

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION**

**HAINES, ALASKA
HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION
ARRA-0956(032)
PROJECT NO. 68948**

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-D2	SUMMARY SHEETS
E1-E6	INTERSECTION DETAILS
F1-F3	PLAN & PROFILE
G1	ADDITIVE ALTERNATE 1 WATERLINE UPGRADES
H1-H3	SIGNING AND STRIPING PLANS AND SUMMARIES
K1	TRAFFIC CONTROL PLANS
P1-P3	EROSION AND SEDIMENT CONTROL PLAN

"AS-Built" Plans
 Contractor: Southeast Road Builders, Inc.
 Project Engineer: Don Newell
 Begin Construction: 9/22/09
 End Construction: 5/26/11

PROJECT SUMMARY

CDS ROUTE NO.....298150
 CDS MILEPOINT(APPROX).....3.655 TO 4.196
 LENGTH OF PROJECT.....0.544 MILE 0.607
 LENGTH OF GRADING.....0.544 MILE 0.607
 LENGTH OF PAVING.....0.544 MILE 0.607
 WIDTH OF PAVING.....26.5' - 36'

DESIGN CRITERIA

NATIONAL HIGHWAY STANDARDS (NHS)
 REHABILITATION - 3R

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
 D55/45
 TRUCKS %7.9%
 E.A.L.350,000

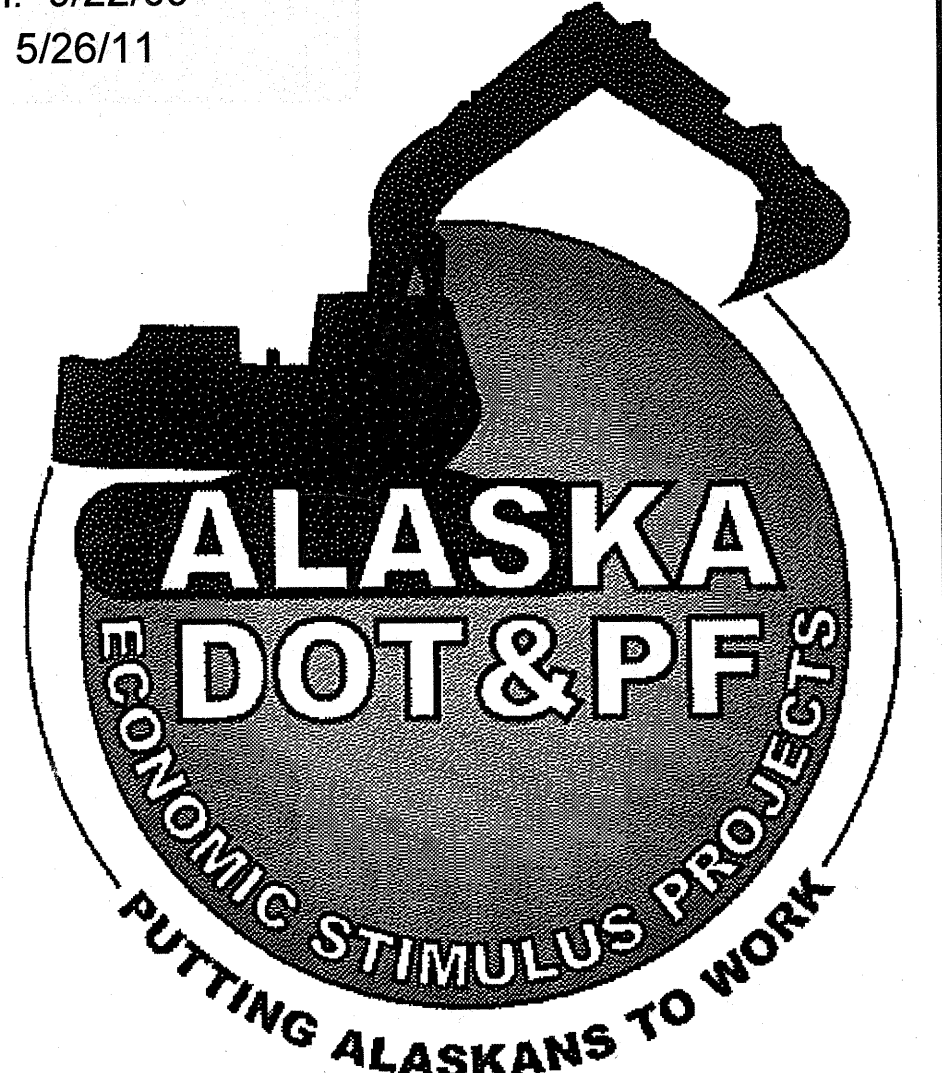
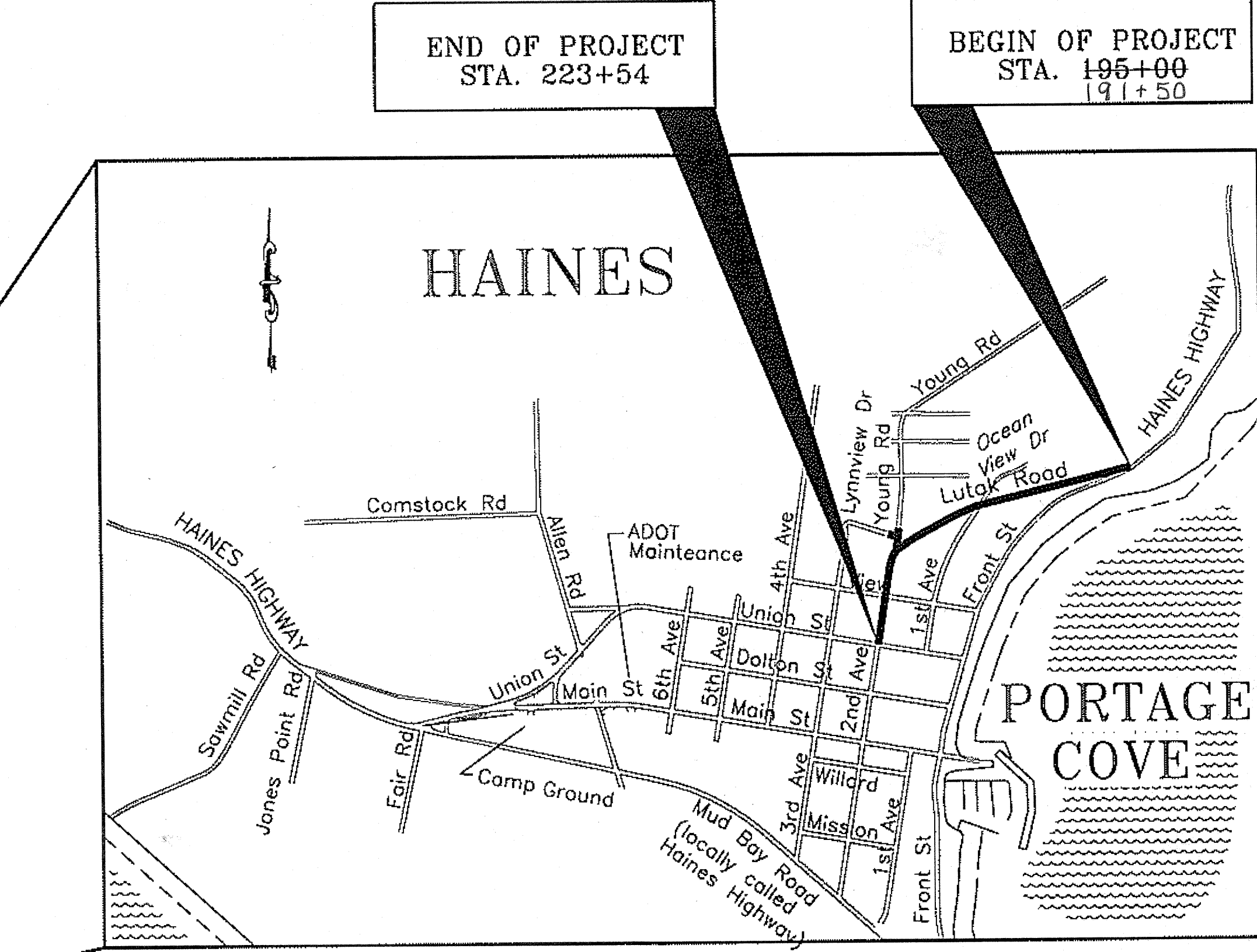
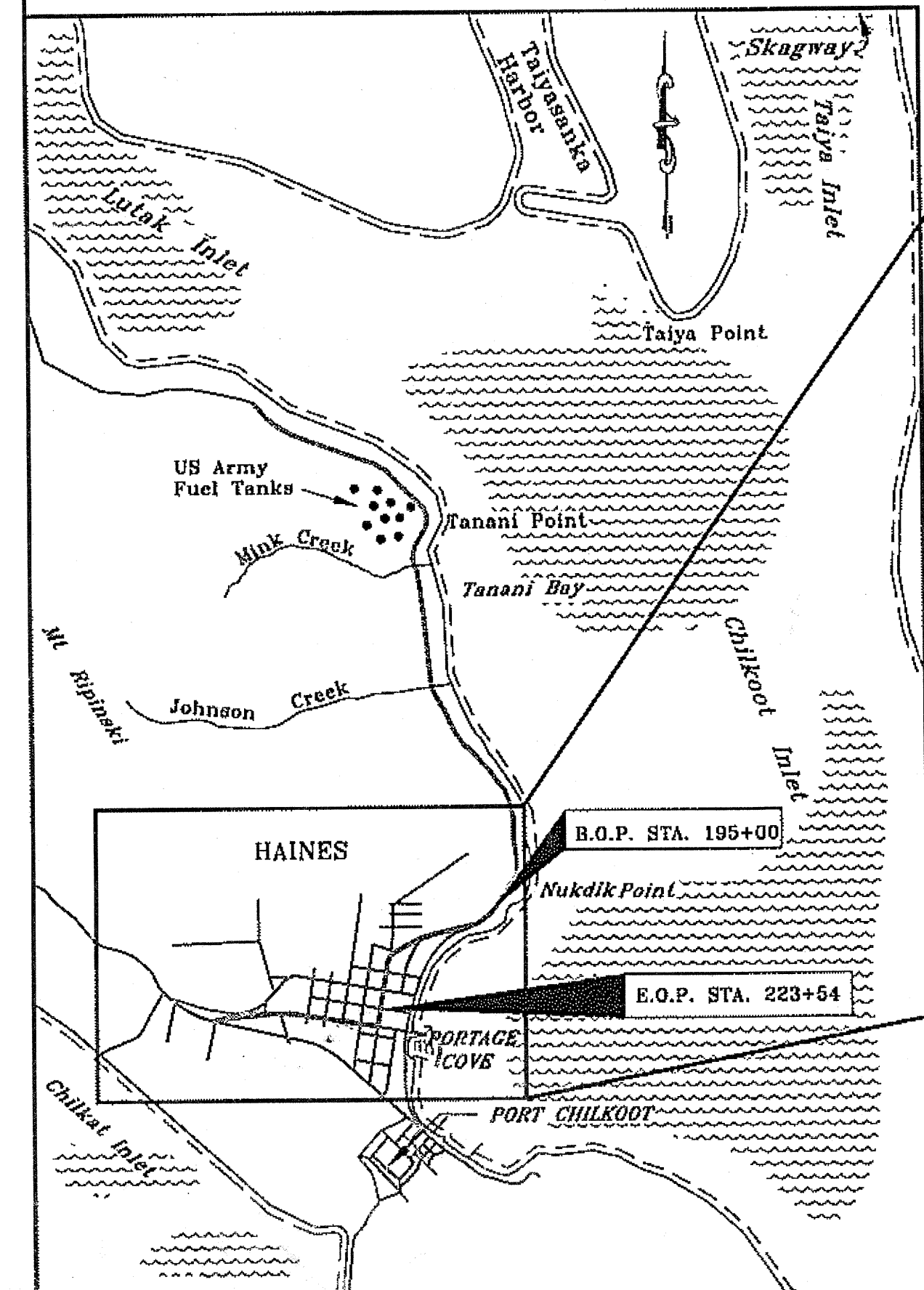
THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

- 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, U-03.00

**CITY & BOROUGH OF JUNEAU (CBJ)
STANDARD DRAWINGS:**

126, 403, 404, 406, 407, 412

VICINITY MAP



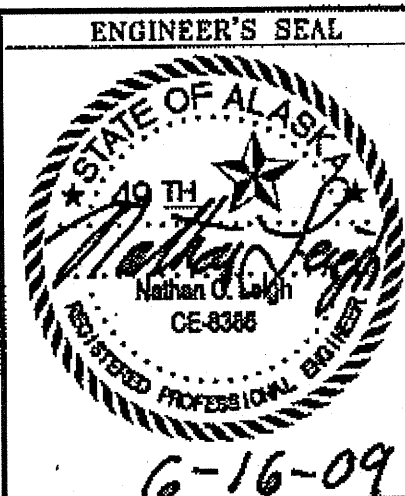
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *Don Newell* Date 7-11-12

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

APPROVED *Victor M. Whitors* Date 6-17-09
 Victor M. Whitors, Regional Preconstruction Engineer

APPROVED *Gary L. Davis* Date 6-17-09
 Gary L. Davis, Director, S.E. Region

PROJECT NUMBER: ARRA-0956(032) 68948	ENGINEER'S SEAL
DATE: June, 2009	
SHEET 1 OF 28	



6-16-09

SHEET NUMBER	TOTAL SHEETS
A2	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL WJP NCL	
ELECTRONIC PATHWAY:	
I:\562205\Dwg\C\Sheets\A02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHHC 2004	

STANDARD RIGHT OF WAY SYMBOLS

LOT/BLOCK/US/SECTION, TOWNSHIP & RANGE LINE	T.17N, R.2W, S4 T.16N, R.2W, S4
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 1/4 SECTION CORNER		
GLO/BLM 1/16 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.
 - CONTRACTOR SHALL UTILIZE ALL USABLE EXCAVATION FOR FILL OR BACKFILL MATERIALS IF MEETING THE SPECIFIED MATERIAL DESIGNATION. OTHERWISE USE IMPORT BORROW IF AUTHORIZED BY THE ENGINEER.
 - INSTALL STORM DRAIN PIPE IN ACCORDANCE WITH STANDARD DETAIL D-01.02.

UTILITY SYMBOLS

	EXISTING	PROPOSED
OIL / FUEL	---F---	---F---
SANITARY SEWER	---S---	---S---
GAS	---G---	---G---
WATER	---W---	---W---
STORM DRAIN & PIPE NO.	---SD---	---SD-1---
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	---UE---	---UE---
UNDERGROUND COMMUNICATION	---UC---	---UC---
CATCH BASIN or DROP INLET		
STORM DRAIN MANHOLE		
SEWER MANHOLE		
MONITORING WELL		
CLEANOUT		
POST		

CONTOURS

MEAN HIGH WATER	---MHW---
EXTREME HIGH TIDE	---EHT---
CONTOUR	---10---

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

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. *M. J. ...* Date 7-11-12

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

LEGEND & GENERAL NOTES



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

SHEET NUMBER	TOTAL SHEETS
A3	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Dwgs\C\Sheets\A03.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

SHEET LAYOUT

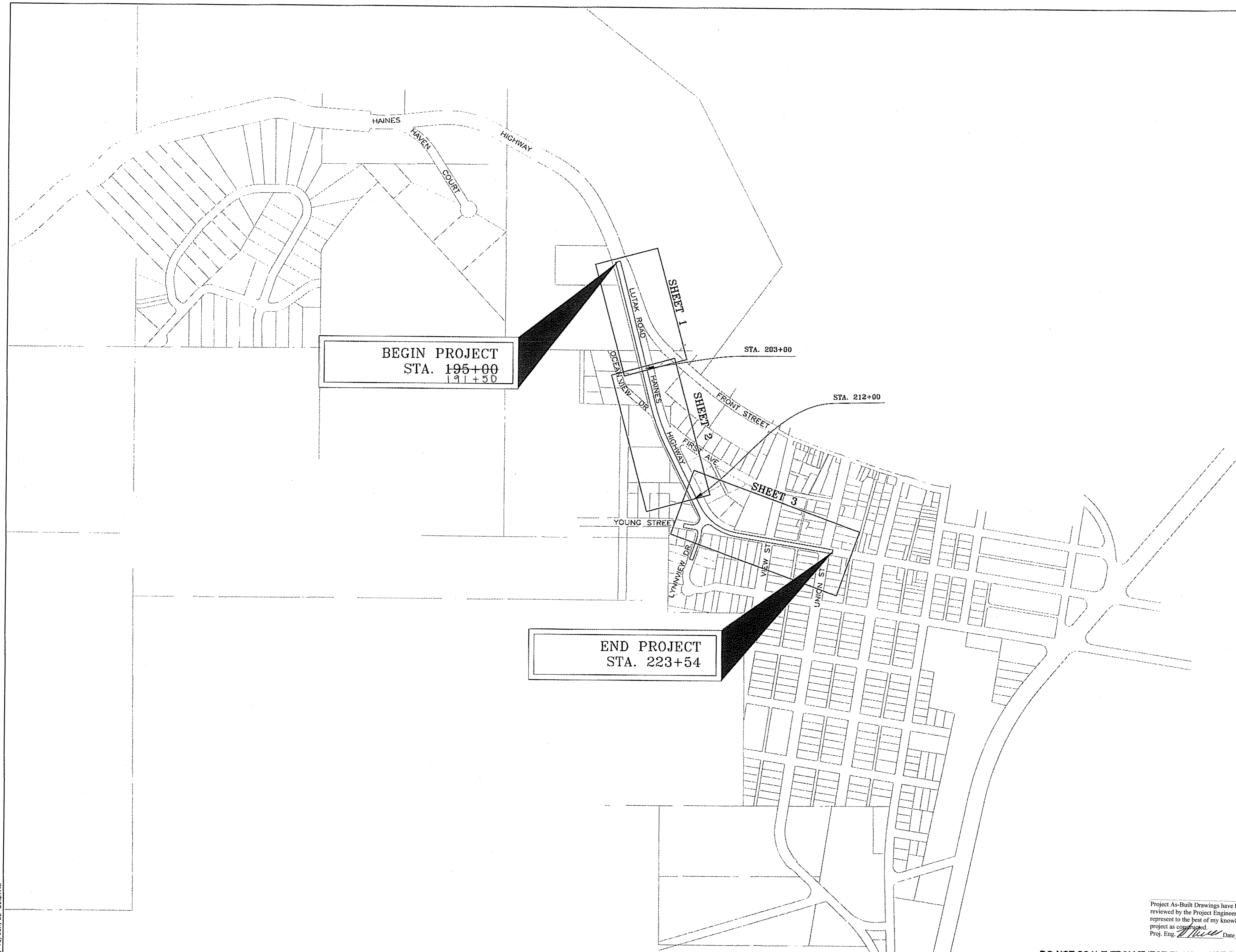


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

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 7-1-12

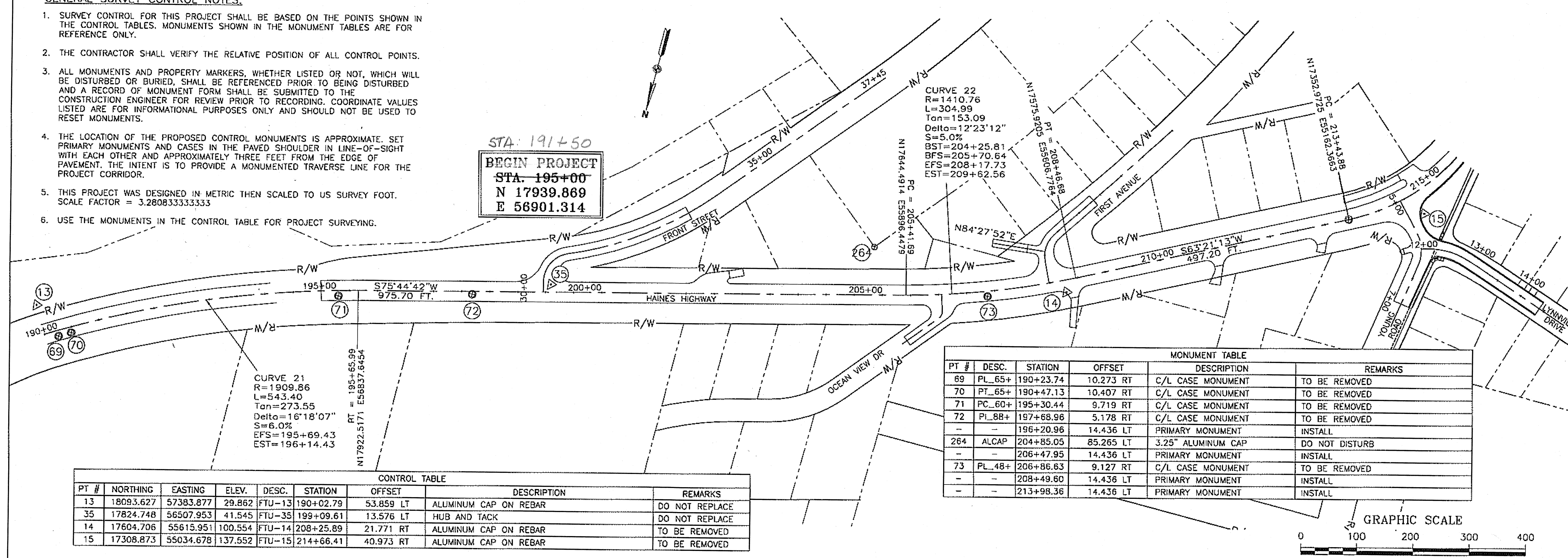
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



Jun 16/09 09:27AM

GENERAL SURVEY CONTROL NOTES:

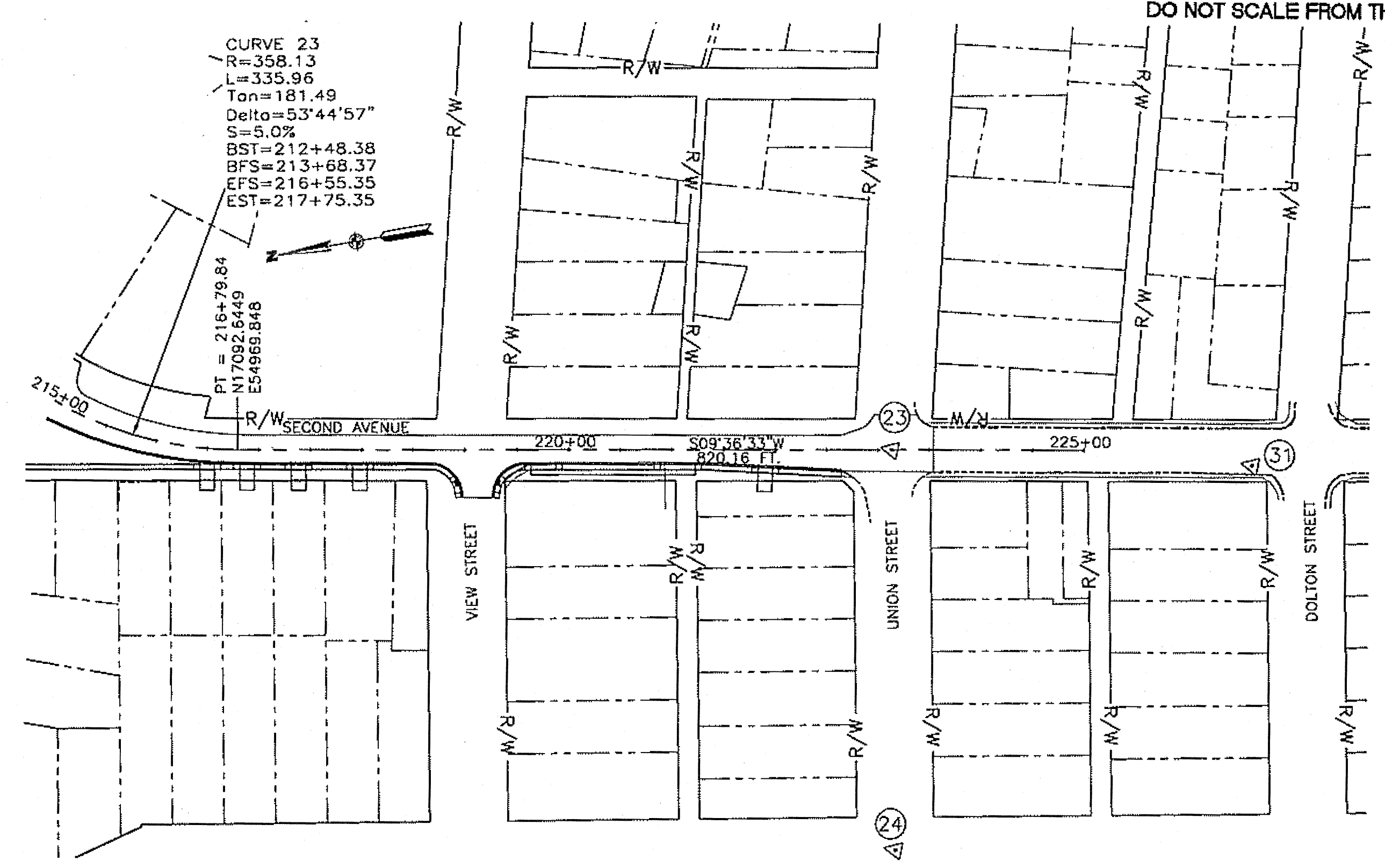
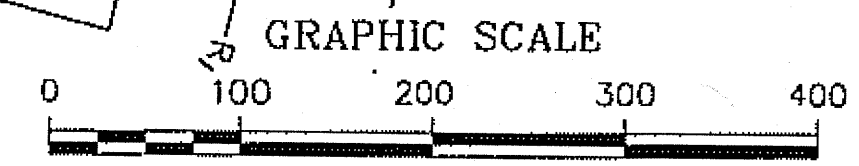
1. SURVEY CONTROL FOR THIS PROJECT SHALL BE BASED ON THE POINTS SHOWN IN THE CONTROL TABLES. MONUMENTS SHOWN IN THE MONUMENT TABLES ARE FOR REFERENCE ONLY.
2. THE CONTRACTOR SHALL VERIFY THE RELATIVE POSITION OF ALL CONTROL POINTS.
3. ALL MONUMENTS AND PROPERTY MARKERS, WHETHER LISTED OR NOT, WHICH WILL 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 = 3.280833333333
6. USE THE MONUMENTS IN THE CONTROL TABLE FOR PROJECT SURVEYING.



STA: 191+50
BEGIN PROJECT
 STA. 195+00
 N 17939.869
 E 56901.314

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_8B+	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

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



END PROJECT
 STA. 223+54
 N 16427.946
 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
A4	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Draws\C\Sheets\A04.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 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
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

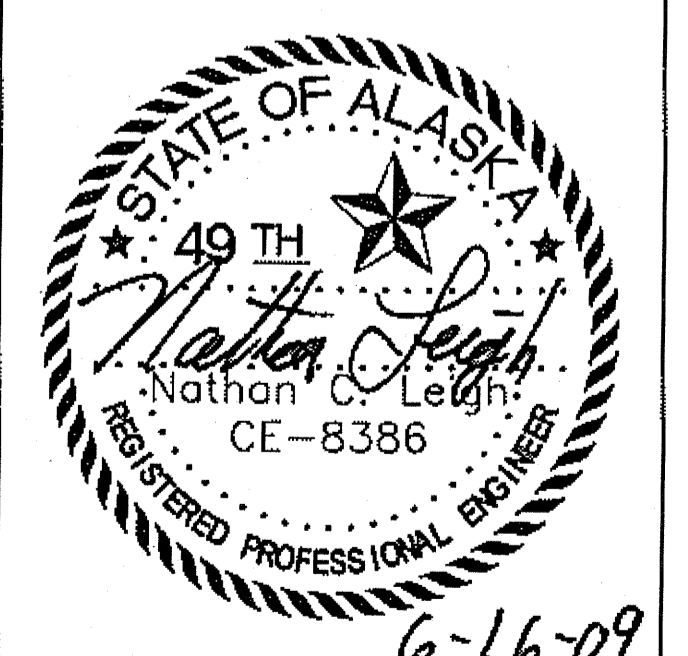
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *M. [Signature]* Date 7-1-09

SHEET NUMBER	TOTAL SHEETS
B1	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Drawings\C\Sheets\B01.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

Sheet B1 dated June 2009
 Replaced by Sheet B1 dated
 March 2010 - E.O. No. 1

PREPARED BY: USKH INC.

TYPICAL SECTION 1

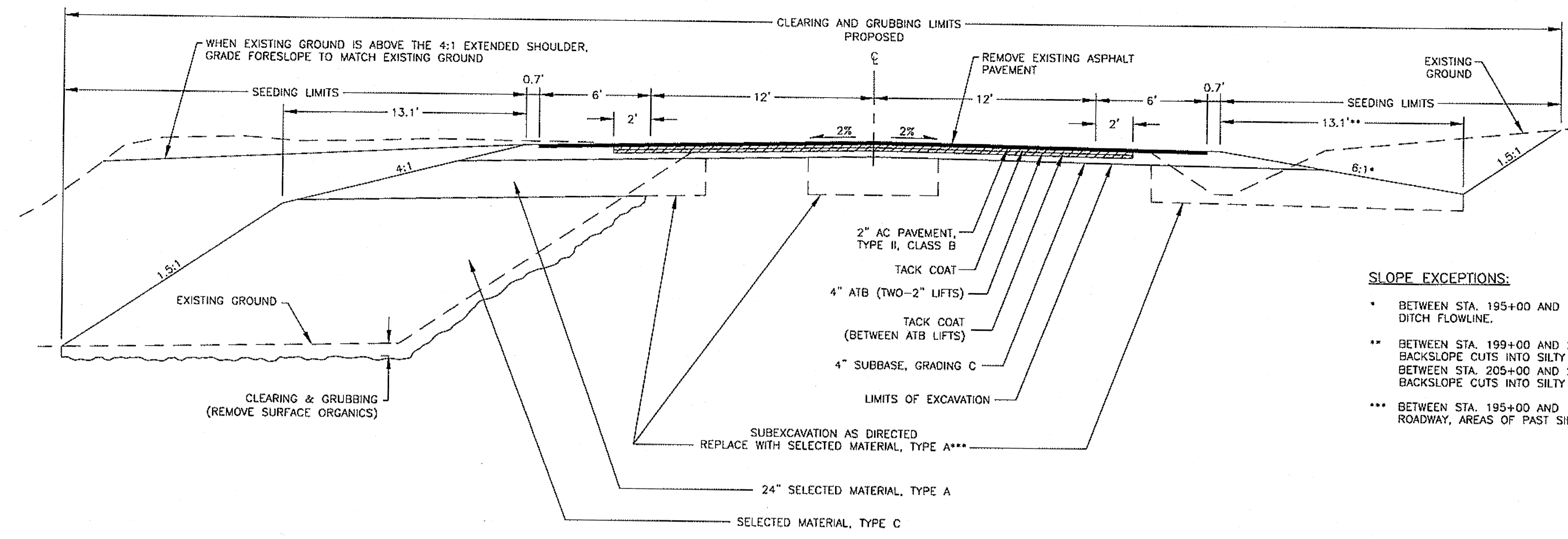


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

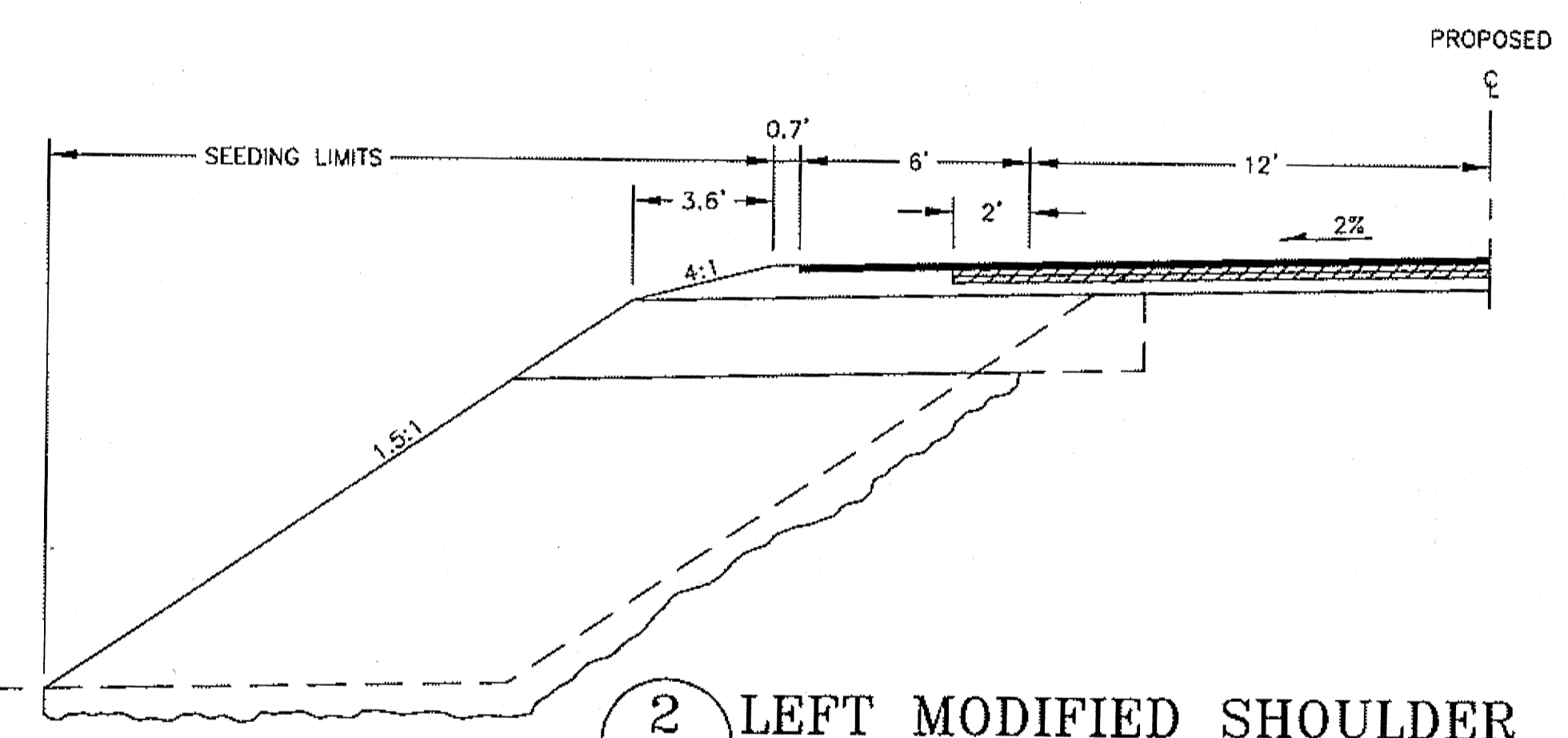
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date 7/1/12

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

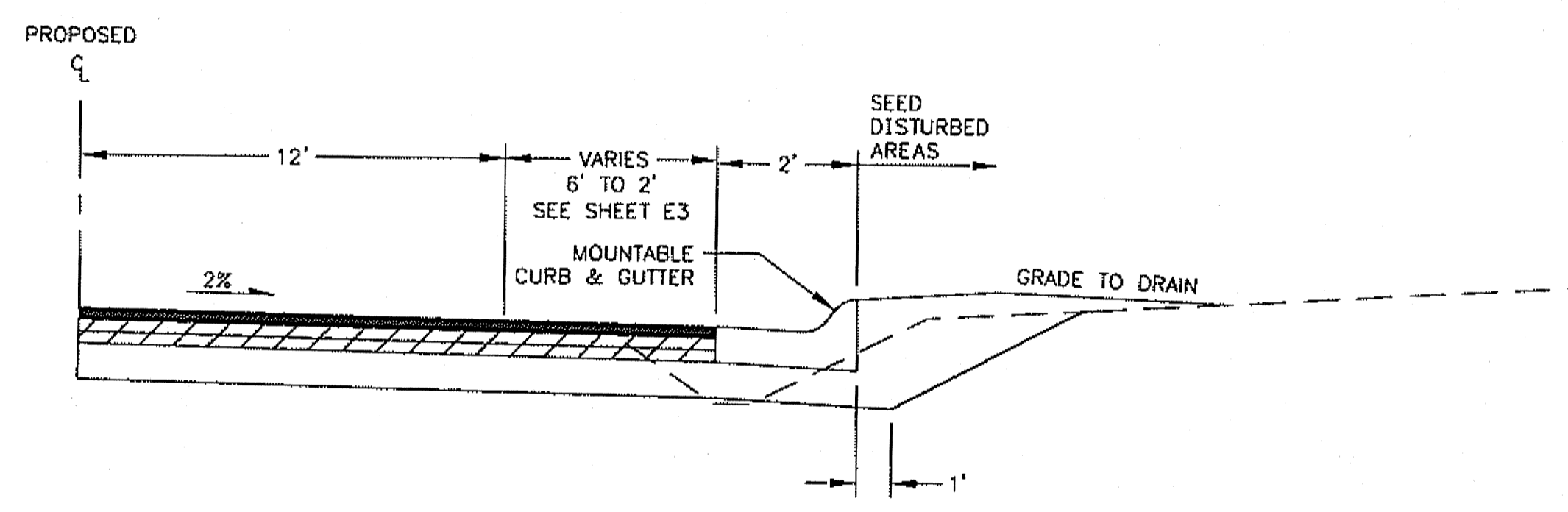


- SLOPE EXCEPTIONS:**
- * BETWEEN STA. 195+00 AND 198+50 GRADE THE FORESLOPE TO MATCH THE EXISTING DITCH FLOWLINE.
 - ** BETWEEN STA. 199+00 AND 202+00 REDUCE SHOULDER TO 7'-9' TO AVOID EXCESSIVE BACKSLOPE CUTS INTO SILTY SOILS AS DIRECTED. BETWEEN STA. 205+00 AND 208+00 REDUCE SHOULDER TO 7'-9' TO AVOID 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.

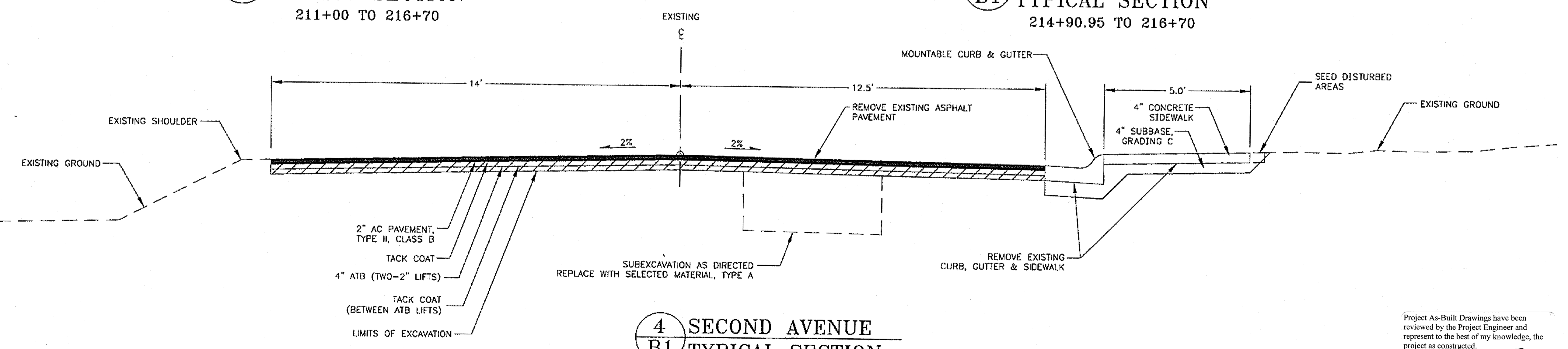
**1 LUTAK ROAD
 B1 TYPICAL SECTION
 195+00 TO 216+70**



**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**

Tue. 16 Jun 09 09:27AM

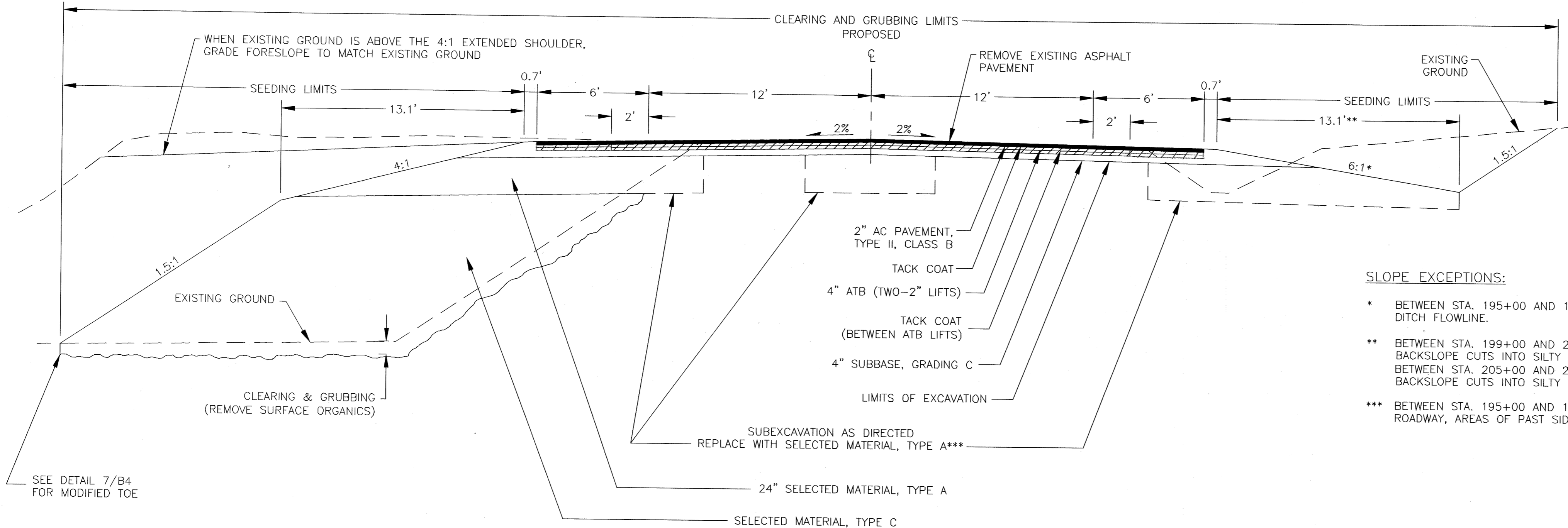
NO.	DATE	DESCRIPTION
△ 3-15-10		C.O. #1

TYPICAL SECTION 1



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

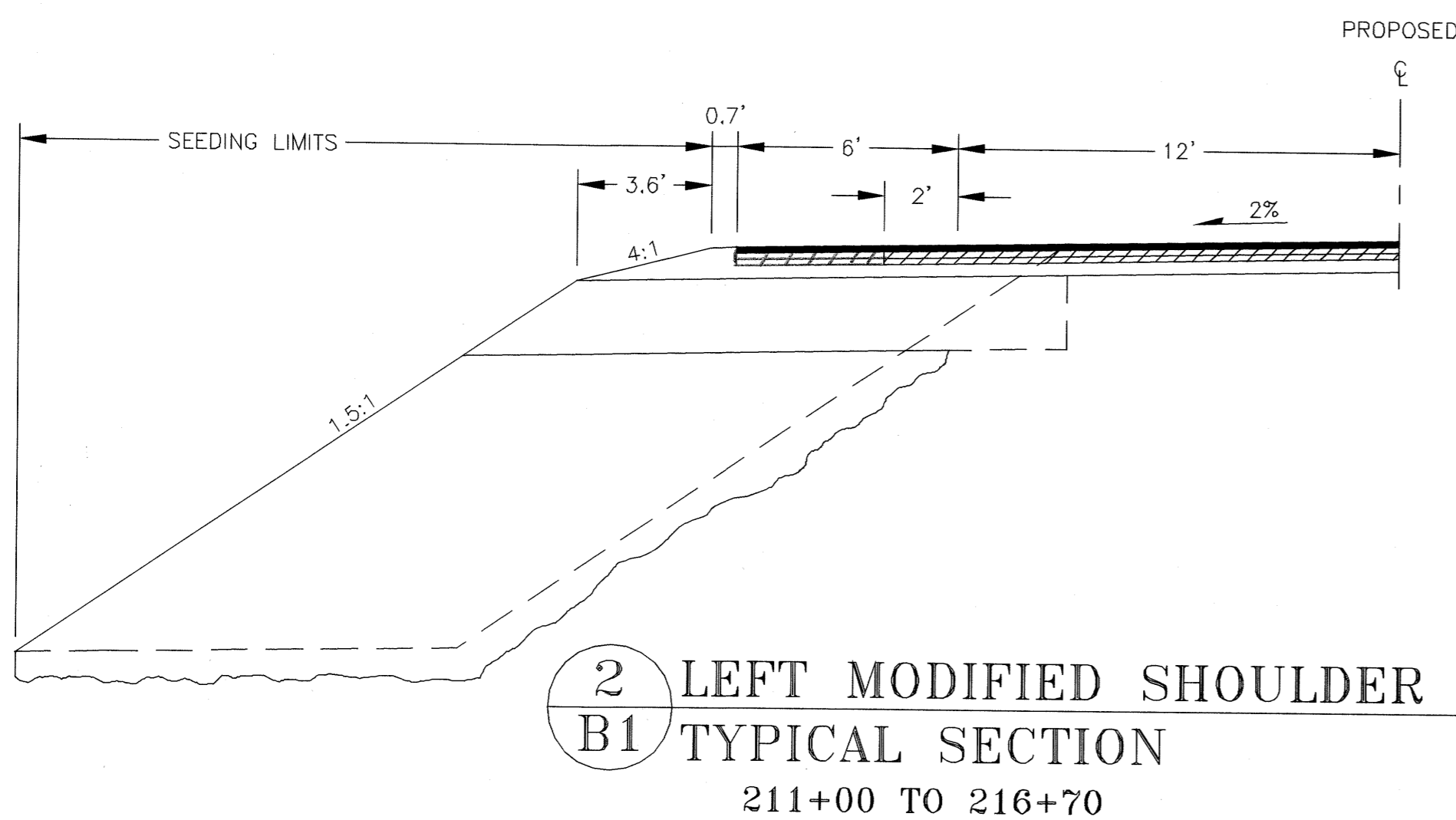
HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)



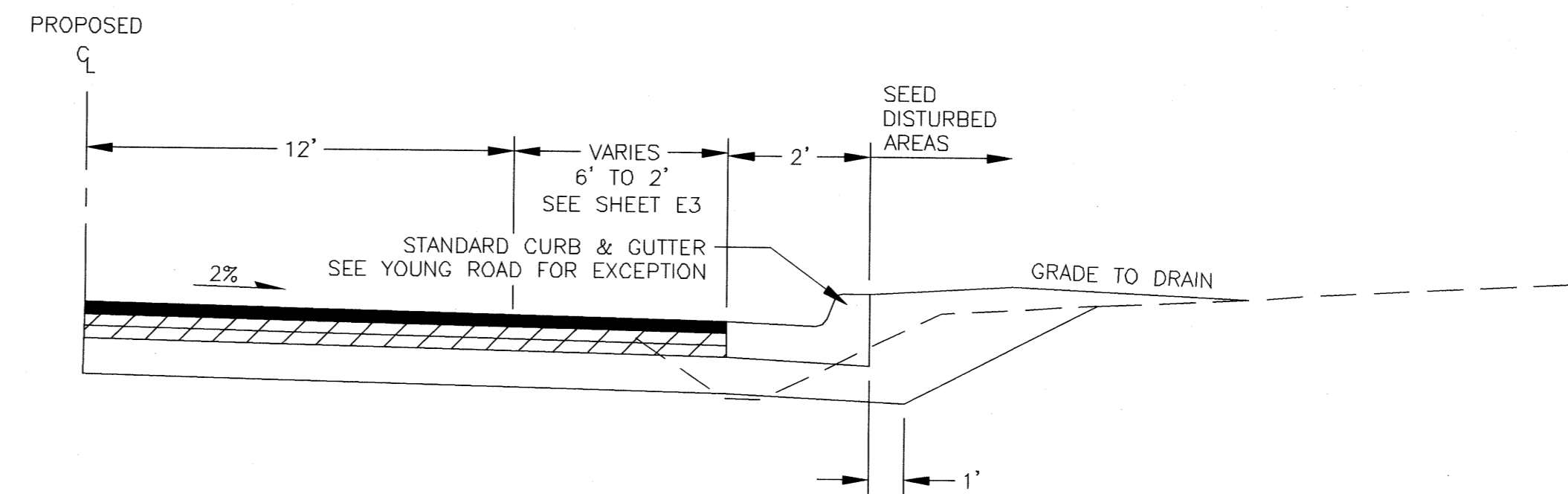
SLOPE EXCEPTIONS:

- * 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.

