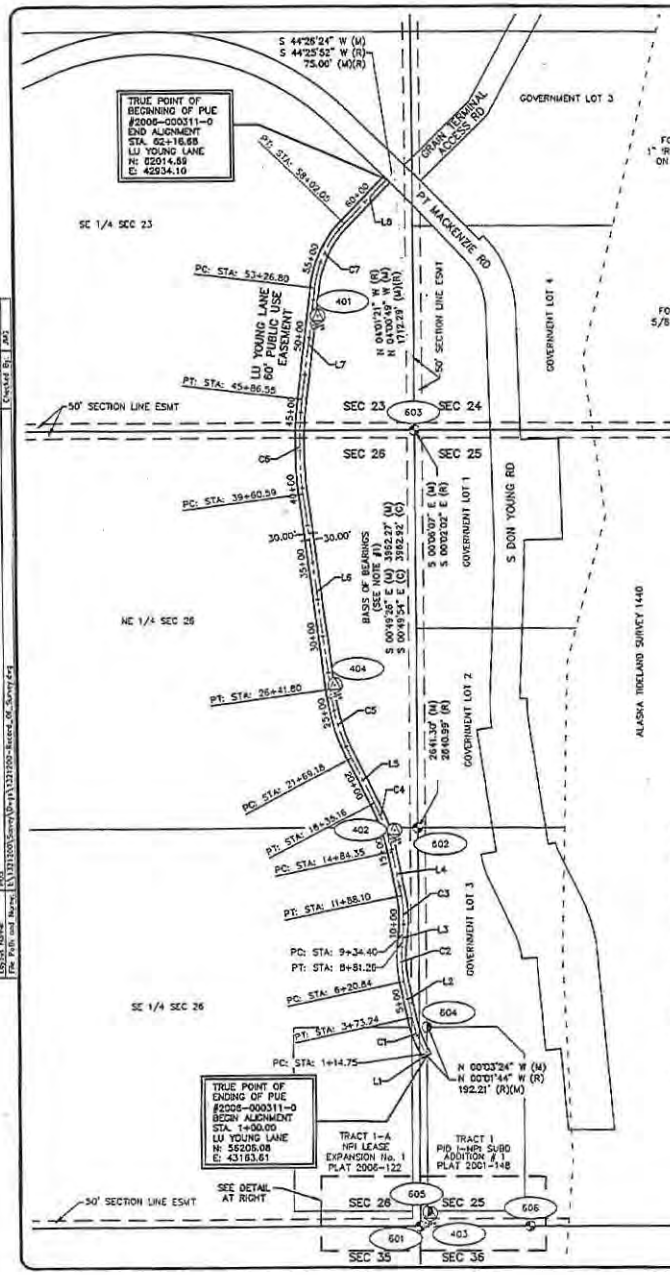
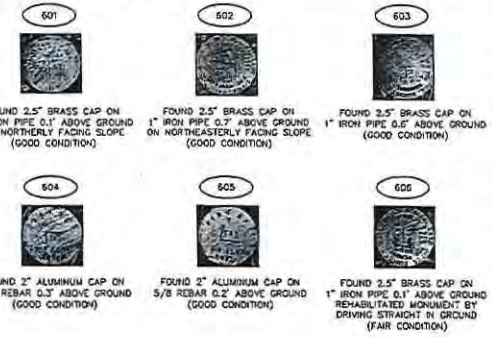
POA-2003-1410, Tongass Narrows
Matanuska-Susitna Borough
Public Notice

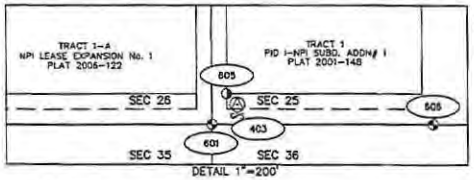
November 6, 2015

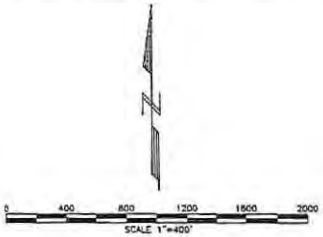




LEGEND

- (C) CALCULATED DATA BASED ON PUE #2006-000311-0
- (R) RECORD DATA PER PUE #2006-000311-0
- (M) FIELD MEASURED DATA
- FOUND ALUMINUM CAP
- FOUND BRASS CAP
- SET 5/8"X30" REBAR WITH RED PLASTIC CAP
- ### POINT NUMBER IDENTIFIER





	LOCAL		AK SP24		SET PROJECT CONTROL	
POINT	NORTHING	EASTING	NORTHING	EASTING	ELEVATION	DESCRIPTION
401	61114.16	42460.20	2661114.16	1652460.20	233.27	SET 5/8"X30" REBAR WITH RED PLASTIC CAP: USKH CONTROL POINT
402	57701.93	42956.04	2657701.92	1652955.98	223.85	SET 5/8"X30" REBAR WITH RED PLASTIC CAP: USKH CONTROL POINT
403	55160.02	43181.07	2655160.69	1653180.99	208.75	SET 5/8"X30" REBAR WITH RED PLASTIC CAP: USKH CONTROL POINT
404	58656.66	42560.83	2658658.93	1652560.82	217.70	SET 5/8"X30" REBAR WITH RED PLASTIC CAP: USKH CONTROL POINT

	LOCAL		AK SP24		RECOVERED PROPERTY CORNERS
POINT	NORTHING	EASTING	NORTHING	EASTING	DESCRIPTION
601	55077.01	43115.45	2655077.59	1653115.37	FOUND 2 1/2" BRASS CAP ON 1" IRON PIPE: SECTION CORNER 1917
602	57718.85	43111.15	2657719.23	1653111.06	FOUND 2 1/2" BRASS CAP ON 1" IRON PIPE: 1/4 SEC CORNER 1917
603	60360.15	43106.45	2660360.23	1653106.38	FOUND 2 1/2" BRASS CAP ON 1" IRON PIPE: SECTION CORNER 1917
604	56398.29	43163.42	2656398.82	1653163.34	FOUND 2" ALUMINUM CAP ON REBAR: TR 1 LS 5144 2001
605	55177.03	43165.21	2655177.69	1653165.14	FOUND 2" ALUMINUM CAP ON REBAR: TR 1 LS 5144 2001
606	55076.20	43848.18	2655076.87	1653848.03	FOUND 2 1/2" BRASS CAP ON 1" IRON PIPE: WCMC 1917

LU YOUNG LANE PUBLIC USE EASEMENT #2006-000311-0

NUMBER	LENGTH (M)	LENGTH (R)	RADIUS	LINE/CHORD DIRECTION (M)	LINE DIRECTION (R)	DELTA (M)	DELTA (R)	BEGINNING STATION	END STATION
L1	14.75	14.85		N 29°20'56" W	S 29°21'29" E			1+00.00	1+14.75
C1	258.48	258.48	850.00	N 20°38'13" W		17°25'25"	17°25'25"	1+14.75	3+73.24
L2	247.60	247.60		N 11°55'31" W	S 11°56'03" E			3+73.24	6+20.84
C2	260.43	260.43	800.00	N 02°35'58" W		18°39'06"	18°39'06"	6+20.84	8+81.26
L3	53.14	53.14		N 06°43'25" E	S 06°43'03" W			8+81.26	9+34.40
C3	253.70	253.70	800.00	N 02°21'30" W		18°10'11"	18°10'11"	9+34.40	11+88.10
L4	296.25	296.25		N 11°26'35" W	S 11°27'08" E			11+88.10	14+84.35
C4	350.81	350.80	1250.00	N 19°28'50" W		16°04'47"	16°04'47"	14+84.35	18+35.16
L5	334.02	334.02		N 27°31'23" W	S 27°31'55" E			18+35.16	21+69.18
C5	472.62	472.62	1350.00	N 17°29'37" W		20°03'31"	20°03'31"	21+69.18	26+41.80
L6	1318.79	1318.79		N 07°27'52" W	S 07°28'24" E			26+41.80	39+60.59
C6	625.97	625.96	2500.00	N 00°17'29" W		14°20'46"	14°20'46"	39+60.59	45+86.55
L7	740.25	740.27		N 06°52'54" E	S 06°52'22" W			45+86.55	53+26.80
C7	475.25	475.25	725.00	N 25°39'39" E		37°33'30"	37°33'30"	53+26.80	58+02.05
L8	414.63	414.63		N 44°26'24" E	S 44°26'24" W			58+02.05	62+16.68

HORIZONTAL CONTROL

ALL UNITS FOR THIS SURVEY ARE EXPRESSED IN U.S. SURVEY FEET. THE GEODETIC BASIS IS NAD83 (CORS96) (EPOCH:2003.0) HOLDING CORS STATIONS AB25, ATW2, ANC2 AND TBON FIXED. THE HORIZONTAL COORDINATE SYSTEM FOR THIS SURVEY IS A LOCAL GROUND SYSTEM RELATED TO ALASKA STATE PLANE ZONE 4 USING THE FOLLOWING CONVERSION PARAMETERS;

TO CONVERT FROM THE LOCAL GROUND COORDINATE SYSTEM TO ALASKA STATE PLANE ZONE 4:
1) SCALE LOCAL COORDINATES ABOUT CP# 401 (61114.16N, 42460.20E) BY 0.9999880058.
2) ADD 2600000.00N, 1610000.00E TO THE RESULTING COORDINATES.

VERTICAL CONTROL

THE VERTICAL DATUM IS A GPS DERIVED NAVD88 USING GEOID09AK HOLDING THE ELEVATION AT POINT #401 FIXED AS 233.27.

NOTES

1. HORIZONTAL CONTROL POINTS SHOWN ON THIS SHEET WERE SURVEYED USING NETWORKED STATIC GPS TECHNIQUES. GPS MEASUREMENTS WERE PERFORMED USING TRIMBLE R8 MODEL 2 GNSS RECEIVERS AND TRIMBLE 5700 SERIES RECEIVERS AND PROCESSED USING TRIMBLE BUSINESS CENTER V2.4 SOFTWARE.
2. ALL ELEVATIONS SHOWN ON THIS SHEET WERE ESTABLISHED VIA DIFFERENTIAL LEVELING USING A TRIMBLE DINI DIGITAL BAR-CODE AUTOLEVEL.
3. RECORD DATA SHOWN HEREIN IS PER THE LEGAL DESCRIPTION OF LU YOUNG LANE, A PUBLIC USE EASEMENT RECORDED AS #2006-000311-0 IN PALMER RECORDING DISTRICT. MEASURED DATA SHOWN HEREIN IS BASED ON FIELD MEASUREMENTS HOLDING THE BEARING S 00°49'26" E ALONG A LINE MEASURED BETWEEN THE POINT OF COMMENCEMENT OF SAID PUBLIC USE EASEMENT DESCRIPTION (POINT #603) AND THE NORTHWEST NPI LEASE PARCEL CORNER AS REFERENCED IN SAID LEGAL DESCRIPTION (POINT #604) SAID LINE HAVING A CALCULATED BEARING OF S 00°49'54" E.
4. PROPERTY INFORMATION SHOWN HEREIN IS PROVIDED FOR ORIENTATION PURPOSES ONLY AND MAY NOT REFLECT LEGAL PROPERTY LINE LOCATIONS.
5. THE FIELD SURVEY WAS COMPLETED DURING JUNE 2011 BY USKH INC.
6. ALL DIMENSIONS AND COORDINATES SHOWN ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.

Surveyor's Certificate

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

STATE OF ALASKA 49TH JACOB M. GERONDALE LS-11758 RECORDED LAND SURVEYOR

Jacob M. Gerondale LS-11758 — 6-30-2011 Date

BY	DATE	REVISION

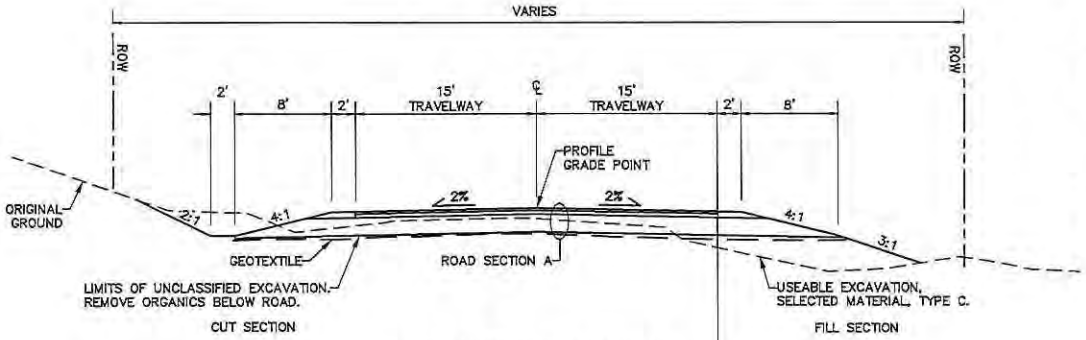
Matanuska-Susitna Borough
Palmer Recording District
This survey does not constitute a subdivision as defined by AS 40.15.900(5)

USKH — SHARED VISION, UNIFIED APPROACH
ANCHORAGE • WASILLA • JUNEAU • FAIRBANKS
2515 "A" Street • Anchorage, Alaska 99503
Phone (907) 276-4245 FAX (907) 258-4653

LU YOUNG LANE
A 60' Public Use Easement Situated within Sections 23, 25 and 26, Township 14 North, Range 4 West, Seward Meridian, State of Alaska
RECORD OF SURVEY

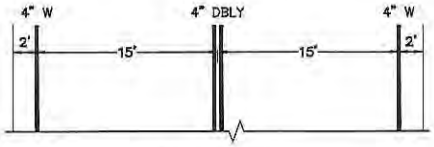
DATE: 6/30/11
SHEET: 1 OF 1

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	70001	2015	B1	B1



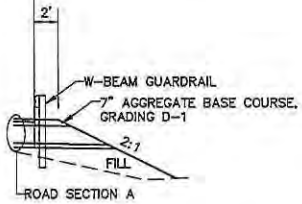
ROADWAY CONSTRUCTION

BOP TO 5+25
8+50 TO 29+50
44+49 TO 54+24
57+24 TO EOP



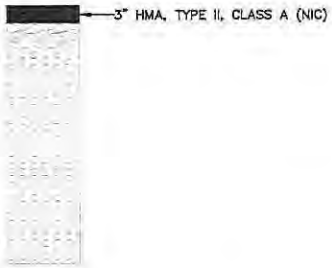
STRIPING (NIC)

BOP TO EOP
N.I.C.



