

2023 FIRST AVENUE ROADWAY REPAIRS FOR BID

CITY OF KENAI



LOCATION MAP
SCALE: NOT TO SCALE



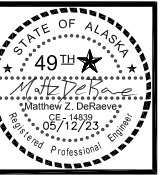
DRAWING INDEX

DRAWING

TITLE SHEET AND LOCATION MAP
LEGEND, SURVEY CONTROL, AND NOTES
SITE PLAN AND DAMAGE REGION PHOTOS
TYPICAL SECTIONS AND DETAILS
TYPICAL SECTIONS AND DETAILS
TYPICAL SECTIONS AND DETAILS

SHEET

C1
C2
C3
C4
C5
C6



NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL
155 BIDARCA ST
KENAI, AK 99611
TEL: (907) 283 - 3583
LICENSE NO. AEGC12119
NELSONENGINEER@ALASKA.NET

NELSON
ENGINEERING

2023 FIRST AVENUE ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
TITLE SHEET AND LOCATION MAP

PROJECT NO.
2022030.3
DRAWN BY:
GTP
CHECKED BY:
MJD/MZD
DATE: 5/12/2023
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: **C1**

LEGEND

EXISTING (E)	PROPOSED (P)	
		CENTERLINE ROAD
		CONTOUR LINES
		EDGE OF PAVEMENT
		EDGE OF R.O.W.
		TREELINE
		UTILITY - COMMUNICATION
		UTILITY - ELECTRIC (OVERHEAD)
		UTILITY - ELECTRIC (UNDERGROUND)
		UTILITY - GAS
		UTILITY - WATER
		UTILITY - SEWER
		COMMUNICATION PEDESTAL
		CONTROL POINT
		ELECTRICAL TRANSFORMER
		HYDRANT
		POWER POLE
		SANITARY SEWER MANHOLE
		TEST HOLE LOCATION
		VALVE BOX
		ASPHALT PAVEMENT
		DEMO AND REPLACE CURB, GUTTER, SIDEWALK, AND ASPHALT PAVEMENT WITHIN CITY ROW
		DEMO AND REPLACE ASPHALT PAVEMENT WITHIN ADOT ROW

ABBREVIATIONS

AC	ASPHALT CONCRETE, ACRE	MIN	MINIMUM
ADA	AMERICAN DISABILITIES ACT	MKR	MARKER POST
ALUM	ALUMINUM	MON	MONUMENT
APPROX	APPROXIMATE	N	NORTH
AVG	AVERAGE	NFS	NON FROST SUSCEPTIBLE
BLDG	BUILDING	NTS	NOT TO SCALE
BOP	BOTTOM OF PIPE	OC	ON CENTER
BVCE	BEGIN VERTICAL CURVE ELEVATION	OFF	OFFSET
BVCS	BEGIN VERTICAL CURVE STATION	OHE	OVERHEAD ELECTRIC
C.O.	CLEANOUT	PI	POINT OF INTERSECTION
CIP	CAST IRON PIPE	PL	PROPERTY LINE
CL	CENTER LINE, CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PT	POINT
CNTR	CENTER	PVI	POINT OF VERTICAL INTERSECTION
CONC	CONCRETE	PVMT	PAVEMENT
CP	CONTROL POINT	R	RADIUS, RECORD
DIA	DIAMETER	REQ'D	REQUIRED
DW	DRIVEWAY	RG	RAIN GARDEN
DWG	DRAWING	ROW	RIGHT-OF-WAY
E	EAST, ELECTRIC	S	SOUTH
EA	EACH	S/W	SIDEWALK
EG	EXISTING GROUND	SW	SWALE
EL, ELEV	ELEVATION	SH	SHOULDER
EOP	END OF PROJECT	SS	SANITARY SEWER/SEWER SERVICE
EP	EDGE OF PAVEMENT	SSL	SANITARY SEWER LIFT STATION
ESMT	EASEMENT	SSMH	SANITARY SEWER MANHOLE
EXIST	EXISTING	STA	STATION
FF	FINISH FLOOR	TBC	TOP BACK OF CURB
FG	FINISH GRADE	TBM	TEMPORARY BENCHMARK
FT	FOOT, FEET	TC	TOP OF CONCRETE
F&I	FURNISH AND INSTALL	TP	TEST PIT
GD	GROUND	TYP	TYPICAL
GR	GRADE	UGC	UNDERGROUND COMMUNICATION
HYD	HYDRANT	UGE	UNDERGROUND ELECTRIC
INV	INVERT	VB	VALVE BOX
L	LENGTH	W	WATER, WEST
LF	LINEAR FEET	WS	WATER SERVICE
LT	LEFT		
LVC	LENGTH OF VERTICAL CURVE		
MAX	MAXIMUM		
ME	MATCH EXISTING		

