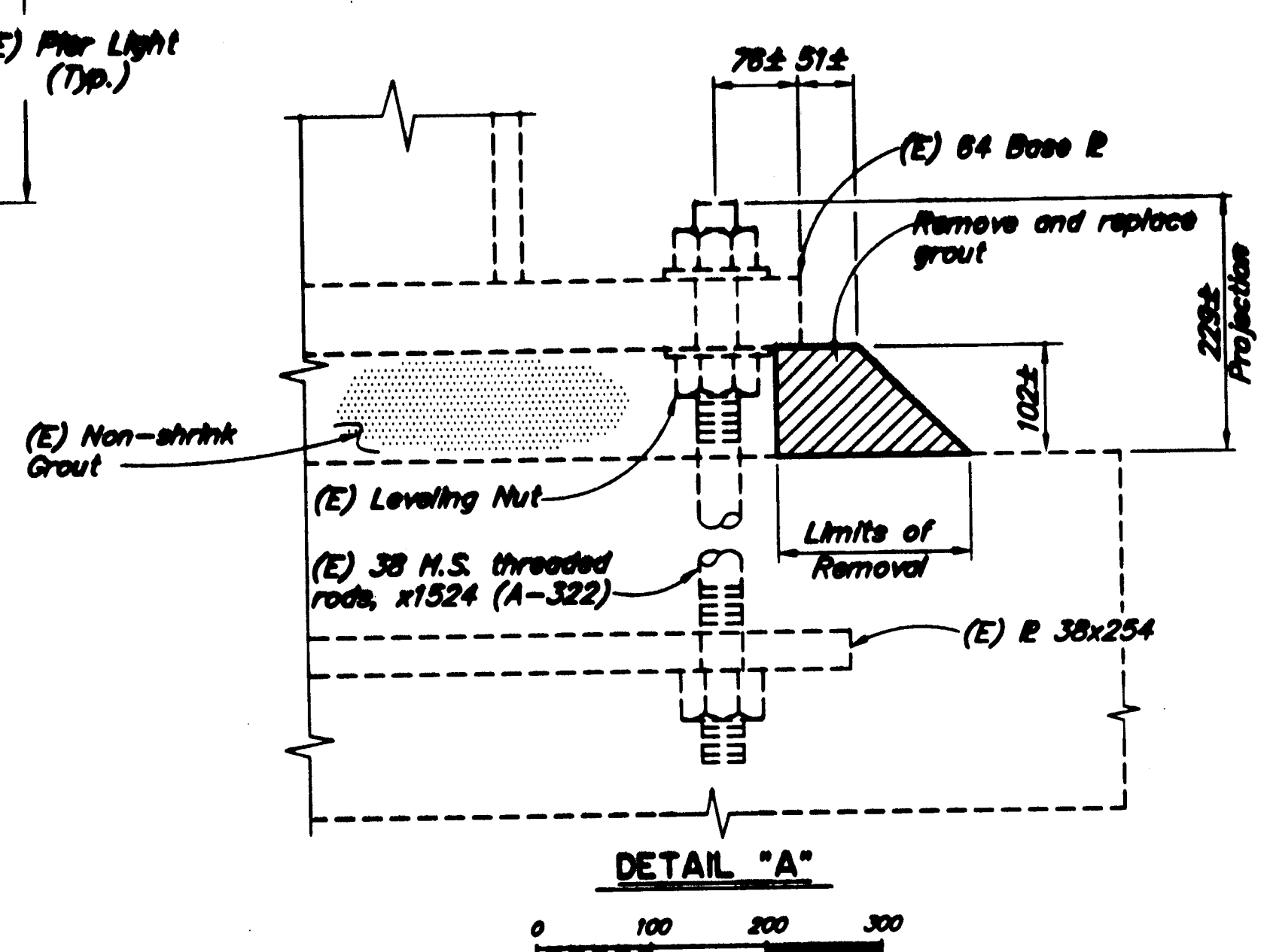
