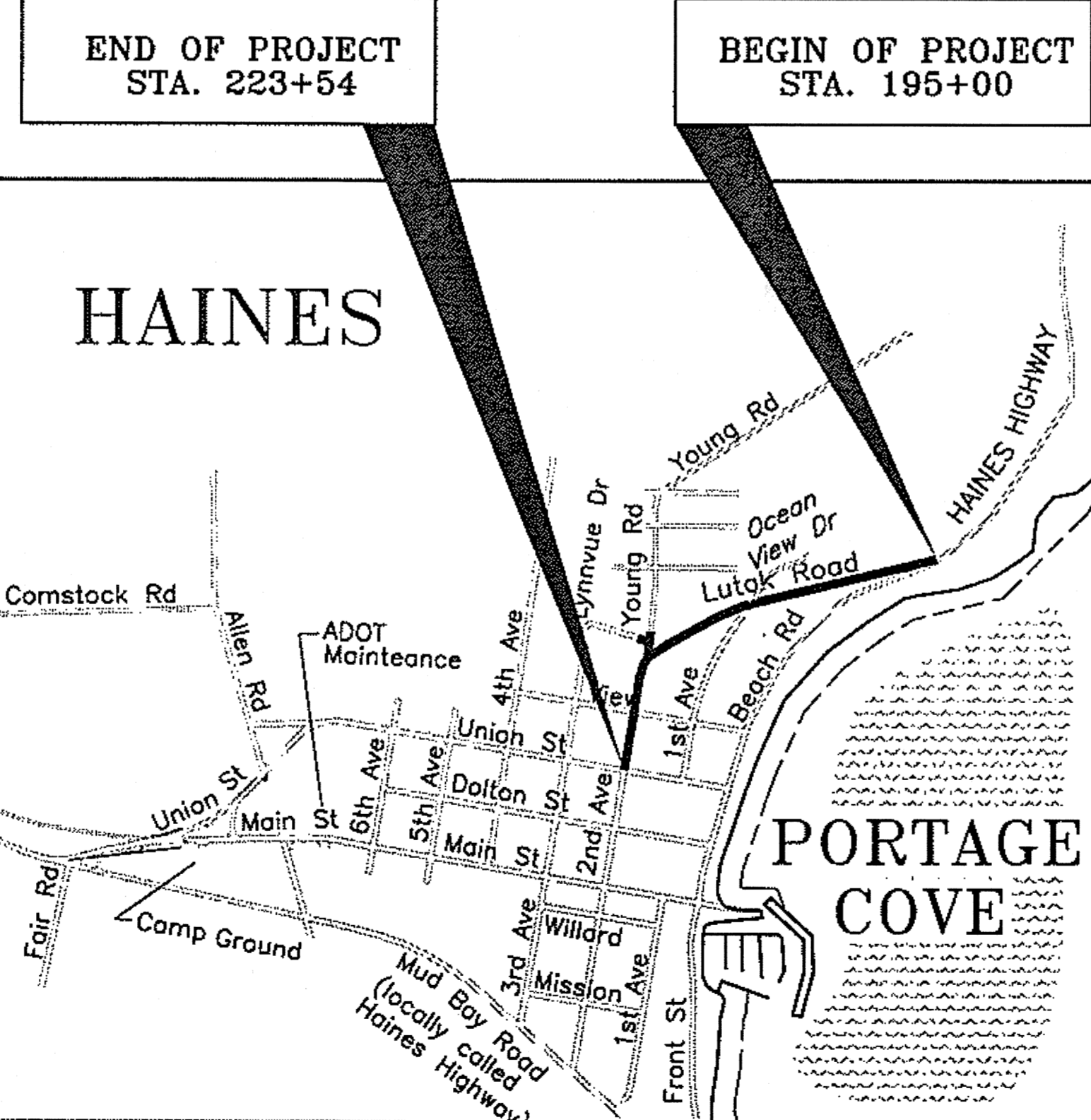
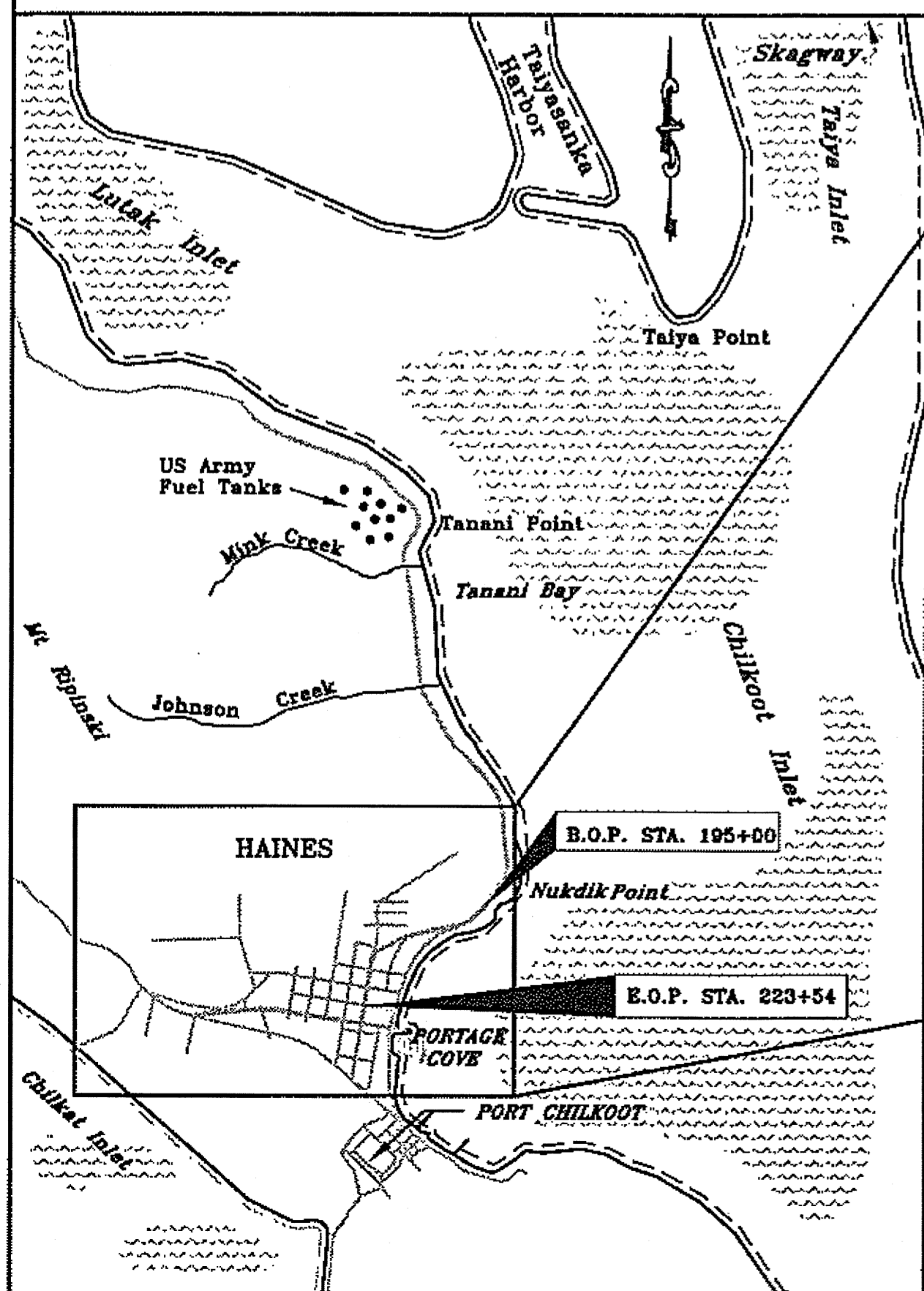


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES, ALASKA  
**HAINES HIGHWAY  
PLANSET B  
BEACH ROAD TO  
UNION STREET**  
NH-095-6(18)  
PROJECT NO. 72170

PLAN SET B - INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	SHEET LAYOUT
A4	SURVEY CONTROL
B1-B4	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	SUMMARY SHEETS
E1-E6	INTERSECTION DETAILS
F1-F3	PLAN & PROFILE
G1	ADDITIVE ALTERNATE 2 WATERLINE UPGRADES
I1-I3	SIGNING AND STRIPING PLANS AND SUMMARIES
K1	TRAFFIC CONTROL PLANS
P1-P3	EROSION AND SEDIMENT CONTROL PLAN

VICINITY MAP



DESIGN DESIGNATION

V (BOP TO STA. 210+50).....	40 MPH
V (STA. 210+50 TO EOP).....	25 MPH
ADT 2006.....	1460
ADT 2016.....	1530
ADT 2026.....	1610
DHV (2026).....	240
D .....	55/45
TRUCKS % .....	7.9%
E.A.L. ....	350,000

PROJECT SUMMARY

CDS ROUTE NO.....	298150
CDS MILEPOINT(APPROX).....	0.638 TO 0.050
LENGTH OF PROJECT.....	0.568 MILE
LENGTH OF GRADING.....	0.568 MILE
LENGTH OF PAVING.....	0.568 MILE
WIDTH OF PAVING.....	36'

DESIGN CRITERIA

NATIONAL HIGHWAY STANDARDS (NHS)  
REHABILITATION - 3R

THE FOLLOWING STANDARD DRAWINGS  
APPLY TO THIS PROJECT:

- A-1
- C-03.10, C-04.12, C-05.10
- D-01.02, D-04.21, D-20.03, D-22.01, D-23.01
- D-26.02, D-35.00
- E-00.00, E-13.00
- I-81.00, I-20.13, I-21.01
- M-13.01, M-16.01
- S-00.10, S-01.00, S-05.01, S-20.10, S-30.03
- T-5.10, T-06.00, T-21.02, T-23.00

CITY & BOROUGH OF JUNEAU (CBJ)  
STANDARD DRAWINGS:

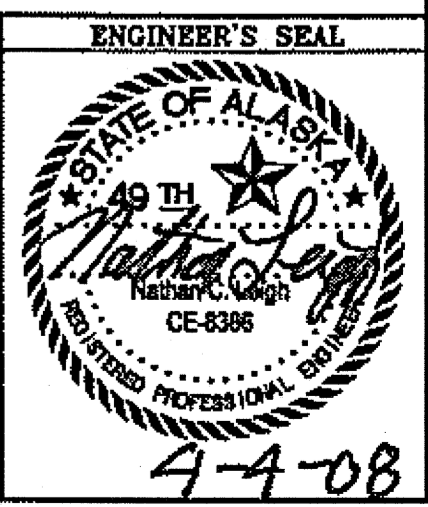
403, 406, 407

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

APPROVED: *Jack W. Beale* Date: 4/9/08  
Regional Preconstruction Engineer

APPROVED: *Matthew S. Lipp* Date: 4/10/08  
Director, S.E. Region

PROJECT NUMBER: NH-095-6(18) 72170	ENGINEER'S SEAL
DATE: April, 2008	
SHEET 1 OF 27	



SHEET NUMBER	TOTAL SHEETS
<b>A2</b>	<b>27</b>
STATE	YEAR
ALASKA	2008

PROJECT DESIGNATION NUMBERS  
 NH-095-6(18)- NO 72170

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:  
 AP KEB NCL

ELECTRONIC PATHWAY:  
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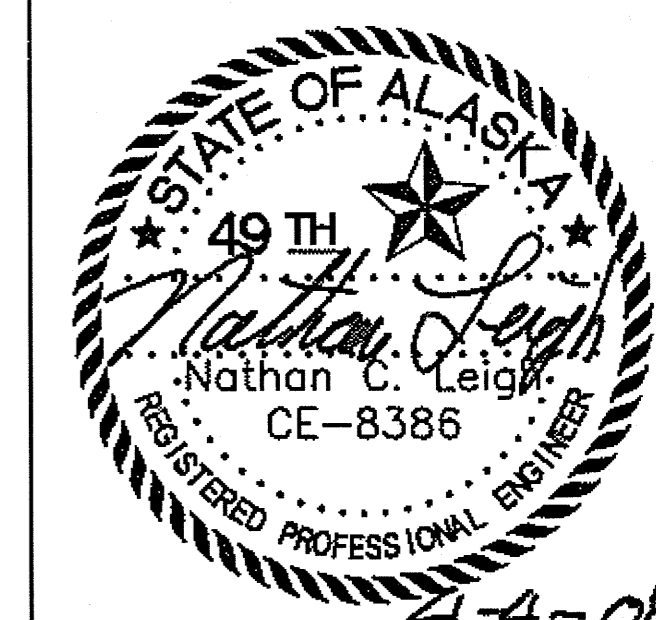
EDTIME  
 APRIL 2008

STANDARDS:  
 REHABILITATION 3R

SPECIFICATIONS:  
 SSHC 2004

PREPARED BY: USKH INC.

# LEGEND & GENERAL NOTES



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION

HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

## STANDARD RIGHT OF WAY SYMBOLS

LOT/BLOCK/USS/SECTION, TOWNSHIP & RANGE LINE	T.17N. R.2W. SM T.16N. R.2W SM
1/4 SECTION LINE	---
1/16 SECTION LINE	---
PROPERTY LINE	---
EASEMENT LINE (PROPOSED)	---
EASEMENT LINE (EXISTING)	---
RIGHT-OF-WAY LINE (PROPOSED)	---R/W---
RIGHT-OF-WAY LINE (EXISTING)	---R/W---
PERMIT LINE (TEMPORARY)	---CE---

	RECOVERED MONUMENT	TO BE SET MONUMENT
GLO/BLM SECTION CORNER		
GLO/BLM 1 SECTION CORNER		
GLO/BLM 1/4 SECTION CORNER		
GLO/BLM SPECIAL SURVEY MONUMENT		
PRIMARY MONUMENT		
SECONDARY MONUMENT		
C/L TYPE CASE MONUMENT		
GEODETIC CONTROL STATION		
CONTROL TRAVERSE POINT		
BENCH MARK		
POINT & NUMBER		

- GENERAL NOTES:**
- TOPOGRAPHIC INFORMATION IS BASED ON SURVEYS PERFORMED BY ADOT&PF SEPTEMBER-NOVEMBER 1997 AND NOVEMBER 1998 AND SURVEY PERFORMED BY USKH IN MAY 1999.
  - SOILS INFORMATION IS TAKEN FROM GEOTECHNICAL INVESTIGATIONS AND REPORTS BY GOLDER ASSOCIATES DATED FEBRUARY 1999.
  - RIGHT-OF-WAY LINES AND PROPERTY LINES ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY. SEE RIGHT-OF-WAY MAPS FOR LOCATION AND SURVEY CONTROL FOR PROPERTY LINES AND RIGHT-OF-WAY.
  - LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION BY OBTAINING UTILITY LOCATES, FIELD LOCATES AND EXERCISING CAUTION DURING EXCAVATING.
  - VERTICAL AND HORIZONTAL ALIGNMENTS SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISION BY THE ENGINEER.
  - PIPE LENGTHS AND LOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
  - SUPER ELEVATION SHALL BE REVOLVED ABOUT THE CENTERLINE. THE RATE OF SUPER ELEVATION AND DETAILS ARE SHOWN ON THE SURVEY CONTROL SHEET.
  - UNLESS OTHERWISE NOTED, DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS ARE EDGE OF PAVEMENT ON PAVED ROADS, AND EDGE OF GRAVEL ON GRAVEL ROADS.

## UTILITY SYMBOLS

	EXISTING	PROPOSED
OIL / FUEL	---	---
SANITARY SEWER	---	---
GAS	---	---
WATER	---	---
STORM DRAIN & PIPE NO.	---	---
FIRE HYDRANT		
METER		
VALVE or RISER		
POWER POLE		
JOINT USE POWER & TELEPHONE		
TELEPHONE		
POLE ANCHOR		
STUB POWER or TELEPHONE		
LUMINARE POLE		
UTILITY POLE		
ELECTRIC/JUNCTION BOX		
PVC CONDUIT	---	---
RIGID METAL CONDUIT	---	---
UNDERGROUND ELECTRIC	---	---
UNDERGROUND COMMUNICATION	---	---
CATCH BASIN or DROP INLET		
STORM DRAIN MANHOLE		
SEWER MANHOLE		
MONITORING WELL		
CLEANOUT		
POST		

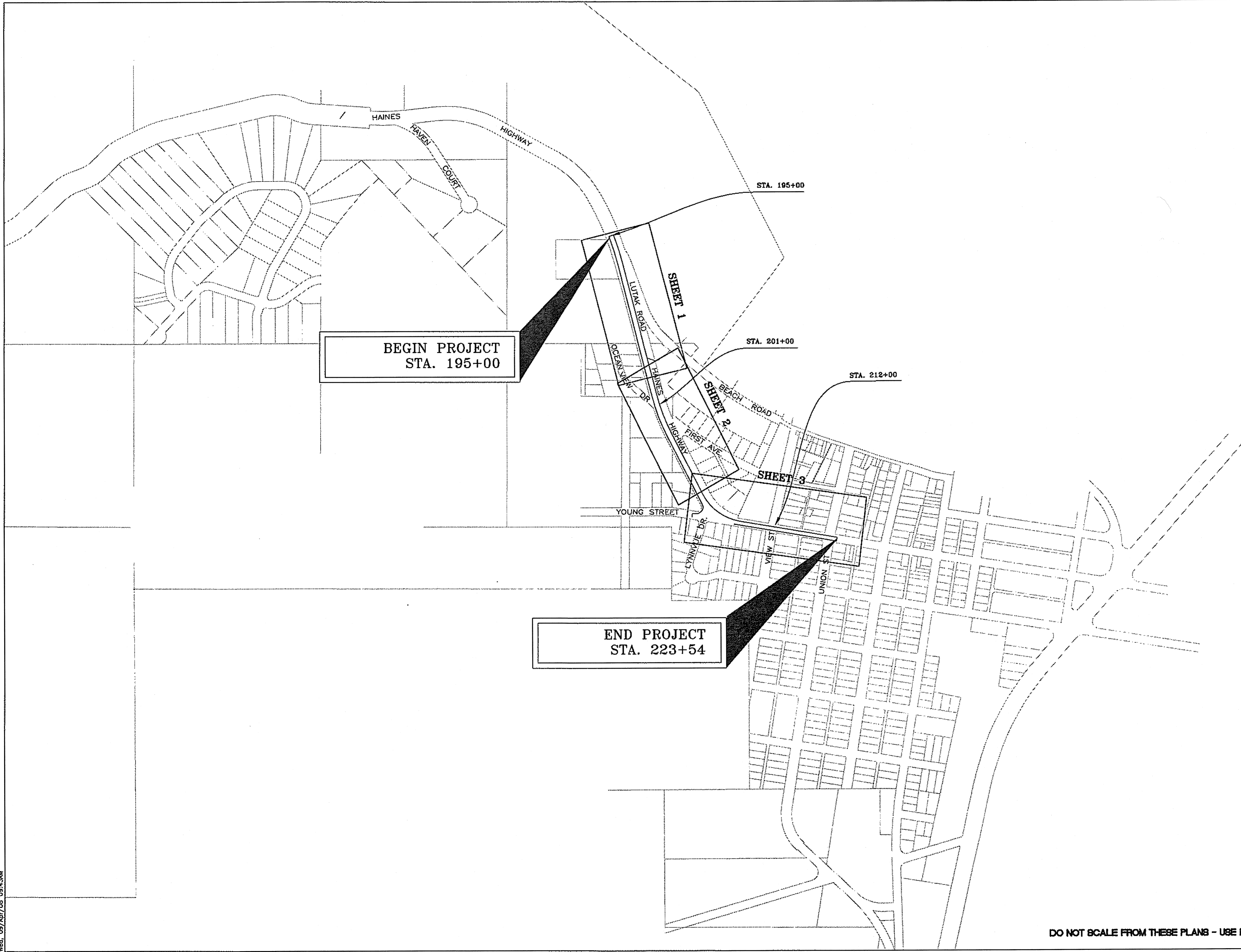
## CONTOURS

MEAN HIGH WATER	---MHW---
EXTREME HIGH TIDE	---EHT---
CONTOUR	---1.0---

## STANDARD LOCATION SYMBOLS

PROPOSED CENTERLINE	---
EXISTING CENTERLINE	---
LIMIT OF CUT SLOPE	---
LIMIT OF FILL SLOPE	---
DRAINAGE	
HEAD & WING WALLS	
RETAINING WALL	
ROCKERY WALL	
ROCK BARRIER	
MAILBOX	
BUILDINGS:	
S=SHED	G=GARAGE
H=HOUSE	B=BARN
M=MERCHANT/STORE	P=PRIVY
SS=SERVICE STATION	W=WAREHOUSE
TANK (ABOVE GROUND)	
TANK (BELOW GROUND)	
GAS PUMP	
DECIDUOUS TREE	
CONIFER TREE	
SHRUB	
RIPRAP	
BRIDGE	
FENCE LINE	---
PIPE CULVERTS & CULVERT NO.	
GUARDRAIL	
SIDEWALK	
CONCRETE CURB	
CONCRETE CURB & GUTTER	
CONCRETE CURB CUT	
DRIVEWAYS, APPROACHES	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
EDGE OF GRAVEL	
TEXT	EXISTING PROPOSED

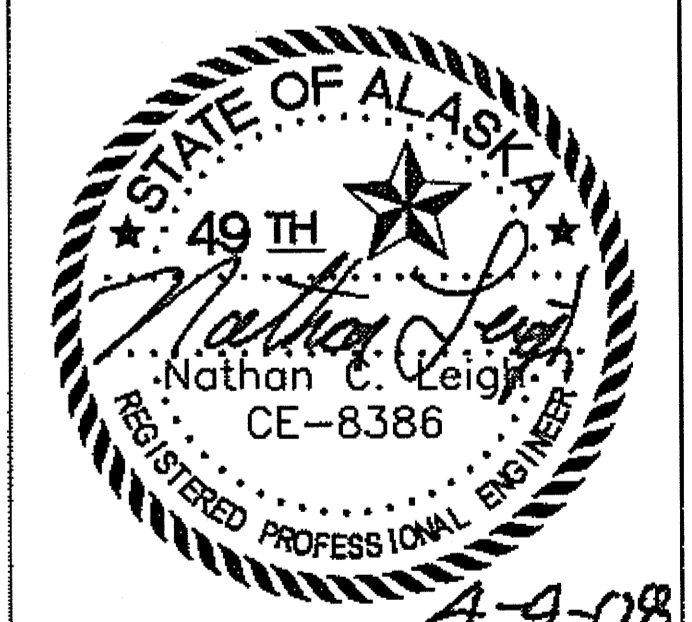
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



SHEET NUMBER	TOTAL SHEETS
<b>A3</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
I:\562202\Drawg\Sheets\A03.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

# SHEET LAYOUT



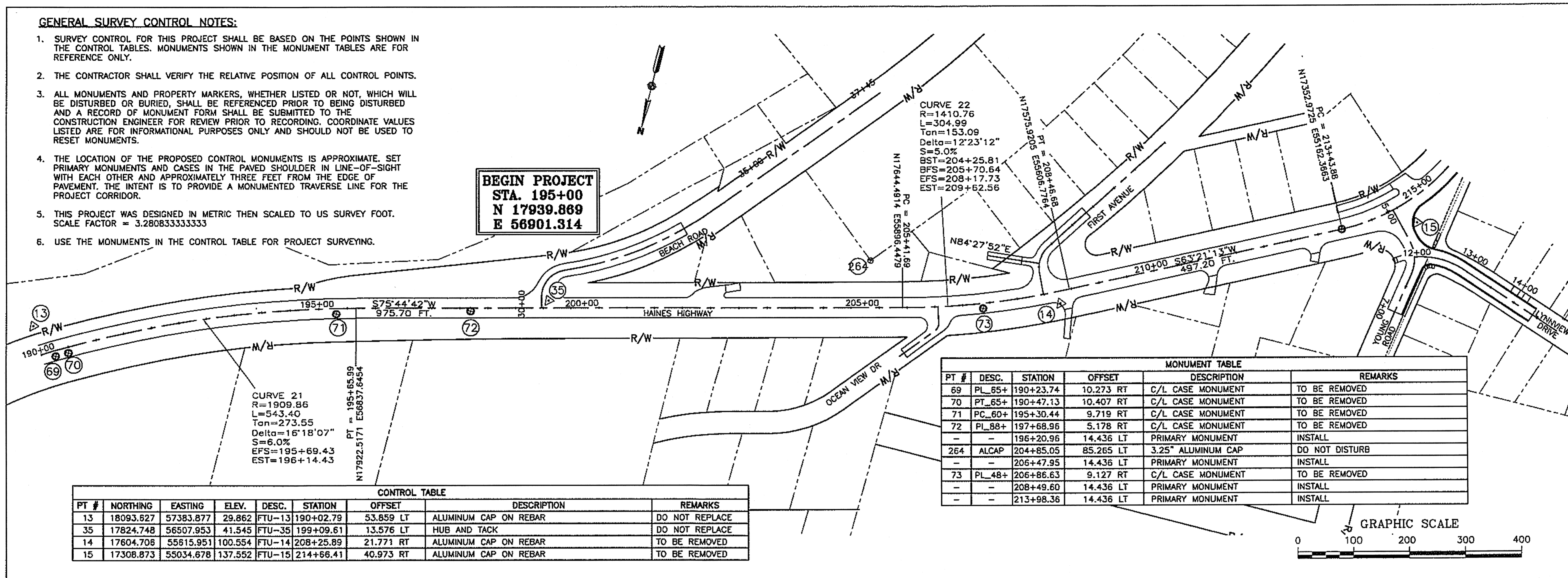
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

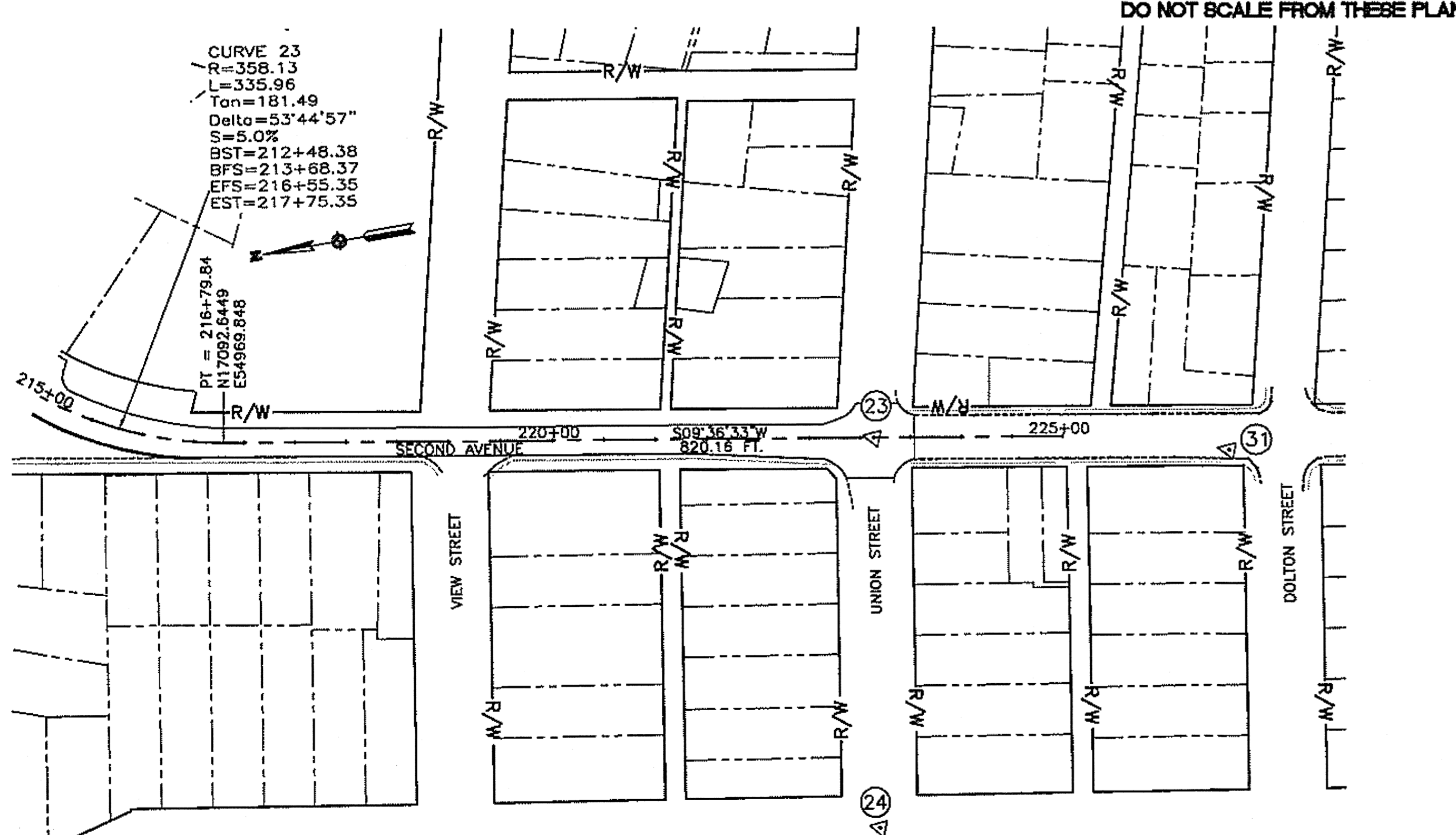
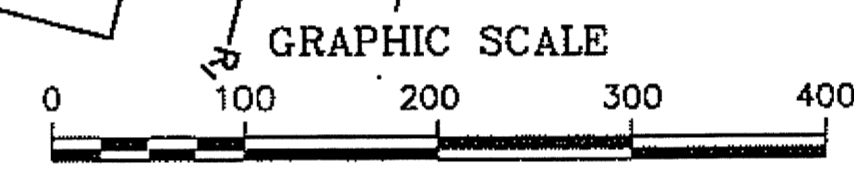
**GENERAL SURVEY CONTROL NOTES:**

1. SURVEY CONTROL FOR THIS PROJECT SHALL BE BASED ON THE POINTS SHOWN IN THE CONTROL TABLES. MONUMENTS SHOWN IN THE MONUMENT TABLES ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR SHALL VERIFY THE RELATIVE POSITION OF ALL CONTROL POINTS.
3. ALL MONUMENTS AND PROPERTY MARKERS, WHETHER LISTED OR NOT, WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED PRIOR TO BEING DISTURBED AND A RECORD OF MONUMENT FORM SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE USED TO RESET MONUMENTS.
4. THE LOCATION OF THE PROPOSED CONTROL MONUMENTS IS APPROXIMATE. SET PRIMARY MONUMENTS AND CASES IN THE PAVED SHOULDER IN LINE-OF-SIGHT WITH EACH OTHER AND APPROXIMATELY THREE FEET FROM THE EDGE OF PAVEMENT. THE INTENT IS TO PROVIDE A MONUMENTED TRAVERSE LINE FOR THE PROJECT CORRIDOR.
5. THIS PROJECT WAS DESIGNED IN METRIC THEN SCALED TO US SURVEY FOOT. SCALE FACTOR = 3.28083333333333
6. USE THE MONUMENTS IN THE CONTROL TABLE FOR PROJECT SURVEYING.