GENERAL NOTES

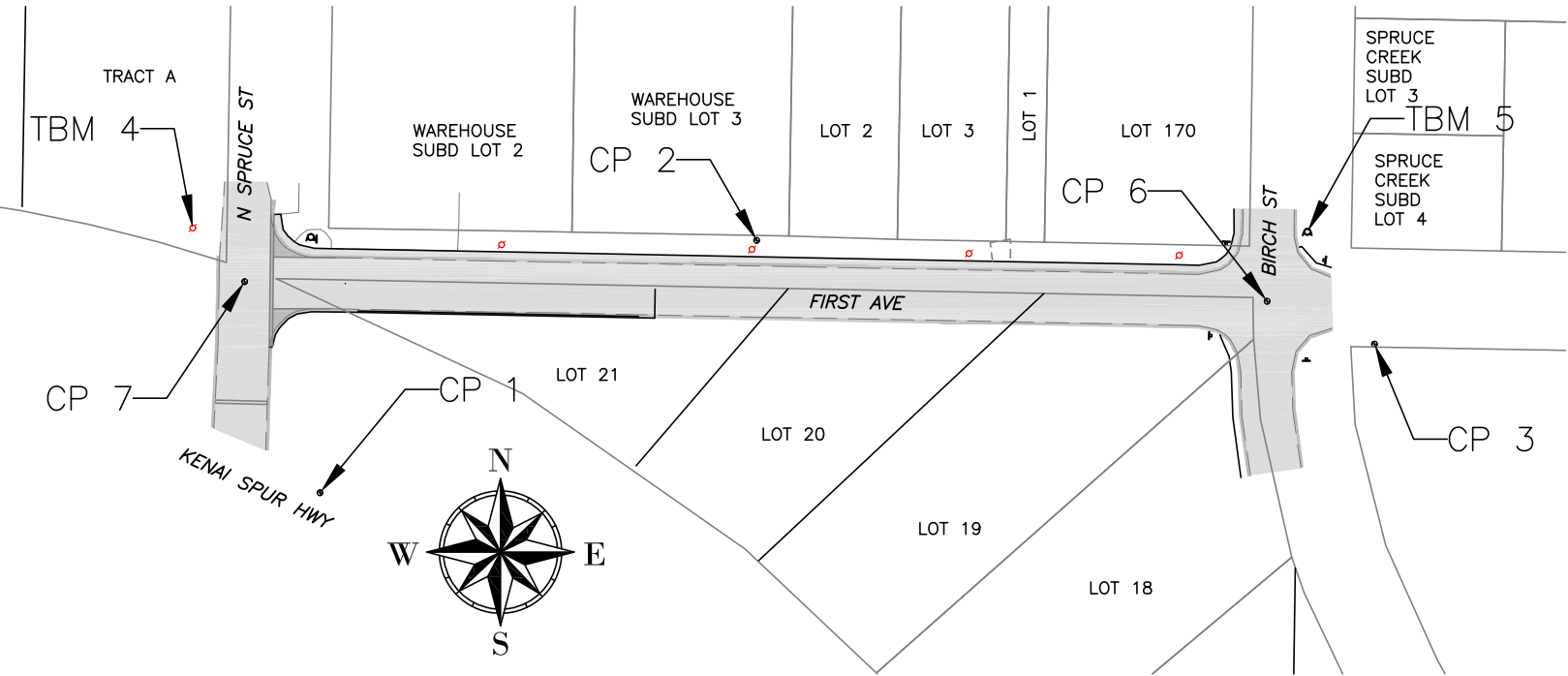
- DRAWINGS BASED ON OF TOPOGRAPHIC SURVEY BY PENINSULA SURVEYING, LLC, DATED JUNE 9, 2022.
- LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. ACTUAL DEPTH, NUMBER AND LOCATION UNKNOWN. BURIED UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, IDENTIFYING, AND WORKING AROUND ALL UTILITIES WITHIN THE PROJECT LIMITS AT NO ADDITIONAL COST TO THE OWNER. CALL FOR LOCATES PRIOR TO EXCAVATION, ALASKA DIGLINE 1-800-478-3121. THE CITY OF KENAI DOES NOT PARTICIPATE IN THE ALASKA DIGLINE. CONTRACTOR SHALL CONTACT CITY OF KENAI PUBLIC WORKS AT 907-283-8236 FOR WATER/SEWER/STREET LIGHT UTILITY LOCATES.
- THE FOLLOWING ALASKA STATUTES APPLY TO WORK NEAR OVERHEAD ELECTRIC LINES:

AS 18.60.670 PROHIBITION AGAINST PLACEMENT OF EQUIPMENT NEAR ELECTRICAL LINE AND CONDUCTORS.

(1) PLACE ANY TYPE OF TOOL, EQUIPMENT, MACHINERY, OR MATERIAL THAT IS CAPABLE OF LATERAL, VERTICAL, OR SWINGING MOTION, WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

(2) STORE, OPERATE, ERECT, MAINTAIN, MOVE, OR TRANSPORT TOOLS, MACHINERY, EQUIPMENT, SUPPLIES, MATERIALS, APPARATUS, BUILDINGS, OR OTHER STRUCTURES WITHIN 10 FEET OF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.

AS 18.60.680 ANY WORK WITHIN MINIMUM DISTANCE STATED ABOVE SHALL REQUIRE CONTACT WITH HEA TO INSTALL TEMPORARY MECHANICAL BARRIERS, TEMPORARY DE-ENERGIZATION AND GROUNDING, OR TEMPORARY RAISING OF CONDUCTORS.
- IF NOT DETAILED IN THESE DRAWINGS AND SPECIFICATIONS, ALL APPLICABLE CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (M.A.S.S.), LATEST EDITION. REPLACE "AWWU" WITH "CITY OF KENAI" THROUGHOUT SPECIFICATIONS. PROJECT DRAWINGS AND PROJECT SPECIFICATIONS TAKE PRECEDENCE OVER M.A.S.S.
- CONTRACTOR IS REQUIRED TO FIND ALL PROPERTY PINS/MONUMENTS WITHIN PROJECT AREA AND PROTECT OR REPLACE AFTER CONSTRUCTION IS COMPLETE.
- SEED ALL AREAS DISTURBED BY CONSTRUCTION PER M.A.S.S., LATEST EDITION.
- CONTOURS SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES AND SHOULD ONLY BE USED AS A REPRESENTATION OF EXISTING GRADES. SURVEYED ELEVATIONS ARE SHOWN ON THE ROAD PROFILES.
- CONTRACTOR SHALL ADHERE TO LOCAL REQUIREMENTS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
- TRAFFIC MARKINGS:
-PROVIDE 4" DOUBLE SOLID YELLOW STRIP AT CENTERLINE OF ROAD



CONTROL POINTS

POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP 1	REBAR WITH RED PLASTIC CAP	2398644.17	1411885.55	107.71
CP 2	REBAR WITH YELLOW PLASTIC CAP	2398807.01	1412167.35	108.74
CP 3	REBAR WITH RED PLASTIC CAP	2398740.12	1412566.02	108.27
CP 6	2" ALUMINUM MONUMENT	2398767.74	1412496.76	107.95
CP 7	2" ALUMINUM MONUMENT	2398780.36	1411836.97	105.89
TBM 4	SPIKE IN POWER POLE	2398816	1411804	109.21
TBM 5	NORTH BOLT ON UPPER HYDRANT FLANGE	2398813	1412523	111.19

A CONTROL PLAN

C2 GRAPHIC SCALE: 1"=60' (22X34), 1"=120' (11X17)