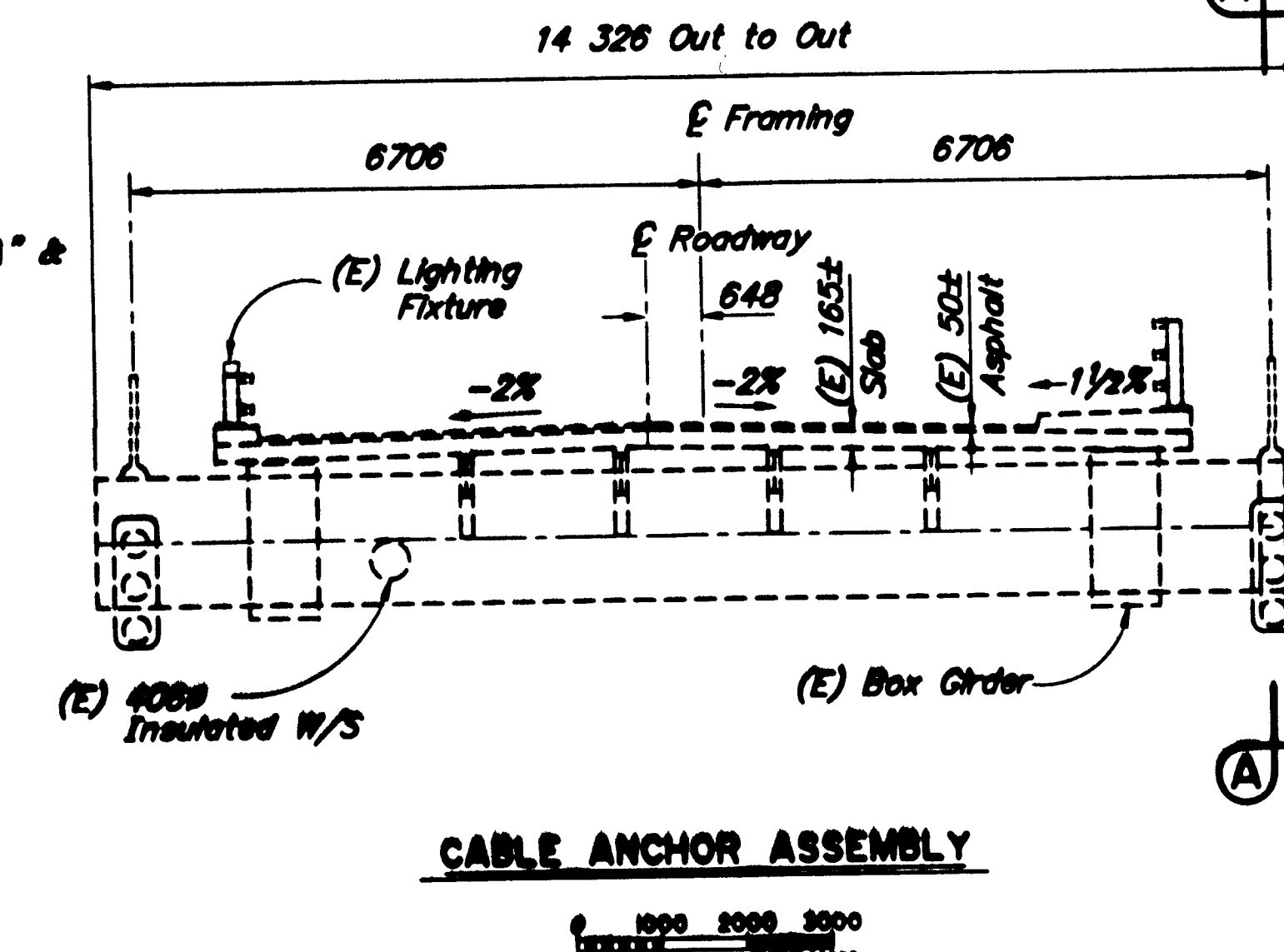
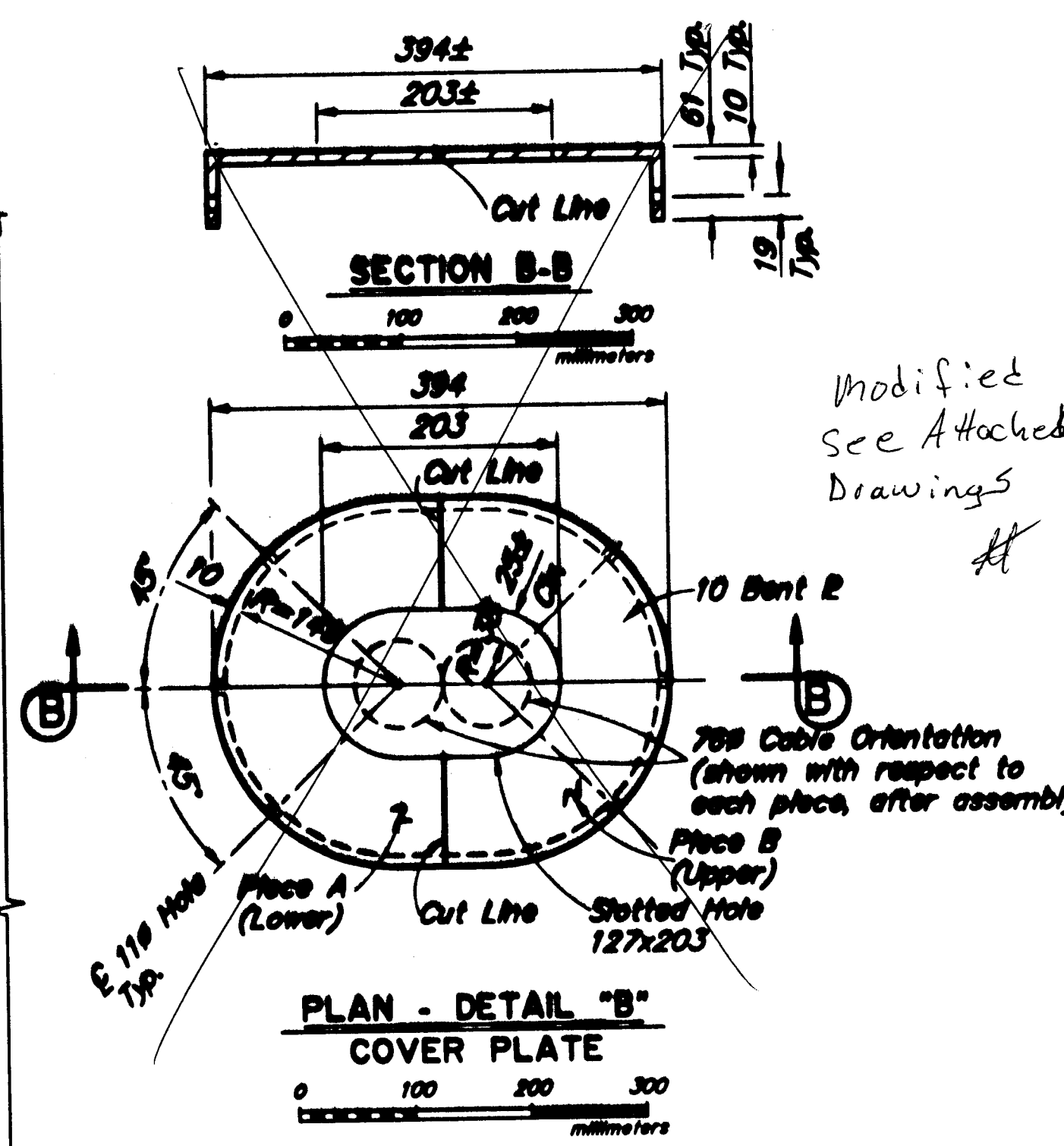