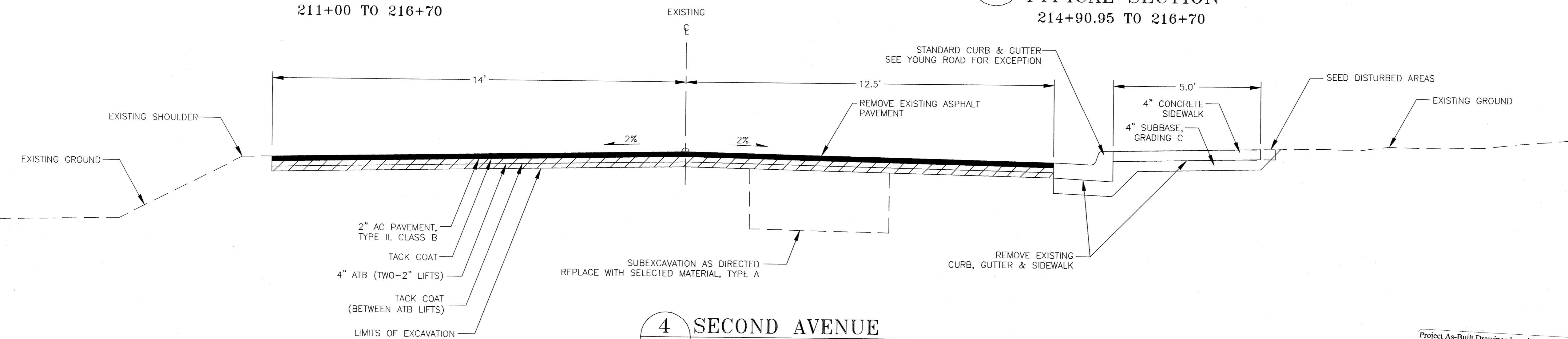
1 LUTAK ROAD B1 TYPICAL SECTION 195+00 TO 216+70



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

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 7-11-12

SHEET NUMBER	TOTAL SHEETS
B2	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Dwg\C\Sheets\B02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

Sheet B-2 dated June 2009
 Replaced by Sheet B-2 dated
 MARCH 2010 - C.O. No. 1

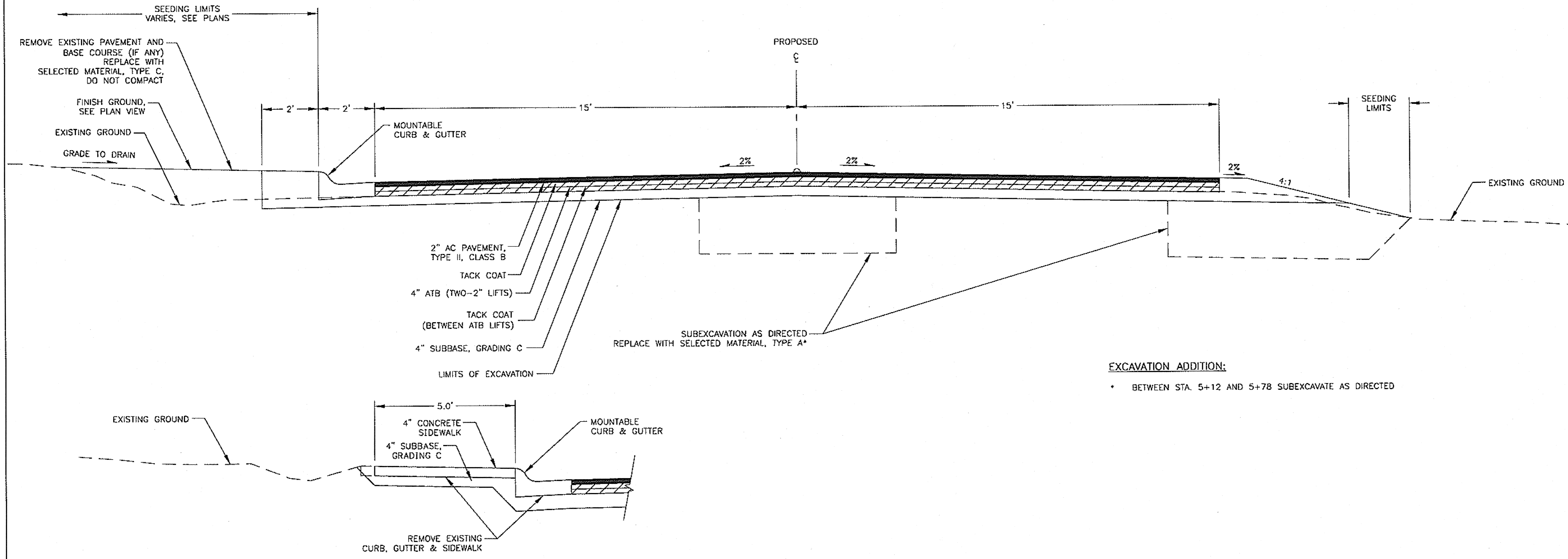
PREPARED BY: USKH INC.

TYPICAL SECTION
2



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

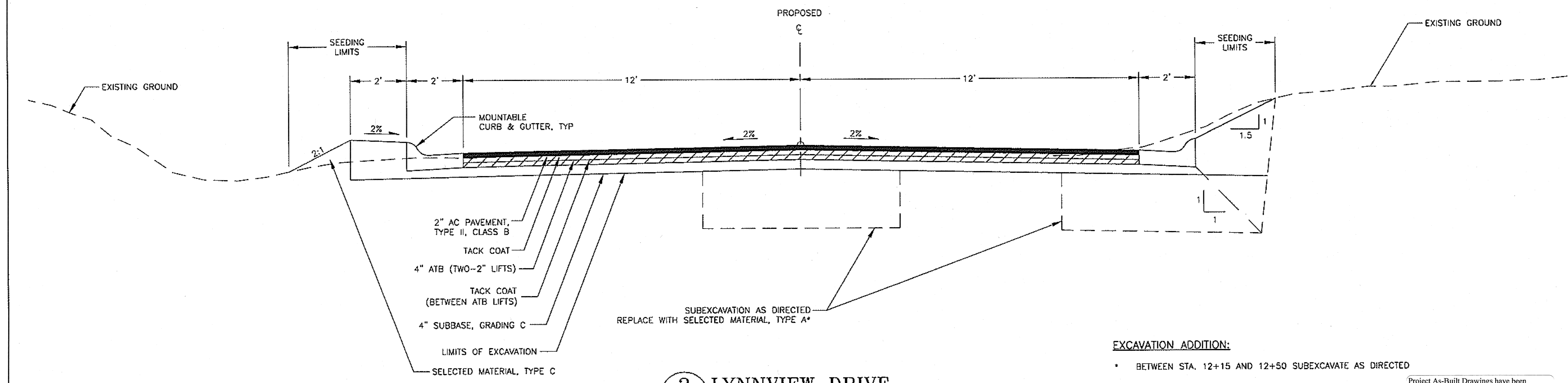
HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



YOUNG ROAD SIDEWALK TYPICAL SECTION
 LYNNVIEW DRIVE STA: 12+44 RT TO YOUNG ROAD 7+00 LT

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

EXCAVATION ADDITION:
 * BETWEEN STA. 5+12 AND 5+78 SUBEXCAVATE AS DIRECTED



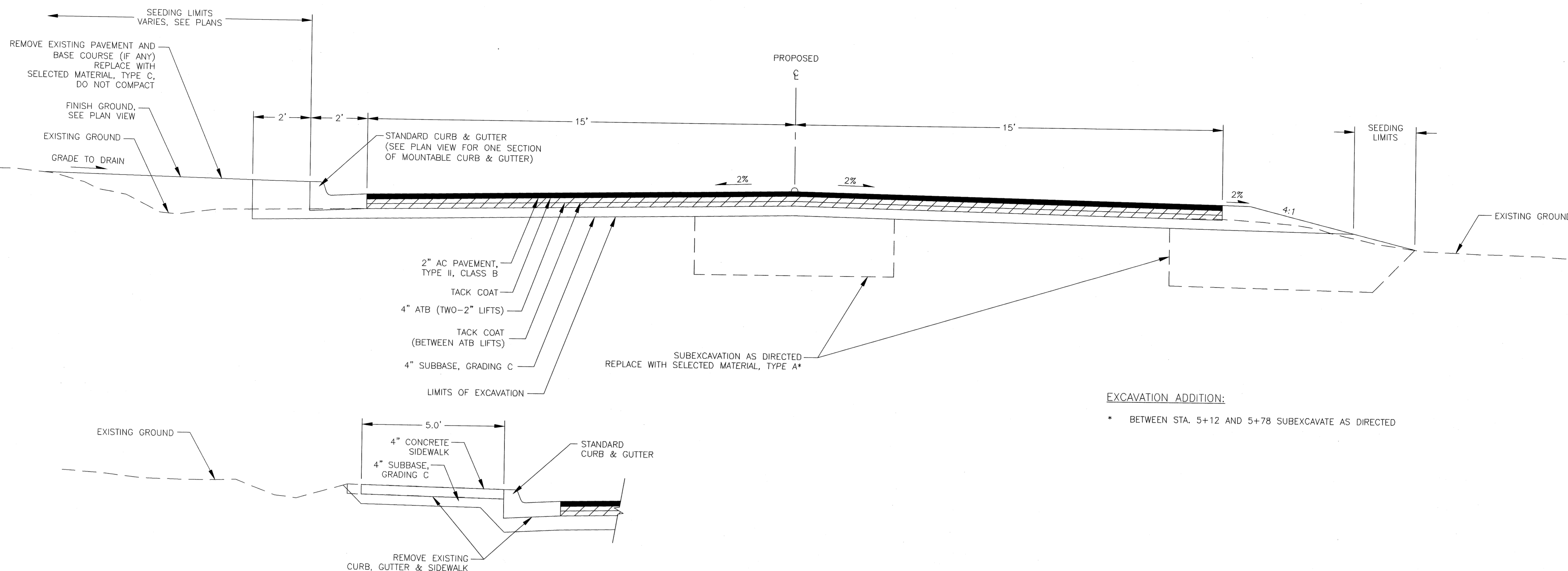
2 LYNNVIEW DRIVE
 B2 TYPICAL SECTION
 12+00 TO 14+40

EXCAVATION ADDITION:
 * BETWEEN STA. 12+15 AND 12+50 SUBEXCAVATE AS DIRECTED

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. *Alfred* Date 7-11-12

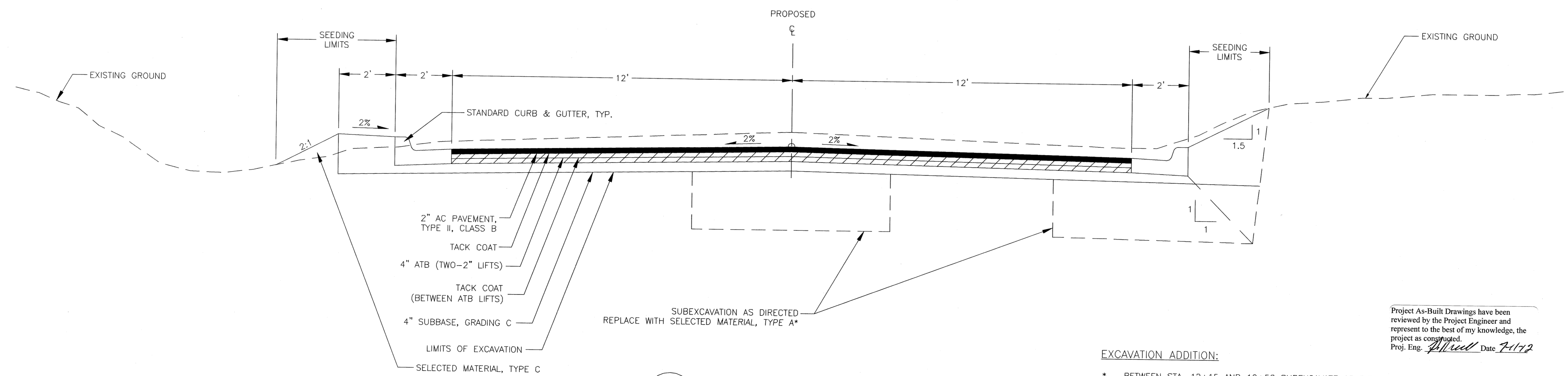
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

Tue, 16/Jun/09 09:27AM



YOUNG ROAD SIDEWALK TYPICAL SECTION
LYNNVIEW DRIVE STA: 12+44 RT TO YOUNG ROAD 8+07 LT

1 YOUNG ROAD
B2 TYPICAL SECTION
5+00 TO 8+07



2 LYNNVIEW DRIVE
B2 TYPICAL SECTION
12+00 TO 14+40

EXCAVATION ADDITION:
* BETWEEN STA. 5+12 AND 5+78 SUBEXCAVATE AS DIRECTED

EXCAVATION ADDITION:
* BETWEEN STA. 12+15 AND 12+50 SUBEXCAVATE AS DIRECTED

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. *Alfred* Date 7-1-12

SHEET NUMBER	TOTAL SHEETS	
B2	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
I:\562206\Draws\C\Sheets\B02.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	c.o. #1
PREPARED BY: USKH INC.		

TYPICAL SECTION
2



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

SHEET NUMBER TOTAL SHEETS

B3 28

STATE YEAR

ALASKA 2009

PROJECT DESIGNATION NUMBERS

ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

NCL KEB NCL

ELECTRONIC PATHWAY:

I:\562205\Drawg\C\Sheets\B03.dwg

EDTIME

JUNE, 2009

STANDARDS:

REHABILITATION 3R

SPECIFICATIONS:

SSHC 2004

Sheet B3 dated June 2009
Replaced by Sheet B3 dated
March 2010 - C.O. No.1

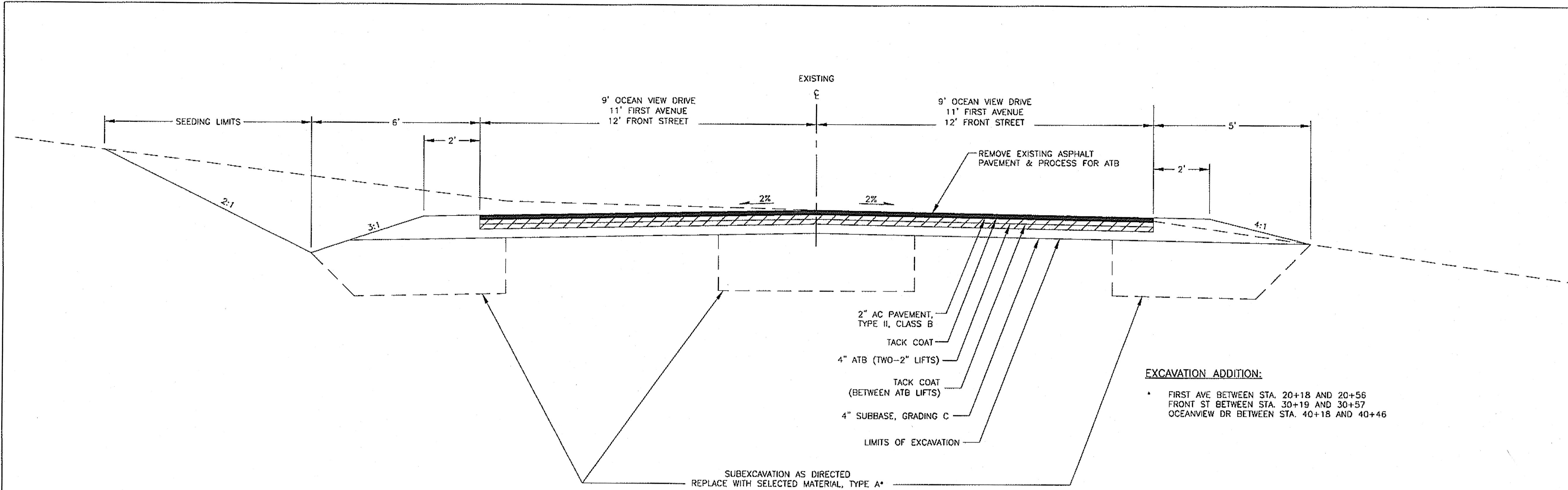
PREPARED BY: USKH INC.

TYPICAL SECTION 3

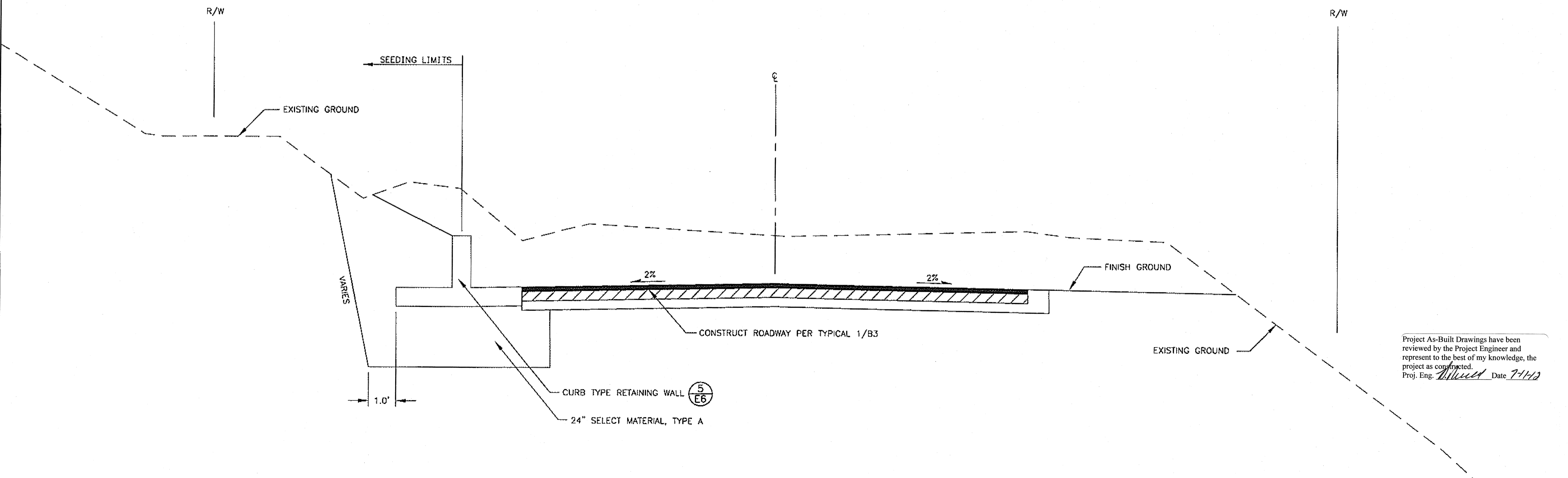


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)



1 TYPICAL SECTION
B3 FIRST AVENUE: 20+18 TO 21+84
FRONT STREET: 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

Tue, 16/Jun/09 09:27AM

SHEET NUMBER TOTAL SHEETS

B3 28

STATE YEAR
ALASKA 2010

PROJECT DESIGNATION NUMBERS
ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

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

ELECTRONIC PATHWAY:
F:\562206\Dwgs\C\Sheets\B03.dwg

EDTIME
MARCH, 2010

STANDARDS:
REHABILITATION 3R

SPECIFICATIONS:
SSHC 2004

RECORD OF REVISIONS:
NO. DATE DESCRIPTION
△ 3-15-10 c.o. #1

PREPARED BY: USKH INC.

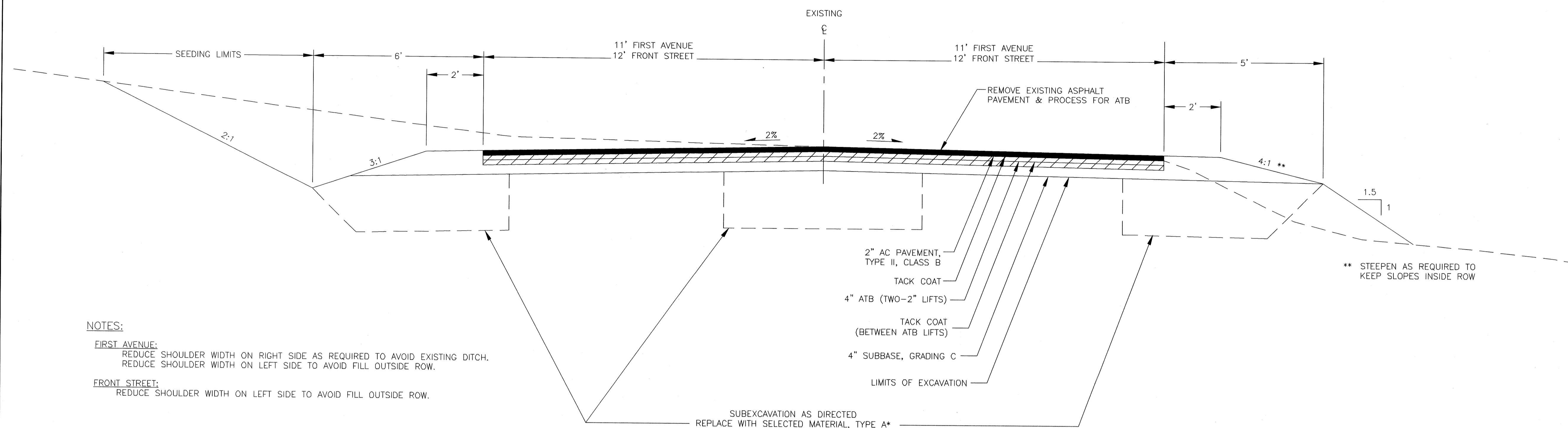
TYPICAL SECTION 3

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. *M. M. M. M.* Date 7-1-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

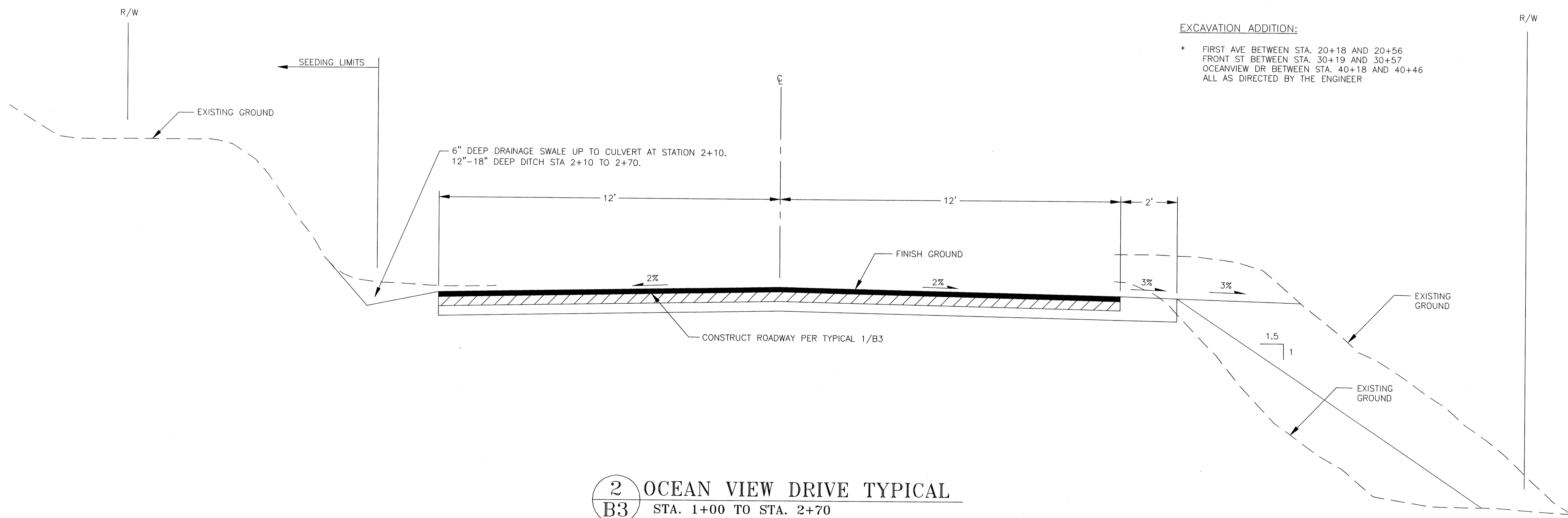


NOTES:

FIRST AVENUE:
REDUCE SHOULDER WIDTH ON RIGHT SIDE AS REQUIRED TO AVOID EXISTING DITCH.
REDUCE SHOULDER WIDTH ON LEFT SIDE TO AVOID FILL OUTSIDE ROW.

FRONT STREET:
REDUCE SHOULDER WIDTH ON LEFT SIDE TO AVOID FILL OUTSIDE ROW.

1 TYPICAL SECTION
B3 FIRST AVENUE: 20+18 TO 21+95
FRONT STREET: 30+18 TO 33+25

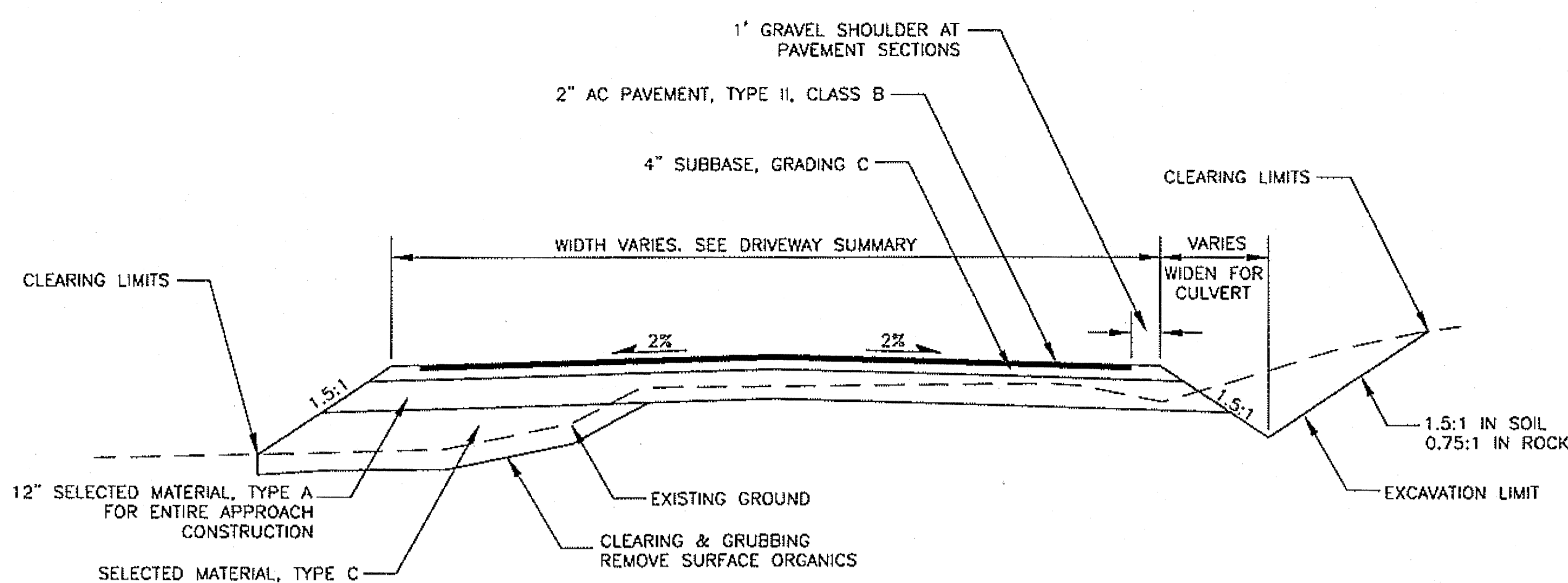


EXCAVATION ADDITION:

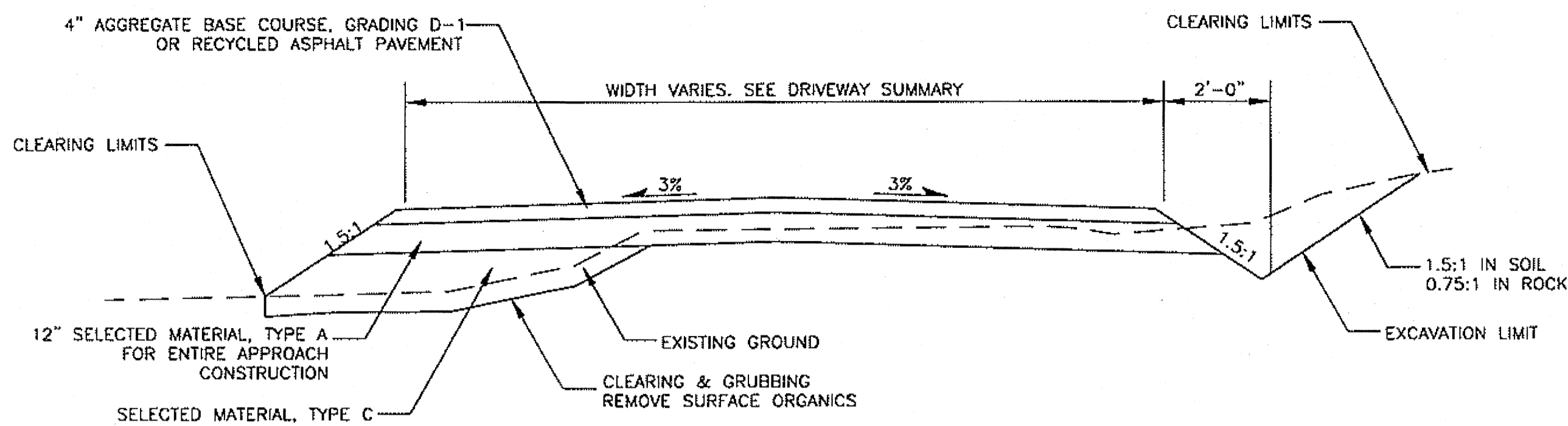
- * FIRST AVE BETWEEN STA. 20+18 AND 20+56
- FRONT ST BETWEEN STA. 30+19 AND 30+57
- OCEANVIEW DR BETWEEN STA. 40+18 AND 40+46
- ALL AS DIRECTED BY THE ENGINEER

2 OCEAN VIEW DRIVE TYPICAL
B3 STA. 1+00 TO STA. 2+70

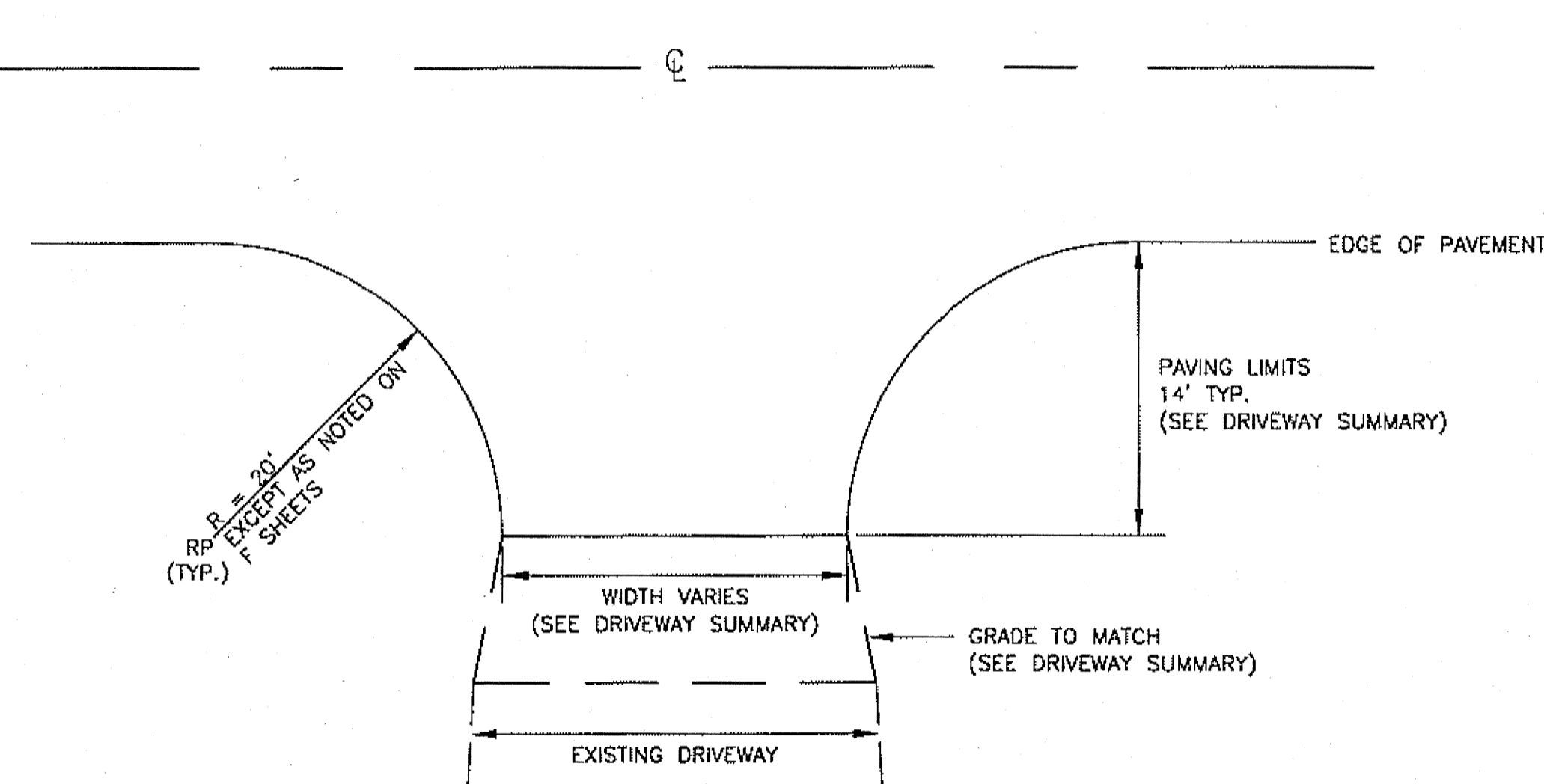
SHEET NUMBER	TOTAL SHEETS
B4	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY:	DRAWN BY:
NCL	KEB
CHECKED BY:	NCL
ELECTRONIC PATHWAY:	
I:\562205\Drawings\C\Sheets\B04.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSH 2004	
Sheet B 4 dated June 2009 Replaced by Sheet B 4 dated 2010 - C.D. No. 1	
6/18/10	
PREPARED BY: USKH INC.	
TYPICAL SECTION 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. Eng. <i>M. Wells</i> Date 7-1-12	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	
HAINES HIGHWAY FRONT STREET TO UNION STREET REHABILITATION - 3R FEDERAL NO. ARRA-0956(032)	



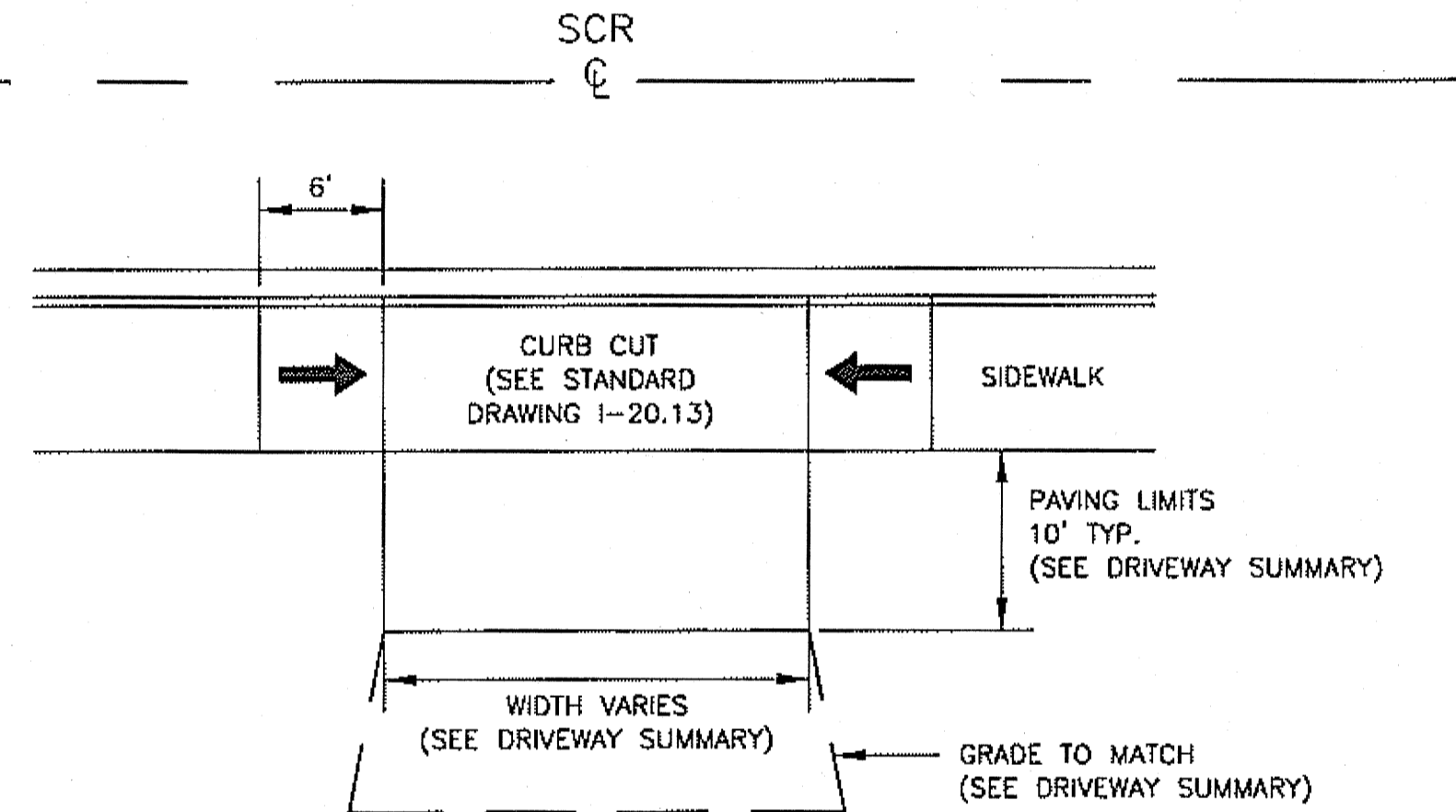
1 TYPICAL DRIVEWAY SECTION (PAVED)
B4 NTS
NOTE: TYPICAL APPLIES TO RESIDENTIAL DRIVEWAYS.



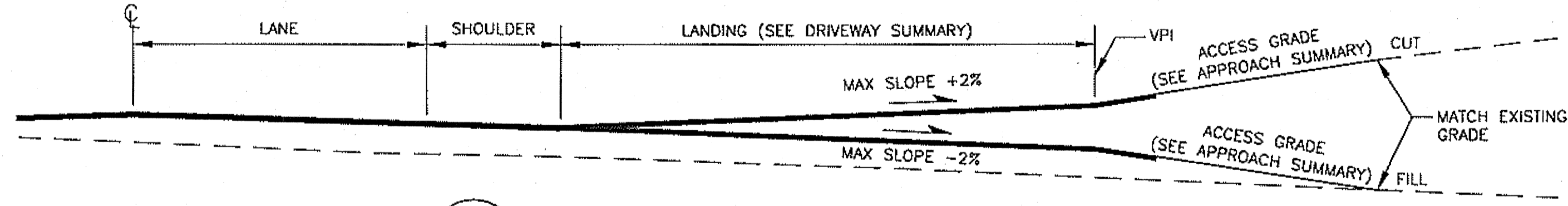
2 TYPICAL DRIVEWAY SECTION (UNPAVED)
B4 NTS
NOTE: TYPICAL APPLIES TO DRIVEWAYS REQUIRING RECONSTRUCTION & GRADING BEYOND PAVING LIMITS SHOWN ON DETAIL **3** B4



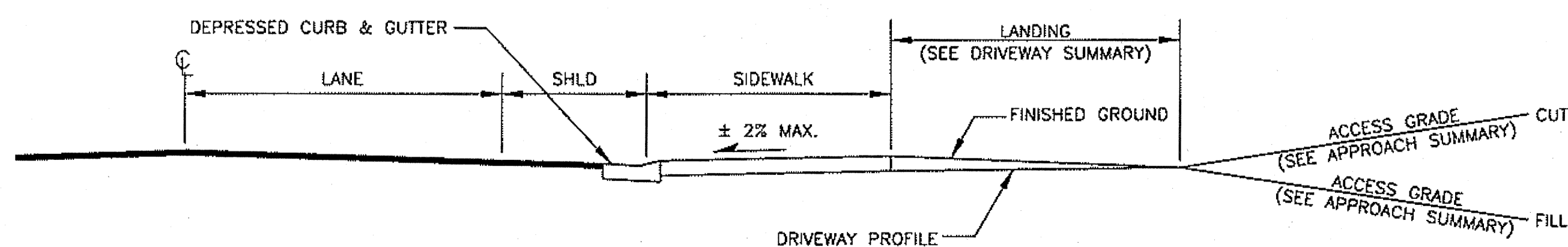
3 TYPICAL RADIUS DRIVEWAY PLAN
B4 NTS



4 TYPICAL CURB CUT DRIVEWAY PLAN
B4 NTS



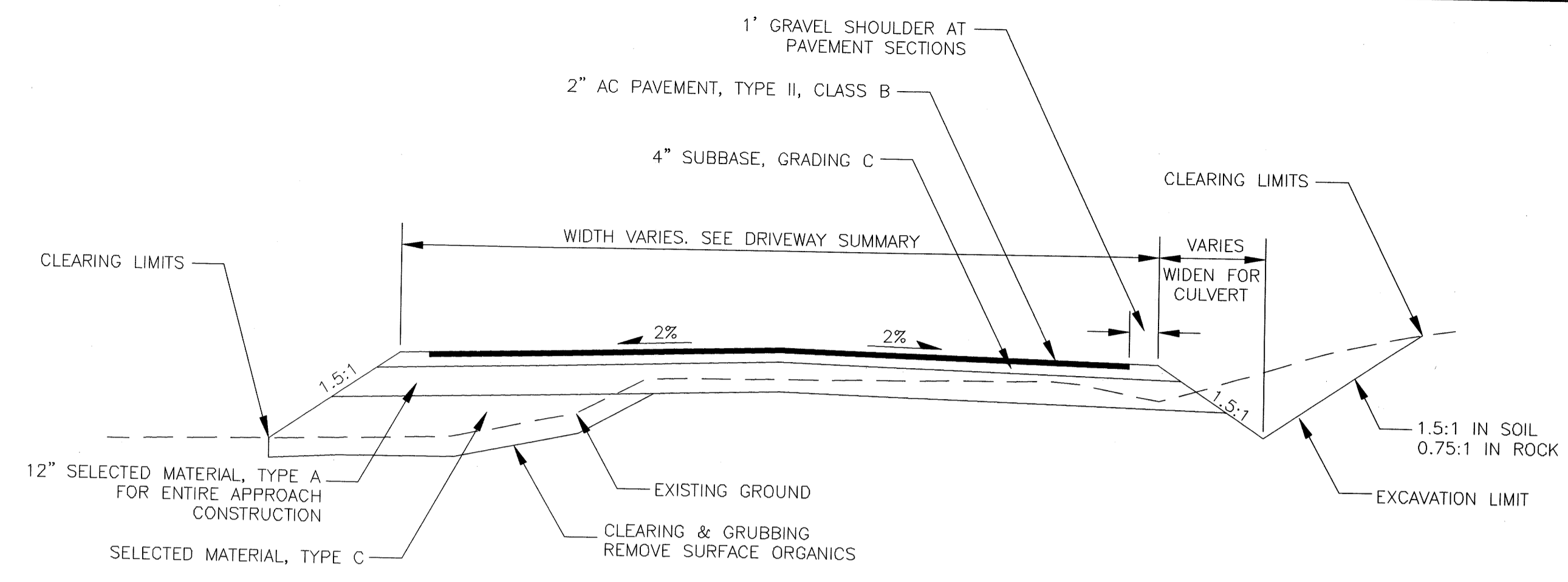
5 TYPICAL DRIVEWAY PROFILE
B4 NTS



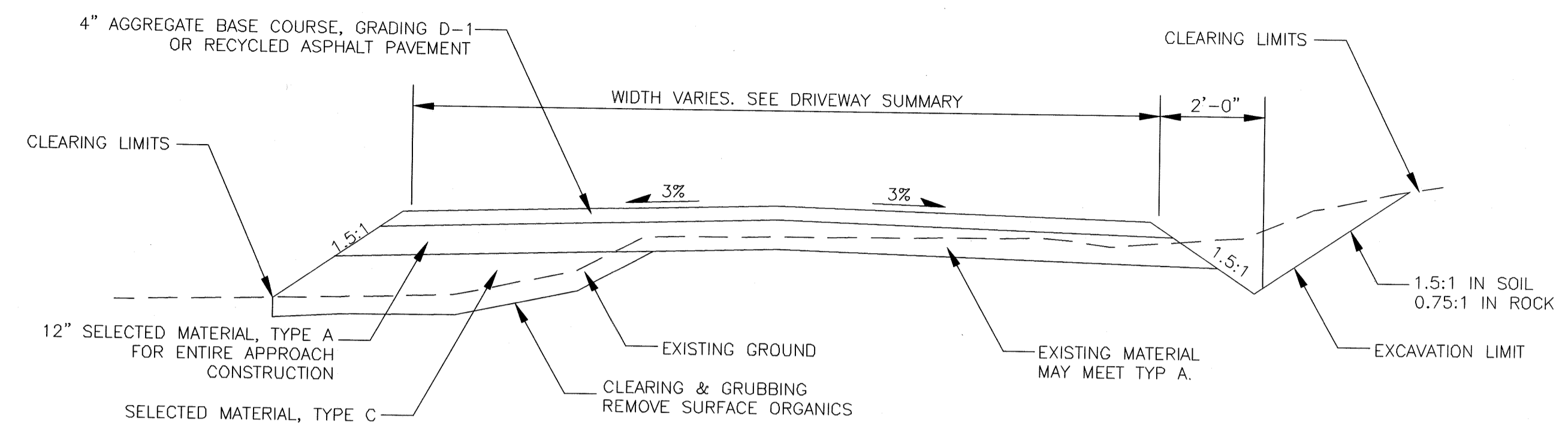
6 TYPICAL DRIVEWAY PROFILE WITH CURB RETURN
B4 NTS

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

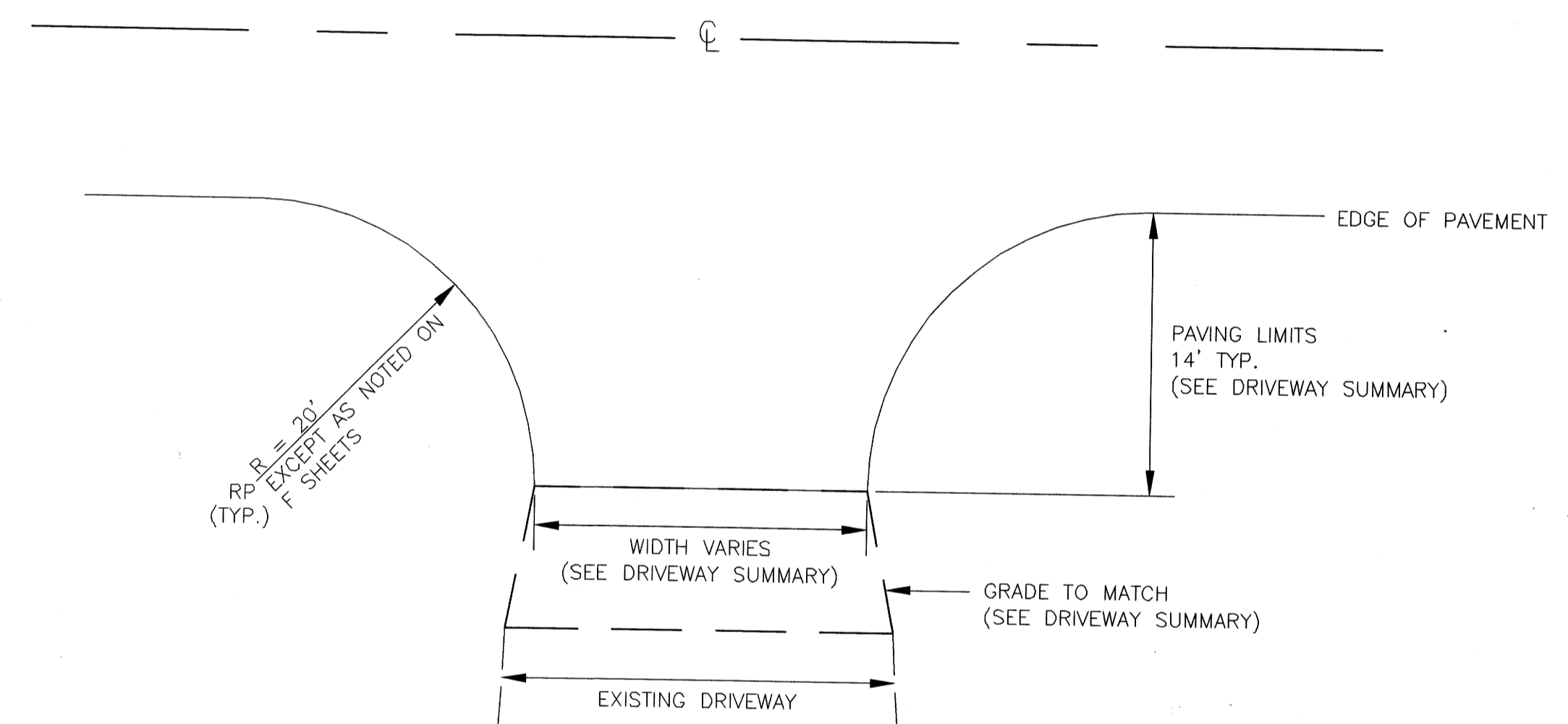
Tue, 15 Jun 09 09:27AM



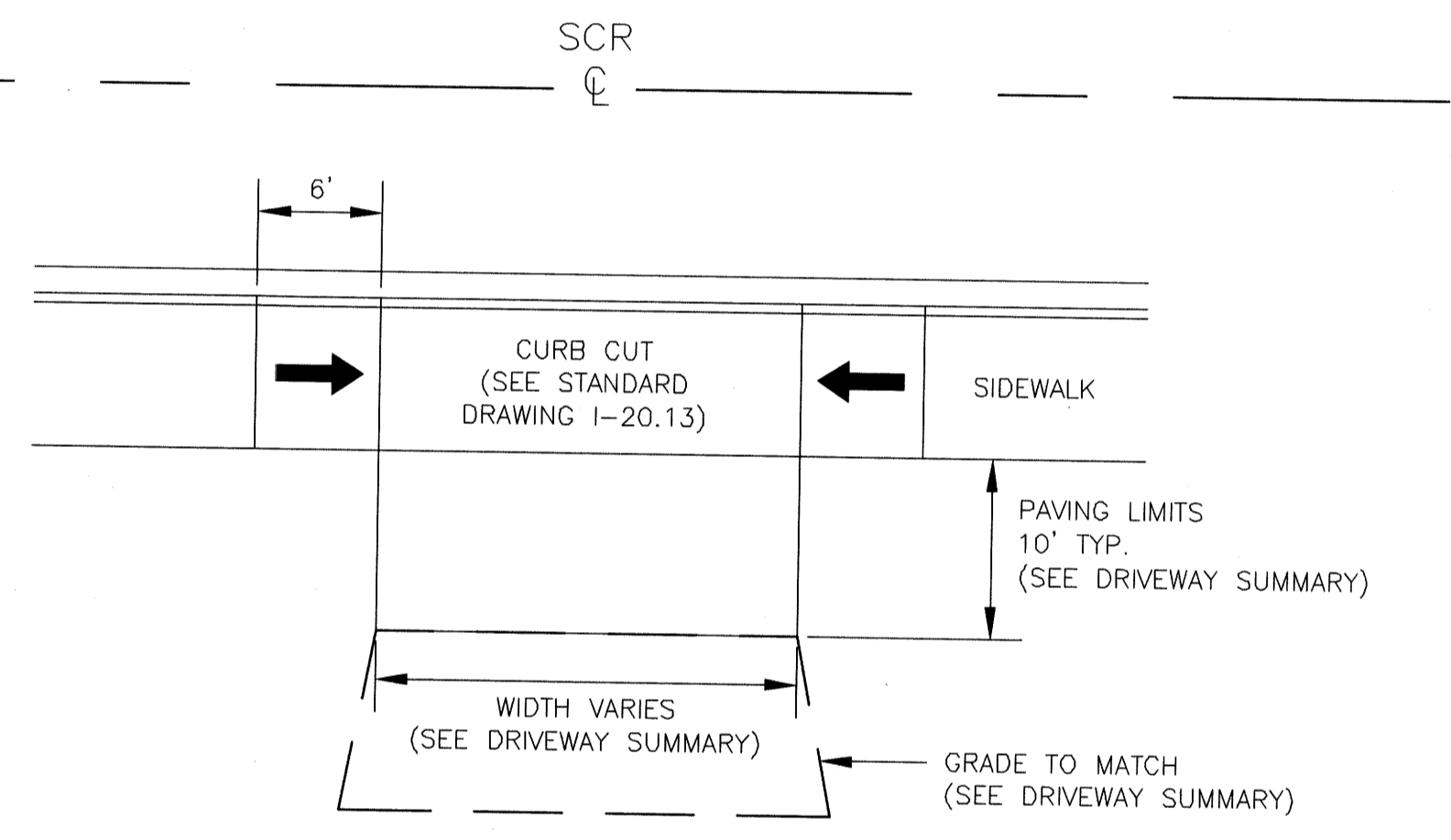
1 TYPICAL DRIVEWAY SECTION (PAVED)
 B4 NTS NOTE: TYPICAL APPLIES TO RESIDENTIAL DRIVEWAYS.