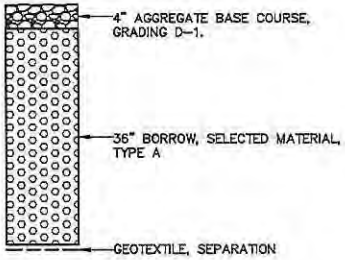
ROADWAY AND GUARD RAIL CONSTRUCTION

5+25 TO 8+50
29+50 TO 44+49
54+24 TO 57+24



ROAD SECTION B

ALTERNATIVE
N.I.C.



ROAD SECTION A

BASE BID

GENERAL NOTES:

1. CLEARING SHALL BE 10' BEYOND THE CATCH LIMITS ALONG THE ENTIRE PROJECT AND WHERE NOTED BY THE PLANS. GRUBBING SHALL BE FROM THE TOP OF THE SHOULDER EXTENDING 5 FEET BEYOND THE CATCH LIMITS BUT NOT BEYOND THE ROW.
2.
3. PLACE 4 INCHES OF TOPSOIL AND SEEDING FROM:
   A. THE SLOPE OF THE CATCH TO THE TOP OF THE AGGREGATE BASE COURSE.
   B. AS DIRECTED BY THE ENGINEER.

   OTHER AREAS WITHIN THE ROW DISTURBED BY THE CONTRACTOR SHALL RECEIVE SEEDING ONLY.
4. USE SEED MIX, TYPE B IN ALL UPHILL CUT SECTIONS.
   USE SEED MIX, TYPE A IN ALL OTHER AREAS.
5. USE 10:1 TRANSITION BETWEEN DIFFERENT THICKNESSES OF SELECTED MATERIALS.
6. GEOTEXTILE PLACED UNDER SELECTED MATERIAL, TYPE A.

STATE OF ALASKA 49TH CHARLES P. CURTIS CE-4781 04/24/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

TYPICAL-SECTION

SCALE N.T.S.
DESIGNED BY: HB
DRAWN BY: HB
CHECKED BY: HB

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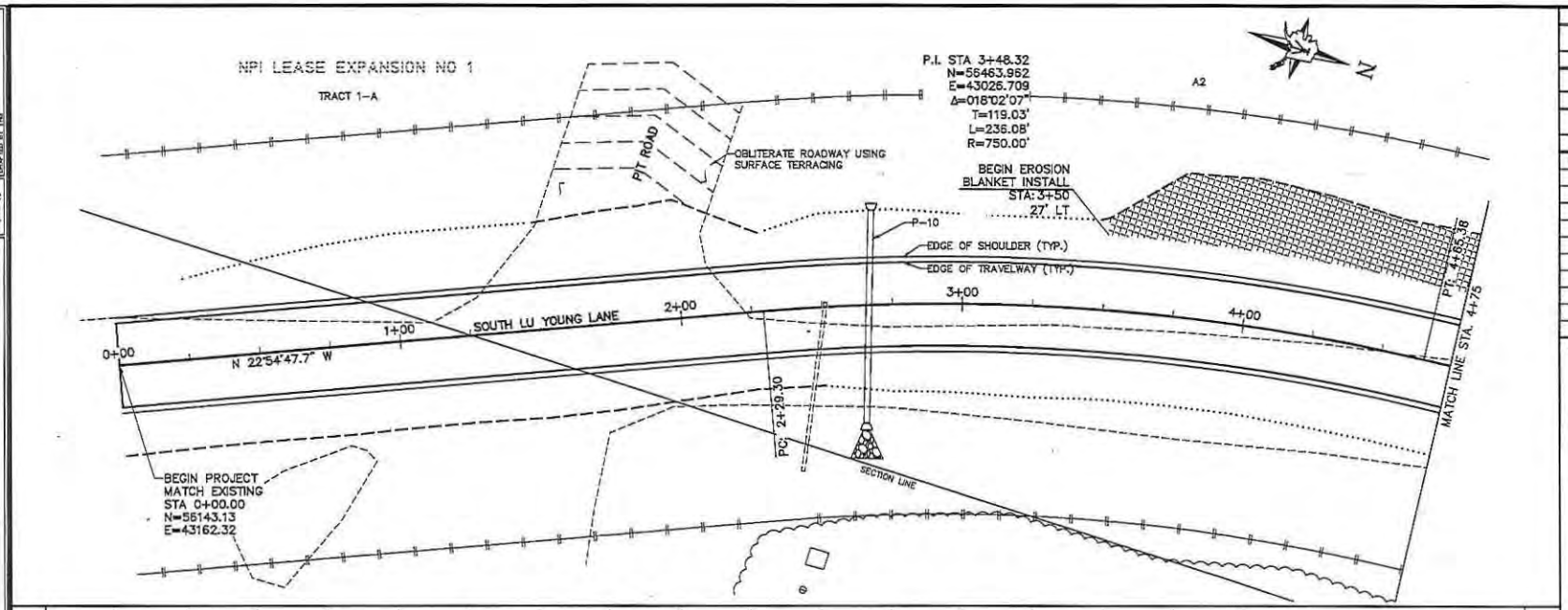
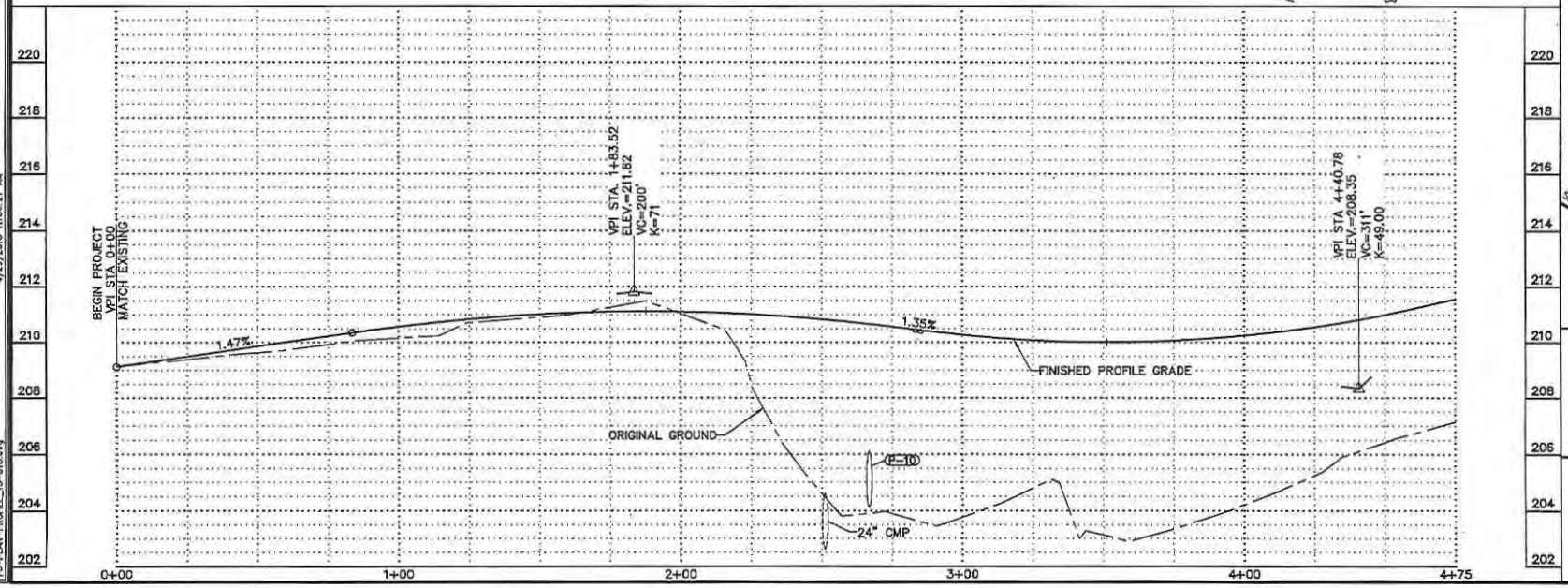
DATE: 4/29/2015 11:55:07 AM





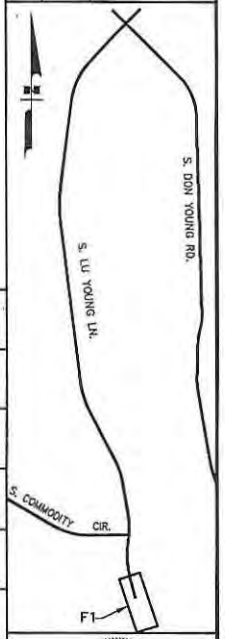
SHEET NO.	TOTAL SHEETS
F1	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA 49TH CHARLES P. CURTIS

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 0+00 – 4+75

SCALE 1" = 40'

DESIGNED BY: HH
DRAWN BY: HB
CHECKED BY: HB

DATE 4/29/2015 11:56:27 AM

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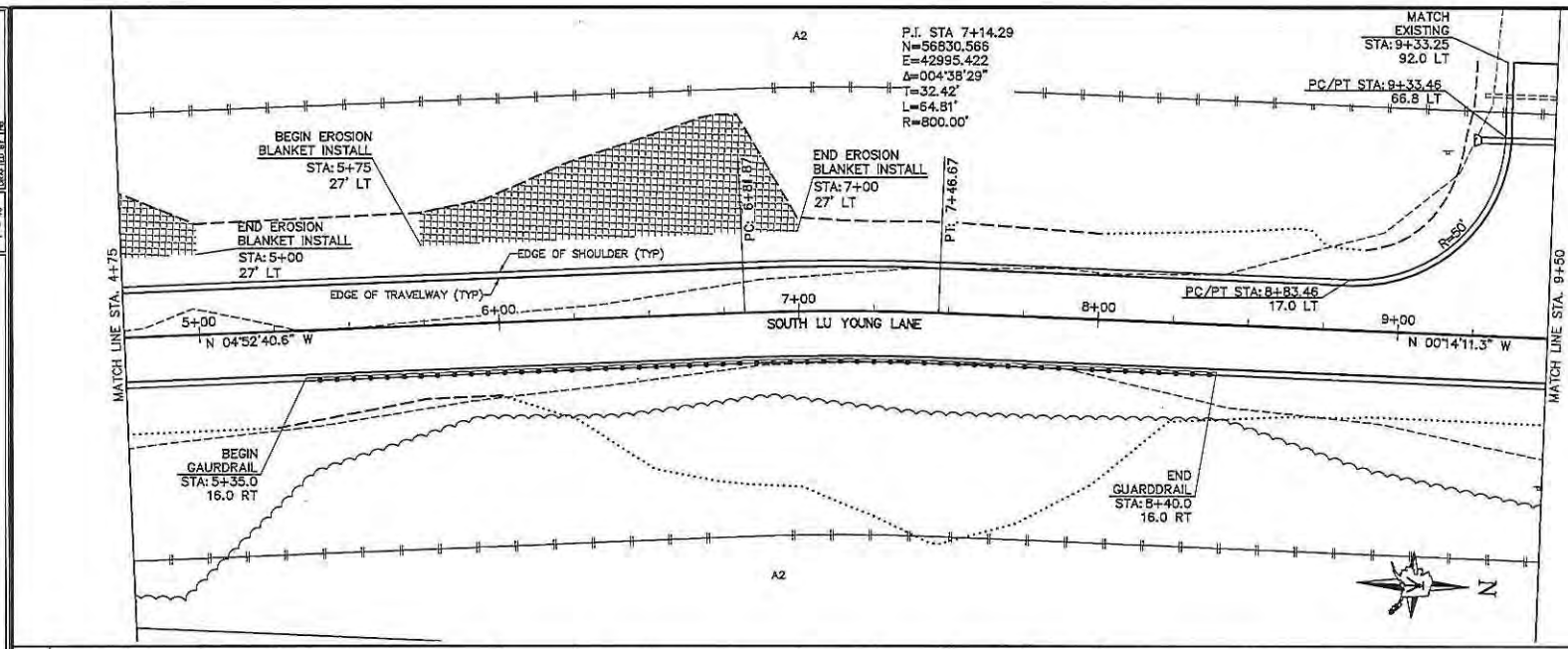
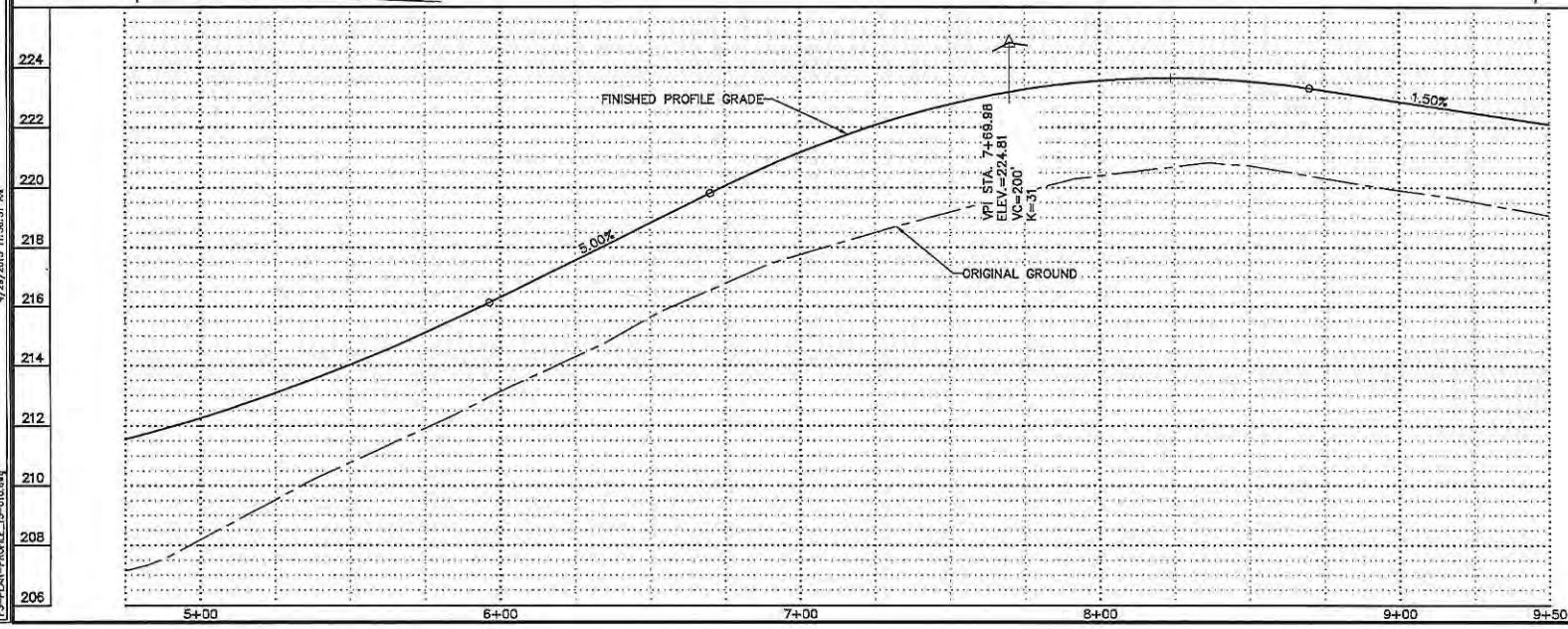