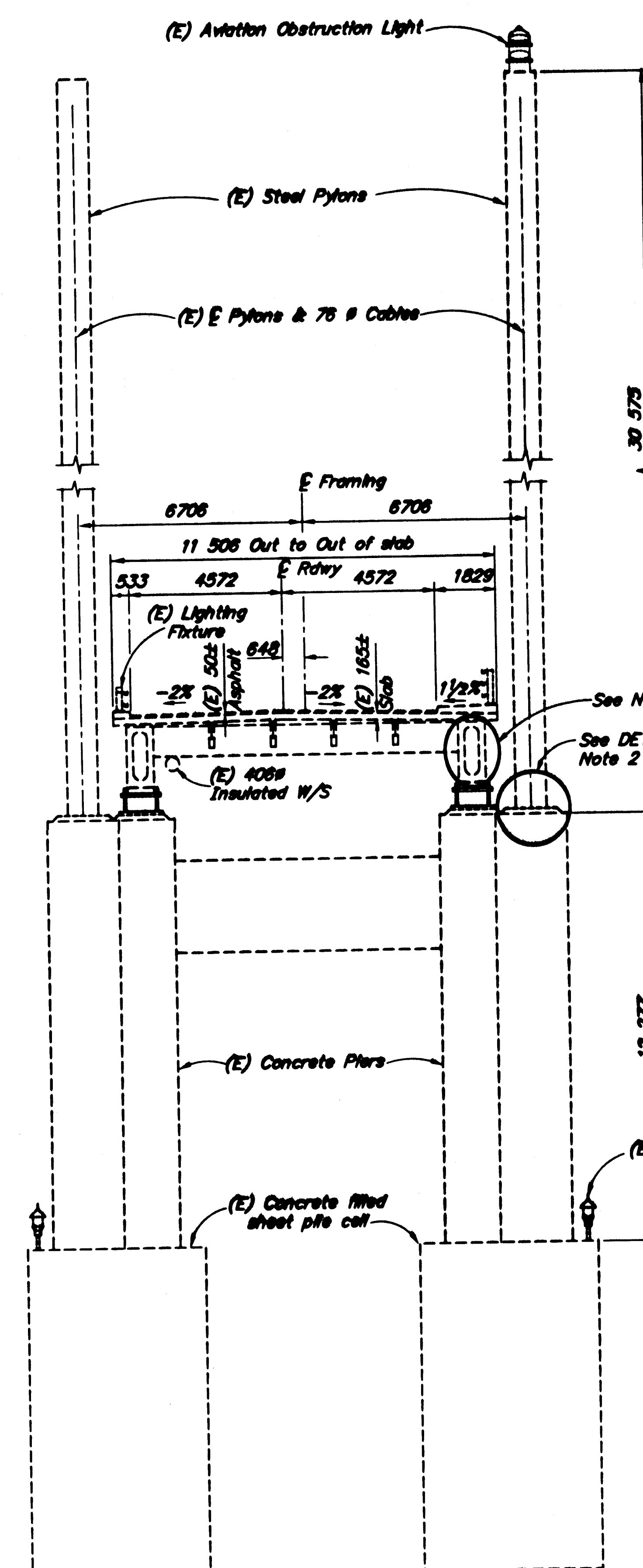
HARBOR DRIVE