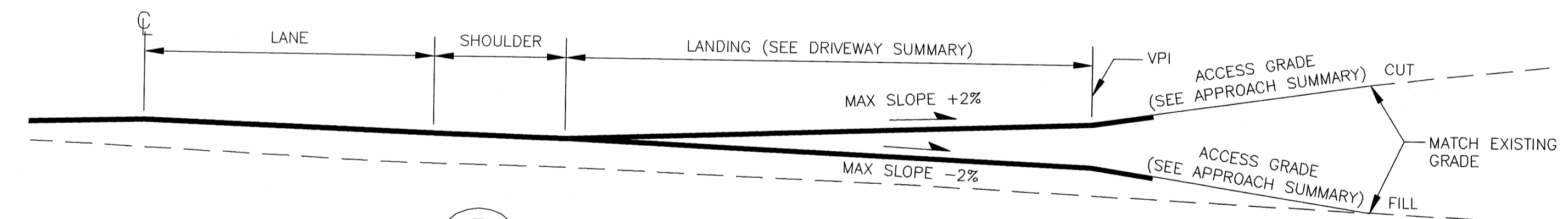
2 TYPICAL DRIVEWAY SECTION (UNPAVED)
 B4 NTS NOTE: TYPICAL APPLIES TO DRIVEWAYS REQUIRING RECONSTRUCTION & GRADING BEYOND PAVING LIMITS SHOWN ON DETAIL.



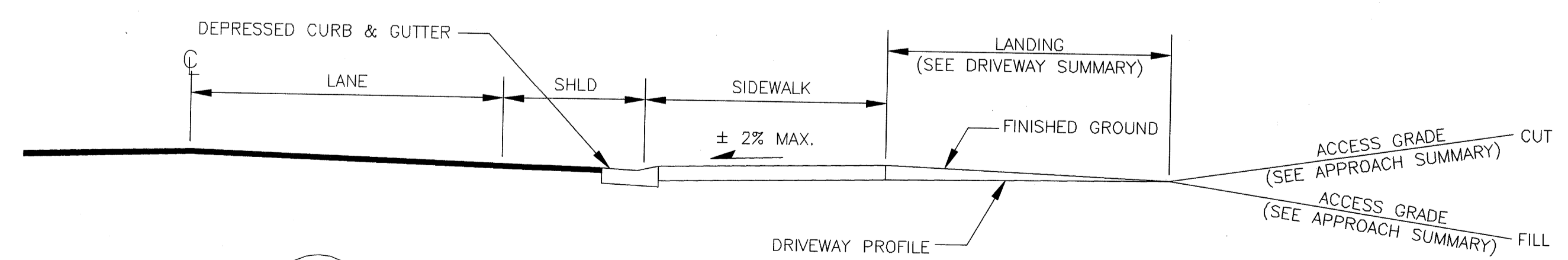
3 TYPICAL RADIUS DRIVEWAY PLAN
 B4 NTS



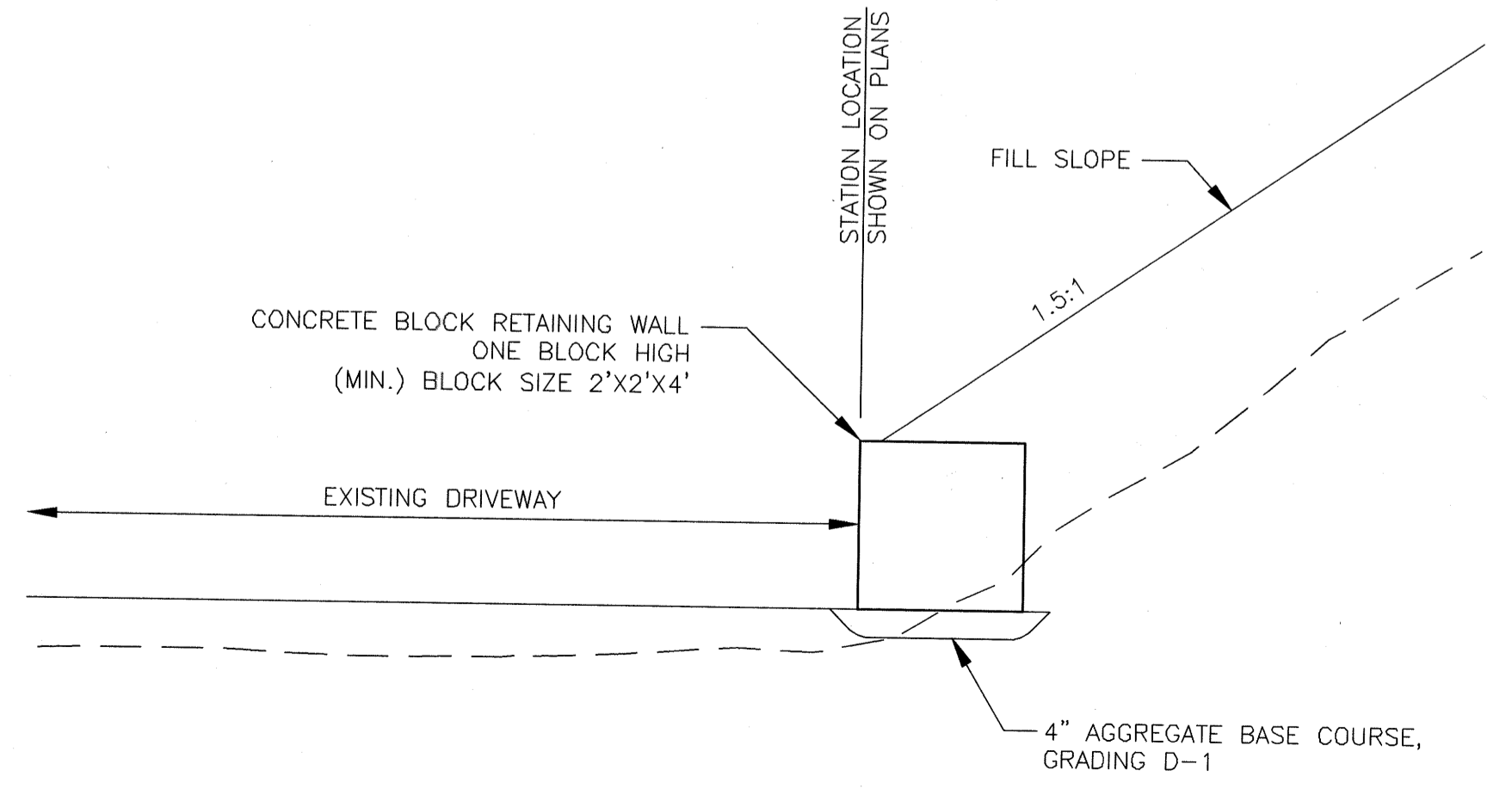
4 TYPICAL CURB CUT DRIVEWAY PLAN
 B4 NTS



5 TYPICAL DRIVEWAY PROFILE
 B4 NTS



6 TYPICAL DRIVEWAY PROFILE WITH CURB RETURN
 B4 NTS



7 LUTAK ROAD - MODIFIED TOE
 B4 NTS

SHEET NUMBER	TOTAL SHEETS	
B4	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
I:\562206\Drawgs\C\Sheets\B04.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	c.o. #1
PREPARED BY: USKH INC.		

TYPICAL SECTION
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. Eng. *Mered* Date 7-11-12



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION
 HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

Mon, 15/Mar/10 04:44PM

ESTIMATE OF QUANTITIES

BASE BID

ITEM NO.	ITEM	UNIT	TOTAL	
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D	
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	13300	14374
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	465	460
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1583	1234
202(6)	REMOVAL OF MANHOLE	EACH	6	5
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	914	1018
203(3A)	UNCLASSIFIED EXCAVATION	CUBIC YARD	17600	3947
203(6A)	BORROW, TYPE A	TON	14000	5466
203(6C)	BORROW, TYPE C	TON	500	6479
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	150	0
304(X)(1A)	SUBBASE, GRADING C	TON	4700	2889
306(1)	ATB	TON	3200	4156
306(2)	ASPHALT CEMENT, TYPE PG 58-28	TON	128	196.58
401(1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	1900	317.1
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	114	116.4
401(6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D	187
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	5.5	5.96
514(1)	RETAINING WALL	SQUARE FOOT	175	
603(17-18)	18 INCH PIPE	LINEAR FOOT	950	1126
603(17-24)	24 INCH PIPE	LINEAR FOOT	416	233.2
603(22)	STORM DRAIN SERVICE	EACH	1	1
604(1A)	STORM SEWER MANHOLE - TYPE 1	EACH	7	7
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	3	3
604(4)	ADJUST EXISTING MANHOLE	EACH	3	3
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	532	582.4
608(6)	CURB RAMP	EACH	4	4
609(2)	CURB AND GUTTER	LINEAR FOOT	1420	1372
615(1)	STANDARD SIGN	SQUARE FOOT	227	174.6
618(1)	SEEDING	ACRE	2	115
627(5)	FIRE HYDRANT INSTALLATION	EACH	1	
108(13)	Delay Costs	L.S.	1	
514(1A)	Torsion Barrier Retaining wall	L.F.	276	
609(5)	Inlet Type A	E.A.	2	
108(3A)	Delay Costs	L.S.	1	
605(22)	Under Drains	L.S.	1	
611(5)	Outlet Protection	E.A.	9	
609(7)	Torsion curb	L.S.	1	
615(1)	Front street signs	L.S.	1	
642(13)	Pre construction survey	L.S.	1	
643(14)	Pre construction utility survey	L.S.	1	
643(16)	Adjust curve 31	L.S.	1	

BASE BID

ITEM NO.	ITEM	UNIT	TOTAL	
627(6)	FIRE HYDRANT RELOCATION	EACH	1	
627(7)	FIRE HYDRANT REMOVAL	EACH	1	1
627(10)	ADJUSTMENT OF VALVE BOX	EACH	17	16
633(1)	SILT FENCE	LINEAR FOOT	3000	2814
635(1)	INSULATION BOARD	MBM	1.9	5.2
639(3)	APPROACH	EACH	17	18
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D	1
640(4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D	1
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D	1
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D	170
641(5)	CATCH BASIN SEDIMENT BAG	EACH	11	9
641(6)	SETTLING POOL	EACH	1	0
641(7)	PRELIMINARY SEEDING	ACRE	0.5	46
641(8)	TEMPORARY CHECK DAM	EACH	15	13
641(9)	EROSION AND POLLUTION CONTROL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D	0
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D	1
642(3)	THREE PERSON SURVEY PARTY	HOUR	50	18.25
642(4)	SET PRIMARY MONUMENT	EACH	5	5
642(8)	ADJUST EXISTING MONUMENT	EACH	1	0
642(10)	MONUMENT CASE	EACH	5	5
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D	1
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D	1
643(15)	FLAGGING	CONTINGENT SUM	ALL REQ'D	11
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D	14
643(29)	WORK ZONE ILLUMINATION	LUMP SUM	ALL REQ'D	0
644(6)	VEHICLES	LUMP SUM	ALL REQ'D	1
645(1)	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES	LABOR HOUR	200	
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D	1
670(8)	RECESSED PAVEMENT MARKER	EACH	39	50
303(3)	Recondition Occurrence Patch	L.S.	1	

ADDITIVE ALTERNATE 1

ITEM NO.	ITEM	UNIT	TOTAL	
627(1A)	WATER CONDUIT, 8-INCH PVC	LINEAR FOOT	440	415.5
627(3)	INSTALL VALVE BOX	EACH	2	3
627(8)	WATER SERVICE CONNECTION	EACH	3	3
627(9)	INSTALL 8-INCH GATE VALVE	EACH	3	3

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR	REMARKS
203(3)	UNCLASSIFIED EXCAVATION	COMMON EXCAVATION	17,600 CY
		ROCK EXCAVATION	0 CY
203(6A)	BORROW, TYPE A	1.85 TONS / CY	25% USED AS EMBANKMENT
203(6C)	BORROW, TYPE C	1.85 TONS / CY	75% EXCESS MATERIAL TO BE DISPOSED OF AT CONTRACTOR PROVIDED SITE
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	

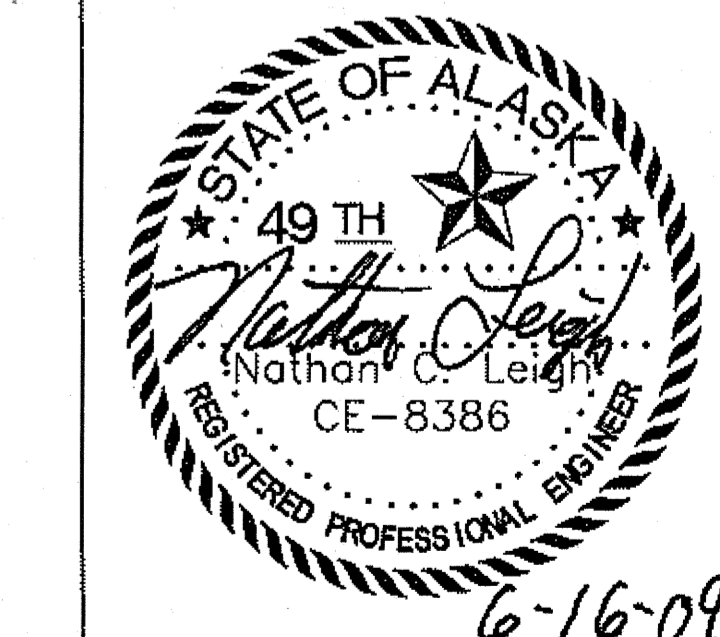
SHEET NUMBER	TOTAL SHEETS
C1	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	

DESIGNED BY: DRAWN BY: CHECKED BY:
 NCL KEB NCL
 ELECTRONIC PATHWAY:
 F:\562205\Dwg\C\Sheets\C01.dwg
 EDTIME
 JUNE, 2009
 STANDARDS:
 REHABILITATION 3R
 SPECIFICATIONS:
 SSHC 2004
 Sheet C1 dated June 2009
 Replaced by Sheet C1 dated
 - C.D. No.1

PREPARED BY: USKH INC.

ESTIMATE OF QUANTITIES

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. *Nathan C. Leigh* Date 7-1-12



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION
 HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

ESTIMATE OF QUANTITIES

BASE BID

ITEM NO.	ITEM	UNIT	TOTAL
201(3B)	CLEARING AND GRUBBING	LUMP SUM	100% ALL REQ'D
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	1,4373.66 15,200
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	449.53 525
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1,234.3 1583
202(6)	REMOVAL OF MANHOLE	EACH	6
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	1,018.3 1,028
203(3)	UNCLASSIFIED EXCAVATION - DELETED BY C.O.No.1	CUBIC YARD	8,000
203(6A)	BORROW, TYPE A	TON	14,000
203(6C)	BORROW, TYPE C	TON	3,000
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	300
304(1)	SUBBASE, GRADING C	TON	7,000
306(1)	ATB	TON	3,630
306(2)	ASPHALT CEMENT, TYPE PG 58-28	TON	145
401(1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	1,887
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	113
401(6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	11.6
514(1)	RETAINING WALL - DELETED BY C.O.No.1	SQUARE FOOT	0-0
514(1A)	CONCRETE BLOCK RETAINING WALL	EACH	53
603(17-18)	18 INCH PIPE	LINEAR FOOT	1,126.7 1,182
603(17-24)	24 INCH PIPE	LINEAR FOOT	289.2 280
603(22)	STORM DRAIN SERVICE	EACH	2
604(1A)	STORM SEWER MANHOLE - TYPE 1	EACH	7
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	3
604(4)	ADJUST EXISTING MANHOLE	EACH	3
604(5)	INLET TYPE A	EACH	2
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	582.45 597
608(6)	CURB RAMP	EACH	4
609(2)	CURB AND GUTTER	LINEAR FOOT	1,494
615(1)	STANDARD SIGN	SQUARE FOOT	227
618(1)	SEEDING	ACRE	2
108(3)	DELAY COSTS - NEW ITEM BY C.O.No.1	LUMP SUM	100%
203(3A)	UNCLASSIFIED EXCAVATION - NEW ITEM BY C.O.No.1	CUBIC YARD	
304(1A)	SUBBASE GRADING C - NEW ITEM BY C.O.No.1	TON	
514(1A)	JERSEY BARRIER - NEW ITEM BY C.O.No.1	LINEAR FOOT	276.6
605(22)	UNDER DRAIN - NEW ITEM BY C.O.No.5	LUMP SUM	
641()	OUTLET PROTECTION - NEW ITEM BY C.O.No.6		

641(5) in CO 6
already using Item No.
referred to elsewhere
as 641(10)

BASE BID

ITEM NO.	ITEM	UNIT	TOTAL
627(5)	FIRE HYDRANT INSTALLATION	EACH	0-4
627(6)	FIRE HYDRANT RELOCATION - DELETED BY C.O.No.1	EACH	0
627(7)	FIRE HYDRANT REMOVAL	EACH	1
627(10)	ADJUSTMENT OF VALVE BOX	EACH	17
633(1)	SILT FENCE	LINEAR FOOT	3,000
635(1)	INSULATION BOARD	MBM	2-0
639(3)	APPROACH	EACH	18
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	9 13
641(6)	SETTLING POOL	EACH	0 4
641(7)	PRELIMINARY SEEDING	ACRE	0.5
641(8)	TEMPORARY CHECK DAM	EACH	15
641(9)	EROSION AND POLLUTION CONTROL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	100% ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOURLY	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	100% ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	100% 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	100% ALL REQ'D
645(4)	TRAINING PROGRAM, 2 TRAINEES/APPRENTICES - deleted by C.O.4	LABOR HOUR	-200-
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	100% ALL REQ'D
670(8)	RECESSED PAVEMENT MARKER	EACH	50 39

ADDITIVE ALTERNATE 1

ITEM NO.	ITEM	UNIT	TOTAL
627(1A)	WATER CONDUIT, 8-INCH PVC	LINEAR FOOT	415.5 650
627(3)	INSTALL VALVE BOX	EACH	3
627(8)	WATER SERVICE CONNECTION	EACH	3
627(9)	INSTALL 8-INCH GATE VALVE	EACH	3 4

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR		REMARKS
		COMMON EXCAVATION	ROCK EXCAVATION	
03(3)	UNCLASSIFIED EXCAVATION	17,600 CY	0 CY	25% USED AS EMBANKMENT 75% EXCESS MATERIAL TO BE DISPOSED OF AT CONTRACTOR PROVIDED SITE
203(6A)	BORROW, TYPE A	1.85 TONS / CY		
203(6C)	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

C1 28

STATE YEAR
ALASKA 2010

PROJECT DESIGNATION NUMBERS

ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

NCL KEB NCL

ELECTRONIC PATHWAY:

F:\562206\Dwgs\C\Sheets\C01.dwg

EDTIME

MARCH, 2010

STANDARDS:

REHABILITATION 3R

SPECIFICATIONS:

SSHHC 2004

RECORD OF REVISIONS:

NO. DATE DESCRIPTION

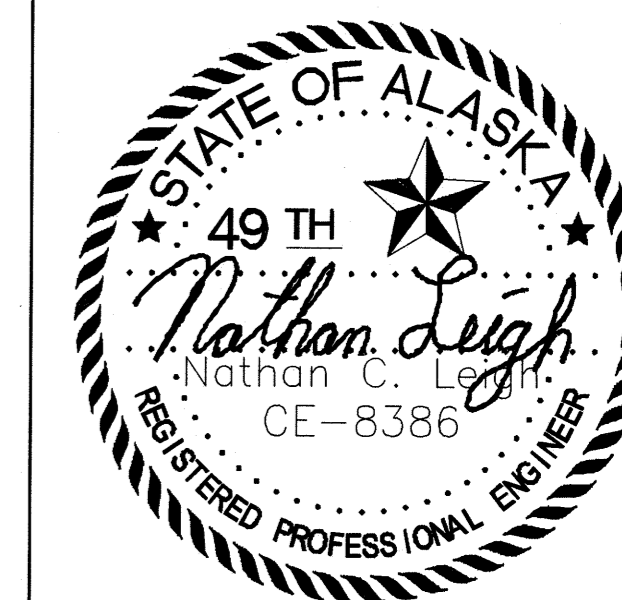
△ 3-15-10 C.O. #1

△ 6-18-10

PREPARED BY: USKH INC.

ESTIMATE OF QUANTITIES

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. *Nathan Leigh* Date 7-1-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

SUMMARY SHEETS

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. *M. West* Date 7-1-10



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

603(17-18) 18 INCH PIPE -- LINEAR FOOT

PIPE	INLET			OUTLET			QUANTITY	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
SD-1	S1	-	131.10	214+02.49	38.11 RT	130.30	70	OUTFALL TO DITCH
SD-2	S2	-	-	S3	-	-	83	SECOND AVE
SD-3	S3	-	-	S4	-	-	46	SECOND AVE
SD-4	S4	-	-	S5	-	-	206	SECOND AVE
SD-5	S5	-	-	S6	-	MTE	242	SECOND AVE
SD-6	S6	-	MTE	218+81±	33± LT	MTE	48	OUTFALL TO DITCH, SEE NOTE
SD-7	S7	-	MTE	221+08±	25± LT	MTE	41	OUTFALL TO DITCH, SEE NOTE
P-6	205+72	32 RT	79.10	206+42	32 RT	83.0	70	
P-8	208+15	32 RT	94.3	208+55	32 RT	96.8	40	
P-9	210+84	37 RT	111.3	211+15	36 RT	113.4	32	
P-10	213+05	35 RT	125.00	212+64	35 RT	121.92	41	
P-11	6+10	22 RT	135.50	5+62	35 RT	132.50	31	YOUNG ROAD
						TOTAL	950	

NOTE:
INVERT ELEVATIONS IN STORM DRAIN STRUCTURES NOT KNOWN AT TIME OF DESIGN.
CONTRACTOR SHALL SURVEY THE EXISTING INVERT ELEVATIONS AND PREPARE A SHOP DRAWING SHOWING PROPOSED INVERT ELEVATIONS OF PIPES AND CATCH BASINS.
THIS SHOP DRAWING SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BEFORE ORDERING STORM DRAIN STRUCTURES.

603(17-24) 24 INCH PIPE -- LINEAR FOOT

PIPE	INLET			OUTLET			QUANTITY	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
P-1	195+98	29 RT	29.68	195+92	51 LT	28.68	80	
P-2	197+78	35 RT	33.82	197+67	45 LT	29.89	80	
P-3	32+00	30 RT	32.41	32+00	20 LT	31.26	50	FRONT STREET
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	FIELD FIT INLET PER ENGINEER
P-7	208+34	38 LT	91.44	207+59	37 LT	88.45	75	
						TOTAL	416	

603(22) STORM DRAIN SERVICE

STATION	OFFSET	QUANTITY	REMARKS
216+00	40 RT	1	CONNECT TO EXISTING

604(1A) STORM SEWER MANHOLE, TYPE I -- EACH

STRUCTURE NUMBER	STATION	OFFSET	TYPE OF CASTING	TOP OF CASTING	QUANTITY	REMARKS
S-1	214+65.41	28.87' RT	CIFG	134.29	1	SECOND AVE
S-2	6+95	14.28' LT	CIFG	144.67	1	YOUNG ROAD, RECONNECT EXISTING ON NORTH SIDE
S-3	6+14	16.00' LT	CIFG	138.85	1	YOUNG ROAD
S-4	12+37	14.26' LT	CIFG	139.00	1	LYNNVIEW DRIVE
S-5	216+32	12.86' RT	CIFG	133.93	1	SECOND AVE
S-6	218+68.39	12.50' RT	CIFG	126.88	1	SECOND AVE
S-7	220+93	12.50' RT	GIFG	121.83	1	SECOND AVE, RECONNECT EXISTING ON WEST SIDE
					TOTAL: 7	

NOTES:
• TOP OF CASTING ELEVATIONS INCLUDE LOCAL DEPRESSION PER DOT STANDARD DRAWING D-23.01.
• LOCATIONS ARE TO LIP OF GUTTER.

604(3) RECONSTRUCT EXISTING MANHOLE -- EACH

STATION	OFFSET	QUANTITY	TYPE	REMARKS
21+02	8 RT	1	SANITARY	FIRST AVENUE
13+71	1 LT	1	SANITARY	LYNNVIEW DRIVE
5+93	19 LT	1	SANITARY	YOUNG ROAD
		TOTAL	3	

604(4) ADJUST EXISTING MANHOLE -- EACH

STATION	OFFSET	QUANTITY	REMARKS
216+64	7 RT	1	SANITARY
219+34	6 RT	1	SANITARY
221+08	12 RT	1	SANITARY
		TOTAL	3

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK -- SQUARE YARD

BEGIN	END	QUANTITY	REMARKS		
STATION	OFFSET	STATION	OFFSET	QUANTITY	REMARKS
12+44	RT	7+00	LT	66	LYNNVIEW DRIVE / YOUNG ROAD
12+31	LT	218+99	RT	271	LYNNVIEW DRIVE / SECOND AVE
219+26	RT	222+64	RT	195	SECOND AVE
				TOTAL	532

201(3B) CLEARING AND GRUBBING -- LUMP SUM

BEGIN STATION	END STATION	AREA (SF)	REMARKS
195+00	216+80	107,000.00	HAINES HWY CUT/FILL SLOPES

202(3) REMOVAL OF SIDEWALK -- SQUARE YARD

BEGIN	OFFSET	END	OFFSET	QUANTITY	REMARKS
5+96	LT	7+00	LT	43	YOUNG RD
214+76	RT	218+94	RT	243	SECOND AVE
219+36	RT	222+74	RT	179	SECOND AVE
				TOTAL	465

202(4) REMOVAL OF CULVERT PIPE -- LINEAR FOOT

BEGIN	END	QUANTITY	REMARKS		
STATION	OFFSET	STATION	OFFSET	QUANTITY	REMARKS
195+98	29 RT	195+94	13 LT	42	
195+94	16 LT	195+91	57 LT	41	FRONT STREET
197+76	26 RT	197+69	28 LT	54	
197+68	33 LT	197+62	73 LT	40	FRONT STREET
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	YOUNG ROAD, VERIFY CULVERT TO BE REMOVED
SHEET F1		SHEET F2		500	EXISTING UNDERDRAIN, LOCATION AND EXISTANCE IS UNKNOWN, SEE NOTES ON SHEET F1 AND F2, REMOVE ONLY IF DIRECTED BY THE ENGINEER
7+00	16 LT	214+88	78 RT	152	YOUNG ROAD
214+88	78 RT	216+32	17 RT	173	SECOND AVE
216+32	17 RT	218+66	21 RT	237	SECOND AVE
218+66	21 RT	218+72	14 RT	10	SECOND AVE
228+72	21 RT	218+81	32 LT	55	SECOND AVE
220+93	14 RT	221+08	25 LT	41	SECOND AVE
				TOTAL	1583

202(6) REMOVAL OF MANHOLE

STATION	OFFSET	QUANTITY	REMARKS
6+19	16 LT	1	YOUNG ROAD
214+88	78 RT	1	SECOND AVE
216+32	17 RT	1	SECOND AVE
218+66	21 RT	1	SECOND AVE
218+72	14 RT	1	SECOND AVE
220+93	14 RT	1	SECOND AVE
		TOTAL	6

202(9) REMOVAL OF CURB AND GUTTER -- LINEAR FOOT

BEGIN	OFFSET	END	OFFSET	QUANTITY	REMARKS
5+96	LT	7+00	LT	112	YOUNG RD
214+76	RT	218+94	RT	464	SECOND AVE
219+36	RT	222+74	RT	338	SECOND AVE
				TOTAL	914

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

202(3) REMOVAL OF SIDEWALK - SQUARE YARD					
BEGIN	OFFSET	END	OFFSET	QUANTITY	REMARKS
5+96	LT	8+07.19	LT	103.39	YOUNG RD
214+76.55	RT	218+94	RT	243.360	SECOND AVE
219+36	RT	222+74.62	RT	179.360	SECOND AVE
			TOTAL	526.110	

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	FRONT STREET
197+76	26 RT	197+69	28 LT	54	
197+68	33 LT	197+62	73 LT	40	FRONT STREET
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	YOUNG ROAD, VERIFY CULVERT TO BE REMOVED
SHEET F1		SHEET F2		500	EXISTING UNDERDRAIN, LOCATION AND EXISTENCE IS UNKNOWN, SEE NOTES ON SHEET F1 AND F2, REMOVE ONLY IF DIRECTED BY THE ENGINEER
7+00	16 LT	214+88	78 RT	152	YOUNG ROAD
214+88	78 RT	216+32	17 RT	173	SECOND AVE
216+32	17 RT	218+66	21 RT	232	SECOND AVE
218+66	21 RT	218+72	14 RT	10	SECOND AVE
228+72	21 RT	218+81	32 LT	55	SECOND AVE
220+93	14 RT	221+08	25 LT	41	SECOND AVE
			TOTAL	1583	1,234.3
4+18	RT			40	P-11
208+00	RT			41	P-8

202(6) REMOVAL OF MANHOLE				
STATION	OFFSET	QUANTITY	REMARKS	
6+19	16 LT	1	YOUNG ROAD	
214+88	78 RT	1	SECOND AVE	
216+32	17 RT	1	SECOND AVE	
218+66	21 RT	1	SECOND AVE	
218+72	14 RT	1	SECOND AVE	
220+93	14 RT	1	SECOND AVE	
		TOTAL	6	

202(9) REMOVAL OF CURB AND GUTTER - LINEAR FOOT					
BEGIN	OFFSET	END	OFFSET	QUANTITY	REMARKS
5+96	LT	8+07.19	LT	217.218	YOUNG RD
214+76	RT	218+94	RT	463.800	SECOND AVE
219+36	RT	222+74.62	RT	348.800	SECOND AVE
			TOTAL	1029.818	

608(1A) CONCRETE SIDEWALK, 4 INCHES THICK - SQUARE YARD					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
12+48	RT	8+07.19	LT	125	LYNNVIEW DRIVE / YOUNG ROAD
12+30	LT	218+99	RT	274	LYNNVIEW DRIVE / SECOND AVE
219+26	RT	222+64	RT	198	SECOND AVE
			TOTAL	597	

603(17-18) 18 INCH PIPE - LINEAR FOOT								
PIPE	INLET			OUTLET			QUANTITY	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
SD-1	S1	-	-	S2	-	-	20	FROM STORM DRAIN S-1
SD-2	S2	-	-	213+98.82	39 RT	132.2	75	OUTFALL TO DITCH, SEE NOTE
SD-3	S3	-	-	S4	-	-	+16+16.8	YOUNG ROAD, SEE NOTE
SD-4	S4	-	-	S5	-	-	26.29	YOUNG ROAD
SD-5	S5	-	-	S6	-	-	38.34	CROSSING LYNNVIEW DRIVE
SD-6	S6	-	-	S7	-	-	240.221	
SD-7	S7	-	-	S8	-	-	235.243.5	SECOND AVE
SD-8	S8	-	-	218+80.45	32.11 LT	122.15	48.528	SECOND AVE, OUTFALL TO DITCH
P-5	41+00	11 LT	-	205+50	32 LT	85.08	55.37.5	FIELD FIT INLET PER ENGINEER
P-6	206+42	29 RT	85.62	205+64	31 RT	81.59	80.79.3	
P-7	208+03	38 LT	91.16	207+28	35 LT	88.17	75.0	FIELD FIT PER ENGINEER DELETED
P-8	208+57	33 RT	97.94	208+14	32 RT	95.39	43.44.4	
P-9	211+15	36 RT	111.89	210+83	37.5 RT	110.19	32.34.6	
P-10	213+07	35 RT	124.61	212+63	35 RT	121.64	44.47	REMOVE EXISTING HEADWALLS AND REPLACE WITH 5 FOOT SHOULDERS
P-11	6+18	23 RT	137.20	5+57.5	40.66 RT	134.47	32.40.6	YOUNG ROAD
						TOTAL	1182.126.7	

NOTE:
SOME INVERT ELEVATIONS IN STORM DRAIN STRUCTURES NOT KNOWN AT TIME OF DESIGN.
CONTRACTOR SHALL SURVEY THE EXISTING INVERT ELEVATIONS AND PREPARE A SHOP DRAWING SHOWING PROPOSED INVERT ELEVATIONS OF PIPES AND CATCH BASINS.
THIS SHOP DRAWING SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BEFORE ORDERING STORM DRAIN STRUCTURES.

603(17-24) 24 INCH PIPE - LINEAR FOOT								
PIPE	INLET			OUTLET			QUANTITY	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.		
P-1	195+98	29 RT	29.68	195+92	51 LT	28.68	80.7	
P-2	197+78	35 RT	33.82	197+67	45 LT	29.89	80.90.8	
P-3	32+00±	30 RT	32.41	32+00±	20 LT	31.26	50.51.7	FIELD LOCATE TO EXISTING CHANNEL
P-4	201+24	27 RT	51.11	201+03±	40 LT	44.08	70.66	FIELD LOCATE TO EXISTING CHANNEL
						TOTAL	280.239.2	

603(22) STORM DRAIN SERVICE			
STATION	OFFSET	QUANTITY	REMARKS
215+94	25 RT	1	CONNECT TO EXISTING
216+32	16 RT	1	CONNECT TO EXISTING

604(1A) STORM SEWER MANHOLE, TYPE I - EACH								
STRUCTURE NUMBER	STATION	OFFSET	QUANTITY	TYPE OF CASTING	TOP OF CASTING	INVERT IN	INVERT OUT	REMARKS
S-2	214+66.00	36.24' RT	1	MIFG	135.70	132.67	132.57	SECOND AVE / YOUNG ROAD INTERSECTION
S-3	8+00	14.36' LT	1	CIFG	149.91	-	-	YOUNG ROAD, RECONNECT EXISTING ON NORTH SIDE, SEE NOTES
S-4	6+35	15.00' LT	1	CIFG	140.57	137.62	137.52	YOUNG ROAD
S-5	12+18	18.81' RT	1	CIFG	139.58	136.79	136.67	LYNNVIEW DRIVE / YOUNG ROAD INTERSECTION
S-7	216+32	12.89' RT	1	CIFG	134.35	131.17	131.05	SECOND AVE
S-8	218+65.50	12.50' RT	1	CIFG	127.15	124.26	122.58	SECOND AVE
S-9	220+93	12.50' RT	1	GIFG	121.83	-	-	VERIFY FLOW PATH & INVERT ELEVATIONS, SEE NOTES
			TOTAL:	7				

- NOTES:
- TOP OF CASTING ELEVATIONS ARE PER DOT STANDARD DRAWING D-23.01 AND INCLUDE LOCAL DEPRESSION.
 - LOCATIONS ARE TO LIP OF GUTTER.
 - CONTRACTOR NEEDS TO LOCATE EXISTING UTILITIES. SEE NOTE UNDER 603(17-18)
 - CIFG = FIELD INLET FRAME AND GRATE
 - CIFG = CURB INLET FRAME AND GRATE
 - GIFG = GUTTER INLET FRAME AND GRATE
 - MIFG = MOUNTABLE INLET FRAME AND GRATE

604(5) INLET, TYPE A- EACH								
STRUCTURE NUMBER	STATION	OFFSET	QUANTITY	TYPE OF CASTING	TOP OF CASTING	INVERT IN	INVERT OUT	REMARKS
S-1	214+84.85	36.76' RT	1	FIFG	135.00	-	132.75	AREA DRAIN FIELD INLET
S-6	12+36	13.14' LT	1	CIFG	139.35	136.48	136.38	LYNNVIEW DRIVE, SEE NOTE.
			TOTAL:	2				

- NOTE:
- S-1: INLET, TYPE A USED TO ACHIEVE MINIMUM PIPE SLOPE AND OUTFALL TO DITCH FROM SD-2.
 - S-6: INLET, TYPE A USED TO RAISE PIPE SD-5 OVER EXISTING WATERLINE. CONTRACTOR TO FIELD VERIFY BEFORE ORDERING INLET.

604(3) RECONSTRUCT EXISTING MANHOLE - EACH					
STATION	OFFSET	QUANTITY	TYPE	REMARKS	
21+02	8 RT	1	SANITARY	FIRST AVENUE	
13+71	1 LT	1	SANITARY	LYNNVIEW DRIVE	
5+93	19 LT	1	SANITARY	YOUNG ROAD	
		TOTAL	3		

604(4) ADJUST EXISTING MANHOLE - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
216+64	7 RT	1	SANITARY	
219+34	6 RT	1	SANITARY	
221+08	12 RT	1	SANITARY	
		TOTAL	3	

SHEET NUMBER	TOTAL SHEETS	
D1	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
F:\562206\Draws\C\Sheets\D01.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
RECORD OF REVISIONS:		
NO. DATE	DESCRIPTION	
Δ 3-15-10	C.O. #1	
PREPARED BY: USKH INC.		

SUMMARY SHEETS

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. *Mued* Date 7-11-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

608(6) CURB RAMP - EACH				
STATION	OFFSET	TYPE	QUANTITY	REMARKS
12+26	RT	PARALLEL	1	LYNNVIEW DRIVE
12+31	LT	PERPENDICULAR	1	LYNNVIEW DRIVE
218+96	LT	PARALLEL	1	VIEW DRIVE
219+29	LT	PARALLEL	1	VIEW DIRVE
TOTAL			4	

609(2) CURB AND GUTTER - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
14+40	RT	7+00	LT	312	LYNNVIEW DRIVE / YOUNG ROAD
14+40	LT	218+99	RT	751	LYNNVIEW DRIVE / SECOND AVE
219+26	RT	222+64	RT	357	SECOND AVE
TOTAL				1420	

627(1A) WATER CONDUIT, 8-INCH PVC - LINEAR FOOT					
STATION	OFFSET	STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	208+01	73 LT	440	ADD. ALT. 1
TOTAL				440	

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

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

627(6) FIRE HYDRANT RELOCATION				
STATION	OFFSET	QUANTITY	REMARKS	
12+41.71	34.53 LT	1	LYNNVIEW DRIVE, RELOCATE TO AVOID SD-4	

627(7) FIRE HYDRANT REMOVAL - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
208+12.5	52.5 LT	1		
TOTAL		1		

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. 1	
207+31.79	38 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD ALT. 1	
41+05	4 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD ALT. 1, OCEAN VIEW DR.	
TOTAL		3		

627(9) INSTALL 8-IN GATE VALVE - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
41+14	4.5 LT	1	OCEAN VIEW DRIVE, ADD ALT. 1	
207+18	33 LT	1	ADD ALT. 1	
208+01	73 LT	1	FIRST AVE., ADD ALT. 1	
TOTAL		3		

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	MOVE OUTSIDE OF CURB RAMP	
217+12	16 RT	1		
217+15	16 RT	1		
219+02	4 LT	1		
219+03	8 LT	1		
219+06	6 RT	1		
223+01	15 LT	1		
223+02	8 LT	1		
223+03	17 LT	1		
223+04	15 LT	1		
6+60	18 LT	1		
7+00	17 LT	1		
13+68	13 LT	1		
TOTAL		17		

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	FRONT STREET
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				3000	ROUNDED

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	30.00	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	LYNNVIEW DR, PAVE TO RIGHT OF WAY
14+14	LT	12.00	MATCH EXISTING		MATCH EXISTING		1	LYNNVIEW DR, PAVE TO RIGHT OF WAY
216+50	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
216+89	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
217+39	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
217+99	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
219+75.63	RT	24.00	MTE	5.00	MATCH EXISTING		1	
221+05.75	RT	35.00	MTE	5.00	MATCH EXISTING		1	
221+91	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
TOTAL							17	

641(5) CATCH BASIN SEDIMENT BAG - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
6+95	14 LT	1	YOUNG ROAD	
6+19	14 LT	1	YOUNG ROAD	
12+37	14 LT	1	LYNNVIEW DRIVE	
214+65	RT	1		
216+32	RT	1		
218+72	RT	1		
220+93	RT	1		
225+00	RT	1	N: 16286.50, E: 54812.80	
225+00	LT	1	N: 16279.60, E: 54852.71	
226+75	LT	1	N: 16118.59, E: 54784.49	
220+93	RT	1	N: 16111.91, E: 54842.26	
TOTAL		11		

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		
N/A	N/A	8	AS DIRECTED	
TOTAL		15		

SHEET NUMBER TOTAL SHEETS

D2 28

STATE YEAR

ALASKA 2009

PROJECT DESIGNATION NUMBERS

ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

NCL KEB NCL

ELECTRONIC PATHWAY:

\\562205\Draws\C\Sheets\002.dwg

EDTIME

JUNE, 2009

STANDARDS:

REHABILITATION 3R

SPECIFICATIONS:

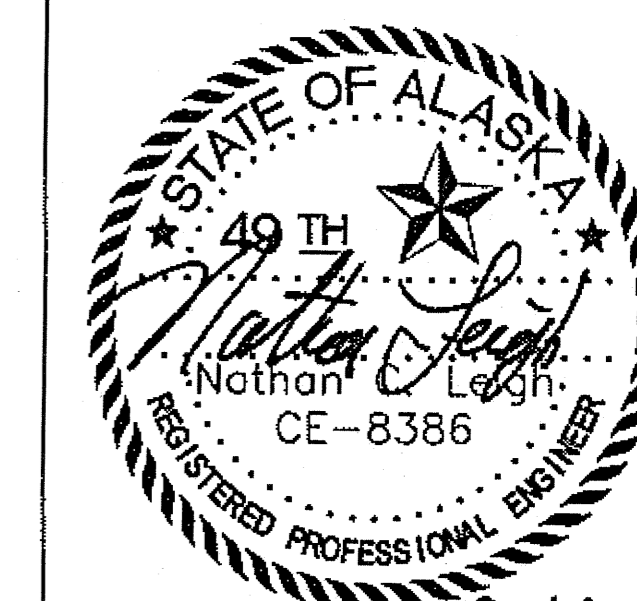
SSHC 2004

Sheet D2 dated June 2009
Replaced by Sheet D2 dated
March 2010 - C.O.No.1

PREPARED BY: USKH INC.