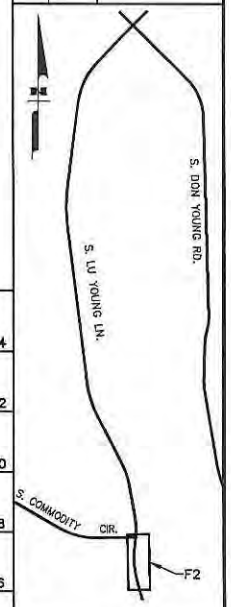
SHEET NO.	TOTAL SHEETS
F2	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. CURTIS
05/04/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 4+75 – 9+50

DRAWING FILE NAME
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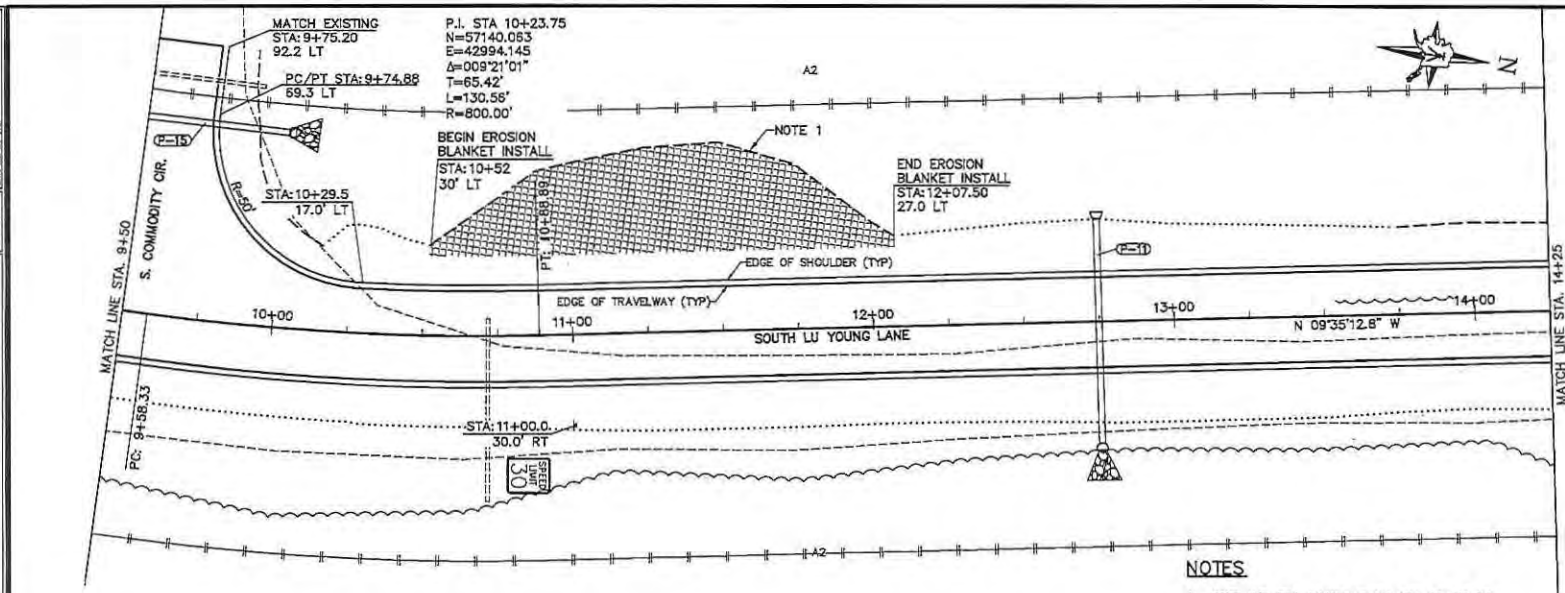
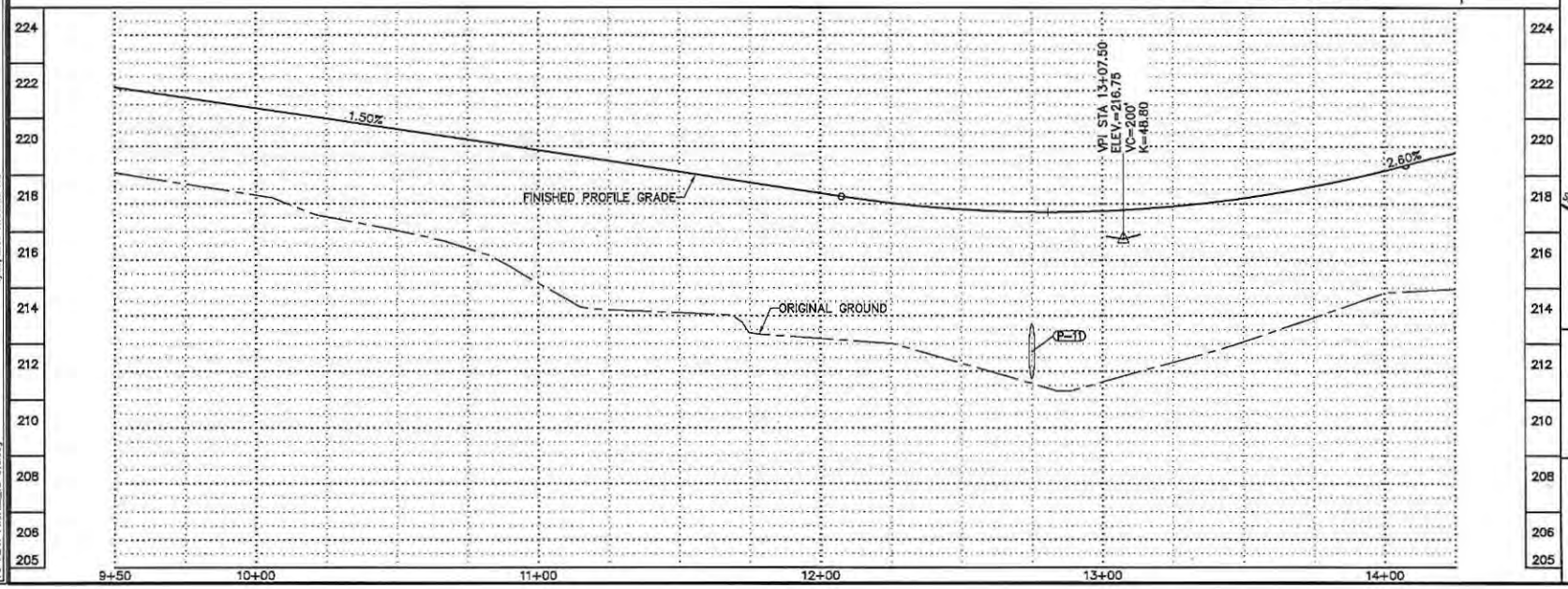
DESIGNED BY HS
DRAWN BY HS
CHECKED BY HS



NOTES

1. CUT AND FILL LIMITS FROM STA 10+52 TO 12+07 ARE BASED ON LIDAR MAT-SU BOROUGH, 2011. ACTUAL MAY VARY.



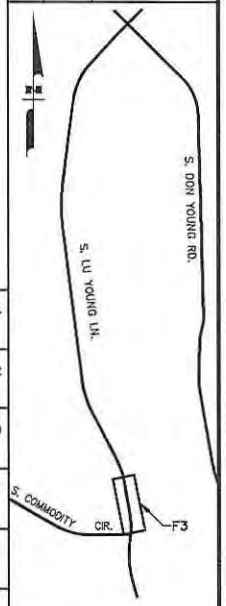
SHEET NO.	TOTAL SHEETS
F3	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. CURTIS
CE-8751
04/24/13

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 9+50 – 14+25

SCALE 1" = 40'

DESIGNED BY HK
DRAWN BY HK
CHECKED BY HK

DATE 4/29/2015 11:56:38 AM

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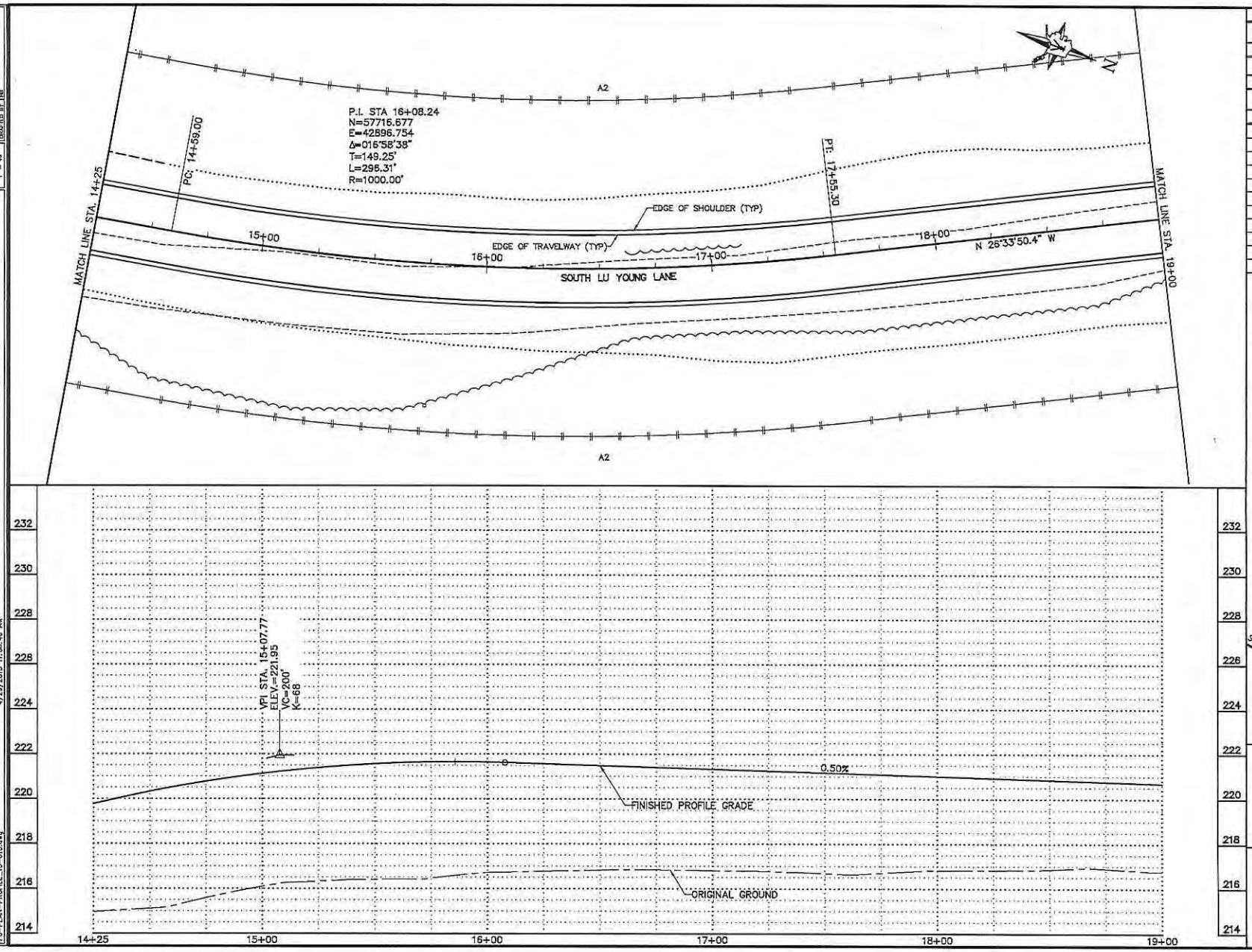