GENERAL LAYOUT

STATE of ALASKA
DEPARTMENT of TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA



248
1



- NOTES:**
1. Install 10#x108 cotter pin for each side of 102# upper horizontal pin with recessed pin nut at hanger near Pier 7, north side. Tighten pin nuts to expose cotter pin holes.
 2. Repair grout pads at bearings for pylons at Piers 5 & 6 and at abutment 1 bearings. Repair detail at abutment 1 bearing is similar to Detail "A".
 3. Drill and tap 6 holes for galv. 10# bolts. See cover plate details for hole locations.
 4. Remove and replace damaged, stripped, or missing, black H.S. bolts (19#x60) or nuts at hatches.
- Dimensions are in millimeters
- Elevations, Bearings and Dimensions are based on "AS-BUILT" plans. Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

REHABILITATION

SITKA HARBOR BRIDGE

HARBOR DRIVE

TYPICAL SECTION AND MISCELLANEOUS DETAILS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA

DESIGNED BY: SJK
CHECKED BY: ATO
DATE: 6-17-93

PROJECT: 49TH
SHEET: 245
OF: 2

(E) = Existing
--- = Existing
— = Proposed

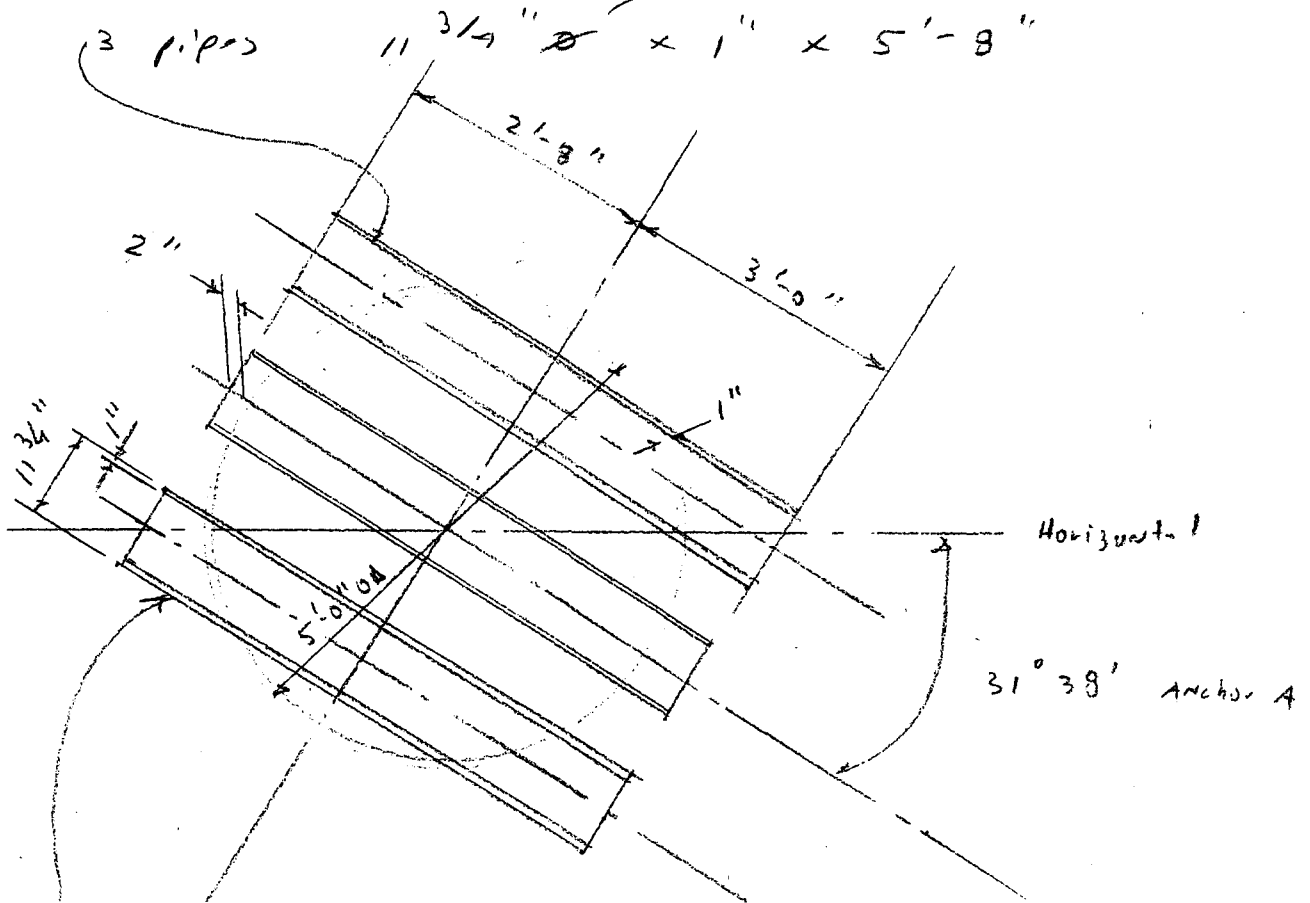
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
Computations

For Sitka Harbor

Project No. _____
Bridge No. 215
Calc. by SH Date 9/8/01
Checked by _____ Date _____

