



ALASKA RAILROAD CORPORATION
ENGINEERING SERVICES

P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500

ANCHORAGE

2022 1st AVENUE REPAIRS

APRIL 2022 - ISSUED FOR BID



VICINITY MAP NOT TO SCALE

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET
2	DEMOLITION PLAN & SURVEY CONTROL
3	IMPROVEMENT PLAN
4	TYPICAL SECTION AND DETAILS
5	CROSS SECTIONS & QUANTITY ESTIMATE

REV.	DATE	BY	REVISION

ALASKA RAILROAD CORPORATION ENGINEERING SERVICES P.O. BOX 107500, ANCHORAGE, ALASKA 99510-7500		
PROJECT :		
ANCHORAGE 2022 1st AVENUE REPAIRS		
TITLE:		
COVER SHEET		
DESIGNED BY: MAS	SCALE : AS NOTED	AFE NO.: -
DRAWN BY: MAS	DATE : 4/20/2022	ACAD FILE: 22-04
CHECKED BY: JS		DWG NO.
APPROVED BY: PF		1 OF 5

CONSULTANT:



ALL POINTS NORTH LLC
 17600 E. RAMBLING ROAD
 PALMER, AK 99645-4207
 (907) 746-4185
 www.allpointsnorth.us



04/20/2022



SURVEY NOTES

- HORIZONTAL DATUM AND VERTICAL DATUM IS ALASKA STATE PLANE COORDINATE SYSTEM ZONE 4, NAD83(2011), GEOID12B. THIS IS BASED ON COORDINATES OF FOUND CONTROL CRW1 AND CRW2, ALASKA RAILROAD 2020 "DEPOT DRIVE PHASE 1" PROJECT.
- PER AFOREMENTIONED ARRC DEPOT DRIVE PROJECT, SUBTRACT 6.79 FEET FROM THE ELEVATIONS SHOWN TO OBTAIN GAAB1972 ELEVATIONS.

POINT TABLE

Pt	Northing	Easting	EI.	Description
1	2638432.04	1659033.18	52.05	Found Washer CRW-1
2	2638440.40	1659253.29	41.46	Found Washer CRW-2
11	2638474.80	1659522.70	28.75	Top Concrete TBM1
99	2638416.18	1659429.18	31.34	Set ypc ls12039
100	2638412.39	1658994.21	52.91	X on Manhole



BURIED UTILITIES NOTE
 UNDERGROUND UTILITY SURVEY NOT CONDUCTED. CALL THE ALASKA DIGLINE (811) AND VERIFY ALL UNDERGROUND UTILITIES PRIOR TO DIGGING

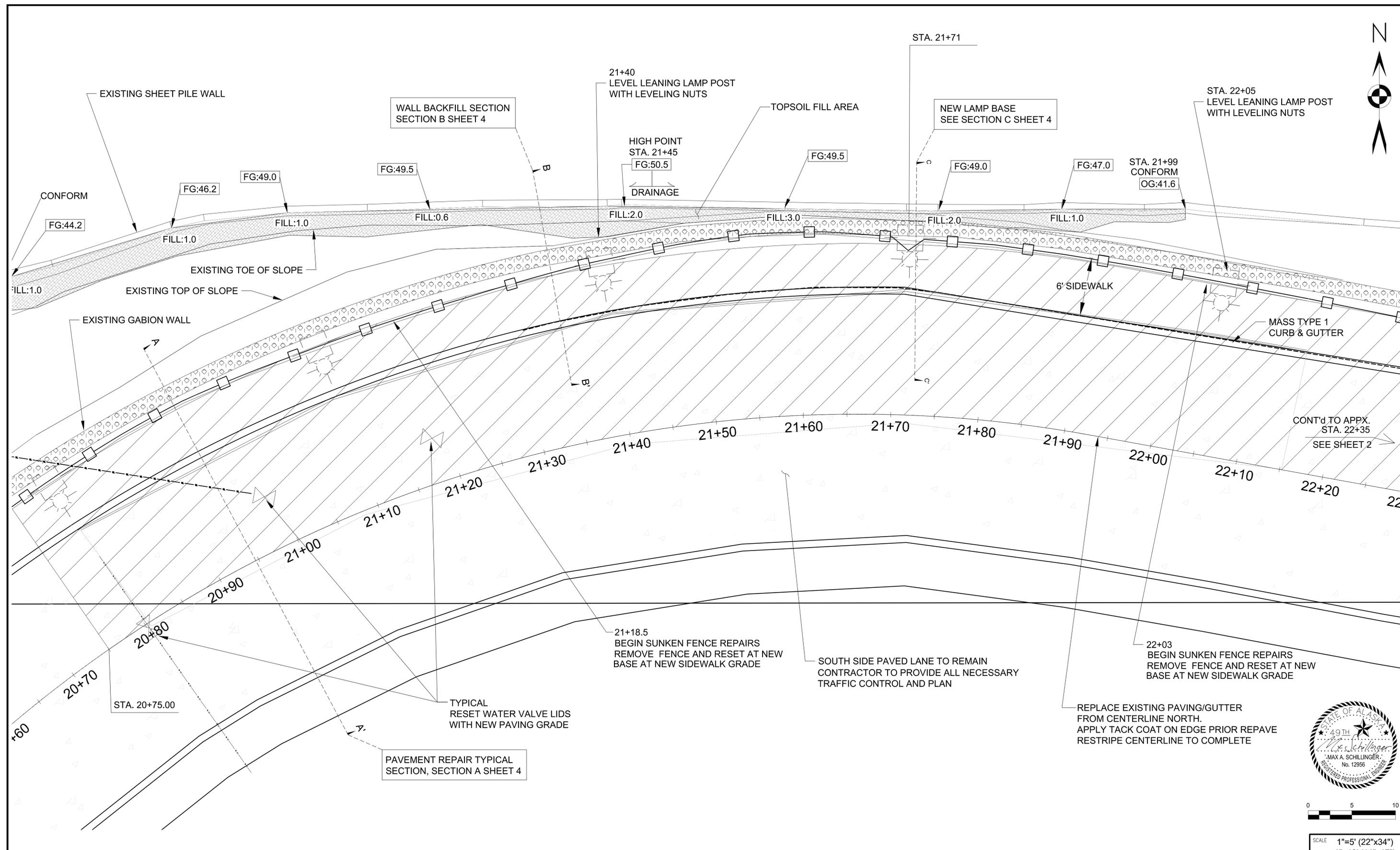
DEMOLITION NOTES

- PERFORM UTILITY LOCATE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF UTILITIES CONFLICTS TO CONSTRUCTION WILL EXIST.
- ALL DEMOLISHED MATERIALS WILL BE HAULED OFF AND DISPOSED AT THE CONTRACTORS EXPENSE.
- IN ROADWAY DEMOLITION, NOTIFY ENGINEER IF INSULATION MATERIALS ARE ENCOUNTERED. SEE ALTERNATIVE SECTION A, SHEET 4, IF INSULATION IS ENCOUNTERED.
- CONTRACTOR IS TO PROVIDE ALL TRAFFIC CONTROL REQUIRED. STREETS ADJACENT TO THE CONSTRUCTION AREA ARE TO BE KEEP CLEAN AND FREE OF GRAVEL AND DEBRIS.
- DEMOLITION STATIONING ON THIS SHEET IS APPROXIMATE. ENGINEER MAY ADJUST DEMOLITION (AND REPLACEMENT) EXTENT BASED ON ENCOUNTERED CONDITIONS. CONTRACTOR WILL BE COMPENSATED BY ACTUAL QUANTITY (i.e. BANK C.Y., TONNAGE, ETC.) REQUIRED TO PERFORM AUTHORIZED WORK.



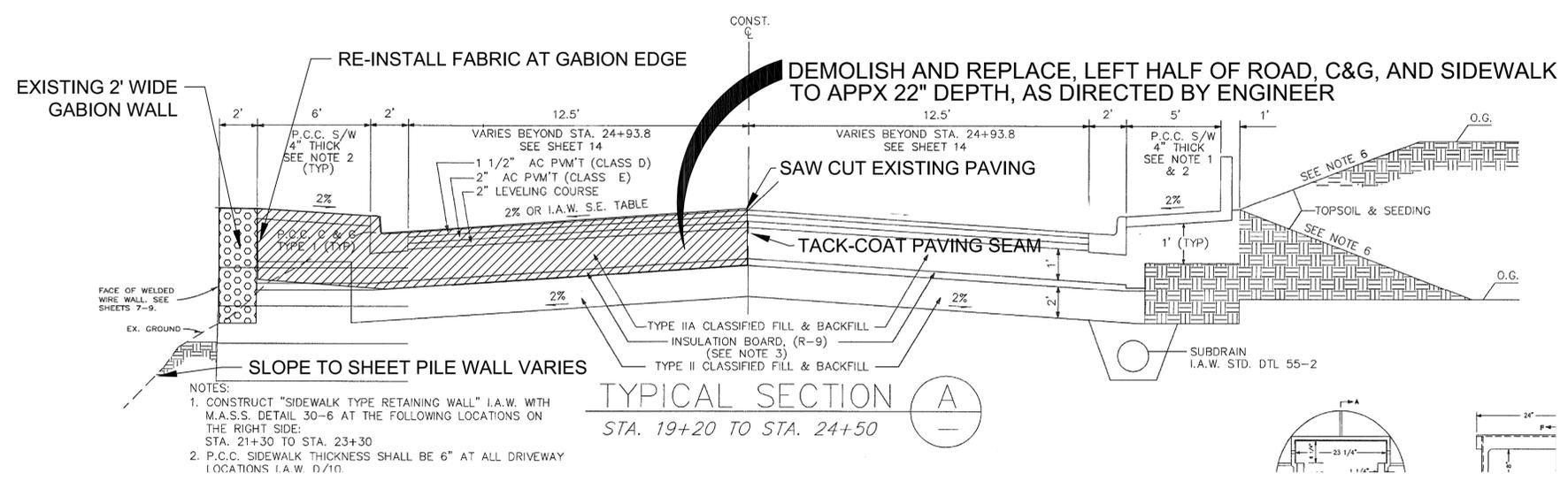
SCALE	1"=20' (22"x34") 1"=40' (11"x17")
DATE	4/20/2022
SHEET NO	2 OF 5

	CLIENT	ALASKA RAILROAD	JOB NUMBER	22-04
	PROJECT	2022 1st AVENUE REPAIRS		
	SHEET TITLE	DEMOLITION PLAN AND SURVEY CONTROL		
SYN.	REVISIONS	DATE	BY	



SCALE 1"=5' (22"x34")
1"=10' (11"x17")
DATE 4/20/2022
SHEET NO 3 OF 5

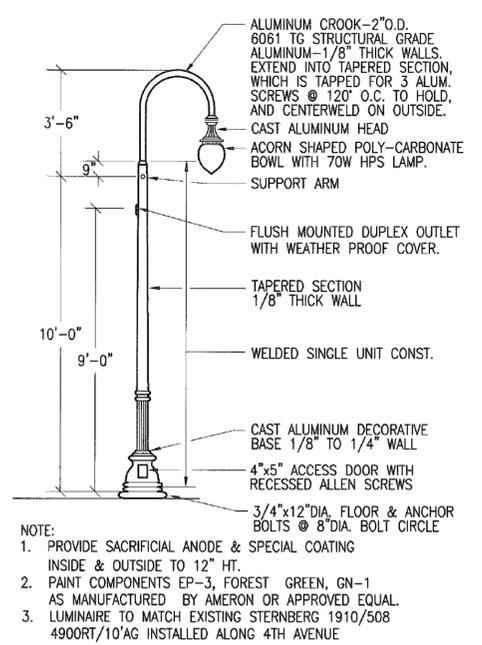
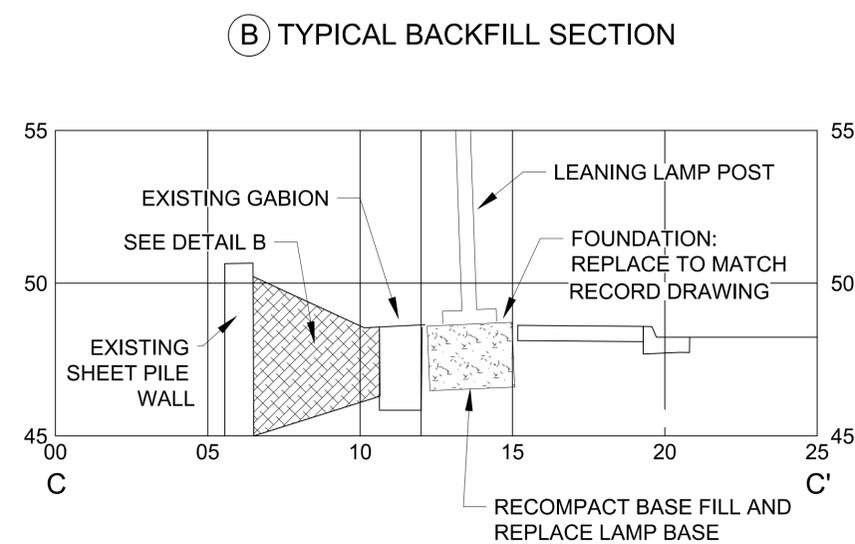
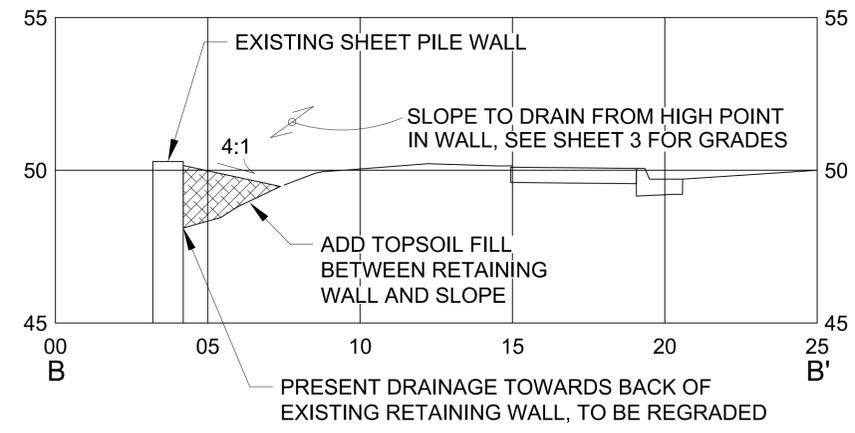
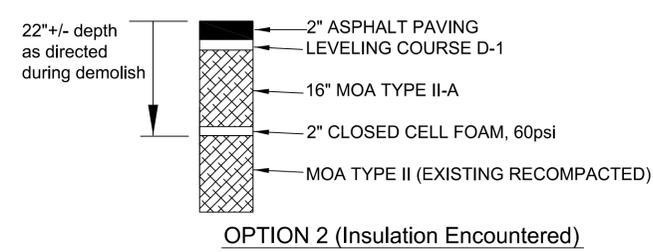
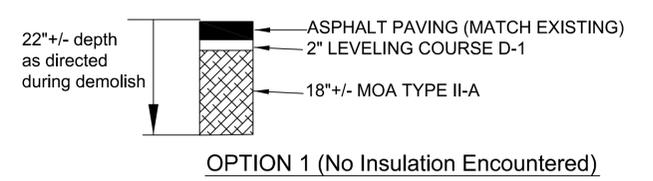
SYM.	REVISIONS	DATE	BY		CLIENT ALASKA RAILROAD	JOB NUMBER 20-04
					PROJECT 2022 1st AVENUE REPAIRS	
					SHEET TITLE IMPROVEMENT PLAN	



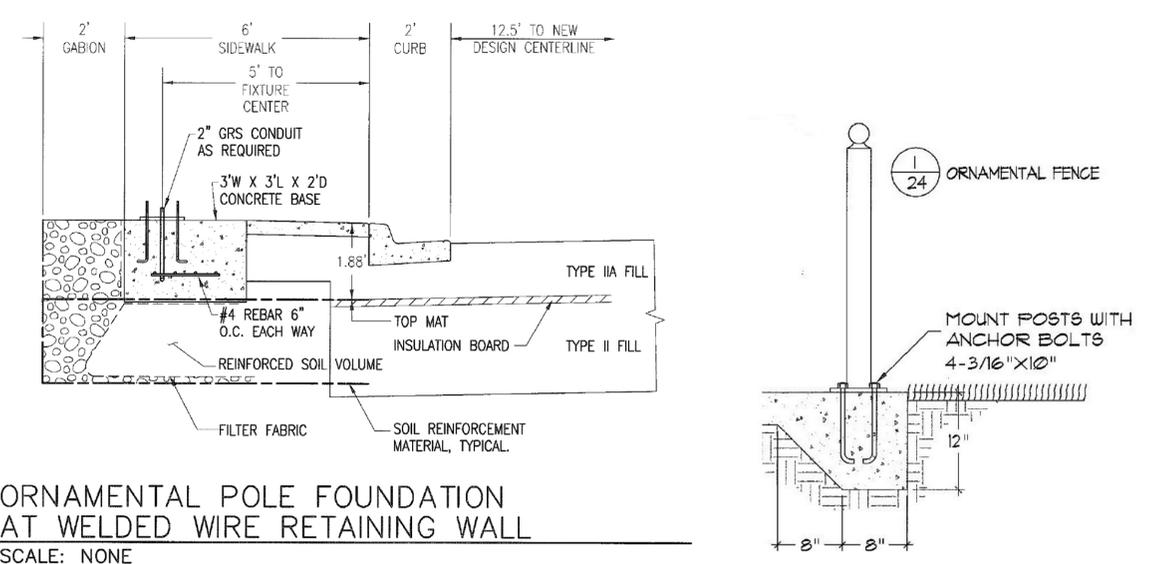
(A) TYPICAL ROAD SECTION
(DRAWN OVER THE MOA RECORD DRAWING)

DEMOLISH AND REPLACE NOTES:

- 1) SAW CUT PROJECT EXTENTS AND REMOVE PAVING, CURB, GUTTER TO DEPTH OF 22" OR TO LAYER OF 2" INSULATION ENCOUNTERED, AS DIRECTED BY ENGINEER.
- 2) IF NO INSULATION IS ENCOUNTERED, INSTALL MATERIAL AS SHOWN IN OPTION 1 BELOW.
- 3) IF INSULATION IS ENCOUNTERED, REMOVE INSULATION, RE-COMPACT EXISTING TYPE IIA LAYER BELOW, AND INSTALL NEW INSULATION AND MATERIAL AS SHOWN IN OPTION 2 BELOW.
- 4) FOR MORE INFORMATION, SEE NORTHERN GEOTECHNICAL ENGINEERING INC. (NGE) REPORT. RECOMMENDATIONS FROM NGE PROJECT #5136-18, DATED DECEMBER 2021: COMPACT IN THIN LIFTS, EXCEED 95% MODIFIED PROCTOR DENSITY.



(5) ORNAMENTAL LUMINAIRE
SCALE: NONE



(6) ORNAMENTAL POLE FOUNDATION AT WELDED WIRE RETAINING WALL
SCALE: NONE
LAMP BASE AND FENCE POST M.O.A. RECORD DRAWING
(PROVIDED FOR REFERENCE IN LAMP BASE AND FENCE POST REPAIRS)

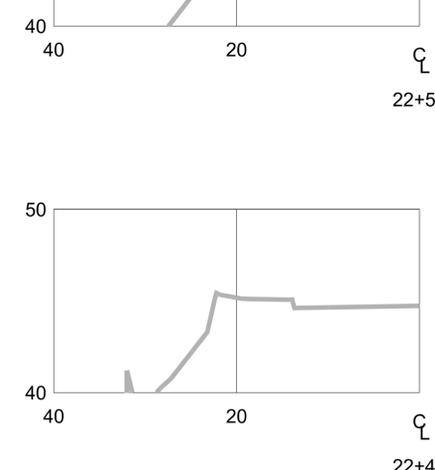
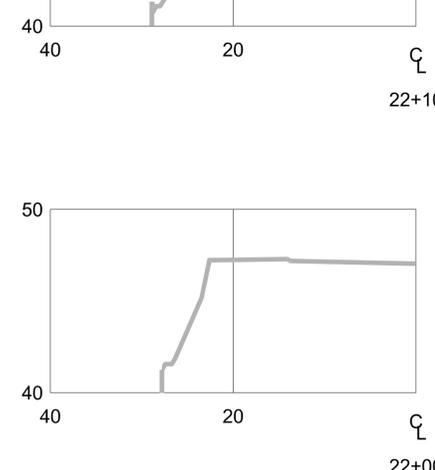
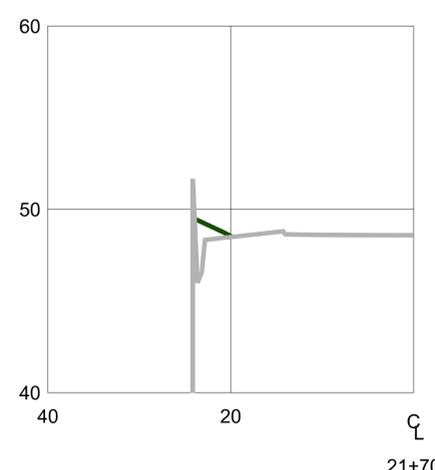
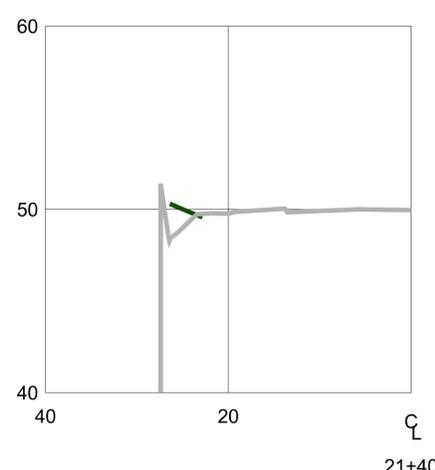
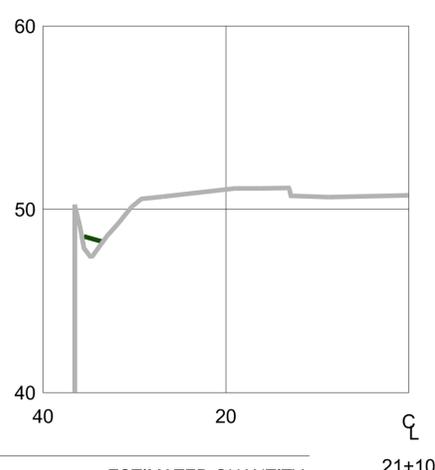
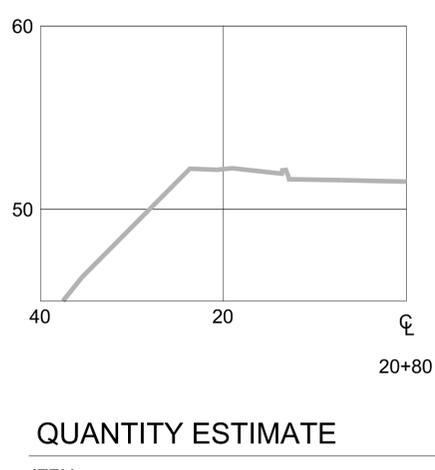
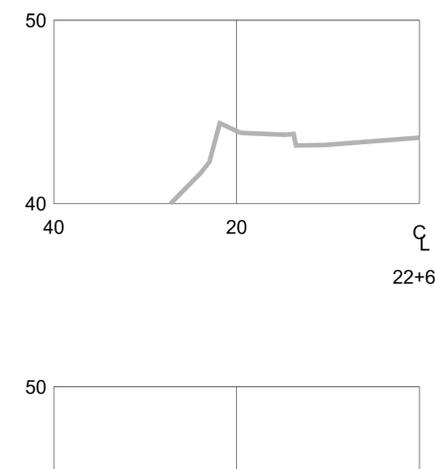
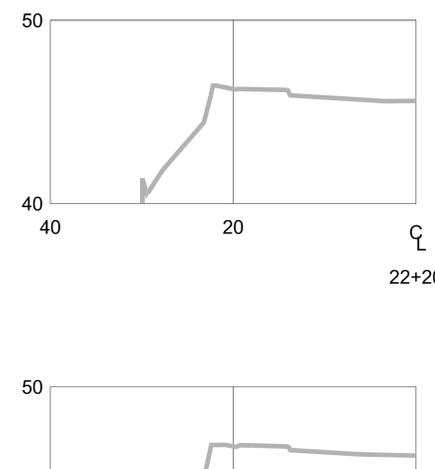
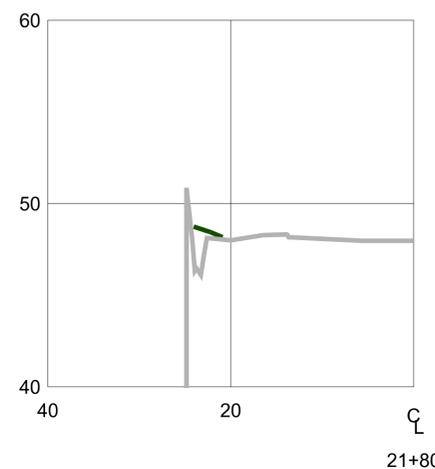
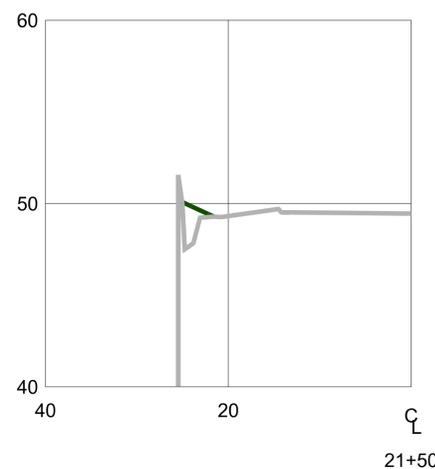
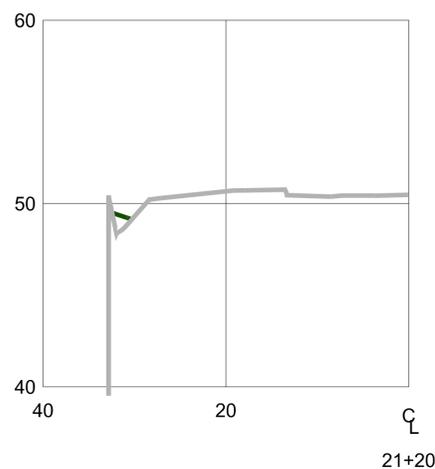
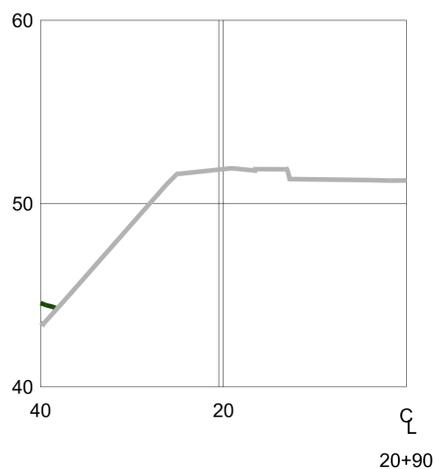
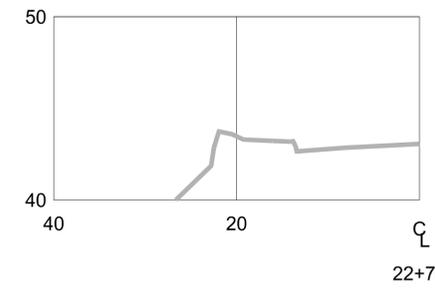
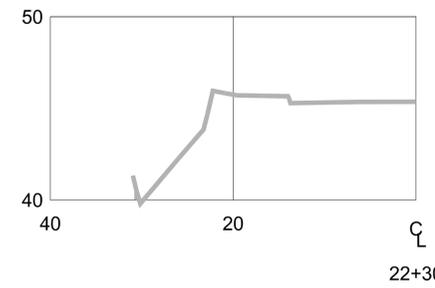
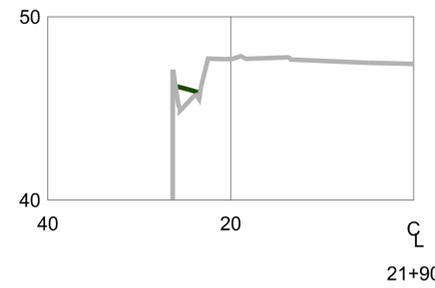
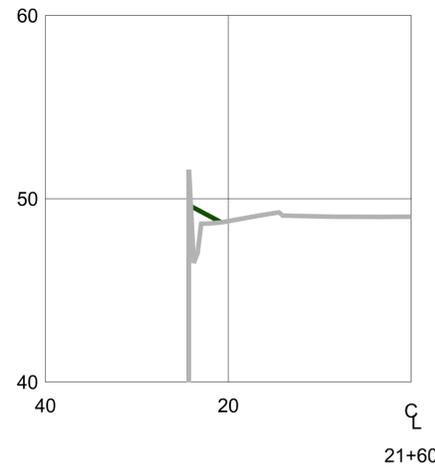
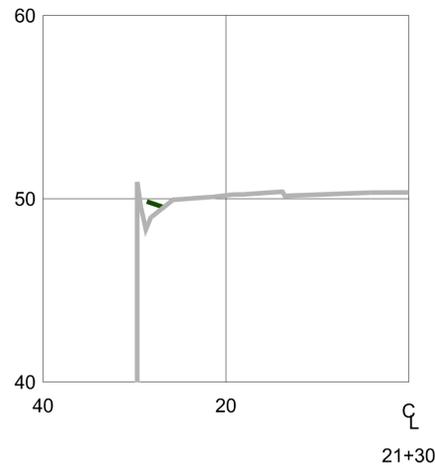
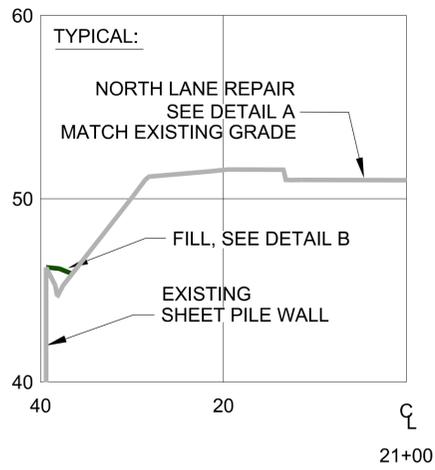


4/20/2022

SYM.	REVISIONS	DATE	BY

CLIENT	ALASKA RAILROAD	JOB NUMBER	19-74
PROJECT	2022 1st AVENUE REPAIRS		
SHEET TITLE	TYPICAL SECTIONS		

SCALE	VARIES
DATE	4/20/2022
SHEET NO	4 OF 5



QUANTITY ESTIMATE

ITEM	ESTIMATED QUANTITY
1. DEMOLITION PAVING, CURB, GUTTER (3269s.f. x 22")	222 Bank c.y.
2. PAVING (2061s.f., 3" thick assumed = 19.08 c.y.)	38 Tons
3. TACK COAT PAVING SEAM (160'+12.5'+12.5')	185 l.f.
4. D-1 LEVELING COURSE (3269s.f., 2" thick = 20 c.y.)	38 Tons
5. TYPE II-A (3269s.f., 18" thick assumed = 182 c.y.)	346 Tons
6. INSULATION (60psi 2", 3269 s.f. 4x8sheets)	103 sheets (if required)
7. REPLACE SIDEWALK	175 l.f.
8. REPLACE TYPE 1 CURB AND GUTTER	175 l.f.
9. REMOVE REPLACE LAMP POST BASE (at sta.21+71)	Lump Sum
10. REPLUMB LAMP POSTS (at sta. 21+50,21+71,22+06)	3 ea.
11. RE-INSTALL FENCE BASES AND POSTS (21+18.5 to 22+03)	Appx, 14 Fence Posts
12. CONSTRUCTION SURVEYING (all required)	Lump Sum
13. TRAFFIC CONTROL (all required)	Lump Sum
14. TOPSOIL BACKFIL AND GRADING	30 c.y.



SYM.	REVISIONS	DATE	BY



CLIENT	ALASKA RAILROAD	JOB NUMBER	20-04
PROJECT	2022 1st AVENUE REPAIRS		
SHEET TITLE	CROSS SECTIONS & QUANTITIES		

SCALE	1"=10'h 5'v (22"x34") 1"=20'h 10'v (11"x17")
DATE	4/20/2022
SHEET NO	5 OF 5