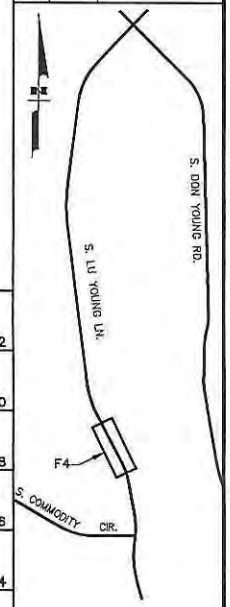
SHEET NO.	TOTAL SHEETS
F4	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. CURTIS
LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 14+25 – 19+00

DESIGNED BY HK
DRAWN BY CK
CHECKED BY HB

SCALE 1" = 40'

DATE 4/29/2015 11:56:40 AM

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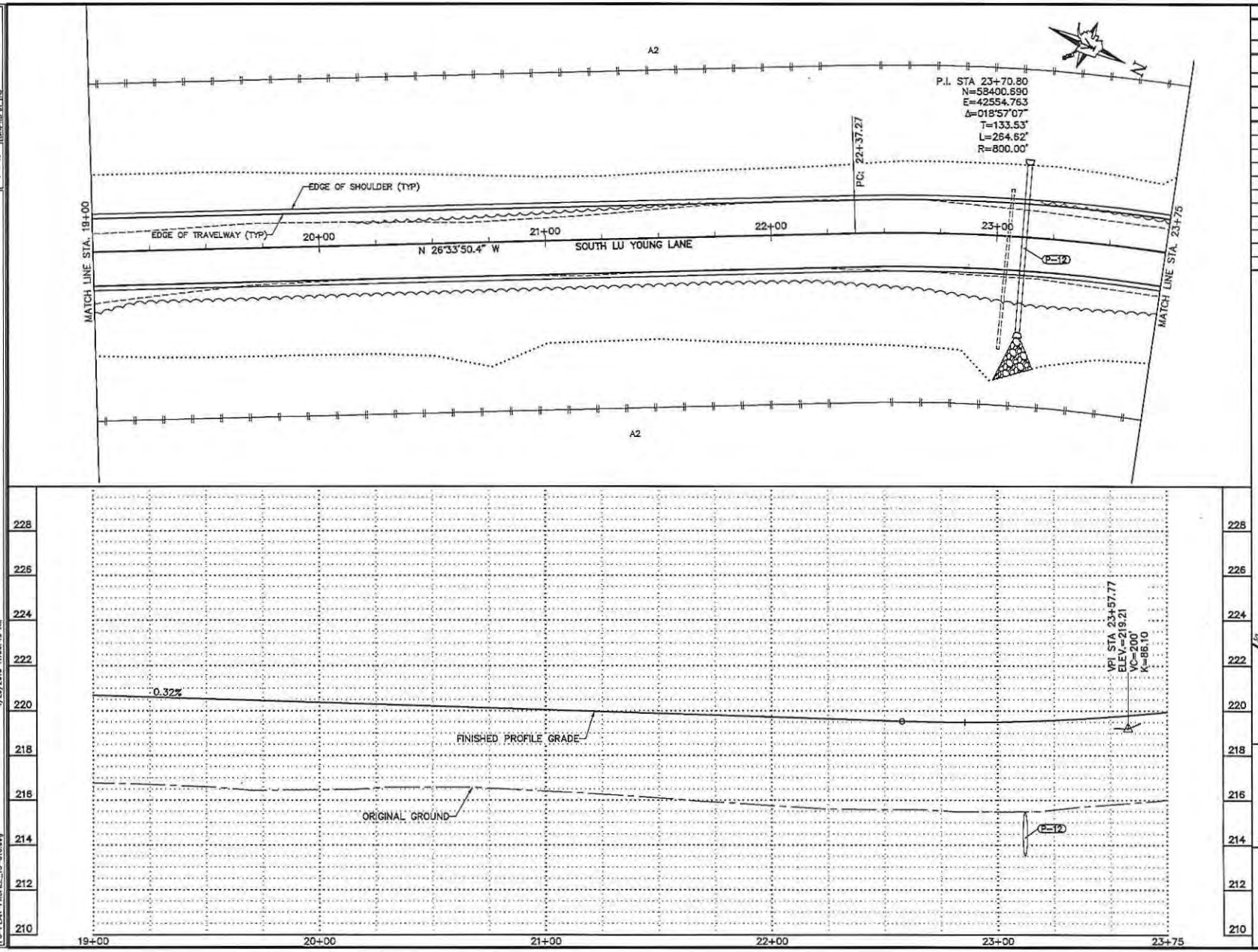


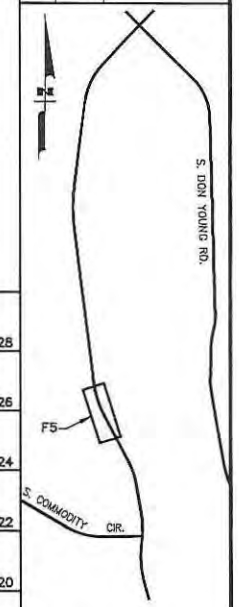
SHEET NO.	TOTAL SHEETS
F5	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA 49TH CHARLES F. CURTIS

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 19+00 – 23+75

SCALE 1" = 40'

DESIGNED BY LHK
DRAWN BY LHK
CHECKED BY HB

DATE 4/29/2015 11:56:45 AM

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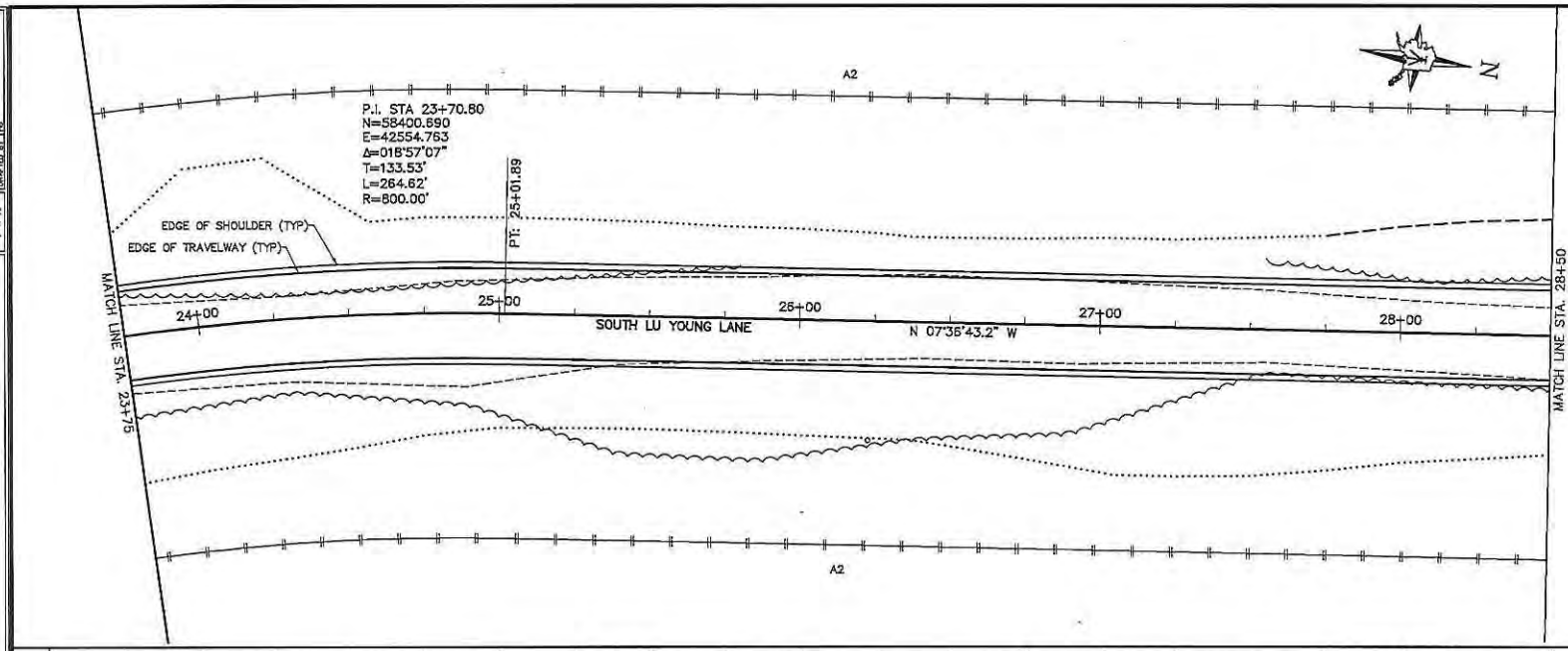
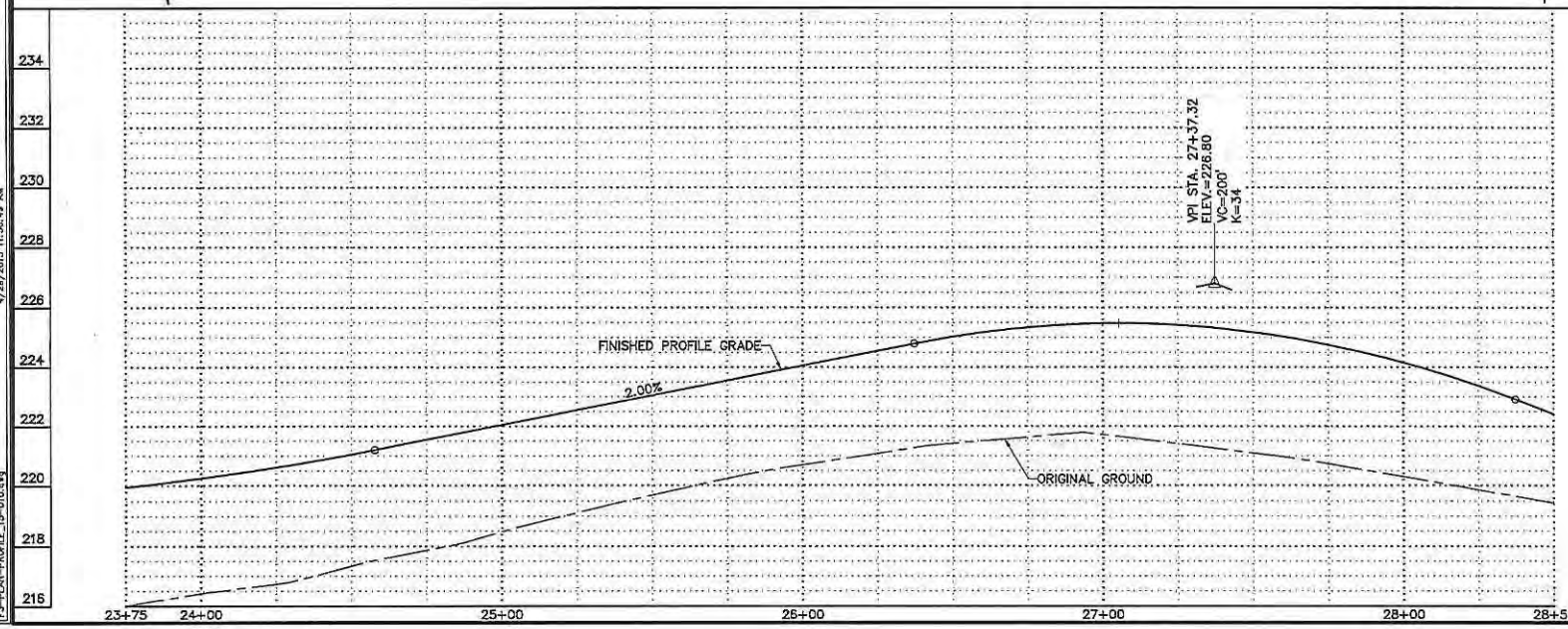
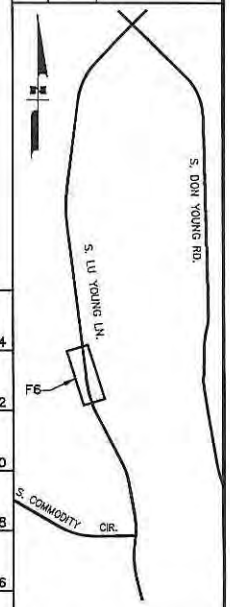