SUMMARY SHEETS

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. *Nathan Leigh* Date 7-17-09



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

608(6) CURB RAMP - EACH				
STATION	OFFSET	TYPE	QUANTITY	REMARKS
12+26	RT	PARALLEL	1	LYNNVIEW DRIVE
12+31	LT	PERPENDICULAR	1	LYNNVIEW DRIVE
218+96	LT	PARALLEL	1	VIEW DRIVE
219+29	LT	PARALLEL	1	VIEW DIRVE
TOTAL			4	

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	FRONT STREET
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				3000	ROUNDED

609(2) CURB AND GUTTER - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
14+30	RT	8+07	LT	400	LYNNVIEW DRIVE / YOUNG ROAD
14+30	LT	218+99	RT	734	LYNNVIEW DRIVE / SECOND AVE
219+26	RT	222+64	RT	357	SECOND AVE
TOTAL				1491	

635(1) INSULATION BOARD - MBM					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
5+66	26 LT	7+28	3 RT	1.4	WATERLINE IN YOUNG ROAD
12+38	25 LT	-	-	0.3	LYNNVIEW DRIVE STORM DRAIN CROSSING WATERLINE
218+72	6 LT	-	-	0.3	SECOND AVE STORM DRAIN CROSSING WATERLINE
TOTAL				2.0	

627(1A) WATER CONDUIT, 8-INCH PVC - LINEAR FOOT					
STATION	OFFSET	STATION	OFFSET	QUANTITY	REMARKS
205+90	55 RT	208+01	73 LT	440	FIRST AVE., ADD. ALT. 1
12+40	22 LT	14+40	12 LT	210	LYNNVIEW DR., ADD. ALT. 1
TOTAL				650	

639(3) APPROACH - EACH								
STATION	OFFSET	LANDING		ACCESS		QUANTITY	REMARKS	
		WIDTH	GRADE %	LENGTH	GRADE %			LENGTH
201+75	LT	13.60	1.90	10.00	4.90	22.00	1	PAVE 14' BEHIND FOG LINE
208+38	RT	11.40	2.00	10.00	MTE	15.2	1	PAVE 14' BEHIND FOG LINE
211+00	RT	13.50	-2.00	10.00	2.71	32.00	1	PAVE 14' BEHIND FOG LINE
212+88	RT	15.50	-2.00	10.00	3.00	18.4	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	30.00	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
7+50	RT	24.00	MATCH EXISTING		MATCH EXISTING		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	LYNNVIEW DR, PAVE TO RIGHT OF WAY
14+14	LT	12.00	MATCH EXISTING		MATCH EXISTING		1	LYNNVIEW DR, PAVE TO RIGHT OF WAY
216+50	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
216+89	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
217+39	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
217+99	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
219+75.63	RT	24.00	MTE	5.00	MATCH EXISTING		1	
221+05.75	RT	35.00	MTE	5.00	MATCH EXISTING		1	
221+91	RT	14.00	MTE	10.00	MATCH EXISTING		1	NOT SURVEYED. MATCH EXISTING LOCATIONS
TOTAL							18	

627(3) INSTALL VALVE BOX - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
205+90	55 RT	1	FIRST AVE., ADD. ALT. 1	
207+96	71 LT	1	FIRST AVE., ADD. ALT. 1	
14+40	12 LT	1	LYNNVIEW DR., ADD. ALT. 1	
TOTAL		3		

627(5) FIRE HYDRANT INSTALLATION - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
12+41.5	18 LT	1		
TOTAL		1		

627(7) FIRE HYDRANT REMOVAL - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
12+42.5	37 LT	1		
TOTAL		1		

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. 1	
207+31.79	38 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD. ALT. 1	
41+05	4 LT	1	75 LF. 1" COPPER, REF CBJ STD 406, ADD. ALT. 1, OCEAN VIEW DR.	
TOTAL		3		

627(9) INSTALL 8-IN GATE VALVE - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
41+14	4.5 LT	1	OCEAN VIEW DRIVE, ADD. ALT. 1	
207+18	33 LT	1	ADD. ALT. 1	
208+01	73 LT	1	FIRST AVE., ADD. ALT. 1	
14+40	12 LT	1	LYNNVIEW DR., ADD. ALT. 1	
TOTAL		4		

627(10) ADJUSTMENT OF VALVE BOX - EACH				
STATION	OFFSET	QUANTITY	REMARKS	
207+48	78 LT	1		
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	MOVE OUTSIDE OF CURB RAMP	
217+12	16 RT	1		
217+15	16 RT	1		
219+02	4 LT	1		
219+03	8 LT	1		
219+06	6 RT	1		
223+01	15 LT	1		
223+02	8 LT	1		
223+03	17 LT	1		
223+04	15 LT	1		
6+60	18 LT	1		
7+00	17 LT	1		
TOTAL		17		

641(5) CATCH BASIN SEDIMENT BAG - EACH				
STRUCTURE	STATION	OFFSET	QUANTITY	REMARKS
S-1	-	-	1	
S-2	-	-	1	
S-3	-	-	1	YOUNG ROAD
S-4	-	-	1	YOUNG ROAD
S-5	-	-	1	YOUNG ROAD
S-6	-	-	1	LYNNVIEW DRIVE
S-7	-	-	1	
S-8	-	-	1	
S-9	-	-	1	
EXIST. C.B.	225+00	RT	1	
EXIST. C.B.	225+00	LT	1	
EXIST. C.B.	226+75	LT	1	
EXIST. C.B.	226+75	RT	1	
TOTAL			13	

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		
N/A	N/A	8	AS DIRECTED	
TOTAL		15		

SHEET NUMBER TOTAL SHEETS

D2 28

STATE YEAR
ALASKA 2010

PROJECT DESIGNATION NUMBERS
ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

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

ELECTRONIC PATHWAY:
I:\562206\Draws\C\Sheets\D02.dwg

EDTIME
MARCH, 2010

STANDARDS:
REHABILITATION 3R

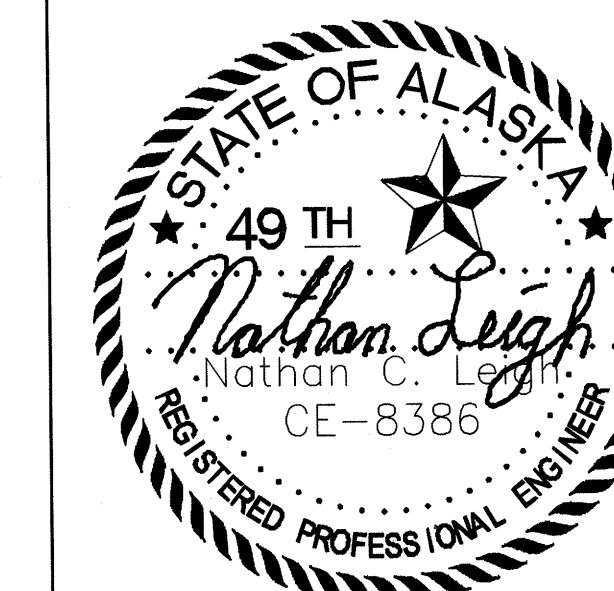
SPECIFICATIONS:
SSHC 2004

RECORD OF REVISIONS:
NO. DATE DESCRIPTION
A 3-15-10 C.O. #1

PREPARED BY: USKH INC.

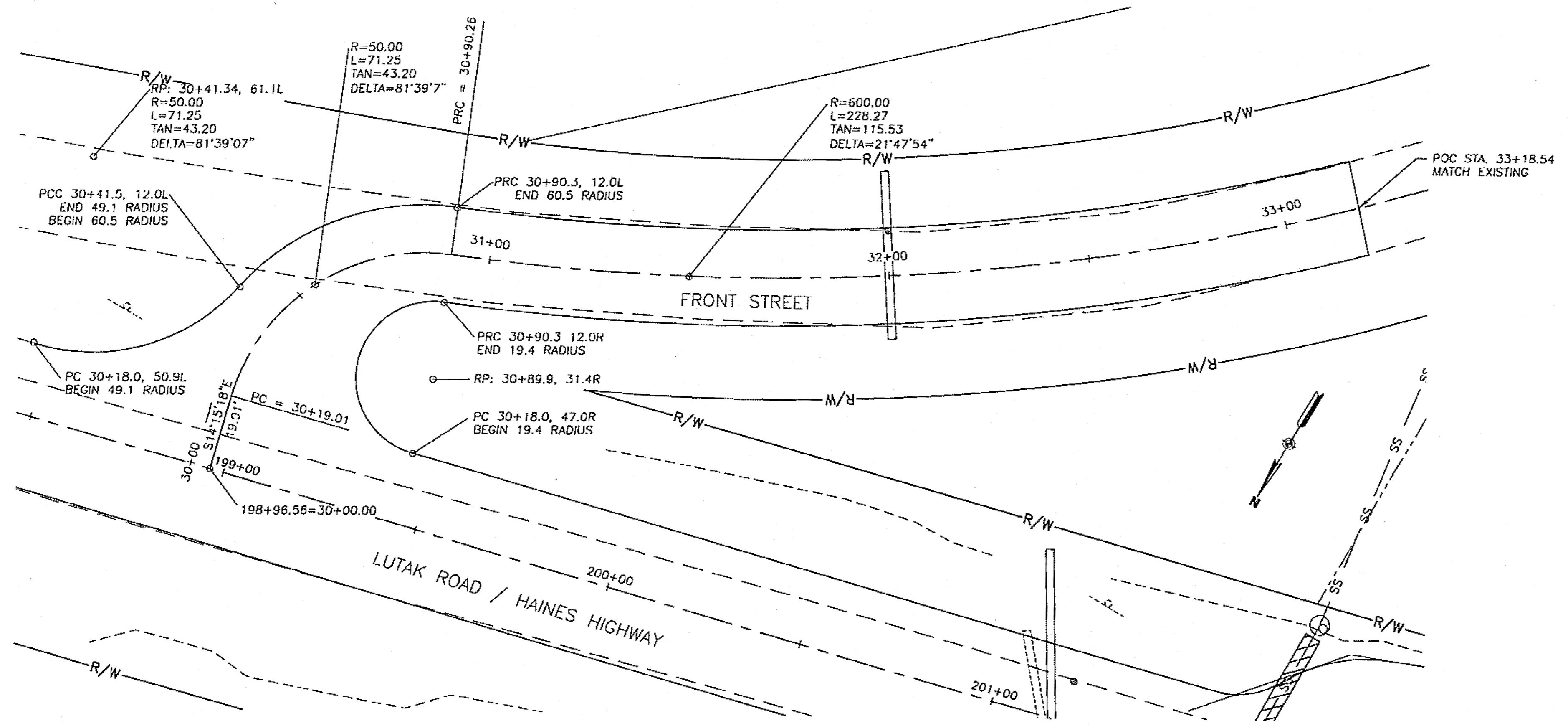
SUMMARY SHEETS

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. *Nathan Leigh* Date 7-11-12

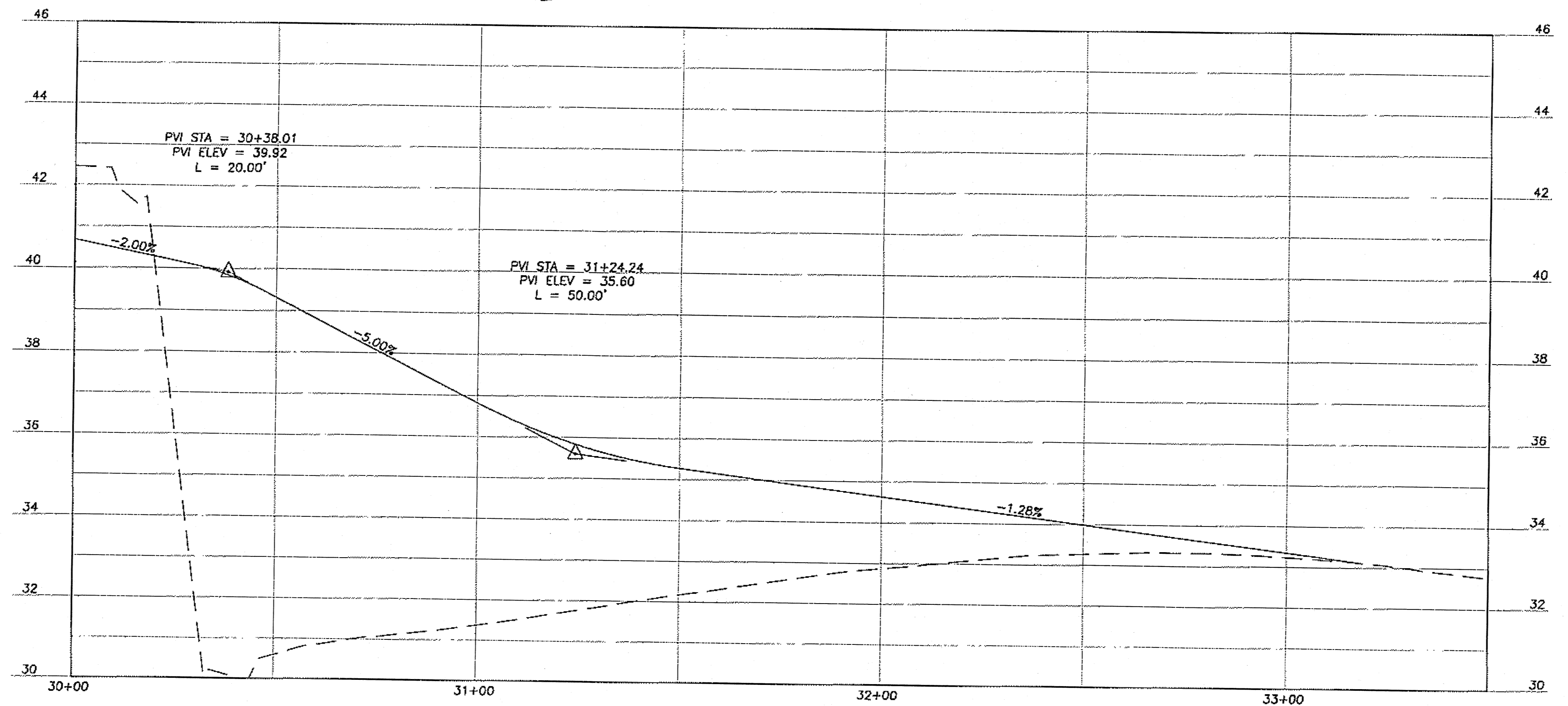


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

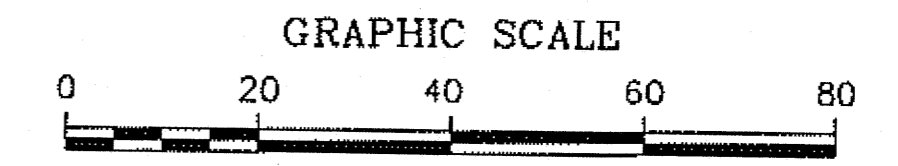
HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)



1 FRONT STREET
E1 STA. 30+00 TO STA. 33+18.54



FRONT STREET PROFILE



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SHEET NUMBER	TOTAL SHEETS
E1	28
STATE	YEAR
ALASKA	2009

PROJECT DESIGNATION NUMBERS
ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

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

ELECTRONIC PATHWAY:
F:\562205\Draws\C\Sheets\E01.dwg

EDTIME
JUNE, 2009

STANDARDS:
REHABILITATION 3R

SPECIFICATIONS:
SSHC 2004

Sheet E1 dated June 2009
Replaced by Sheet E1 dated
March 2010 - C.D. No.1

PREPARED BY: USKH INC.

FRONT STREET INTERSECTION

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. *M. W. W.* Date 7-1-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

Tue, 15/Jun/09 09:28AM

SHEET NUMBER	TOTAL SHEETS
E2	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\582205\Dwgs\C\Sheets\E02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

Sheet E 2 dated JUNE 2009
 Replaced by Sheet E 2 dated
 March 2010 - C.D. No. 1

PREPARED BY: USKH INC.

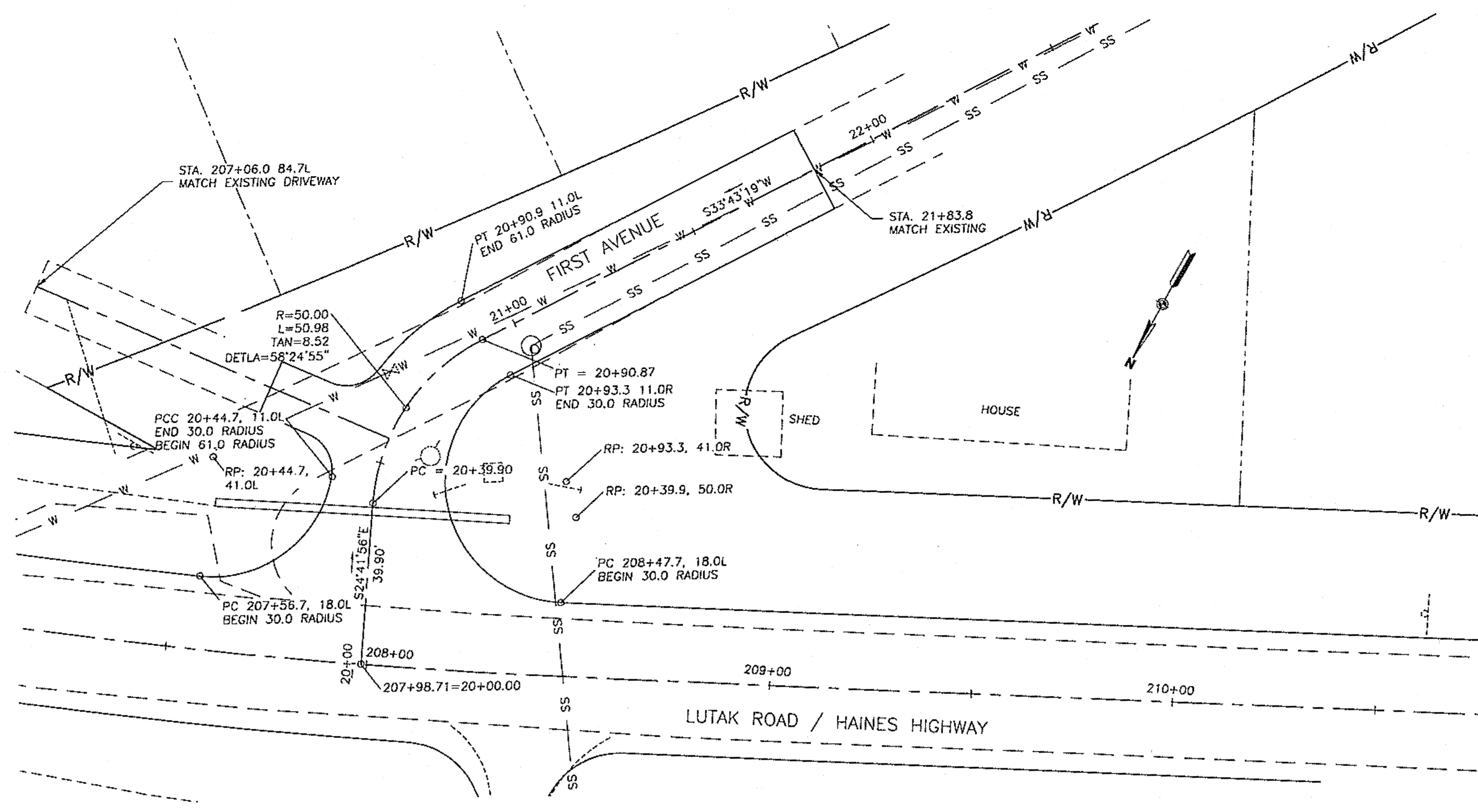
FIRST AVE INTERSECTION

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 7-1-10

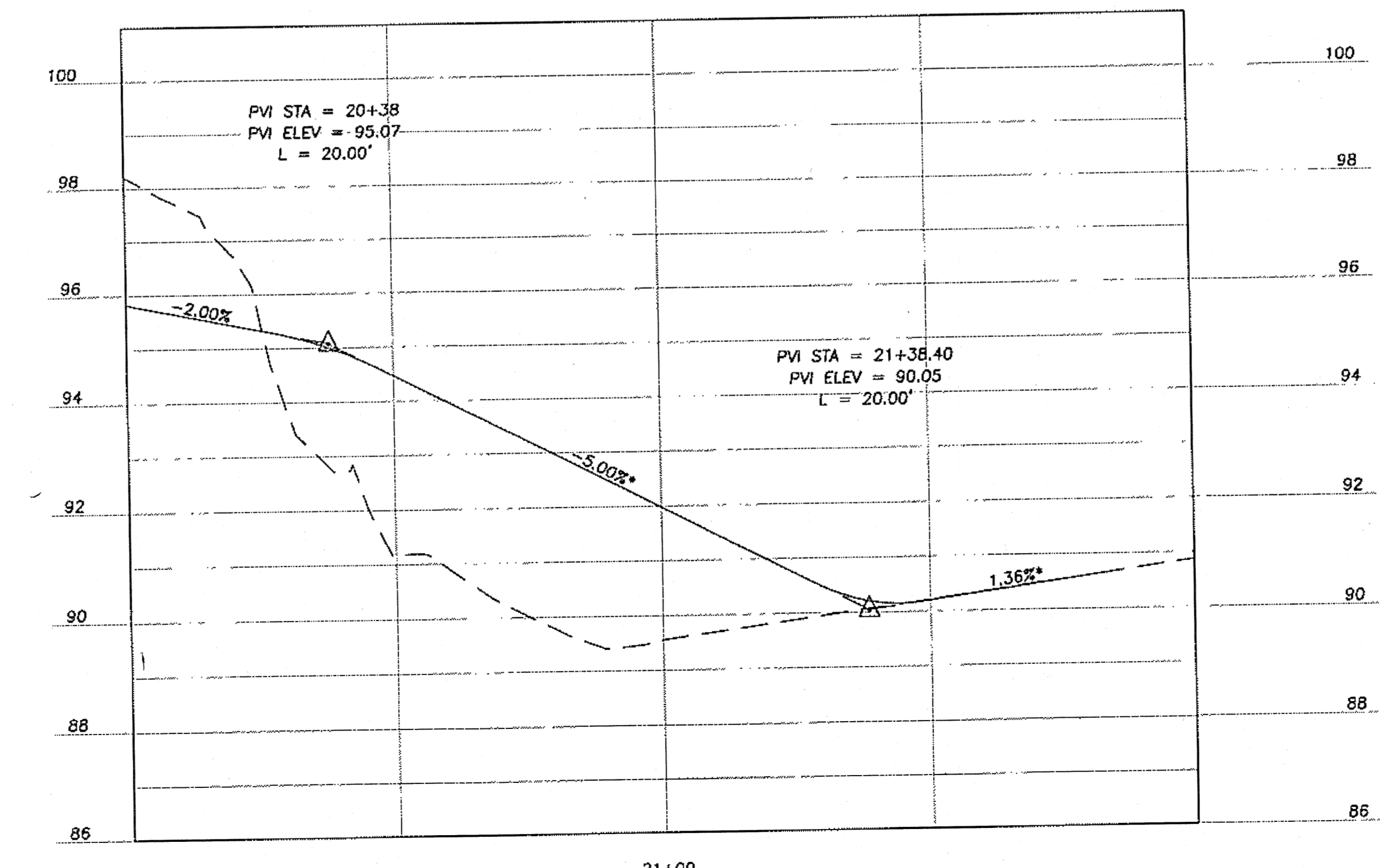


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

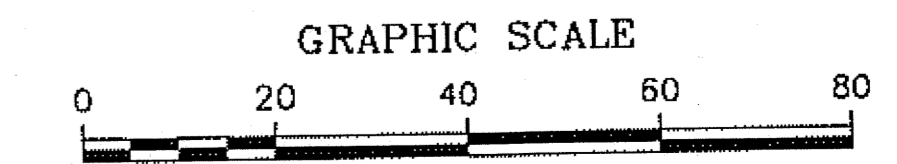


1 FIRST AVENUE
 E2 STA. 20+00 TO STA. 21+83.83



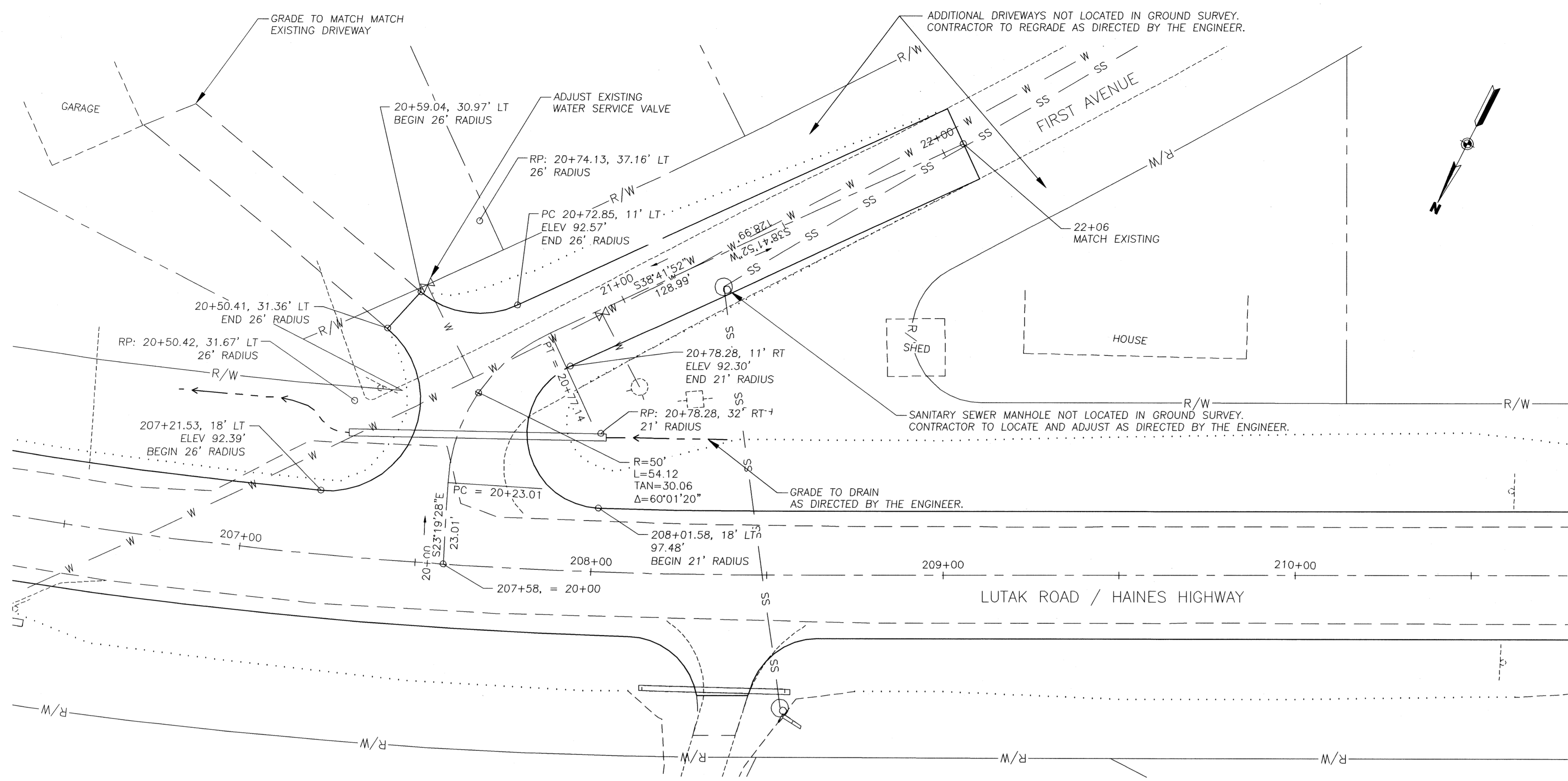
FIRST AVENUE PROFILE

* - 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

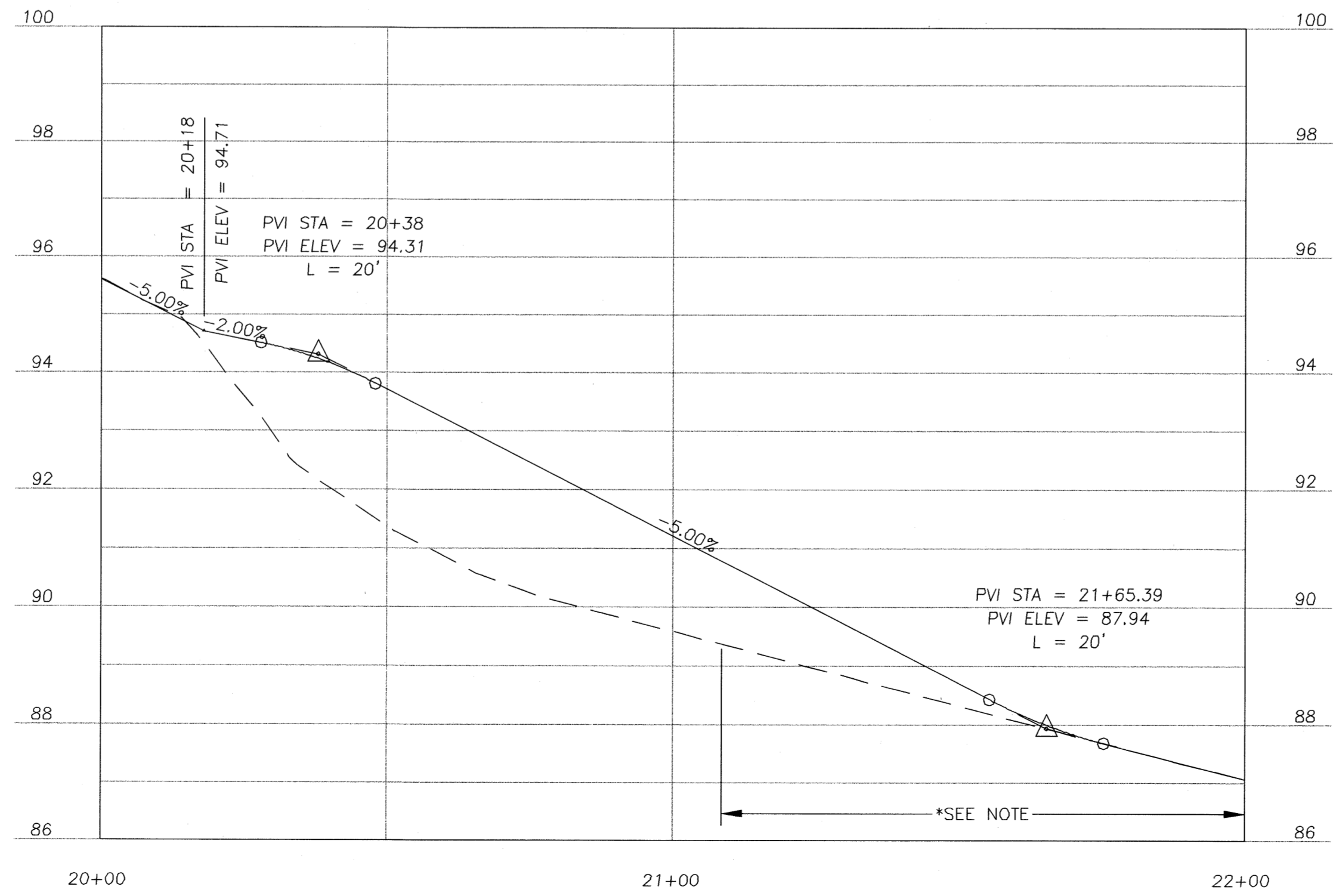


DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

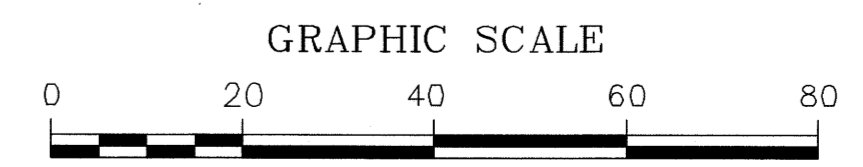
15 JUN 09 09:28AM



1 FIRST AVENUE
E2 STA. 20+00 TO STA. 21+95.67



* - NO SURVEY INFORMATION AVAILABLE BEYOND FIRST AVENUE STA. 21+08.47. GRADE TO BE FIELD ADJUSTED BY THE ENGINEER TO MATCH INTO EXISTING PROFILE AT THE APPROXIMATE LOCATIONS AND GRADES SHOWN ON THIS SHEET



SHEET NUMBER	TOTAL SHEETS	
E2	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
I:\562206\Dwgs\C\Sheets\E02.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	C.O. #1
PREPARED BY: USKH INC.		

FIRST AVE INTERSECTION

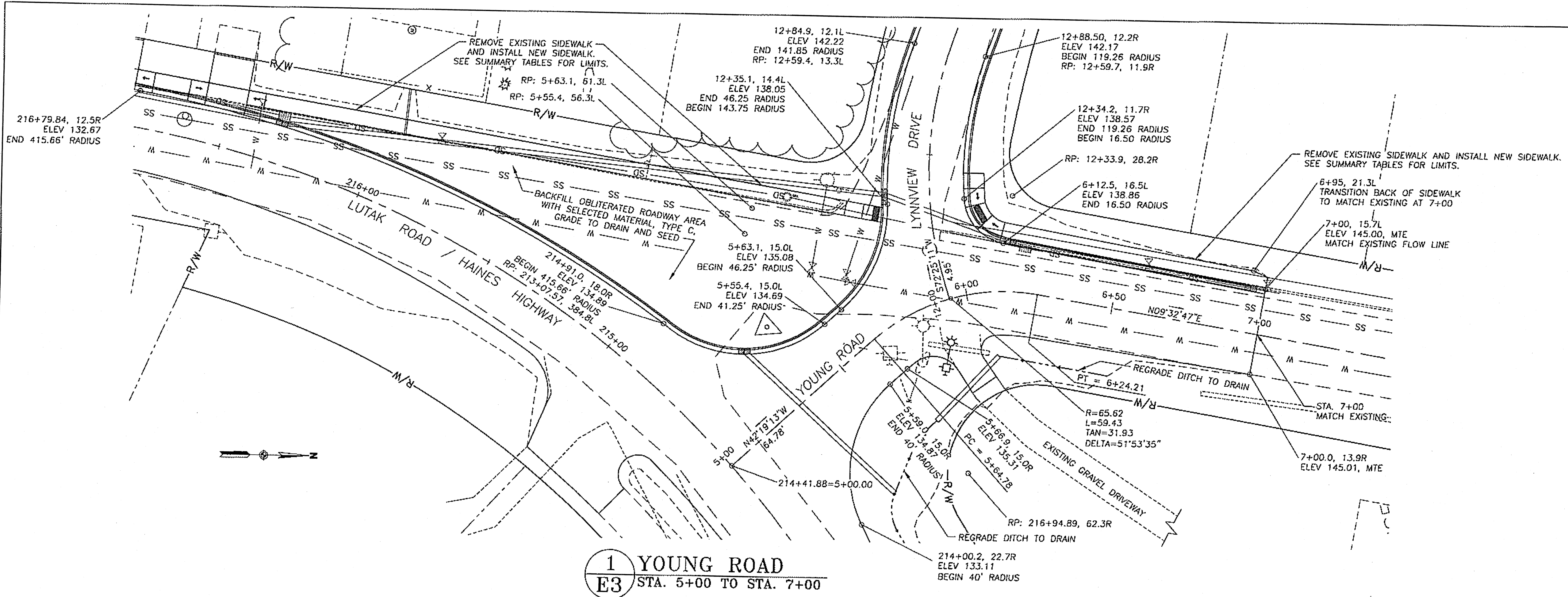
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *M. Wood* Date 7-11-10



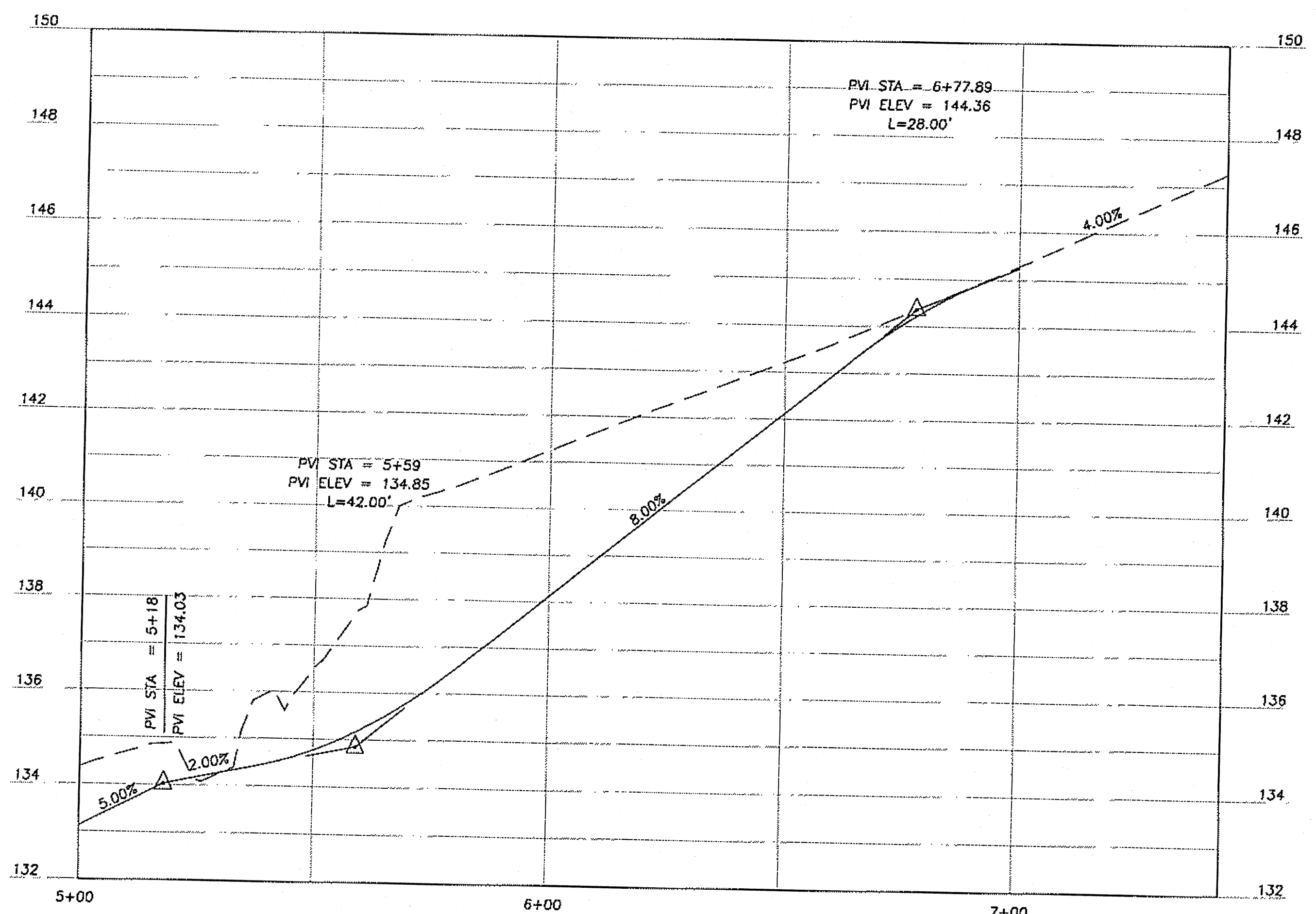
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

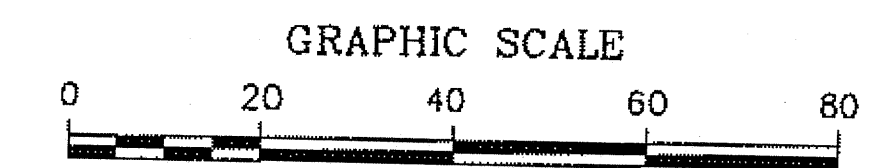
SHEET NUMBER	TOTAL SHEETS
E3	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Drawings\C\Sheets\E03.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
Sheet E3 dated June 2009 Replaced by Sheet E3 dated March 2010 - C.D. No.1	
PREPARED BY: USKH INC.	



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



YOUNG ROAD PROFILE



YOUNG RD & LYNNVIEW DR INTERSECTION

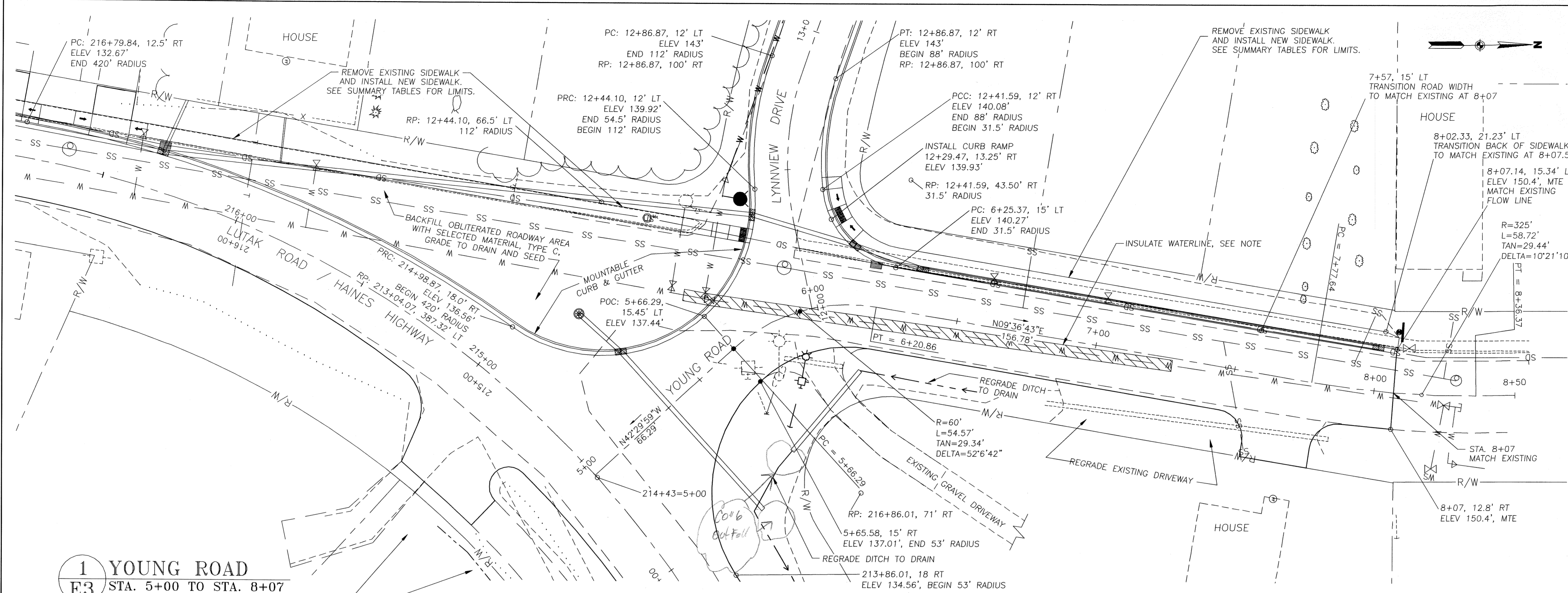
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *M. Reed* Date 7/1/09



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

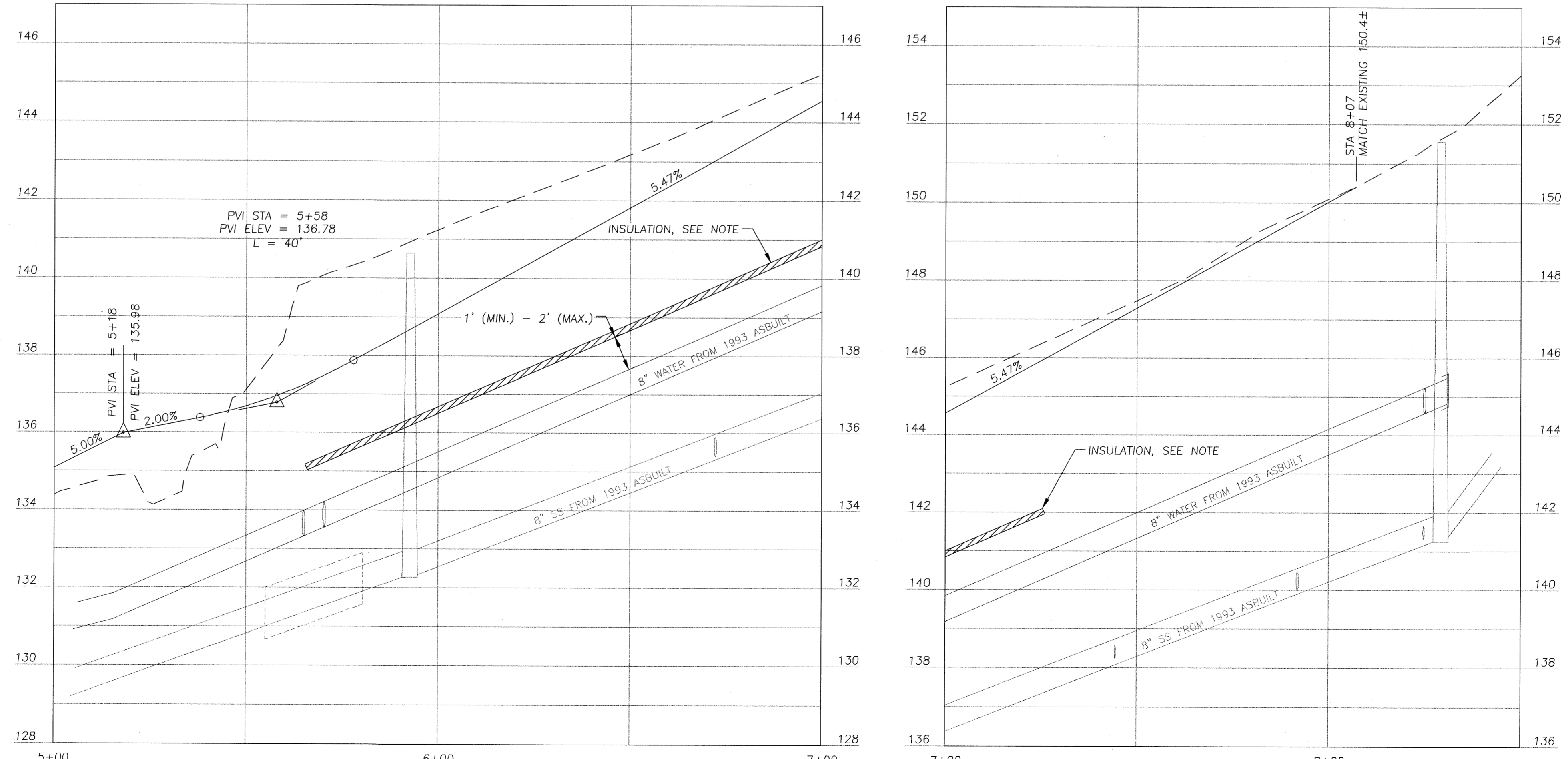
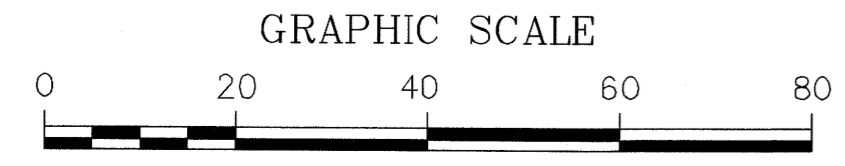


1 YOUNG ROAD
E3 STA. 5+00 TO STA. 8+07

CONTRACTOR TO LOCATE AND PROTECT EXISTING GRAVEL PAD

SEE SHEET U1-U2 FOR STORM DRAIN DESIGN

NOTE:
 WHEN COVER OVER EXISTING WATERLINE IS LESS THAN 5' INSTALL 2" THICK X 4' WIDE INSULATION BOARD.
 SEE CPPS STD DETAIL 70-13



YOUNG ROAD PROFILE

SHEET NUMBER	TOTAL SHEETS	
E3	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
I:\562206\Drawings\C\Sheets\E03.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSH 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	C.O. #1
PREPARED BY: USKH INC.		