NO.	REVISION	DATE

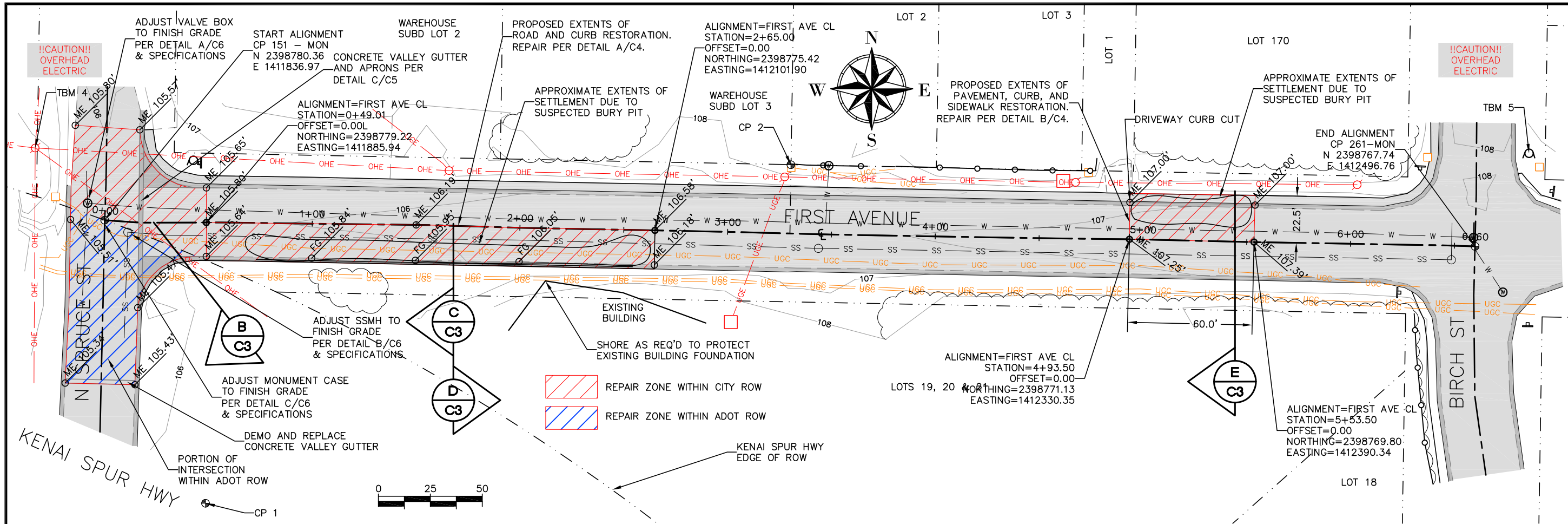
CONSULTING ENGINEERS
STRUCTURAL/CIVIL

155 BIDARCA ST
KENAI, AK 99611
TEL: (907) 283-3583
LICENSE NO. AEGC1219
NELSONENGINEER@ALASKA.NET

NELSON
ENGINEERING

2023 FIRST AVENUE ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
LEGEND, SURVEY CONTROL, AND NOTES

PROJECT NO.
2022030.3
DRAWN BY:
GTP
CHECKED BY:
MJD/MZD
DATE: 5/12/2023
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: C2
2 OF 6



A **C3** **SITE PLAN**
GRAPHIC SCALE: 1"=25' (22X34), 1"=50' (11X17)