SHEET NO.	TOTAL SHEETS
F6	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH CHARLES P. CURTIS 05/07/51 04/24/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 23+75 – 28+50

SCALE 1" = 60'

DESIGNED BY: JHC
DRAWN BY: JHC
CHECKED BY: CPC

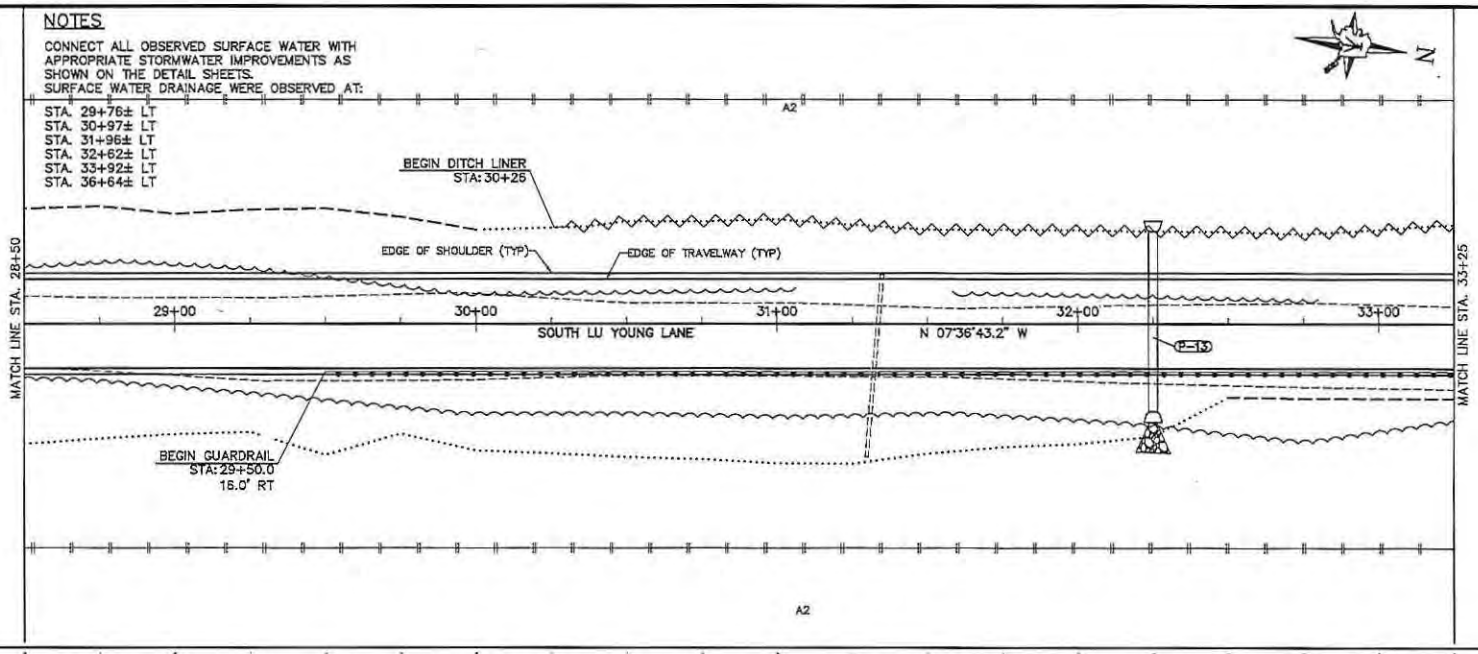
DATE 4/29/2015 11:56:49 AM

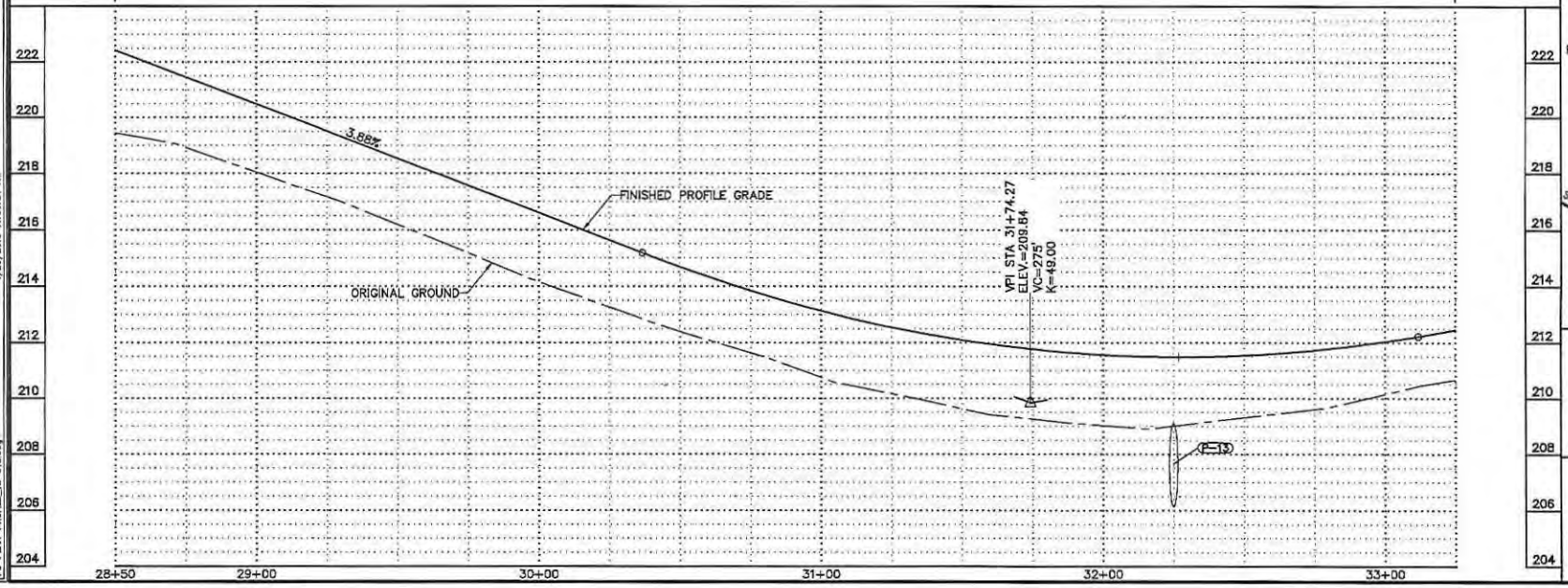
DRAWING FILE NAME F3-PLAN-PROFILE_15-010.dwg

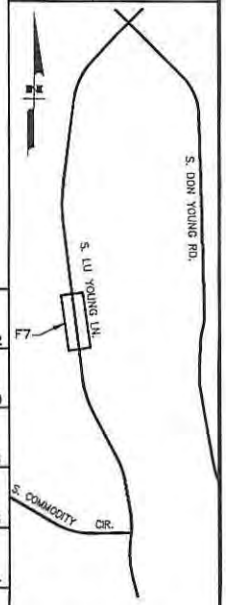
NOTES

CONNECT ALL OBSERVED SURFACE WATER WITH APPROPRIATE STORMWATER IMPROVEMENTS AS SHOWN ON THE DETAIL SHEETS.
SURFACE WATER DRAINAGE WERE OBSERVED AT:

STA. 29+76± LT
STA. 30+97± LT
STA. 31+96± LT
STA. 32+62± LT
STA. 33+92± LT
STA. 36+64± LT







SHEET NO.	TOTAL SHEETS
F7	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION
70001

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH CHARLES P. CURTIS CE-8751 04/24/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

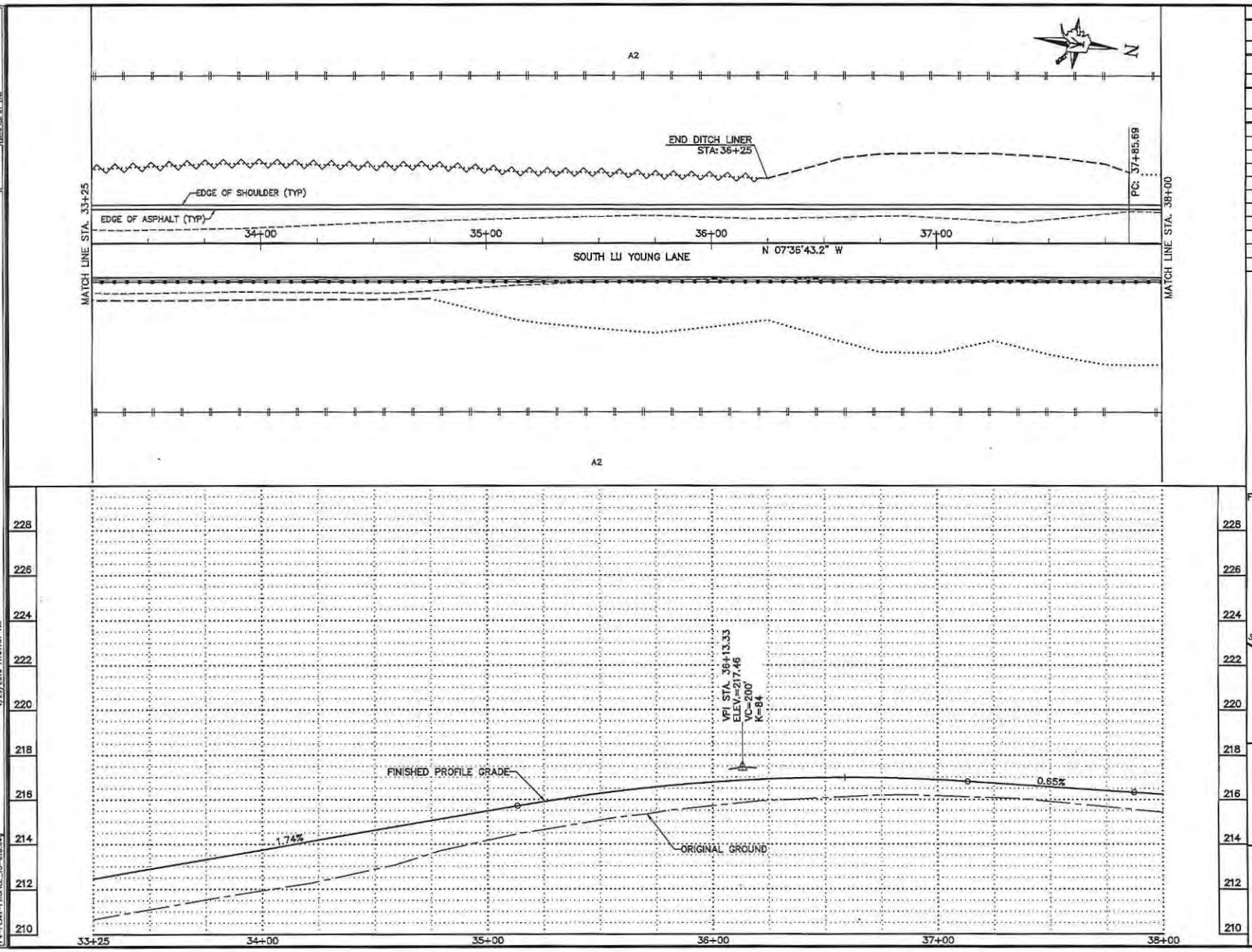
S. LU YOUNG LANE

PLAN AND PROFILE
STA 28+50 – 33+25

SCALE 1" = 40'
DESIGNED BY HH
DRAWN BY HK
CHECKED BY HK

DATE 4/29/2015 11:56:54 AM

DRAWING FILE NAME F3-PLAN-PROFILE_13-010.dwg



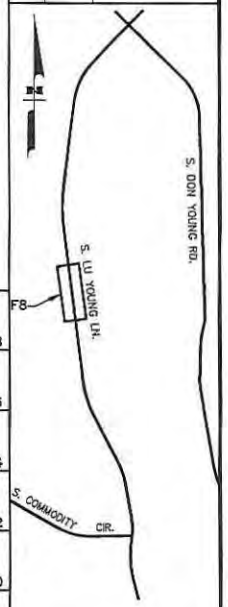
SHEET NO.	TOTAL SHEETS
F8	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. QUINTO
CE-8751
06/24/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