(E) cable anchor stay

0. Δ_r



SECTION A-A
1/2" = 1 ft

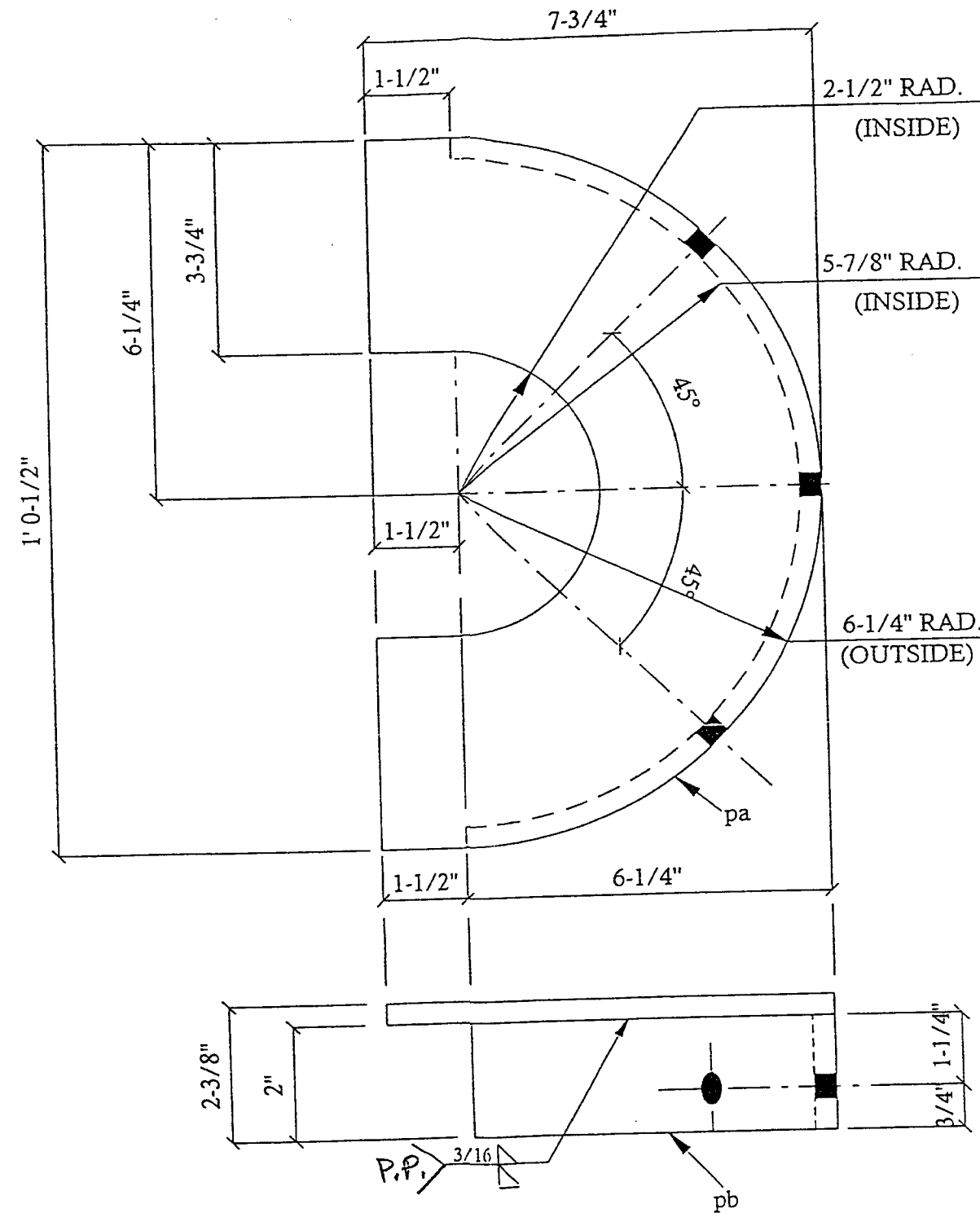
Offset For Holes

Lower A

61-10-19 = 32 mm
+ + +
leg + end
dist

Upper A

61-10-10-19 = 2
+ + + + mm
leg + + end
dist

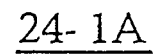


24-2A

BRIDGE # 715

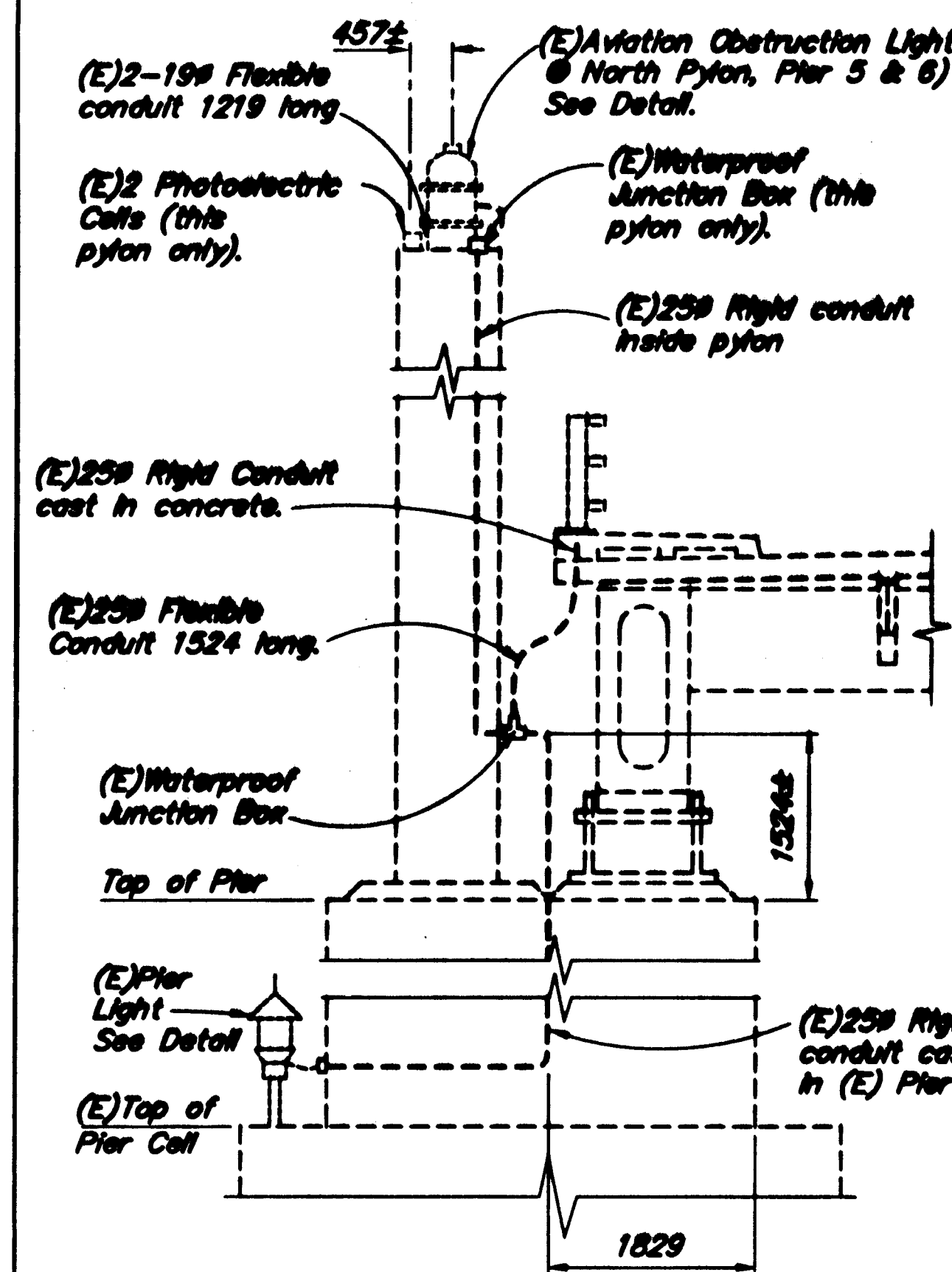
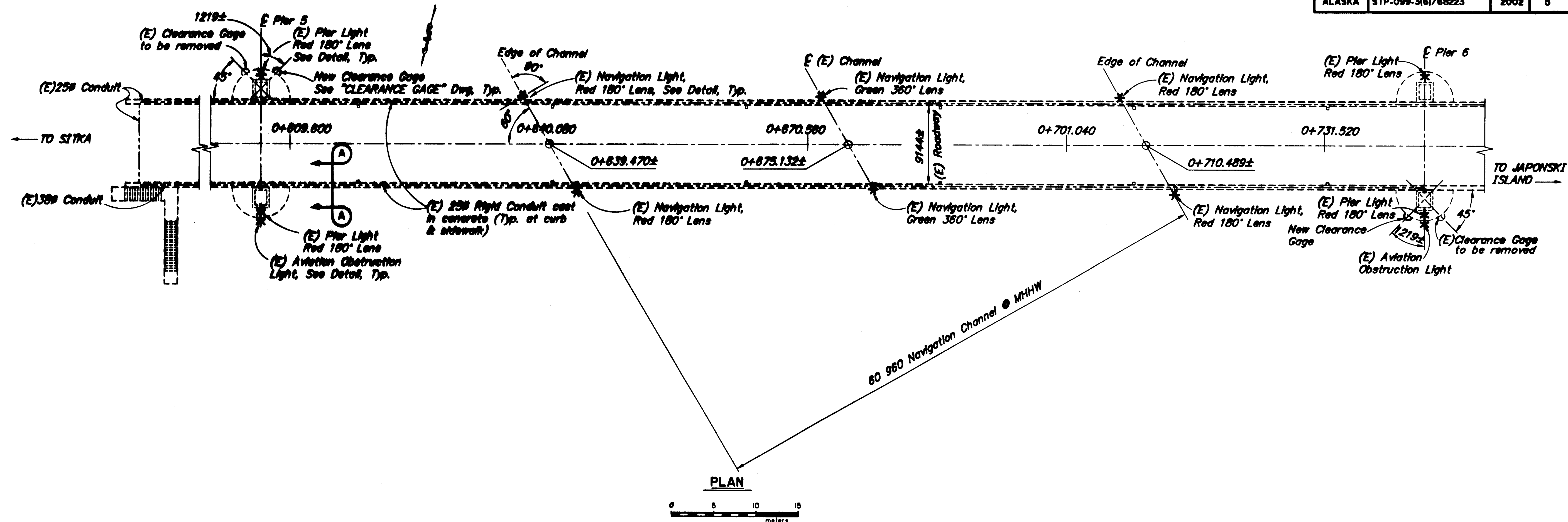
										REV.		DATE		Keiser STEEL FABRICATORS, INC.											
										DRAWN BY:		DATE													
										RA		4/02		CUSTOMER: SWALLING CONSTRUCTION											
										CHK. BY:		DATE:													
										TM		4/02		PROJECT: SITKA HARBOR REHAB											
										HOLES:		7/16" DIA.													
										MATERIAL:		A36		TITLE: COVER PLATE											
										FINISH:		GALV													
										REF. DWG.		4/10/02 FAX		REV. NO.		02-16		DWG. NO.		2		REV.		1	
										1		PER APPROV.		5-3-02											