B **C3** **DAMAGE REGION**
SCALE: NTS



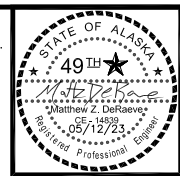
C **C3** **DAMAGE REGION**
SCALE: NTS



D **C3** **DAMAGE REGION**
SCALE: NTS



E **C3** **DAMAGE REGION**
SCALE: NTS



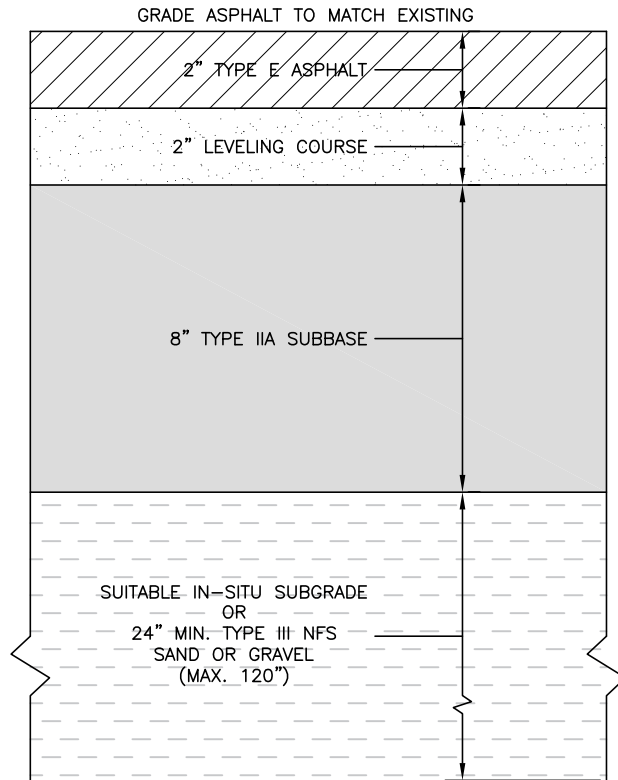
NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL
155 BIDARCA ST
KENAI, AK 99611
TEL: (907) 283-3583
LICENSE NO. AEGC1219
NELSONENGINEER@ALASKA.NET

NELSON
ENGINEERING

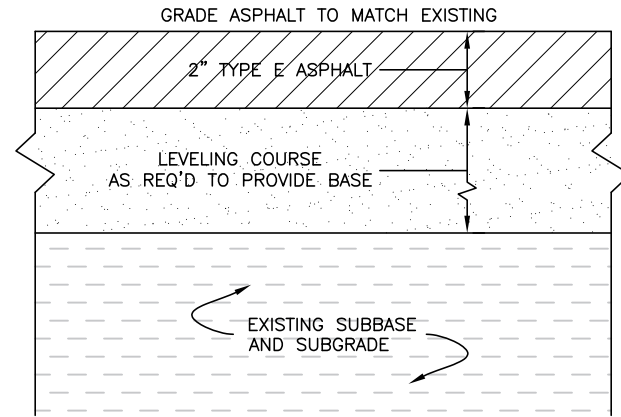
2023 FIRST AVENUE ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
SITE PLAN AND DAMAGE REGION PHOTOS

PROJECT NO.
2022030.3
DRAWN BY:
GTP
CHECKED BY:
MJD/MZD
DATE: 5/12/2023
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: **C3**
3 OF 6



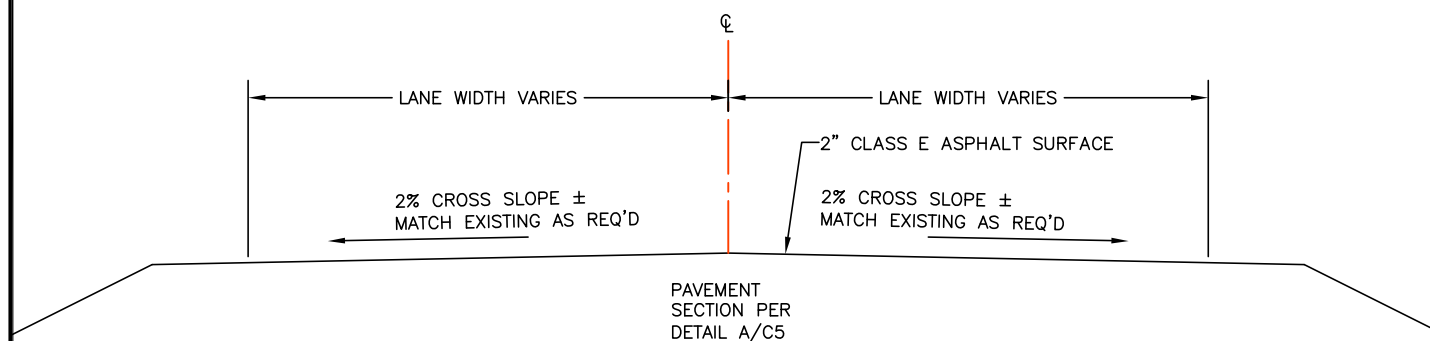
NOTE: SUITABILITY OF EXISTING SUBGRADE IS TO BE DETERMINED BY THE ENGINEER.