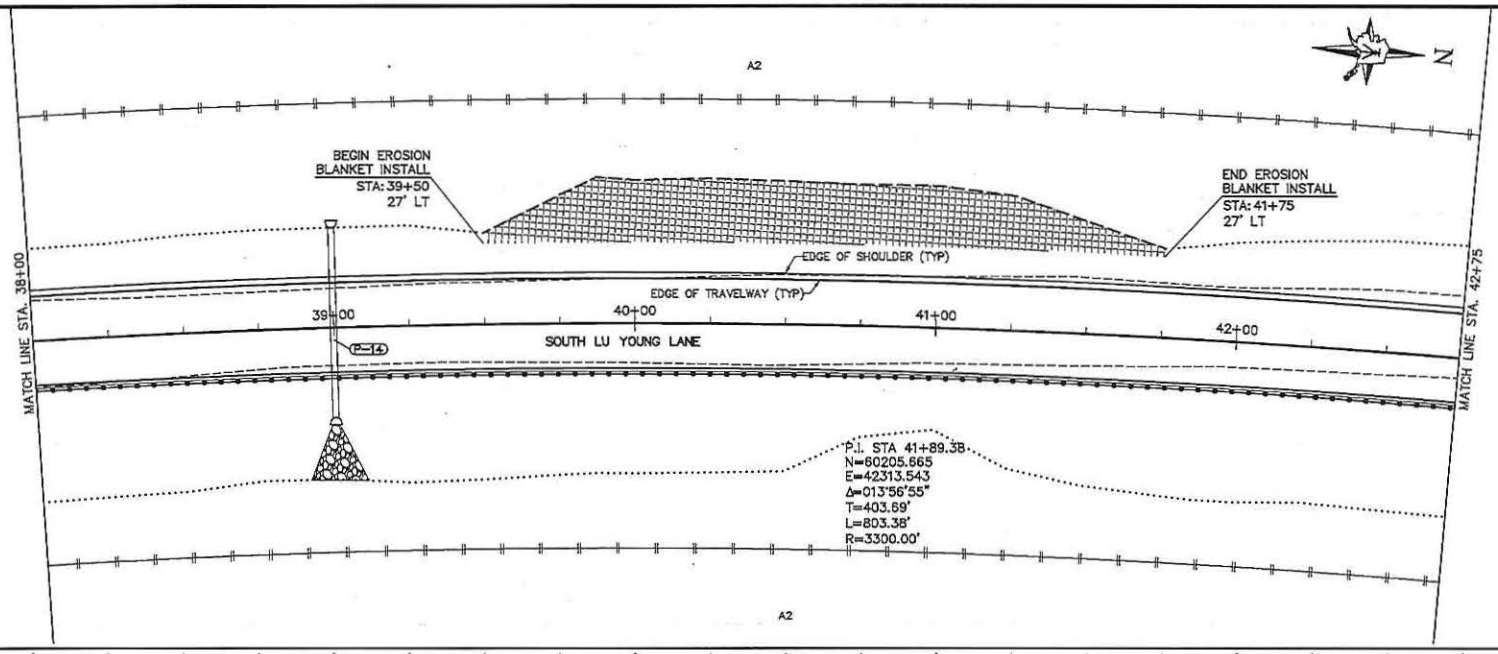
PLAN AND PROFILE
STA 33+25 – 38+00

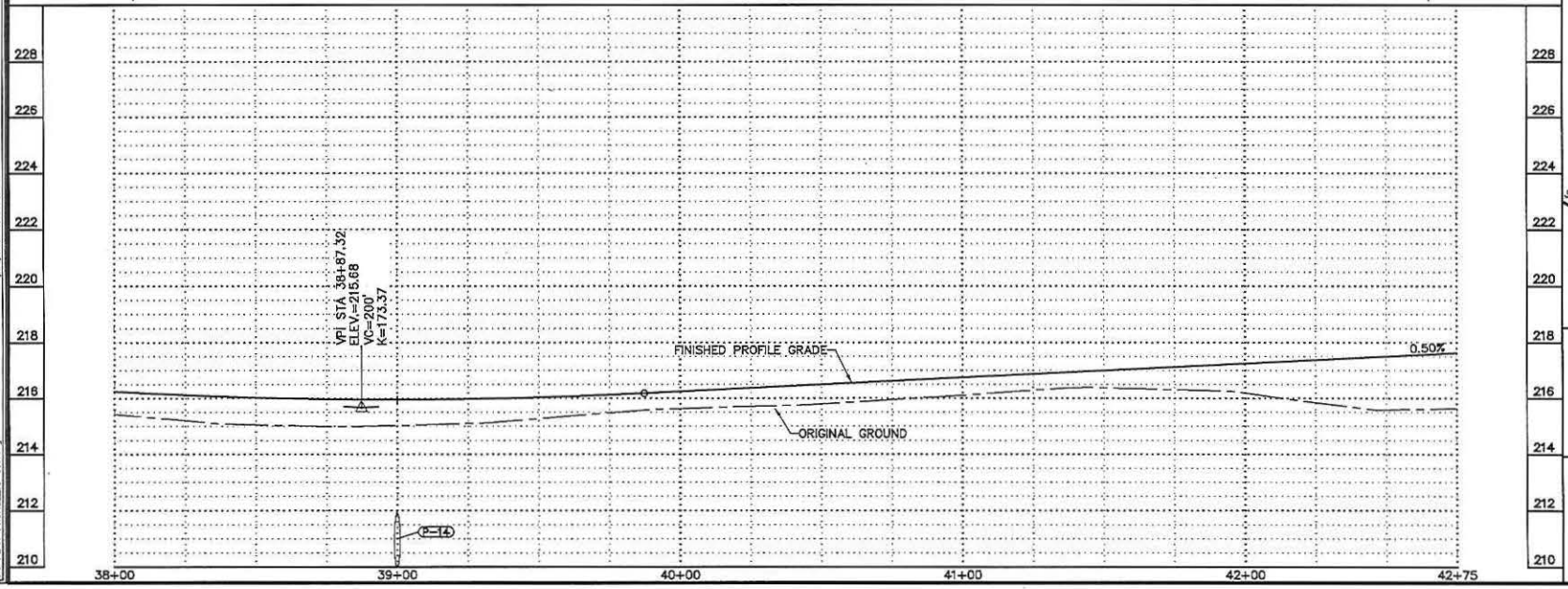
DESIGNED BY: LH
DRAWN BY: GCF
CHECKED BY: LHB

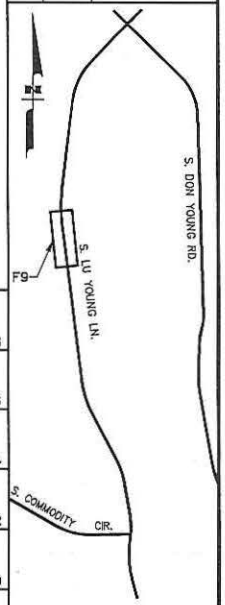
SCALE: 1" = 40'

DATE: 4/29/2015 11:57:37 AM

DRAWING FILE NAME: F4-PLAN-PROFILE_15-010.dwg







SHEET NO.	TOTAL SHEETS
F9	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA 49TH
CHARLES P. CURTIS
CE-4751
04/29/15
PROFESSIONAL ENGINEER

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

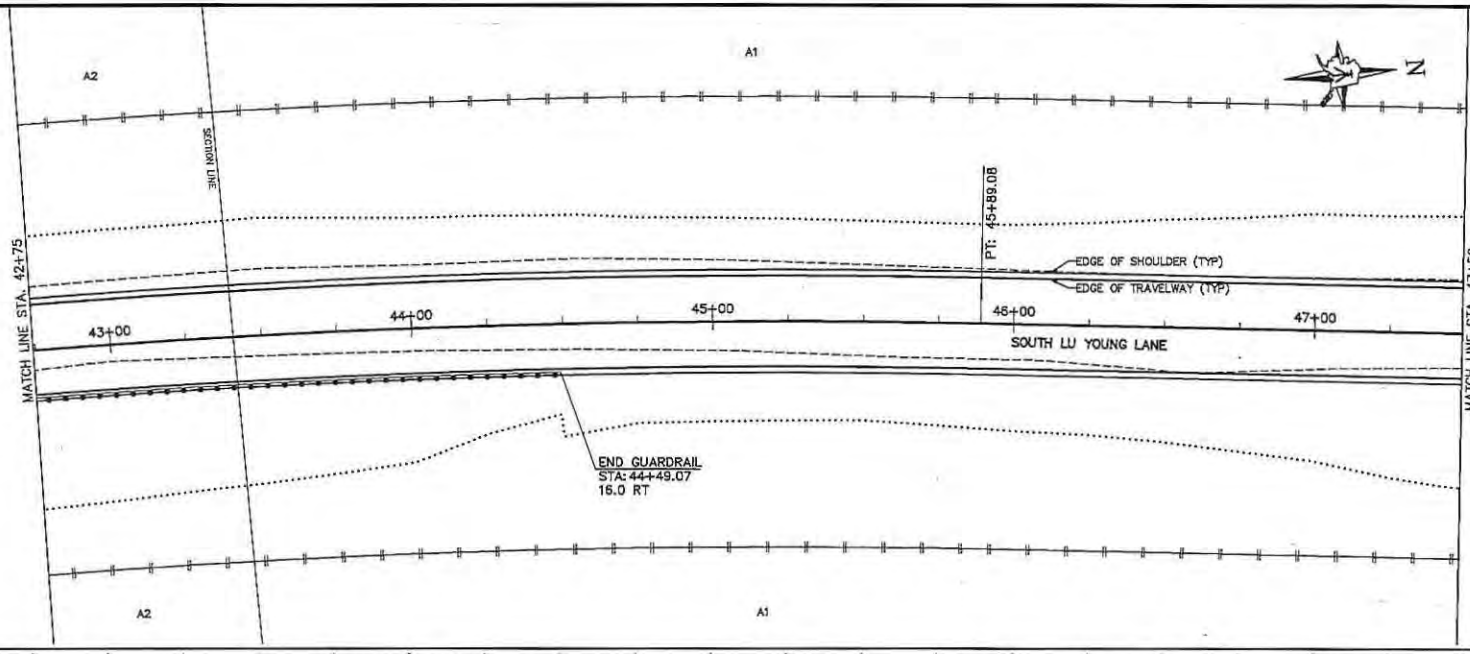
PLAN AND PROFILE
STA 38+00 – 42+75

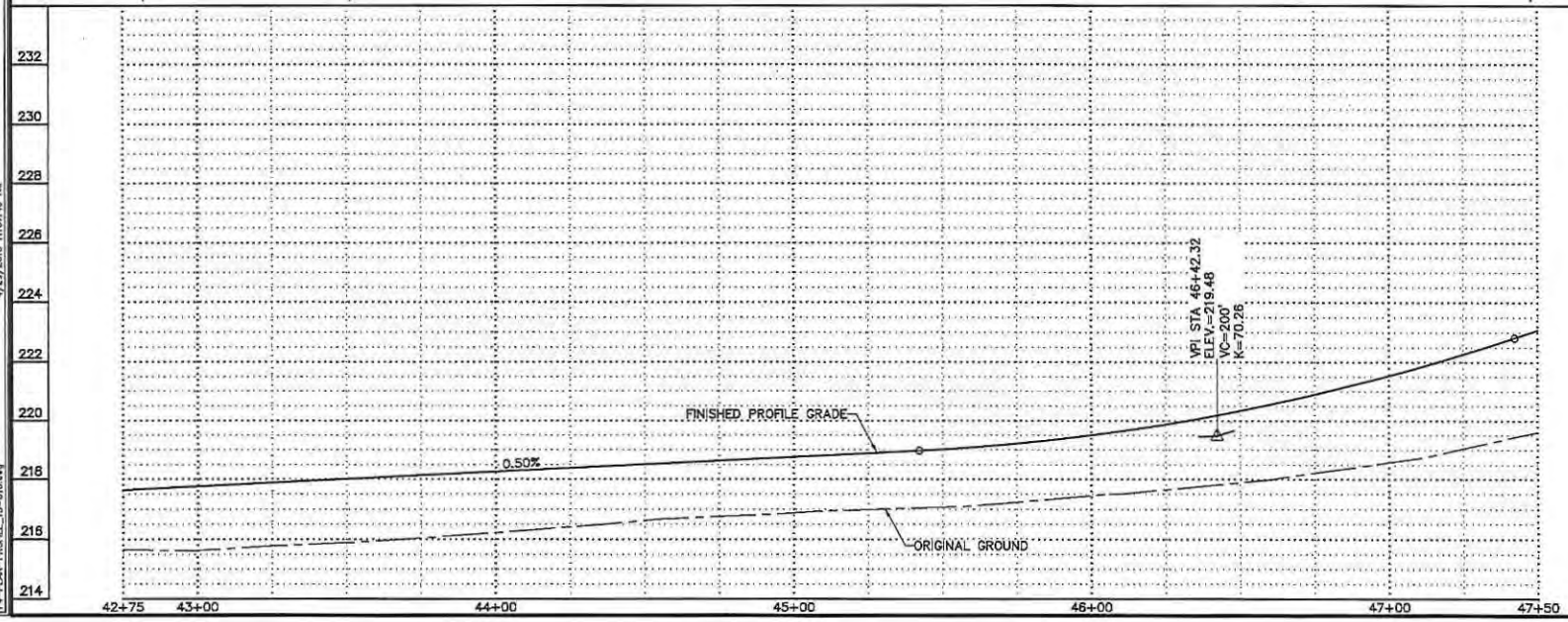
SCALE 1" = 40'

DESIGNED BY: LHK
DRAWN BY: DDC
CHECKED BY: CPC

DATE 4/29/2015 11:57:41 AM

DRAWING FILE NAME F4-PLAN-PROFILE_15-010.dwg





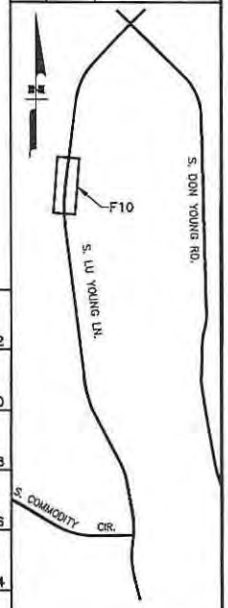
SHEET NO.	TOTAL SHEETS
F10	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. CURTIS
LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