YOUNG RD & LYNNVIEW DR INTERSECTION

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. *M. Miller* Date 2/1/12

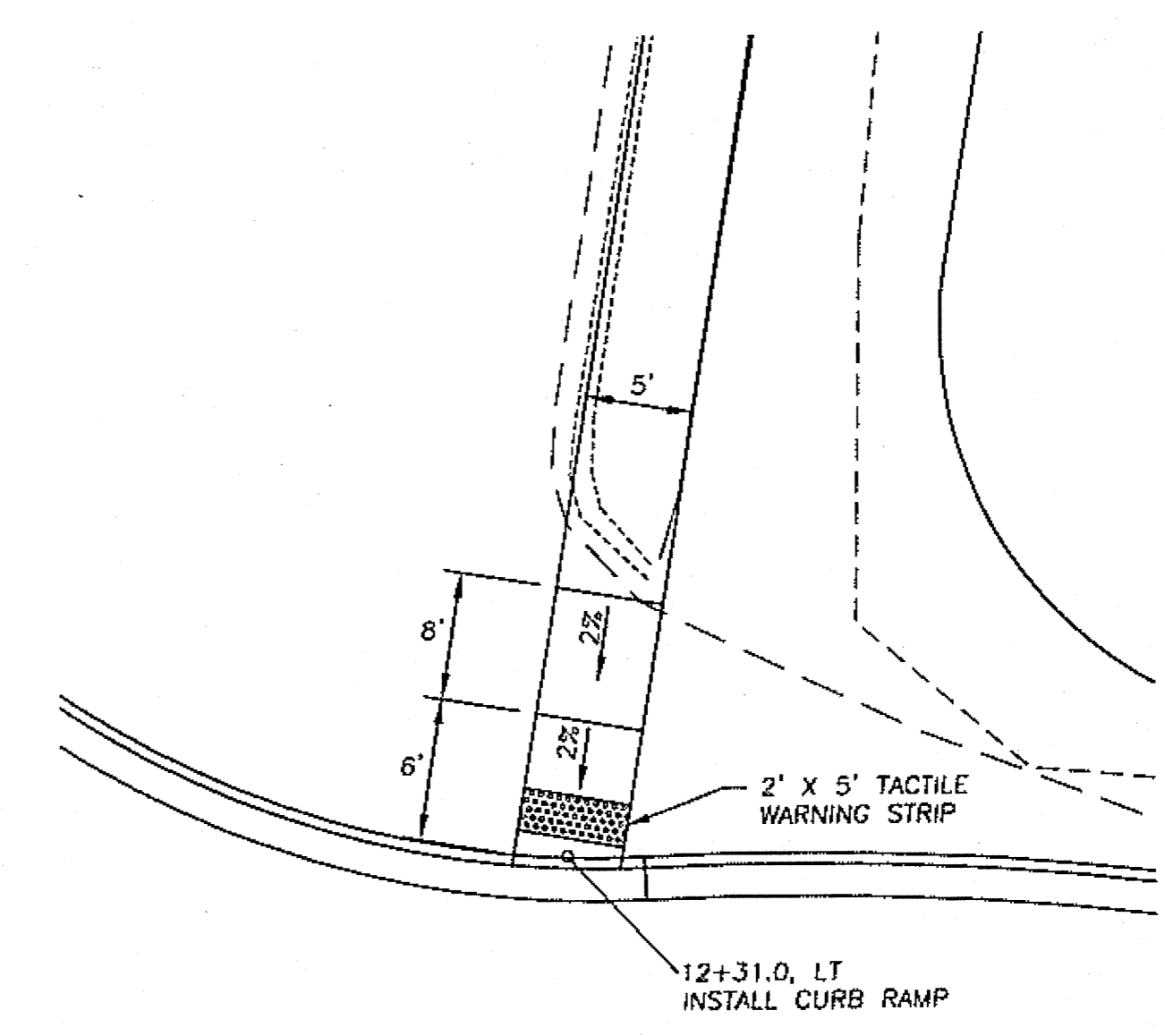
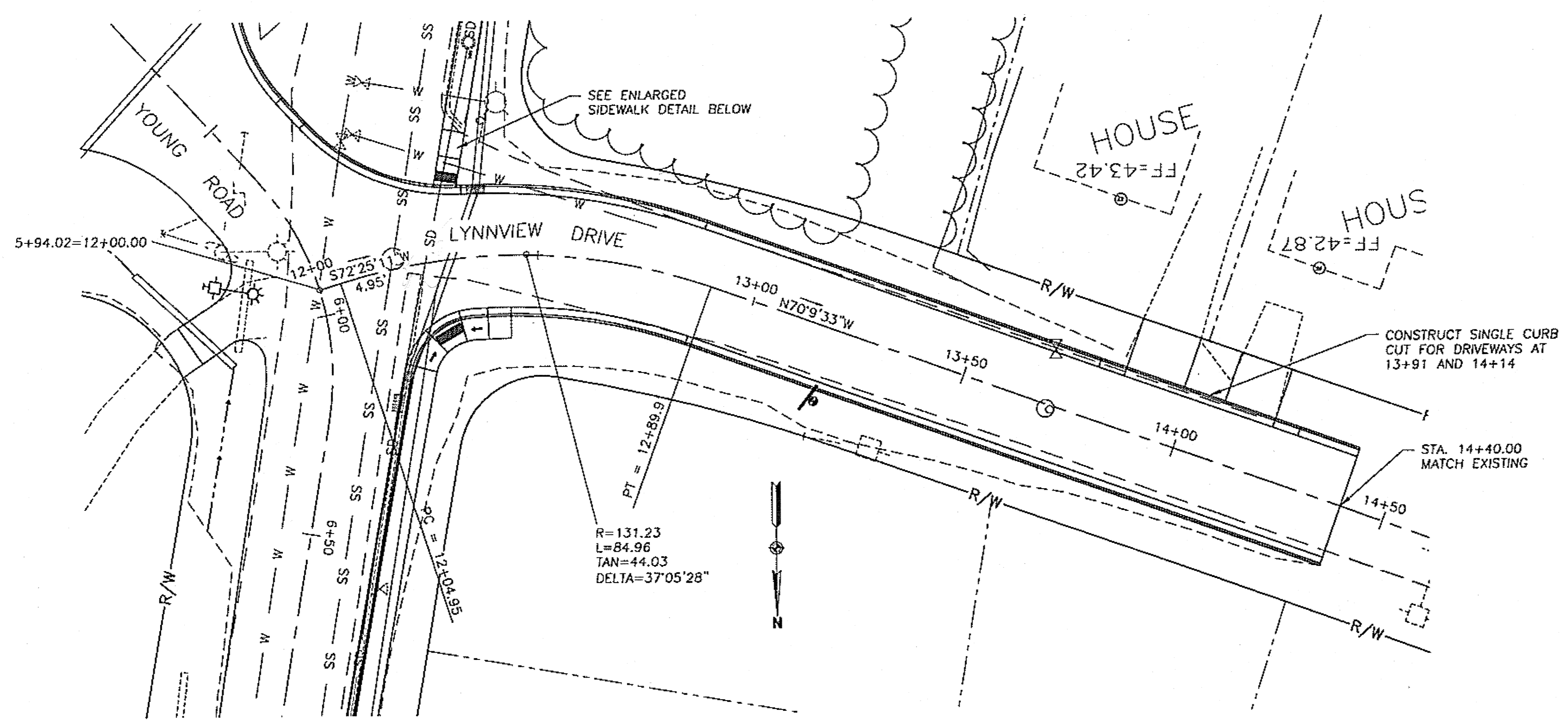


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

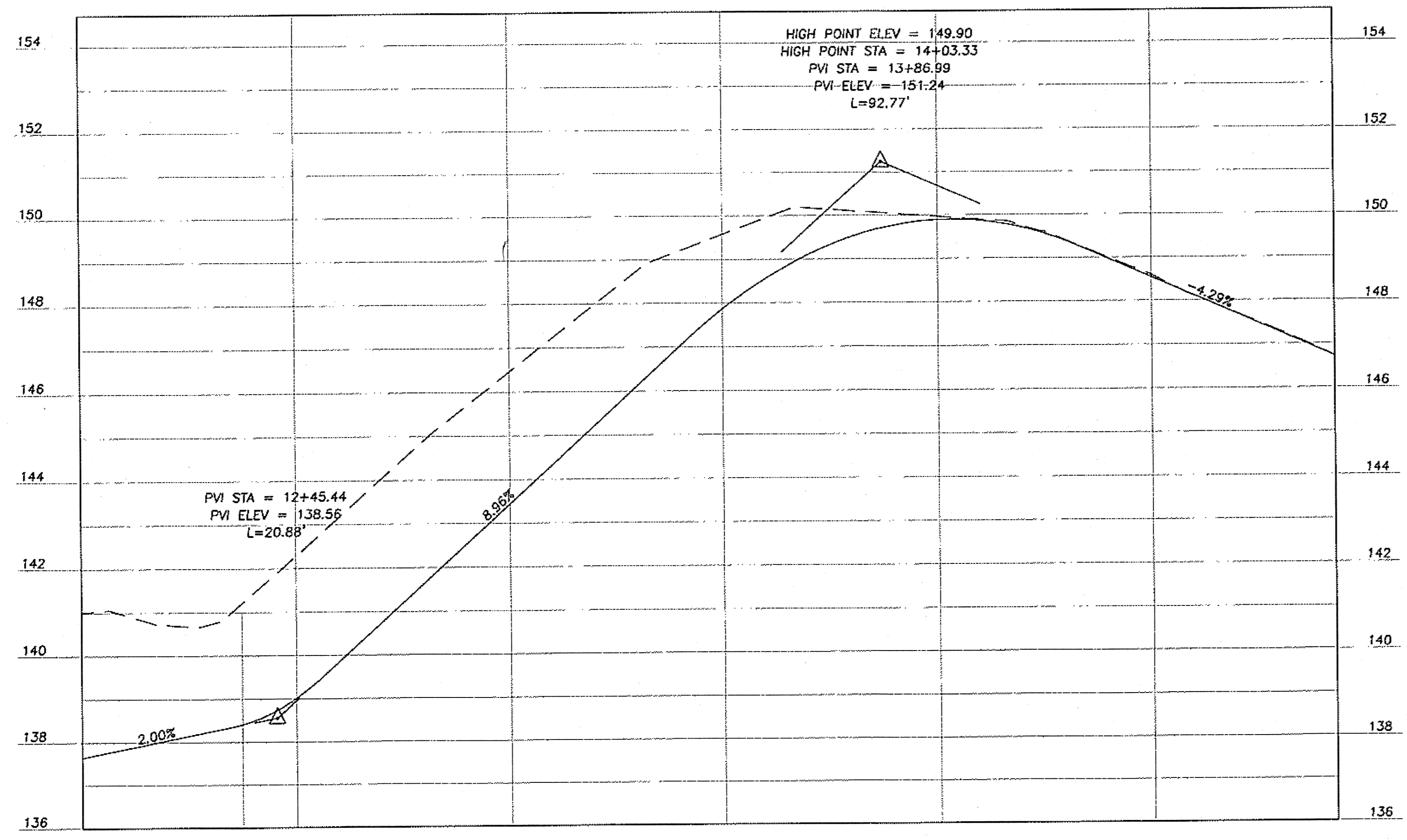
Mon, 15/Mar/10 04:45PM

SHEET NUMBER	TOTAL SHEETS
E4	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Draws\C\Sheets\E04.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
Sheet E 4 dated JUNE 2009 Replaced by Sheet E 4 dated March 2010 - C.O. No.1	

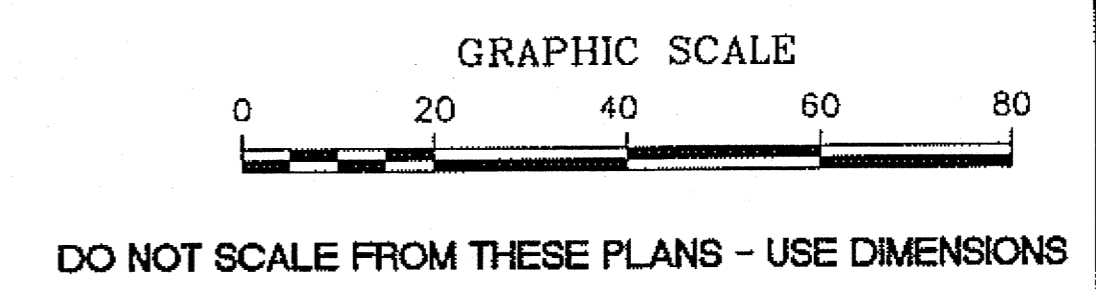


ENLARGED SIDEWALK DETAIL

1 LYNNVIEW DRIVE
E4 STA. 12+00 TO STA. 14+40



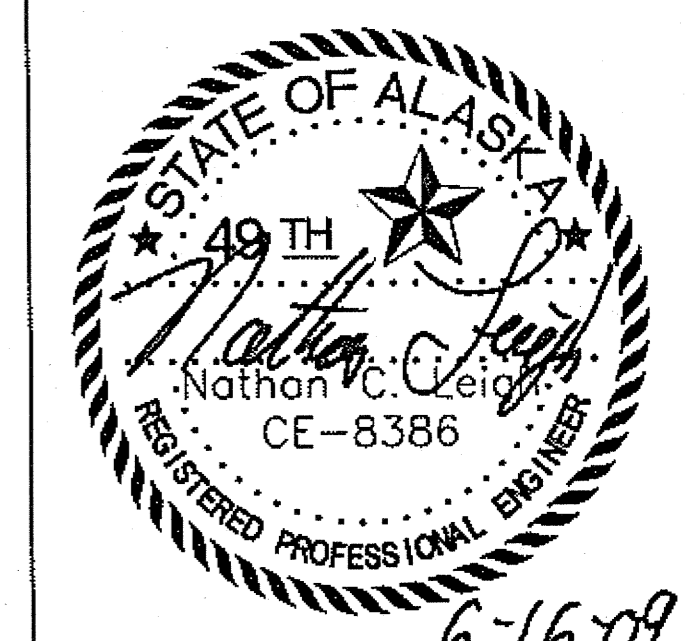
LYNNVIEW DRIVE PROFILE



PREPARED BY: **USKH INC.**

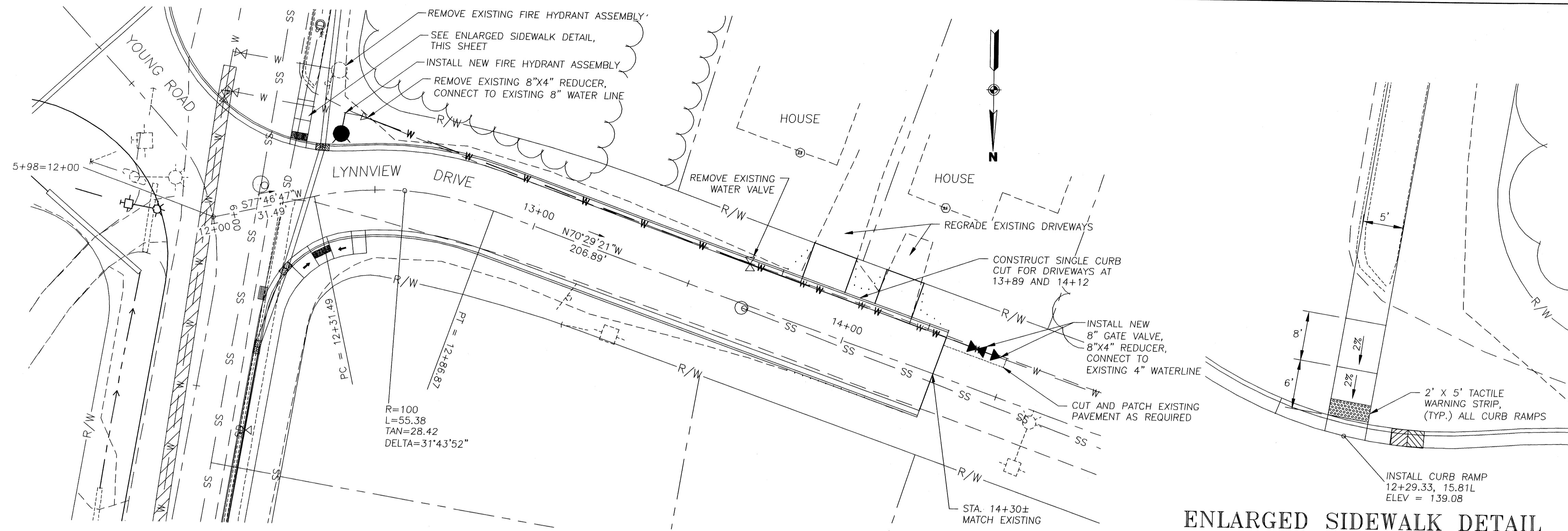
YOUNG RD & LYNNVIEW DR INTERSECTION

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. *W. W. W.* Date *7/1/09*



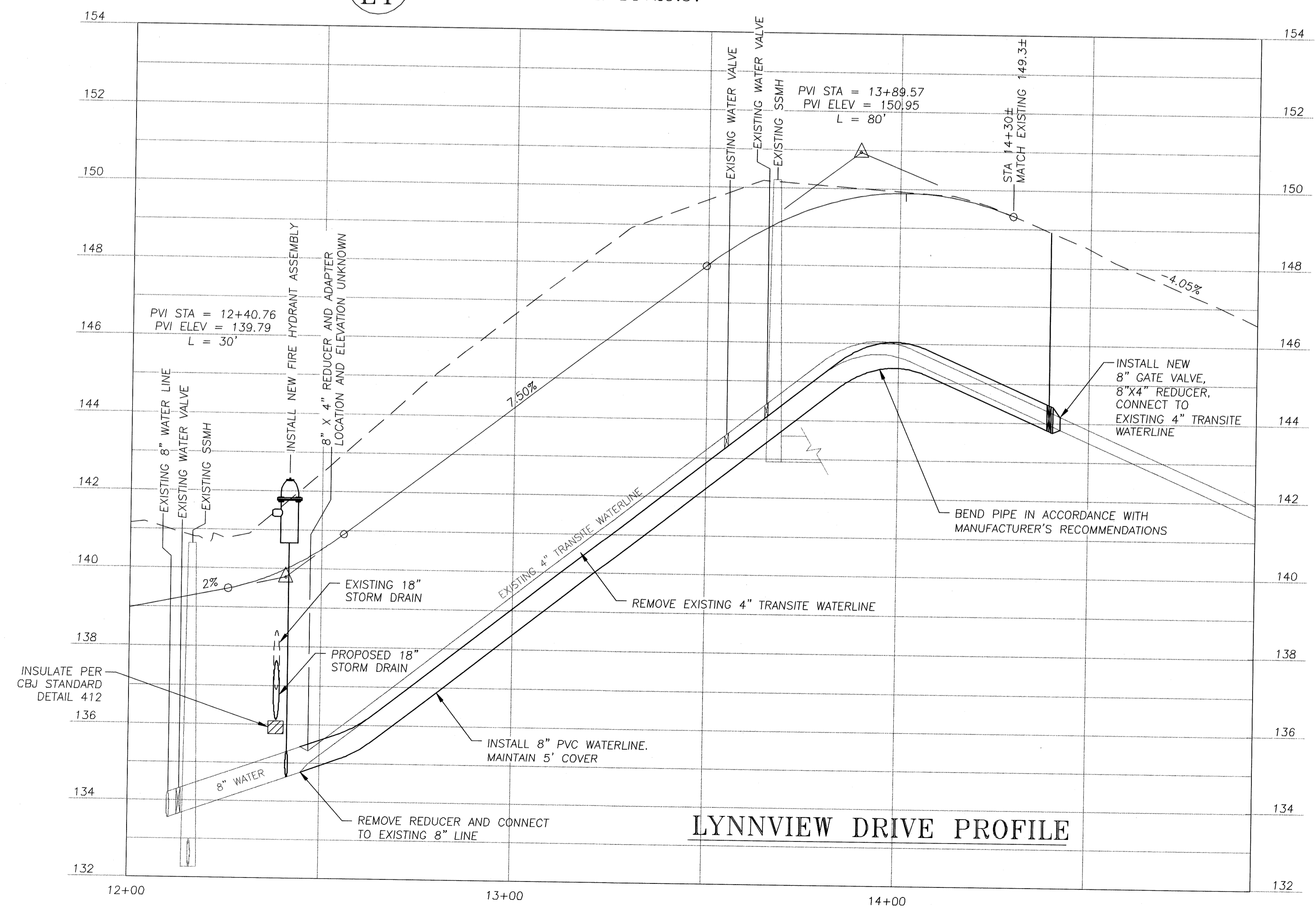
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

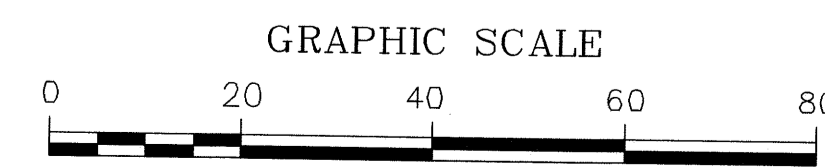


1 LYNNVIEW DRIVE
E4 STA. 12+00 TO STA. 14+29.57

ENLARGED SIDEWALK DETAIL



- NOTES:
- REMOVAL AND REPLACEMENT OF WATERLINE SHALL BE MEASURED AND PAID FOR UNDER ADDITIVE ALT 1.
 - EXACT LOCATION UNKNOWN. CONTRACTOR TO FIELD LOCATE BEFORE ORDERING MATERIALS.



SHEET NUMBER	TOTAL SHEETS
E4	28
STATE	YEAR
ALASKA	2010
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562206\Dwgs\C\Sheets\E04.dwg	
EDTIME	
MARCH, 2010	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

RECORD OF REVISIONS:

NO.	DATE	DESCRIPTION
1	3-15-10	C.O. #1

PREPARED BY: **USKH INC.**

YOUNG RD & LYNNVIEW DR INTERSECTION

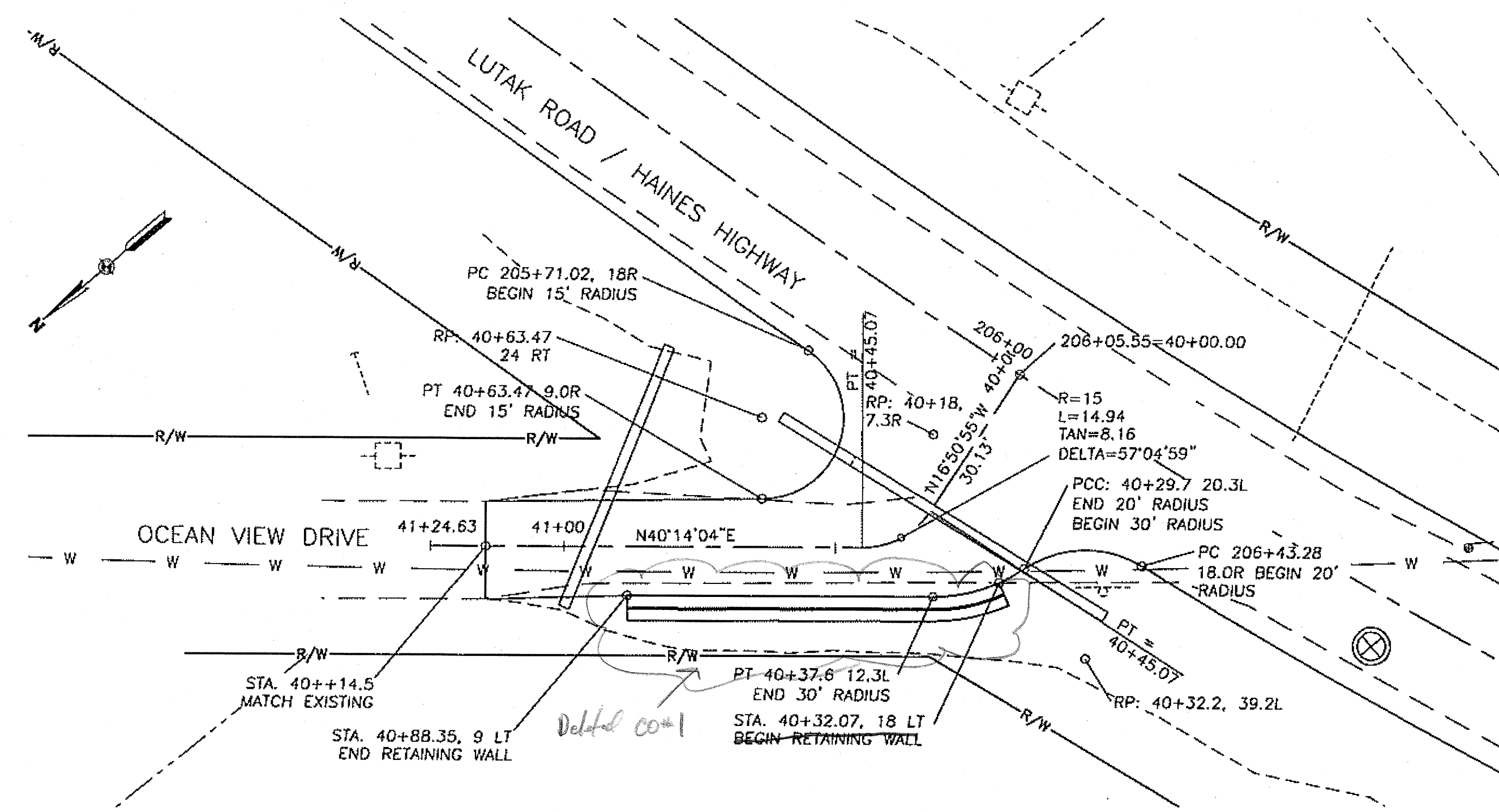
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Eng. *Mud* Date 7/4/12



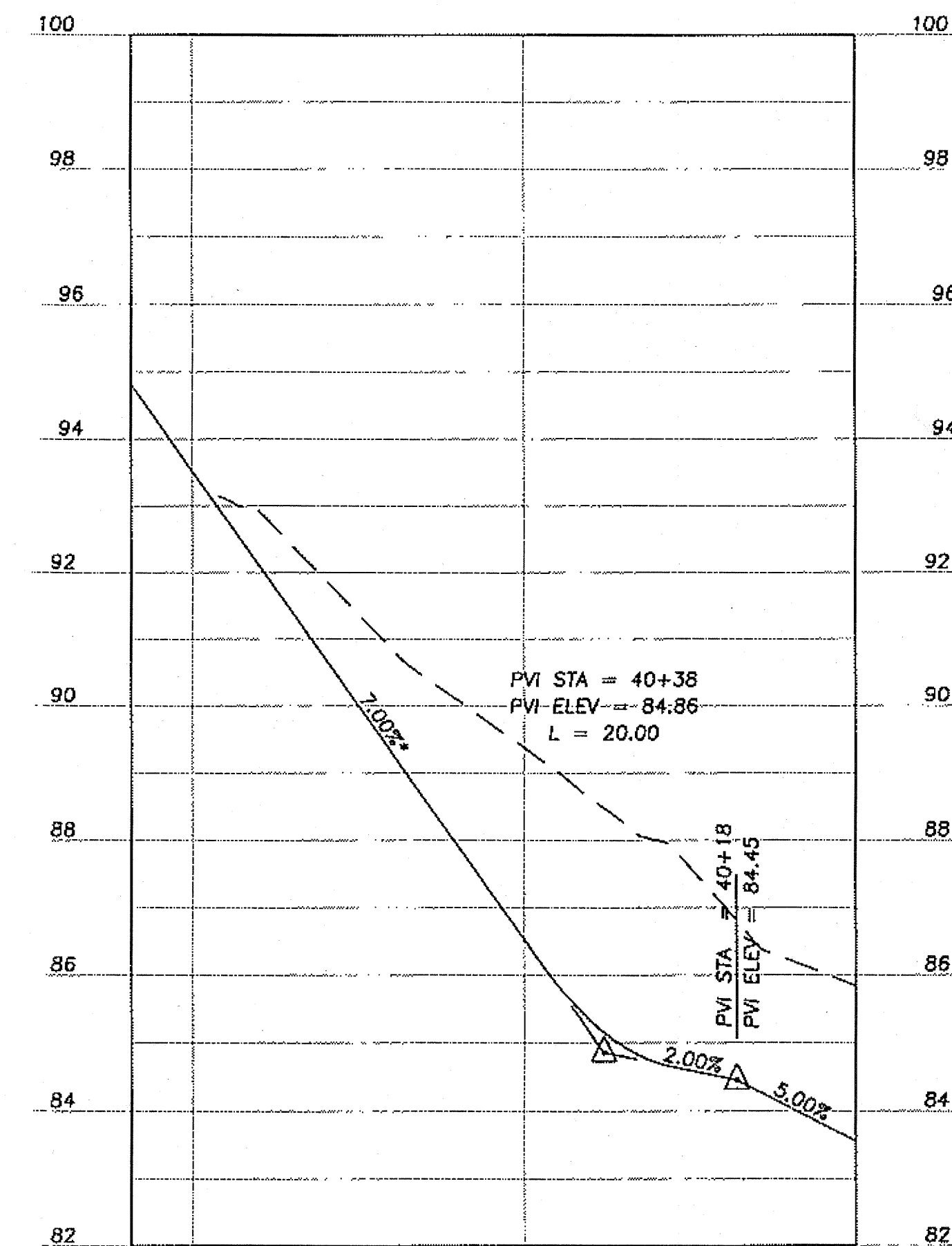
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

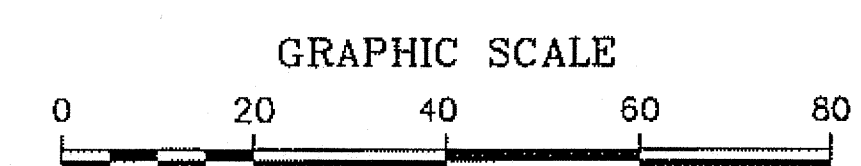
SHEET NUMBER	TOTAL SHEETS
E5	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Draws\C\Sheets\E05.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHHC 2004	
Sheet E 5 dated June 2009 Replaced by Sheet E 5 dated March 2010 - C.D. No.1	



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 APPROXIMATE LOCATIONS AND GRADES SHOWN ON THIS SHEET.



OCEAN VIEW DRIVE PROFILE



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

OCEAN VIEW DRIVE INTERSECTION

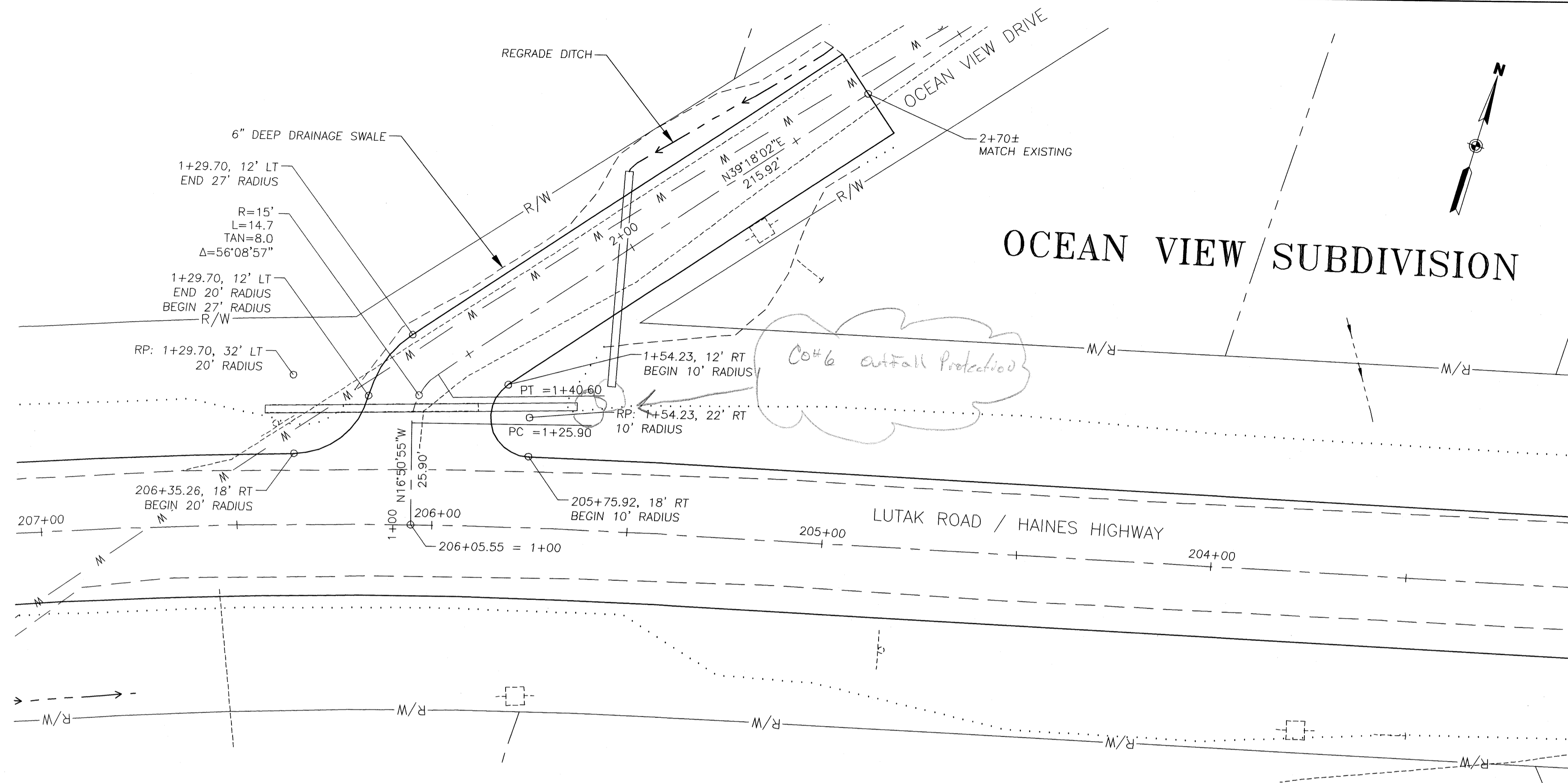
PREPARED BY: USKH INC.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as completed.
 Proj. Eng. *[Signature]* Date 7-11-09

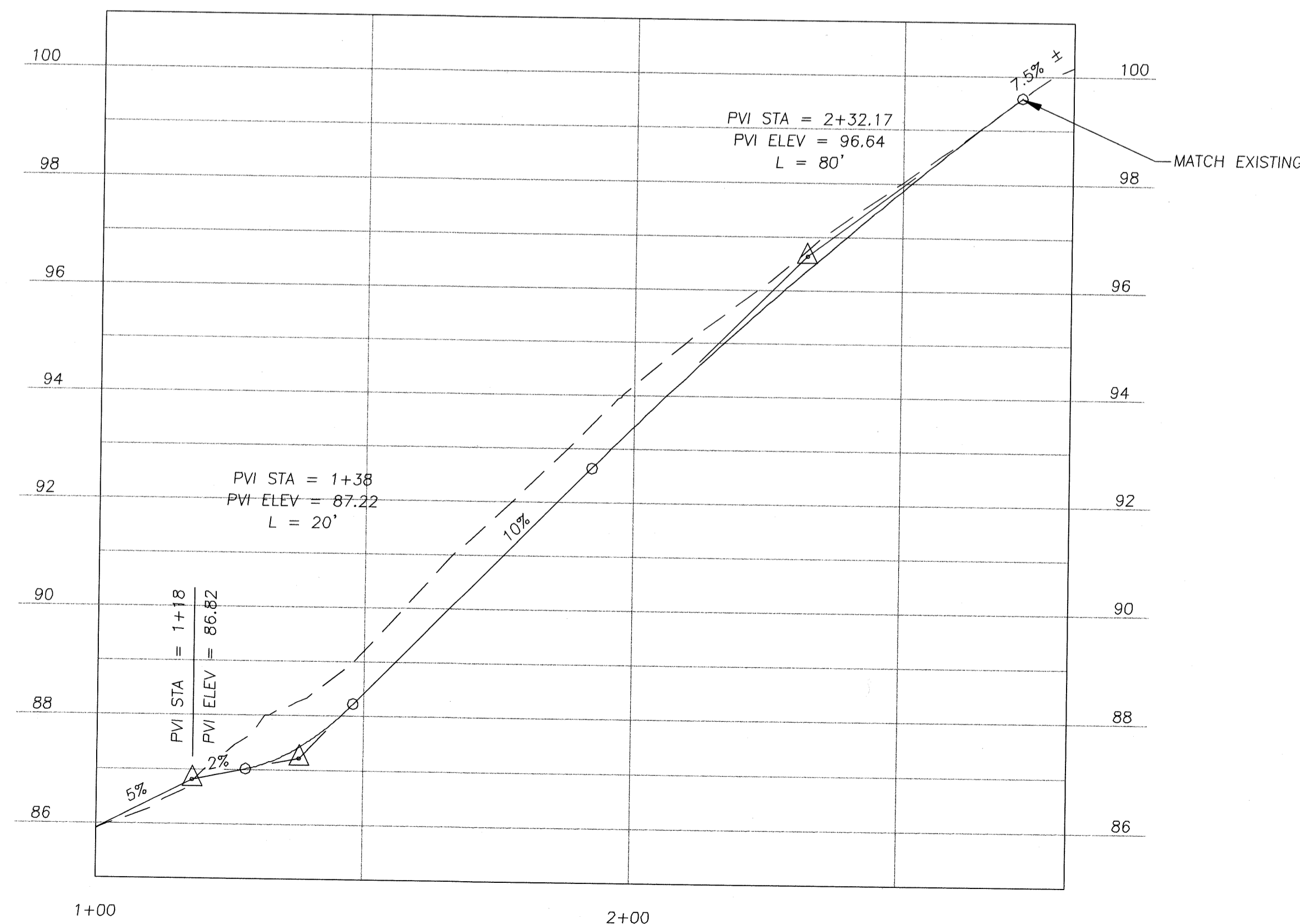


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

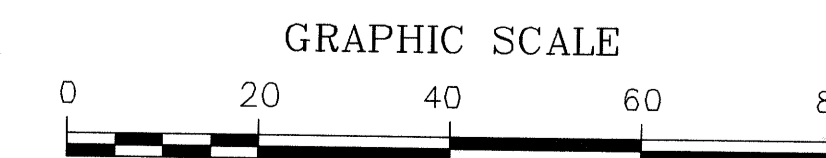
HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



1 OCEAN VIEW DRIVE
E5 STA. 1+00 TO STA. 2+72.17



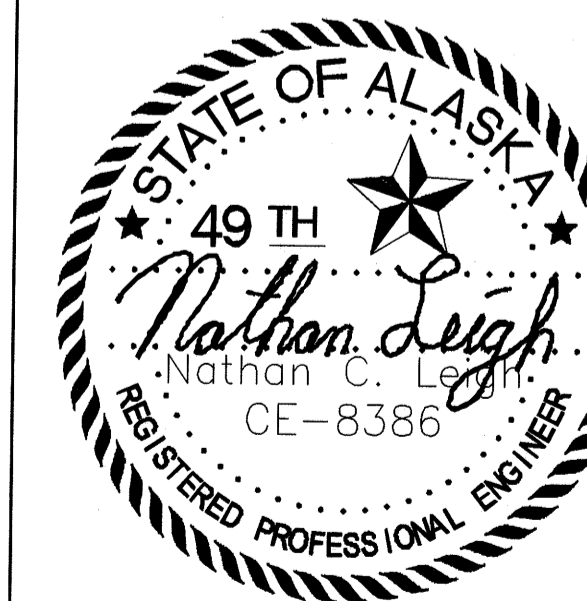
OCEAN VIEW DRIVE PROFILE



SHEET NUMBER	TOTAL SHEETS	
E5	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL KEB NCL		
ELECTRONIC PATHWAY:		
I:\562206\Drawings\C\Sheets\E05.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHHC 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
Δ 1	3-15-10	c.o. #1
PREPARED BY: USKH INC.		

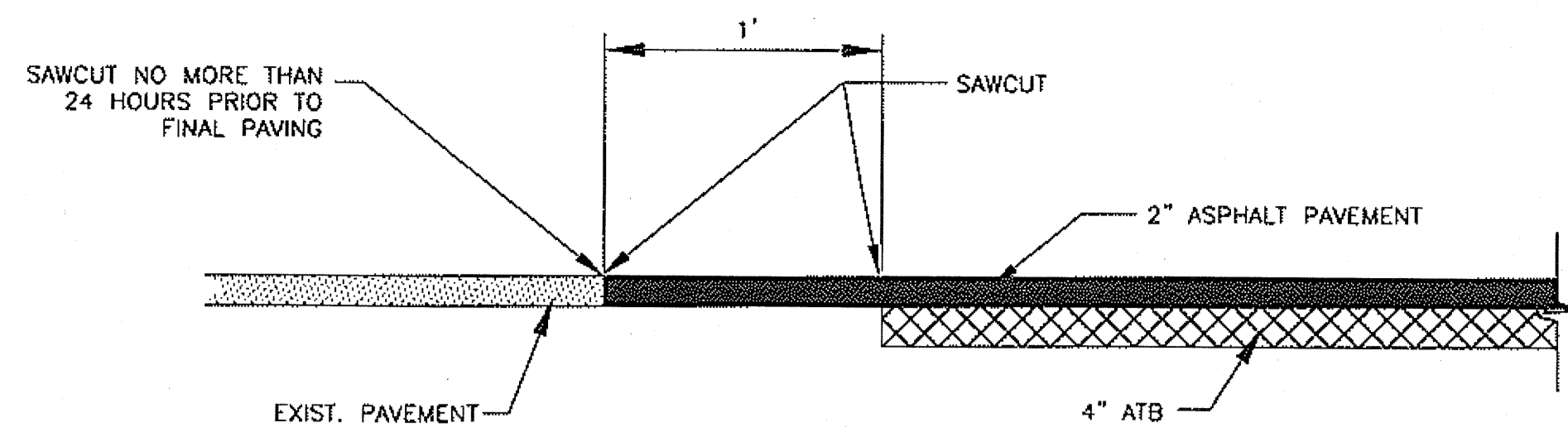
OCEAN VIEW DRIVE INTERSECTION

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. *M. M. M.* Date 7-1-12

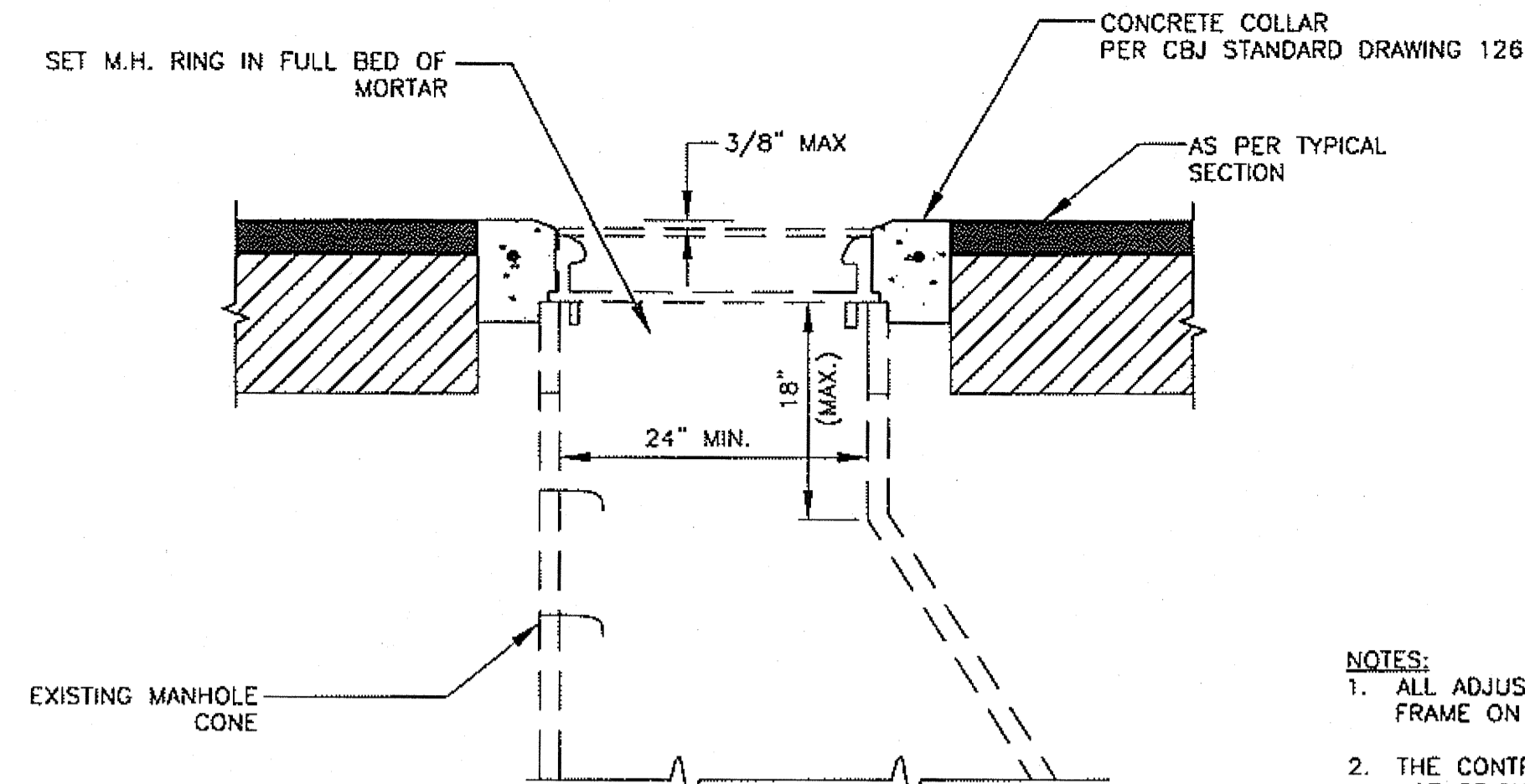
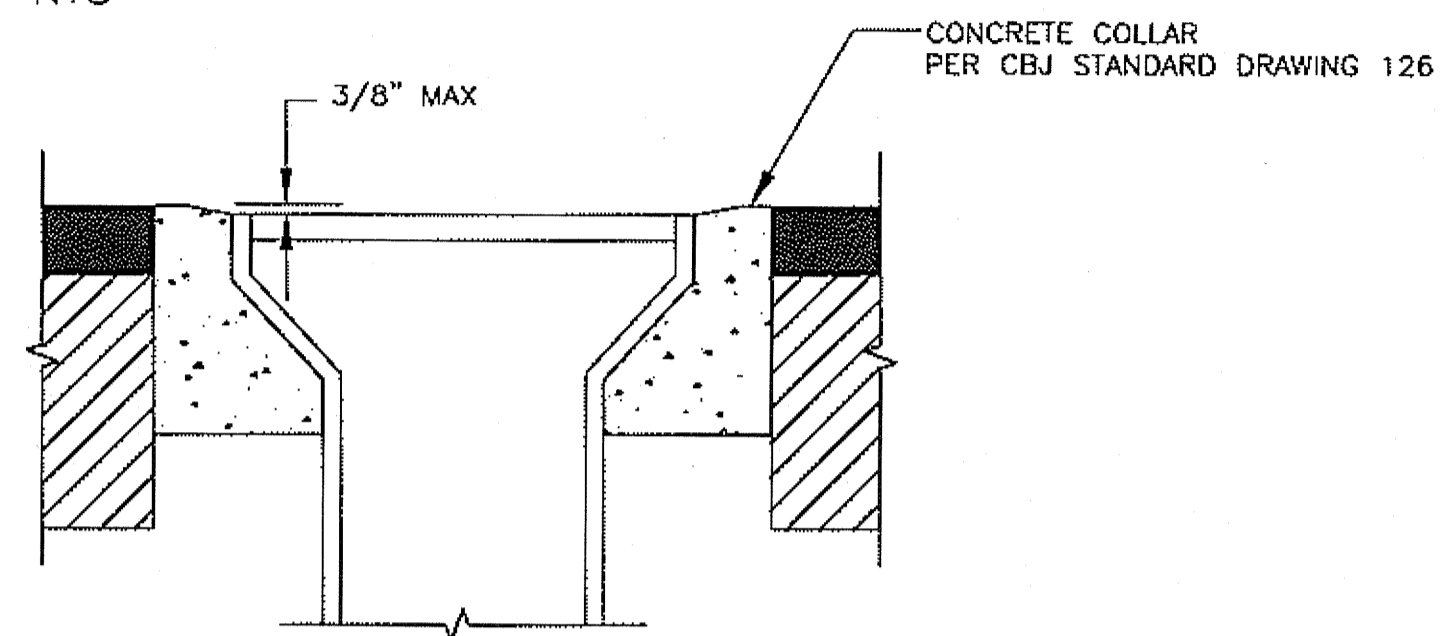