MAJOR SETTLEMENT OR BURY PIT AREAS

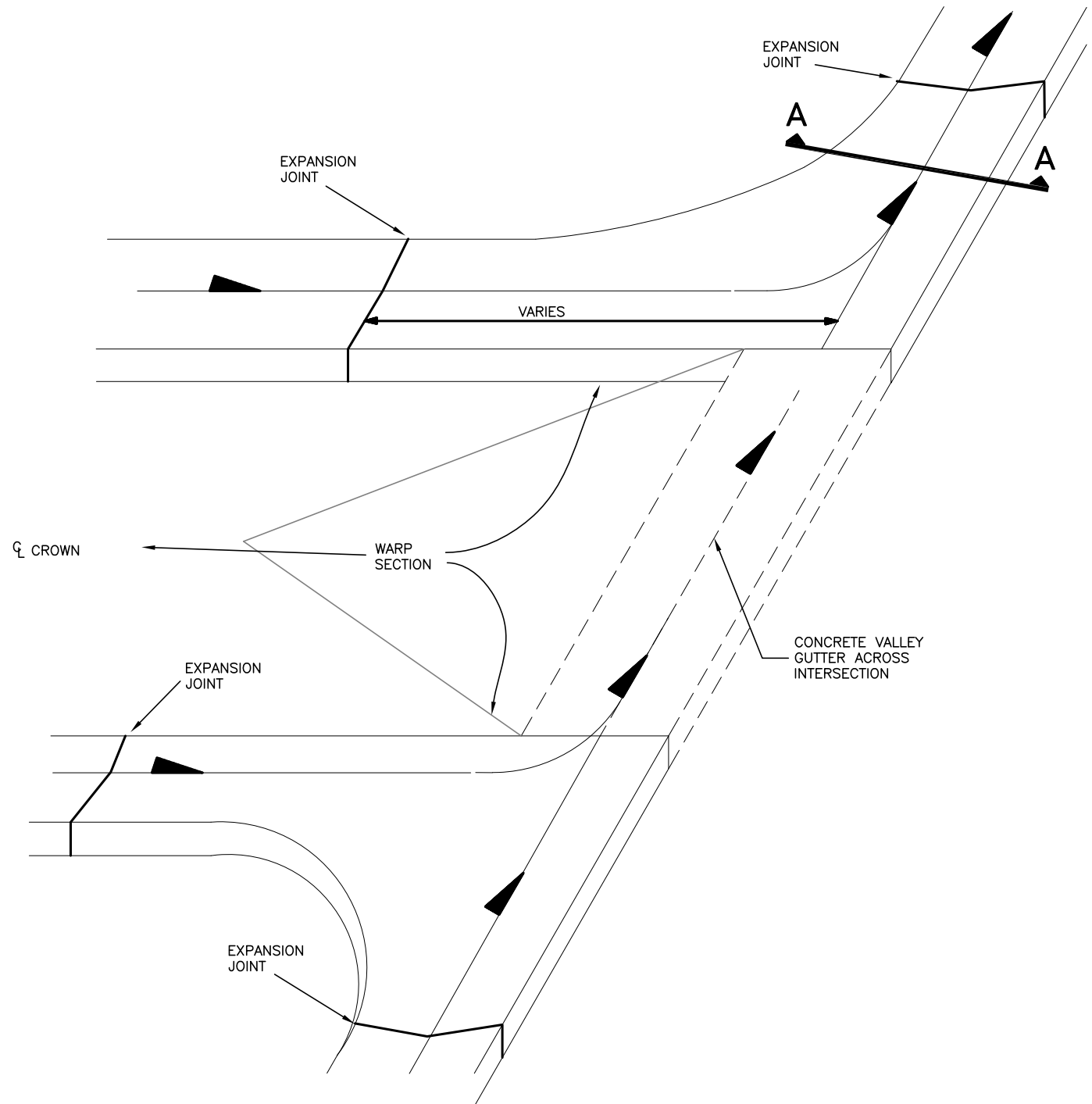


PAVEMENT SURFACE RESTORATION AREAS

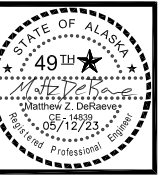
A TYPICAL PAVEMENT SECTIONS
SCALE: NTS



B TYPICAL ROAD CROWN DETAIL
SCALE: NTS



C TYPICAL INTERSECTION W/ CURB AND GUTTER TRANSITIONS
SCALE: NTS



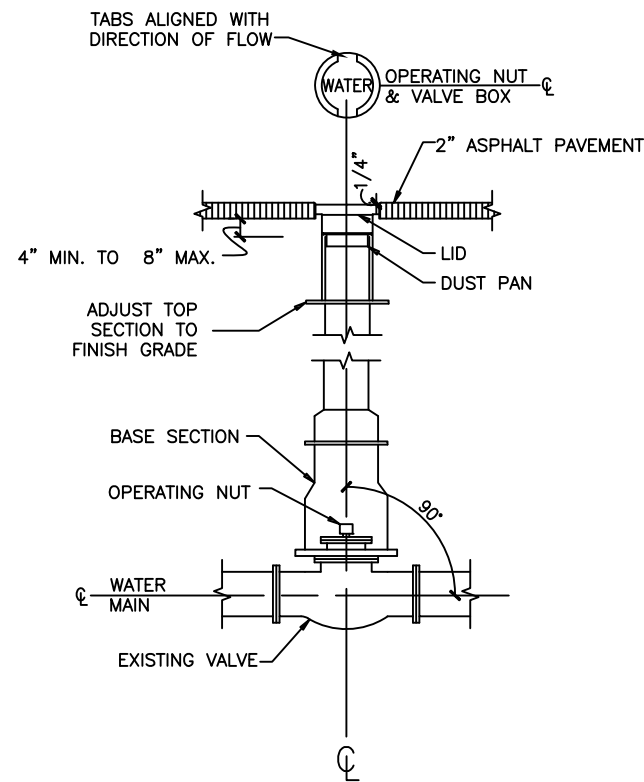
NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL
155 BIDARCA ST
KENAI, AK 99611
TEL: (907) 283 - 3583
LICENSE NO. AEGC12119
NELSONENGINEER@ALASKA.NET

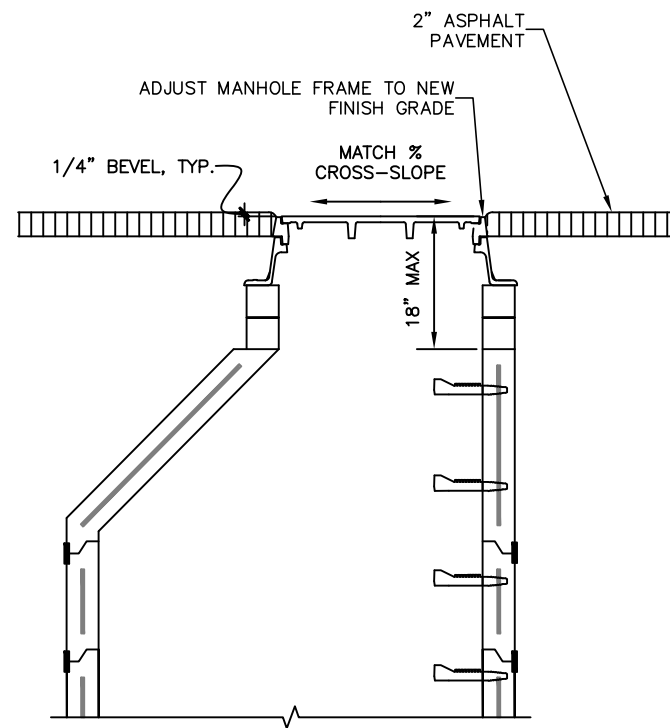
NELSON ENGINEERING

2023 FIRST AVENUE ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
TYPICAL SECTIONS AND DETAILS

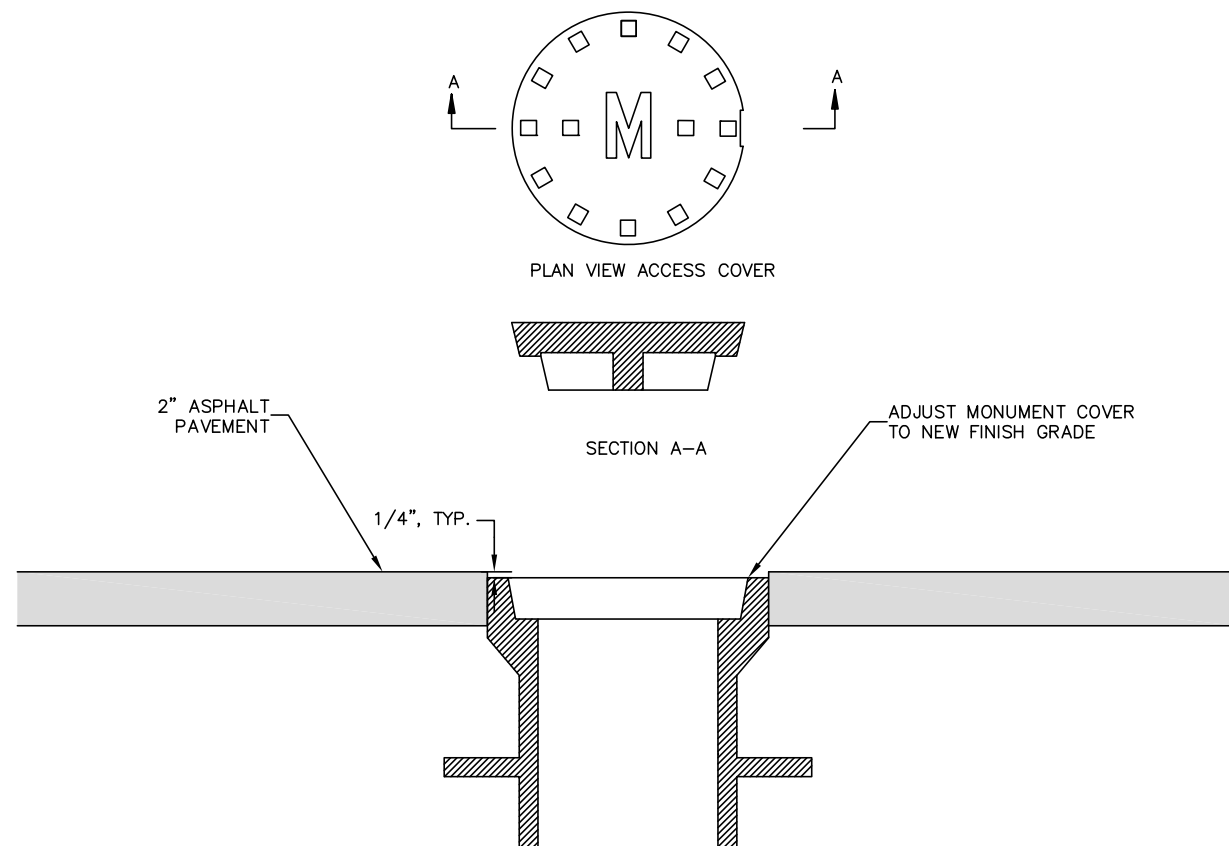
PROJECT NO.
2022030.3
DRAWN BY:
GTP
CHECKED BY:
MJD/MZD
DATE: 5/12/2023
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: **C5**
5 OF 6



A TYPICAL VB ADJUSTMENT
C6 SCALE: NTS



B TYPICAL MH ADJUSTMENT
C6 SCALE: NTS



C TYPICAL MONUMENT ADJUSTMENT
C6 SCALE: NTS



NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL
155 BIDARKA ST
KENAI, AK 99611
TEL: (907) 283 - 3583
LICENSE NO. AEGC12119
NELSONENGINEER@ALASKA.NET

NELSON
ENGINEERING

2023 FIRST AVENUE ROADWAY REPAIRS
CITY OF KENAI
KENAI, ALASKA
TYPICAL SECTIONS AND DETAILS

PROJECT NO.	2022030.3
DRAWN BY:	GTP
CHECKED BY:	MJD/MZD
DATE:	5/12/2023
SCALES:	NOTED
HORIZ.	NOTED
VERT.	NOTED
SHEET:	C6
6	OF 6