PER APPROV. 5-3-02

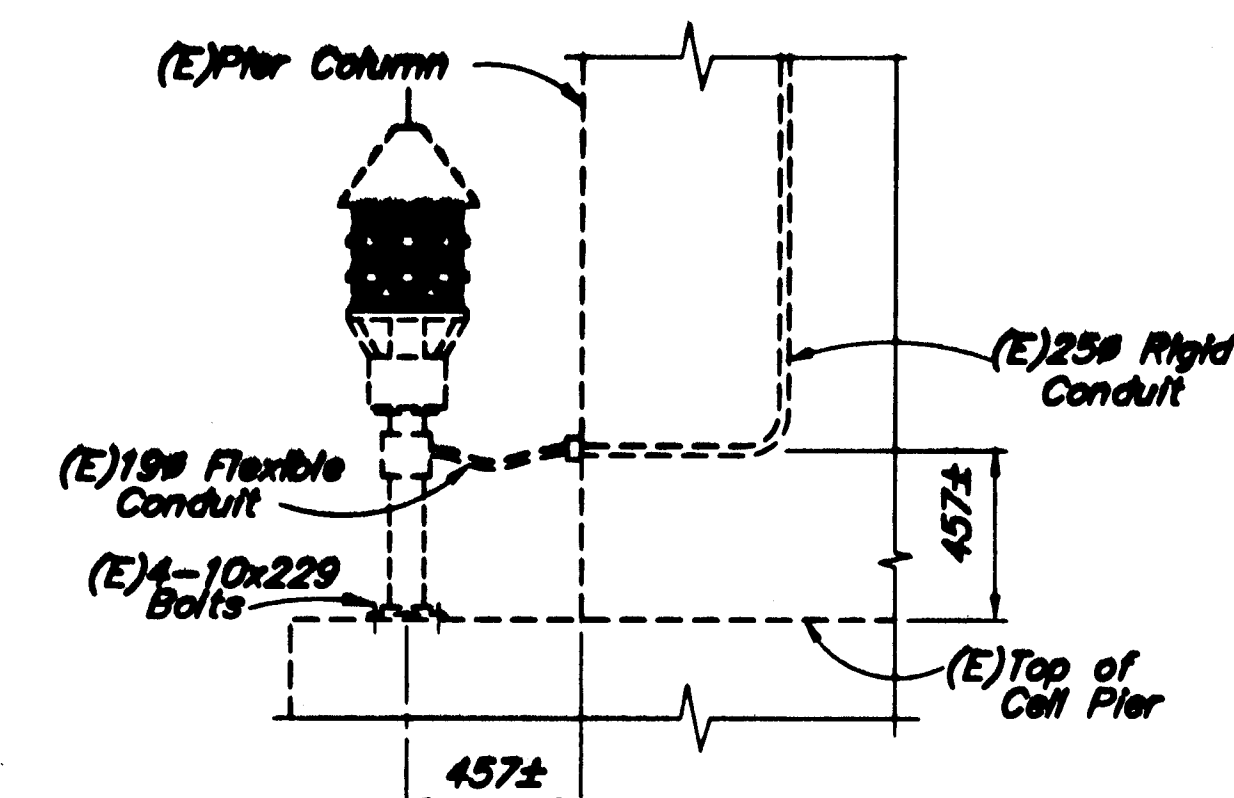
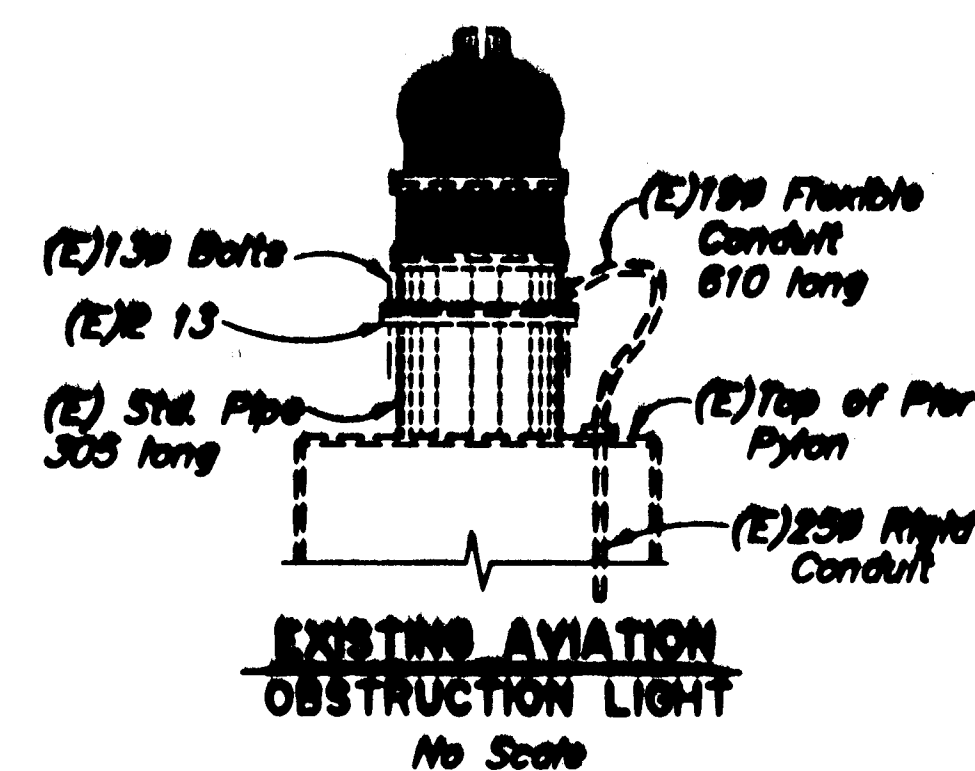


~~1~~ PGR Appr: CC 5-3-02

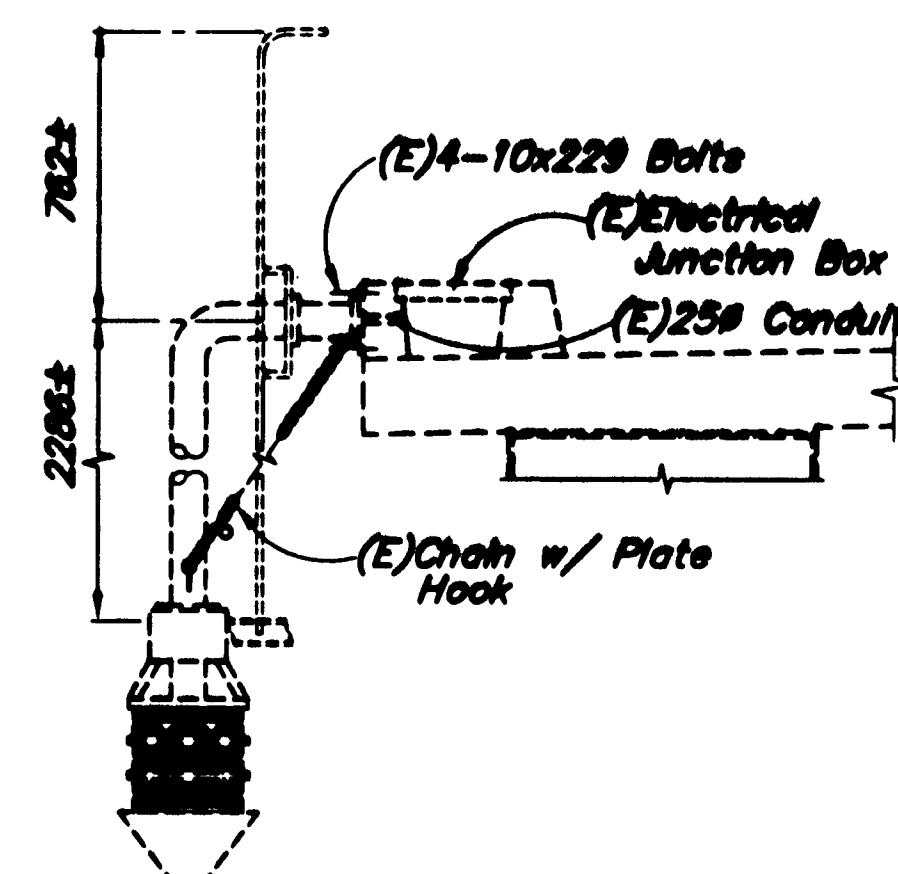
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-099-3(6)/66223	2002	5	9



EXISTING SECTION A-A



EXISTING PIER LIGHT
PEDESTAL MOUNTED TYPE
No Scale



EXISTING NAVIGATION LIGHT
SWIVEL SUSPENSION TYPE
No Scale

NOTES:

Remove and dispose of (E) Navigation lights, (E) Aviation Obstruction lights, and (E) Clearance Gages. Replace with new LED Navigation lights, LED Aviation Obstruction lights, and Clearance Gages. (Including Support Brackets, Facing and Hardware).

The Contractor shall field verify the bolt pattern of the lantern base for the existing navigation and aviation obstruction lights prior to ordering replacement lanterns.

- (E) = Existing
 - = Existing
 - - - = Proposed
 - * = Navigation/Obstruction Light
 - △ = (E) Clearance Gage
 - = New Clearance Gage
- Stations and elevations are in meters, all other dimensions are in millimeters.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date 6-17-03



Elevations, Bearings and Dimensions are based on "AS-BUILT" plans. Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

REHABILITATION

Designed By: S.H.
Detail Check By: A.T.D.
Design Check By: A.T.D.

P. Vignola/0206/1402-3.dwg
10/24/2000 1:25
Plot Scale = 1:50
Drawn or Revised By: CH

SITKA HARBOR BRIDGE
HARBOR DRIVE
NAVIGATION LIGHTS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
JUNEAU, ALASKA

SHEET NO. 245
OF 245