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



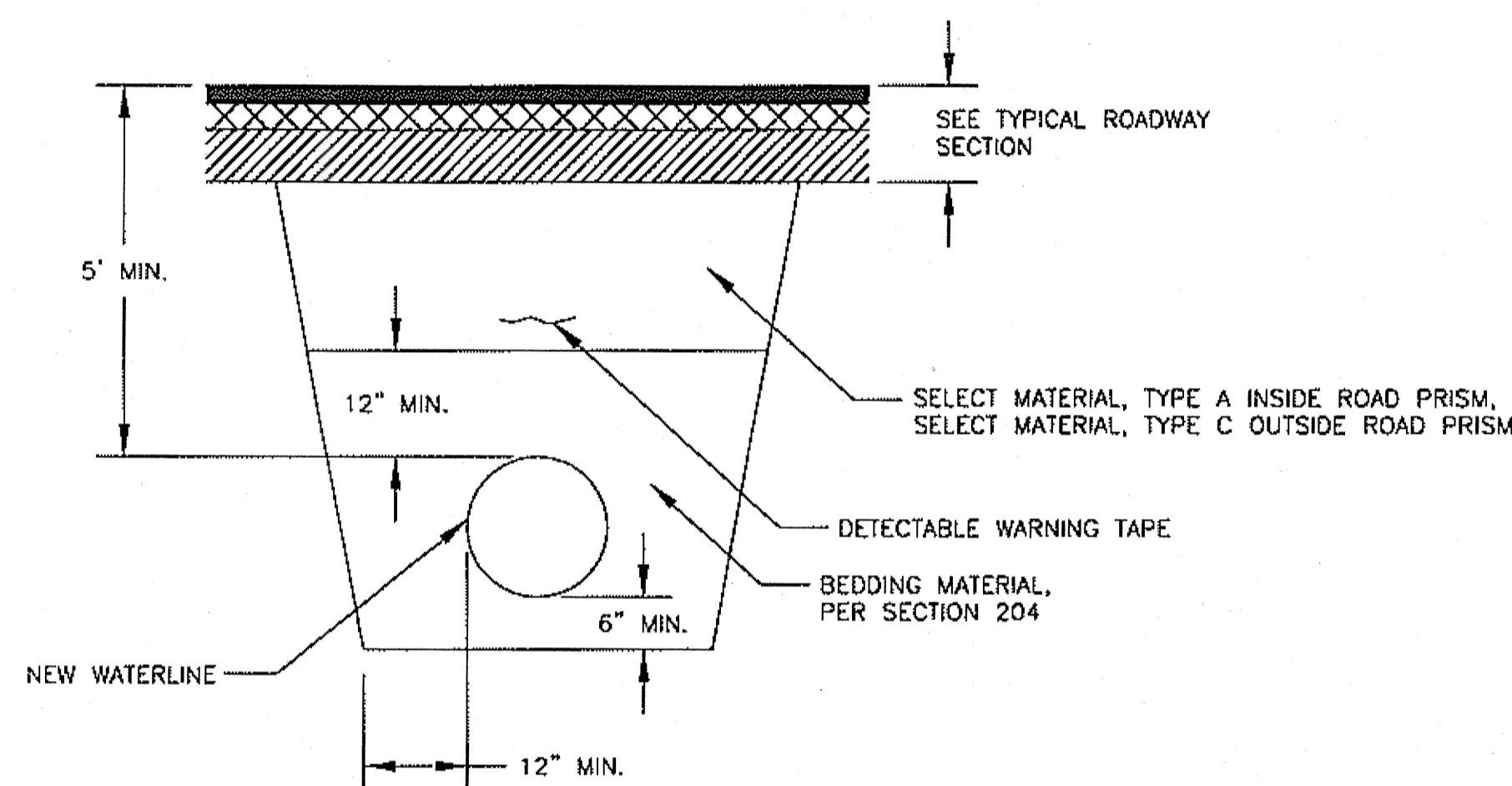
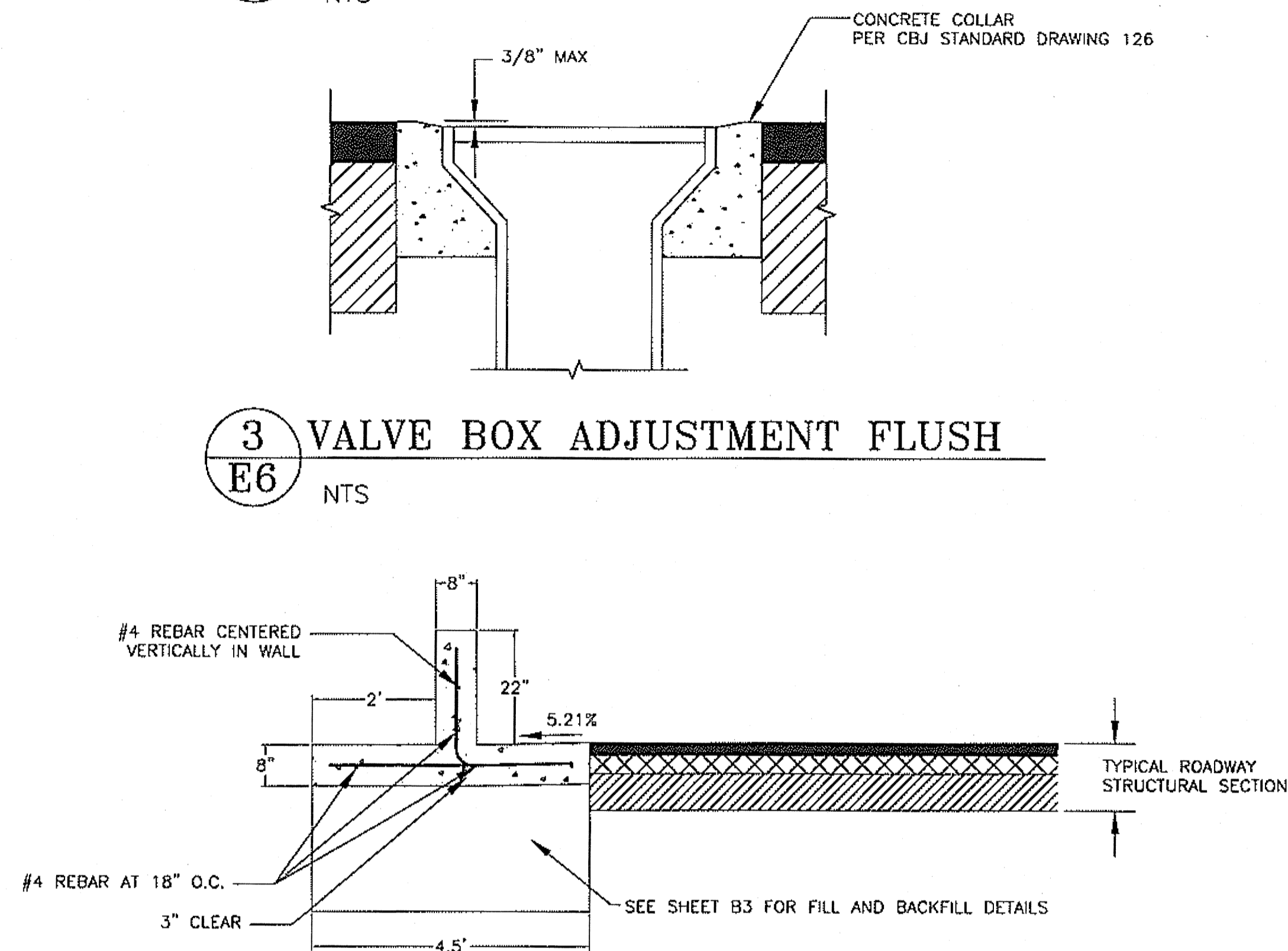
1 PAVEMENT MATCH JOINT DETAIL
E6 NTS



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.

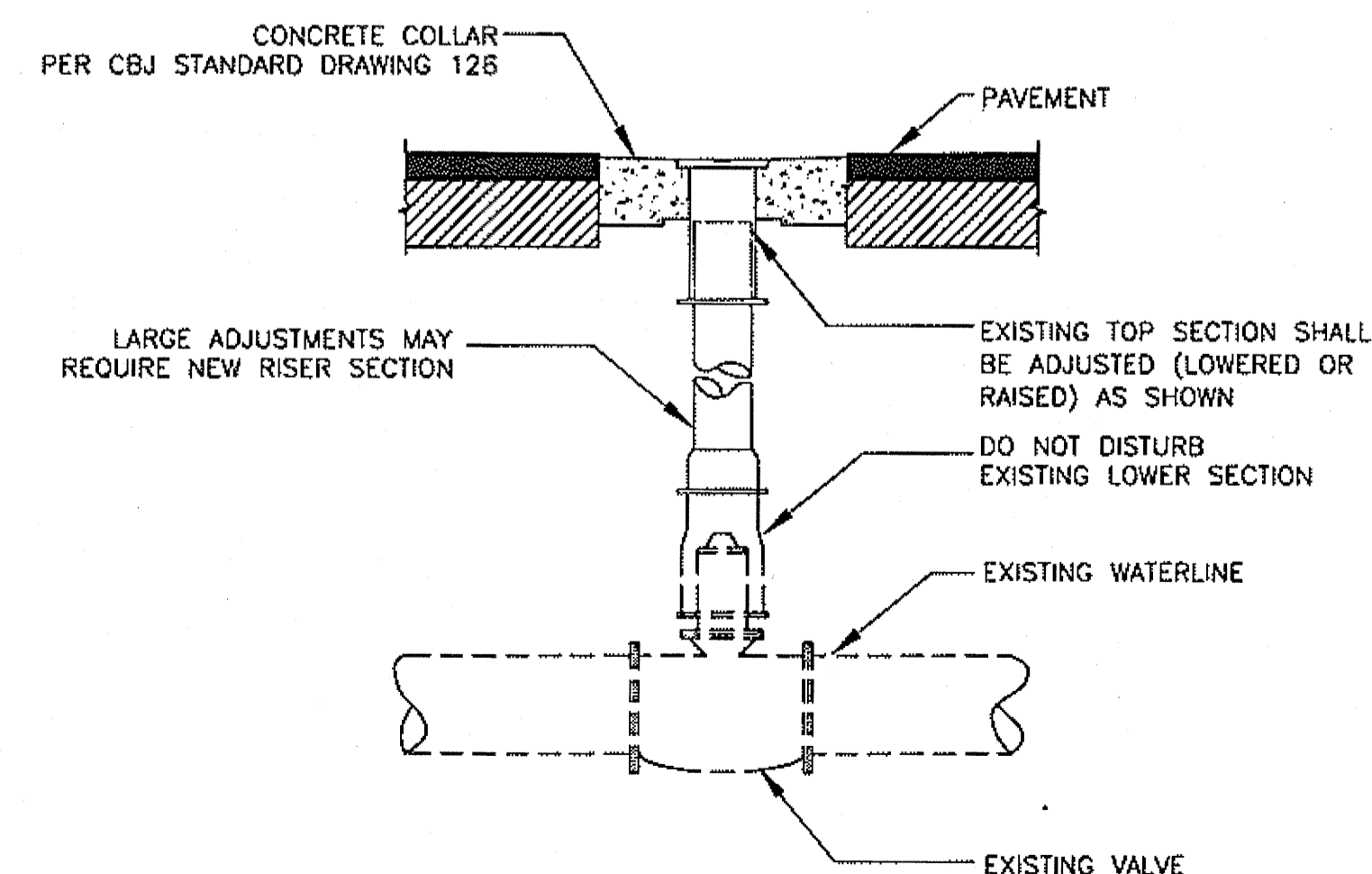
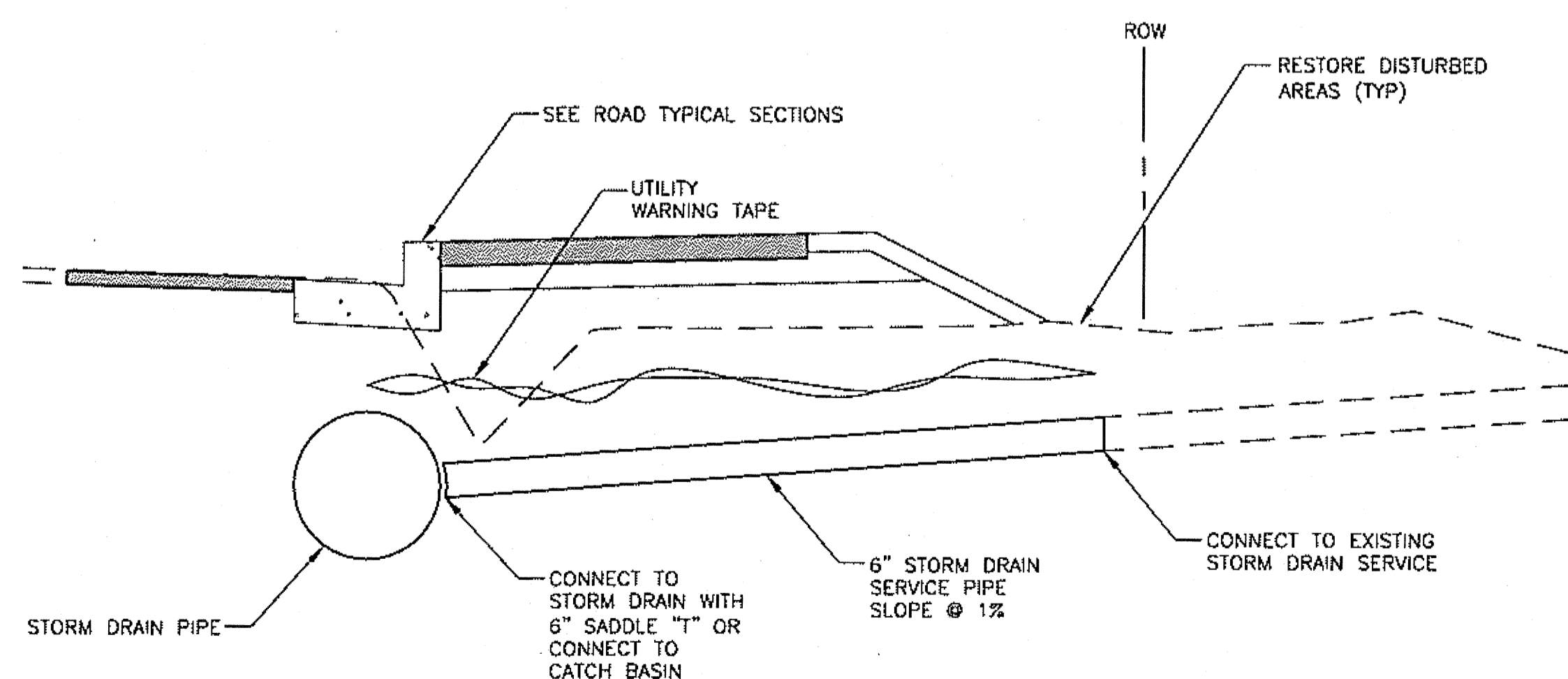
2 MANHOLE ADJUSTMENT
E6 NTS

3 VALVE BOX ADJUSTMENT FLUSH
E6 NTS



4 TYPICAL WATERLINE TRENCHING AND BEDDING DETAIL
E6

5 CURB TYPE RETAINING WALL DETAIL
E6 NTS



6 VALVE BOX ADJUSTMENT DETAIL
E6 NTS

7 STORM DRAIN SERVICE
E6 NTS

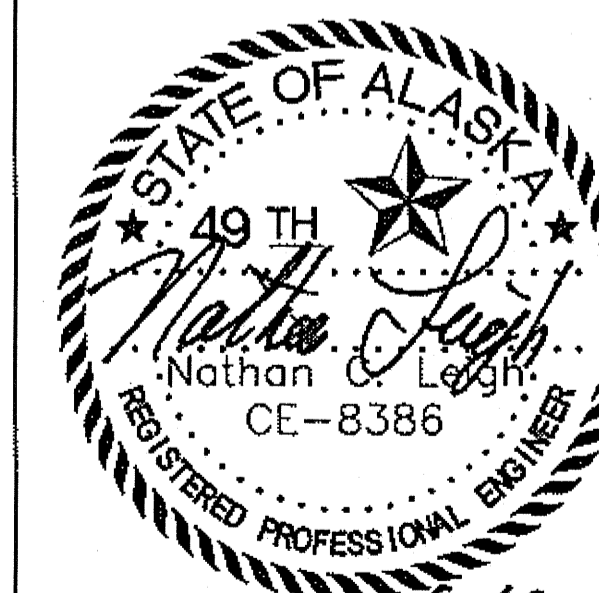
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SHEET NUMBER	TOTAL SHEETS
E6	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:_562205\Drawg\C\Sheets\E06.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

MISCELLANEOUS
DETAILS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as completed.
Proj. Eng. *[Signature]* Date 7-1-09



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

SHEET NUMBER TOTAL SHEETS

F1 28

STATE YEAR

ALASKA 2009

PROJECT DESIGNATION NUMBERS

ARRA-0956(032) - NO 68948

ADDENDUM NUMBER

ATTACHMENT NUMBER

DESIGNED BY: DRAWN BY: CHECKED BY:

NCL KEB NCL

ELECTRONIC PATHWAY:

H:\562205\Draws\C\Sheets\F01.dwg

EDTIME

JUNE, 2009

STANDARDS:

REHABILITATION 3R

SPECIFICATIONS:

SSHC 2004

Sheet F1 dated June 2009

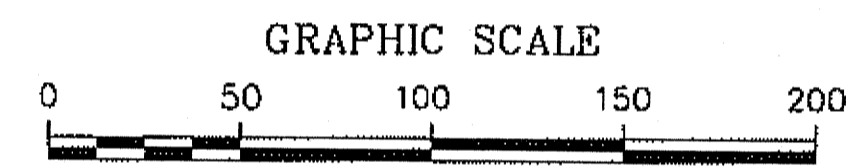
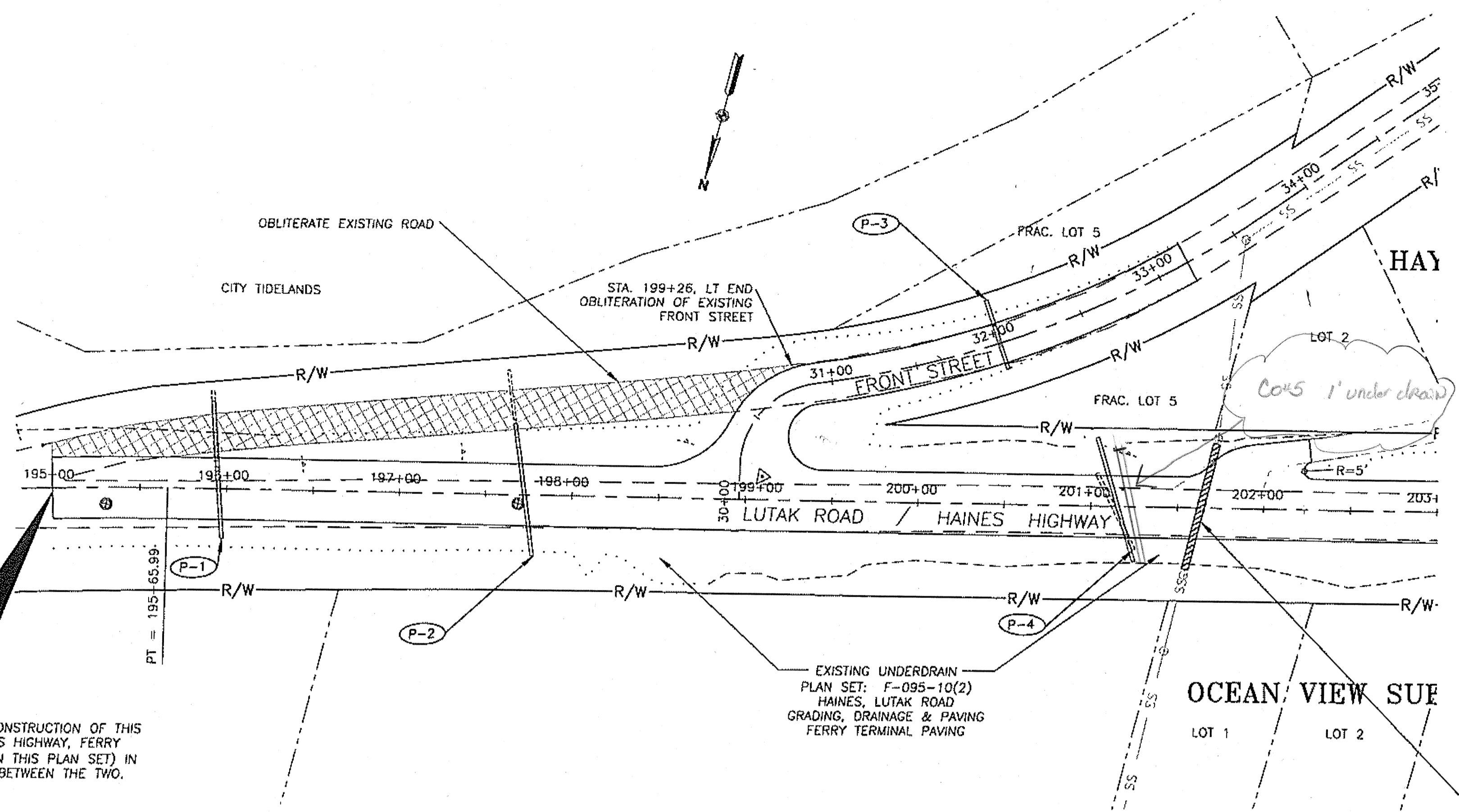
Replaced by Sheet F1 dated

March 2010 - C.O. No.1

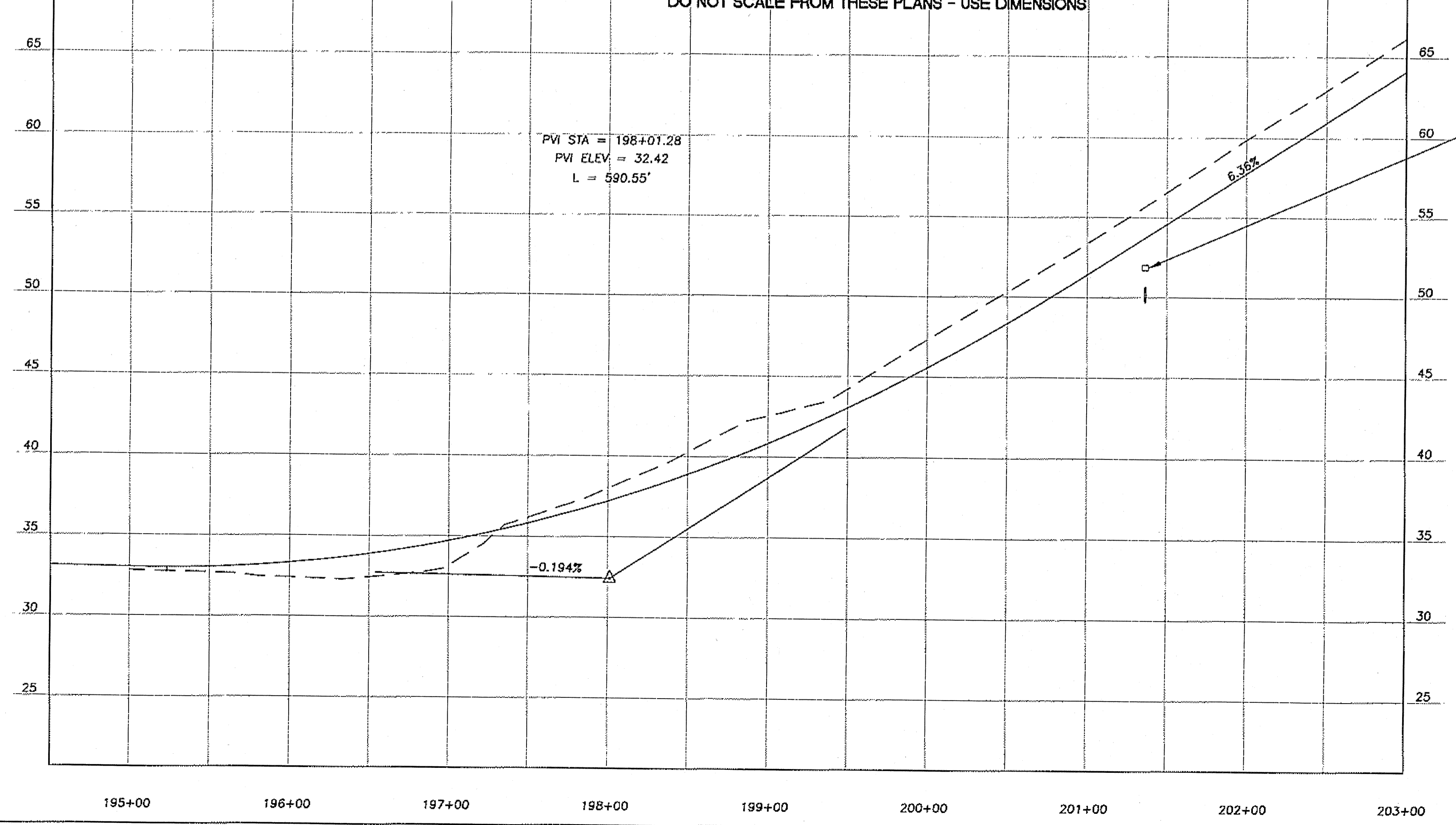
PREPARED BY: USKH INC.

STA. 195+00
START PROJECT

NOTE:
THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THIS PROJECT WITH THE CONSTRUCTION OF HAINES HIGHWAY, FERRY TERMINAL TO BEACH ROAD (FRONT STREET IN THIS PLAN SET) IN ORDER TO PRODUCE A SMOOTH TRANSITION BETWEEN THE TWO.



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



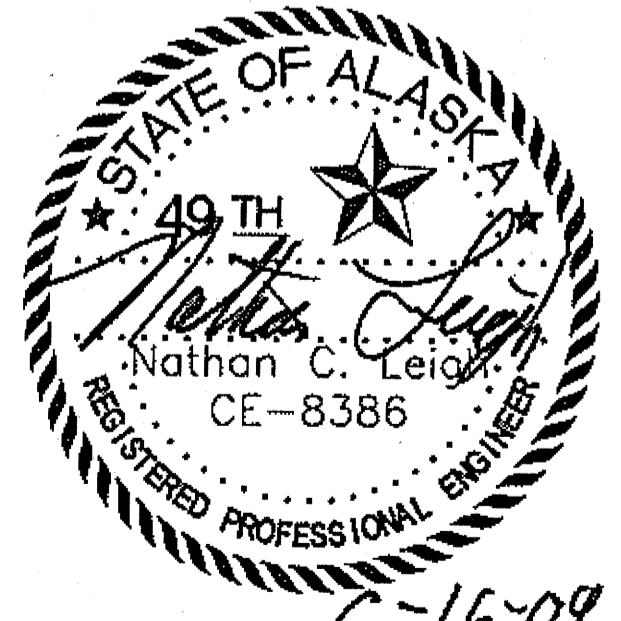
EARTHWORK ESTIMATE	
EXCAVATION	6,400 CUBIC YARDS
FILL	4,600 CUBIC YARDS

INSTALL 4" INSULATION 4' WIDE
12" ABOVE EXISTING SEWER
LINE BETWEEN HAINES HIGHWAY
STA. 201+55.0, 35.9R AND
STA. 201+72.4, 37.5L

PLAN
AND
PROFILE

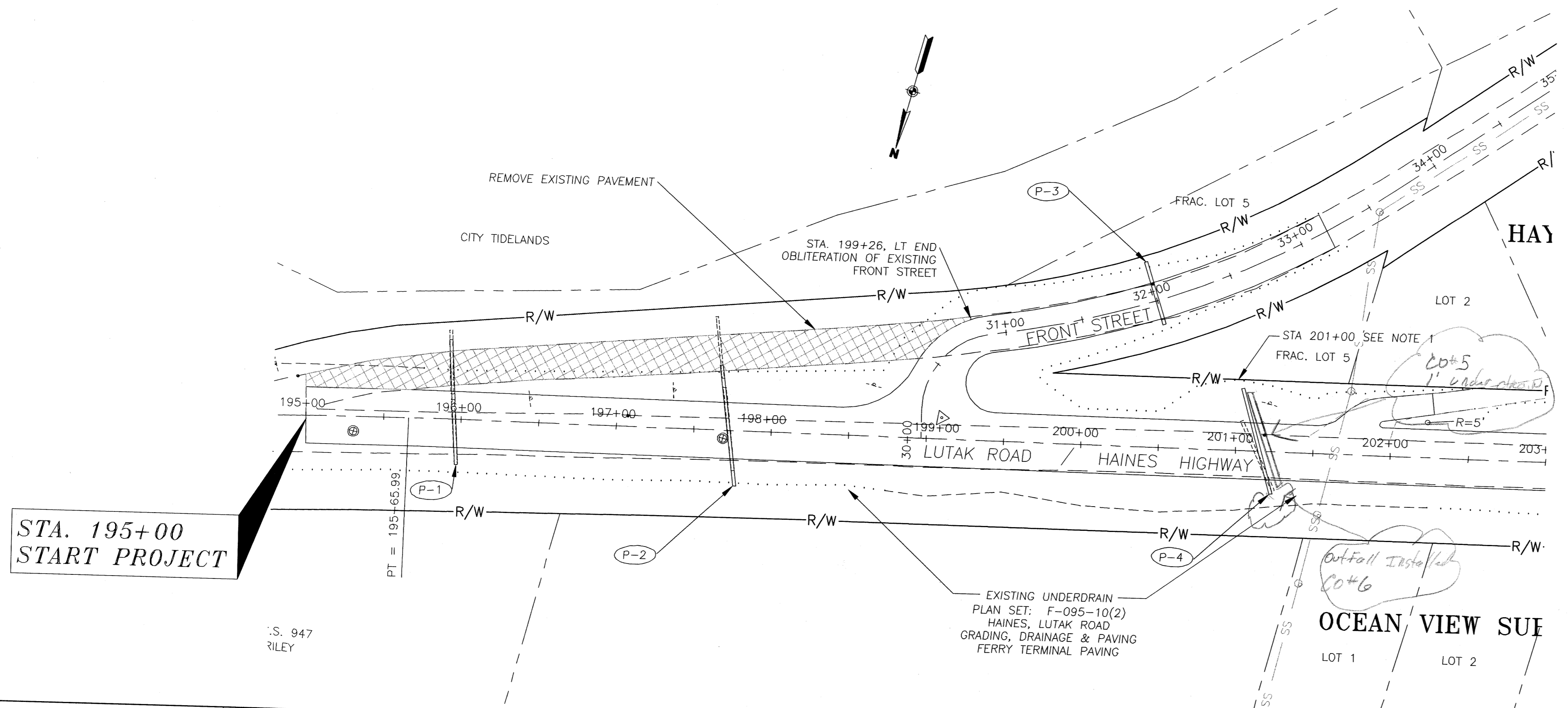
B.O.P.
TO
STATION 203+00

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as completed.
Proj. Eng. *Nathan C. Leigh* Date 7-1-09



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

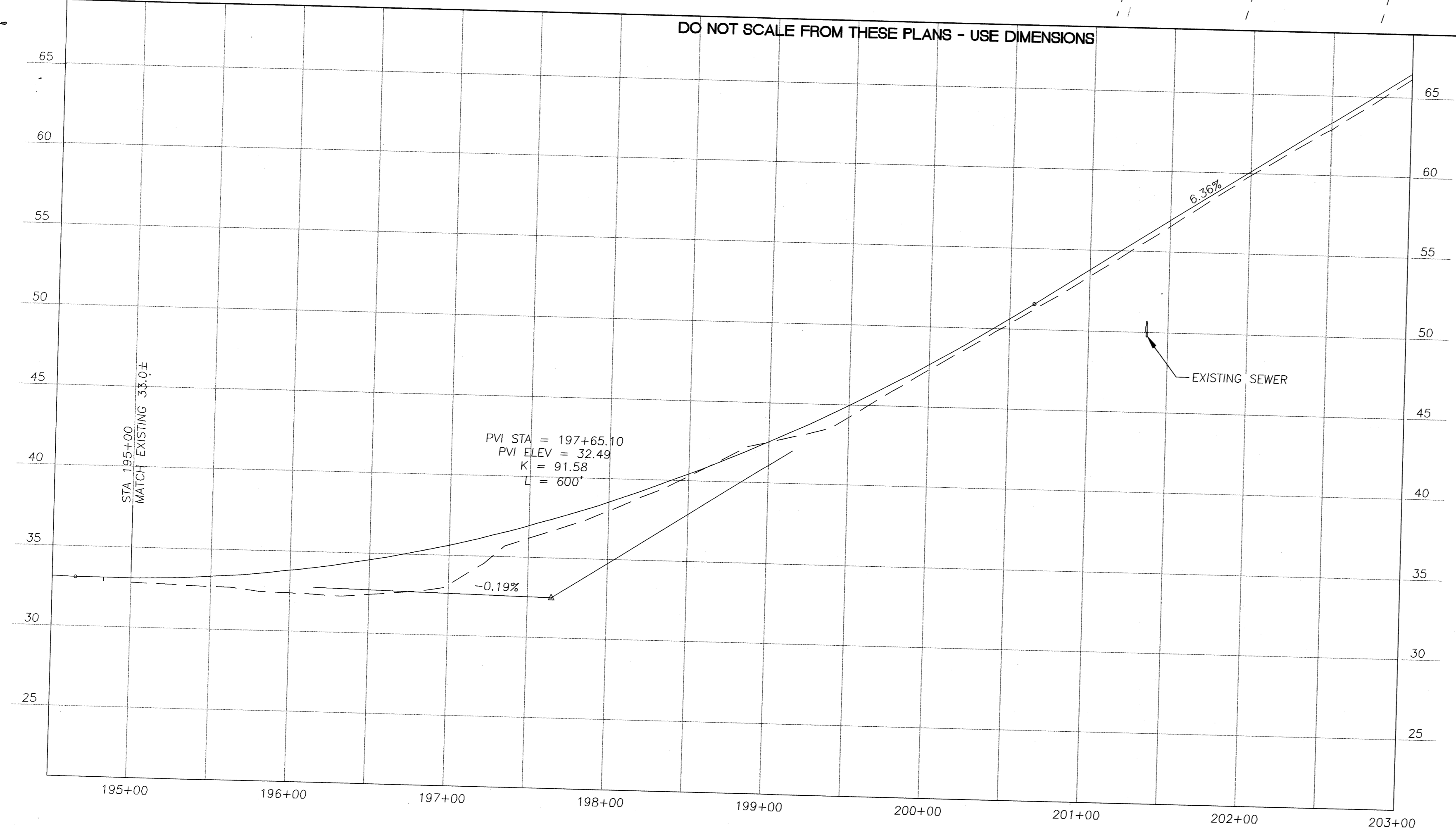
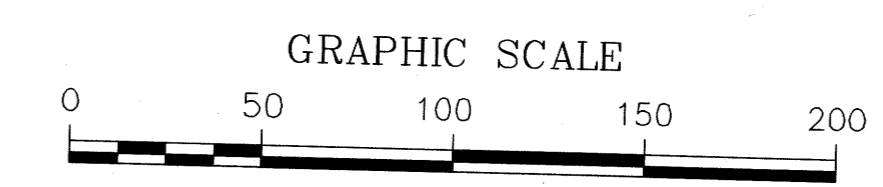


STA. 195+00
START PROJECT

S. 947
RILEY

EXISTING UNDERDRAIN
PLAN SET: F-095-10(2)
HAINES, LUTAK ROAD
GRADING, DRAINAGE & PAVING
FERRY TERMINAL PAVING

OCEAN VIEW SUE
LOT 1 LOT 2



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

NOTE:
1. MAY NEED TO FIELD ADJUST SHOULDER WIDTH/FILL SLOPE TO KEEP PROJECT INSIDE ROW. CONTRACTOR TO SLOPE STAKE FILL SLOPE AND ADJUST AS DIRECTED BY THE ENGINEER.

SHEET NUMBER	TOTAL SHEETS	
F1	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
NCL WJP NCL		
ELECTRONIC PATHWAY:		
I:\562206\Dwgs\C\Sheets\F01.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	C.O. #1
PREPARED BY: USKH INC.		

PLAN
AND
PROFILE

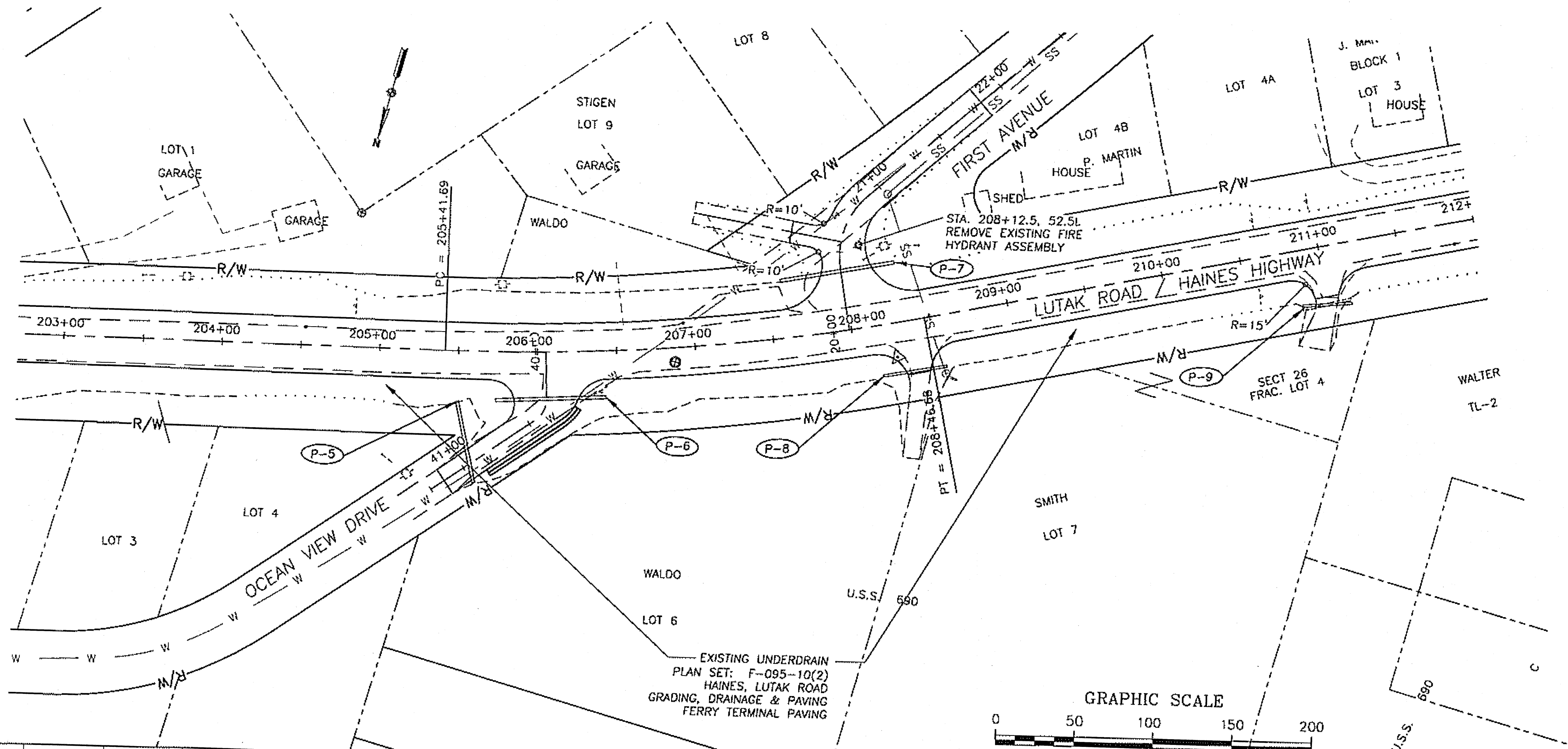
B.O.P.
TO
STATION 203+00

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. *Nathan C. Leigh* Date 7-11-12

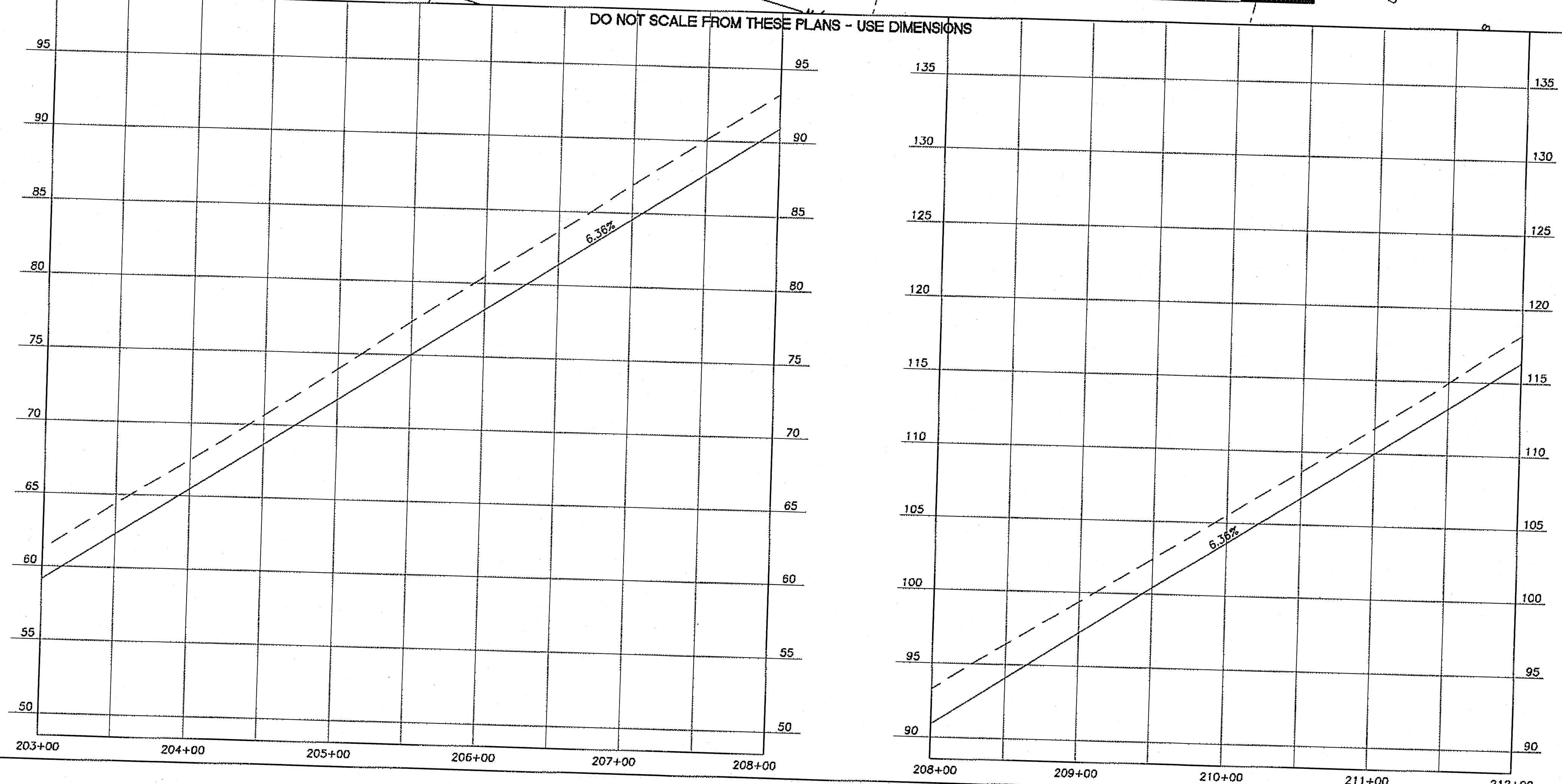


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)



SHEET NUMBER	TOTAL SHEETS
F2	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
AP	KEB NCL
ELECTRONIC PATHWAY:	
I:\562205\Dwgs\C\Sheets\F02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	
Sheet F2 dated June 2009	
Replaced by Sheet F2 dated	
March 2010 - C.D. No. 1	
PREPARED BY: USKH INC.	