PT #	NORTHING	EASTING	ELEV.	DESC.	STATION	OFFSET	DESCRIPTION	REMARKS
13	18093.627	57383.877	29.862	FTU-13	190+02.79	53.859 LT	ALUMINUM CAP ON REBAR	DO NOT REPLACE
35	17824.748	56507.953	41.545	FTU-35	199+09.61	13.576 LT	HUB AND TACK	DO NOT REPLACE
14	17604.706	55615.951	100.554	FTU-14	208+25.89	21.771 RT	ALUMINUM CAP ON REBAR	TO BE REMOVED
15	17308.873	55034.678	137.552	FTU-15	214+66.41	40.973 RT	ALUMINUM CAP ON REBAR	TO BE REMOVED

PT #	DESC.	STATION	OFFSET	DESCRIPTION	REMARKS
69	PL_65+	190+23.74	10.273 RT	C/L CASE MONUMENT	TO BE REMOVED
70	PT_65+	190+47.13	10.407 RT	C/L CASE MONUMENT	TO BE REMOVED
71	PC_60+	195+30.44	9.719 RT	C/L CASE MONUMENT	TO BE REMOVED
72	PL_88+	197+68.96	5.178 RT	C/L CASE MONUMENT	TO BE REMOVED
-	-	196+20.96	14.436 LT	PRIMARY MONUMENT	INSTALL
264	ALCAP	204+85.05	85.265 LT	3.25" ALUMINUM CAP	DO NOT DISTURB
-	-	206+47.95	14.436 LT	PRIMARY MONUMENT	INSTALL
73	PL_48+	206+86.63	9.127 RT	C/L CASE MONUMENT	TO BE REMOVED
-	-	208+49.60	14.436 LT	PRIMARY MONUMENT	INSTALL
-	-	213+98.36	14.436 LT	PRIMARY MONUMENT	INSTALL



**END PROJECT  
STA. 223+54  
N 16427.948  
E 54857.313**

**SURVEY CONTROL**

BASIS OF BEARING IS THE RECORD BEARING OF N 64°03'33" W BETWEEN THE RECOVERED MONUMENT FOR C3, TRACT 1 USS 3151 AND C1, TRACT 2, USS 3151.

BASIS OF VERTICAL CONTROL IS USC&GS BENCH MARK 5 ELEVATION 30.351 ABOVE MLLW ADJUSTED FOR 2000 PREDICTED GLACIAL REBOUND.

MLLW=0.000  
MHW=15.492  
MHHW=16.470  
EXHW=21.197

PT #	DESC.	STATION	OFFSET	DESCRIPTION	REMARKS
-	-	216+16.72	19.600 RT	PRIMARY MONUMENT	INSTALL

PT #	NORTHING	EASTING	ELEV.	DESC.	STATION	OFFSET	DESCRIPTION	REMARKS
23	16467.923	54864.081	117.303	HNS-12	223+13.45	0.000	BRASS CAP IN CASE	SEE C.T. NOTE 1
24	16528.336	54484.013	102.769	HNS-13	223+17.33	384.820 RT	BRASS CAP IN CASE	DO NOT DISTURB
31	16126.517	54791.765	107.257	FTU-31	-	40.973 RT	PK NAIL	DO NOT DISTURB

- CONTROL TABLE NOTES:**
1. REFERENCE AND REPLACE MONUMENT 23 AND FILE A RECORD OF MONUMENT

SHEET NUMBER	TOTAL SHEETS
<b>A4</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHHC 2004	

PREPARED BY: USKH INC.

**SURVEY CONTROL**

B.O.P.  
TO  
E.O.P.



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

SHEET NUMBER TOTAL SHEETS

**B1 27**

STATE YEAR

ALASKA 2008

PROJECT DESIGNATION NUMBERS

NH-095-6(18)- NO 72170

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

AP KEB NCL

ELECTRONIC PATHWAY:

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EDTIME

APRIL 2008

STANDARDS:

REHABILITATION 3R

SPECIFICATIONS:

SSHC 2004

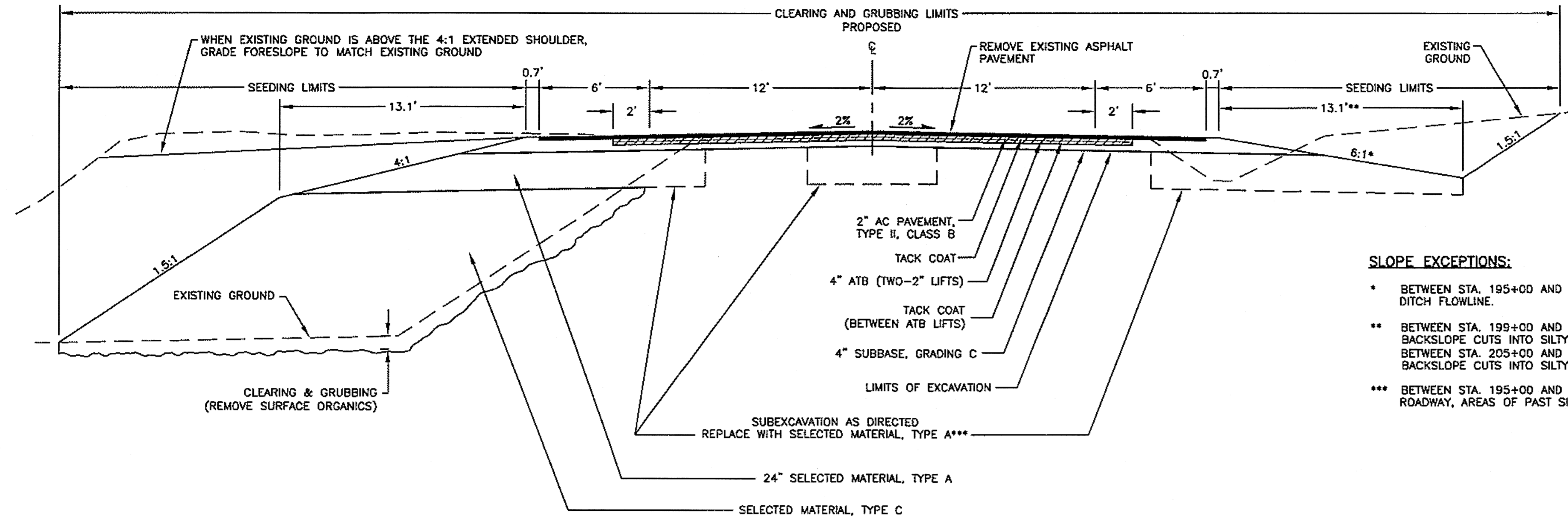
PREPARED BY: USKH INC.

**TYPICAL SECTION 1**



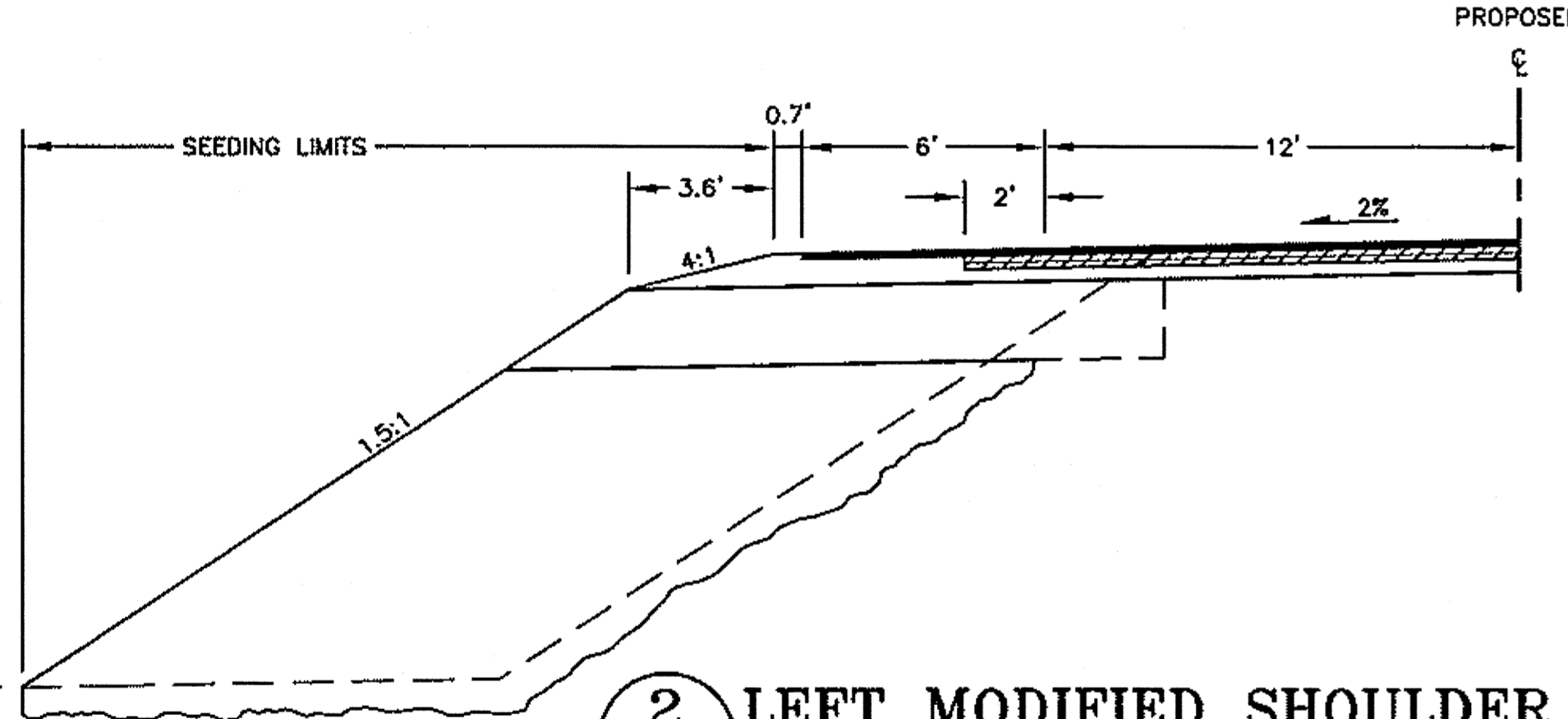
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

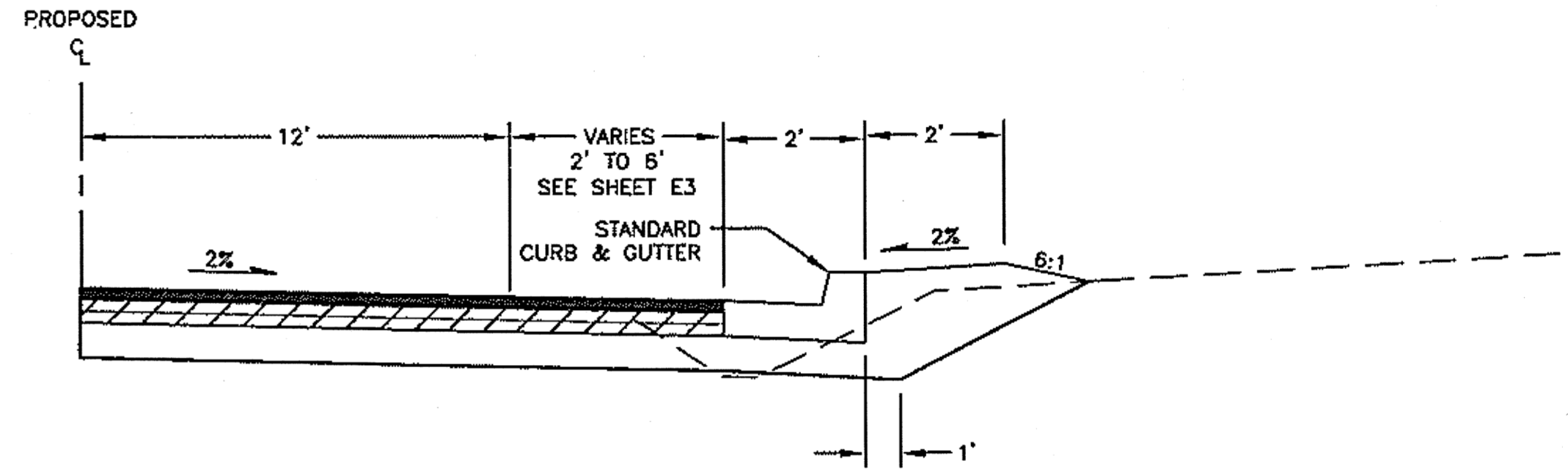


- SLOPE EXCEPTIONS:**
- \* BETWEEN STA. 195+00 AND 198+50 GRADE THE FORESLOPE TO MATCH THE EXISTING DITCH FLOWLINE.
  - \*\* BETWEEN STA. 199+00 AND 202+00 REDUCE SHOULDER TO 7'-9' TO AVOID EXCESSIVE BACKSLOPE CUTS INTO SILTY SOILS AS DIRECTED. BETWEEN STA. 205+00 AND 208+00 REDUCE SHOULDER TO 7'-9' TO AVOID EXCESSIVE BACKSLOPE CUTS INTO SILTY SOILS AS DIRECTED.
  - \*\*\* BETWEEN STA. 195+00 AND 197+90 SUBEXCAVATE 24 INCHES LEFT OF EXISTING ROADWAY, AREAS OF PAST SIDECAST CONSTRUCTION OR IN SOFT SOIL.

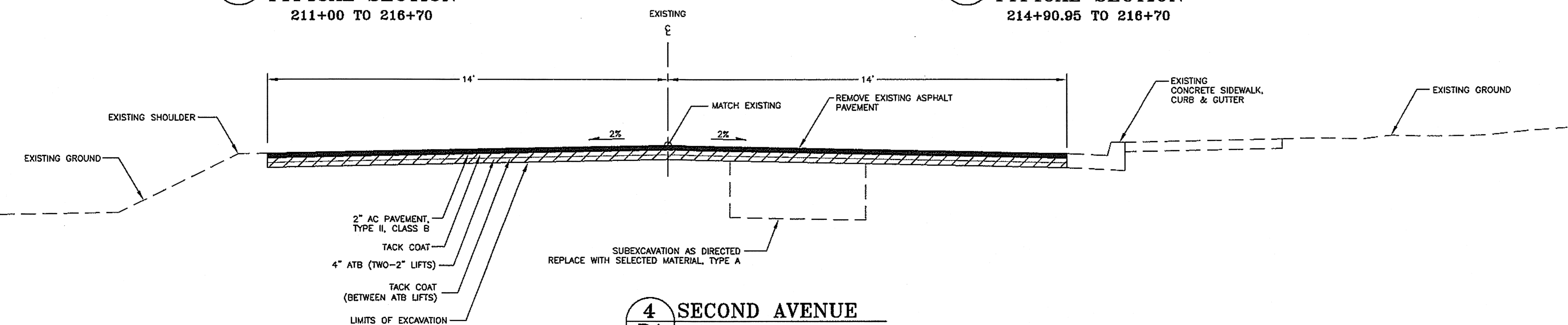
**1 LUTAK ROAD  
B1 TYPICAL SECTION  
195+00 TO 216+70**



**2 LEFT MODIFIED SHOULDER  
B1 TYPICAL SECTION  
211+00 TO 216+70**



**3 RIGHT CURB SHOULDER  
B1 TYPICAL SECTION  
214+90.95 TO 216+70**



**4 SECOND AVENUE  
B1 TYPICAL SECTION  
216+70 TO 223+62**

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

Wesl. 03/Nov/08 10:47AM

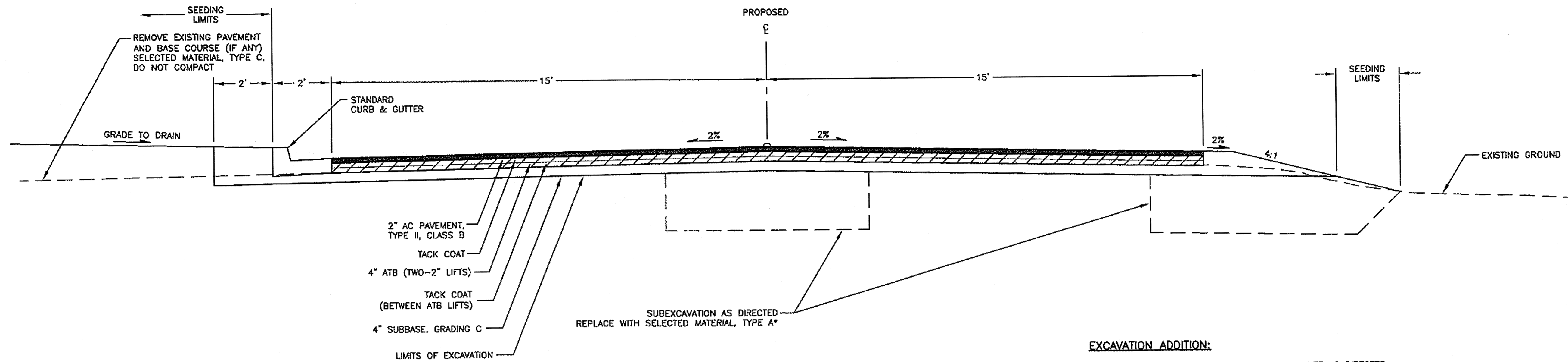
SHEET NUMBER	TOTAL SHEETS
<b>B2</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

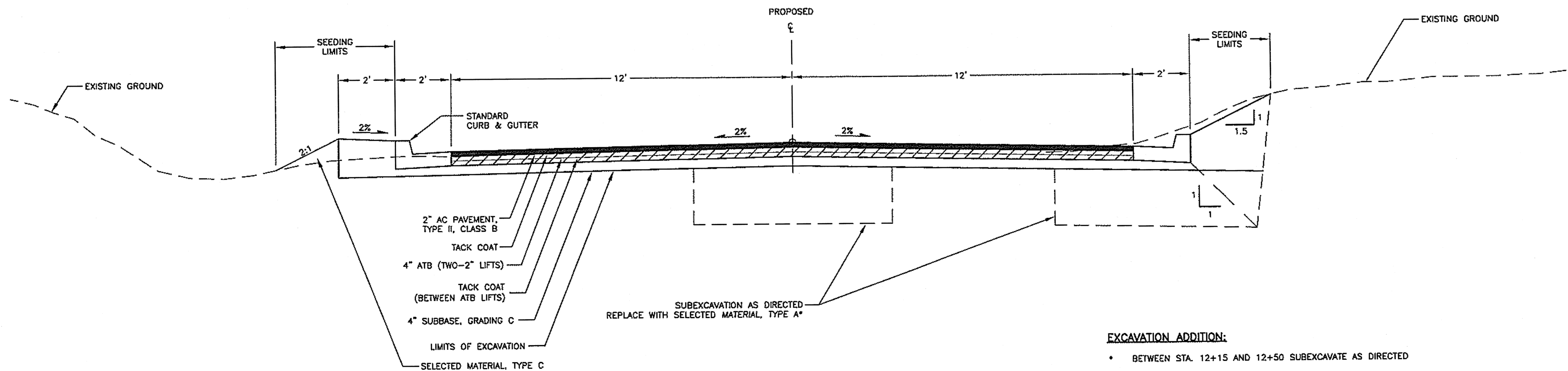
**TYPICAL SECTION 2**



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION  
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)



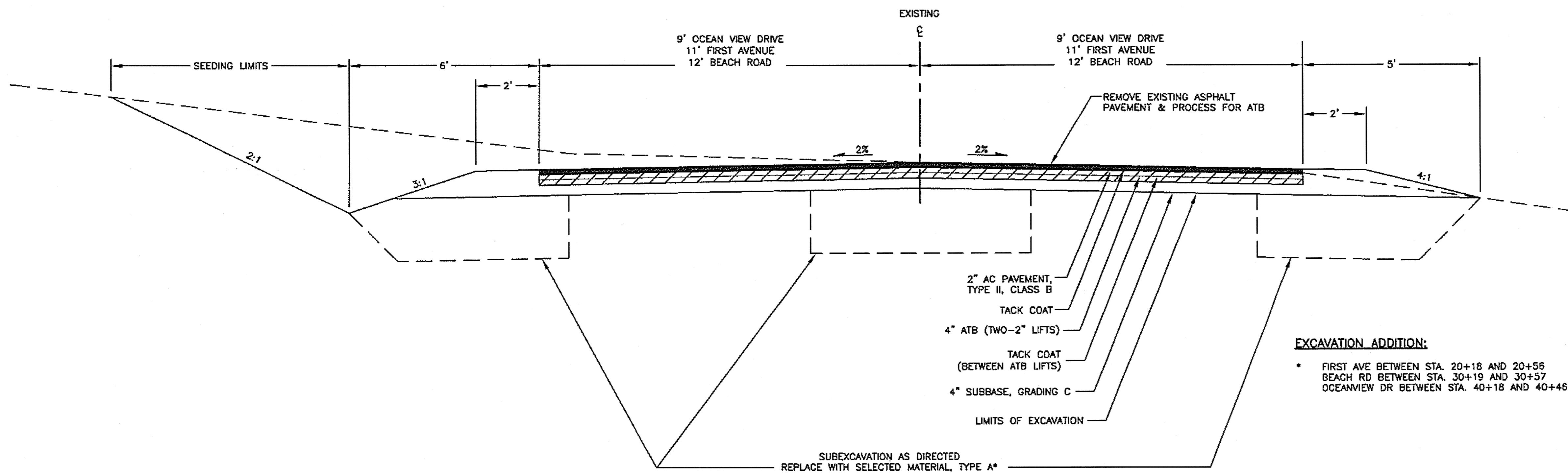
**1 YOUNG ROAD**  
**B2 TYPICAL SECTION**  
5+00 TO 7+00



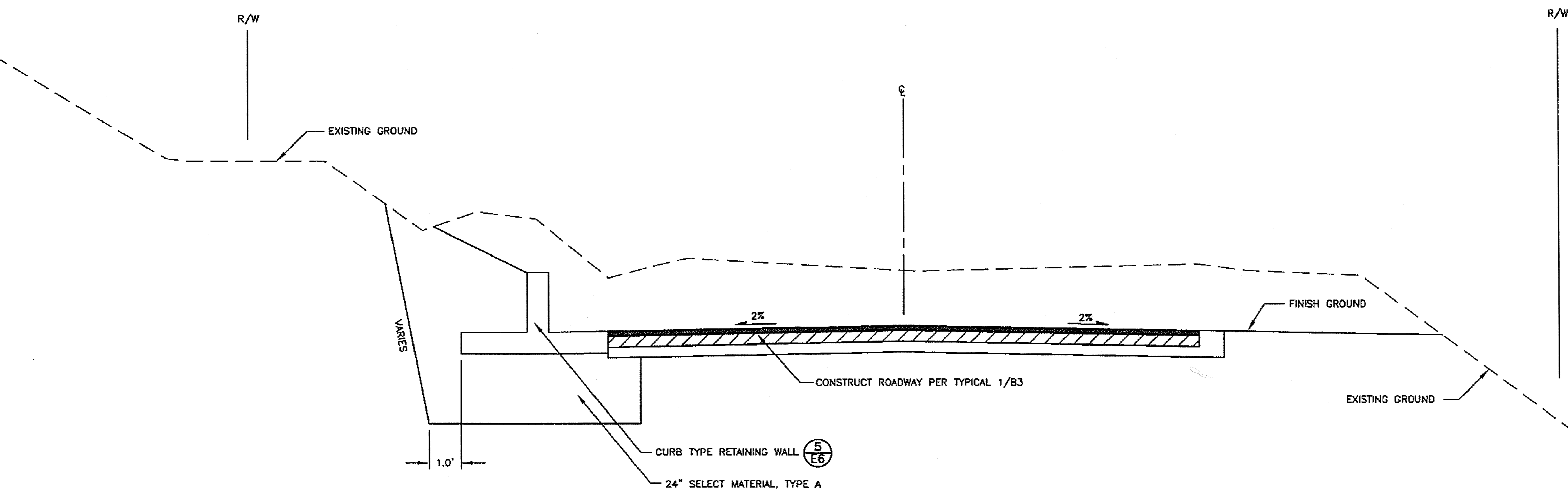
**2 LYNNVUE DRIVE**  
**B2 TYPICAL SECTION**  
12+00 TO 14+40

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SHEET NUMBER	TOTAL SHEETS
<b>B3</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



**1** TYPICAL SECTION  
**B3** FIRST AVENUE: 20+18 TO 21+84  
 BEACH ROAD: 30+18 TO 33+19  
 OCEANVIEW DRIVE: 40+18 TO 40+90



**2** OCEAN VIEW DRIVE TYPICAL RETAINING WALL SECTION  
**B3** STA. 40+33 TO STA. 40+96

NOTE:  
 SLOPE LABELED AS "VARIES" MAY BE CONSTRUCTED  
 AS IS REQUIRED FOR SAFETY AND AS IS  
 PRACTICABLE.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

PREPARED BY: USKH INC.