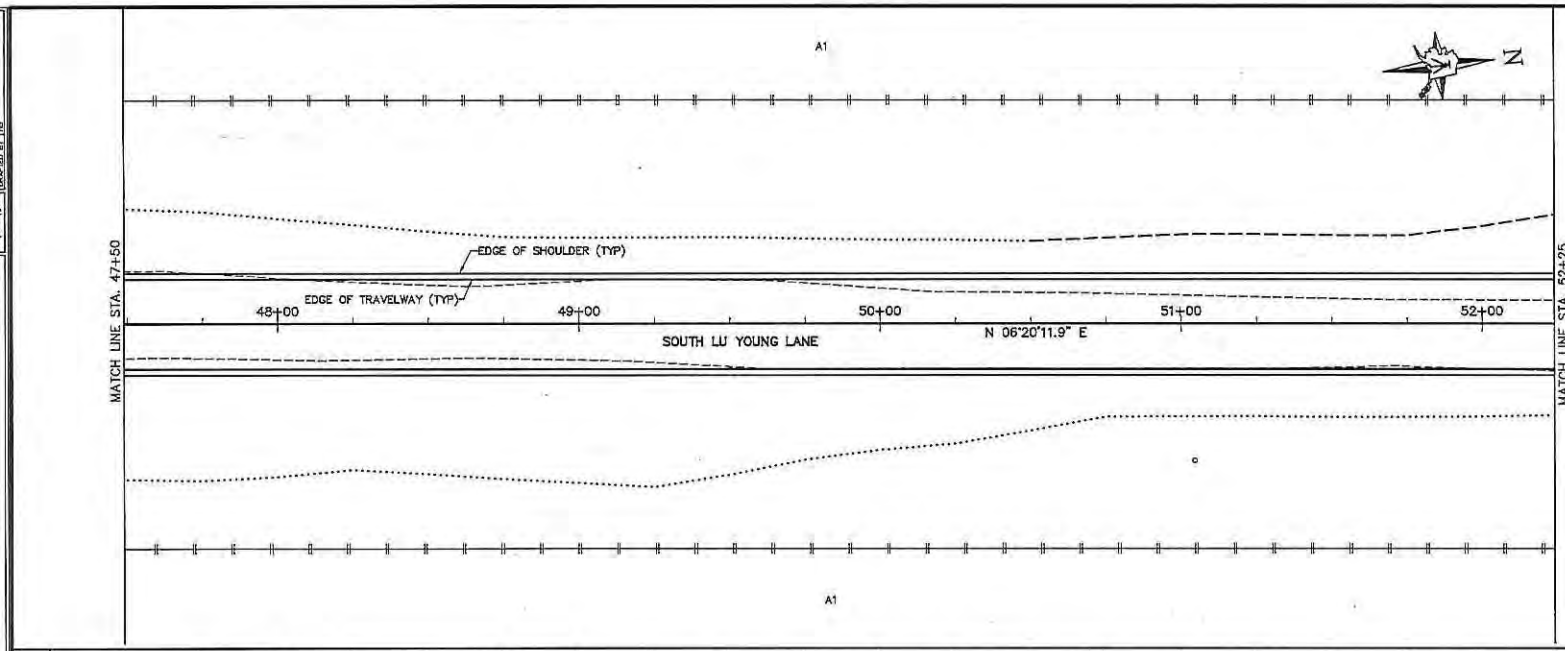
S. LU YOUNG LANE

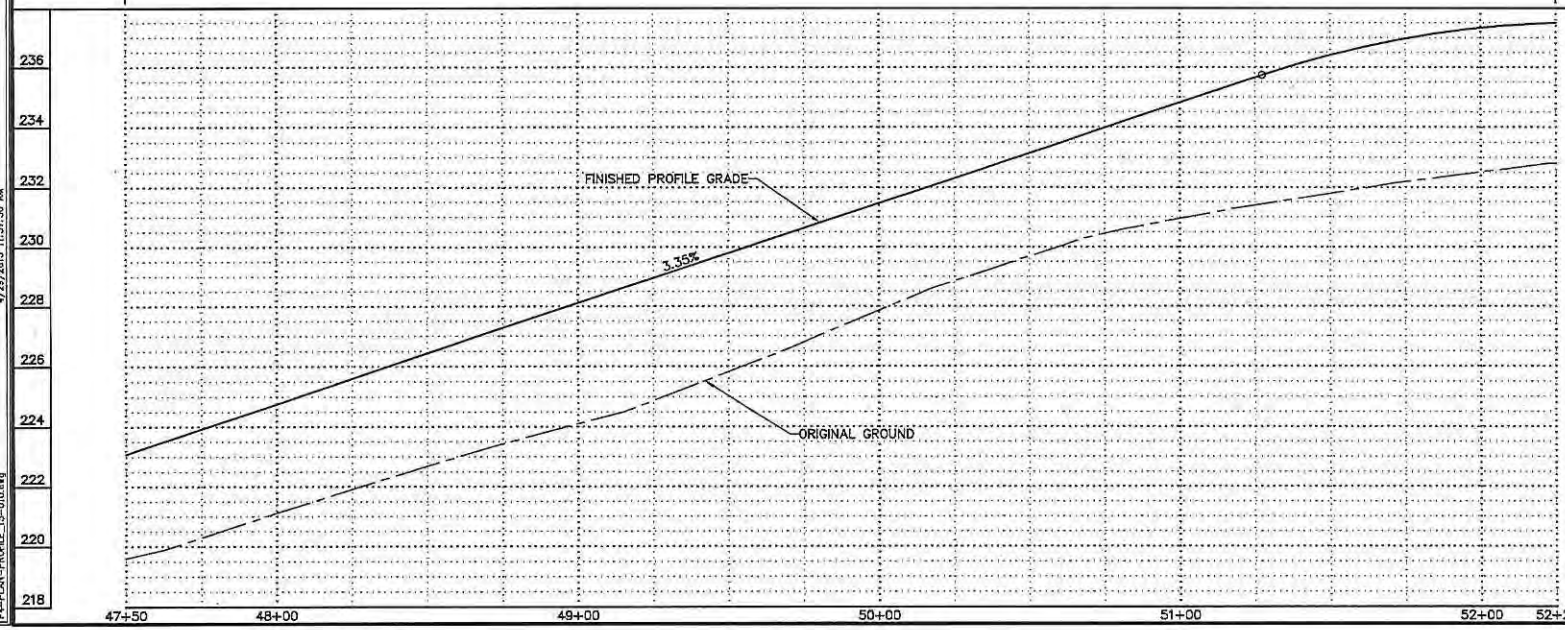
PLAN AND PROFILE
STA 42+75 – 47+50

SCALE 1" = 40'
DESIGNED BY JH
CHECKED BY DPC
DRAFTED BY HB

DATE 4/29/2015 11:57:48 AM

DRAWING FILE NAME F4-PLAN-PROFILE_15-010.dwg





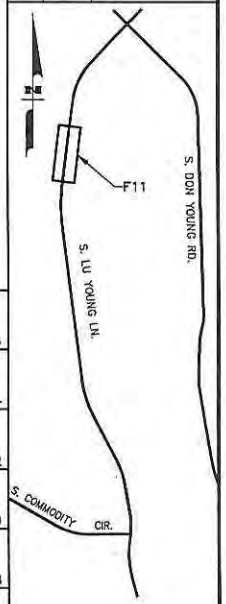
SHEET NO.	TOTAL SHEETS
F11	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. DEMTER
CE-8754
04/24/15

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

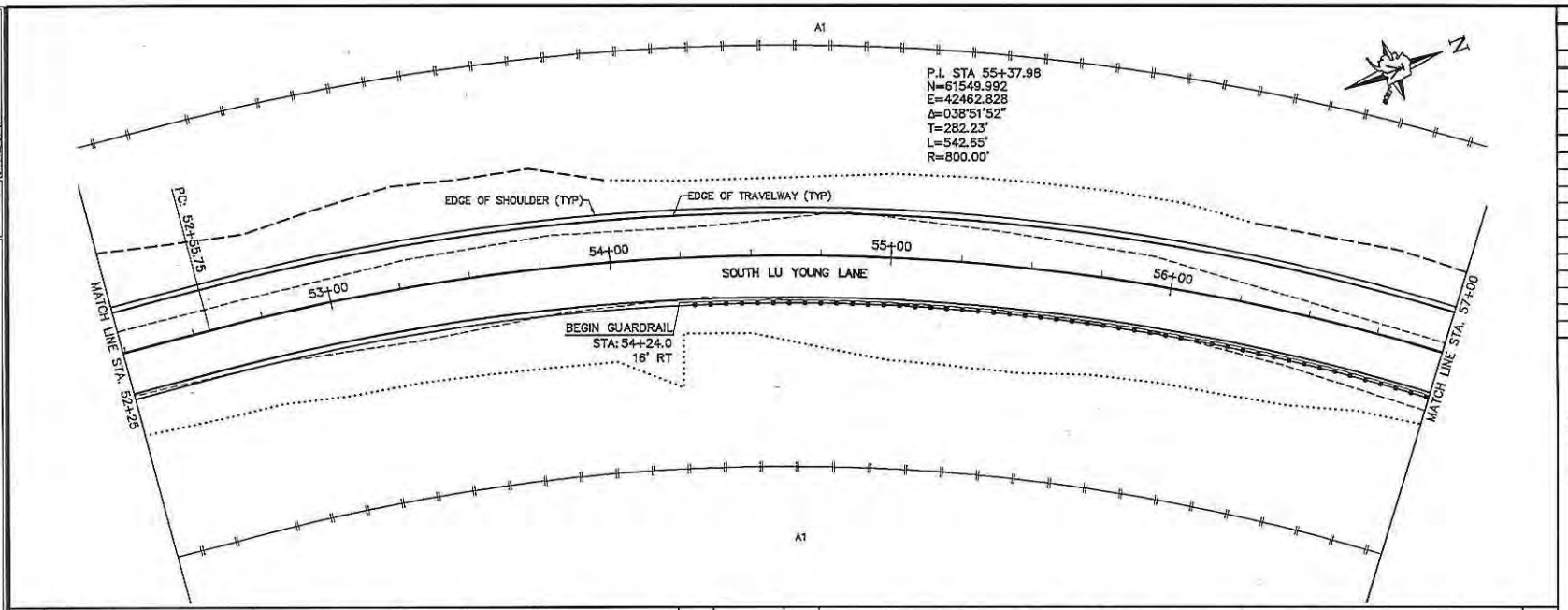
PLAN AND PROFILE
STA 47+50 – 52+25

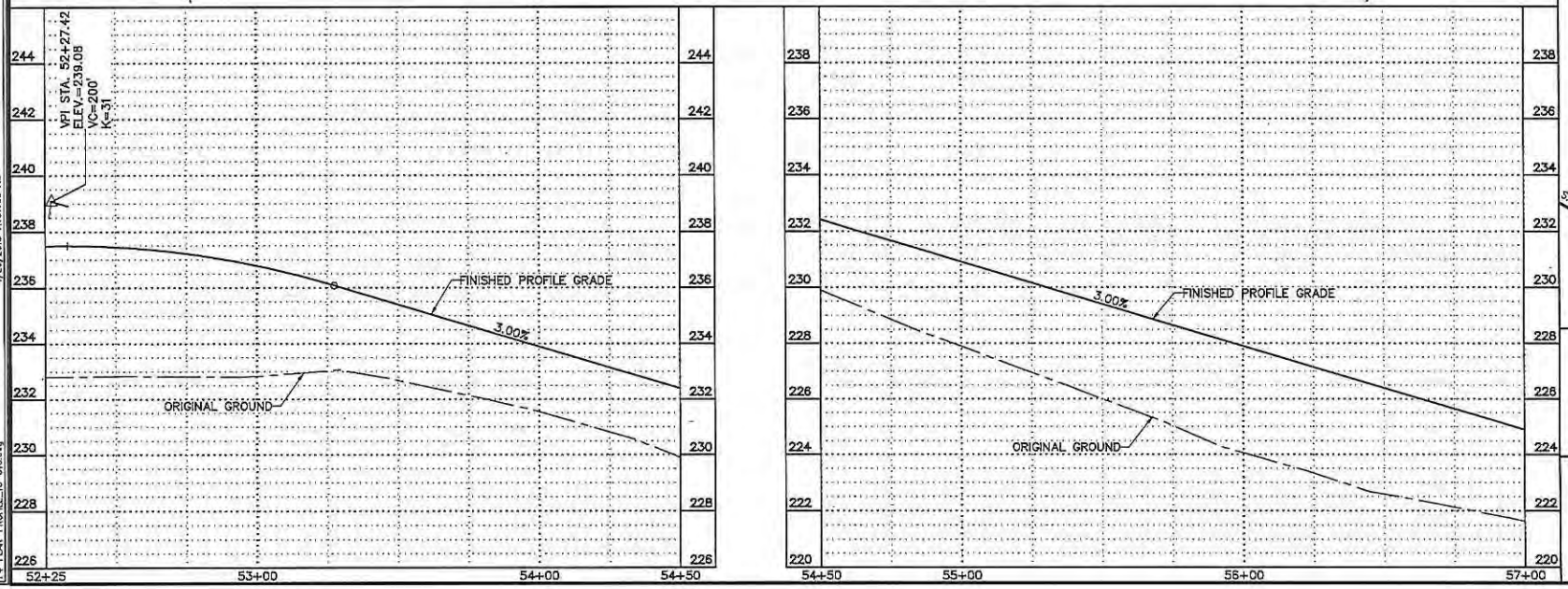
SCALE 1" = 40'