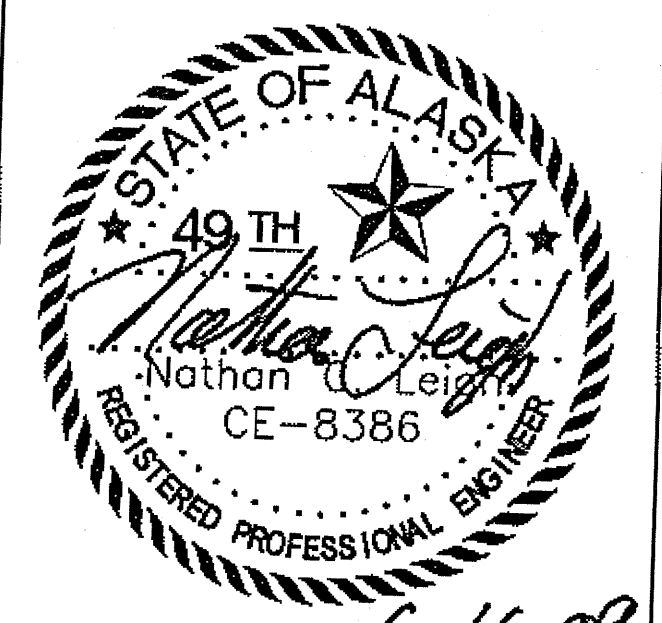


EARTHWORK ESTIMATE	
EXCAVATION	8,000 CUBIC YARDS
FILL	4,100 CUBIC YARDS

PLAN AND PROFILE

STATION 203+00
TO
STATION 212+00

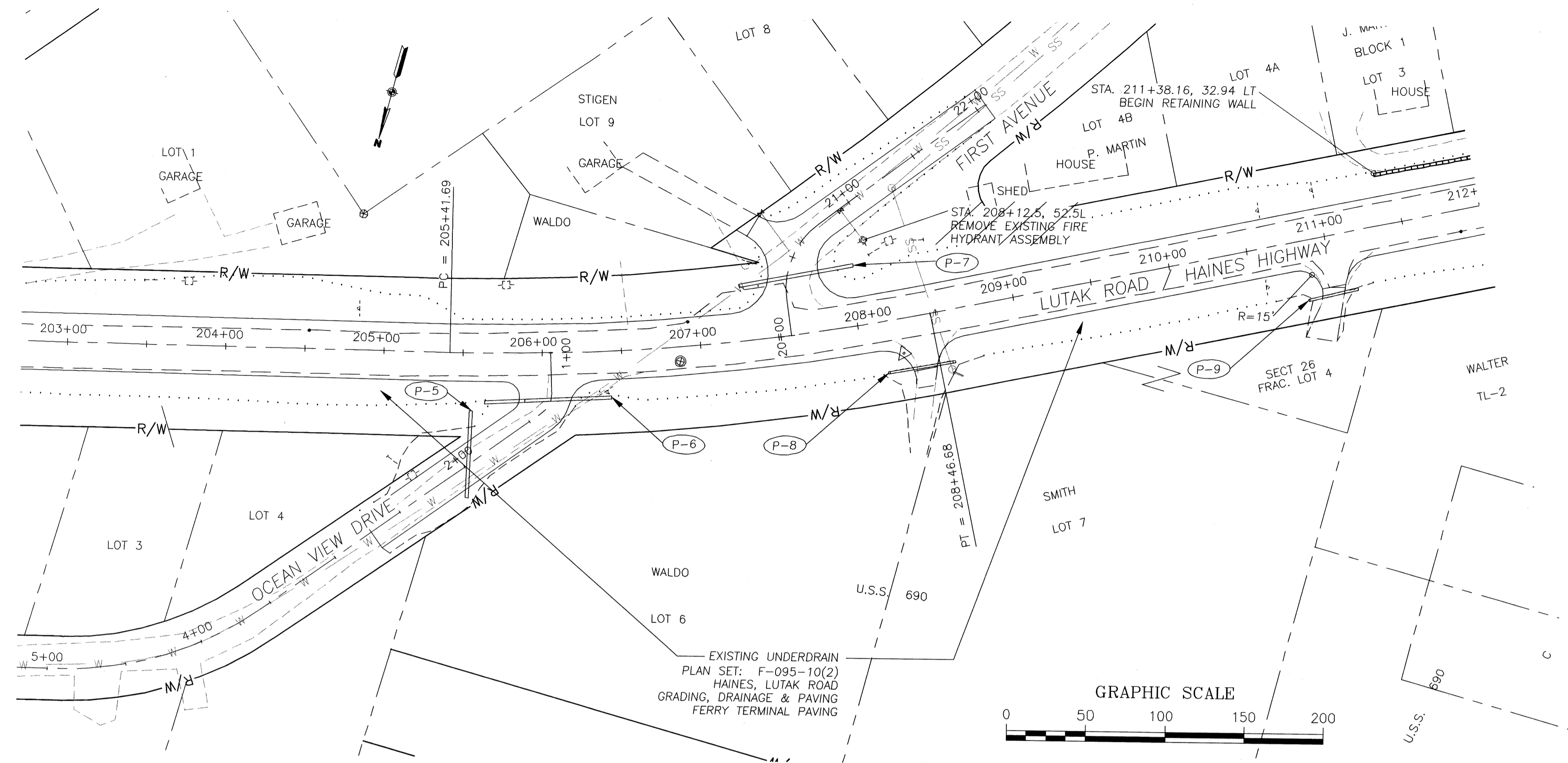
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *Nathan Leigh* Date 7-1-12



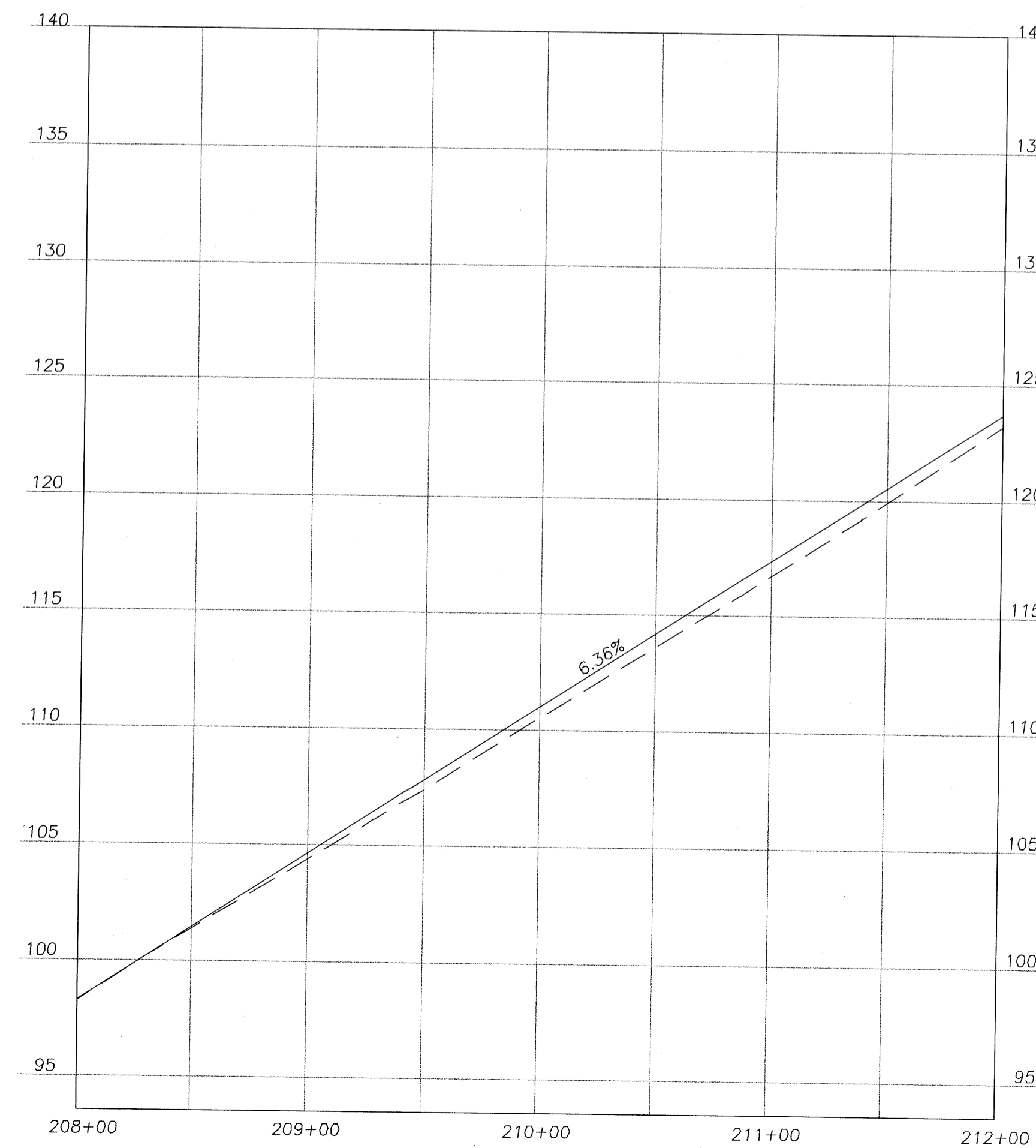
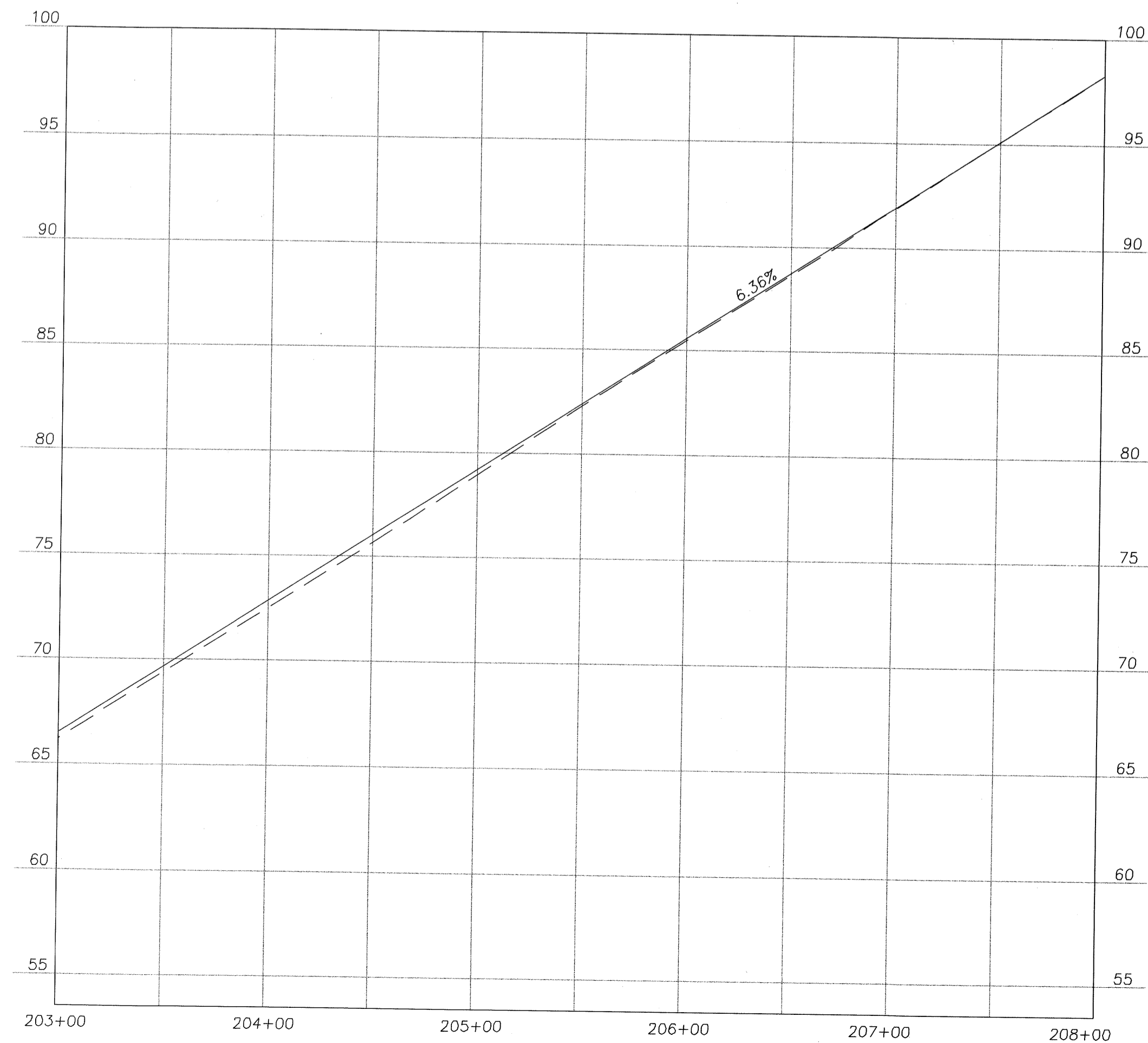
6-16-09

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

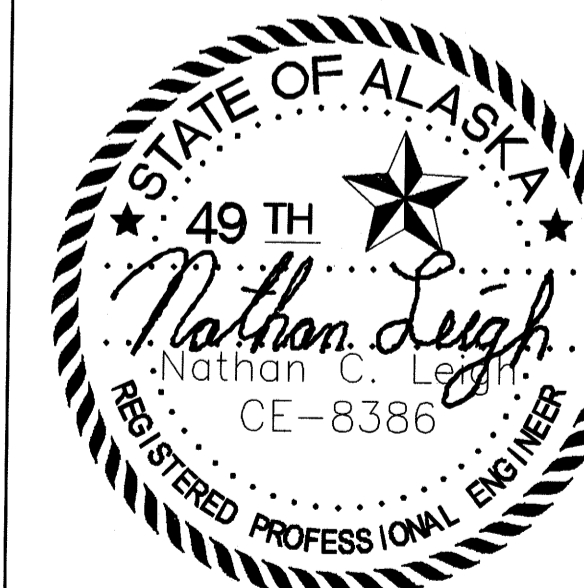


SHEET NUMBER	TOTAL SHEETS	
F2	28	
STATE	YEAR	
ALASKA	2010	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
AP	WJP NCL	
ELECTRONIC PATHWAY:		
I:\562206\Dwgs\C\Sheets\F02.dwg		
EDTIME		
MARCH, 2010		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHG 2004		
RECORD OF REVISIONS:		
NO.	DATE	DESCRIPTION
1	3-15-10	C.O. #1
PREPARED BY: USKH INC.		

PLAN AND PROFILE

STATION 203+00
TO
STATION 212+00

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. *W. Leigh* Date: 7-4-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

SHEET NUMBER	TOTAL SHEETS
F3	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	

**STA. 223+54
END PROJECT**

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

ELECTRONIC PATHWAY:
I:\562205\Draws\C\Sheets\F03.dwg

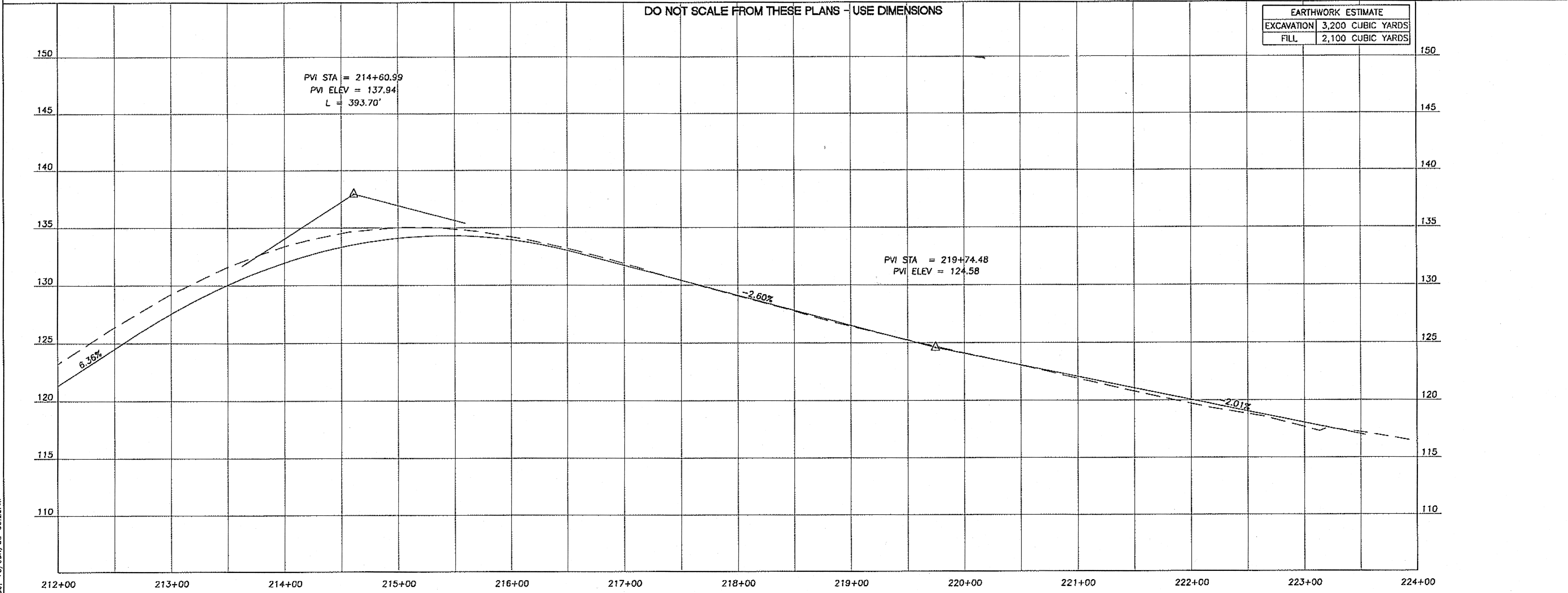
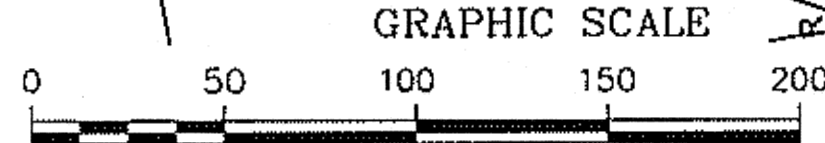
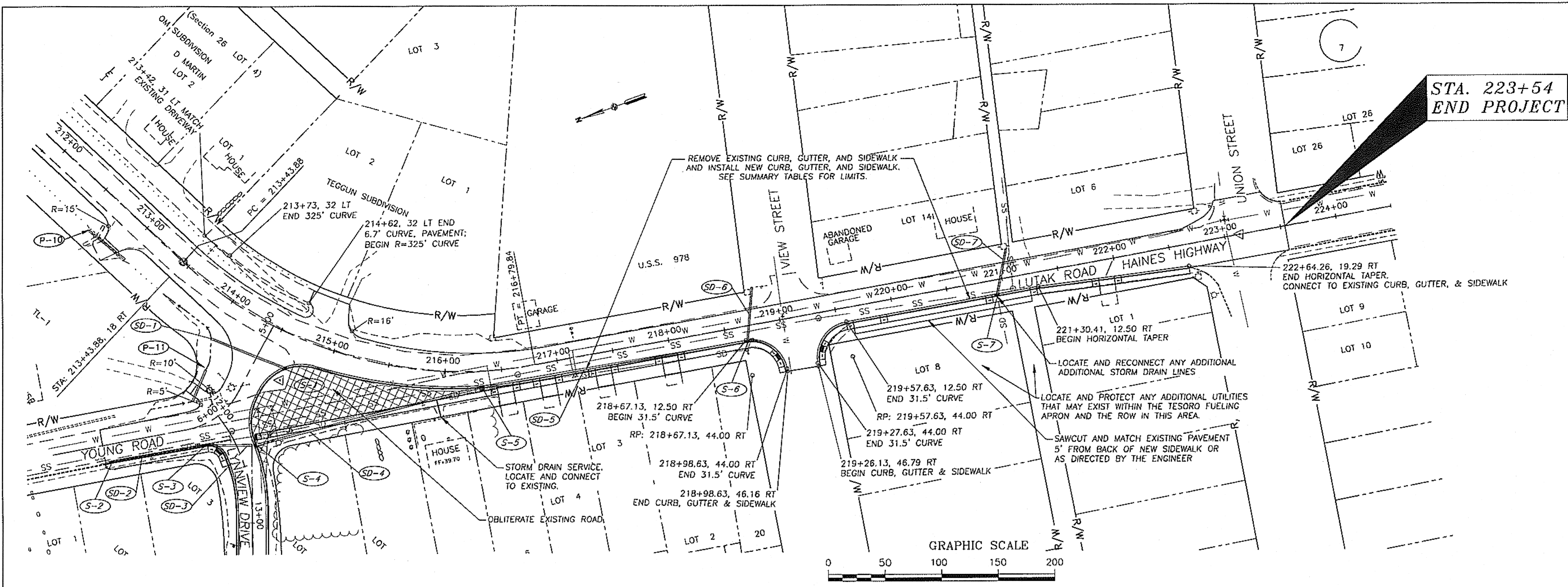
EDTIME
JUNE, 2009

STANDARDS:
REHABILITATION 3R

SPECIFICATIONS:
SSH 2004

Sheet F3 dated June 2009
Replaced by Sheet F3 dated
March 2010 - C.O. No.1

PREPARED BY: USKH INC.



EARTHWORK ESTIMATE	
EXCAVATION	3,200 CUBIC YARDS
FILL	2,100 CUBIC YARDS

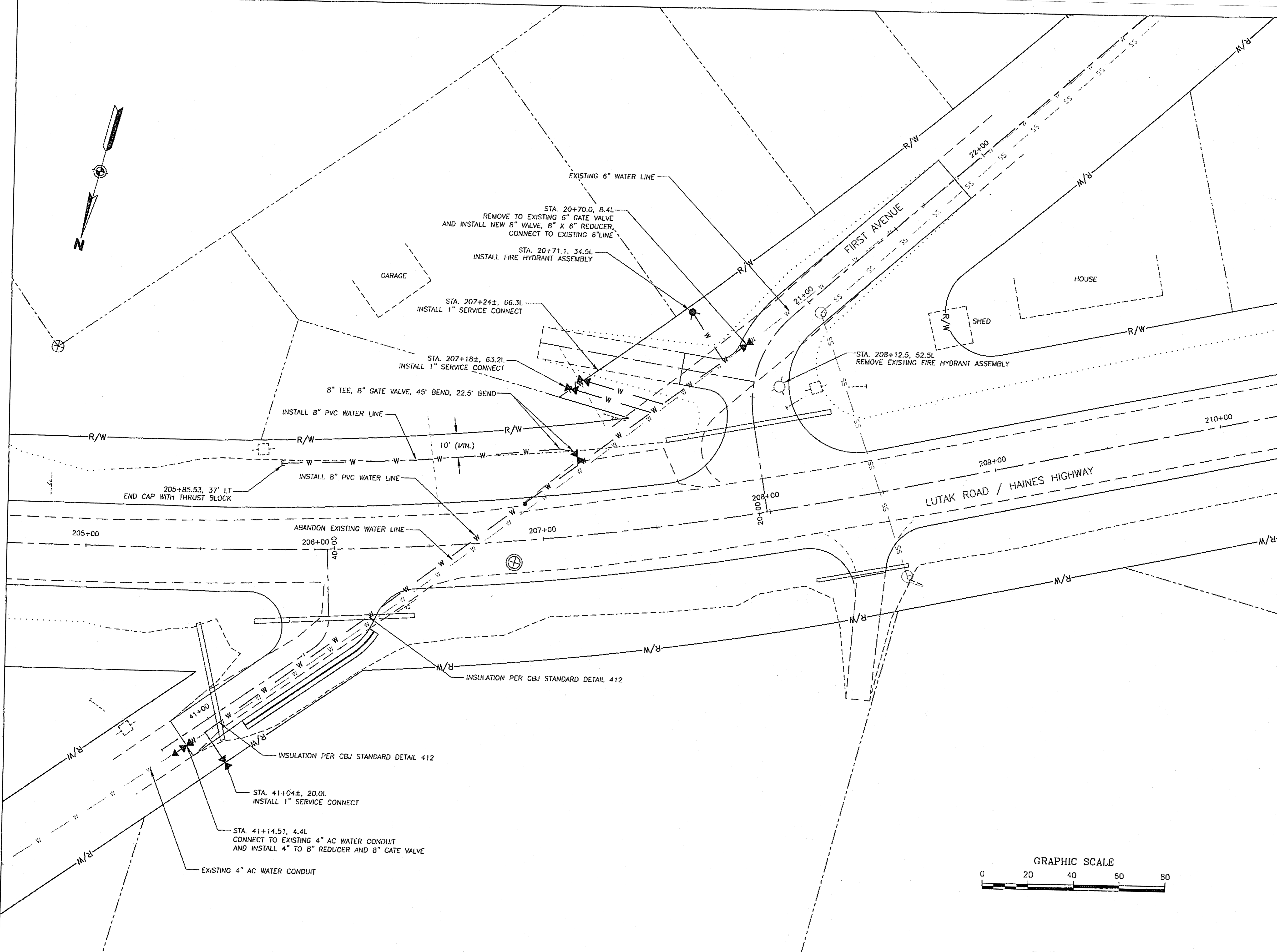
PLAN AND PROFILE
STATION 212+00 TO E.O.P.

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 7-11-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)



SHEET NUMBER	TOTAL SHEETS
G1	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Drawings\C\Sheets\G01.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

Sheet G1 dated June 2009
 Replaced by Sheet G1 dated
 March 2010 - C.O. No.1

PREPARED BY: USKH INC.

ADD ALT. 1

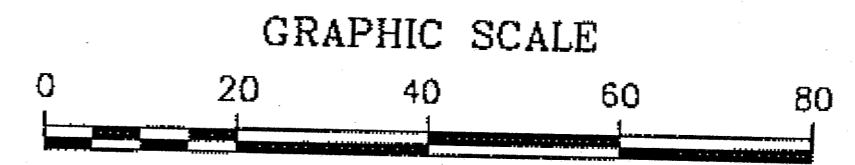
WATERLINE SERVICE UPGRADES

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 7-11-12



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

Tue, 16 Jun 09 09:25AM

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

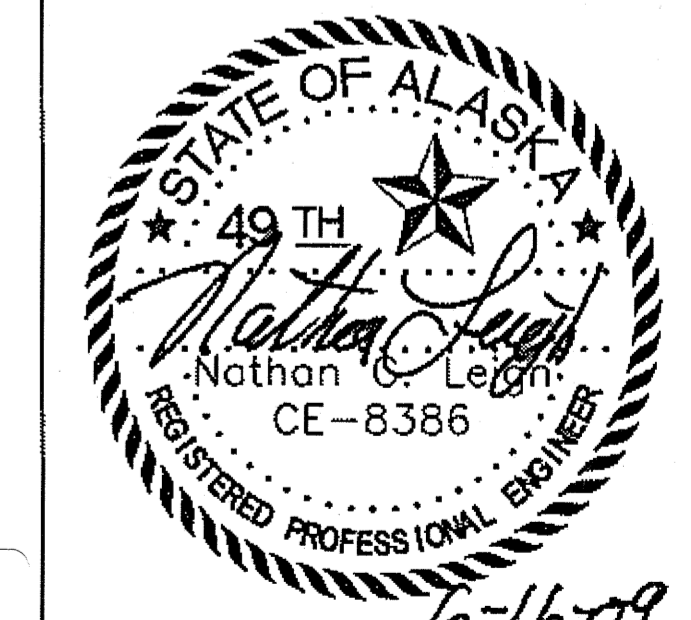
SEE SHEET 13 FOR SIGNING NOTES.

SHEET NUMBER	TOTAL SHEETS
11	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Dwg\C\Sheets\01.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

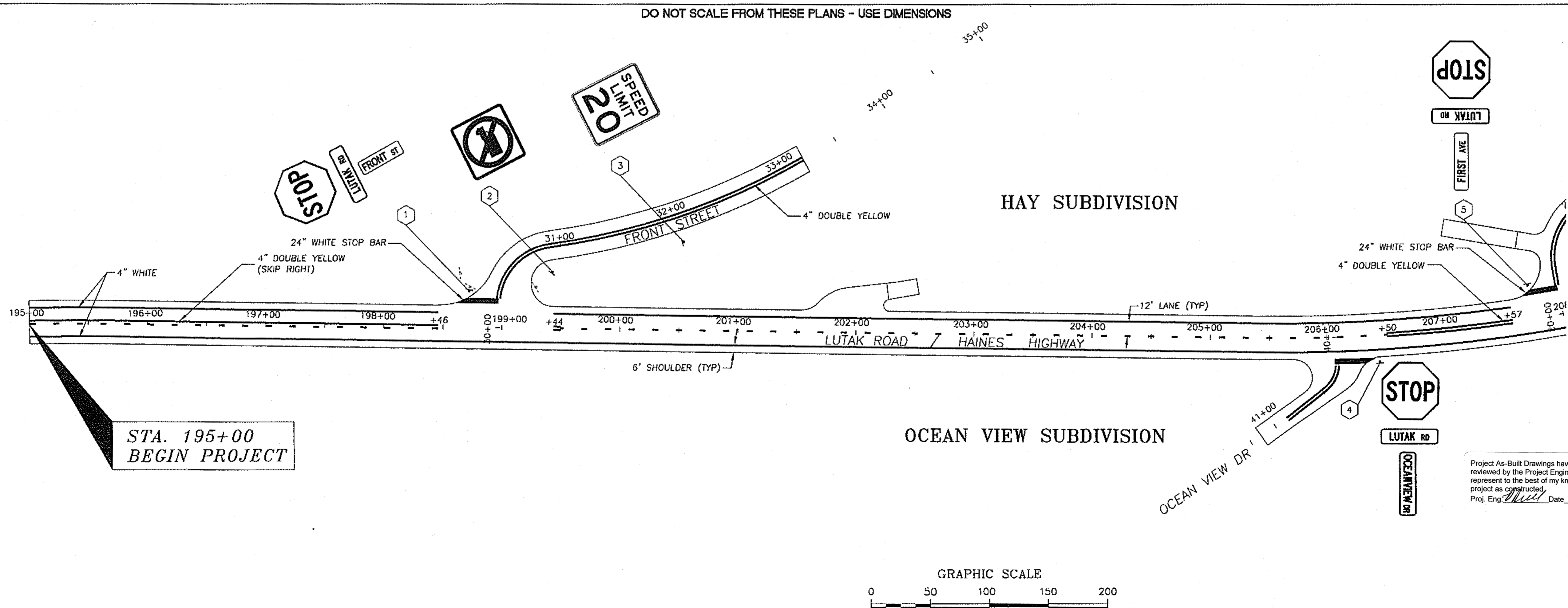
SIGNING & STRIPING & ILLUMINATION PLANS

STATION 195+00 TO STATION 218+00



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)



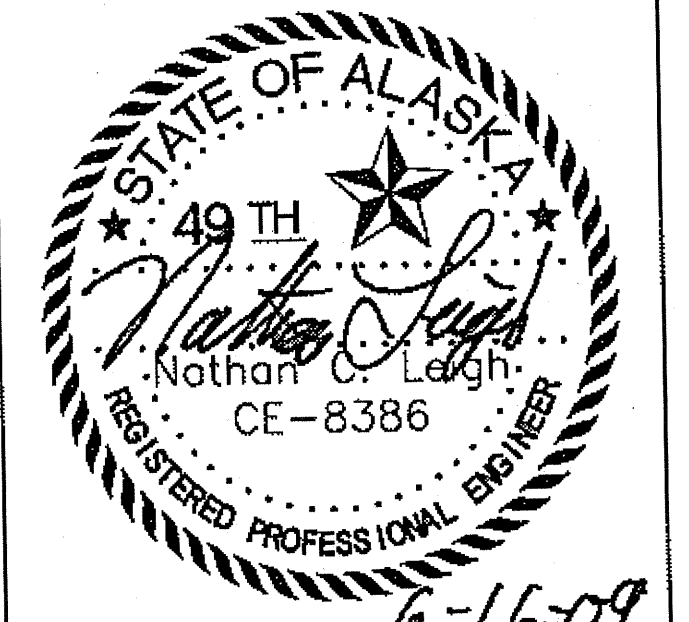
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 Proj. Eng. *[Signature]* Date 7-1-09

SHEET NUMBER	TOTAL SHEETS
12	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Draws\C\Sheets\02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

SIGNING & STRIPING & ILLUMINATION PLANS

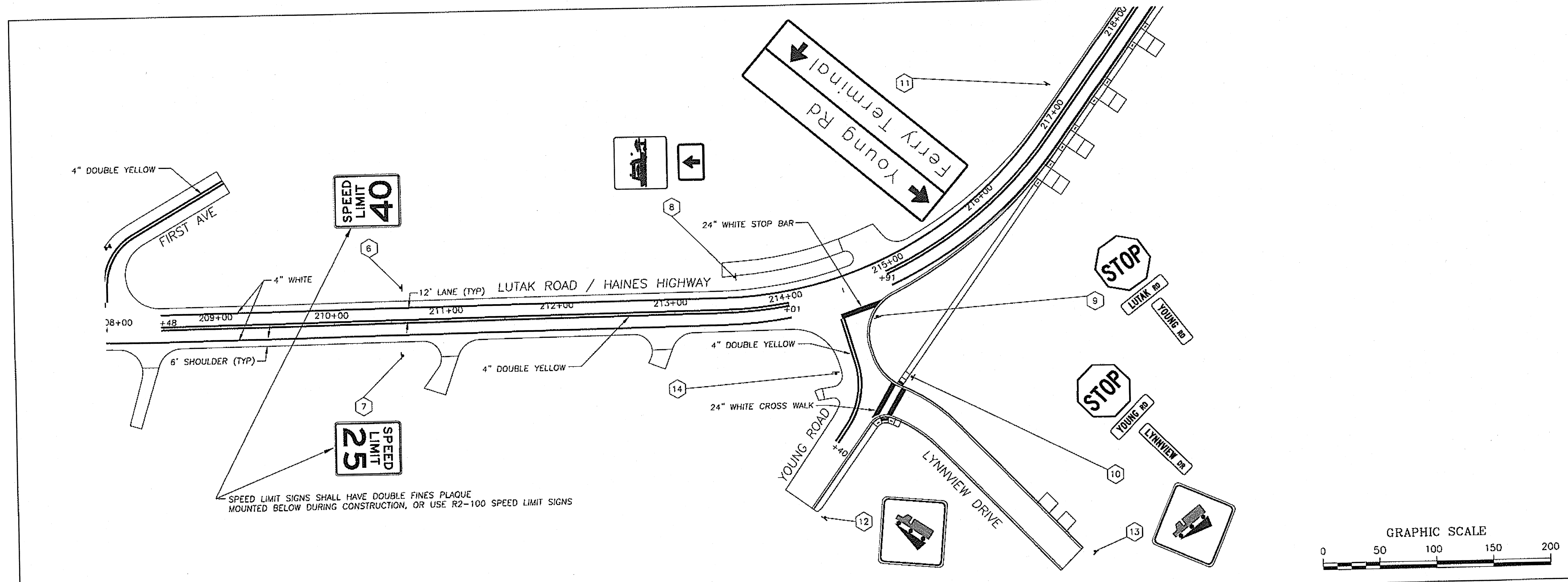
STATION 218+00 TO STATION 225+00



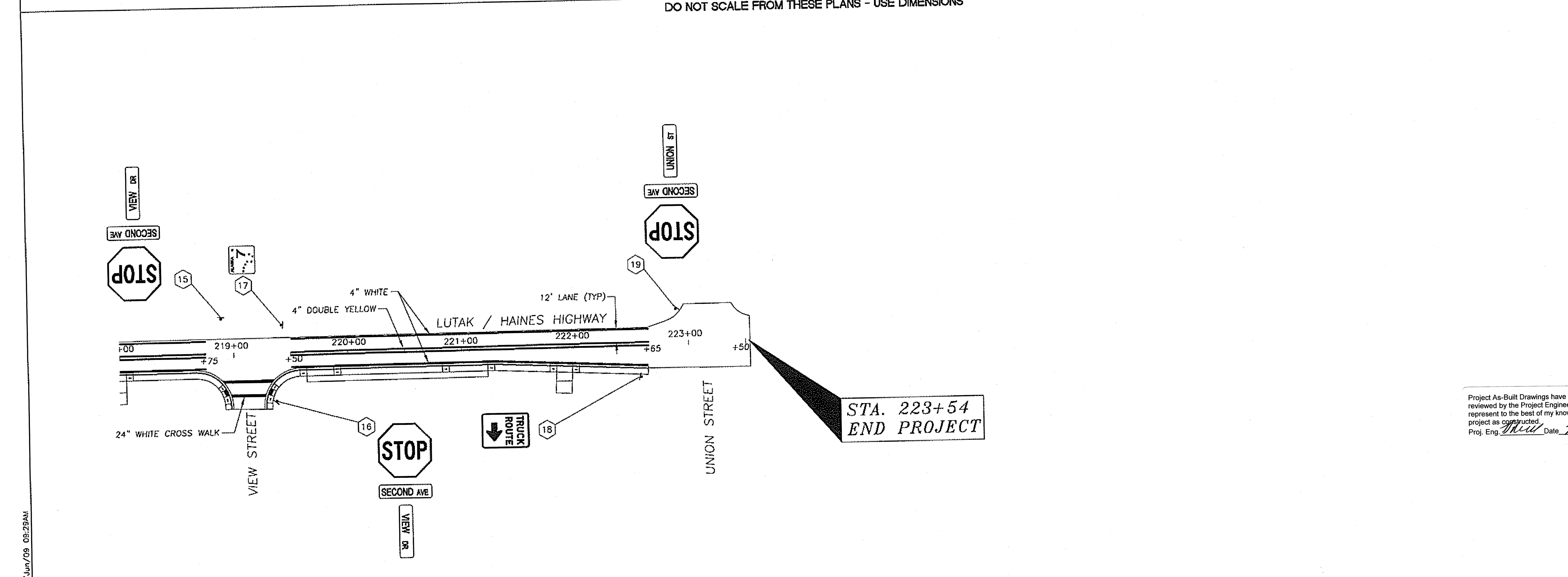
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

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. *MW* Date 7-1-12



DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



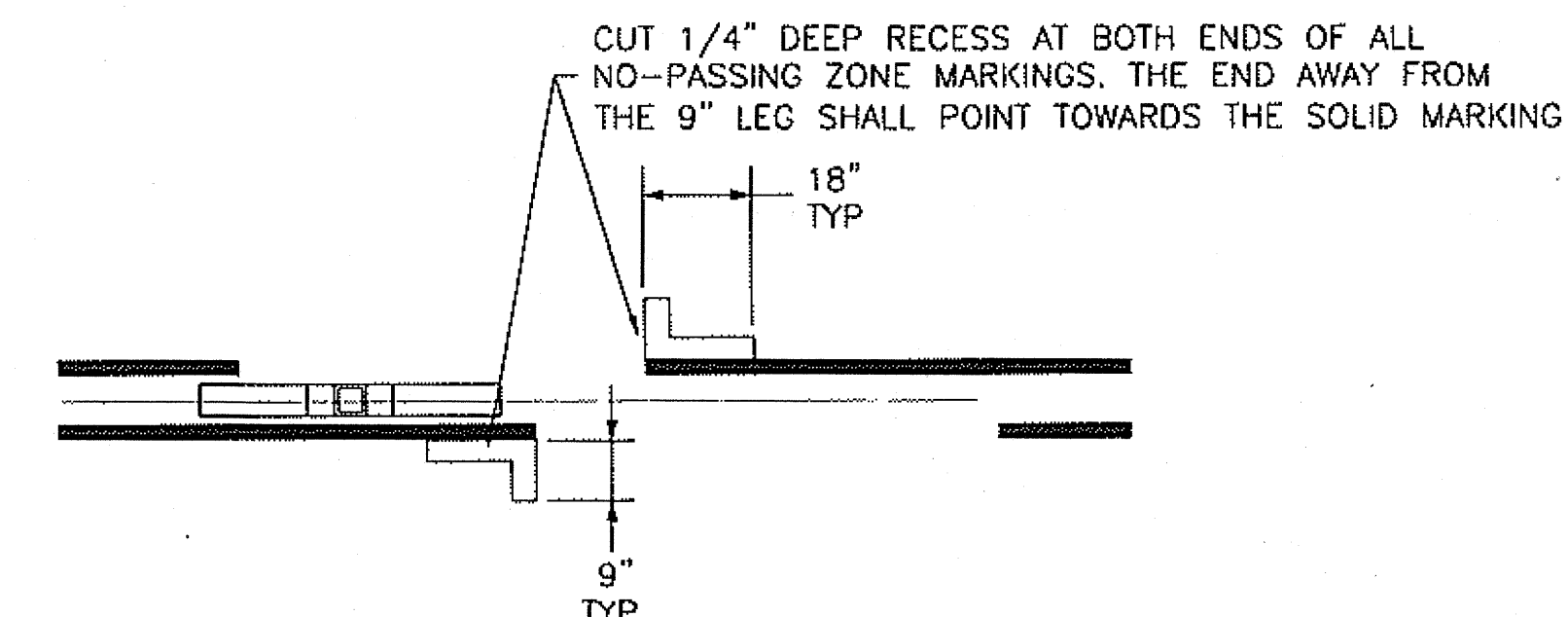
SIGN SUMMARY TABLE												
SHEET NO.	SIGN NO.	STATION	OFFSET		Code No. ASDS	Legend	SIZE INCHES		AREA (SQ.FT)	SIGN FACES	POST SIZE	REMARKS
			LT	RT			W	H				
11	1	198+71.8	29.8		D3-1	FRONT ST	48	12	4.00	NB/SB	-	USE "B" SERIES FONT
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
					R1-1	STOP	30	30	6.25	WB	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	
					M6-3	ARROW PLATE, VERTICAL (WHITE ON GREEN)	21	15	2.19	NB	-	
12	9	214+69.2		32.2	D3-1	YOUNG RD	48	12	4.00	NB/SB	-	
					D3-1	LUTAK RD	48	12	4.00	EB/WB	-	
					R1-1	STOP	30	30	6.25	EB	2 1/2" PST	
12	10	214+75.8		93.7	D3-1	LYNNVIEW DR	48	12	4.00	EB/WB	-	USE "B" SERIES FONT
					D3-1	YOUNG RD	48	12	4.00	NB/SB	-	
					R1-1	STOP	30	30	6.25	NB	2 1/2" PST	
12	11	217+16.9	26.0		D1-2	YOUNG ROAD, FERRY TERMINAL	132	42	38.50	NB	(2) 3" TS	
12	12	7+00.0	28.2		W7-1	HILL	36	36	9.00	SB	2 1/2" PST	YOUNG ROAD
12	13	14+50.0	19.0		W7-1	HILL	36	36	9.00	EB	2 1/2" PST	LYNNVUE DRIVE
12	14	5+70.0		20.0	MTE	MT. RIPINSKI TRAIL	12	12	1	WB	2 1/2" PST	YOUNG ROAD, MATCH EXISTING
12	15	218+89	32.0		D3-1	VIEW DR	48	12	4	NB/SB	2 1/2" PST	USE "B" SERIES FONT
					D3-1	SECOND AVE	48	12	4	EB/WB	2 1/2" PST	
					R1-1	STOP	30	30	6.25	EB	2 1/2" PST	
12	16	219+37		40.0	D3-1	VIEW DR	48	12	4	NB/SB	2 1/2" PST	USE "B" SERIES FONT
					D3-1	SECOND AVE	48	12	4	EB/WB	2 1/2" PST	
					R1-1	STOP	30	30	6.25	WB	2 1/2" PST	
12	17	219+42.5	25.0		M1-5	ALASKA ROUTE 7	36	36	9.00	NB	2 1/2" PST	
12	18	222+58		28.0	R14-1A	TRUCK ROUTE	30	42	8.75	SB	2 1/2" PST	
12	19	222+89	30.0		D3-1	VIEW DR	48	12	4	NB/SB	2 1/2" PST	USE "B" SERIES FONT
					D3-1	SECOND AVE	48	12	4	EB/WB	2 1/2" PST	
					R1-1	STOP	30	30	6.25	WB	2 1/2" PST	
							TOTAL		227.44			

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.

TABLE 1-24

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



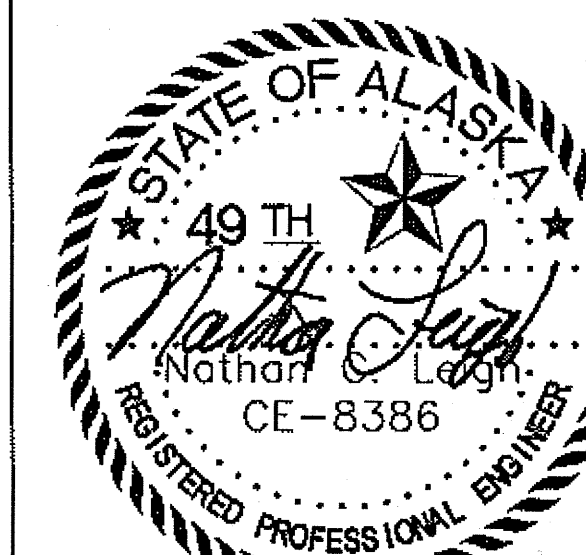
1
I3 NO-PASSING GROOVES
NTS

SHEET NUMBER	TOTAL SHEETS
13	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY:	DRAWN BY:
NCL	KEB
CHECKED BY:	NCL
ELECTRONIC PATHWAY:	
I:\562205\Drawings\C\Sheets\I03.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

SIGN SUMMARY PLAN & DETAILS

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. *M. L. Smith* Date: 7-11-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

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.
- THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH SCHEDULED FERRY AND SCHOOL BUS SERVICE AND SHALL PROVIDE FOR PASSAGE OF EMERGENCY SERVICES VEHICLES AT ALL TIMES. ONE LANE ROAD CLOSURE DELAYS MUST BE LESS THAN 10-MINUTES IN EACH DIRECTION.
- FULL ROAD CLOSURES ARE ALLOWED FOR BLASTING AND CULVERT INSTALLATION AND MUST BE ACCOMPANIED BY ADVANCE PUBLIC NOTICE AND APPROVED BY THE ENGINEER. ROAD CLOSURES MAY NOT EXCEED 4-HOURS IN DURATION AND ARE NOT ALLOWED WITHIN 2-HOURS PRIOR TO FERRY DEPARTURES OR 1-HOUR AFTER FERRY ARRIVALS. ROAD CLOSURES ARE ALSO NOT ALLOWED TO DISRUPT SCHOOL BUS SCHEDULES. PROVISIONS OR OTHER APPROVED METHODS FOR PASSAGE OF EMERGENCY SERVICE VEHICLES MUST ALSO BE ACCOMMODATED.
- 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.
- BALLOON 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.
- ALL ORANGE BACKGROUND SIGNS SHALL BE FLORESCENT ORANGE IN ACCORDANCE WITH SECTION 615.
- ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE SEQUENTIALLY NUMBERED.