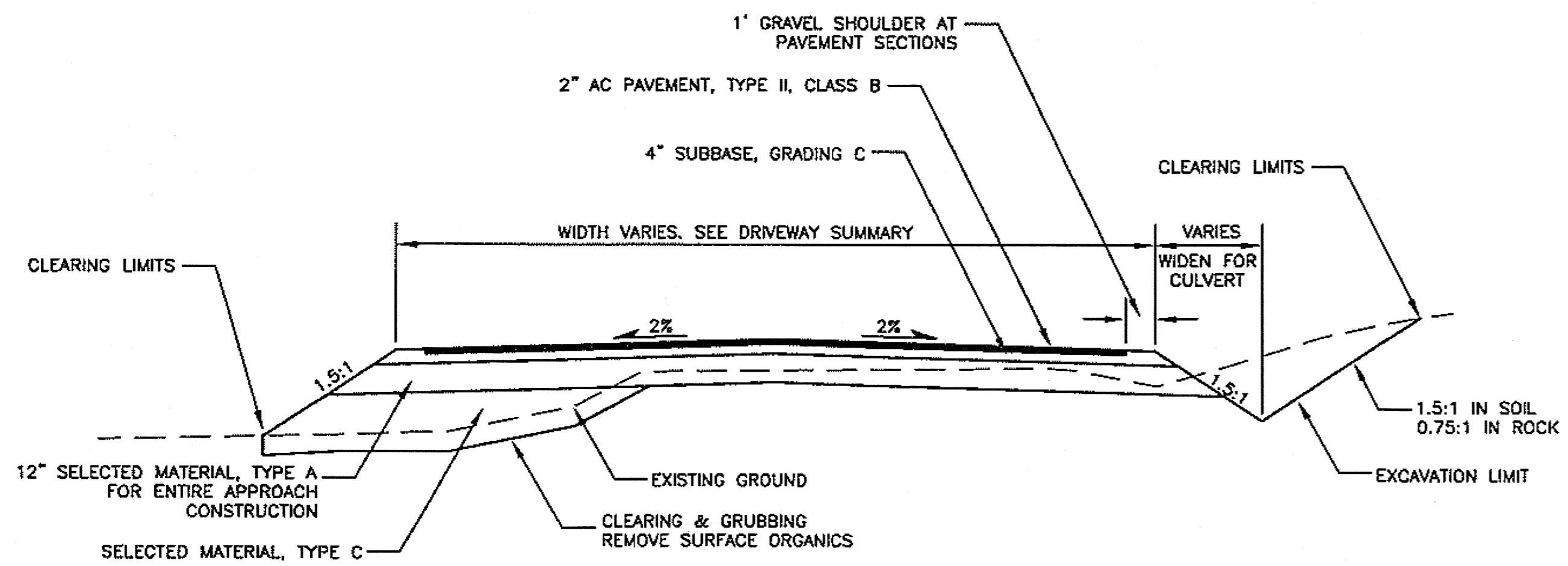
TYPICAL SECTION  
 3



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION

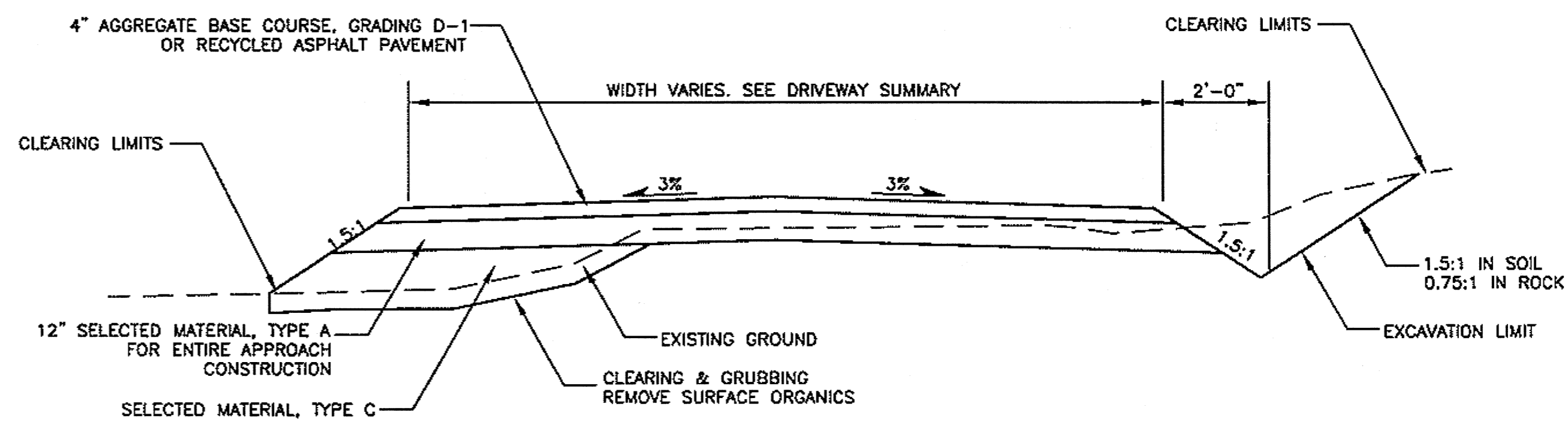
HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

SHEET NUMBER	TOTAL SHEETS
<b>B4</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



**1 TYPICAL DRIVEWAY SECTION (PAVED)**  
**B4** NTS

NOTE:  
TYPICAL APPLIES TO RESIDENTIAL DRIVEWAYS.

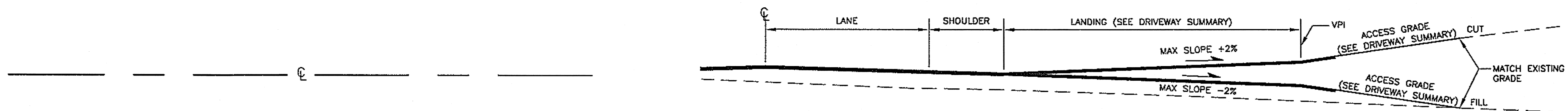


**2 TYPICAL DRIVEWAY SECTION (UNPAVED)**  
**B4** NTS

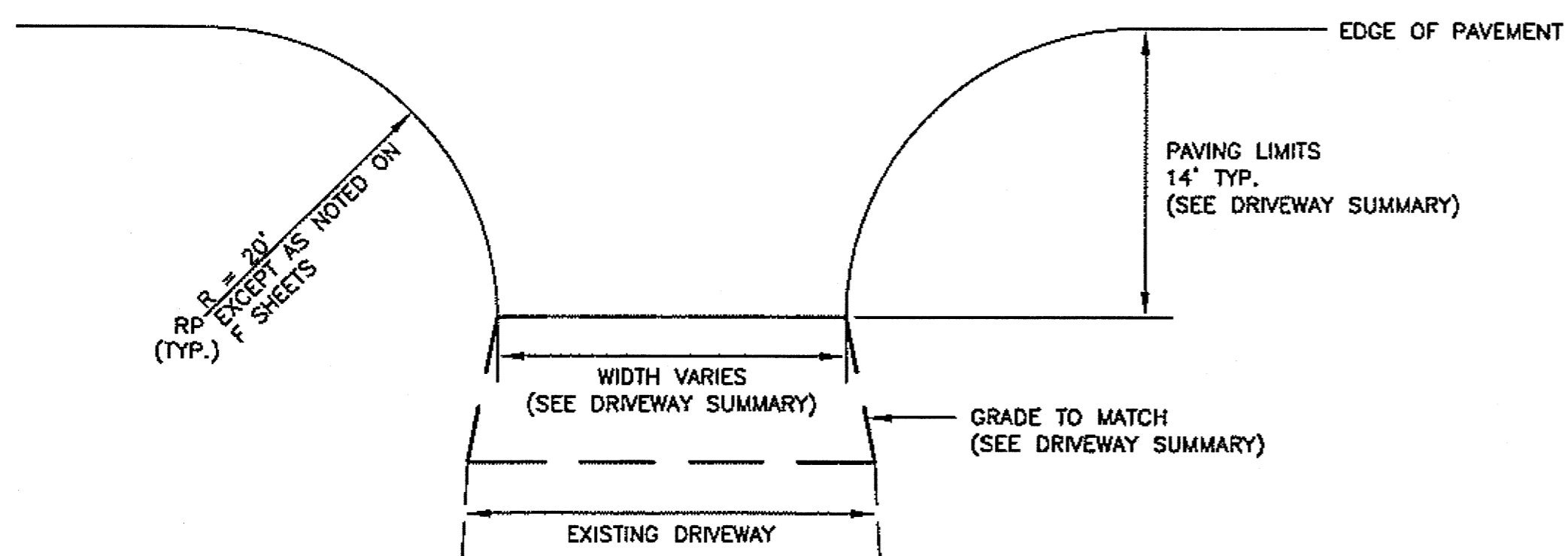
NOTE:  
TYPICAL APPLIES TO DRIVEWAYS REQUIRING RECONSTRUCTION & GRADING BEYOND PAVING LIMITS SHOWN ON DETAIL **3 B4**

PREPARED BY: USKH INC.

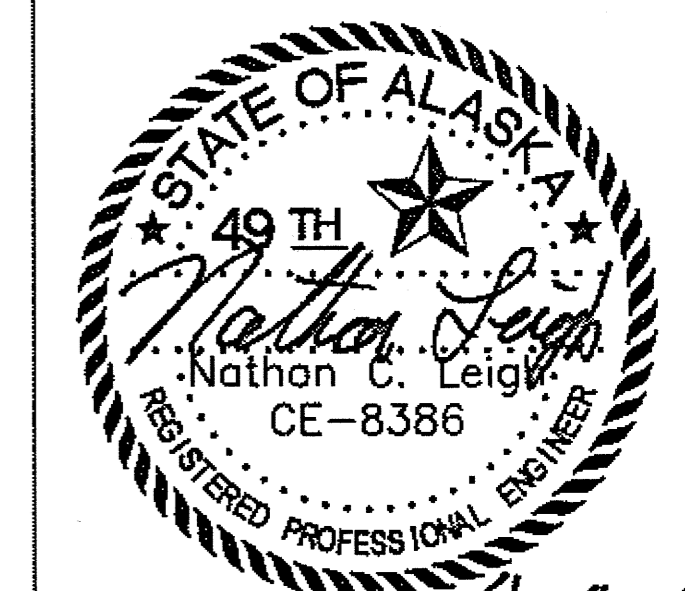
**TYPICAL SECTION 4**



**4 TYPICAL DRIVEWAY PROFILE**  
**B4** NTS



**3 TYPICAL RADIUS DRIVEWAY PLAN**  
**B4** NTS



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



# ESTIMATE OF QUANTITIES

## ADDITIVE ALTERNATE 1

ITEM NO.	ITEM	UNIT	TOTAL
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	13,690
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1315
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	333
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	17,550
203(6A)	BORROW, TYPE A	TON	14,000
203(6C)	BORROW, TYPE C	TON	500
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	108
304(1)	SUBBASE, GRADING C	TON	4,550
306(1)	ATB	TON	3,030
306(2)	ASPHALT CEMENT, TYPE PG 58-28	TON	121
401(1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	1,803
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	108
401(6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	5
514(1)	RETAINING WALL	SQUARE FOOT	175
603(17-18)	18 INCH PIPE	LINEAR FOOT	199
603(17-24)	24 INCH PIPE	LINEAR FOOT	812
604(1A)	STORM SEWER MANHOLE - TYPE 1	EACH	3
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	2
604(4)	ADJUST EXISTING MANHOLE	EACH	6
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	151
608(6)	CURB RAMP	EACH	2
609(2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	807
615(1)	STANDARD SIGN	SQUARE FOOT	166
618(1)	SEEDING	ACRE	2
627(5)	FIRE HYDRANT INSTALLATION	EACH	1
627(7)	FIRE HYDRANT REMOVAL	EACH	1
627(10)	ADJUSTMENT OF VALVE BOX	EACH	8
633(1)	SILT FENCE	LINEAR FOOT	2,765

## ADDITIVE ALTERNATE 1

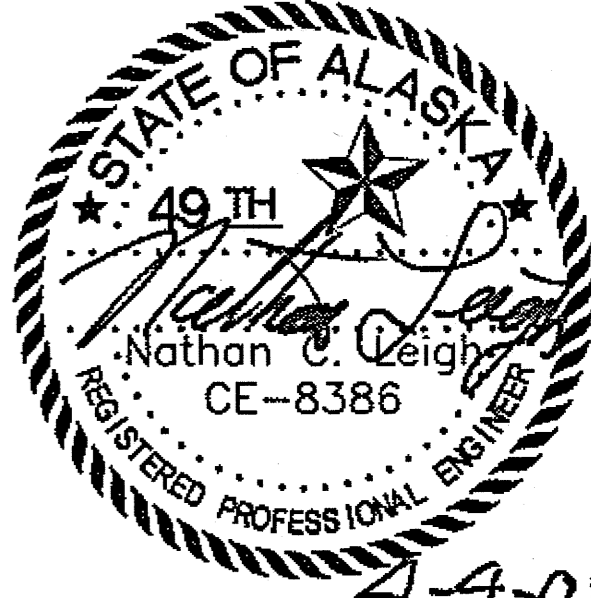
ITEM NO.	ITEM	UNIT	TOTAL
635(1)	INSULATION BOARD	MBM	1.3
639(3)	APPROACH	EACH	10
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D
641(5)	CATCH BASIN SEDIMENT BAG	EACH	8
641(6)	SETTLING POOL	EACH	1
641(7)	PRELIMINARY SEEDING	ACRE	0.3
641(8)	TEMPORARY CHECK DAM	EACH	7
641(9)	EROSION AND POLLUTION CONTROL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOUR	50
642(4)	SET PRIMARY MONUMENT	EACH	5
642(8)	ADJUST EXISTING MONUMENT	EACH	1
642(10)	MONUMENT CASE	EACH	5
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
643(29)	WORK ZONE ILLUMINATION	LUMP SUM	ALL REQ'D
644(6)	VEHICLES	LUMP SUM	ALL REQ'D
645(1)	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES	LABOR HOUR	200
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D
670(8)	RECESSED PAVEMENT MARKER	EACH	39

## ADDITIVE ALTERNATE 2

ITEM NO.	ITEM	UNIT	TOTAL
627(1A)	WATER CONDUIT, 6-IN PVC	LINEAR FOOT	300
627(3)	INSTALL VALVE BOX	EACH	2
627(8)	WATER SERVICE CONNECTION	EACH	3
627(9)	INSTALL 6-IN GATE VALVE	EACH	1

## TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR	REMARKS
203(3)	UNCLASSIFIED EXCAVATION	COMMON EXCAVATION	17,550 CY
		ROCK EXCAVATION	0 CY
203(6A)	BORROW, TYPE A	1.85 TONS / CY	25% USED AS EMBANKMENT ON PLANSET B 75% USED AS EMBANKMENT ON PLANSET A
203(6B)	BORROW, TYPE C	1.85 TONS / CY	
301(1)	AGGREGATE BASE COURSE, GRADING D-1	2.00 TONS / CY	
304(1)	SUBBASE, GRADING C	1.85 TONS / CY	
306(1)	ATB	124 LBS / SY 1" DEPTH	
306(2)	ASPHALT CEMENT, TYPE PG 58-28	4.0 PERCENT WEIGHT OF 306(1)	
401(1)	ASPHALT CONCRETE, TYPE II; CLASS B	124 LBS / SQ YD 1" DEPTH	
401(2)	ASPHALT CEMENT, GRADE PG 58-28	6.0 PERCENT WEIGHT OF 401(1)	
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL / SY      253 GAL/TON	

SHEET NUMBER	TOTAL SHEETS
<b>C1</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP      KEB      NCL	
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
PREPARED BY: USKH INC.	
<h1 style="margin: 0;">ESTIMATE OF QUANTITIES</h1>	
	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION  HAINES HIGHWAY BEACH ROAD TO UNION STREET REHABILITATION - 3R FEDERAL NO. NH-095-6(18)	

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

201(3B) CLEARING AND GRUBBING - LUMP SUM					
BEGIN		END		AREA	REMARKS
STATION	OFFSET	STATION	OFFSET	(SF)	
195+00	0 RT	216+80	0 RT	107,000.00	HAINES HWY CUT/FILL SLOPES

202(2) REMOVAL OF PAVEMENT - SQUARE YARD					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
195+00		203+00		2,450	
				1,790	BEACH RD
203+00		212+00		2,800	
				590	FIRST AVE
212+00		225+00		8,050	INCLUDES YOUNG AND LYNNVUE
TOTAL				13,690	

202(4) REMOVAL OF CULVERT PIPE - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
195+98	29 RT	195+94	13 LT	42	
195+94	16 LT	195+91	57 LT	41	BEACH ROAD
197+76	26 RT	197+69	28 LT	54	
197+68	33 LT	197+62	73 LT	40	BEACH ROAD
201+25	25 RT	201+03	19 RT	49	
205+89	30 RT	206+42	29 RT	55	OCEANVIEW - VERIFY CULVERT TO BE REMOVED!!
208+15	32 RT	208+55	33 RT	41	
210+84	37 RT	211+15	36 RT	32	
212+64	36 RT	213+05	36 RT	40	
5+80	12 RT	6+06	21 RT	21	VERIFY CULVERT TO BE REMOVED!!!
F2, F3	RT			500	REMOVE ONLY IF DIRECTED BY THE ENGINEER
F3	LT			400	YOUNG ROAD
TOTAL				1315	

202(9) REMOVAL OF CURB AND GUTTER - LINEAR FOOT					
BEGIN	OFFSET	END	OFFSET	QUANTITY	REMARKS
5+95.9	23.0 LT	6+40.2	15.7 LT	112	YOUNG RD
214+75.5	89.7 RT	216+58.2	15.9 RT	221	HAINES HWY
TOTAL				333	

603(17-18) 18 INCH PIPE - LINEAR FOOT							
INLET				OUTLET			
PIPE	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.	QUANTITY
P-6	205+89	30 RT	84.88	206+42	29 RT	81.36	55
P-8	208+15	32 RT	97.50	208+55	33 RT	95.61	40
P-9	210+84	37 RT	113.25	211+15	36 RT	111.32	32
P-10	212+64	35 RT	125.00	213+05	35 RT	121.92	41
P-11	5+61	35 RT	138.94	6+06	21 RT	138.00	31
TOTAL							199

603(17-24) 24 INCH PIPE - LINEAR FOOT							
INLET				OUTLET			
PIPE	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.	QUANTITY
P-1	195+98	29 RT	29.66	195+92	51 LT	28.68	80
P-2	197+78	35 RT	33.82	197+67	42 LT	29.89	78
P-3	32+00	30 RT	32.41	32+00	20 LT	31.26	50
P-4	201+25	37 RT	50.44	201+03	40 LT	38.09	76
P-5	41+00	11 LT	-	205+50	32 LT	85.08	55
P-7	208+34	38 LT	91.44	207+59	37 LT	88.45	73
SHEET F3	TBD	TBD	TBD	TBD	TBD	TBD	400
TOTAL							812

604(3) RECONSTRUCT EXISTING MANHOLE - EACH				
STATION	OFFSET	QUANTITY	TYPE	REMARKS
21+02	8 RT	1	SANITARY	FIRST STREET
13+71	1 LT	1	SANITARY	LYNNVUE DRIVE
TOTAL		2		

604(4) ADJUST EXISTING MANHOLE - EACH				
STATION	OFFSET	QUANTITY	TYPE	REMARKS
6+19	14 LT	1	STORM	
5+93	19 LT	1	SANITARY	
216+32	16 RT	1	STORM	
216+64	7 RT	1	SANITARY	
219+34	6 RT	1	SANITARY	
221+08	12 RT	1	SANITARY	
TOTAL		6		

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK - SQUARE YARD					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
E3	LT	E3	RT	151	YOUNG ROAD / LYNNVUE DRIVE
TOTAL				151	

604(1A) STORM SEWER MANHOLE - TYPE I - EACH				
STATION	OFFSET	TYPE	QUANTITY	REMARKS
TBD	TBD	TBD	1	YOUNG ROAD
TBD	TBD	TBD	1	YOUNG ROAD
TBD	TBD	TBD	1	LYNNVUE RD
TOTAL			3	

608(6) CURB RAMP - EACH				
STATION	OFFSET	TYPE	QUANTITY	REMARKS
5+84	32 LT	PERPENDICULAR	1	YOUNG ROAD
6+05	24 LT	PARALLEL	1	YOUNG ROAD
TOTAL			2	

609(2) CURB AND GUTTER, TYPE 1 - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
E3	LT/RT	E4	LT/RT	807	YOUNG ROAD / LYNNVUE DRIVE
TOTAL				807	

627(1A) WATER CONDUIT, 6-INCH PVC - LINEAR FOOT					
STATION	OFFSET	STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	208+01	73 LT	300	ADD ALT. 2
TOTAL				300	

627(8) WATER SERVICE CONNECTION - EACH					
STATION	OFFSET	QUANTITY	REMARKS		
207+45.29	45 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD ALT. 2		
207+31.79	38 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD ALT. 2		
41+05	4 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD ALT. 2, OCEAN VIEW DR.		
TOTAL		3			

627(3) INSTALL VALVE BOX - EACH			
STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	1	
207+96	71 LT	1	
TOTAL		2	

627(5) FIRE HYDRANT INSTALLATION - EACH			
STATION	OFFSET	QUANTITY	REMARKS
207+78	91 LT	1	
TOTAL		1	

627(7) FIRE HYDRANT REMOVAL - EACH			
STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	1	
TOTAL		1	

627(10) ADJUSTMENT OF VALVE BOX - EACH			
STATION	OFFSET	QUANTITY	REMARKS
214+59	72 RT	1	
214+61	73 RT	1	
214+69	66 RT	1	
215+83	30 RT	1	
216+40	18 RT	1	
223+02	8 LT	1	
6+60	18 LT	1	
13+68	13 LT	1	
TOTAL		8	

627(9) INSTALL 6-IN GATE VALVE - EACH			
STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	1	ADD ALT. 2
TOTAL		1	

633(1) SILT FENCE - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
195+00	37 LT	198+70	53 LT	370	
30+39	33 LT	34+00	11 LT	390	BEACH ROAD
199+84	36 LT	207+00	42 LT	721	
207+00	42 LT	207+63	42 LT	59	
208+45	37 LT	217+08	15 LT	834	
223+41	48 LT			391	END SILT FENCE 10' BEYOND DALTON ST CURB RETURN
TOTAL				2765	

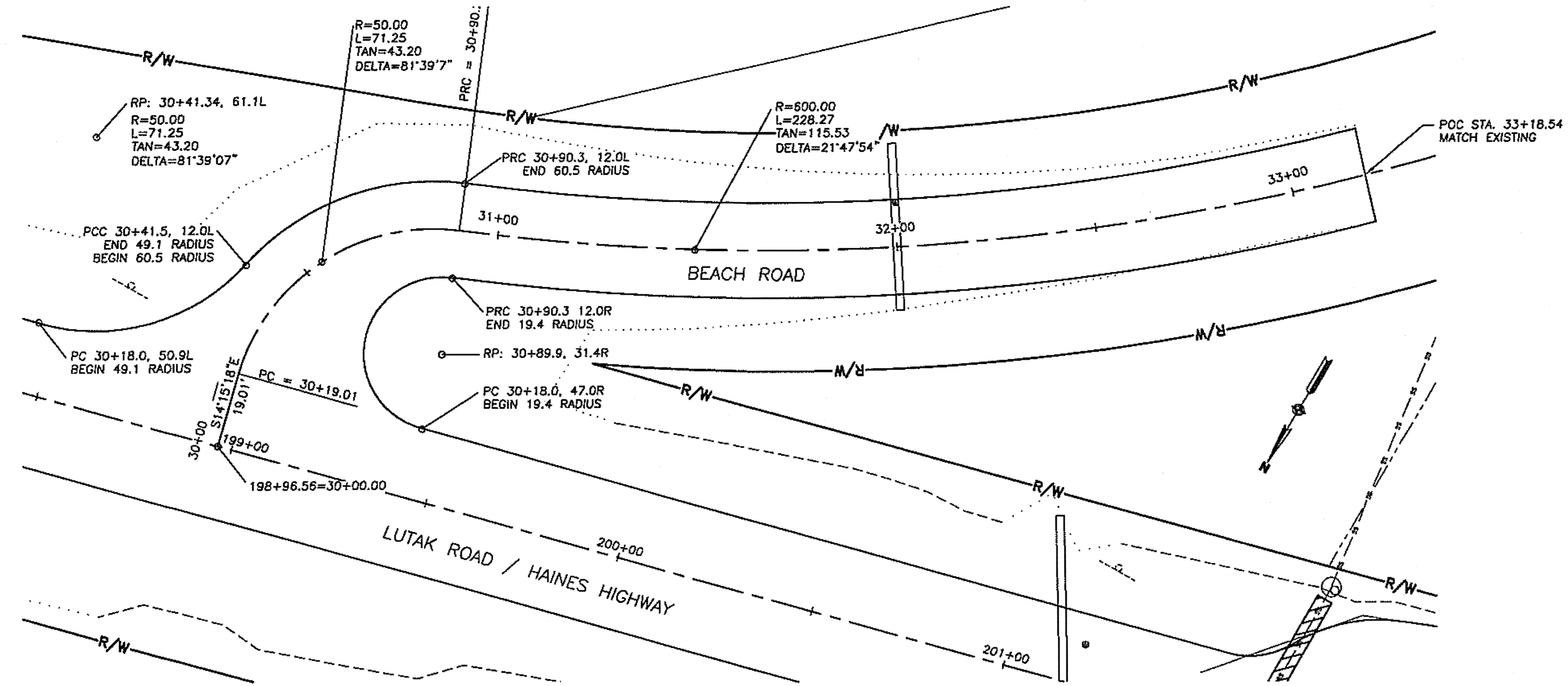
639(3) APPROACH - EACH								
STATION	OFFSET	WIDTH	LANDING		ACCESS		QUANTITY	REMARKS
			GRADE %	LENGTH	GRADE %	LENGTH		
201+75	LT	13.60	1.90	10.00	4.90	22.00	1	PAVE 14" BEHIND FOG LINE
208+40	RT	11.40	2.00	10.00	15.00	50.00	1	PAVE 14" BEHIND FOG LINE
211+00	RT	13.50	2.00	10.00	8.00	38.00	1	PAVE 14" BEHIND FOG LINE
212+90	RT	15.50	2.00	10.00	4.80	19.50	1	PAVE 14" BEHIND FOG LINE
214+60	LT	12.60	2.00	10.00	2.00	103.00	1	SPUR OFF DRIVEWAY AT 214+95
214+95	LT	10.80	2.00	10.00	2.00	25.6	1	PAVE 14" BEHIND FOG LINE
5+94	RT	10.00	2.00	10.00	TBD	TBD	1	FIELD FIT ACCESS GRADE PER ENGINEER
20+57	LT	12.00	2.00	10.00	TBD	75.00	1	FIELD FIT ACCESS GRADE PER ENGINEER
13+91	LT	12.00	3.50	10.00	3.50	3.43	1	LYNNVUE DR, PAVE TO RIGHT OF WAY
14+14	LT	12.00	MATCH EXISTING	MATCH EXISTING			1	LYNNVUE DR, PAVE TO RIGHT OF WAY
TOTAL							10	

641(5) CATCH BASIN SEDIMENT BAG - EACH			
STATION	OFFSET	QUANTITY	REMARKS
6+19	14 LT	1	YOUNG ROAD
216+32	16 RT	1	
218+72	13 RT	1	
220+93	13 RT	1	
		1	N: 16286.50, E: 54812.80
		1	N: 16279.60, E: 54852.71
		1	N: 16118.59, E: 54784.49
		1	N: 16111.91, E: 54842.26
TOTAL		8	

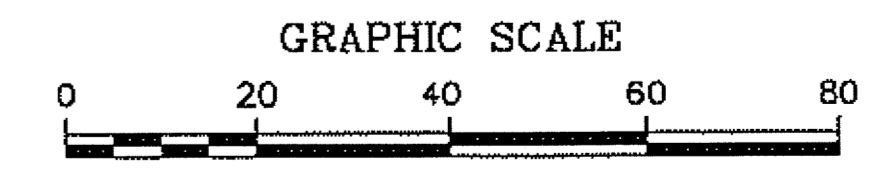
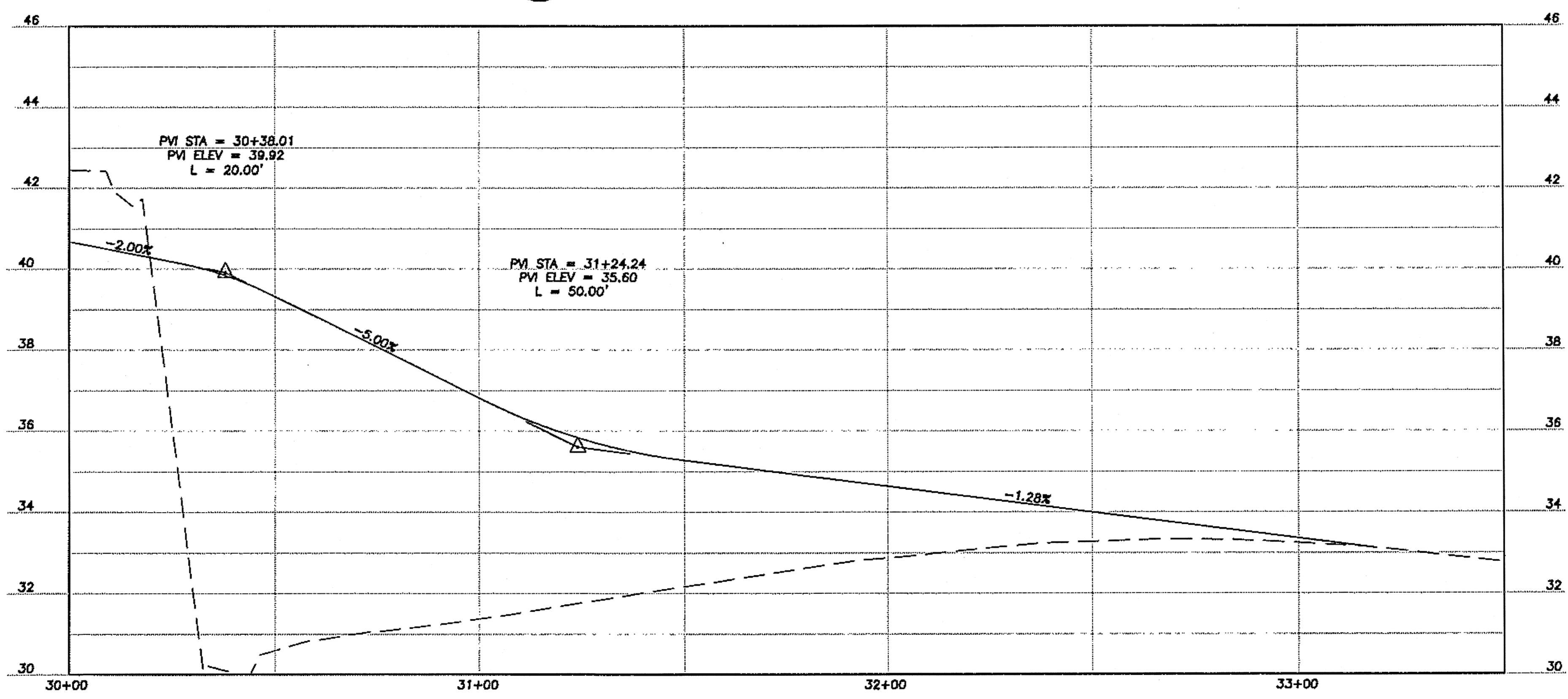
641(8) TEMPORARY CHECK DAM - EACH			
STATION	OFFSET	QUANTITY	REMARKS
195+23	34 RT	1	
197+83	34 RT	1	
199+63	25 RT	1	
206+94	33 RT	1	
208+77	33 RT	1	
211+30	33 RT	1	
213+31	32 RT	1	
TOTAL		7	

SHEET NUMBER	TOTAL SHEETS
<b>D1</b>	<b>27</b>
STATE	YEAR
<b>ALASKA</b>	<b>2008</b>
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
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APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
PREPARED BY: USKH INC.	
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION HAINES HIGHWAY BEACH ROAD TO UNION STREET REHABILITATION - 3R FEDERAL NO. NH-095-6(18)	

SHEET NUMBER	TOTAL SHEETS
<b>E1</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
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STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHHC 2004	



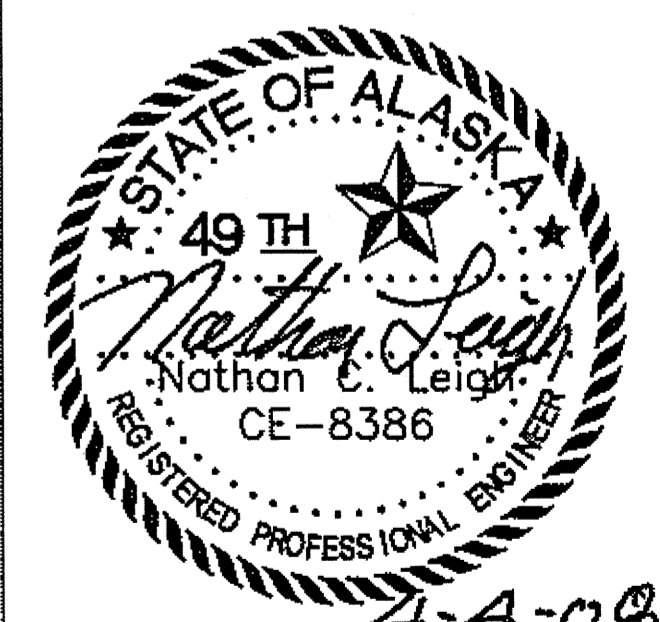
**1 BEACH ROAD**  
**E1 STA. 30+00 TO STA. 33+18.54**



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

PREPARED BY: USKH INC.

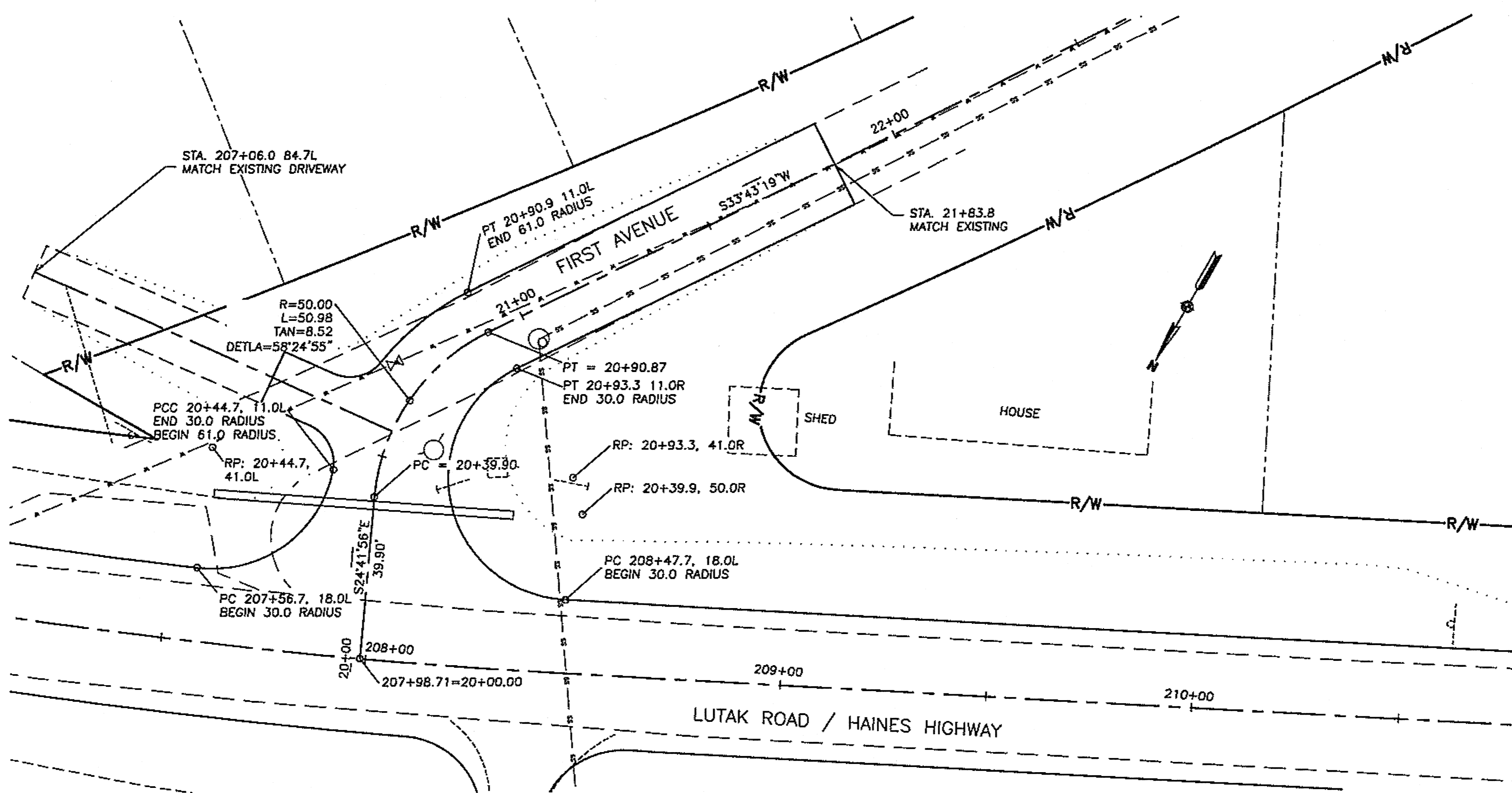
## BEACH ROAD INTERSECTION



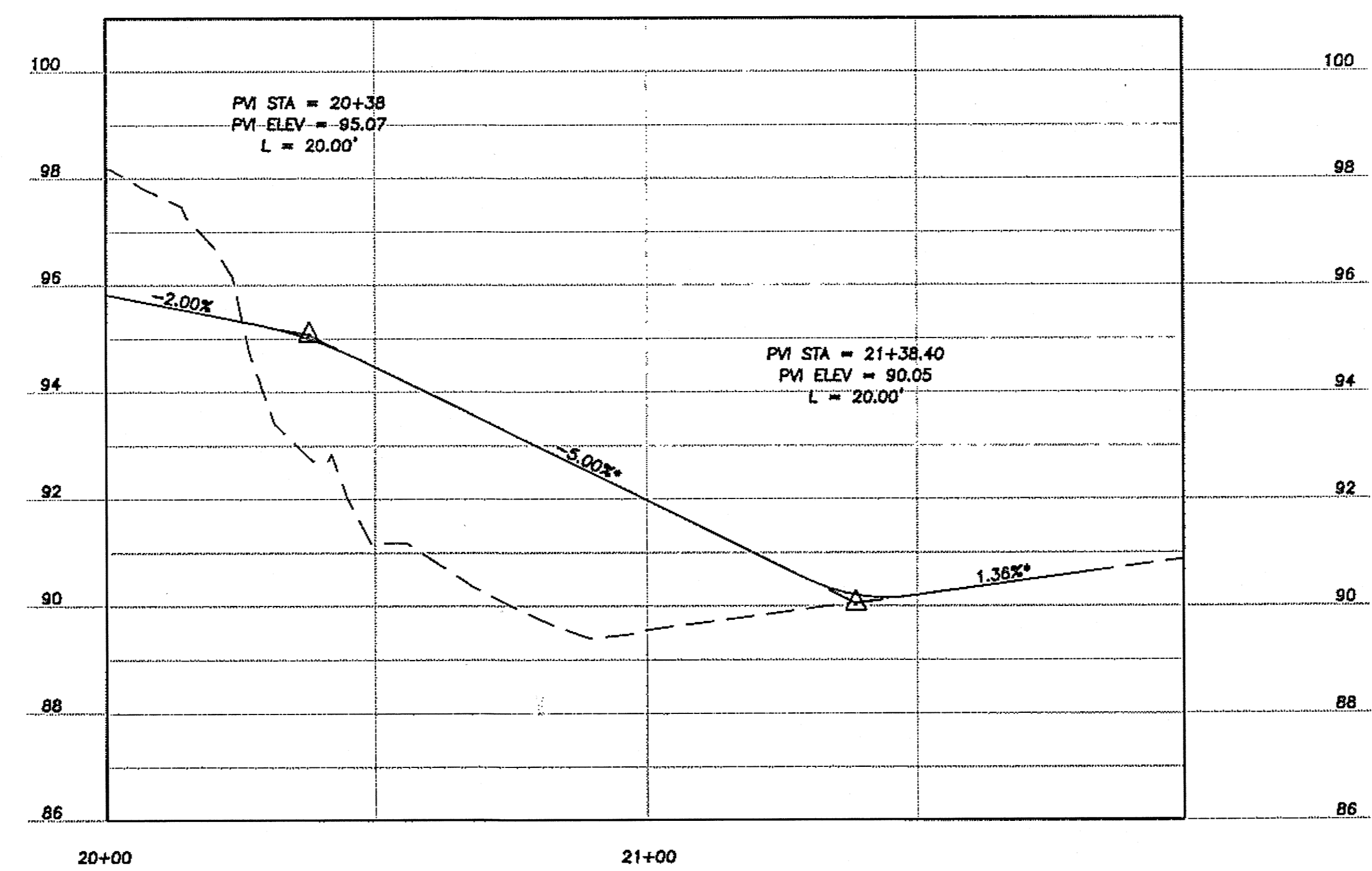
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

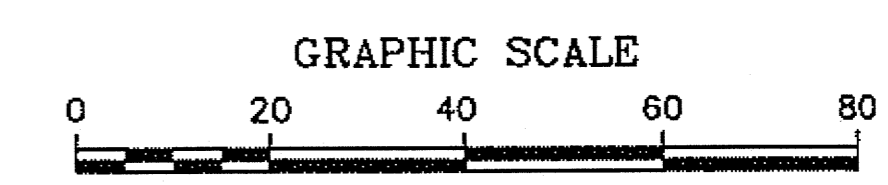
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<b>E2</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
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DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



**1 FIRST STREET**  
**E2 STA. 20+00 TO STA. 21+83.83**



\* - NO SURVEY INFORMATION AVAILABLE BEYOND FIRST AVENUE STA. 20+99.8. GRADE TO BE FIELD ADJUSTED BY THE ENGINEER TO MATCH INTO EXISTING PROFILE AT THE APPROXIMATELY LOCATIONS AND GRADES SHOWN ON THIS SHEET



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

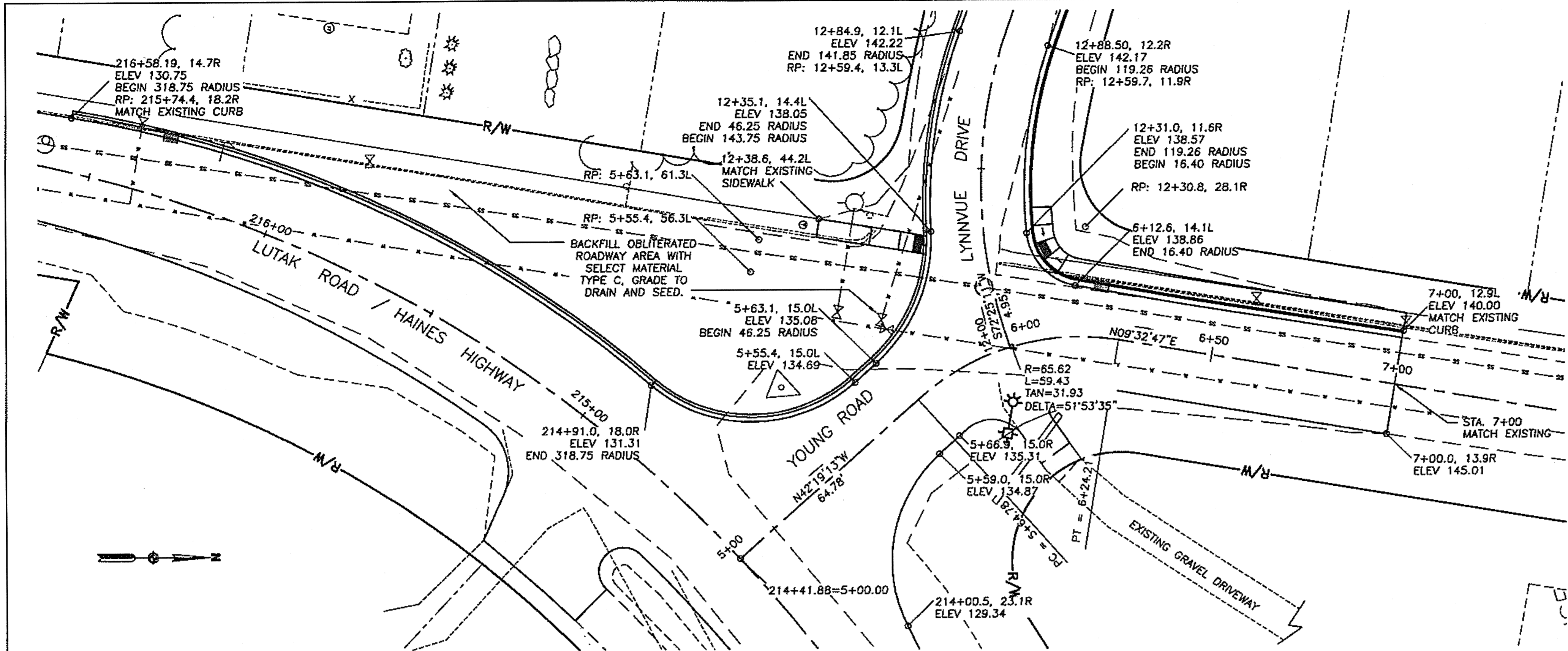
PREPARED BY: USKH INC.

**FIRST ST INTERSECTION**

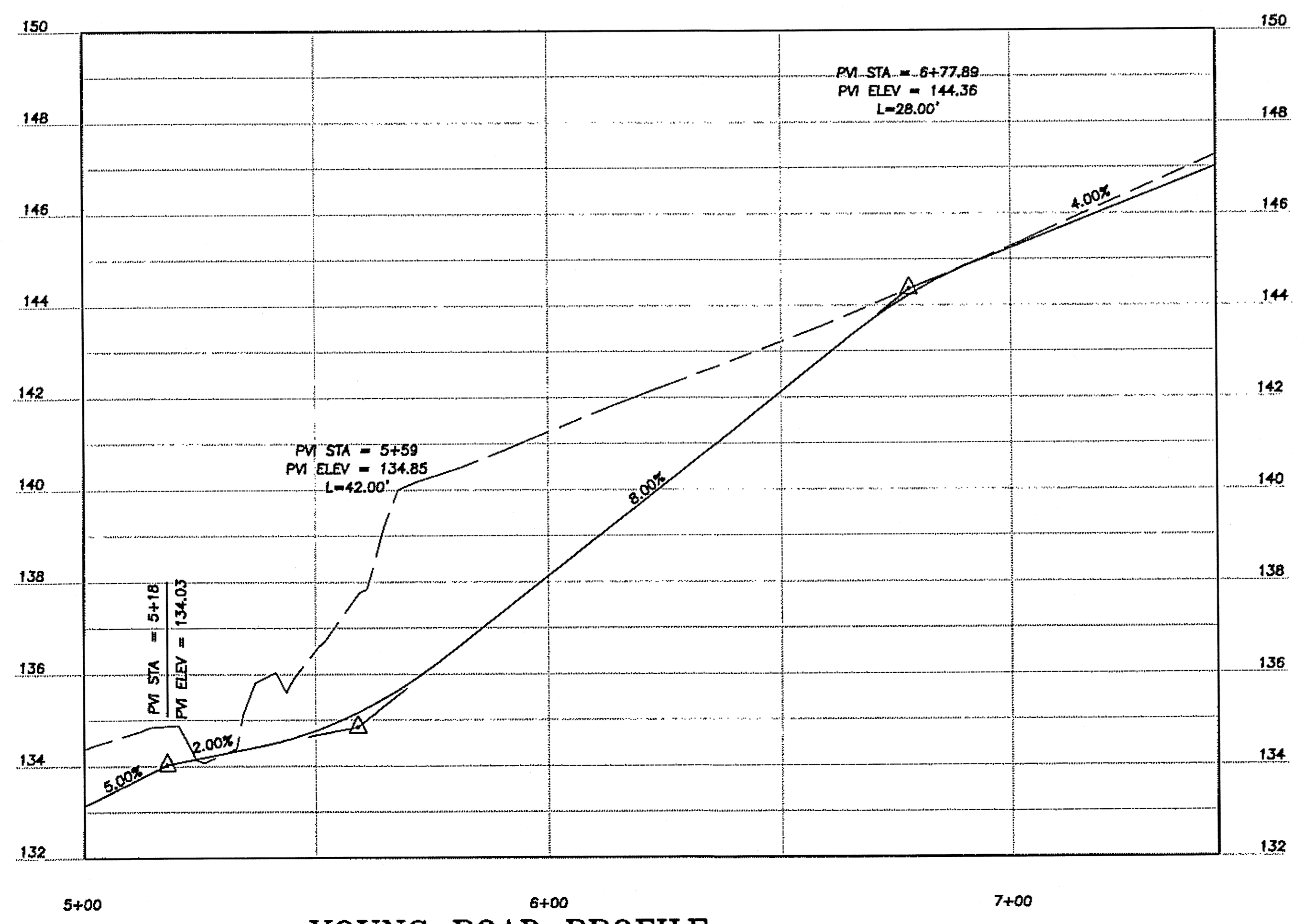


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

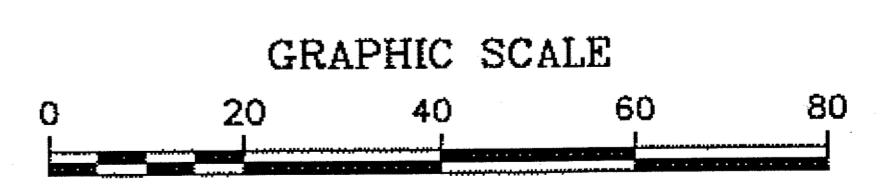
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)



**1** YOUNG ROAD  
**E3** STA. 5+00 TO STA. 7+00



**YOUNG ROAD PROFILE**



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SHEET NUMBER	TOTAL SHEETS
<b>E3</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

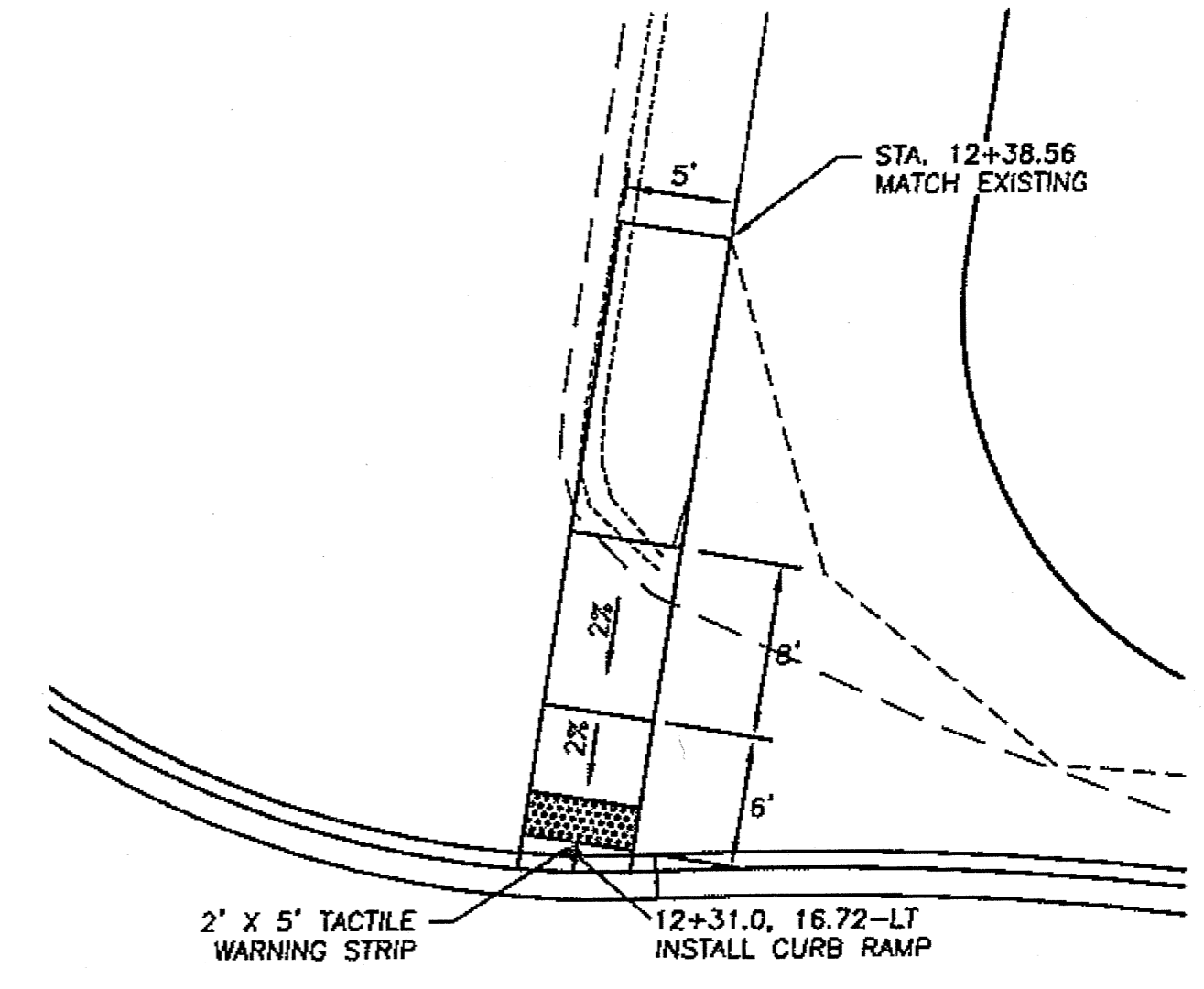
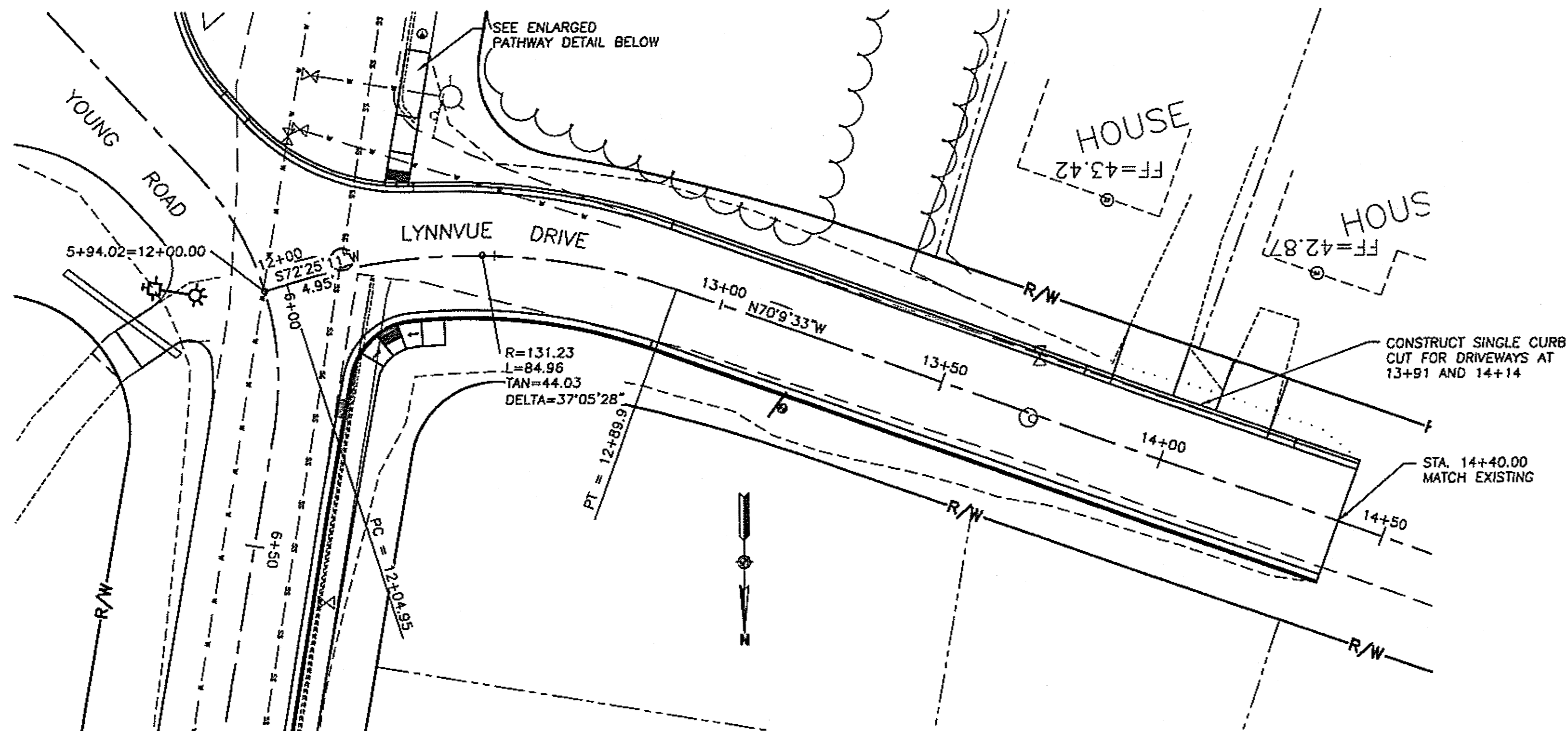
**YOUNG RD &  
 LYNNVUE DR  
 INTERSECTION**



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION

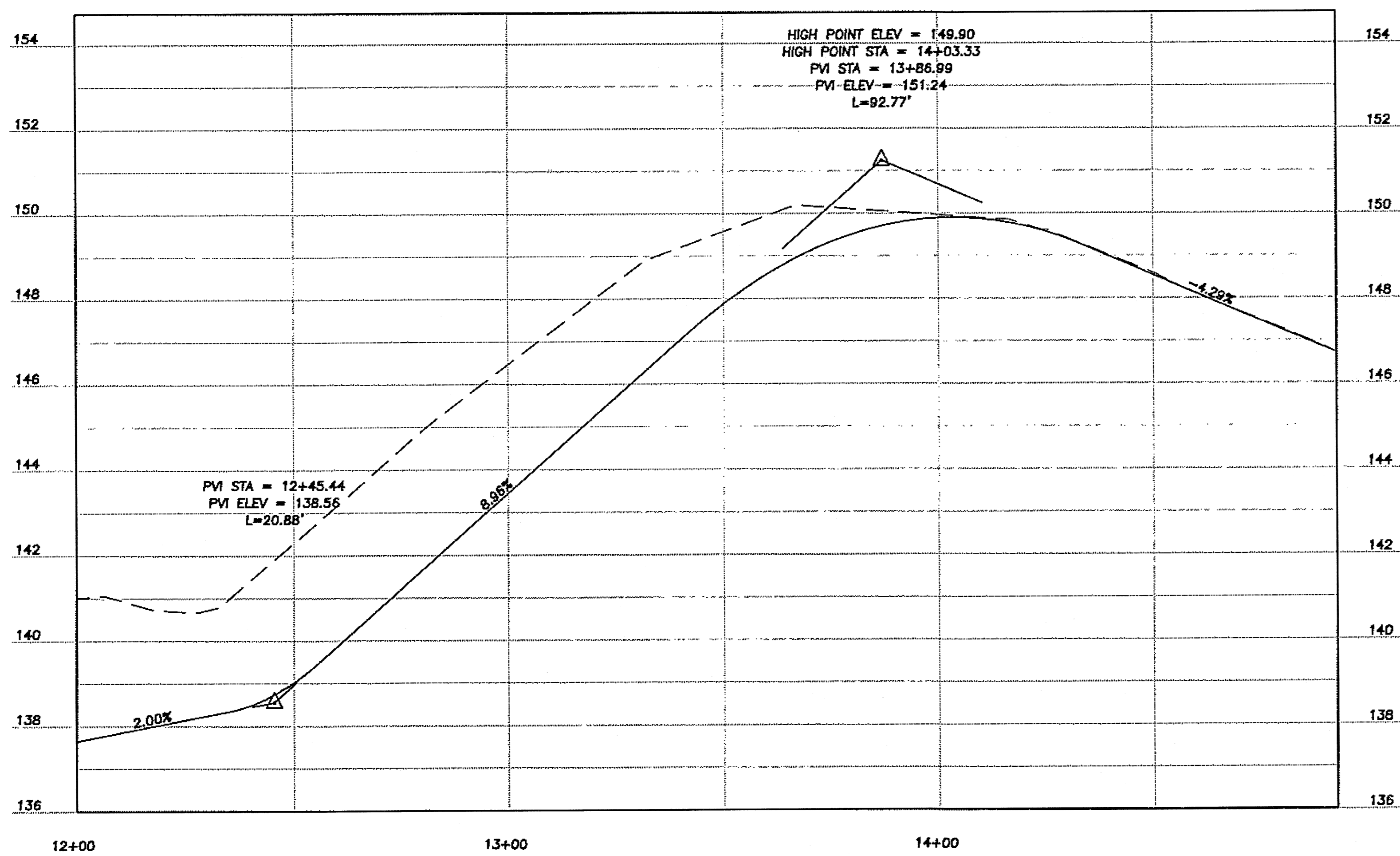
HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

SHEET NUMBER	TOTAL SHEETS
<b>E4</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
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STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

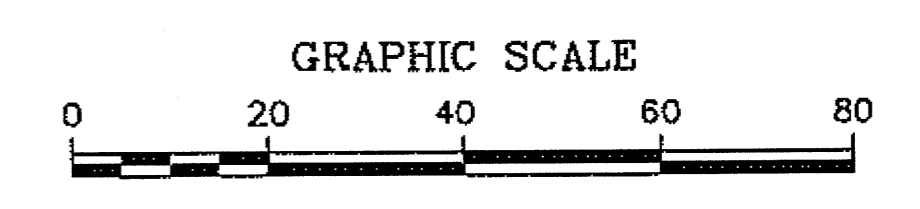


**ENLARGED PATHWAY DETAIL**

**1 LYNNVUE DRIVE**  
**E4 STA. 12+00 TO STA. 14+40**



**LYNNVUE DRIVE PROFILE**



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

PREPARED BY: USKH INC.

**YOUNG RD & LYNNVUE DR INTERSECTION**

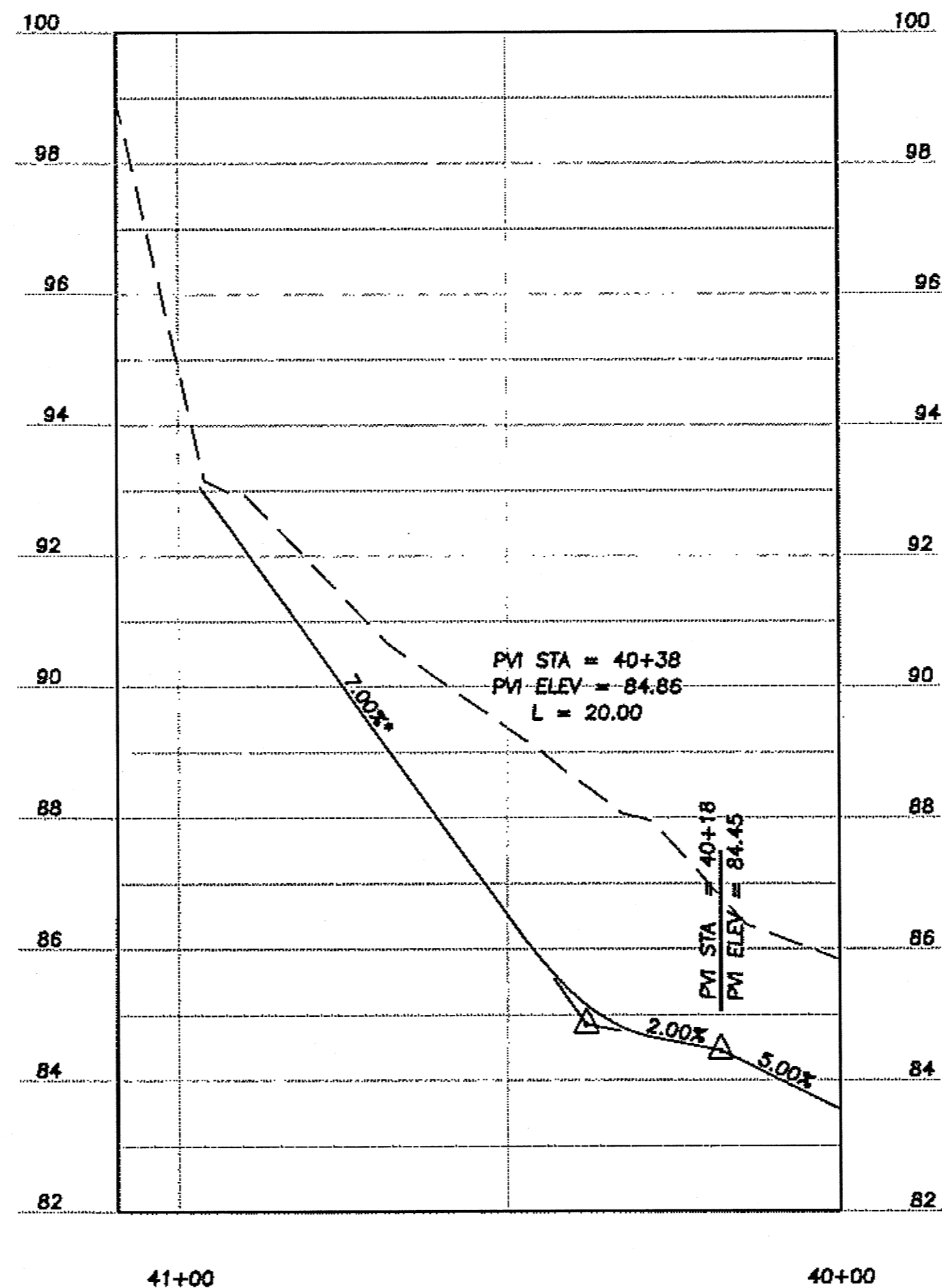
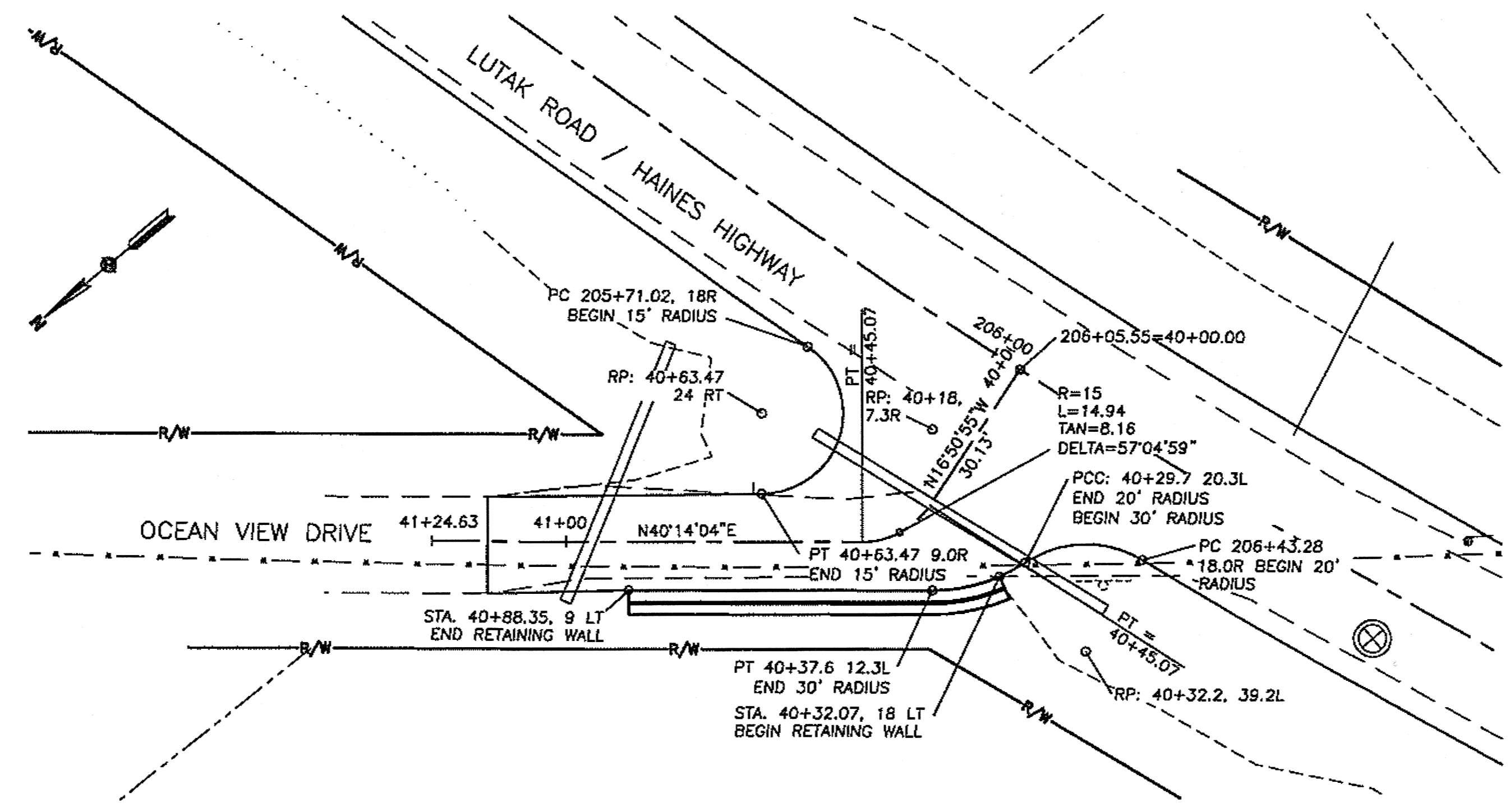


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

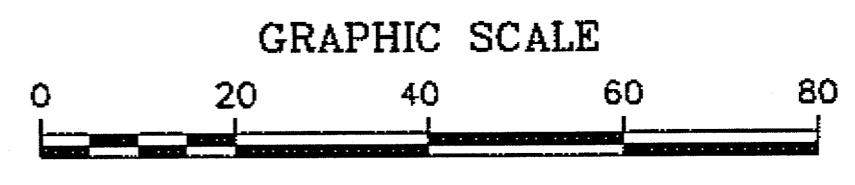
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SHEET NUMBER	TOTAL SHEETS
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STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
I:\562202\Dwgs\Sheets\E05.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



**OCEAN VIEW DRIVE PROFILE**

**NOTE:**  
 \* - NO SURVEY INFORMATION AVAILABLE BEYOND OCEAN VIEW DRIVE STA. 41+03.5. GRADE TO BE FIELD ADJUSTED BY THE ENGINEER TO MATCH INTO EXISTING PROFILE AT THE APPROXIMATELY THE LOCATIONS AND GRADES SHOWN ON THIS SHEET.



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

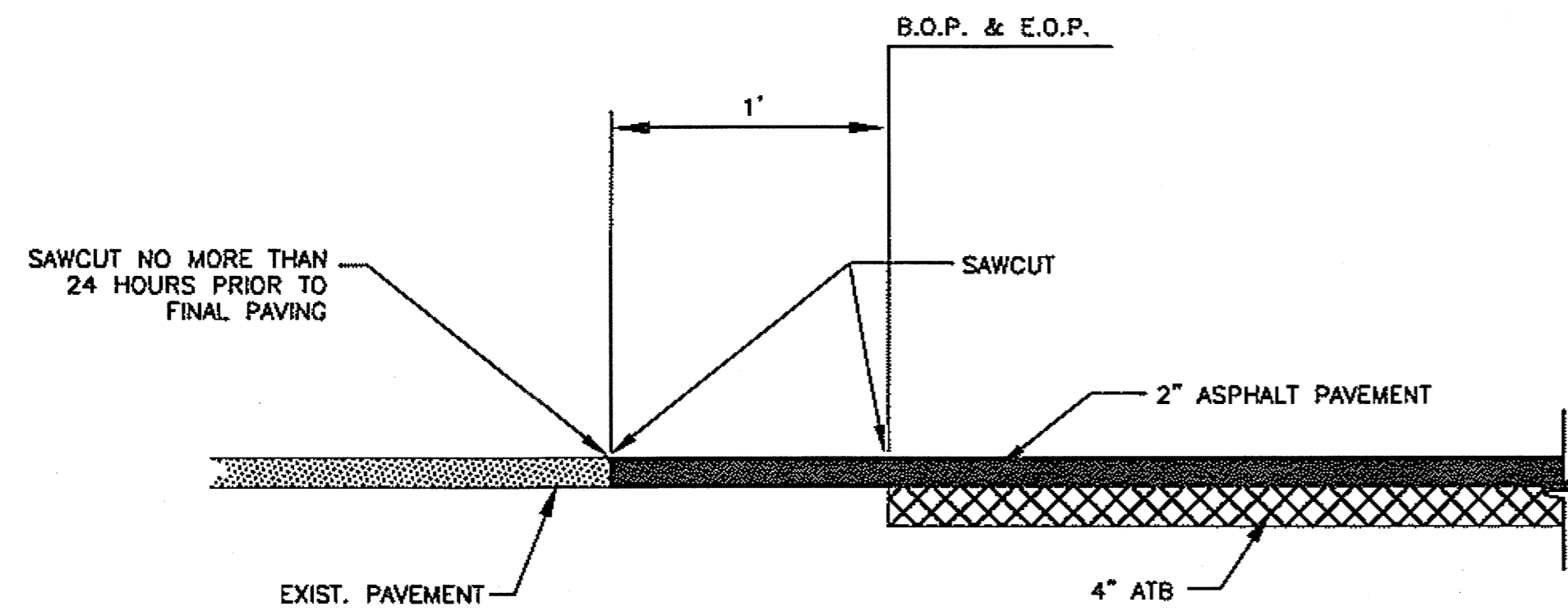
PREPARED BY: **USKH INC.**

# OCEAN VIEW DRIVE INTERSECTION

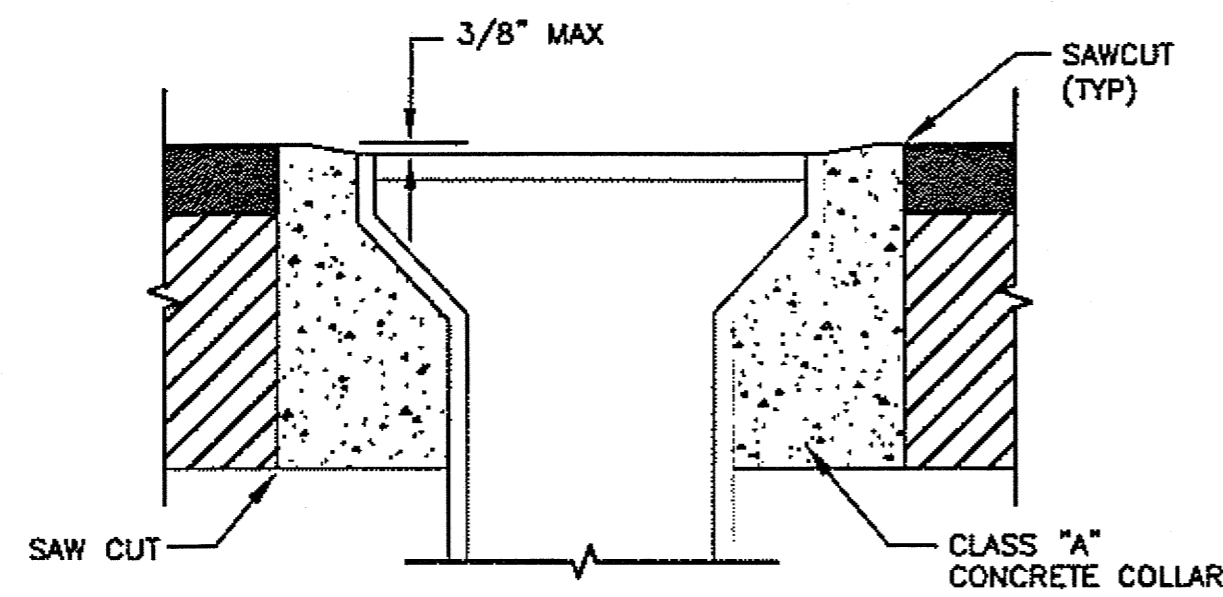


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION

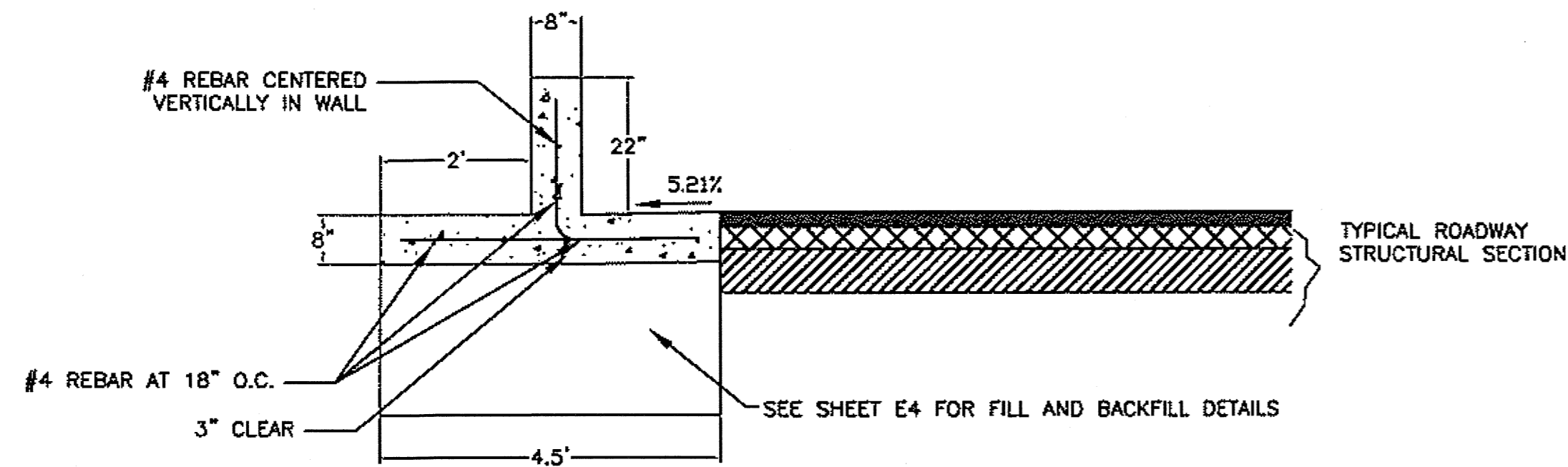
HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)



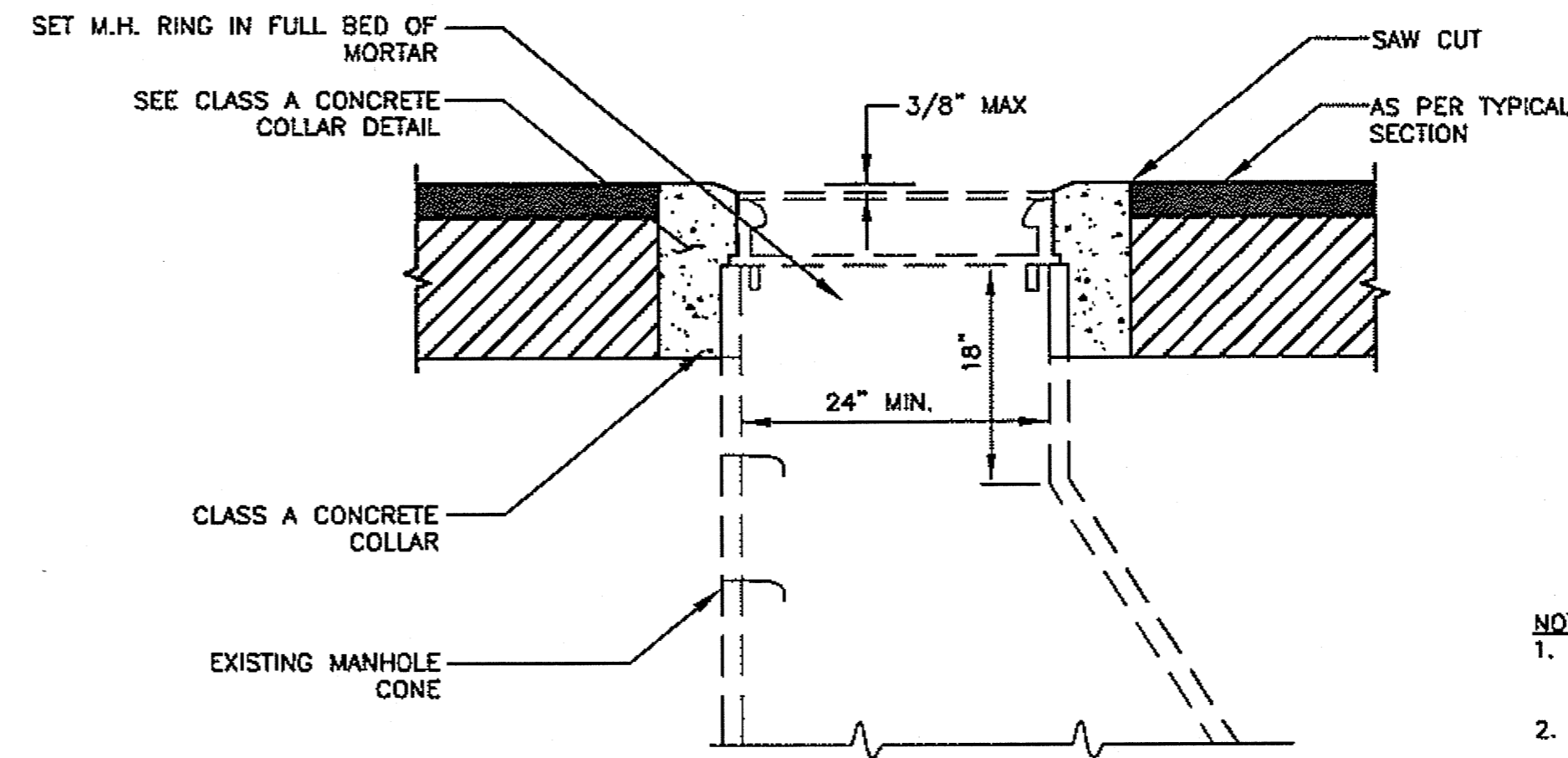
**1 PAVEMENT MATCH JOINT DETAIL**  
**E6** NTS



**3 VALVE BOX ADJUSTMENT FLUSH**  
**E6** NTS

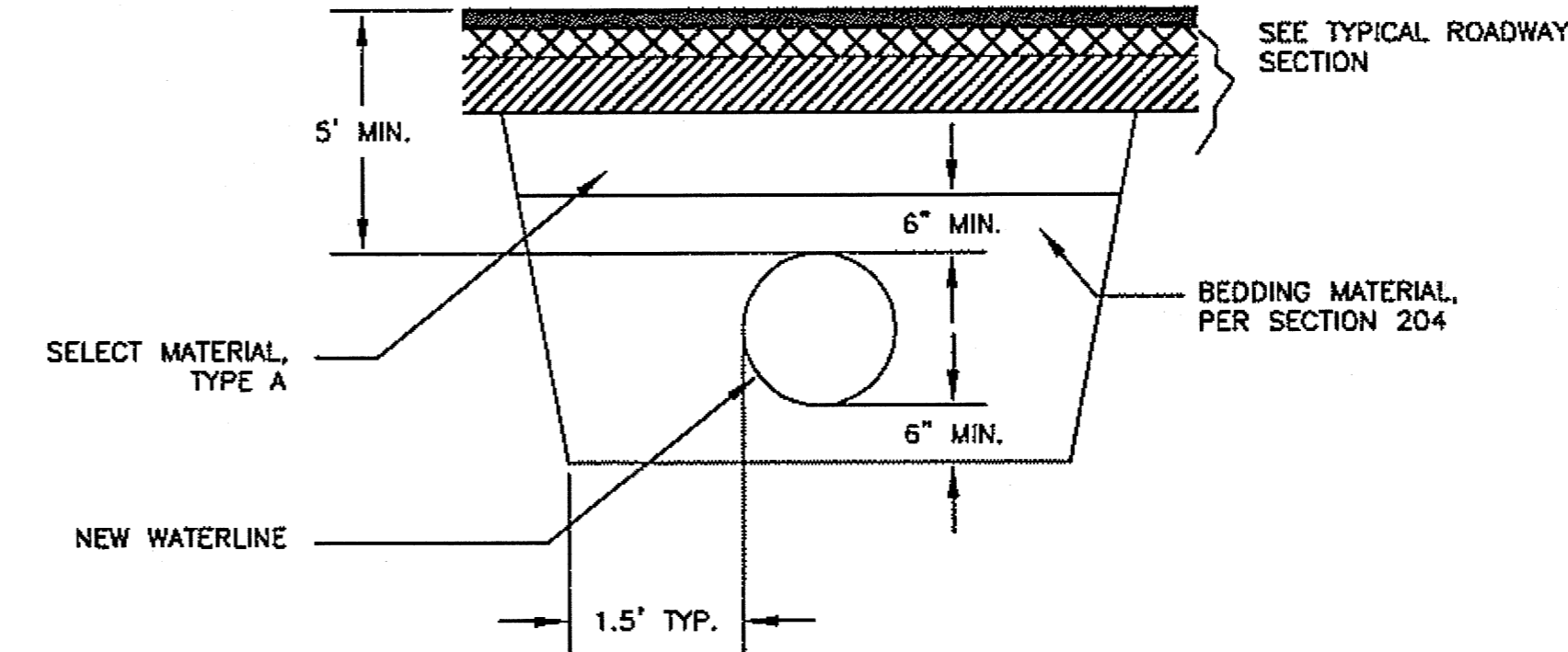


**5 CURB TYPE RETAINING WALL DETAIL**  
**E6** NTS

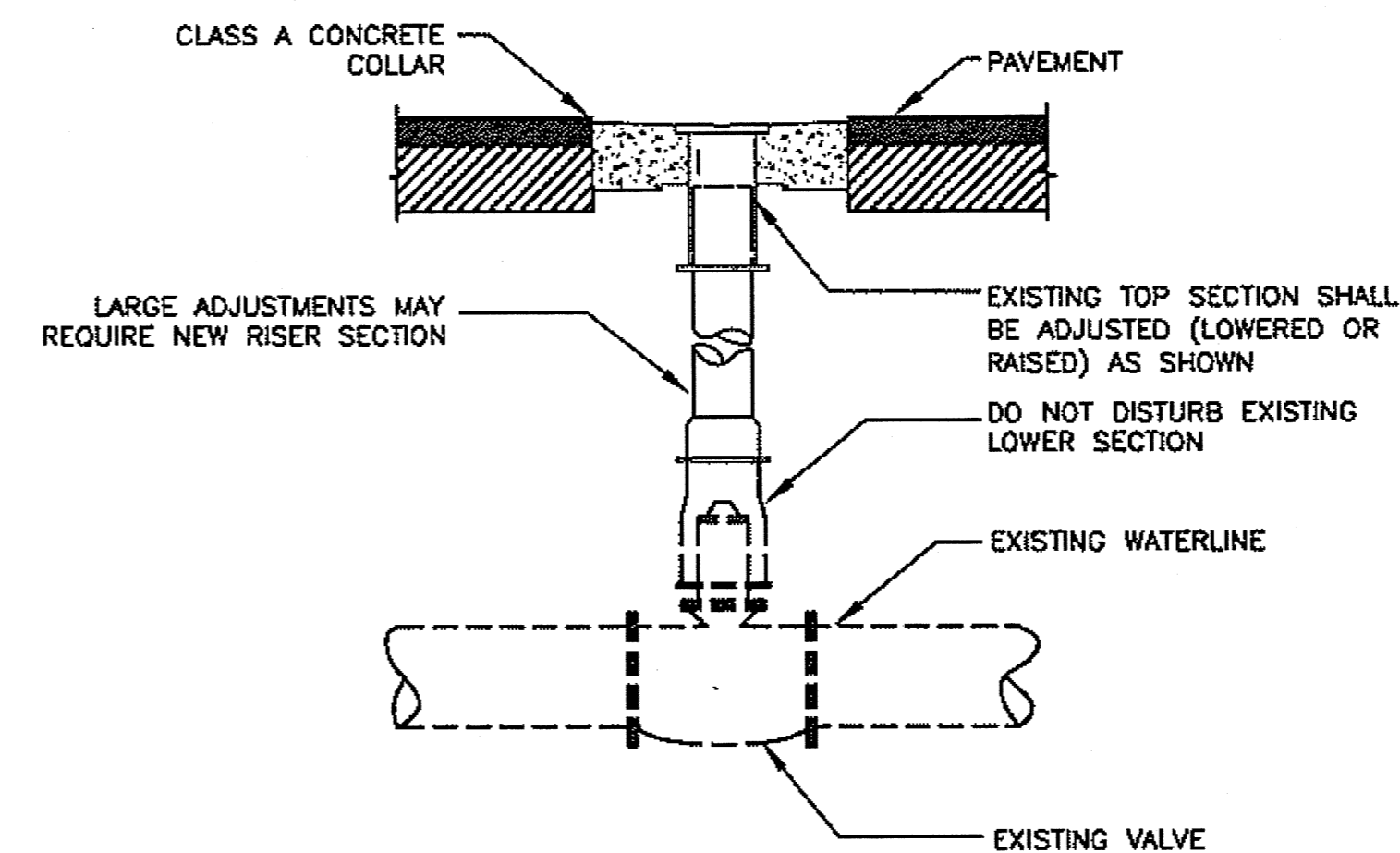


**2 MANHOLE ADJUSTMENT**  
**E6** NTS

NOTES:  
 1. ALL ADJUSTMENTS SHALL BE MADE BELOW THE FRAME ON THE MANHOLE CONE.  
 2. THE CONTRACTOR SHALL HAVE THE OPTION TO USE BRICKS OR ADJUSTMENT RINGS TO ADJUST THE EXISTING MANHOLES.



**4 TYPICAL WATERLINE TRENCHING AND BEDDING DETAIL**  
**E6**



**6 VALVE BOX ADJUSTMENT DETAIL**  
**E6** NTS

SHEET NUMBER	TOTAL SHEETS
<b>E6</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY:	DRAWN BY:
AP	KEB
CHECKED BY:	
NCL	
ELECTRONIC PATHWAY:	
h:\562202\Drawgs\Sheets\E06.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHHC 2004	

PREPARED BY: USKH INC.

**MISCELLANEOUS DETAILS**



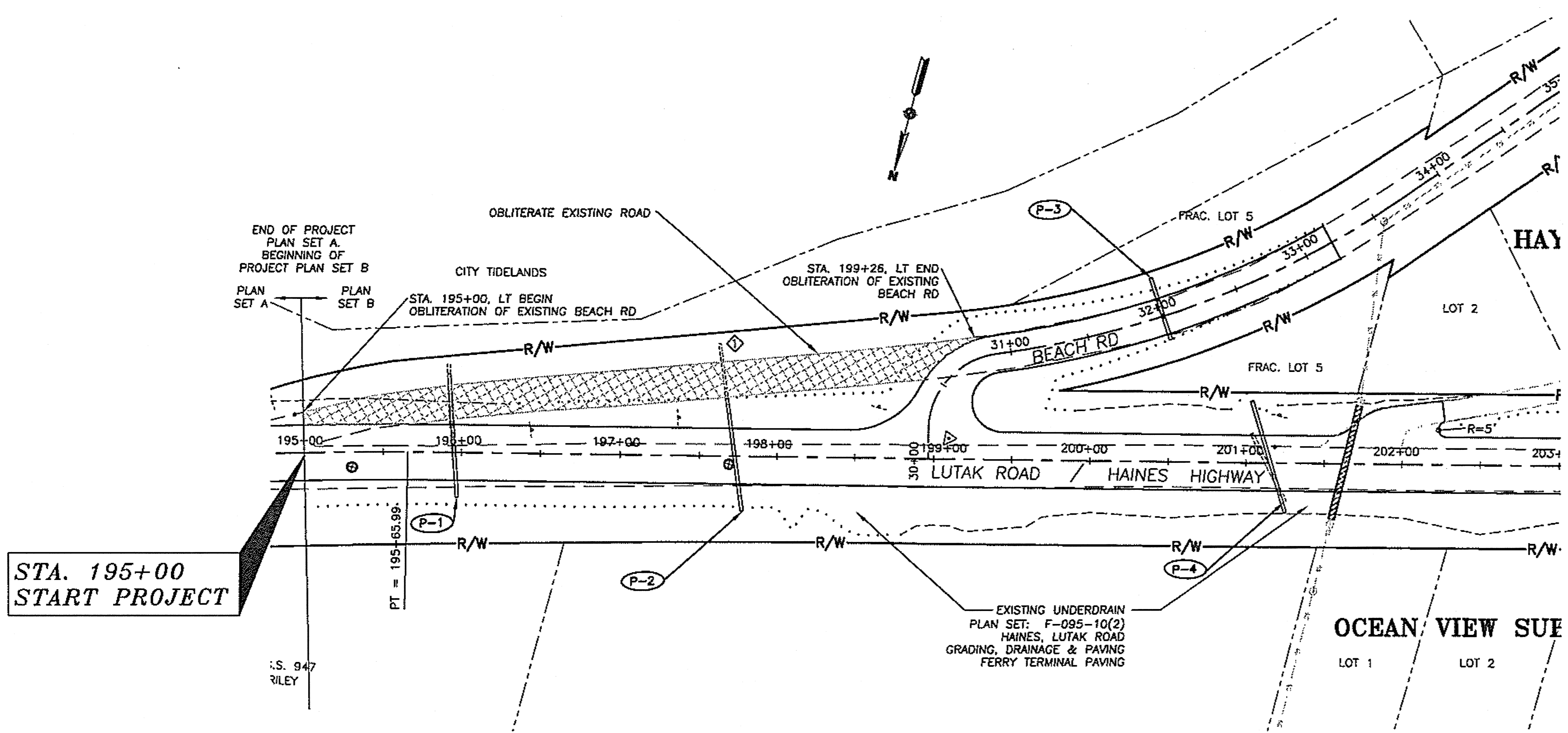
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION

HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

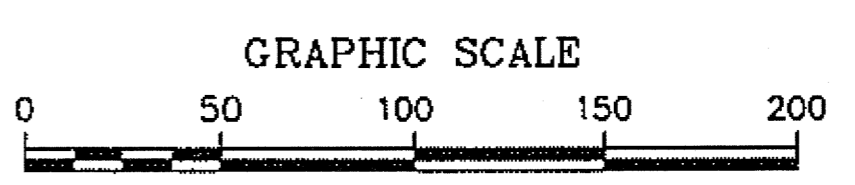


SHEET NUMBER	TOTAL SHEETS
<b>F1</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
I:\562202\Dwgs\Sheets\F01.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



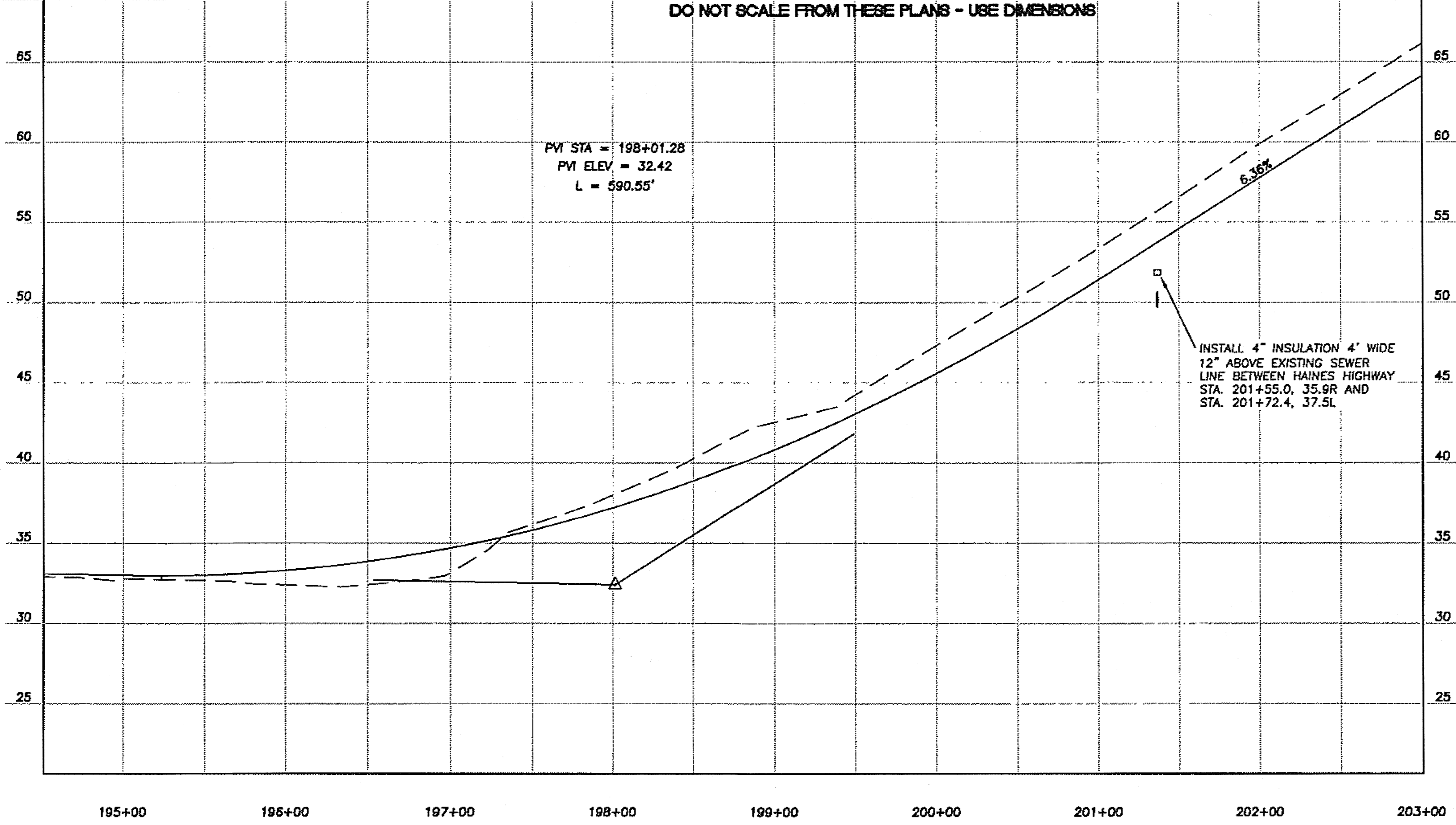
STA. 195+00  
START PROJECT

S.S. 947  
RILEY



PREPARED BY: USKH INC.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



EARTHWORK ESTIMATE	
EXCAVATION	6,400 CUBIC YARDS
FILL	4,650 CUBIC YARDS

**PLAN AND PROFILE**  
STATION 195+00 TO STATION 20+00

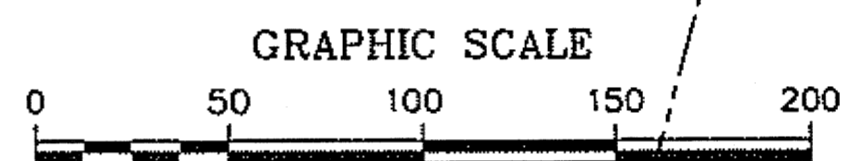
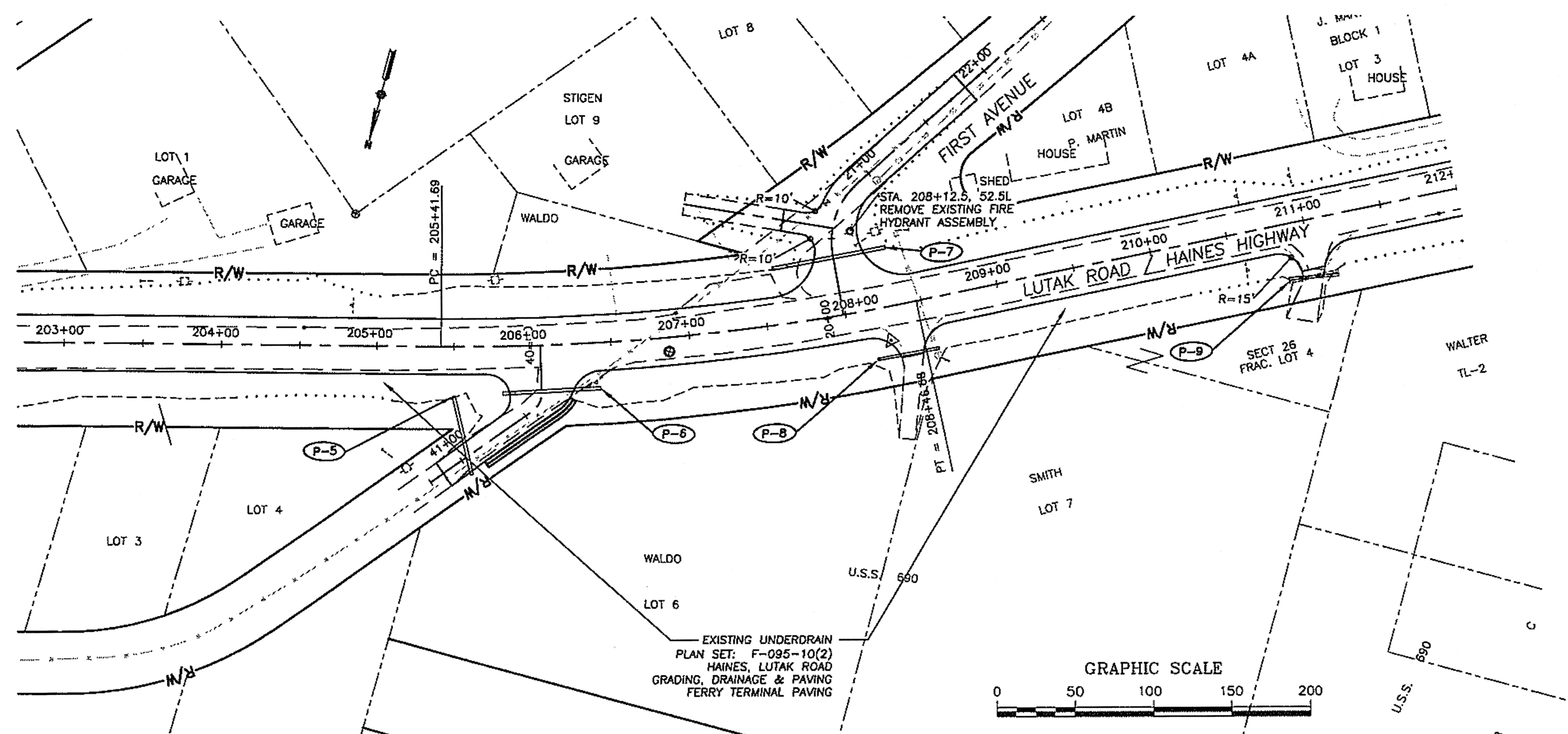


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

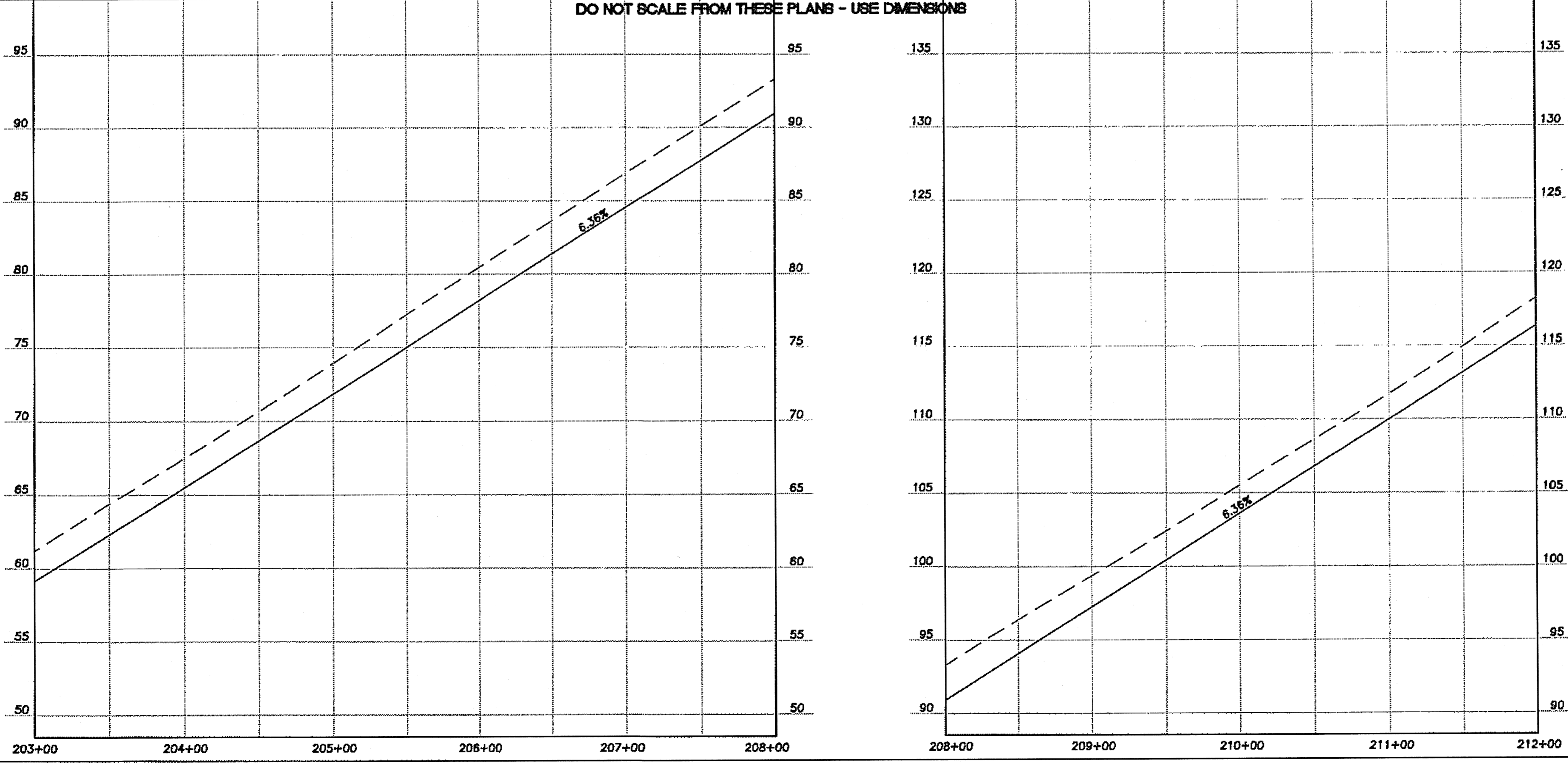
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

SHEET NUMBER	TOTAL SHEETS
<b>F2</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
I:\562202\Draws\Sheets\F02.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHc 2004	

PREPARED BY: USKH INC.



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



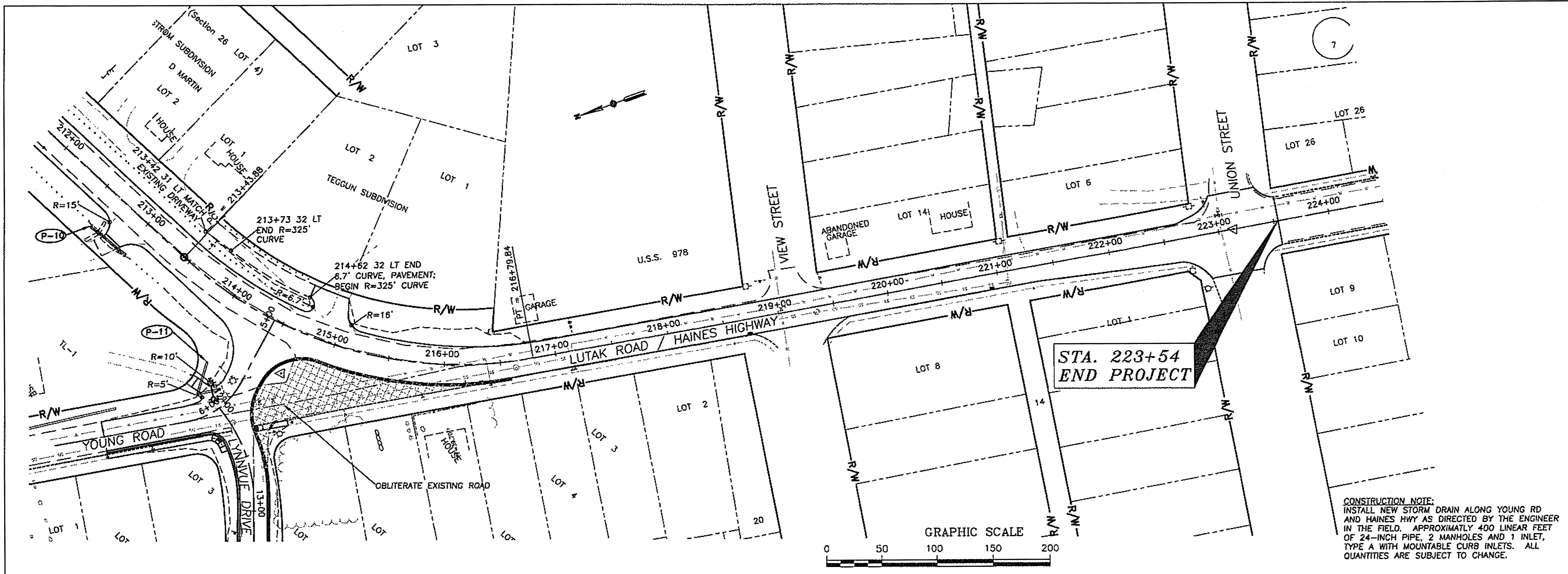
EARTHWORK ESTIMATE	
EXCAVATION	8,000 CUBIC YARDS
FILL	4,110 CUBIC YARDS

**PLAN AND PROFILE**  
STATION 203+00 TO STATION 212+00



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
SOUTHEAST REGION

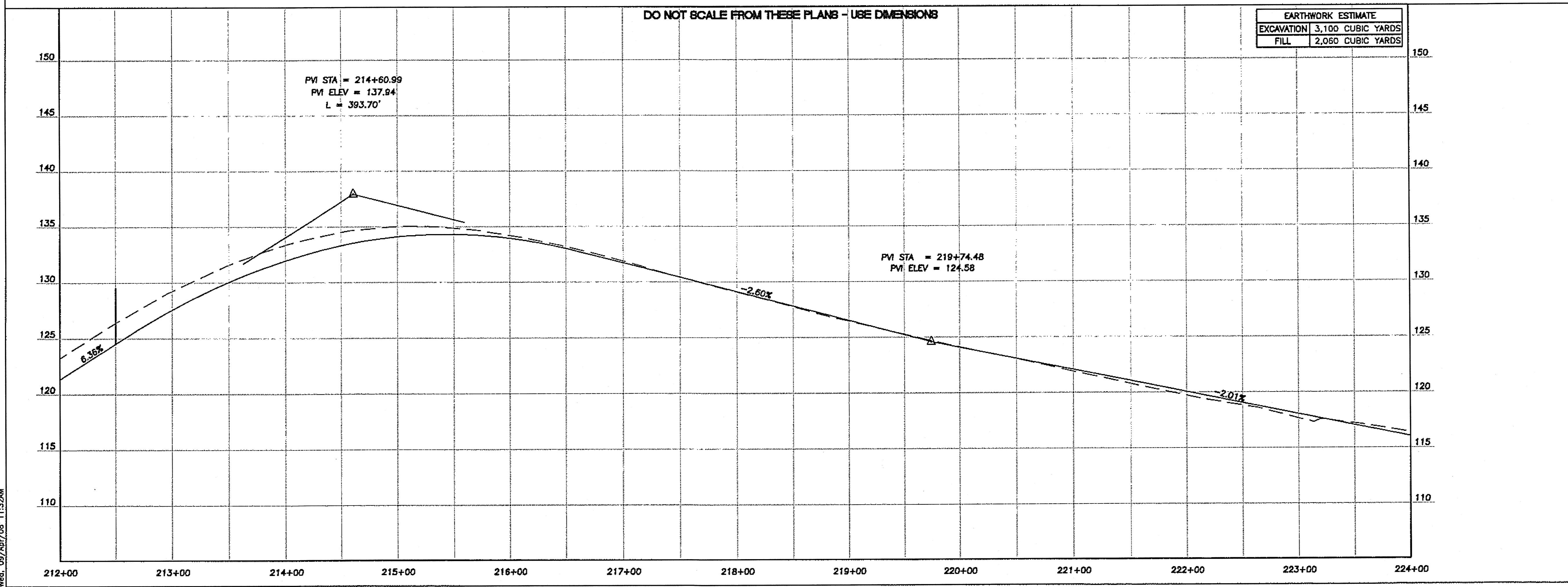
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)



SHEET NUMBER	TOTAL SHEETS
<b>F3</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHG 2004	

PREPARED BY: USKH INC.

**CONSTRUCTION NOTE:**  
 INSTALL NEW STORM DRAIN ALONG YOUNG RD AND HAINES HWY AS DIRECTED BY THE ENGINEER IN THE FIELD. APPROXIMATELY 400 LINEAR FEET OF 24-INCH PIPE, 2 MANHOLES AND 1 INLET, TYPE A WITH MOUNTABLE CURB INLETS. ALL QUANTITIES ARE SUBJECT TO CHANGE.

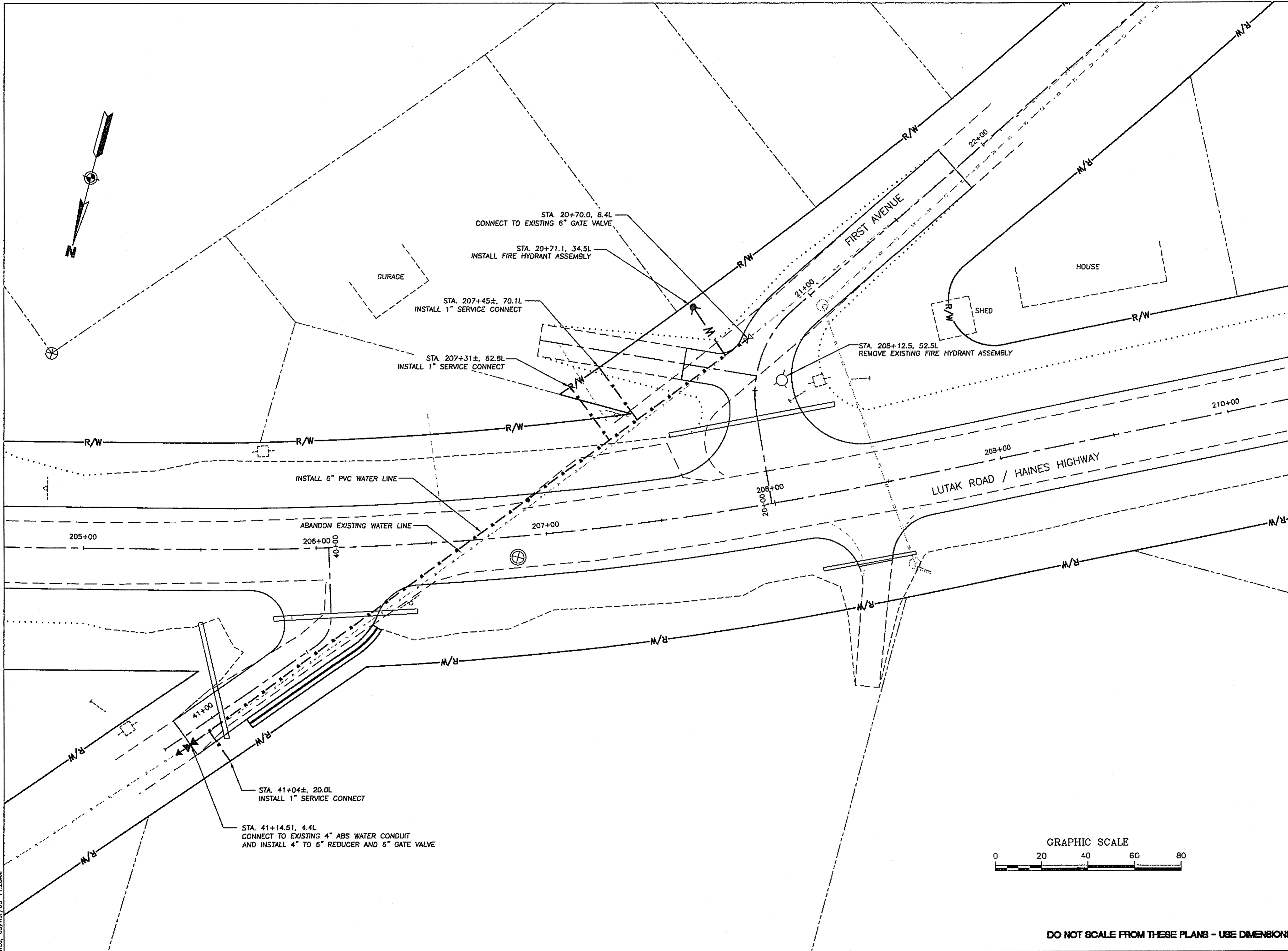


**PLAN AND PROFILE**  
 STATION 212+00 TO STATION 225+00



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 SOUTHEAST REGION

HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

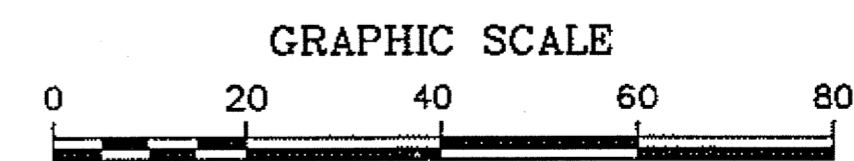


SHEET NUMBER	TOTAL SHEETS
<b>G1</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
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EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

**ADD  
ALT. 2**

**WATERLINE  
SERVICE  
UPGRADES**



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

Wed, 09/Apr/08 11:28AM

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

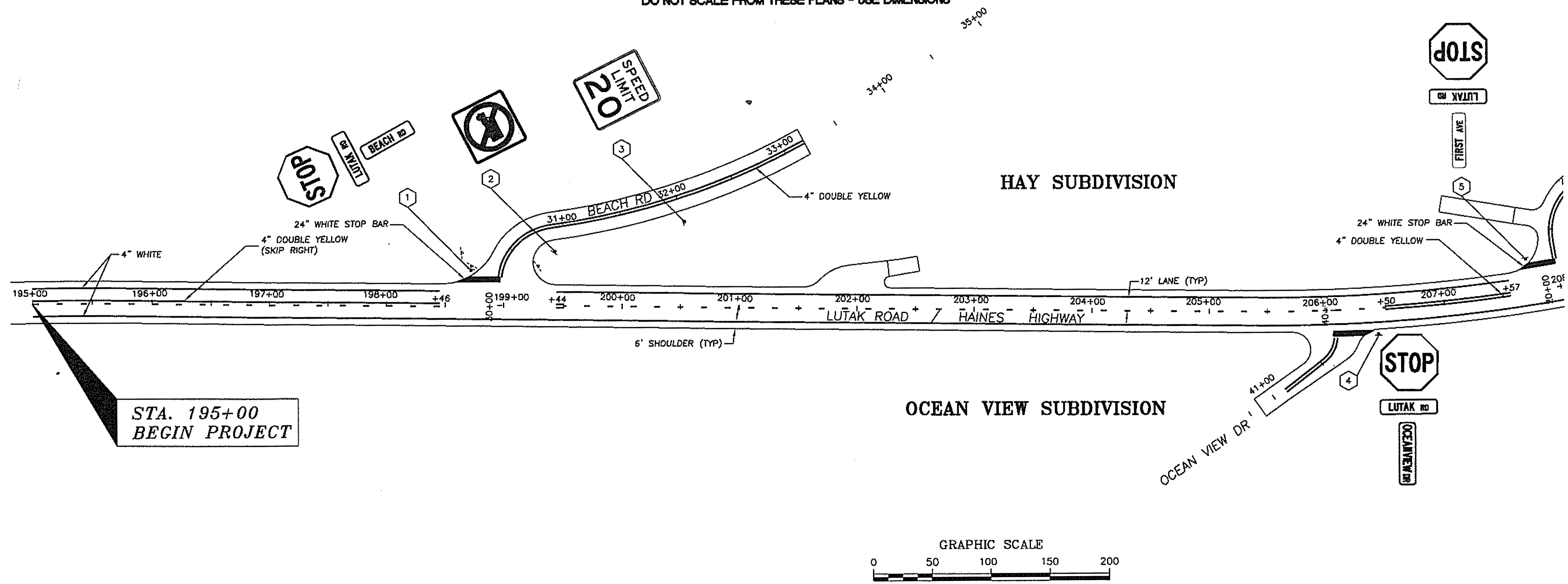
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

**NOTES:**

- STRIPING**
1. ALL PASSING AND NO PASSING ZONES SHOWN IN THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THE ACTUAL LOCATIONS OF PASSING AND NO PASSING ZONES SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER AFTER THE CONTRACTOR LAYS THEM OUT.
  2. THE DISTANCE BETWEEN THE YELLOW CENTERLINE STRIPES SHALL BE 5". (SEE STD. DWG. T-06.00, NOTE 4.)
  3. NO PASSING ZONE GROOVES SHALL BE PLACED AT THE BEGINNING AND END OF EVERY PASSING ZONE. SEE DETAIL 2/13.
- RPMS**
4. THE LOCATION OF RECESSED PAVEMENT MARKERS (RPM'S) IN SITUATIONS WITH UNUSUAL GEOMETRICS WILL BE DETERMINED BY THE ENGINEER.
  5. SEE STANDARD DRAWING T-06.00 FOR ADDITIONAL NOTES AND DETAILS FOR RPM PLACEMENT.
- DELINEATORS**
6. DELINEATORS SHALL BE PLACED IN ACCORDANCE WITH STD DWG T-05.10. UNLESS DIRECTED OTHERWISE BY THE ENGINEER, THEY SHALL BE LAID OUT IN THE FOLLOWING MANNER:  
 PLACE A DELINEATOR AT EACH PC AND PT OF A CURVE.  
 PLACE DELINEATORS ON CURVES AT THE SPACING SHOWN IN TABLE 2-13 (SHEET 13).  
 ADJUST SPACING ON CURVES AS NEEDED.  
 PLACE DELINEATORS ON TANGENTS ACCORDING TO THE TABLE IN STD. DWG. T-05.10.  
 FOR VERY SHORT TANGENTS, PLACE DELINEATORS AT PC AND PT OF CURVES ONLY.  
 FOR LONGER TANGENTS, PLACE DELINEATORS AT DISTANCES D1, D2, & D3. (SEE T-05.01.)  
 ADJUST DELINEATOR SPACING ON TANGENTS AS NEEDED IF TOO SHORT.  
 DELINEATORS SHALL BE PLACED ON BOTH SIDES OF THE ROADWAY EXCEPT AS NOTED IN TABLE 2-19 (SHEET 13)
  7. DELINEATORS SHALL BE PLACED 3' OFF THE EDGE OF PAVEMENT.
  8. FLEXIBLE GUARDRAIL DELINEATORS SHALL BE PLACED AT EACH GUARDRAIL ENDPOST.
  9. FLEXIBLE GUARDRAIL DELINEATORS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL.
- SIGNS**
- SEE SHEET 13 FOR SIGNING NOTES.

SHEET NUMBER	TOTAL SHEETS	
<b>11</b>	<b>27</b>	
STATE	YEAR	
ALASKA	2008	
PROJECT DESIGNATION NUMBERS		
NH-095-6(18)- NO 72170		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
AP	KEB	NCL
ELECTRONIC PATHWAY:		
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EDTIME		
APRIL 2008		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
PREPARED BY: USKH INC.		

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



**SIGNING & STRIPING & ILLUMINATION PLANS**

STATION 195+00 TO STATION 218+00



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 SOUTHEAST REGION

HAINES HIGHWAY  
 BEACH ROAD TO UNION STREET  
 REHABILITATION - 3R  
 FEDERAL NO. NH-095-6(18)

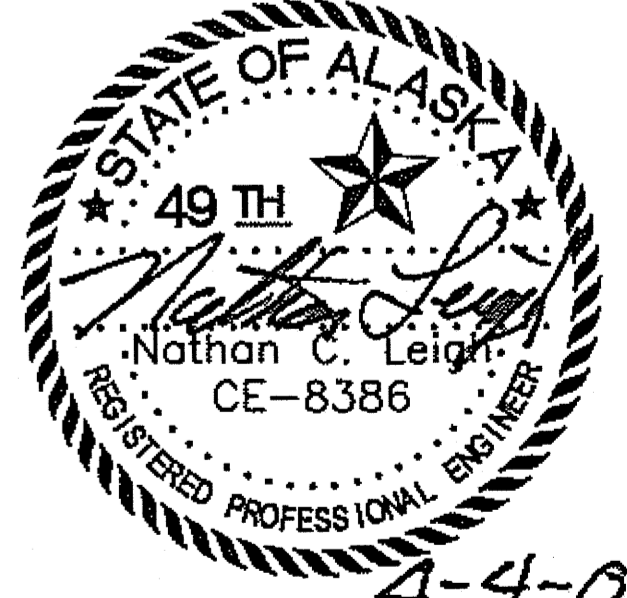
Wed, 09/Apr/08 10:53AM

SHEET NUMBER	TOTAL SHEETS
12	27
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
I:\562202\Dwgs\Sheets\02.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

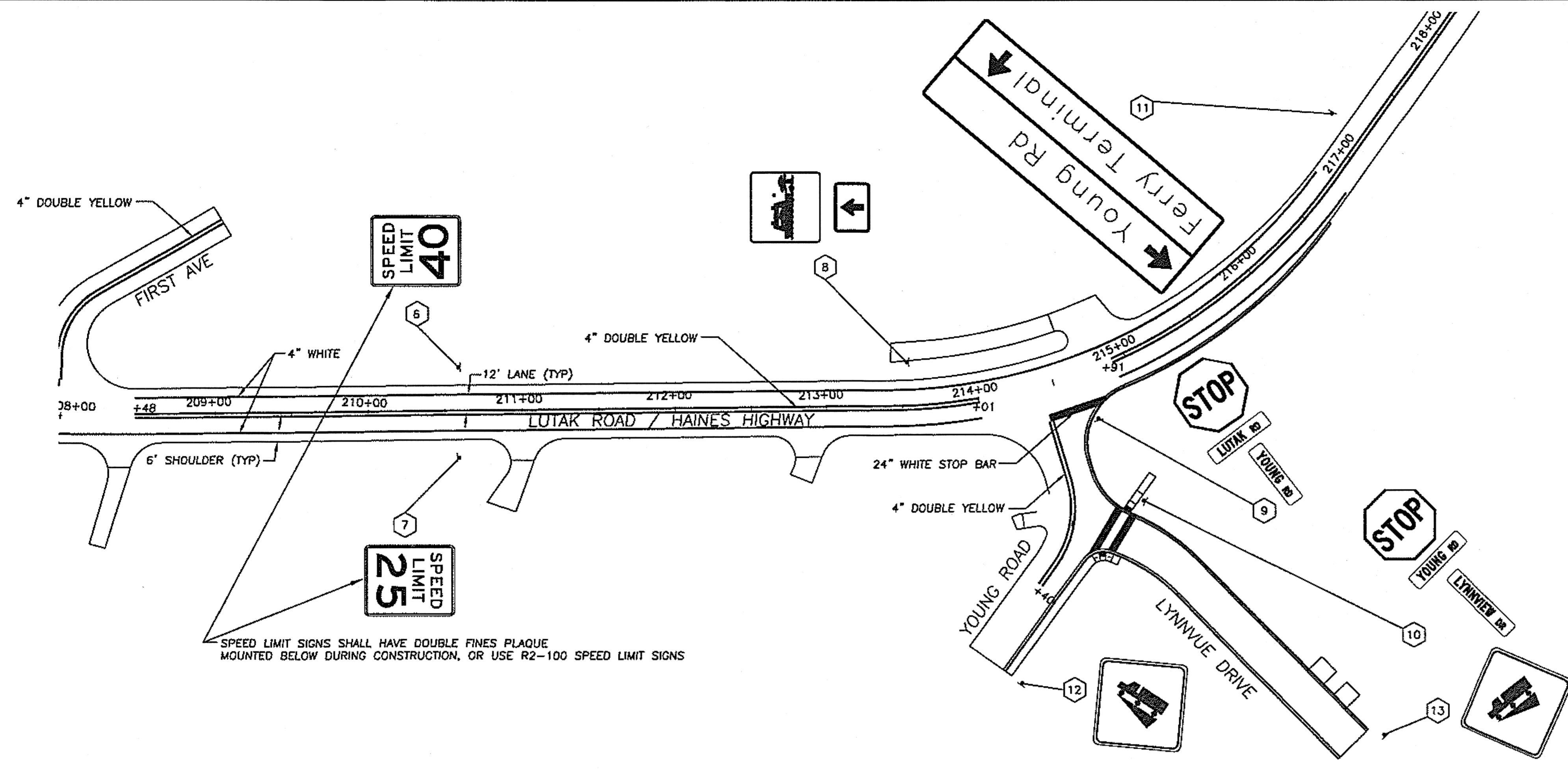
# SIGNING & STRIPING & ILLUMINATION PLANS

STATION 218+00  
TO  
STATION 225+00

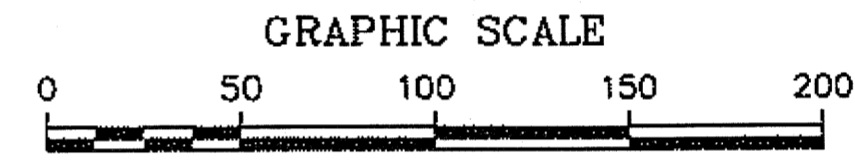


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

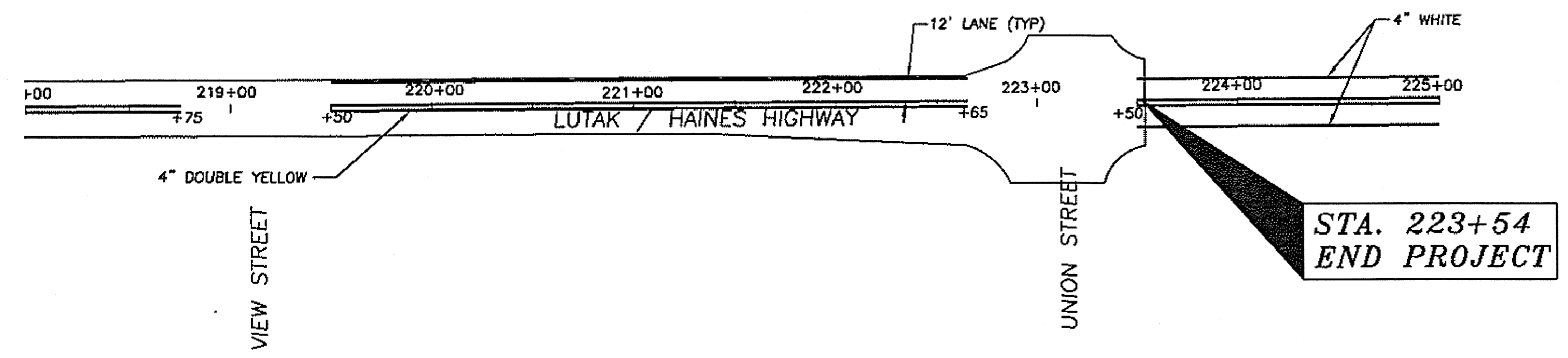
HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)



SPEED LIMIT SIGNS SHALL HAVE DOUBLE FINES PLAQUE MOUNTED BELOW DURING CONSTRUCTION, OR USE R2-100 SPEED LIMIT SIGNS



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



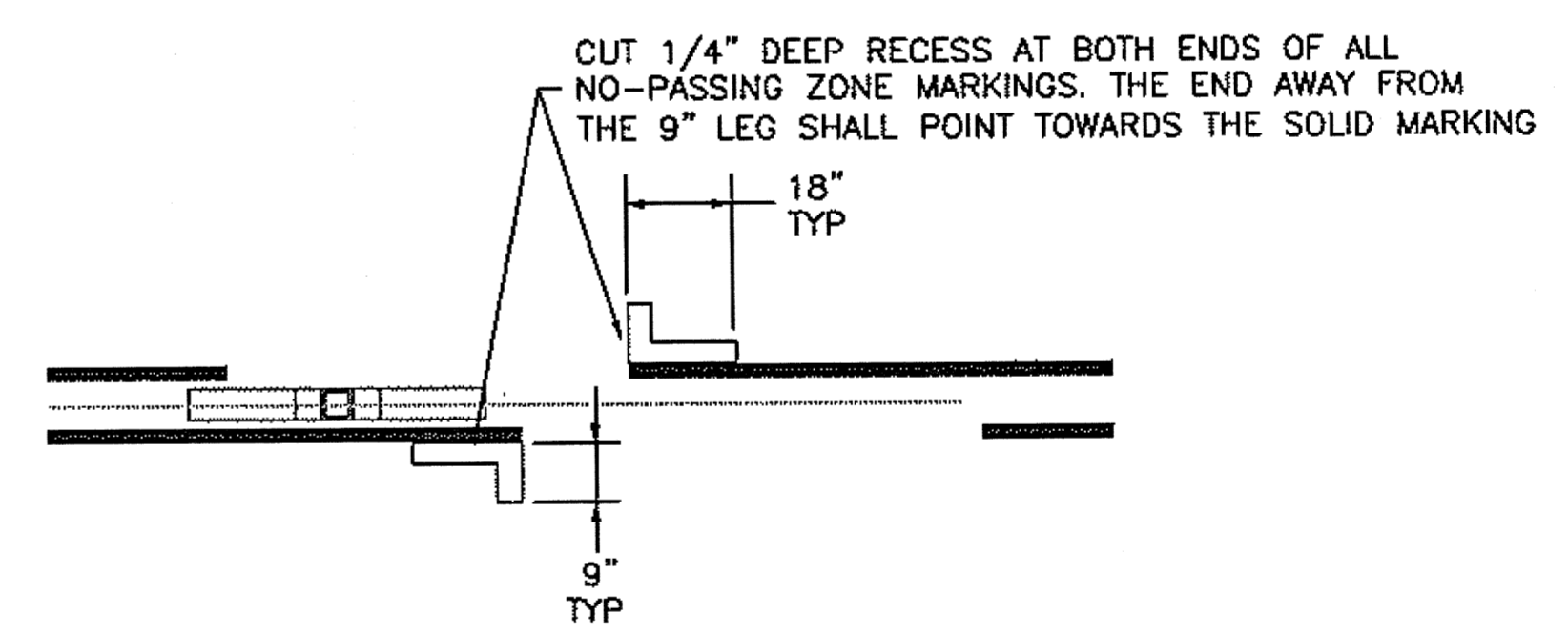
SIGN SUMMARY TABLE												
SHEET NO.	SIGN NO.	STATION	OFFSET		Code No. ASDS	Legend	SIZE INCHES		AREA (SQ.FT)	SIGN FACES	POST SIZE	REMARKS
			LT	RT			W	H				
11	1	198+71.8	29.8		D3-1	BEACH RD	48	12	4.00	NB/SB	-	USE "B" SERIES FONT
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
					R1-1	STOP	30	30	6.25	WB	2 1/2" PST	
11	2	30+90.3		22.0	R5-2	NO TRUCKS (SYMBOL)	30	30	6.25	EB	2 1/2" PST	
11	3	32+00.0		22.0	R2-1	20 MPH	30	36	7.50	EB	2 1/2" PST	
11	4	206+35		30.0	D3-1	OCEANVIEW DR	54	12	4.50	NB/SB	-	USE "B" SERIES FONT
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
					R1-1	STOP	30	30	6.25	EB	-	
11	5	207+73.7	28.0		D3-1	FIRST AVE	48	12	4.00	NB/SB	-	
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
					R1-1	STOP	30	30	6.25	WB	2 1/2" PST	
12	6	210+58.9	30.0		R2-1	40 MPH	30	36	7.50	NB	2 1/2" PST	
12	7	210+58.9		30.0	R2-1	25 MPH	30	36	7.50	SB	2 1/2" PST	
12	8	213+53.8	30.2		I-100	FERRY TERMINAL (SYMBOL)	30	30	6.25	NB	2 1/2" PST	
12	9	214+69.2		32.2	M6-3	ARROW PLATE, VERTICAL (WHITE ON GREEN)	21	15	2.19	NB	-	
					D3-1	YOUNG RD	48	12	4.00	NB/SB	-	
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
12	10	214+75.8		93.7	R1-1	STOP	30	30	6.25	EB	2 1/2" PST	
					D3-1	LYNNVIEW DR	48	12	4.00	EB/WB	-	
					D3-1	YOUNG RD	48	12	4.00	NB/SB	-	
12	11	217+16.9	26.0		R1-1	STOP	30	30	6.25	NB	2 1/2" PST	
12	12	7+00.0	28.2		D1-2	YOUNG ROAD, FERRY TERMINAL	132	42	38.50	NB	(2) 3" TS	YOUNG ROAD
12	13	14+50.0	19.0		W7-1	HILL	36	36	9.00	SB	2 1/2" PST	LYNNVUE DRIVE
							TOTAL		165.44			

SHEET NUMBER	TOTAL SHEETS
<b>13</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
I:\562202\Drawg\Sheets\03.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

**SIGNING NOTES**

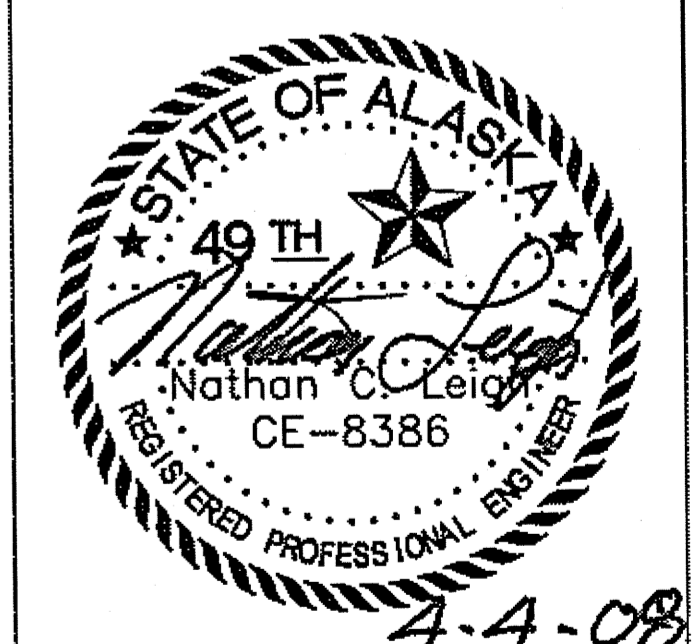
- FOR THE PURPOSE OF THIS TABLE LUTAK ROAD IS CONSIDERED AS RUNNING NORTH AND SOUTH. TRAFFIC TRAVELING TOWARDS HAINES IS CONSIDERED SOUTHBOUND (SB). TRAFFIC TRAVELING TOWARDS THE FERRY TERMINAL IS CONSIDERED NORTHBOUND (NB). TRAFFIC ENTERING FROM THE LEFT OR RIGHT IS CONSIDERED WESTBOUND (WB) OR EASTBOUND (EB) RESPECTIVELY.
- SIGN LOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
- EXISTING SIGNS SHALL BE SALVAGED OR REMOVED AND DISPOSED OF AS DIRECTED BY THE ENGINEER.
- THE SALVAGING OR DISPOSAL OF EXISTING SIGNS SHALL BE CONSIDERED INCIDENTAL TO ITEM 615(1) AND NO ADDITIONAL PAYMENT SHALL BE MADE.
- SIZES FOR SPECIAL SIGNS AND VARIABLE DESTINATION SIGNS MAY VARY. USE CLEARVIEW FONT 5W.



**1**  
**I3** NO-PASSING GROOVES  
NTS

TABLE 1-I3

670(8) RECESSED PAVEMENT MARKERS - EACH							
STATION		SPACING (ft)			COLOR		No. REQ'D.
FROM	TO	20	40	80	Y	W/R	
195+00	197+25.71			X	X		3
197+25.71	198+45.71		X		X		4
199+43.88	200+63.88		X		X		4
200+63.88	205+41.69			X	X		5
205+41.69	207+56.68		X		X		6
208+46.68	209+66.68		X		X		4
209+66.68	212+80.83			X	X		3
212+80.83	214+00.83		X		X		4
214+90.96	216+79.84		X		X		6
TOTAL							39



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

**TRAFFIC CONTROL NOTES**

- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, BUT NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
- THE CONTRACTOR SHALL USE THE DOUBLE FINES TRAFFIC CONTROL SETUP IN ACCORDANCE WITH STANDARD DRAWING C-04.12.
- CONSTRUCTION WARNING SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ONCE THE CONTRACTOR BEGINS IMPROVEMENTS, THE FOLLOWING TRAFFIC CONTROLS SHALL REMAIN IN FORCE UNTIL THE PROJECT IS COMPLETED.
  - THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO NOT INTERFERE WITH NORMAL SCHEDULED FERRY ACTIVITIES OR VEHICULAR TRAFFIC TO OR FROM THE EXISTING FERRY TERMINAL. THE CONTRACTOR SHALL LIMIT TRAFFIC DELAYS TO 10 MINUTES OR LESS FROM 2 HOURS PRIOR TO FERRY ARRIVAL TO ONE HOUR AFTER THE FERRY DEPARTS.
  - THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO NOT INTERFERE WITH NORMAL SCHEDULED SCHOOL BUS SERVICE. THE CONTRACTOR SHALL LIMIT SCHOOL BUS TRAFFIC DELAYS TO 10 MINUTES OR LESS.
  - THE CONTRACTOR SHALL NOT CLOSE THE ROAD TO TRAFFIC EXCEPT FOR BLASTING OR CULVERT INSTALLATION. THE MAXIMUM DELAY SHALL BE ONE HALF HOUR.
- TWO LANE TWO WAY TRAFFIC SHALL BE MAINTAINED FROM 6:30 A.M. - 8:00 A.M., AND 4:00 - 6:00 P.M.
- TWO-WAY COMMUNICATIONS SHALL BE MAINTAINED BETWEEN FLAGGERS AT ALL TIMES, EITHER THROUGH VISUAL CONTACT OR THROUGH RADIO CONTACT.
- TWO TRAFFIC LANES SHALL BE MAINTAINED AT ALL TIMES DURING NON-WORKING HOURS AND IN NON-WORK AREAS WITHIN THE PROJECT LIMITS.
- DRIVING LANES SHALL BE A MINIMUM OF 10 FT WIDE.
- INTERSECTING SIDE STREETS SHALL REMAIN ACCESSIBLE AT ALL TIMES.
- DRIVEWAYS MAY BE CLOSED ONLY DURING PERIODS WHEN ACTUAL WORK IS BEING PERFORMED ON A GIVEN DRIVEWAY. THE PERIOD OF CLOSURE MAY NOT EXCEED EIGHT HOURS. AFFECTED RESIDENTS SHALL BE GIVEN NOTICE 24 HOURS PRIOR TO THE CLOSURE OF THE DRIVEWAY. ACCESS TO COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING BUSINESS HOURS.
- CONES SHALL BE USED FOR CHANNELING TRAFFIC THROUGH THE CONSTRUCTION AREA, CONES SHALL HAVE A MINIMUM HEIGHT OF 28" MAXIMUM SPACING BETWEEN THE CONES SHALL BE EQUAL TO THE SPEED LIMIT IN FEET.
- THE LENGTH OF SINGLE LANE CLOSURE MAY BE REDUCED TO AVOID EXCESSIVE TRAFFIC DELAYS AS DIRECTED BY THE ENGINEER.
- TEMPORARY PAVEMENT MARKING SHALL BE REQUIRED AS DESCRIBED IN SECTION 643-3.04 OF THE SPECIFICATIONS.
- FLOOD LIGHTING SHALL BE PROVIDED FOR FLAGGER STATIONS DURING ALL NIGHT TIME OPERATIONS.
- A SINGLE FLAGGER MAY BE APPROVED BY THE ENGINEER IF THE ENTIRE WORK AREA IS LESS THAN 50 FT LONG AND IS VISIBLE FROM BOTH DIRECTIONS.
- 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, BLASTING, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.

**LEGEND**

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- BLASTING CAP

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS  $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER  $L = W \times S$

L = TAPER LENGTH (FEET)

W = WIDTH OF OFFSET (FEET)

S = POSTED SPEED LIMIT (MPH)

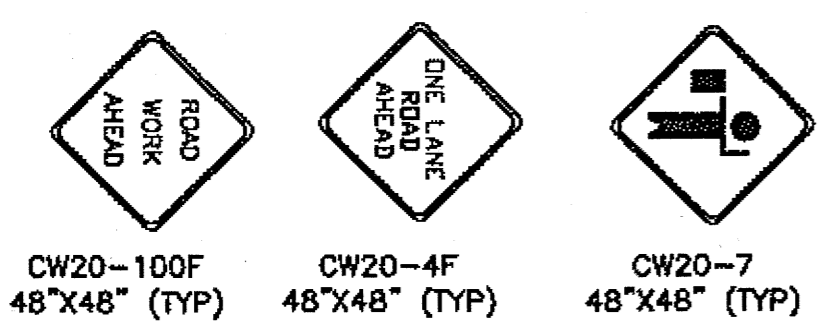
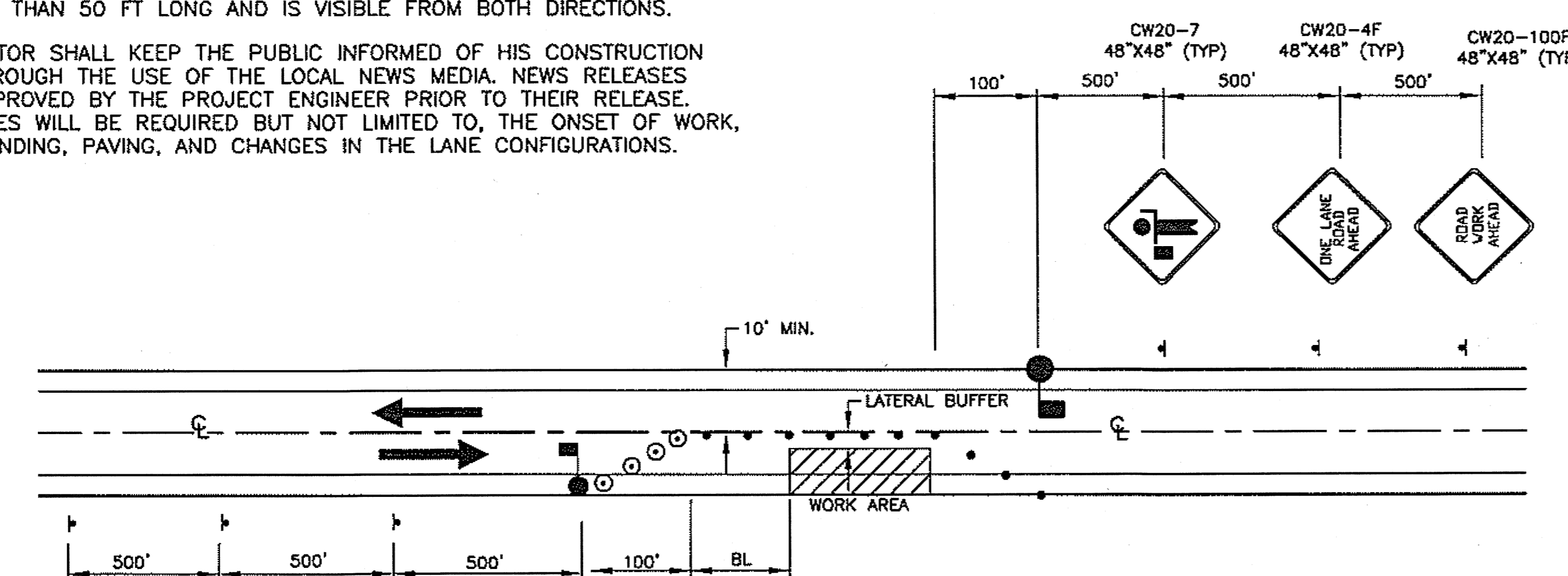
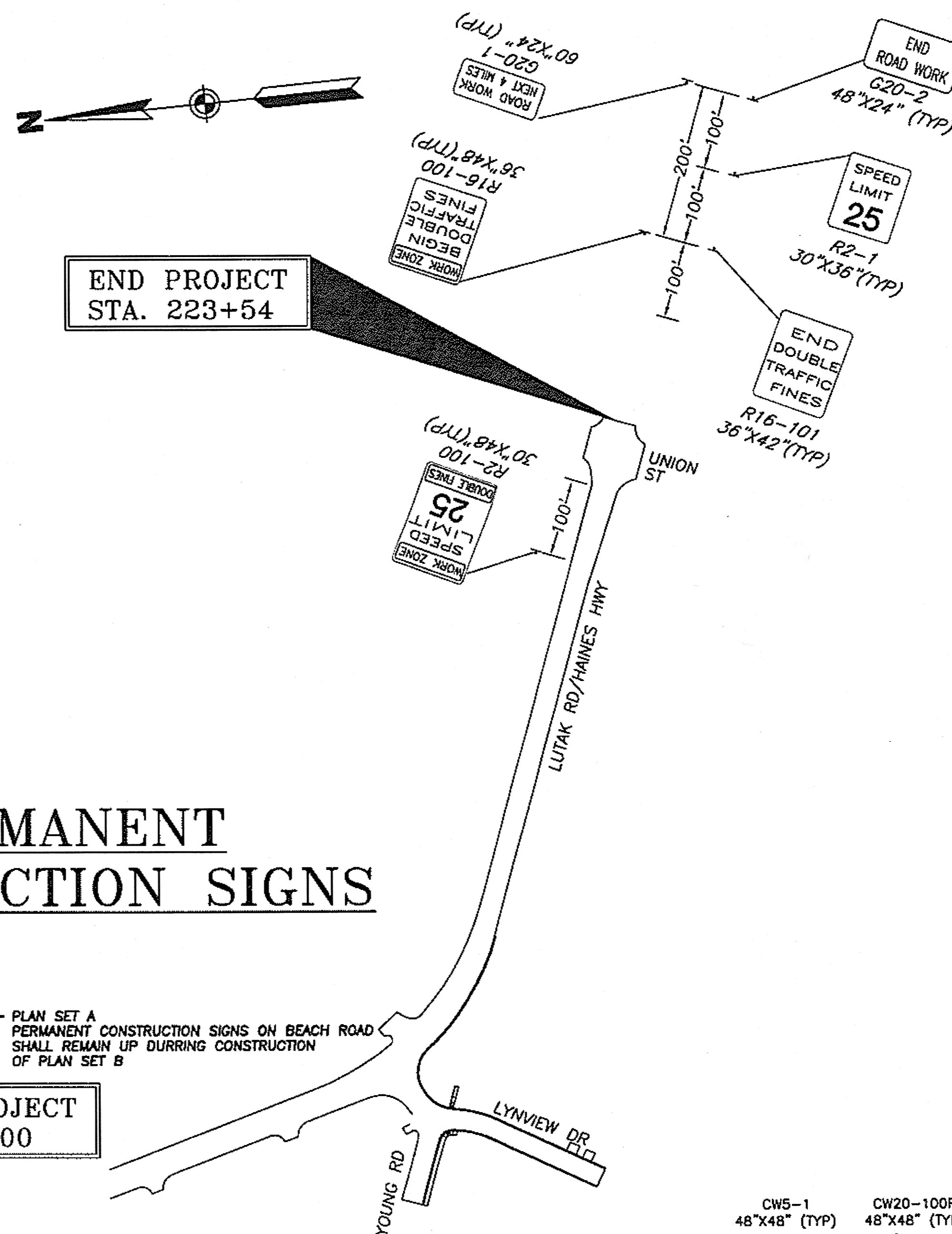
DRUM OR CONE SPACING = S ( IN FEET)

MPH	LENGTH (FT)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

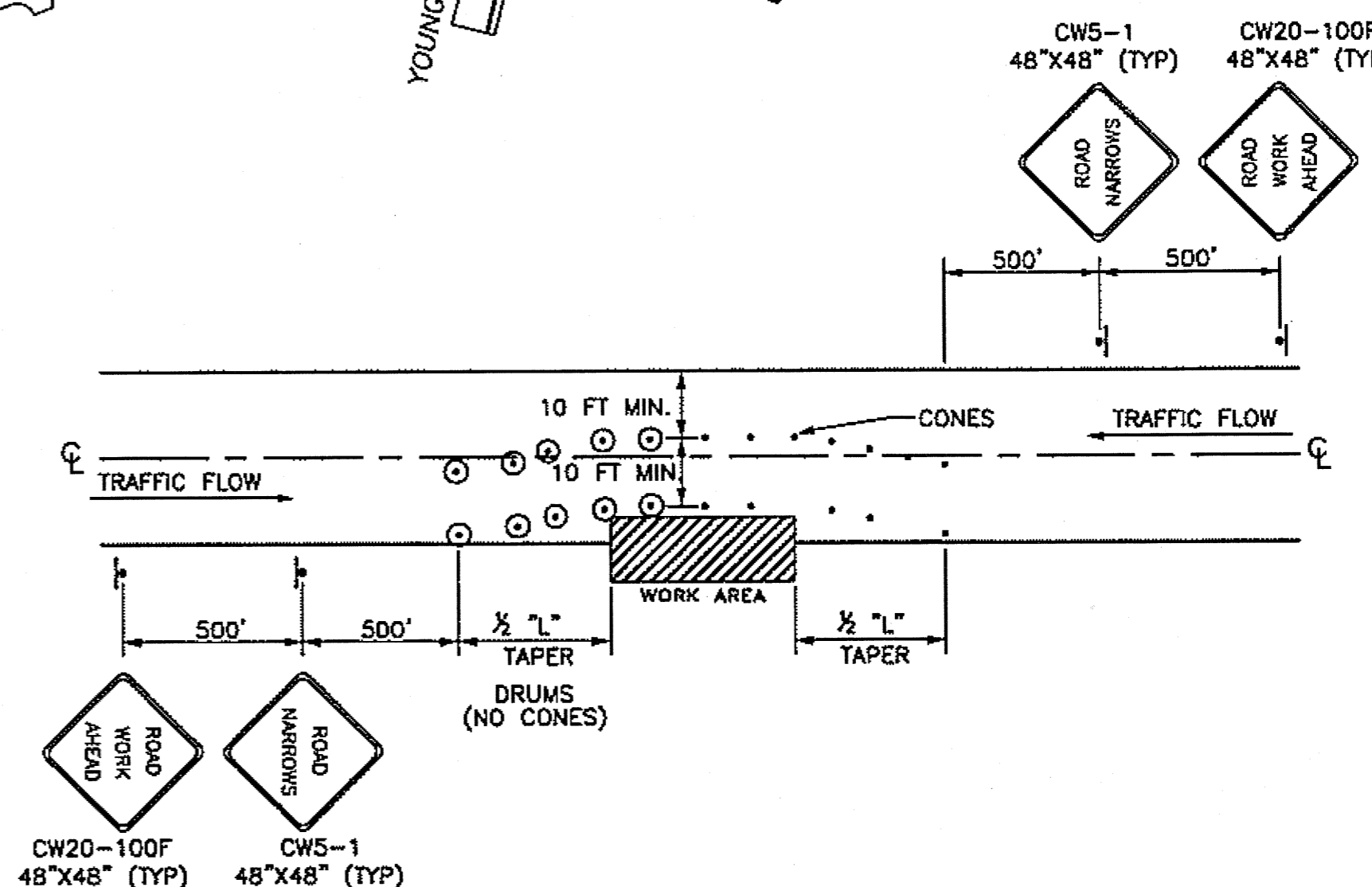
**PERMANENT CONSTRUCTION SIGNS**

PLAN SET A PERMANENT CONSTRUCTION SIGNS ON BEACH ROAD SHALL REMAIN UP DURING CONSTRUCTION OF PLAN SET B

BEGIN PROJECT STA. 195+00



**SINGLE LANE CLOSURE-TWO LANE ROAD**



**ROADWAY ENCROACHMENT**

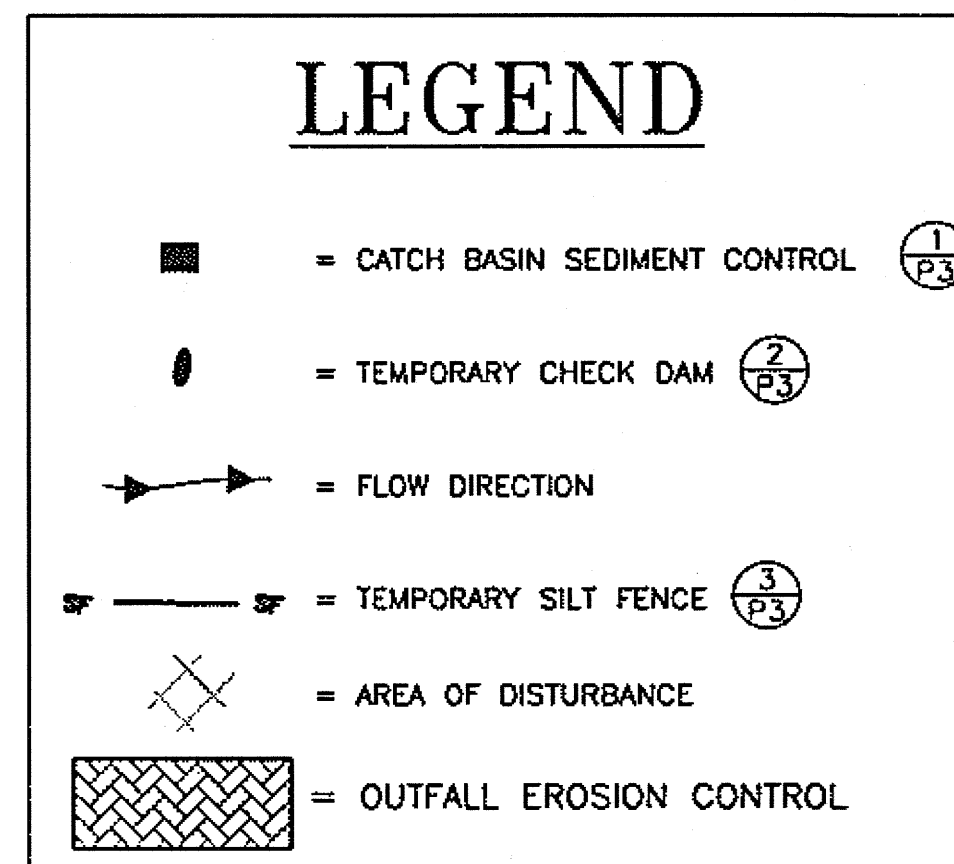
NOTE: IF ONLY ONE LANE IS AFFECTED BY ROAD WORK (THAT IS, THE DRUMS ALONG THE WORK AREA ARE NOT CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

SHEET NUMBER	TOTAL SHEETS
K1	27
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP KEB NCL	
ELECTRONIC PATHWAY:	
E:\562202\Dwg\Sheet\K01.dwg	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
PREPARED BY: USKH INC.	
<p><b>TRAFFIC CONTROL PLANS</b></p> <p>STATION 218+00 TO STATION 225+00</p>	
<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION</p> <p>HAINES HIGHWAY BEACH ROAD TO UNION STREET REHABILITATION - 3R FEDERAL NO. NH-095-6(18)</p>	



**ESCP GENERAL NOTES:**

1. THE CONTRACTOR SHALL DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT. THE PLAN SHALL COMPLY WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS FOR STORM WATER DISCHARGE FROM CONSTRUCTION SITES. SEE SECTION 641 OF THE SPECIAL PROVISIONS AND THE ALASKA SWPPP GUIDE (AS CURRENTLY AMENDED).
2. MINIMIZE THE AREA AND TIME PERIOD ERODIBLE SOILS ARE EXPOSED TO STORM WATER. PHASE CLEARING OPERATIONS TO TAKE ADVANTAGE OF THE EXISTING COVER ONSITE BEFORE CONSTRUCTION TO PROVIDE TEMPORARY COVER FOR DISTURBED AREAS NOT CURRENTLY BEING WORKED. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS PRACTICABLE.
3. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED BEFORE ERODIBLE SOILS ARE EXPOSED AND MAY HAVE TO BE REMOVED AND REINSTALLED DAILY TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. ALL DEVICES SHALL BE MAINTAINED ON A DAILY BASIS INCLUDING, BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ACCUMULATED SOILS, CLEANING DEVICES AND REPLACEMENT OF DAMAGED DEVICES WITH NEW.
4. THE CONTRACTOR SHALL MAINTAIN DEVICES AND CORRECT ANY PROBLEMS OCCURRING DUE TO INADEQUATE PROTECTION MEASURES. INSPECT AND REPAIR DEVICES AFTER EACH RAINFALL. REMOVE AND DISPOSE OF SEDIMENT CONTROL DEVICES AFTER STABILIZATION OF SLOPES.
5. WATER, OR NON-TOXIC DUST PALLIATIVES, SHALL BE USED TO CONTROL DUST.
6. PROVIDE EROSION CONTROL MATTING OR OTHER BMP, SUCH AS SURFACE ROUGHENING, ON ALL SLOPES STEEPER THAN 3H:1V AND SLOPES WHERE IMMEDIATE SEEDING IS NOT PRACTICAL.
7. THE CONTRACTOR SHALL PROVIDE INLET PROTECTION ON ALL INLETS THAT WOULD RECEIVE RUNOFF FROM PROJECT ACTIVITIES. INLET PROTECTION SHALL BE SEQUENCED TO PROTECT EXISTING INLETS AND NEW INLETS AS PROJECT PHASING OCCURS.
8. UNCONTAMINATED GROUND WATER SHALL BE DISPOSED OF BY PUMPING THROUGH A FILTER BAG OR DEWATERING BASIN TO REMOVE SEDIMENT BEFORE WATER RE-ENTERS SYSTEM.

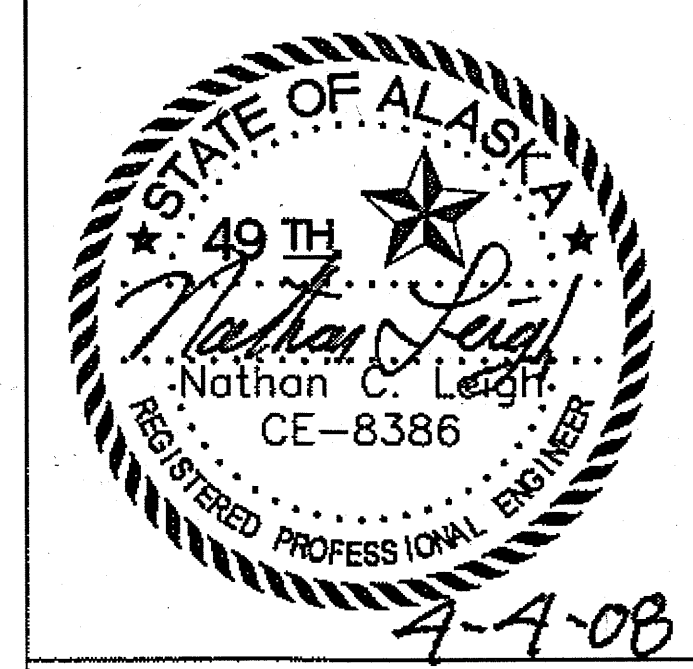


SHEET NUMBER	TOTAL SHEETS
<b>P1</b>	<b>27</b>
STATE	YEAR
ALASKA	2008
PROJECT DESIGNATION NUMBERS	
NH-095-6(18)- NO 72170	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
SL	CP NCL
ELECTRONIC PATHWAY:	
EDTIME	
APRIL 2008	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHIC 2004	

PREPARED BY: USKH INC.

**EROSION AND  
SEDIMENT  
CONTROL PLAN**

B.O.P.  
TO  
STATION 221+00



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION

HAINES HIGHWAY  
BEACH ROAD TO UNION STREET  
REHABILITATION - 3R  
FEDERAL NO. NH-095-6(18)