DESIGNED BY | HH
DRAWN BY | CPC
CHECKED BY | RB

DATE 4/29/2015 11:57:50 AM

DRAWING FILE NAME F4-PLAN-PROFILE_15-010.dwg

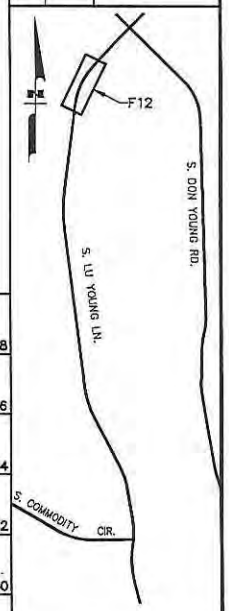




SHEET NO.	TOTAL SHEETS
F12	F14
STATE	YEAR
ALASKA	2015
PROJECT DESIGNATION	
70001	

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA
49TH
CHARLES P. CURTIS
CE-8701
ALASKA

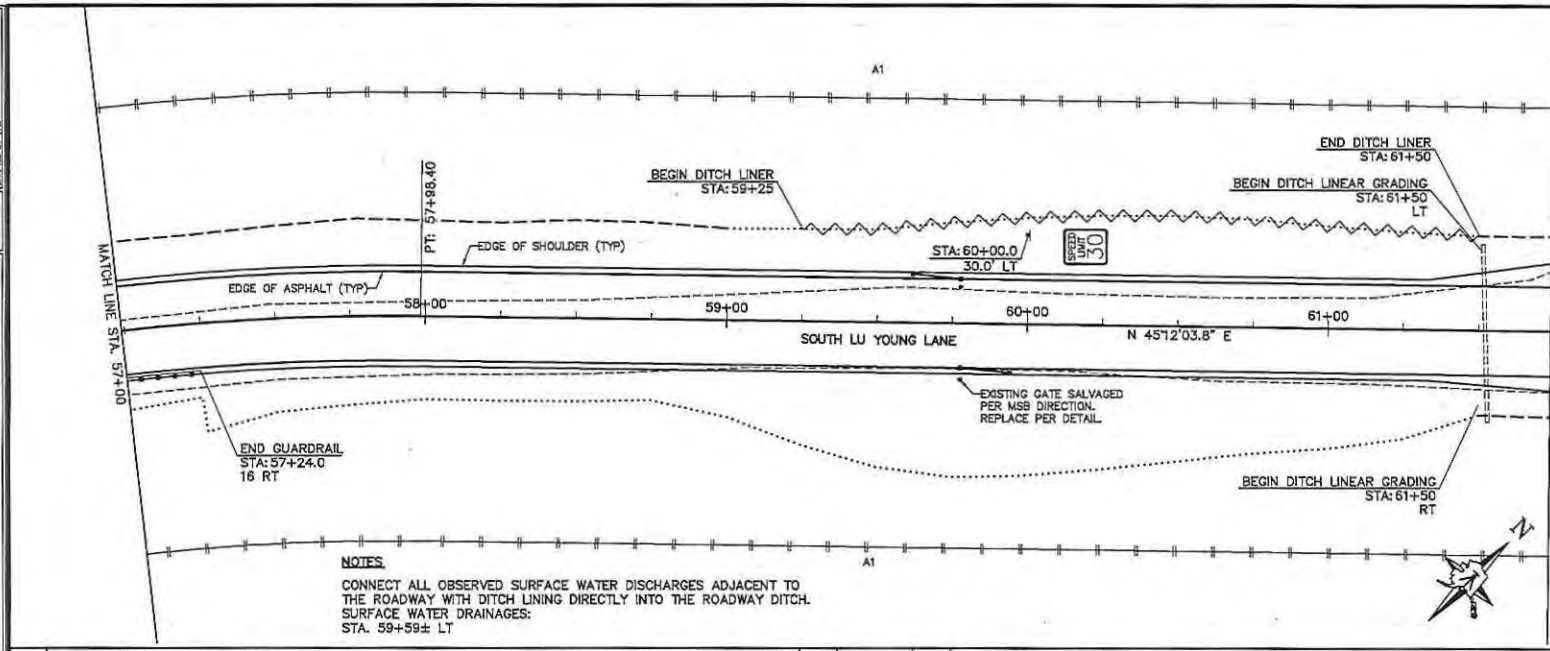
LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

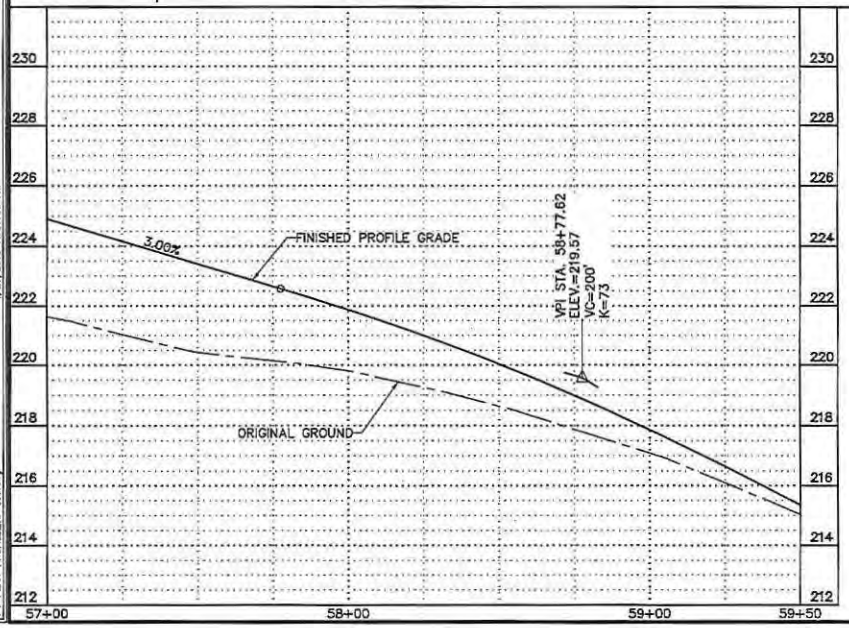
PLAN AND PROFILE
STA 52+25 – 57+00

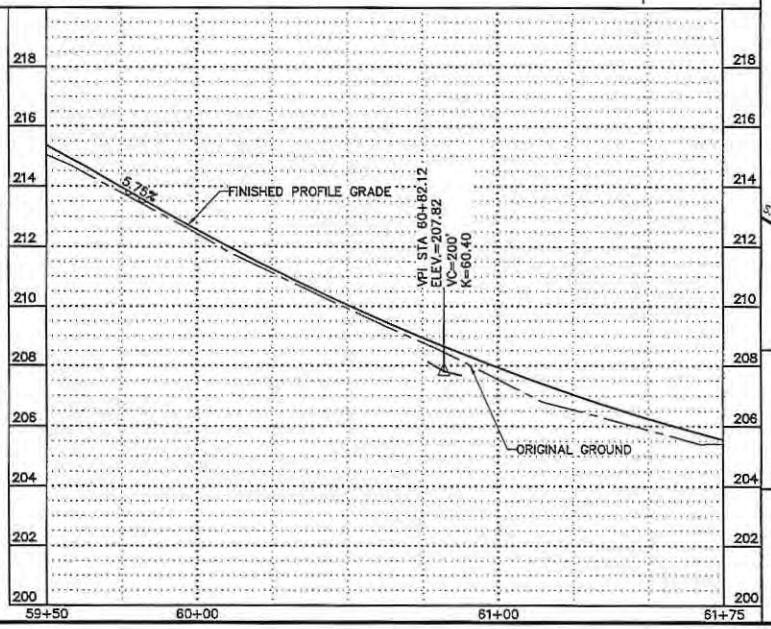
SCALE 1" = 40'
DESIGNED BY JM
CHECKED BY CPC
DRAWN BY HB
DATE 4/29/2015 11:57:55 AM
DRAWING FILE NAME F4-PLAN-PROFILE_15-010.dwg



NOTES

CONNECT ALL OBSERVED SURFACE WATER DISCHARGES ADJACENT TO THE ROADWAY WITH DITCH LINING DIRECTLY INTO THE ROADWAY DITCH.
SURFACE WATER DRAINAGES:
STA. 59+59± LT





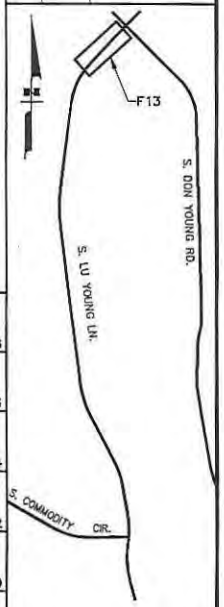
SHEET NO.	TOTAL SHEETS
F13	F14
STATE	YEAR
ALASKA	2015

PROJECT DESIGNATION

70001

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA 49TH CHARLES P. CURTIS CE-8751 04/24/15 REGISTERED PROFESSIONAL ENGINEER

LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

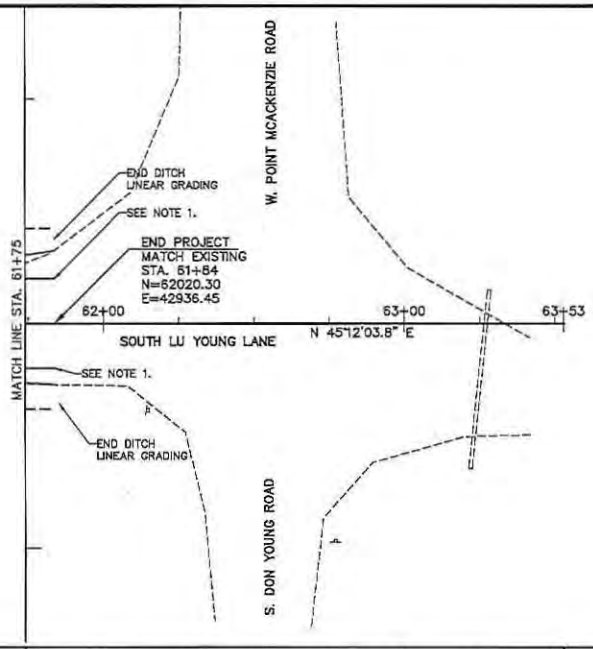
PLAN AND PROFILE
STA 57+00 – 61+75

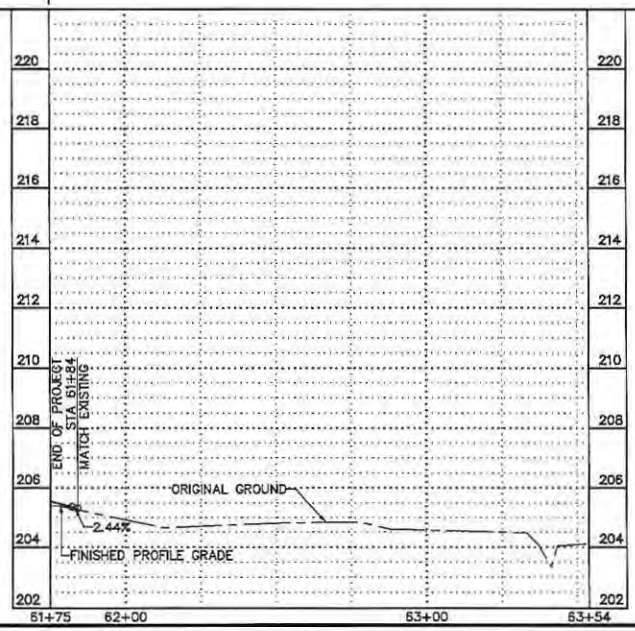
SCALE 1" = 40'

DESIGNED BY JHL
CHECKED BY CPC
DRAWN BY JHL

DATE 4/29/2015 11:51:59 AM

DRAWING FILE NAME F4-PLAN+PROFILE_15-010.dwg





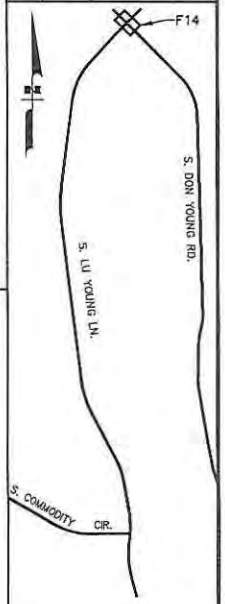
NOTES:

1. MATCH EXISTING ASPHALT WIDTH. EXACT ELEVATION AND LOCATION UNKNOWN.

SHEET NO.	TOTAL SHEETS
F14	F14
STATE	YEAR
ALASKA	2015
PROJECT DESIGNATION	
70001	

REVISIONS

NO.	DATE	DESCRIPTION



LOUNSBURY & ASSOCIATES, INC.

MAT-SU BOROUGH
PUBLIC WORKS DEPARTMENT

S. LU YOUNG LANE

PLAN AND PROFILE
STA 61+75 – 63+54

SCALE 1" = 40'

DESIGNED BY LHK
DRAWN BY LHK
CHECKED BY LHB

DATE 4/29/2015 11:58:04 AM

DRAWING FILE NAME F14-PLAN-PROFILE_15-010.dwg