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)

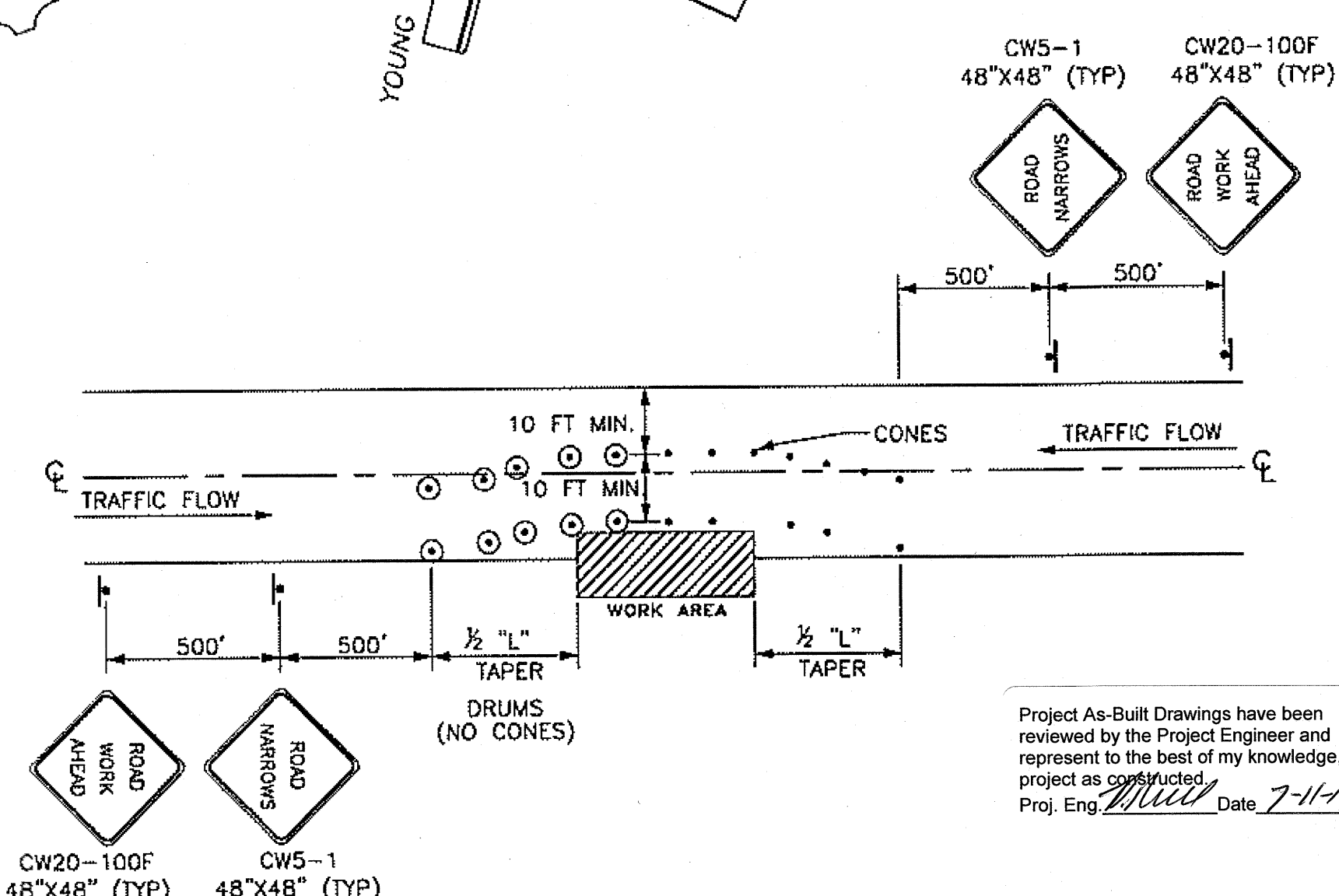
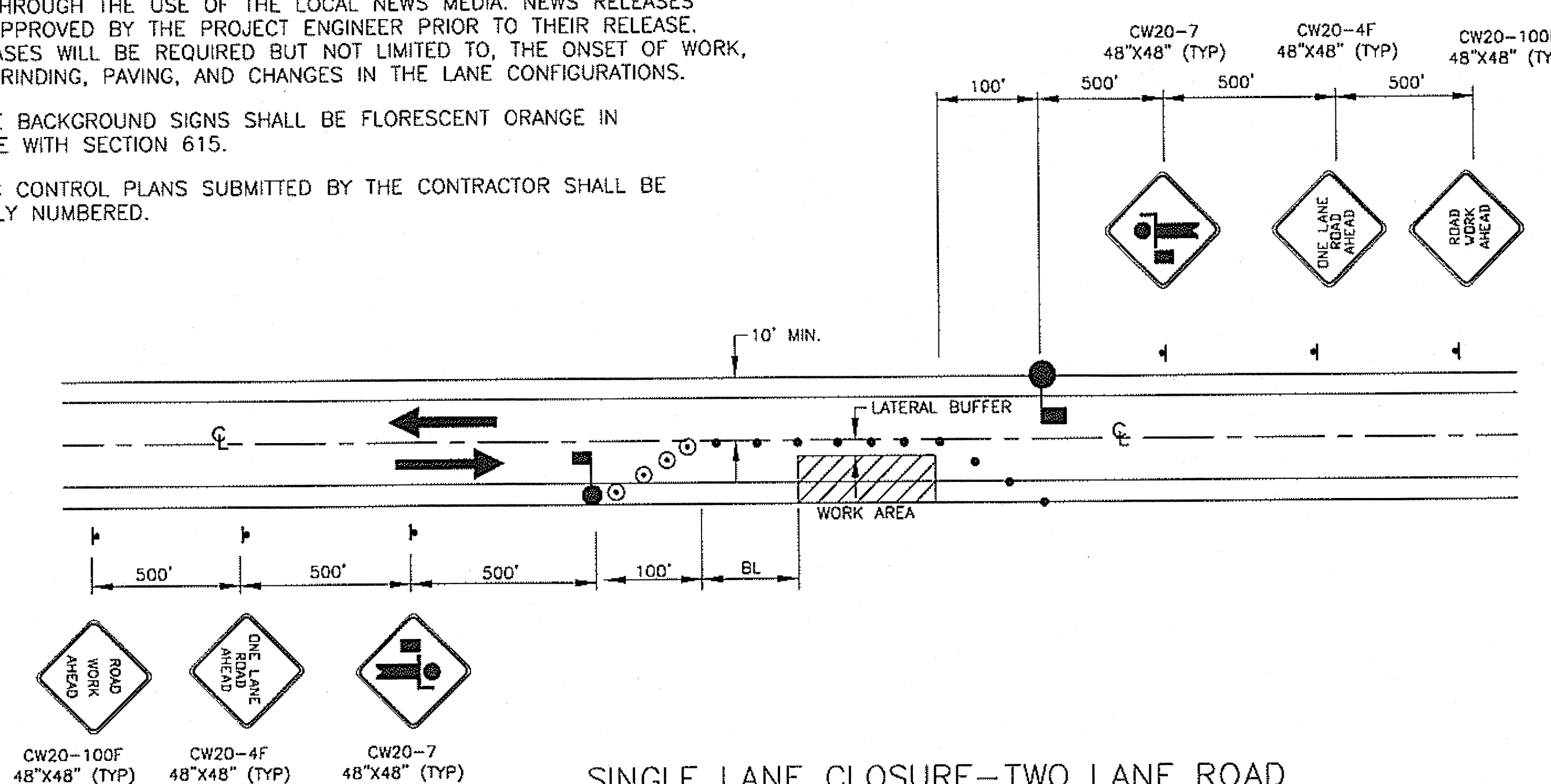
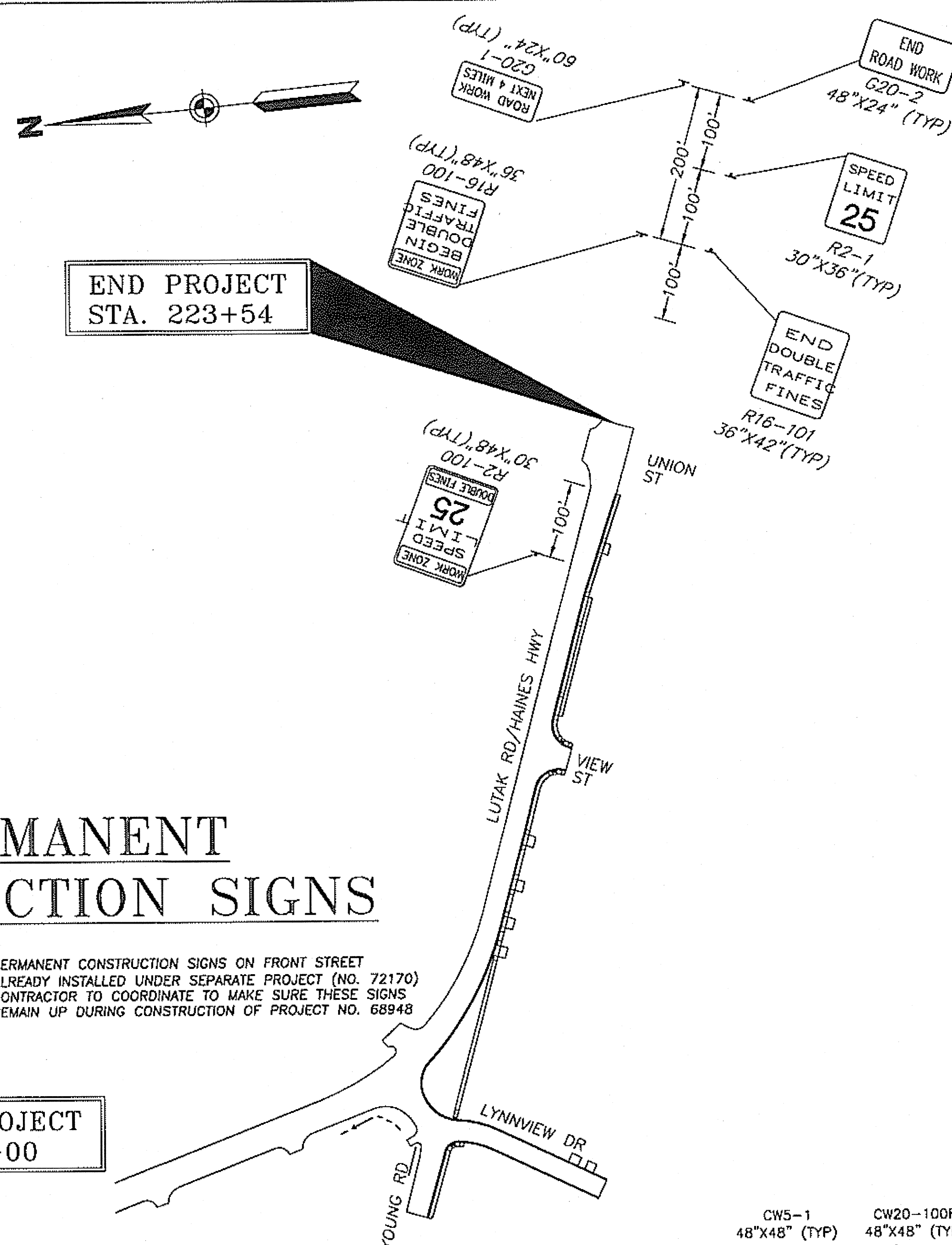
DRUM OR CONE SPACING = S (IN FEET)

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

PERMANENT CONSTRUCTION SIGNS ON FRONT STREET ALREADY INSTALLED UNDER SEPARATE PROJECT (NO. 72170) CONTRACTOR TO COORDINATE TO MAKE SURE THESE SIGNS REMAIN UP DURING CONSTRUCTION OF PROJECT NO. 68948

BEGIN PROJECT STA. 195+00



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	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
NCL KEB NCL	
ELECTRONIC PATHWAY:	
I:\562205\Dwg\C\Sheets\K01.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

TRAFFIC CONTROL PLANS

STATION 218+00 TO STATION 225+00



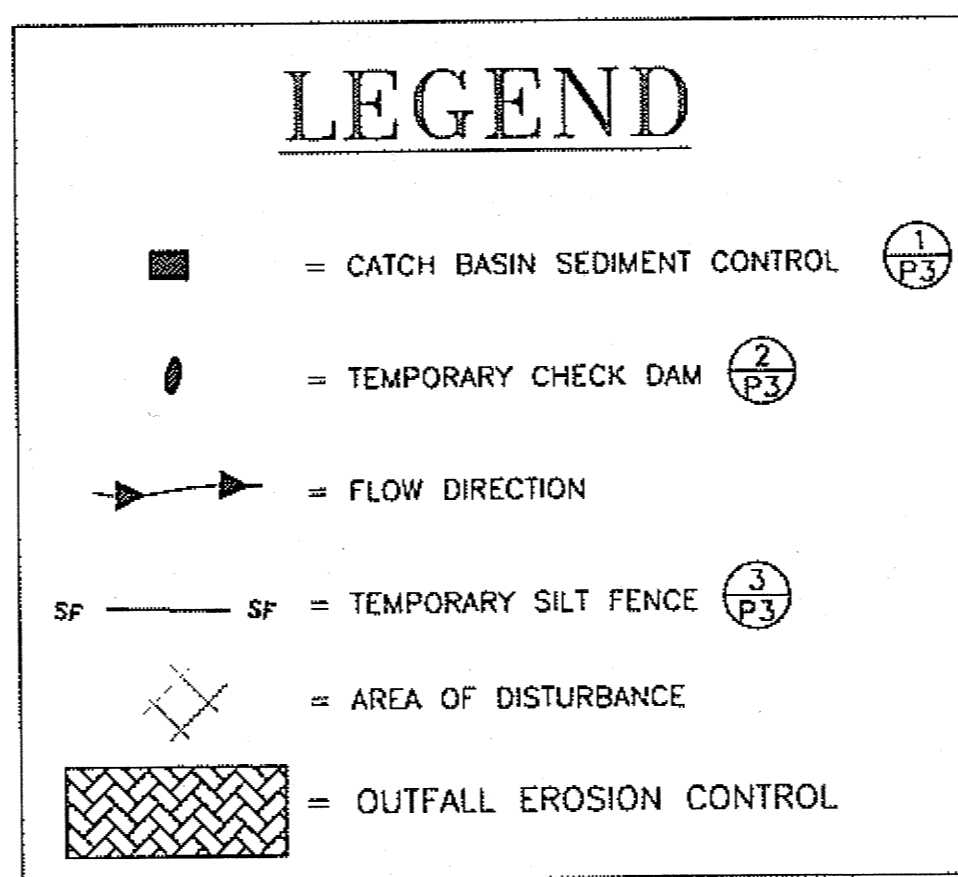
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 SOUTHEAST REGION

HAINES HIGHWAY
 FRONT STREET TO UNION STREET
 REHABILITATION - 3R
 FEDERAL NO. ARRA-0956(032)

Tue, 16 Jun 09 09:29AM

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 PALLATIVES, 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.

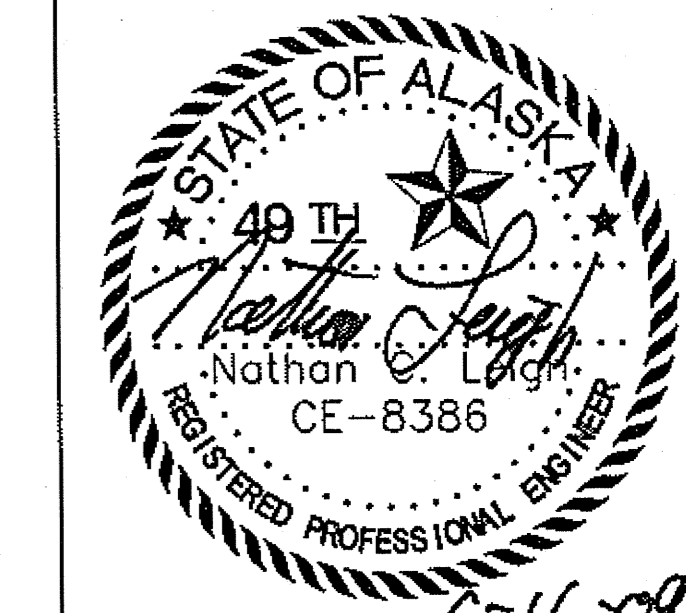


SHEET NUMBER	TOTAL SHEETS	
P1	28	
STATE	YEAR	
ALASKA	2009	
PROJECT DESIGNATION NUMBERS		
ARRA-0956(032) - NO 68948		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
DESIGNED BY: DRAWN BY: CHECKED BY:		
SL	CP	NCL
ELECTRONIC PATHWAY:		
EDTIME		
JUNE, 2009		
STANDARDS:		
REHABILITATION 3R		
SPECIFICATIONS:		
SSHC 2004		

PREPARED BY: USKH INC.

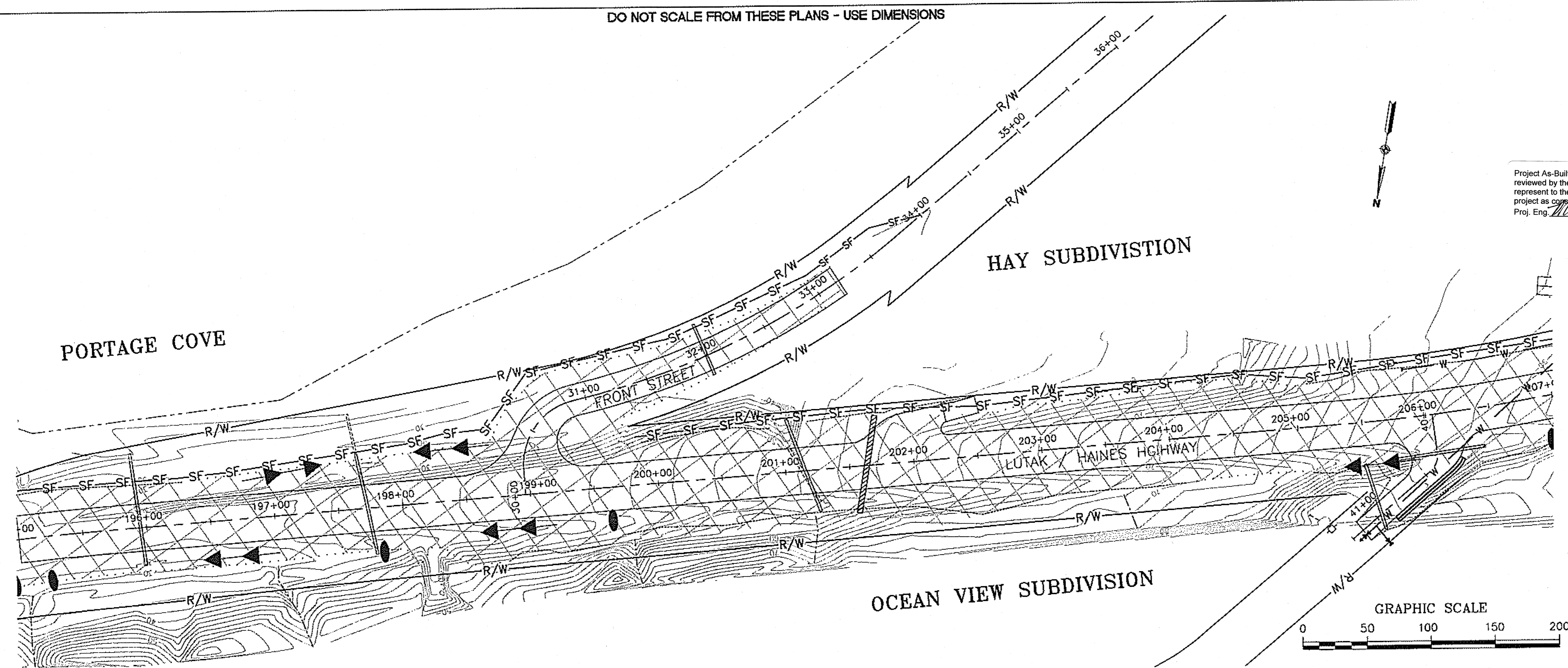
EROSION AND SEDIMENT CONTROL PLAN

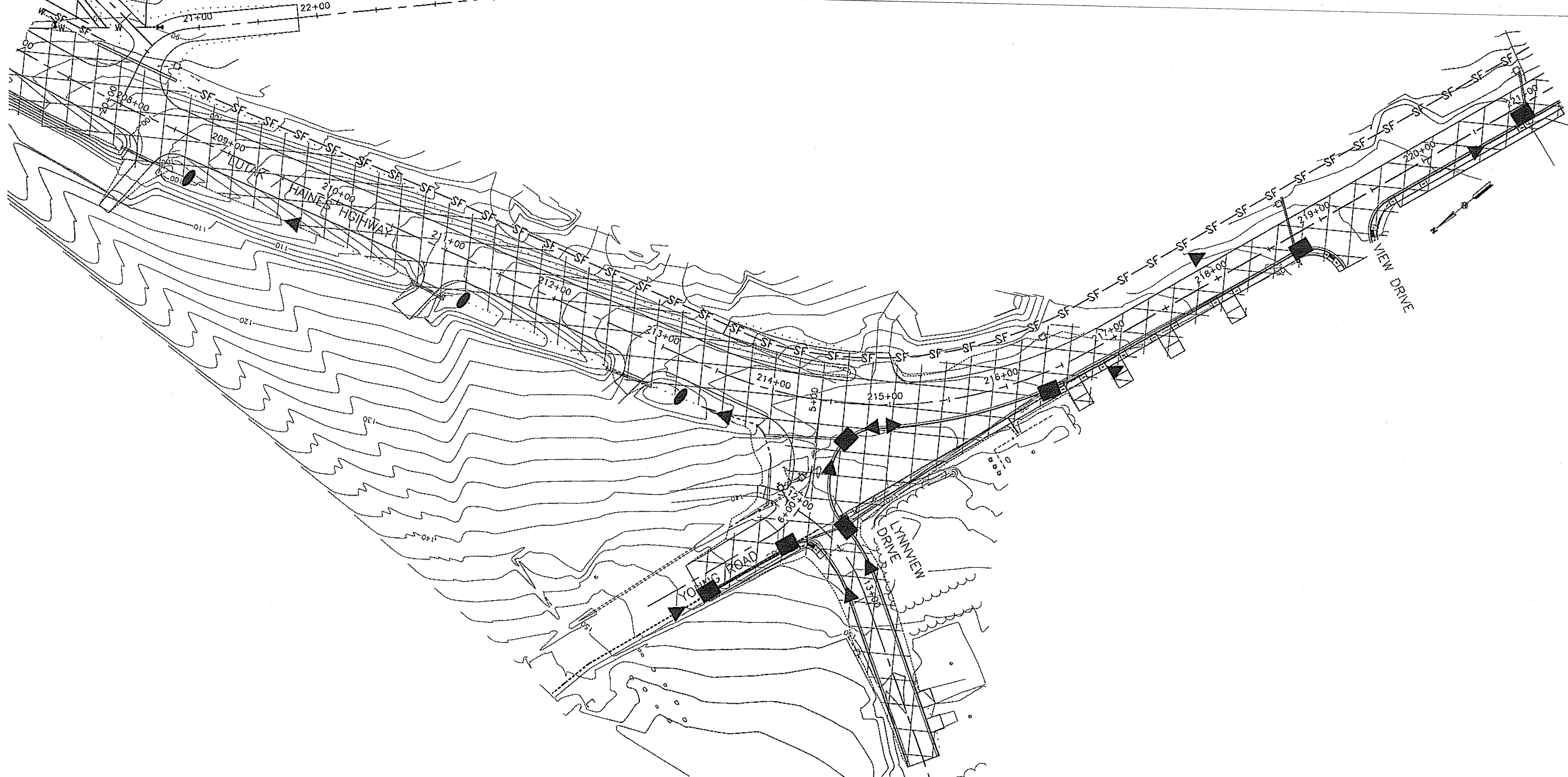
B.O.P. TO STATION 207+00



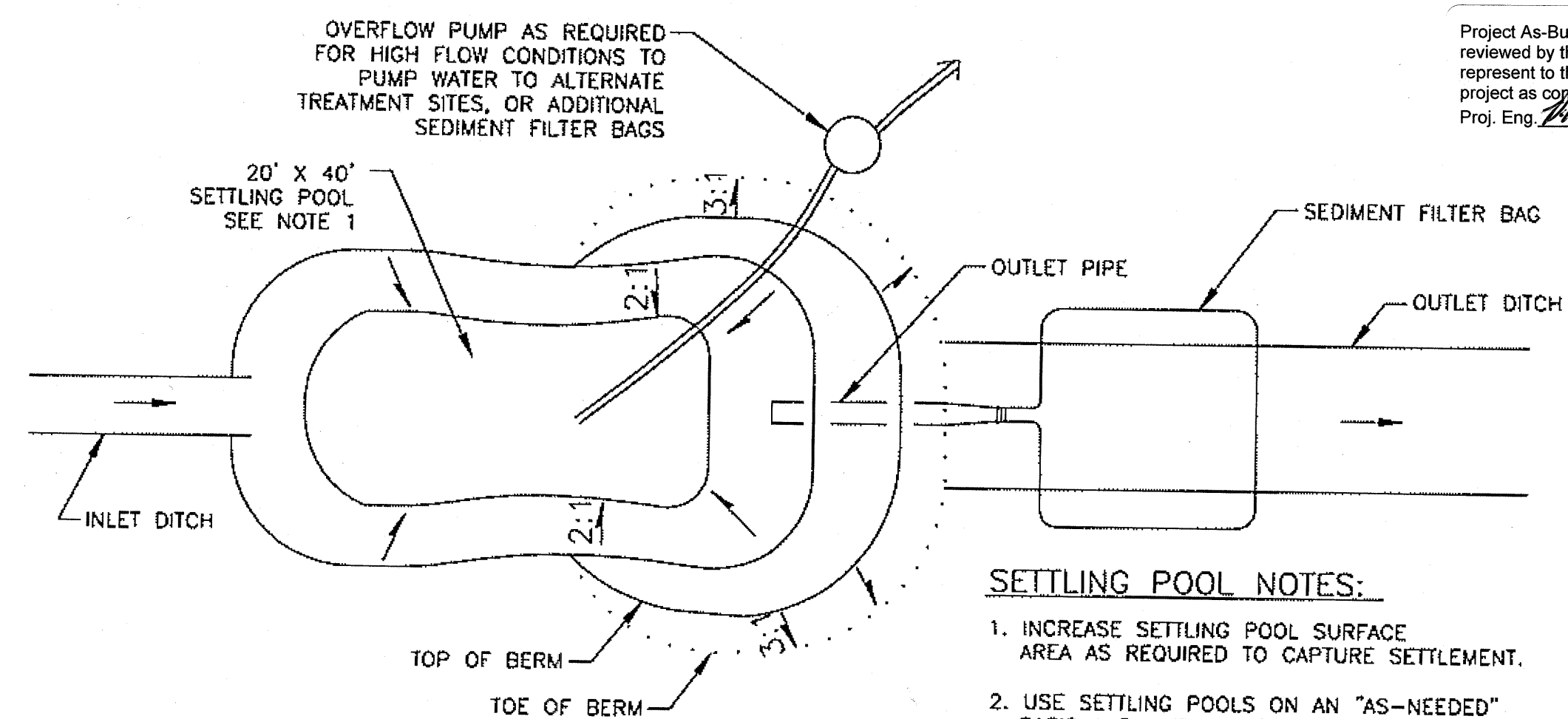
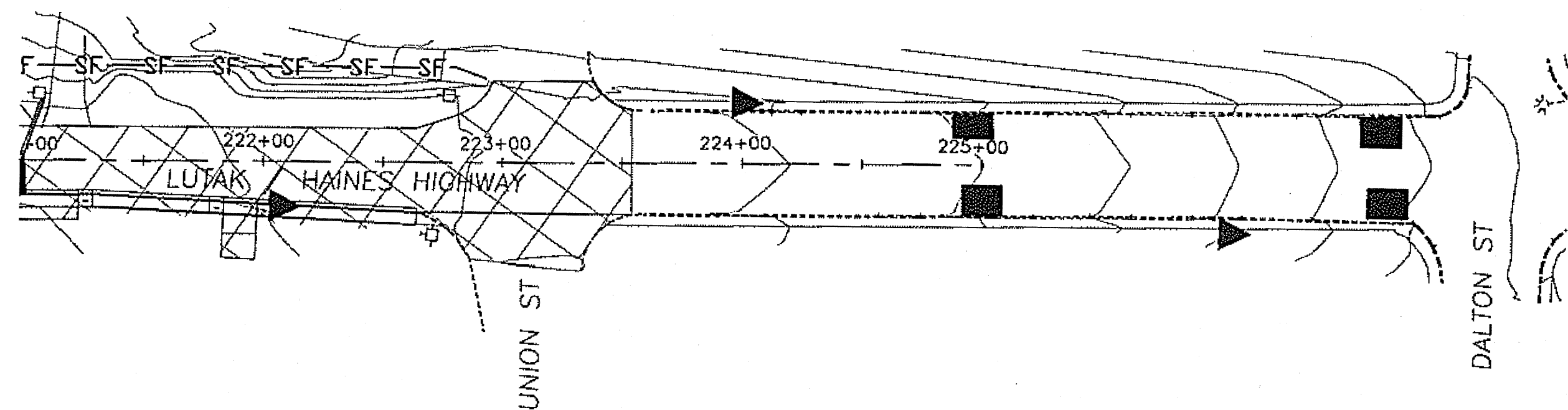
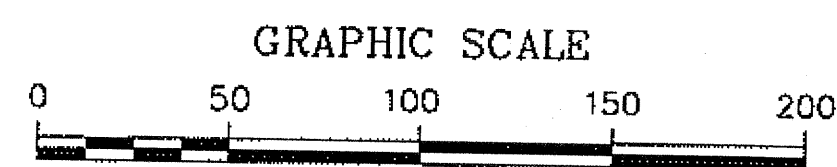
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)





DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS



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: 7-1-09

- SETTLING POOL NOTES:**
1. INCREASE SETTLING POOL SURFACE AREA AS REQUIRED TO CAPTURE SETTLEMENT.
 2. USE SETTLING POOLS ON AN "AS-NEEDED" BASIS AND WHEN DIRECTED BY THE ENGINEER.

1
P2 TEMPORARY SETTLING POOL - PLAN

SHEET NUMBER	TOTAL SHEETS
P2	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
SL	CP NCL
ELECTRONIC PATHWAY:	
I:\562205\Draws\C\Sheets\P02.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	

PREPARED BY: USKH INC.

EROSION AND SEDIMENT CONTROL PLAN

STATION 207+00
TO
STATION 221+00

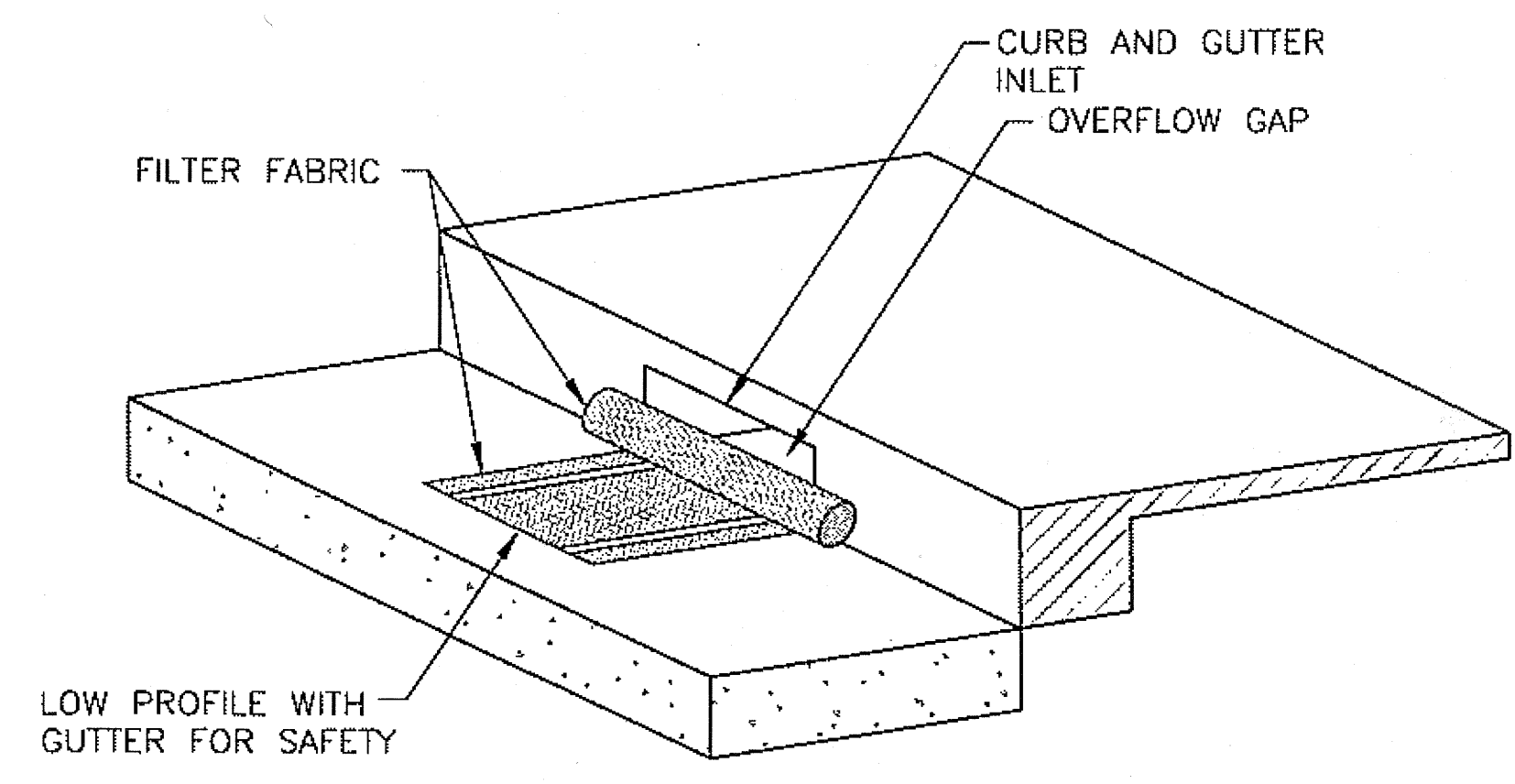


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

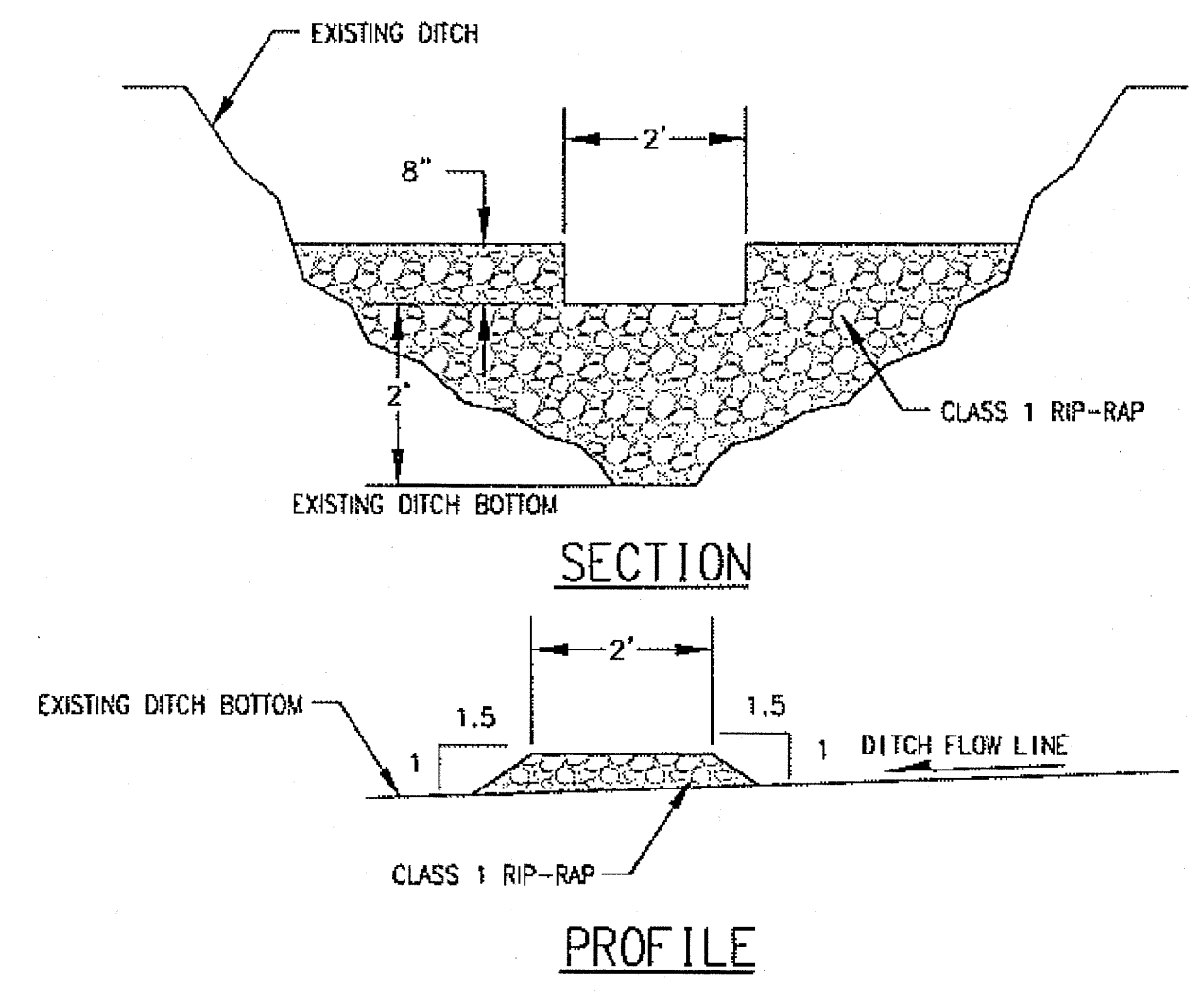
HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

Tue, 16 Jun 09 09:30AM

SHEET NUMBER	TOTAL SHEETS
P3	28
STATE	YEAR
ALASKA	2009
PROJECT DESIGNATION NUMBERS	
ARRA-0956(032) - NO 68948	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
DESIGNED BY: DRAWN BY: CHECKED BY:	
SL	CP NCL
ELECTRONIC PATHWAY:	
I:\562205\Dwgs\C\Sheets\F03.dwg	
EDTIME	
JUNE, 2009	
STANDARDS:	
REHABILITATION 3R	
SPECIFICATIONS:	
SSHC 2004	



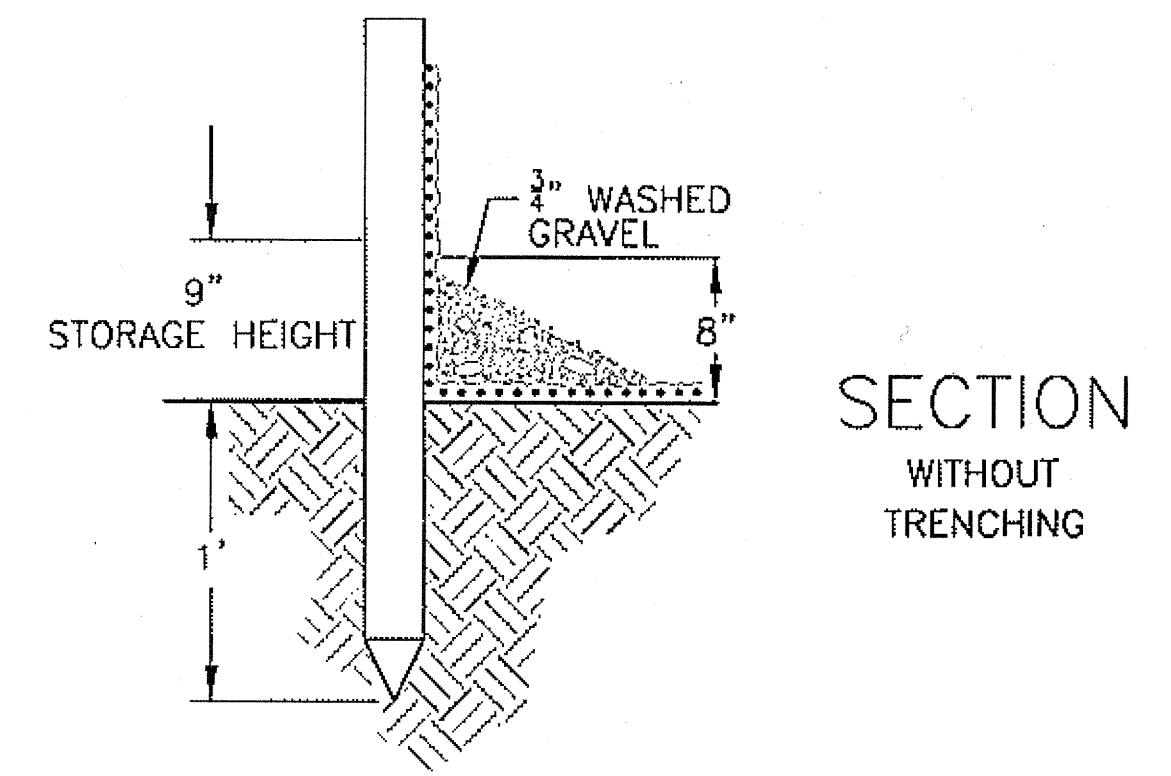
1
P3 CURB INLET PROTECTION



2
P3 TEMPORARY CHECK DAM (ROCK)

NOTES:

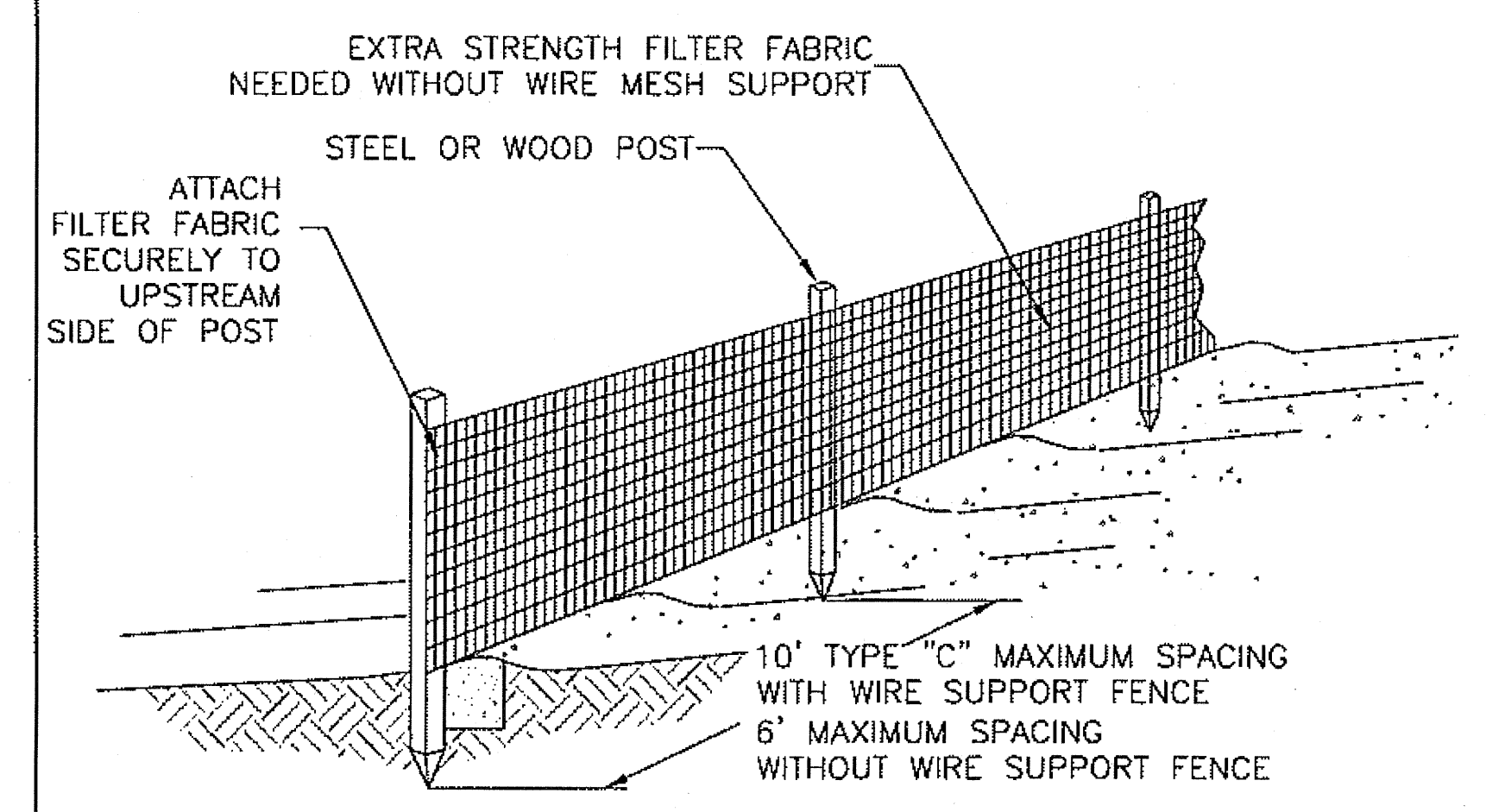
1. SEDIMENT FILTER SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.



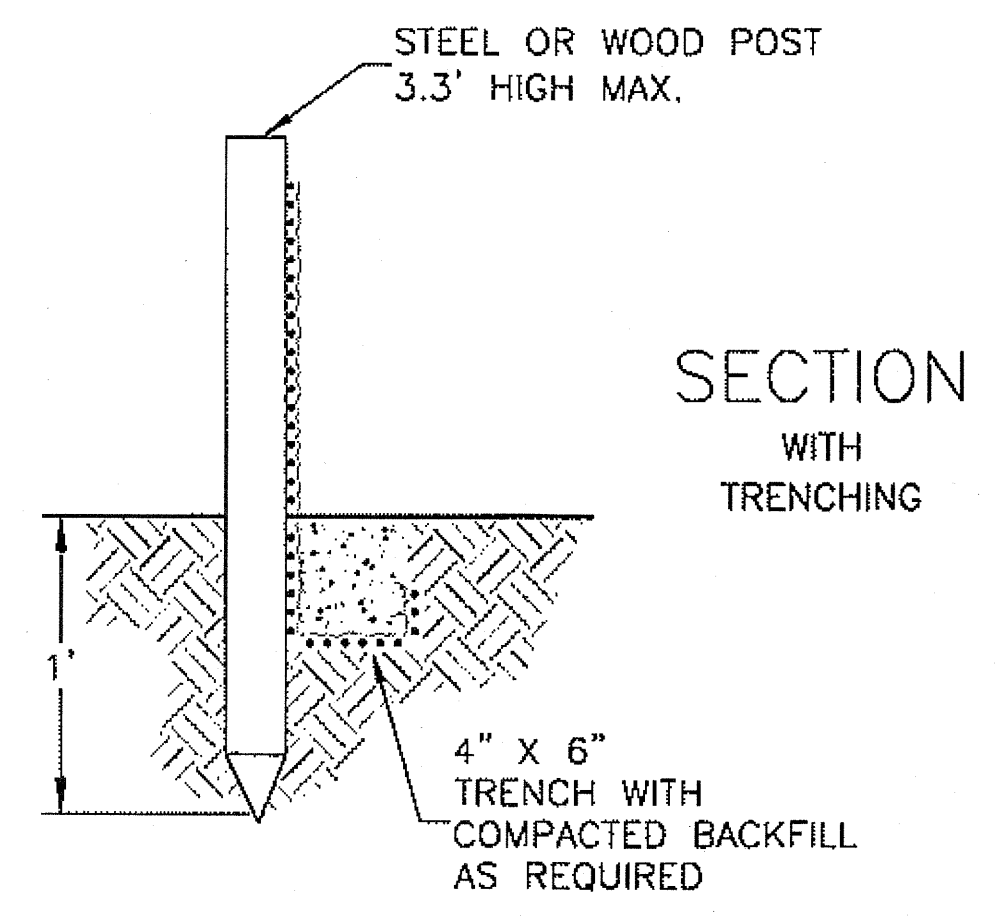
SECTION
WITHOUT
TRENCHING

NOTES:

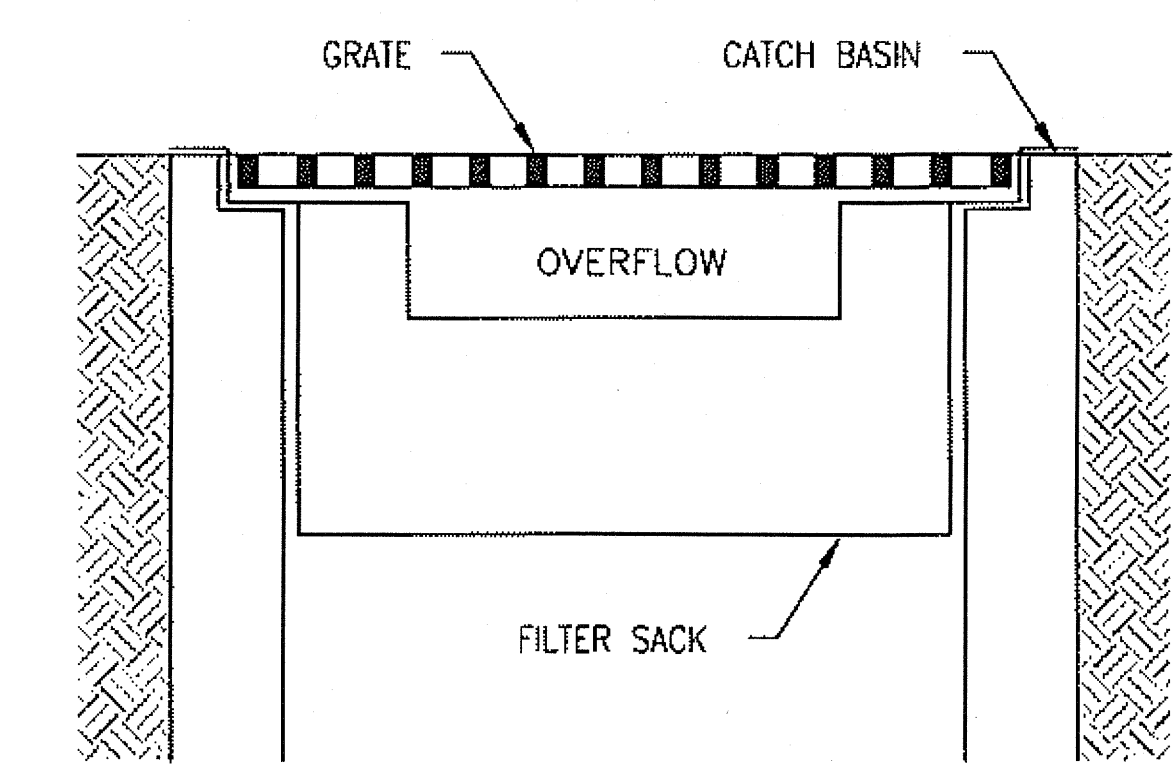
1. THIS DETAIL IS ONLY SCHEMATIC. ANY INSERT IS ALLOWED THAT HAS A MIN. 0.5 C.F. OF STORAGE, THE MEANS TO DEWATER THE STORED SEDIMENT, AN OVERFLOW, AND CAN BE EASILY MAINTAINED.
2. DURING THE INSTALLATION OF DRAINAGE STRUCTURES, SEDIMENT CONTROL DEVICES SHALL BE PLACED AT THE OUTFALL OF THE STRUCTURE. AT OTHER TIMES, SEDIMENT CONTROL DEVICES SHALL BE PLACED AND MAINTAINED AT THE INLET UNTIL SLOPES ARE STABILIZED.
3. FIELD INLETS AND CULVERTS SHALL BE PROTECTED FROM SEDIMENT AND REMAIN OPERATIONAL AT ALL TIMES.
4. THE INLET PROTECTION DETAIL IS CONCEPTUAL ONLY. THE CONTRACTOR MAY IMPROVE OR USE COMMERCIALY AVAILABLE TREATMENTS.
5. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
6. SEE STANDARD DRAWING E-13.00 FOR SILT FENCE INSTALLATION DETAILS.



3
P3 SEDIMENT FILTER DETAILS



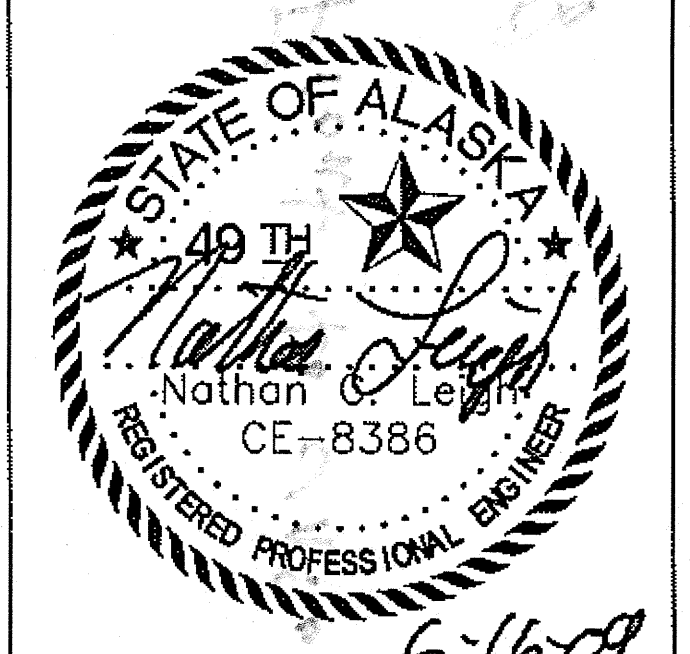
SECTION
WITH
TRENCHING



4
P3 CATCH BASIN SEDIMENT BAG

**EROSION AND
SEDIMENT
CONTROL PLAN
DETAILS**

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. *M. Lee* Date 7-11-12



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

HAINES HIGHWAY
FRONT STREET TO UNION STREET
REHABILITATION - 3R
FEDERAL NO. ARRA-0956(032)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS