



DEVELOPMENT PERMIT APPLICATION

NOTE: Development Permit Application forms must accompany all other Community Development Department land use applications. This form and all documents associated with it are public record once submitted.

To be completed by Applicant	PROPERTY LOCATION	
	Physical Address Intersection of Mendenhall Loop Road, Mendenhall Boulevard, and Valley Boulevard	
	Legal Description(s) (Subdivision, Survey, Block, Tract, Lot) USGS QUAD Juneau B-2 NW Section T40S R66E Copper River Meridian	
	Parcel Number(s) Mendenhall Loop Road, intersection of Mendenhall Boulevard and Valley Boulevard	
	<input type="checkbox"/> This property is located in the downtown historic district <input checked="" type="checkbox"/> This property is located in a mapped hazard area, if so, which <u>Regulatory Floodway</u>	
	LANDOWNER/ LESSEE	
	Property Owner State of Alaska	Contact Person Nathan Purves
	Mailing Address PO Box 112506, Juneau, Alaska 99801	Phone Number(s) 907-465-4509
	E-mail Address nathan.purves@alaska.gov	
	LANDOWNER/ LESSEE CONSENT	
	<p>Required for Planning Permits, not needed on Building/ Engineering Permits. Consent is required of all landowners/ lessees. If submitted with the application, alternative written approval may be sufficient. Written approval must include the property location, landowner/ lessee's printed name, signature, and the applicant's name.</p> <p>I am (we are) the owner(s) or lessee(s) of the property subject to this application and I (we) consent as follows: A. This application for a land use or activity review for development on my (our) property is made with my complete understanding and permission. B. I (we) grant permission for the City and Borough of Juneau officials/employees to inspect my property as needed for purposes of this application.</p> <p>_____ Title (e.g.: Landowner, Lessee) X _____ Date _____ _____ X _____ Date</p> <p>NOTICE: The City and Borough of Juneau staff may need access to the subject property during regular business hours. We will make every effort to contact you in advance, but may need to access the property in your absence and in accordance with the consent above. Also, members of the Planning Commission may visit the property before a scheduled public hearing date.</p>	
	APPLICANT	
Applicant (Printed Name) Connor Brown, Environmental Impact Analyst 1	Contact Person Benjamin Storey, Nathan Purves	
Mailing Address PO Box 112506, Juneau, Alaska 99811-2500	Phone Number(s) 907-465-4443 907-465-4509	
E-mail Address connor.brown@alaska.gov, nathan.purves@alaska.gov		
X <u>Connor M Brown</u> Applicant's Signature	Digitally signed by Connor M Brown Date: 2024.04.15 15:06:59 -08'00' 04/15/2024 Date of Application	

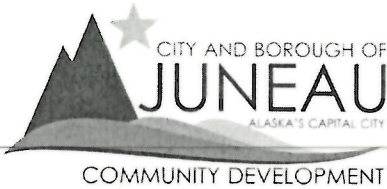
-----DEPARTMENT USE ONLY BELOW THIS LINE-----

Intake Initials

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

For assistance filling out this form, contact the Permit Center at 586-0770.

Case Number CSP24-002	Date Received 4/16/24
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CITY/STATE PROJECT AND LAND ACTION REVIEW APPLICATION

See reverse side for more information regarding the permitting process and the materials required for a complete application.

NOTE: Must be accompanied by a DEVELOPMENT PERMIT APPLICATION form.

PROJECT SUMMARY

We are proposing a project to replace the signalized intersection at Mendenhall Loop Road-Mendenhall Boulevard-Valley Boulevard with a single lane roundabout.

TYPE OF PROJECT REVIEW: City Project Review State Project Review

PROJECT NUMBERS ASSOCIATED WITH PROPOSAL:

Is this project associated with any other Land Use Permits? YES Case No.: _____ NO

Capital Improvement Program # (CIP) _____

Local Improvement District # (LID) _____

State Project # SFHWHY00403

ESTIMATED PROJECT COST: \$ 8,500,000

ALL REQUIRED MATERIALS ATTACHED

- Complete application
- Pre-Application notes (if applicable)
- Narrative including:
 - Current use of land or building(s)
 - Proposed use of land or building(s)
 - How the proposed project complies with the Comprehensive Plan
 - How the proposed project complies with the Land Use Code (Title 49)
- Site Plan (details on page 2)

To be completed by Applicant

NOTE: This application is required even if the proposed project is associated with other Land Use permits.

-----DEPARTMENT USE ONLY BELOW THIS LINE-----

CITY/STATE PROJECT FEES	Fees	Check No.	Receipt	Date
Application Fees (≥\$2.5M)	\$ <u>1,600⁰⁰</u>			
Pub. No. Sign Fee	\$ <u>150⁰⁰</u>			
Pub. No. Sign Deposit	\$ <u>100⁰⁰</u>			
TOTAL FEES	\$ <u>1750</u>			

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For assistance filling out this form, contact the Permit Center at 586-0770.

Case Number	Date Received
<u>CSP24-002</u>	<u>4/16/24</u>

City/State Project and Land Action Review Information

City and State project review is outlined in CBJ 49.15.580

Each application for a City/State Project is reviewed by the Planning Commission at a public hearing. The permit procedure is intended to provide the Commission the flexibility necessary to make recommendations tailored to individual applications.

Application: An application for a City/State Project Review will not be accepted by the Community Development Department until it is determined to be complete. The items needed for a complete application are:

1. **Forms:** Completed City/State Project Review Application and Development Permit Application forms.
2. **Fees:** No application fee required for projects that cost less than \$2.5 million. For projects costing more than this amount, the fee is \$1,600.00. All City/State Project and Land Action Applications must pay public notice sign fees. All fees are subject to change.
3. **Project Narrative:** A detailed narrative describing the project.
4. **Plans:** All plans are to be drawn to scale and clearly show the items listed below:
 - a. Plat, site plan, floor plan and elevation views of existing and proposed structures and land;
 - b. Existing and proposed parking areas, including dimensions of the spaces, aisle width and driveway entrances;
 - c. Proposed traffic circulation within the site including access/egress points and traffic control devices;
 - d. Existing and proposed lighting (including cut sheets for each type of lighting);
 - e. Existing and proposed vegetation with location, area, height and type of plantings; and,
 - f. Existing physical features of the site (i.e. drainage, eagle trees, hazard areas, salmon streams, wetlands, etc.)

Document Format: All materials submitted as part of an application shall be submitted in either of the following formats:

1. Electronic copies in the following formats: .doc, .txt, .xls, .bmp, .pdf, .jpg, .gif, .xlm, .rtf (other formats may be preapproved by the Community Development Department).
2. Paper copies 11" X 17" or smaller (larger paper size may be preapproved by the Community Development Department).

Application Review & Hearing Procedure: Once the application is determined to be complete, the Community Development Department will initiate the review and scheduling of the application. This process includes:

Review: As part of the review process the Community Development Department will evaluate the application for consistency with all applicable City & Borough of Juneau codes and adopted plans. Depending on unique characteristics of the permit request the application may be required to be reviewed by other municipal boards and committees. Review comments may require the applicant to provide additional information, clarification, or submit modifications/alterations for the proposed project.

Hearing: All City/State Project Review Permit Applications must be reviewed by the Planning Commission. Once an application has been deemed complete and has been reviewed by all applicable parties the Community Development Department will schedule the requested permit for the next appropriate meeting. The Planning Commission will make a recommendation based on staff's analysis and forward it to the Assembly for final approval/denial.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED



THE STATE
of **ALASKA**

GOVERNOR MIKE DUNLEAVY

Department of Transportation and Public Facilities

SOUTHCOAST REGION
PRECONSTRUCTION

6860 Glacier Highway
P.O. Box 112506
Juneau, Alaska 99801
Main: 907.465.4443
Fax: 907.465.4414
connor.brown@alaska.gov

April 08, 2024

JNU Loop Road - Valley Boulevard Intersection Safety Improvements HSIP
Federal ID: 0966030
State ID: SFHWY00403

Project Narrative Describing how the JNU Loop Road – Valley Boulevard Intersection Safety Improvements HSIP Project Adheres to Municipal Code

The Alaska Department of Transportation and Public Facilities (DOT&PF) is proposing to replace the signalized intersection of the Mendenhall Loop Road-Valley Boulevard-Mendenhall Boulevard with a single lane roundabout. The purpose of this letter is to provide you with a description of the project and describe how it adheres to municipal code.

The purpose of this project improve safety for cars passing through the Mendenhall Loop Road-Valley Boulevard-Mendenhall Boulevard. The intersection in question has been signalized since 2004 and has been the site of a series of crashes, most resulting in minor injuries.

As a method to improve purpose DOT&PF proposes to replace the currently existing signalized intersection with a single lane roundabout.

During this project DOT&PF would propose to:

- Expand the ROW of the intersection in all directions, particularly in the northern direction.
- Widen road approaching roundabout and adding splitter islands on the approach into the roundabout.
- Adjust underlying hydraulic systems/storm drains to fit the new footprint.
- Potentially reposition or bury electrical poles and lines along part of the Loop Road.
- Install new lights around the roundabout footprint.

Land Use

Most of the land which would be used in this project is already in use for an existing roadway intersection between Mendenhall Loop Road, Mendenhall Boulevard, and Valley Boulevard. It would continue to be used as a road way and intersection with all associated pedestrian crossing facilities with an altered configuration and removed traffic signals.

“Keep Alaska Moving through service and infrastructure.”

We would anticipate the project to involve permanent easements on several parcels adjacent to the Mendenhall Loop Road-Valley Boulevard-Mendenhall Boulevard intersection, including parcels ID 5B2401120040, 5B2401140160, 5B401600010, and 5B2401010011. We would not anticipate any relocations because of the project.

Of the affected parcels currently 5B2401120040 and 5B2401010011 are in use as private residential properties, the specific slivers which are anticipated as requisitioned easements would be in use for roadside utilities and potentially the edge of a private yard in parcel 5B2401120040. Parcel 5B2401140160 was previously acquired by DOT and is currently an empty lot which would have be subject to significant easement acquisition, and parcel 5B2401600010 is in use as the base of a cell and radio tower station and cannot be subject to acquisitions to the point of removing the station, though easements would be acquired up to the point of the fence to accommodate repositioned non-motorized path and expanded road.

Compliance

This project is in compliance with the Comprehensive Plan of the City and Borough. It takes place entirely within developed urban area, making no expansions to sprawl and is shaped to make minimal expansion of the roadway footprint, and will not block access to or use of buildable land from latest study shown in the Comprehensive Plan. The project is within FAA 7460 Contours but will neither involve nor result in a structure over 200 feet.

The project will serve to improve safety conditions for motorized, non-motorized, and pedestrian traffic in a previously signaled intersection as recommended in the City and Borough of Juneau Area Wide Transportation Plan. As a part of the intersection's reconstruction walking/non-motorized vehicle paths will be rearranged and refurbished in a manner befitting the Juneau Safe Routes to School Plan.

The proposed project is in compliance with the Land Use Code (Title 49). Public notice has been carried out properly including published notices in public spaces, publicly open meetings where the proposed project was presented and comments were taken, and letters sent to various stakeholders and jurisdictional agencies including the City and Borough of Juneau. Corner sight distance, street width, and turn length all in accordance with CBJ 49.35. Signage, Striping, and Grading Plans were all planned in compliance with both the NCHRP Report 1043 Manual on Uniform Traffic Control Devices (2009), and the Alaska Traffic Manual (2016).

Sincerely,

Connor M
Brown

Digitally signed by Connor
M Brown
Date: 2024.04.08
15:17:31 -08'00'

Connor Brown
Environmental Impact Analyst 1
Alaska Department of Transportation and Public Facilities – Southcoast Region
PO Box 112506, Juneau, Alaska 99811-2500
connor.brown@alaska.gov

Enclosures:
City/State Project and Land Action Review applications

Project Plan Sheets

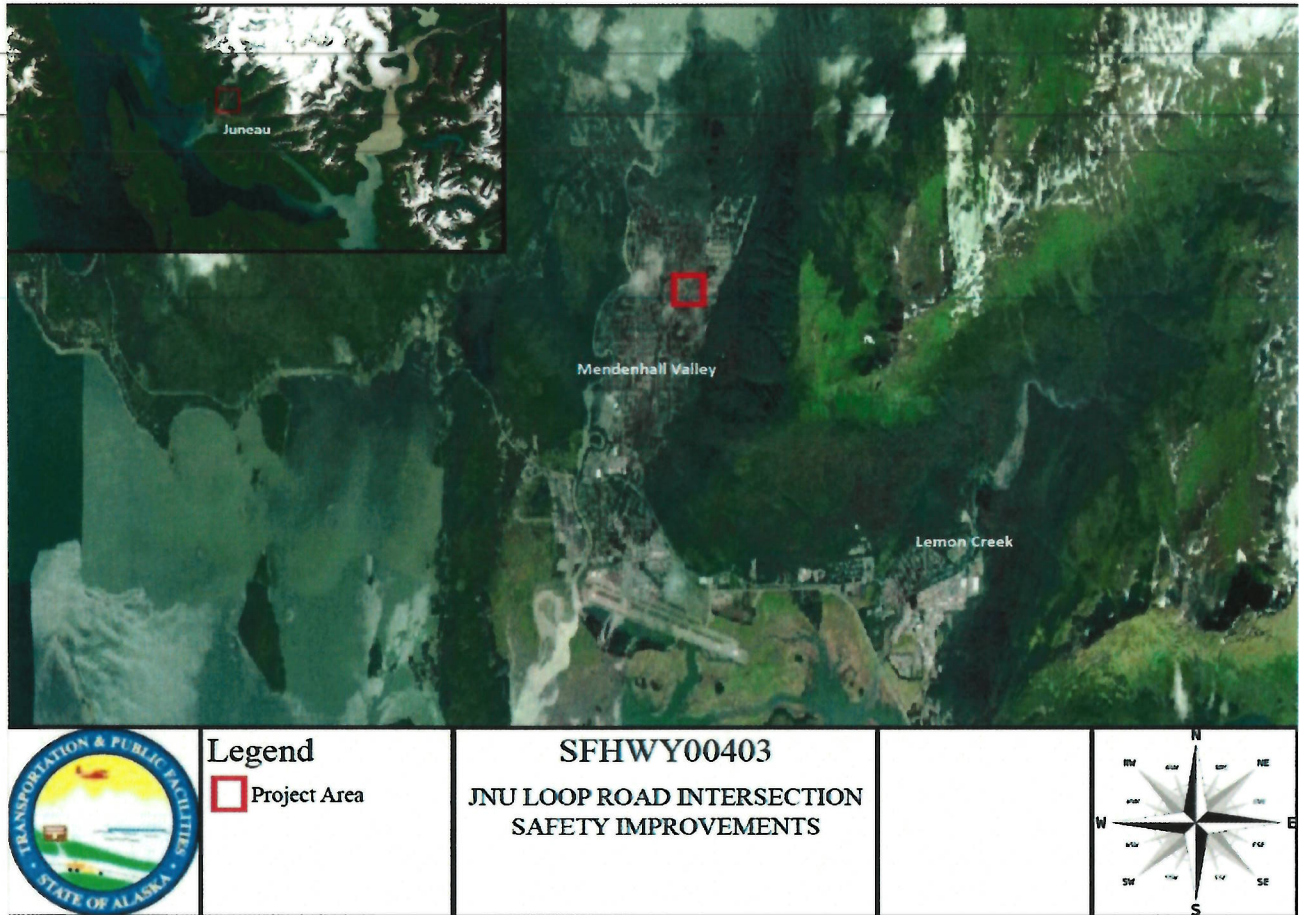


Figure 1 - Location Map

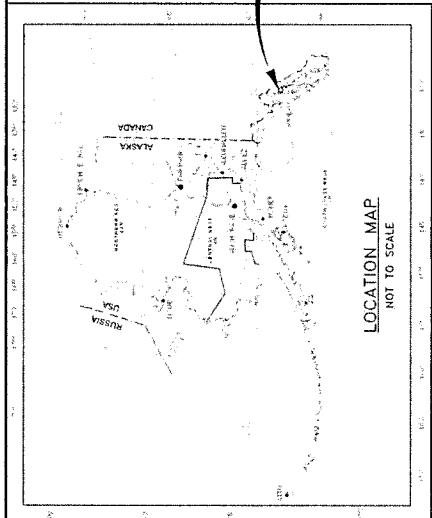


Figure 2 - Project Vicinity Map

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET	TITLE SHEET
1			AK	SFH-WY00403/0966030	2024	A1	A3

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

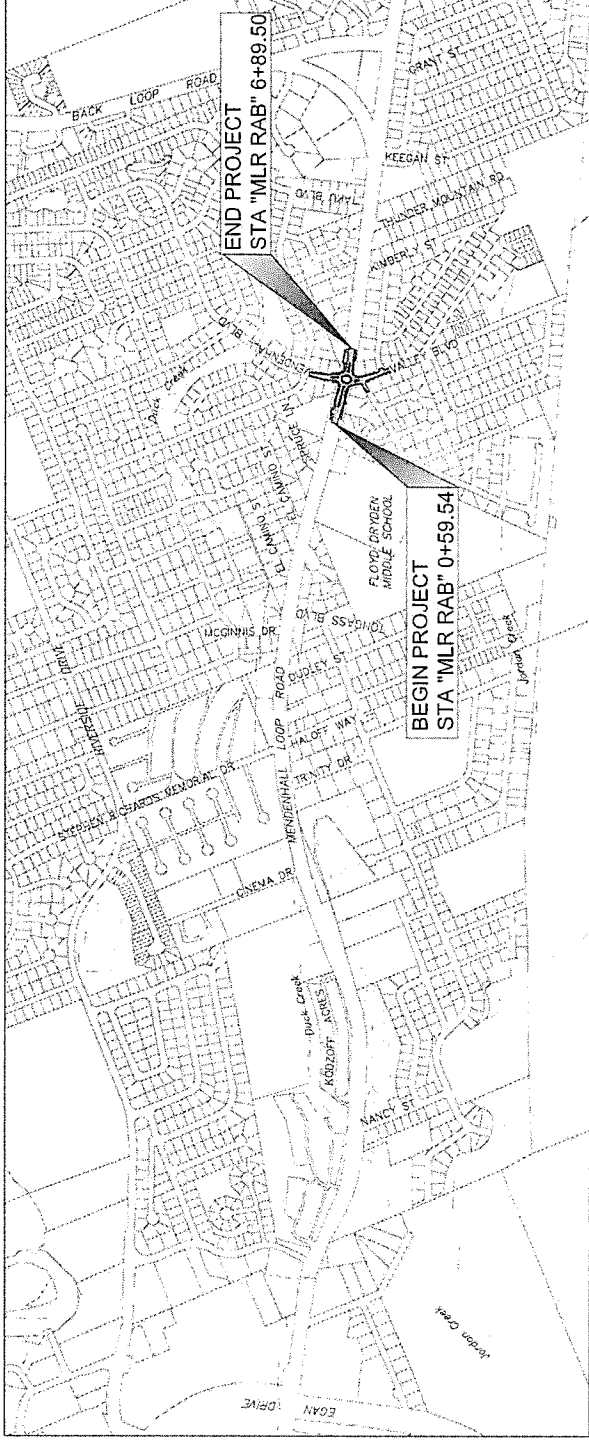
PROPOSED HIGHWAY PROJECT
SFHWY00403/0966030
JNU LOOP ROAD – VALLEY BLVD
INTERSECTION IMPROVEMENTS – HSIP
GRADING, DRAINAGE, PAVING, & ILLUMINATION



SHEET NO.	TITLE SHEET	DESCRIPTION
A1	TITLE SHEET	DESCRIPTION
A2-A3	SHEET LAYOUT, GENERAL NOTES, LEGEND, & ABBREVIATIONS	
B1-B4	TYPICAL SECTIONS	
F1-F9	PLAN & PROFILE	
S1-S5	CONSTRUCTION PHASING PLANS	
T1-T5	TRAFFIC CONTROL PLANS (AND/OR DEVICES)	

THE FOLLOWING DOT&PF STANDARD PLANS APPLY TO THIS PROJECT:
C-04.12, C-05.20, C-06.00, D-01.02, D-04.22, D-07.00, D-09.00, D-22.01,
D-23.01, D-24.00, D-26.04, F-01.04, F-03.02, F-26.20, I-21.12, I-22.11,
L-03.11, L-23.03, L-36.11, M-13.01, M-16.01, M-20.15, M-23.13, S-00.12,
S-01.02, S-05.02, S-20.11, S-30.00, S-31.02, T-20.04, T-21.04, T-22.04

THE FOLLOWING CITY & BOROUGH OF JUNEAU (CBI) STANDARD
DETAILS APPLY TO THIS PROJECT:
20A, 20B, 20BA, 20B, 21B, 407, 412



FUNCTIONAL CLASS	MUROR ARTERIAL
ADT (2010)	10,230
ADT (2030)	16,800
ADT (2040)	17,230
DIV EXISTING YEAR	1,970
DIV MID-LIFE YEAR (2030)	2,020
DIV DESIGN YEAR (2040)	2,070
PERCENT TRUCKS (T)	6.35%
DIRECTIONAL SPLIT (D)	55/45
DESIGN SPEED (V)	45 MPH
DESIGN ESAL'S (30 YEARS)	5,490,000

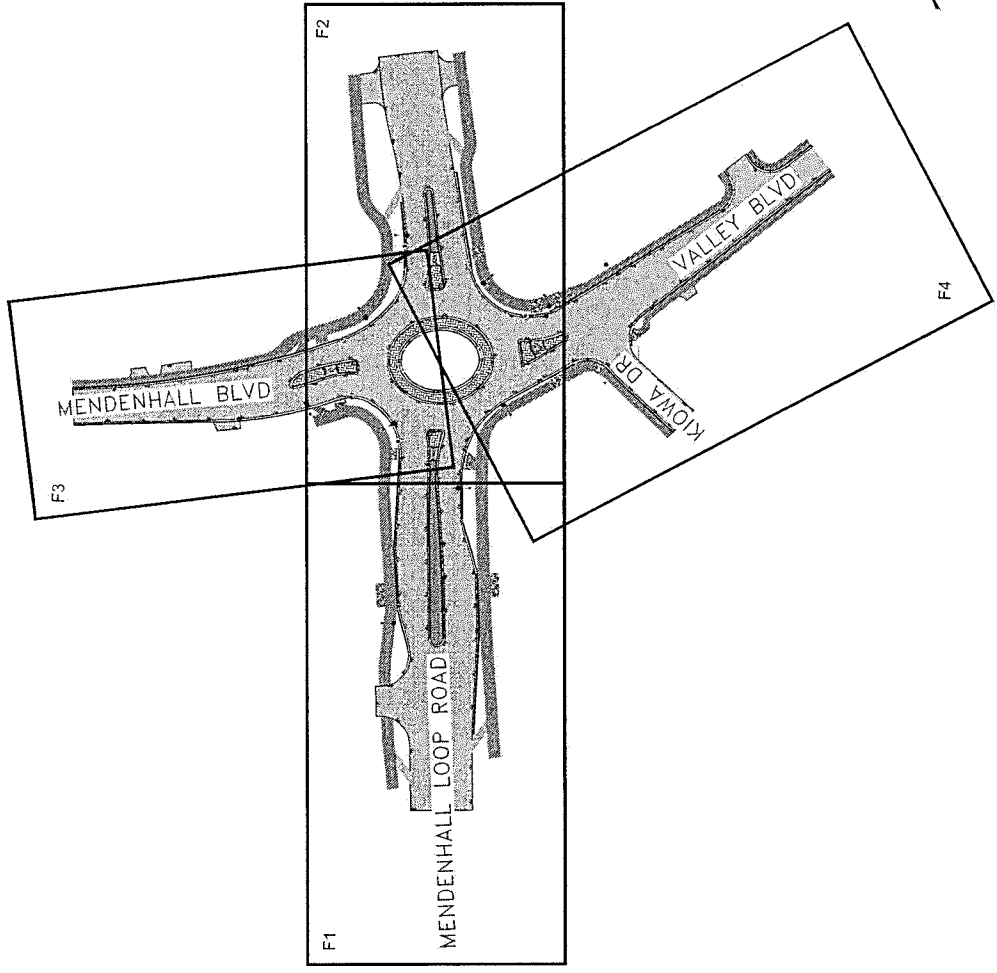
PROJECT SUMMARY	
MENDENHALL LOOP ROAD MP	0.39 TO MP 0.51
WIDTH OF PAVEMENT	44-58 FEET
LENGTH OF GRADING	0.12 MILES
LENGTH OF PAVING	0.12 MILES
LENGTH OF PROJECT	0.12 MILES

STEVEN K. NOBLE, P.E., PROJECT MANAGER
RYAN A. STEPHENS, P.E., DESIGN ENGINEER
PLANS DEVELOPED BY: JQWL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
PUBLIC FACILITIES

NOT FOR CONSTRUCTION
DATE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFRWY00403/0960030	2024	A2	A3



ALIGNMENT DESIGNATIONS

ALIGNMENT NAME	ABBREVIATION	SHEET
MENDENHALL LOOP ROAD ROUNDABOUT CENTERLINE	"MLR 1848"	F1-F2
MENDENHALL BOULEVARD	"MB+VB"	F3
VALLEY BOULEVARD	"VB+VB"	F4
KIOWA DRIVE	"KD"	F4
INNER CIRCULATORY	"IC"	F5
NORTHWEST CURB RETURN	"NWC"	F6
NORTHEAST CURB RETURN	"NECR"	F7
SOUTHEAST CURB RETURN	"SEC"	F8
SOUTHWEST CURB RETURN	"SWCR"	F9

GENERAL NOTES

1. ADJUST ALL SANITARY SEWER MANHOLES, FIRE HYDRANTS AND WATER VALVES TO MATCH PROPOSED GRADES, UNLESS OTHERWISE NOTED.
2. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. CERTIFY EXACT LOCATIONS BY OBTAINING UTILITY LOCATES. FIELD LOCATES AND EXERCISING CAUTION DURING EXCAVATION.
3. RIGHT-OF-WAY LINES AND PROPERTY LINES ARE SHOWN FOR GENERAL INFORMATION PURPOSES. SEE RIGHT-OF-WAY MAPS FOR LOCATION AND SURVEY CONTROL FOR PROPERTY LINES AND RIGHT-OF-WAY LINES.
4. BUS SHELTERS TO BE PROVIDED BY AND INSTALLED BY O&I.



**SHEET LAYOUT &
GENERAL NOTES**

RECOVERED SET	EXISTING	PROPOSED
BLM MONUMENT	SANITARY SEWER (FLOW DIRECTION →)	ROADWAY/PAVEMENT EDGE
GLO MONUMENT	GAS LINE	ROADWAY/PAVEMENT HATCH
USC&S MONUMENT	WATER LINE	ISLAND AND PATHWAY/PAVEMENT HATCH
PRIMARY MONUMENT	METER, VALVE, FIRE HYDRANT	PATTERNED CONCRETE HATCH
CENTERLINE MONUMENT IN CASING	EXISTING STORM DRAIN (FLOW DIRECTION →)	CURB CUT
PRIMARY R.O.W. MONUMENT	PROPOSED STORM DRAIN	CONCRETE HATCH
BEARING OBJECT	FIBER OPTIC LINE	GRAVEL HATCH
MISCELLANEOUS MONUMENT	DIRECT BURIAL TELEPHONE CABLE	FENCE
LINE OF SIGHT MONUMENT	DIRECT BURIAL ELECTRIC CABLE	CURB AND GUTTER
CONCRETE R.O.W. MONUMENT	ELECTRIC LINE (OVERHEAD)	DETECTABLE WARNINGS
BENCHMARK	COMMUNICATION LINE	CULVERT PIPE
REBAR AND CAP	POWER POLE LINE	SIGN
REBAR	JOINT USE POWER & TELEPHONE	WETLANDS
IRON PIPE	TELEPHONE POLE LINE	EXISTING BUILDINGS
PX NAIL	POLE ANCHOR	POST OR BOLLARD
SPIKE	STUB POLE (POWER OR TELEPHONE)	WELL OR MONITORING WELL
HUB AND TACK	TELEPHONE DUCT	SEPTIC PIPE
CONSTRUCTION CENTERLINE	TELEPHONE PEDESTAL	FUEL TANK FILL PIPE/VENT
STATION EQUATION	BURIED CABLE MARKER	TEST HOLE
RIGHT-OF-WAY ACQUISITION	PIPELINE MARKER OR VALVE	
EXISTING RIGHT-OF-WAY LINE	CATCH BASIN OR DROP INLET	
EXISTING PROPERTY LINE	MANHOLE	
EXISTING EASEMENT LINE	SANITARY SEWER CLEAN OUT	
PROPOSED EASEMENT LINE	DITCH CENTERLINE	
PROPOSED CUT SLOPE LIMIT	TREE LINE	
PROPOSED FILL SLOPE LIMIT	FLOW DIRECTION	
PROPOSED ICE		

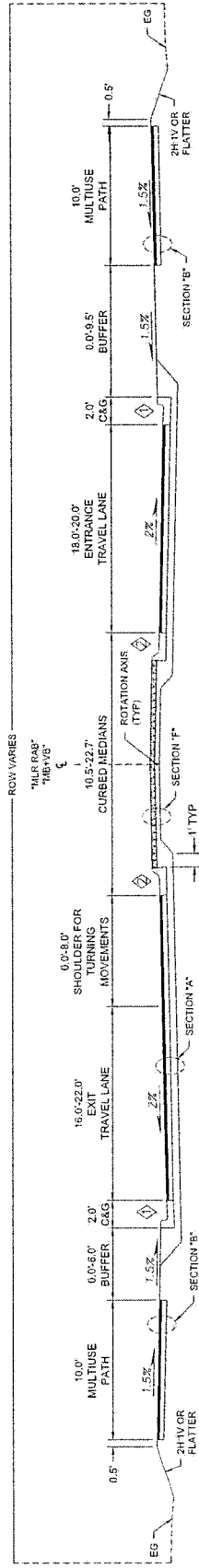
PROPOSED	EXISTING
JUNCTION BOX, TYPE IA	ROADWAY/PAVEMENT EDGE
JUNCTION BOX, TYPE II	ROADWAY/PAVEMENT HATCH
JUNCTION BOX, TYPE III	ISLAND AND PATHWAY/PAVEMENT HATCH
RECTANGULAR RAPID FLASHING BEACON	PATTERNED CONCRETE HATCH
LUMINAIRE	CURB CUT

ABBREVIATIONS:	ABBREVIATIONS:
AT AND	LEFT
AVERAGE DAILY TRAFFIC	LENGTH OF
APPROXIMATE	MAXIMUM
BENCH MARK	MAHLOX
BEGINNING OF PROJECT	MINIMUM
BEGIN VERTICAL CURVE ELEVATION	MINIMUM
CITY & BOROUGHS OF JUNEAU	MIR
CURB AND GUTTER	MUTCD
CENTERLINE	N
CONCRETE	NORTH, NORTHING
CORRUGATED POLYETHYLENE PIPE, TYPE S	NORTHING
CONNECT TO EXISTING	NOT TO SCALE
COURT YARD	O.C./O.C.
DETAIL	ON CENTER
DESIGN HOURLY VOLUME	OUTSIDE DIAMETER
DUCTILE IRON	PEDESTRIAN
DEPARTMENT OF TRANSPORTATION AND	POINT OF INTERSECTION
DETECTABLE WARNING TILE	POINT OF CURVATURE
EAST, EASTING	POINT OF TANGENCY
ELEVATION	POINT OF REVERSE CURVE
END OF PROJECT	POINT OF INTERSECTION
EDGE OF PAVEMENT	RADIUS
EDGE OF TRAVELED WAY	ROAD
ELEVATION CONTROL PLAN	REQUIRED
FINAL GRADE	ROW, R/W
FLOW LINE (ELEV)	S
FOOT, FEET	SH
FOOTING	SHLD
GRADE	SPACES
GRADE BREAK	STANDARD
HOT MIX ASPHALT	STD
HORIZONTAL	TBC
HIGH-DENSITY POLYETHYLENE	TCE
HIGH, INCHES	TYP
HOPE	VB
IN, INCHES	VBS
JUNCTION BOX	VC
JOINT	VPI
POUNDS	W
LINEAR FEET	

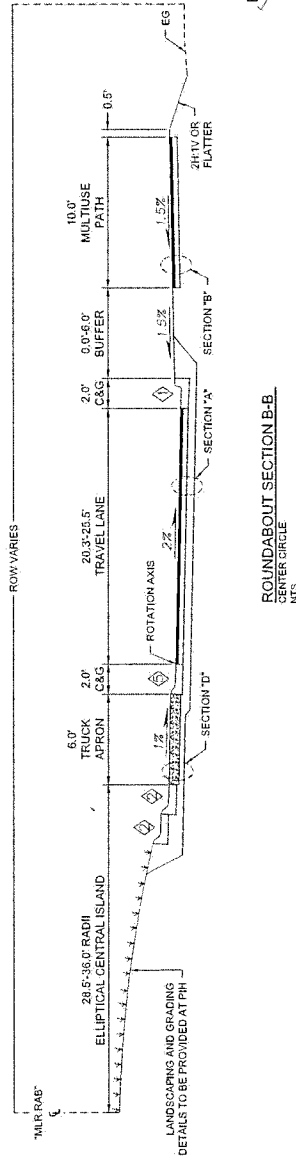
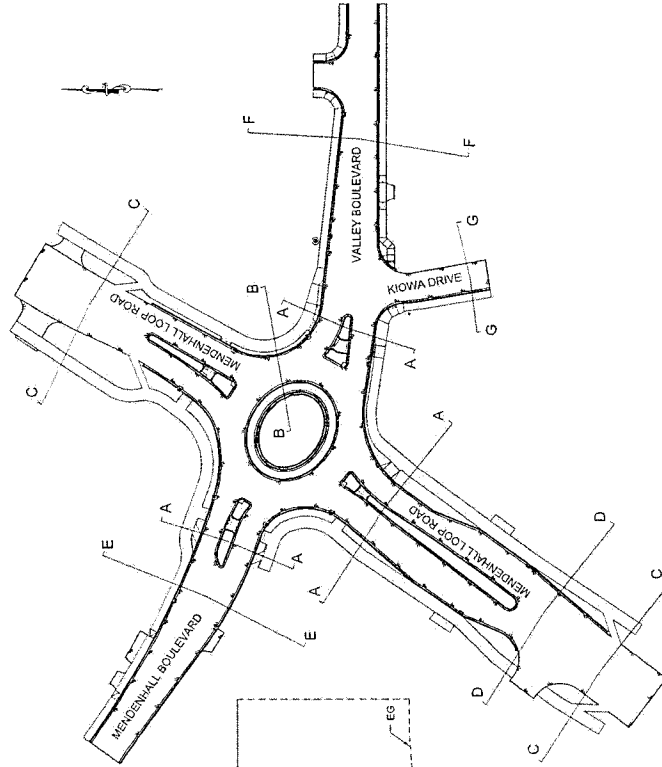


LEGEND & ABBREVIATIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SPRNG00403/09BEG03P	2024	81	84



ROUNDABOUT SECTION A-A
 STA "MLR RAB" 1+05 TO STA "MLR RAB" 5+77
 STA "MR-VB" 23+28 TO STA "MB-VB" 23+88
 STA "MB-VB" 25+22 TO STA "MB-VB" 25+68
 NTS



ROUNDABOUT SECTION B-B
 CENTER CIRCLE
 NTS

MENDENHALL BOULEVARD / VALLEY BOULEVARD ROUNDABOUT
 NTS
 STA "MLR RAB" 0+00 TO STA "MLR RAB" 7+02
 STA "MB-VB" 21+47 TO STA "MB-VB" 28+24



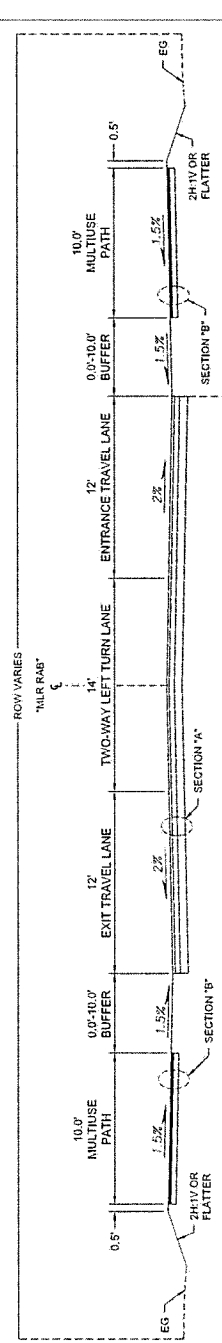
TYPICAL SECTIONS

CURB LEGEND

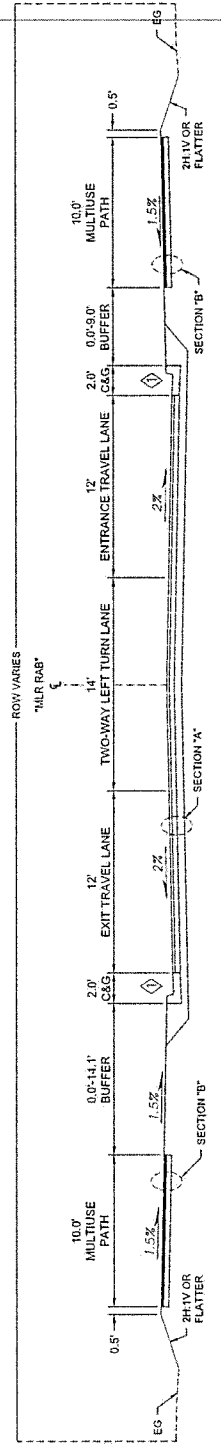
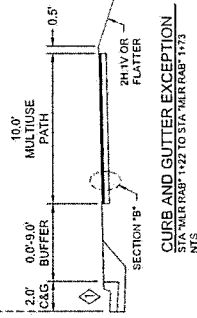
- ① STANDARD CURB & GUTTER
- ② MOUNTABLE CURB & GUTTER
- ③ VALLEY GUTTER
- ④ 4-INCH MOUNTABLE CURB & GUTTER
- ⑤ TRUCK APRON CURB & GUTTER



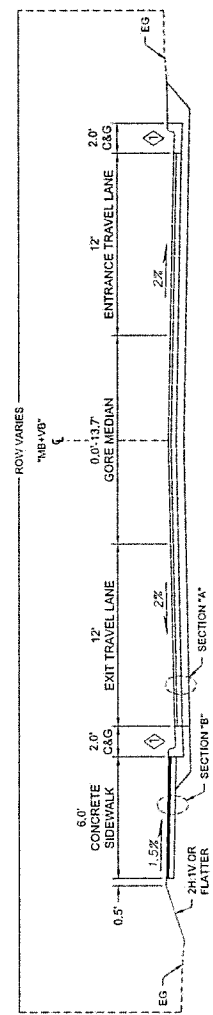
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SP-19090403/19166030	2024	B2	B4



MENDENDHALL LOOP ROAD SECTION C-C
 STA 141R+00 TO STA 141R+173
 STA 141R+06 0+77 TO STA 141R+06 0+99
 NTS



MENDENDHALL LOOP ROAD SECTION D-D
 STA 141R+00 TO STA 141R+173
 STA 141R+06 1+77 TO STA 141R+06 1+92
 NTS

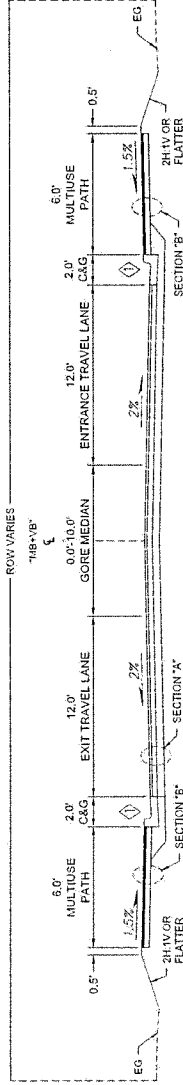


MENDENDHALL BOULEVARD SECTION E-E
 STA 141R+06 2+47 TO STA 141R+06 2+749
 NTS

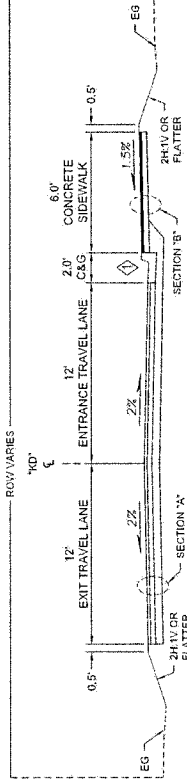
- CURB LEGEND**
- ① STANDARD CURB & GUTTER
 - ② MOUNTABLE CURB & GUTTER
 - ③ VALLEY GUTTER
 - ④ 4-HIGH MOUNTABLE CURB & GUTTER
 - ⑤ TRUCK APRON CURB & GUTTER

TYPICAL SECTIONS

NO.		DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
				ALASKA	SF-HR090403/086603D	2024	B3	54



VALLEY BOULEVARD SECTION F-F
 STA 74B+78 TO STA 74B+87 28' x 2'



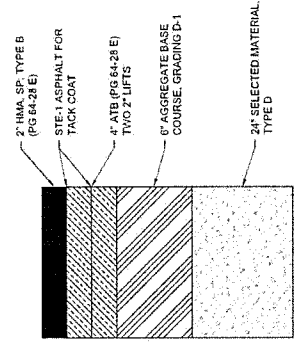
KIOWA DRIVE SECTION G-G
 STA 70D+118 TO STA 70D+213

- CURB LEGEND**
- STANDARD CURB & GUTTER
 - ◇ MOUNTABLE CURB & GUTTER
 - ◇ VALLEY GUTTER
 - ◇ 4-INCH MOUNTABLE CURB & GUTTER
 - ◇ TRUCK APRON CURB & GUTTER



TYPICAL SECTIONS

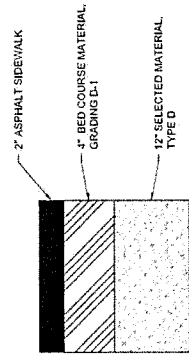
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFMHY00-03/0966030	2024	B4	B4



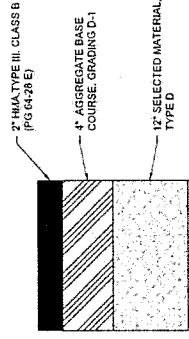
SECTION "A"
ROADWAYS AND ROUNDABOUT
NTS

NOTES

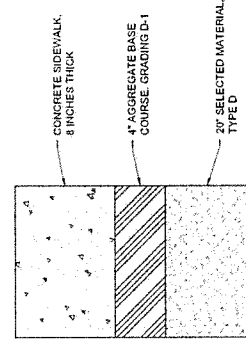
1. IN CUT OR FILL AREAS WITHIN THE EXISTING ROAD BED, EXISTING SUBGRADE CAN BE LEFT IN PLACE AND REUSED, ADD SELECTED MATERIAL, TYPE D, AS NEEDED TO MEET GRADES.
2. IN FILL AREAS OUTSIDE THE EXISTING ROAD BED, CONTRACTOR SHALL USE SELECTED MATERIAL, TYPE D.



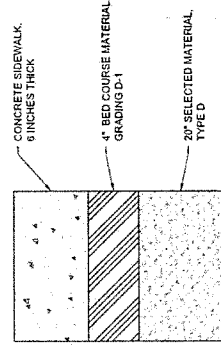
SECTION "B"
ASPHALT PATHWAYS
NTS



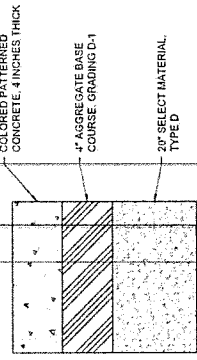
SECTION "C"
ASPHALT MEDIANS & PAVED APPROACHES
NTS



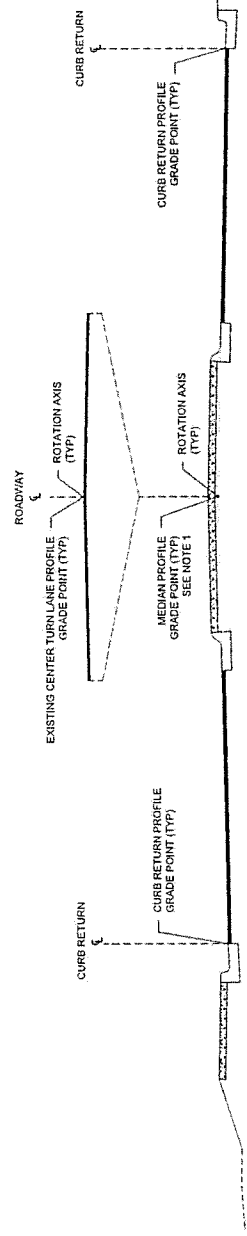
SECTION "D"
ROUNDABOUT TRUCK APPROIS
NTS



SECTION "E"
BUS SHELTER PADS & SIDEWALKS
NTS



SECTION "F"
CONCRETE MEDIANS
NTS



CONTROL AND ROTATION AXIS POINT LAYOUT FOR TYPICAL SECTIONS
ROADWAY, ROUNDABOUT, AND PATHS
NTS

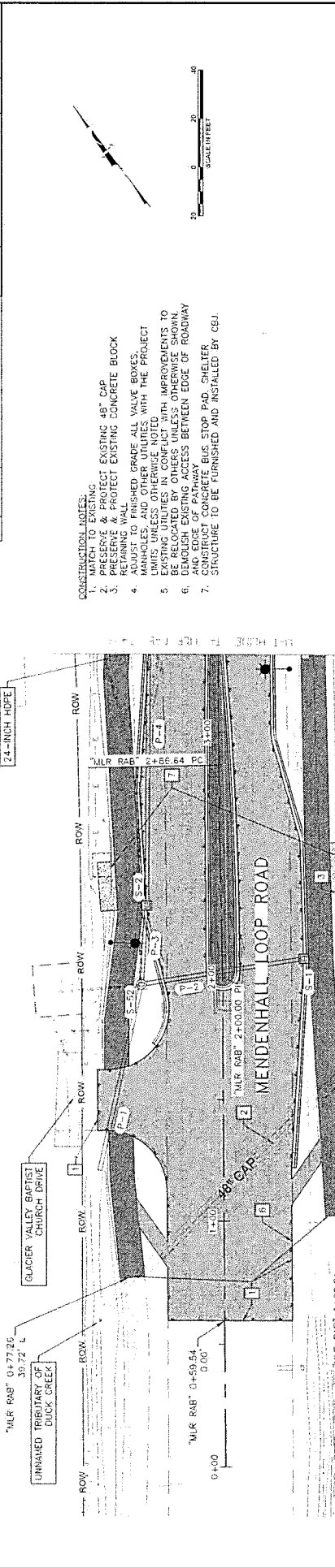
NOTES

1. PROFILE GRADE POINT OF MEDIANS EQUALS THE EXTENSION OF THE TOP OF ASPHALT OF THE DRIVING SURFACE TO THE ALIGNMENT CENTERLINE.
2. PATHWAY ALIGNMENTS AND PROFILES WILL BE PROVIDED AT PH.

TYPICAL SECTIONS



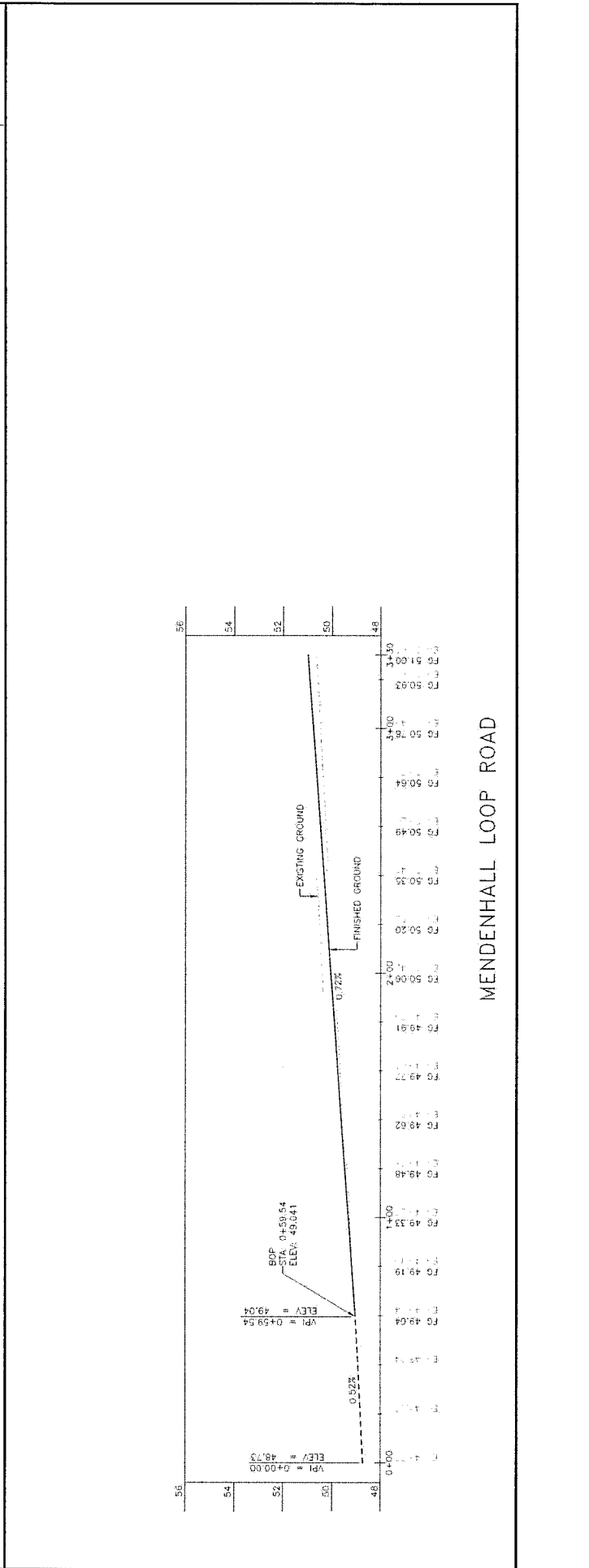
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SPHWY 09403/0966030	2024	F1	F9



- CONSTRUCTION NOTES:**
1. MATCH TO EXISTING PROJECT TO THE WEST.
 2. PRESERVE & PROTECT EXISTING CONCRETE BLOCK RETAINING WALL.
 3. ADJUST TO FINISHED GRADE ALL VALVE BOXES, UNLESS OTHERWISE NOTED.
 4. EXISTING UTILITIES IN CONFLICT WITH IMPROVEMENTS TO BE RELOCATED BY OTHERS UNLESS OTHERWISE SHOWN.
 5. DEMOLISH EXISTING ACCESS BETWEEN EDGE OF ROADWAY AND EXISTING CONCRETE BUS STOP PAD. SHELTER STRUCTURE TO BE FURNISHED AND INSTALLED BY CEJ.



- NOTES TO REVIEWER:**
1. DETAILED GRADING LAYOUT SHEETS WILL BE PROVIDED AT THE PH SUBMITTAL.
 2. NEW SIGN LOCATIONS AND SIGN DETAILS WILL BE SHOWN AT THE PH SUBMITTAL.
 3. ALIGNMENT GEOMETRY NOT SHOWN IN PLAN VIEW TO REDUCE CLUTTER. THIS INFORMATION WILL BE PROVIDED AT THE PH SUBMITTAL.

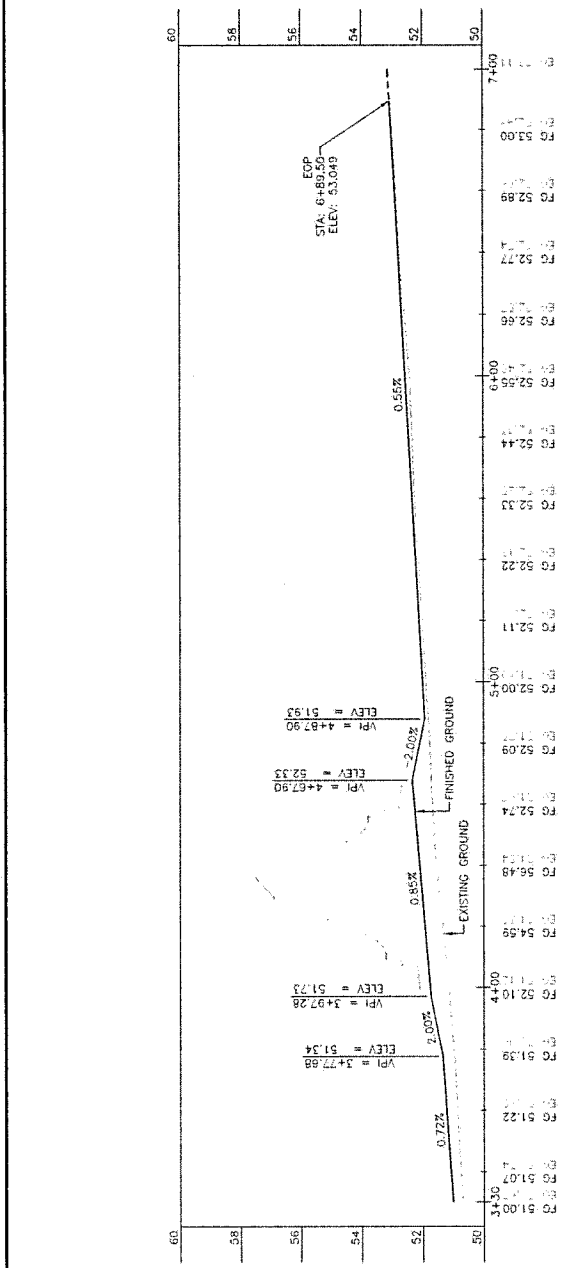
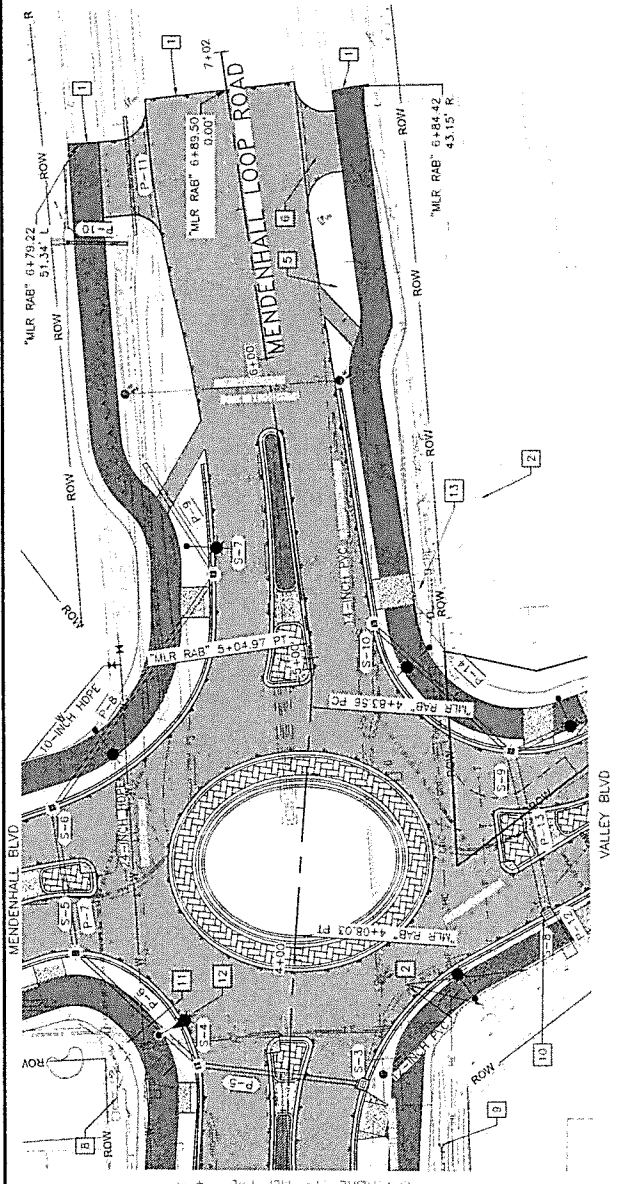


MENDENHALL LOOP ROAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFMWY 0040370996030	2024	F2	F9

- CONSTRUCTION NOTES:**
1. MATCH TO EXISTING
 2. PRESERVE AND PROTECT EXISTING UTILITY POLE, CONDUIT, MANHOLES, AND OTHER UTILITIES WITHIN THE PROJECT LIMITS, UNLESS OTHERWISE SHOWN
 3. ADJUST TO FINISHED GRADE ALL VALVE BOXES, TRANSFORMER AND OTHER UTILITY BOXES, BE RELOCATED BY OTHERS, UNLESS OTHERWISE SHOWN
 4. DEMOLISH EXISTING ACCESS BETWEEN EDGE OF ROADWAY AND EDGE OF PATHWAY
 5. RECONSTRUCT DRIVEWAY
 6. RECONSTRUCT INFRASTRUCTURE COORDINATE WITH DOT&PF ON WHAT EQUIPMENT IS TO BE SALVAGED
 7. PRESERVE & PROTECT EXISTING ELECTRICAL TRANSFORMER AND OTHER UTILITY BOXES, BEARING WALL
 8. PRESERVE & PROTECT EXISTING CONCRETE BLOCK
 9. REMOVE & SALVAGE EXISTING HYDRANT, RISER, AND VALVE ASSEMBLY
 10. OIL/WATER SEPARATOR
 11. REMOVE & SALVAGE EXISTING CONCRETE BUS STOP SHELTER PAD
 12. VALVE ASSEMBLY
 13. SALVAGE EXISTING CONCRETE BUS STOP SHELTER STRUCTURE

- NOTES TO REVIEWER:**
1. LANDSCAPED CENTER ISLAND; DETAILS TO BE PROVIDED IN PH SUBMITTAL
 2. DETAILED GRADING SHEETS WILL BE PROVIDED AT THE PH SUBMITTAL
 3. NEW SIGN LOCATIONS AND SIGN DETAILS WILL BE SHOWN AT THE PH SUBMITTAL
 4. LIGHTING LAYOUT IS PRELIMINARY AND FURTHER DETAIL WILL BE PROVIDED AT THE PH SUBMITTAL

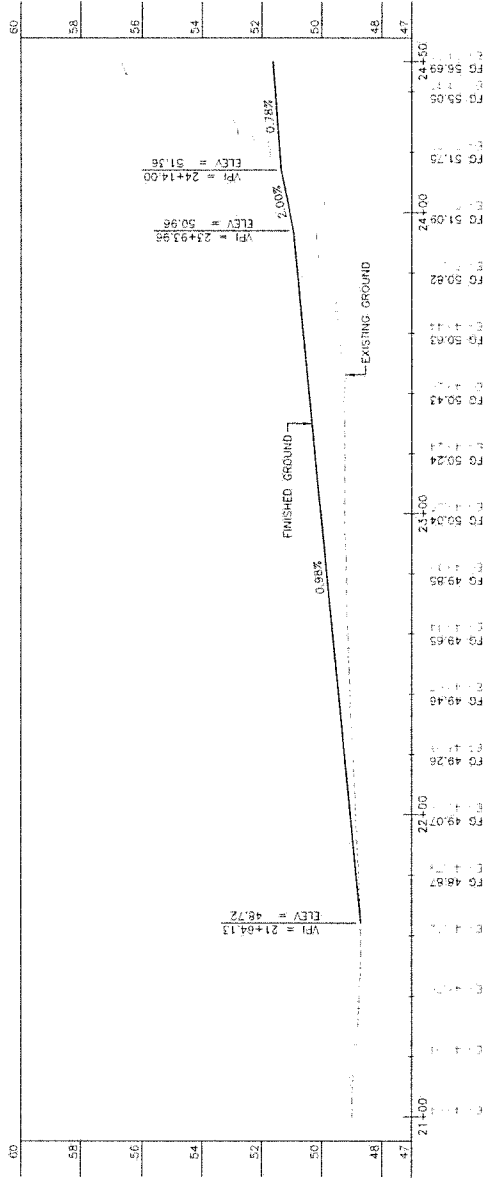
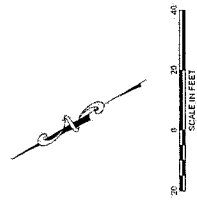
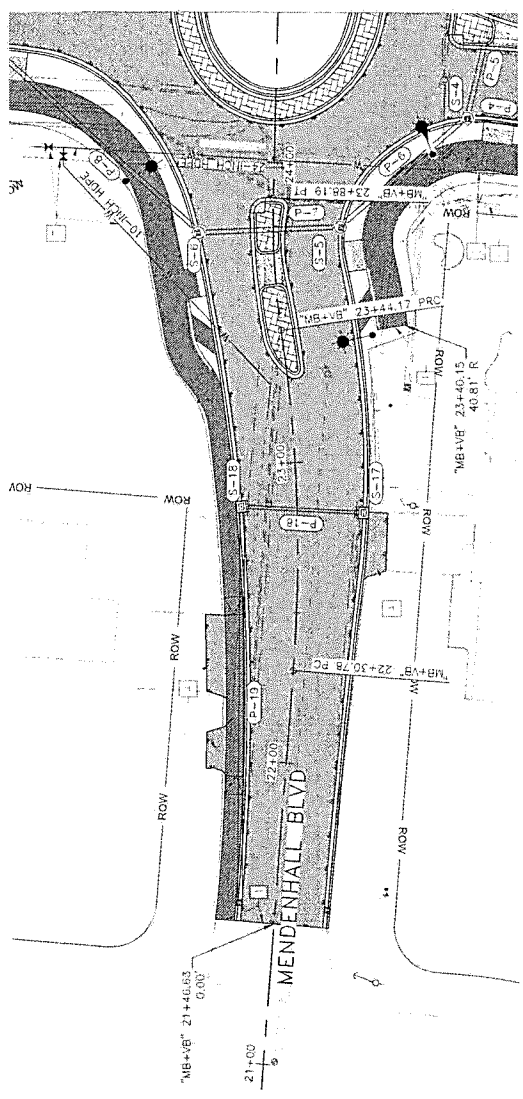


MENDENHALL LOOP ROAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFRHY 00403/0966030	2024	F3	F9

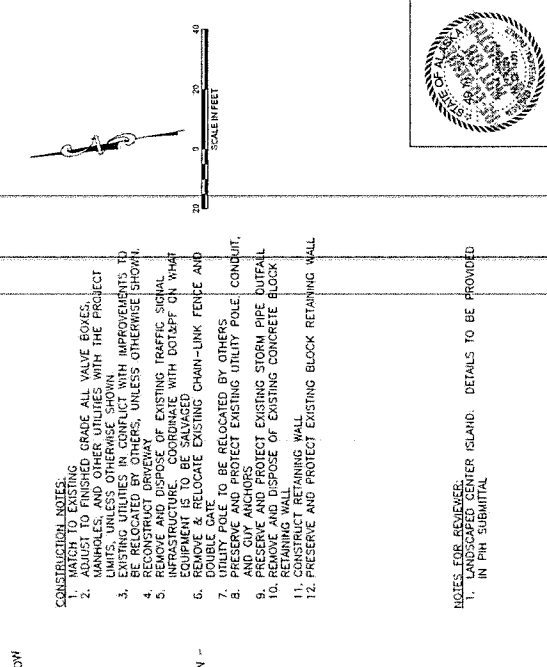
- CONSTRUCTION NOTES:**
1. ADJUST TO FINISHED GRADE ALL VALVE BOXES, MANHOLES, AND OTHER UTILITIES WITHIN THE PROJECT LIMITS, UNLESS OTHERWISE SHOWN.
 2. EXISTING UTILITIES IN CONFLICT WITH IMPROVEMENTS TO BE CONSTRUCTED SHALL BE RELOCATED UNLESS OTHERWISE SHOWN.
 3. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL INFRASTRUCTURE, COORDINATE WITH DOT&PF ON WHAT PRESERVE IS PROJECT EXISTING ELECTRICAL TRANSFORMER AND OTHER UTILITY BOXES.
 4. TRANSFORMER AND OTHER UTILITY BOXES.
 5. INSTALL NEW WATERMAIN AND VALVES.

- NOTES TO BEAWARE:**
1. ALL WORK SHALL BE PERFORMED UNDER ISLAND. DETAILS TO BE PROVIDED IN PH SUBMITTAL.
 2. NEW SIGN LOCATIONS AND SIGN DETAILS WILL BE SHOWN AT THE PH SUBMITTAL.



MENDENHALL BLVD

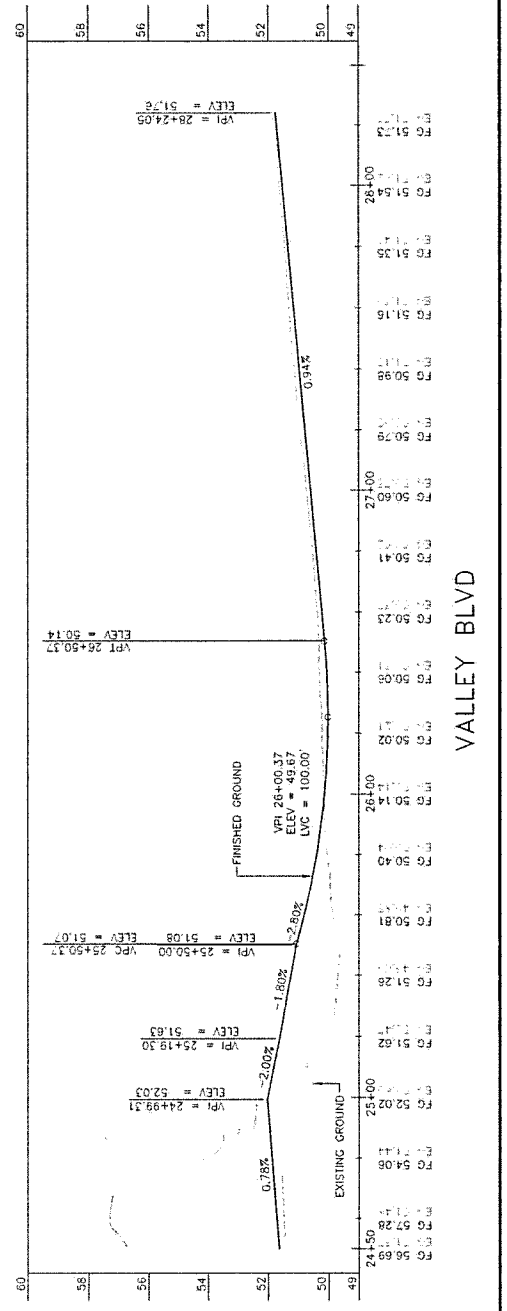
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFMAY 09403/09B6030	2024	F4	F9



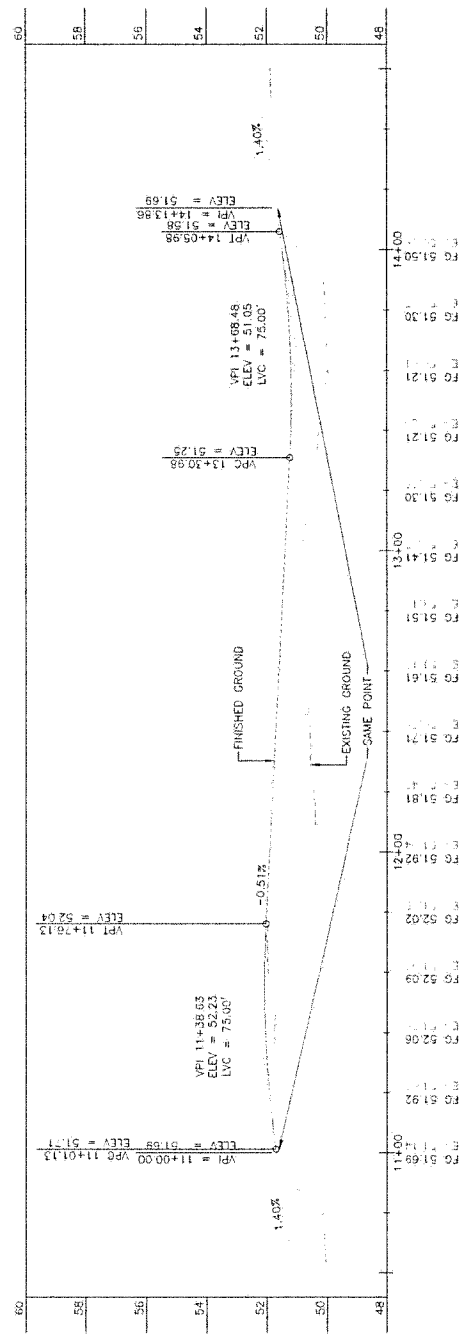
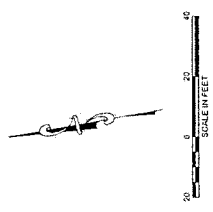
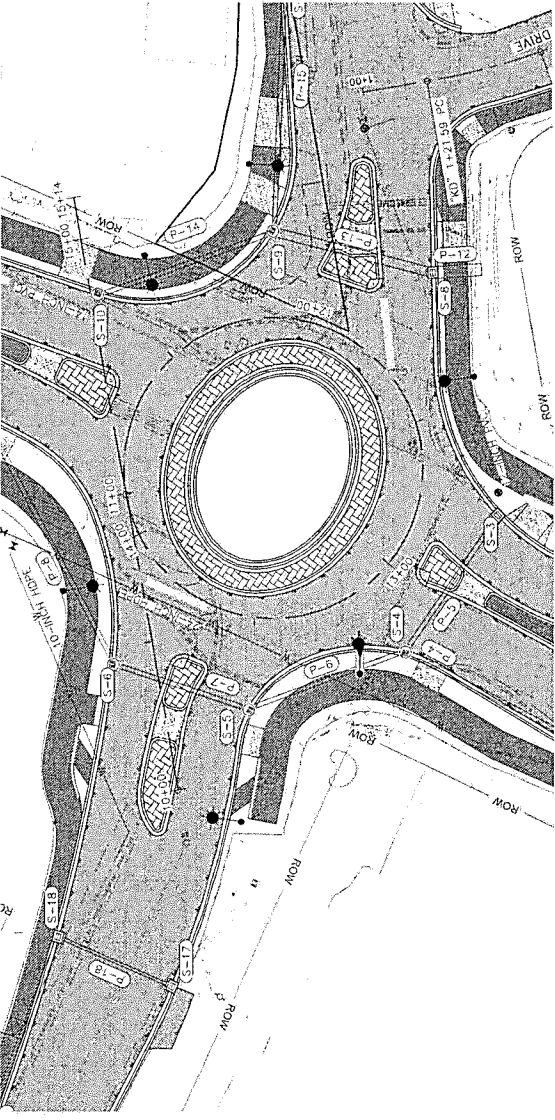
- CONSTRUCTION NOTES:
- MATCH TO EXISTING
 - ADJUST TO FINISHED GRADE ALL VALVE BOXES, MANHOLES, AND OTHER UTILITIES WITH THE PROJECT
 - REMOVE AND DISPOSE OF EXISTING UTILITY POLES, UNLESS SPECIFICALLY NOTED WITH IMPROVEMENTS TO BE RELOCATED BY OTHERS, UNLESS OTHERWISE SHOWN
 - RECONSTRUCT DRIVEWAY
 - REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED WITH CONSENT ON WHAP
 - REMOVE & RELOCATE EXISTING CHAIN-LINK FENCE AND DOUBLE GATE
 - UTILITY POLE TO BE RELOCATED BY OTHERS
 - PRESERVE EXISTING UTILITY POLE, CONDUIT, AND GUY ANCHORS
 - PRESERVE AND PROTECT EXISTING STORM PIPE DUTFALL
 - REMOVE AND DISPOSE OF EXISTING CONCRETE BLOCK RETAINING WALL
 - REMOVE AND DISPOSE OF EXISTING BLOCK RETAINING WALL
 - CONSTRUCT RETAINING WALL
 - PRESERVE AND PROTECT EXISTING BLOCK RETAINING WALL



NOTES FOR REVIEWER:
 1. LANDSCAPED CENTER ISLAND. DETAILS TO BE PROVIDED IN PH SUBMITAL

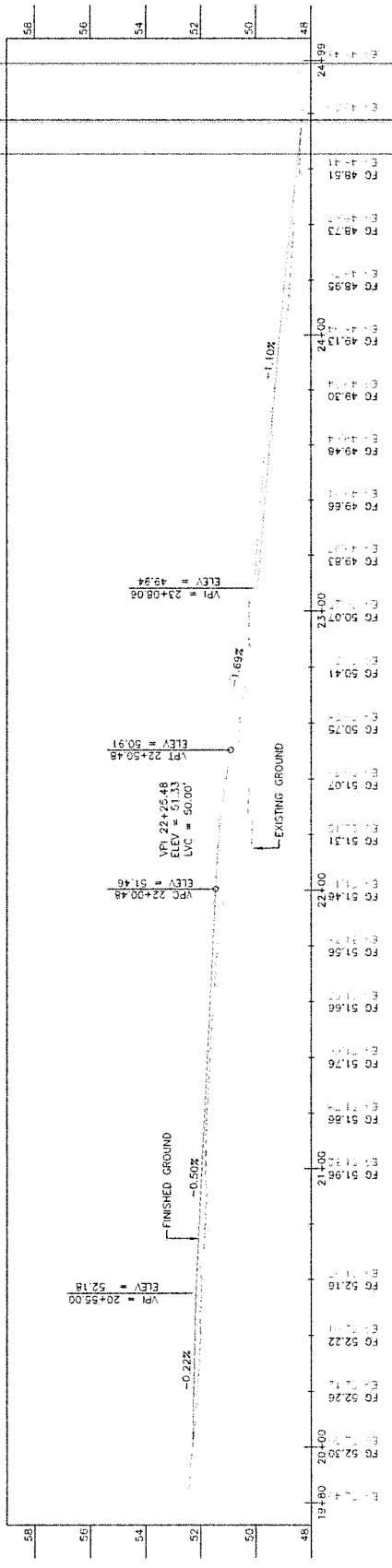
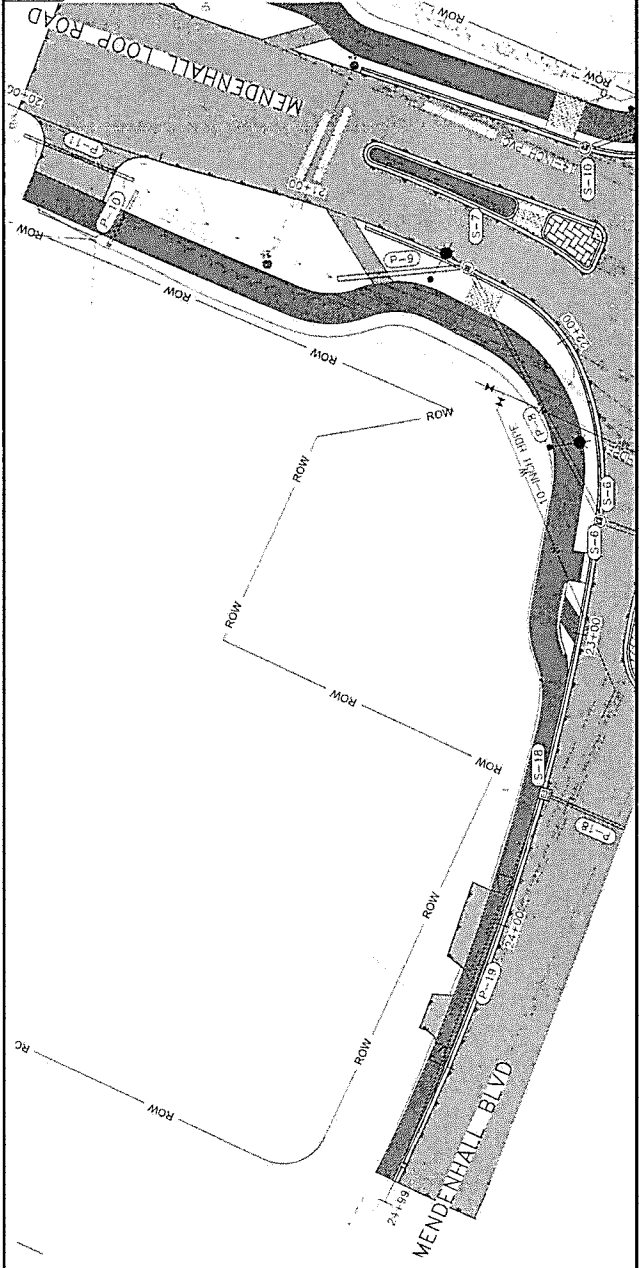
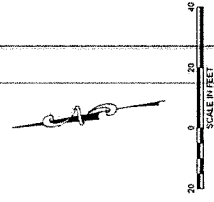


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SPRKY 03403/0956030	2024	F5	F9



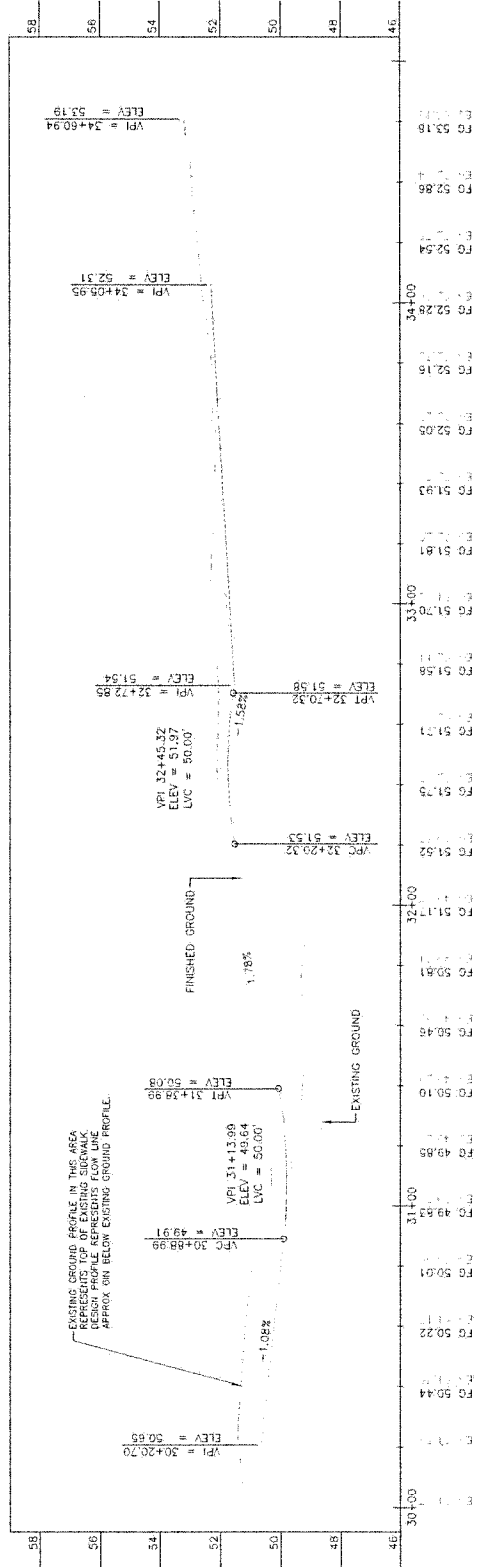
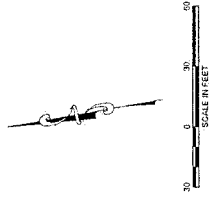
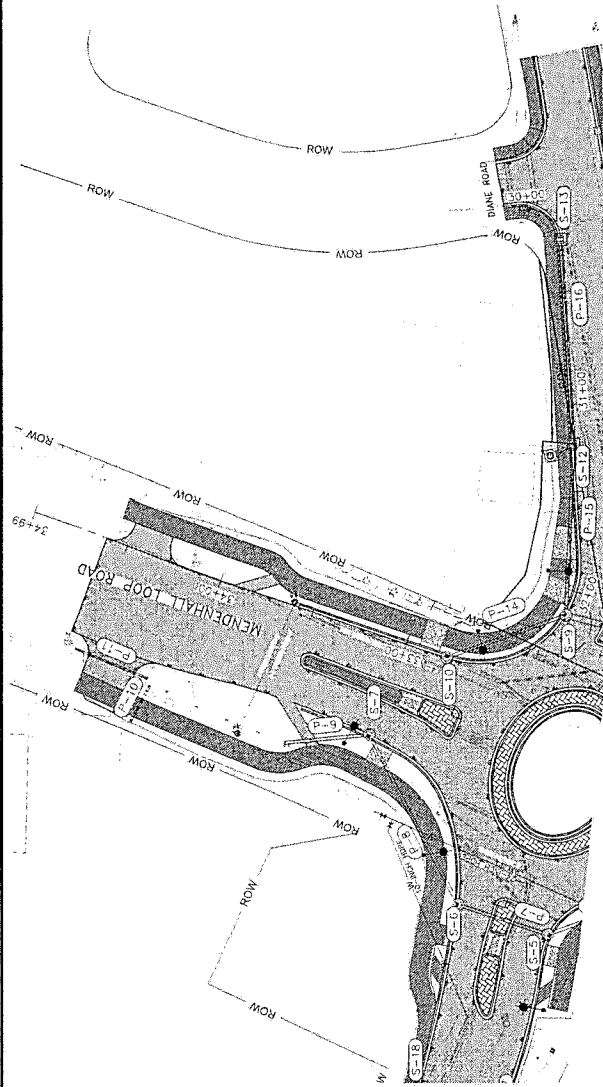
ROUNDABOUT CIRCULATORY PROFILE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFMHY 00403/0966030	2024	FG	F9



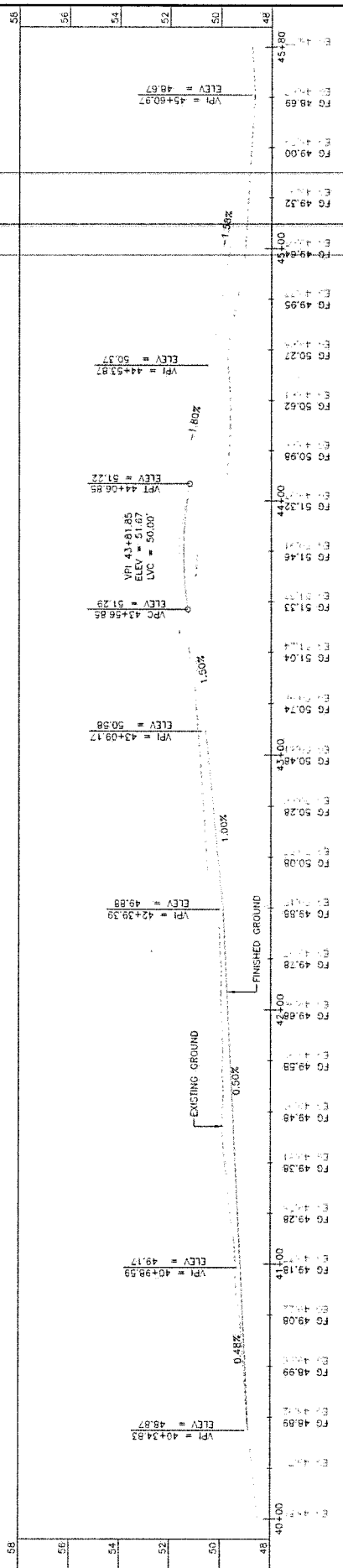
NORTHWEST CURB RETURN

REVISION		STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	ALASKA	SFMWY 06-603/09-6603D	2024	F7	F9

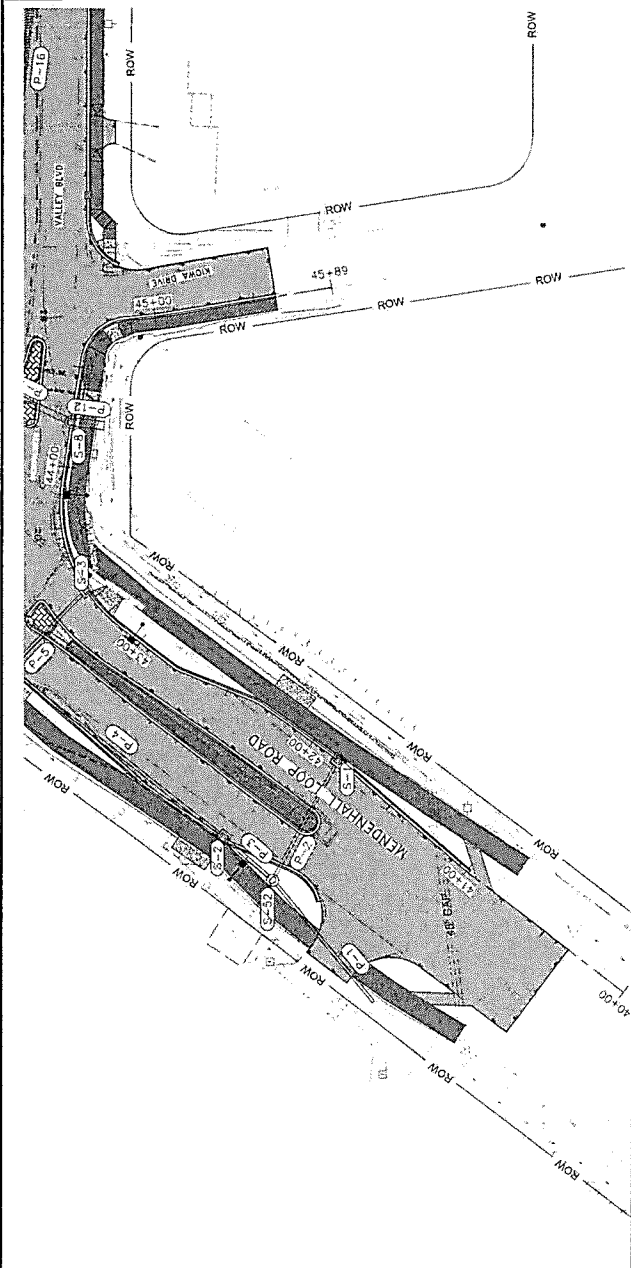


NORTHEAST CURB RETURN

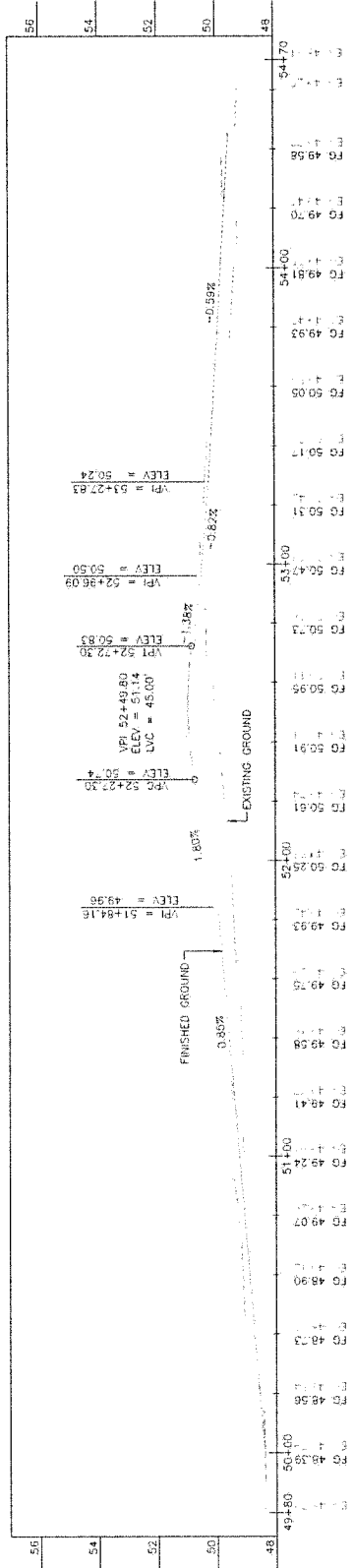
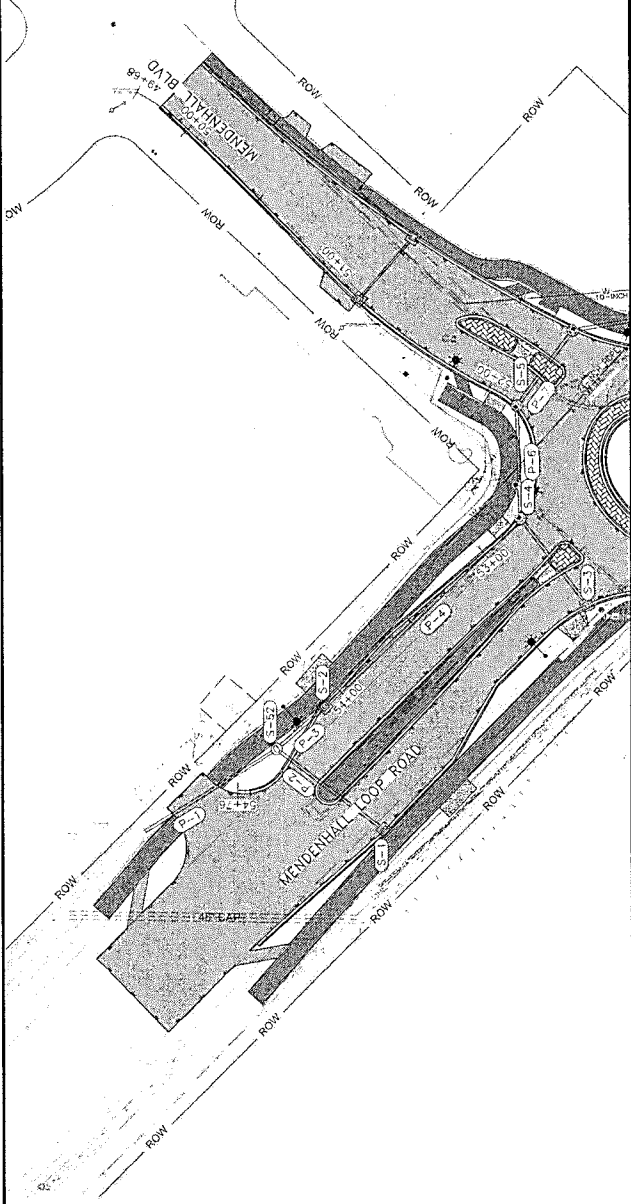
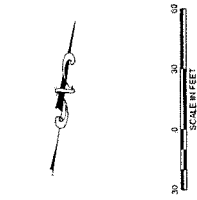
SOUTHEAST CURB RETURN



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFMW 00403/0966030	2024	F8	F9



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFRMT 09403/0966030	2024	F9	F9

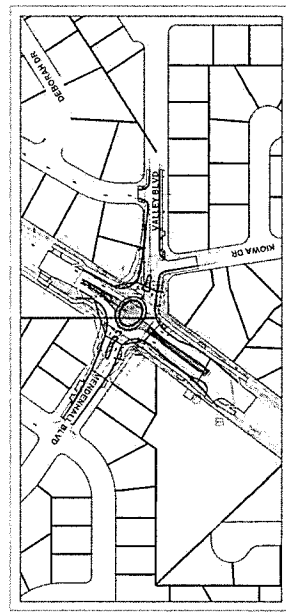
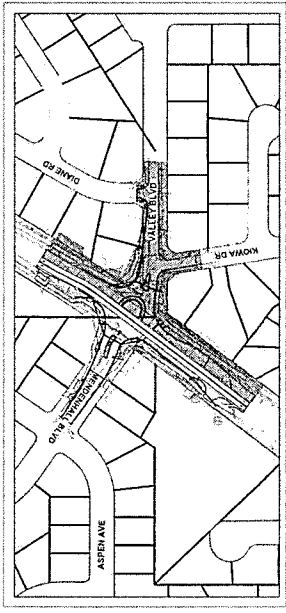
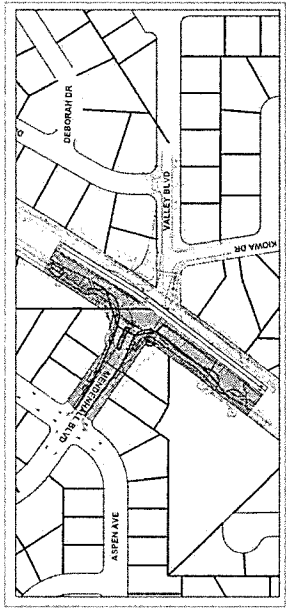
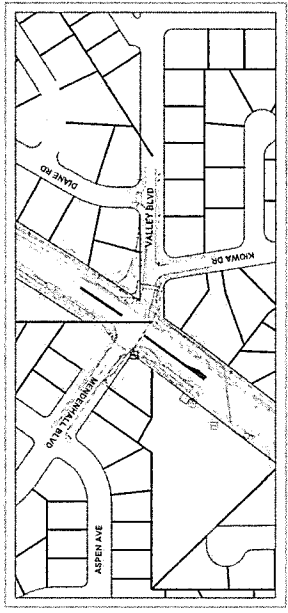


SOUTHWEST CURB RETURN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH-WY0903/0966030	2024	51	55

TOP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1.003.4 DATED OCTOBER 31, 2023

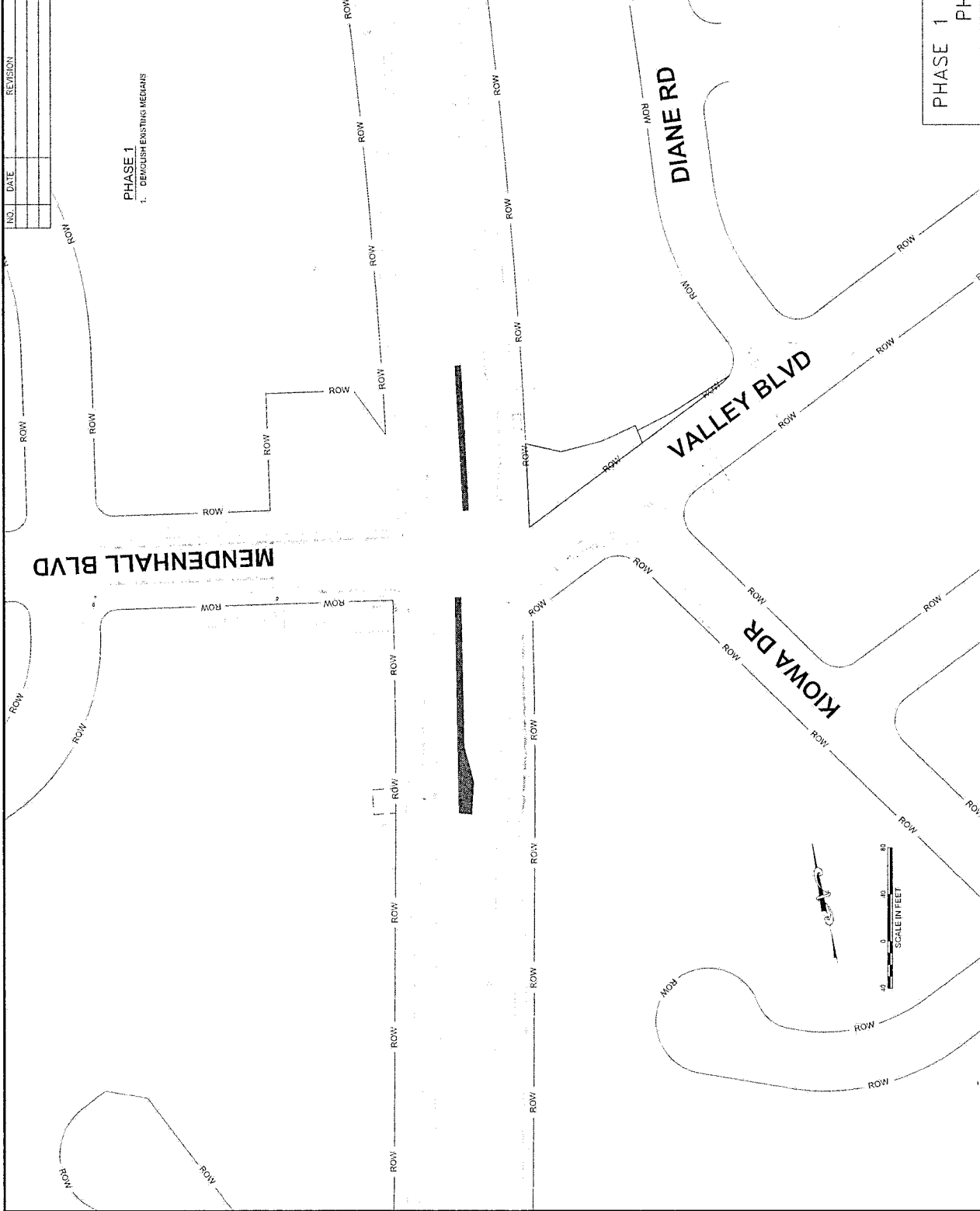
CONSTRUCTION PHASING OVERVIEW



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
S1	CONSTRUCTION PHASING OVERVIEW
S2	PHASE 1 - CONSTRUCTION PHASING - DEMO MEDIANS
S3	PHASE 2 - CONSTRUCTION PHASING - WEST
S4	PHASE 3 - CONSTRUCTION PHASING - EAST
S5	PHASE 4 - CONSTRUCTION PHASING - TRUCK APRON AND MEDIANS



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	5FH1702401/0916030	2024	52	55



PHASE 1
1. DEMOLISH EXISTING MEDIANS

PHASE 1 CONSTRUCTION PHASING

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.1.4 DATED OCTOBER 31, 2023

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH000403/09966030	2024	53	55



PHASE 2

1. DISCONNECT TRAFFIC LIGHTING SYSTEM. REMOVE POLES AND OVERHEAD COMPONENTS.
2. WORK SHALL BEGIN ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION.
3. EAST SIDE OF MENDENHALL LOOP ROAD WILL REMAIN OPEN AND EXISTING PAVEMENT WILL REMAIN IN PLACE. PROVIDE ADDITIONAL TEMPORARY PAVEMENT AS NEEDED IN ORDER TO MAINTAIN (2) 11 FOOT WIDE PAVED AND STRIPED TEMPORARY LANES FOR TWO-WAY TRAFFIC. SHIF EXISTING PEDESTRIAN PATH AND REMOVE EXISTING CURB AND GUTTER AND OBSTRUCTIONS WHERE NEEDED.
4. CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION.
 - a. REMOVE EXISTING PAVEMENT, SIDEWALK, STORM PIPE, STRUCTURES AND OBSTRUCTIONS.
 - b. RELOCATE EXISTING WATER MAIN AND HYDRANT.
 - c. RELOCATE EXISTING WATER LINE VALVES AND HYDRANT.
 - d. RELOCATE EXISTING WATER METER.
 - e. RELOCATE EXISTING WATER METER.
 - f. RELOCATE EXISTING WATER METER.
 - g. RELOCATE EXISTING WATER METER.
 - h. RELOCATE EXISTING WATER METER.
 - i. RELOCATE EXISTING WATER METER.
 - j. RELOCATE EXISTING WATER METER.
 - k. RELOCATE EXISTING WATER METER.
 - l. RELOCATE EXISTING WATER METER.
 - m. RELOCATE EXISTING WATER METER.
 - n. RELOCATE EXISTING WATER METER.
 - o. RELOCATE EXISTING WATER METER.
 - p. RELOCATE EXISTING WATER METER.
 - q. RELOCATE EXISTING WATER METER.
 - r. RELOCATE EXISTING WATER METER.
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 - u. RELOCATE EXISTING WATER METER.
 - v. RELOCATE EXISTING WATER METER.
 - w. RELOCATE EXISTING WATER METER.
 - x. RELOCATE EXISTING WATER METER.
 - y. RELOCATE EXISTING WATER METER.
 - z. RELOCATE EXISTING WATER METER.
5. SEE T SHEETS FOR DETOUR RECOMMENDATIONS
6. PROVIDE PEDESTRIAN ACCESS THROUGH THE CONSTRUCTION SITE AT ALL TIMES.
7. RELOCATE THE EXISTING BUS STOP TO A TEMPORARY LOCATION. MAINTAIN PEDESTRIAN ACCESS TO THE TEMPORARY BUS STOP LOCATION DURING CONSTRUCTION (LOCATION OF THE TEMPORARY BUS STOP IS YET TO BE COORDINATED WITH CBJ CAPITAL TRANSIT)

1. DISCONNECT TRAFFIC LIGHTING SYSTEM. REMOVE POLES AND OVERHEAD COMPONENTS.
2. WORK SHALL BEGIN ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION.
3. EAST SIDE OF MENDENHALL LOOP ROAD WILL REMAIN OPEN AND EXISTING PAVEMENT WILL REMAIN IN PLACE. PROVIDE ADDITIONAL TEMPORARY PAVEMENT AS NEEDED IN ORDER TO MAINTAIN (2) 11 FOOT WIDE PAVED AND STRIPED TEMPORARY LANES FOR TWO-WAY TRAFFIC. SHIF EXISTING PEDESTRIAN PATH AND REMOVE EXISTING CURB AND GUTTER AND OBSTRUCTIONS WHERE NEEDED.
4. CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION.
 - a. REMOVE EXISTING PAVEMENT, SIDEWALK, STORM PIPE, STRUCTURES AND OBSTRUCTIONS.
 - b. RELOCATE EXISTING WATER MAIN AND HYDRANT.
 - c. RELOCATE EXISTING WATER LINE VALVES AND HYDRANT.
 - d. RELOCATE EXISTING WATER METER.
 - e. RELOCATE EXISTING WATER METER.
 - f. RELOCATE EXISTING WATER METER.
 - g. RELOCATE EXISTING WATER METER.
 - h. RELOCATE EXISTING WATER METER.
 - i. RELOCATE EXISTING WATER METER.
 - j. RELOCATE EXISTING WATER METER.
 - k. RELOCATE EXISTING WATER METER.
 - l. RELOCATE EXISTING WATER METER.
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 - q. RELOCATE EXISTING WATER METER.
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 - v. RELOCATE EXISTING WATER METER.
 - w. RELOCATE EXISTING WATER METER.
 - x. RELOCATE EXISTING WATER METER.
 - y. RELOCATE EXISTING WATER METER.
 - z. RELOCATE EXISTING WATER METER.
5. SEE T SHEETS FOR DETOUR RECOMMENDATIONS
6. PROVIDE PEDESTRIAN ACCESS THROUGH THE CONSTRUCTION SITE AT ALL TIMES.
7. RELOCATE THE EXISTING BUS STOP TO A TEMPORARY LOCATION. MAINTAIN PEDESTRIAN ACCESS TO THE TEMPORARY BUS STOP LOCATION DURING CONSTRUCTION (LOCATION OF THE TEMPORARY BUS STOP IS YET TO BE COORDINATED WITH CBJ CAPITAL TRANSIT)

MENDENHALL LOOP ROAD

DIANE RD

DEBORAH DR

VALLEY BLVD

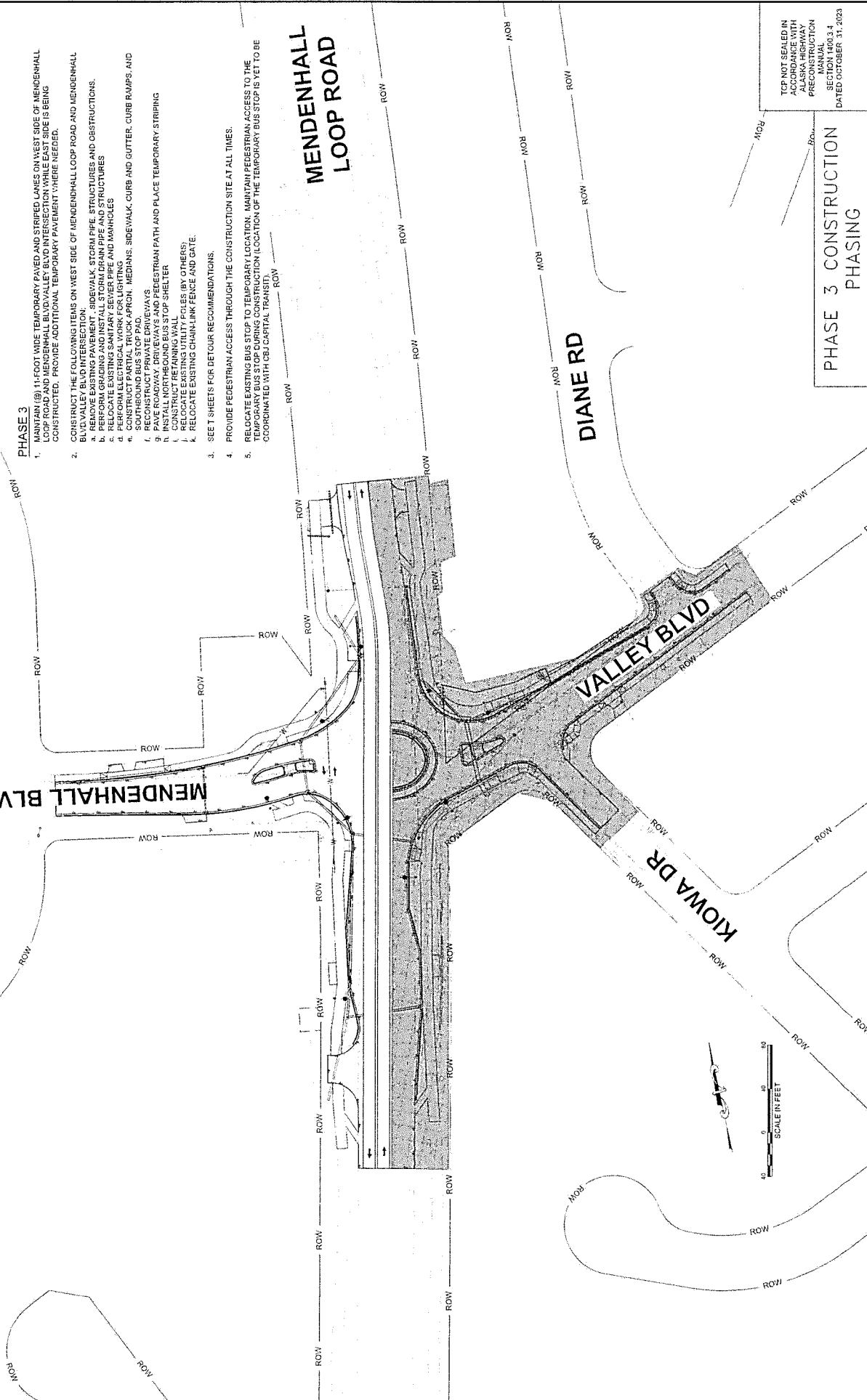
KIOWA DR

PHASE 2 CONSTRUCTION PHASING

TCP NOT SEALED IN ACCORDANCE WITH ALASKA REGULATION PRECONSTRUCTION MANUAL SECTION 1400.3.4 DATED OCTOBER 31, 2023

SCALE IN FEET

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH190403/09166030	2024	54	55



PHASE 3

1. MAINTAIN (8) 11-FOOT WIDE TEMPORARY PAVED AND STRIPED LANES ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION WHILE EAST SIDE IS BEING CONSTRUCTED. PROVIDE ADDITIONAL TEMPORARY PAVEMENT WHERE NEEDED.
2. CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION:
 - a. REMOVE EXISTING PAVEMENT, SIDEWALK, STORM PIPE, STRUCTURES AND OBSTRUCTIONS.
 - b. RELOCATE EXISTING SANITARY SEWER PIPE AND MANHOLES
 - c. RELOCATE EXISTING SANITARY SEWER PIPE AND MANHOLES
 - d. PERFORM ELECTRICAL WORK FOR LIGHTING
 - e. CONSTRUCT PARTIAL TRUCK APRON, MEDIAN, SIDEWALK, CURB AND GUTTER, CURB RAMPS, AND SIDEWALK ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION.
 - f. RECONSTRUCT PRIVATE DRIVEWAYS
 - g. PAVE ROADWAY, DRIVEWAYS AND PEDESTRIAN PATH AND PLACE TEMPORARY STRIPING
 - h. INSTALL NORTHBOUND BUS STOP SHELTER
 - i. CONSTRUCT RETAINING WALL
 - j. RELOCATE EXISTING UTILITIES (POLES, BY OTHERS)
 - k. RELOCATE EXISTING CHAINLINK FENCE AND GATE.
3. SEE T SHEETS FOR DETOUR RECOMMENDATIONS.
4. PROVIDE PEDESTRIAN ACCESS THROUGH THE CONSTRUCTION SITE AT ALL TIMES.
5. RELOCATE EXISTING BUS STOP TO TEMPORARY LOCATION. MAINTAIN PEDESTRIAN ACCESS TO THE TEMPORARY BUS STOP DURING CONSTRUCTION (LOCATION OF THE TEMPORARY BUS STOP IS YET TO BE COORDINATED WITH CBI CAPITAL TRANSIT)

MENDENHALL LOOP ROAD

DIANE RD

VALLEY BLVD

KIOWA DR



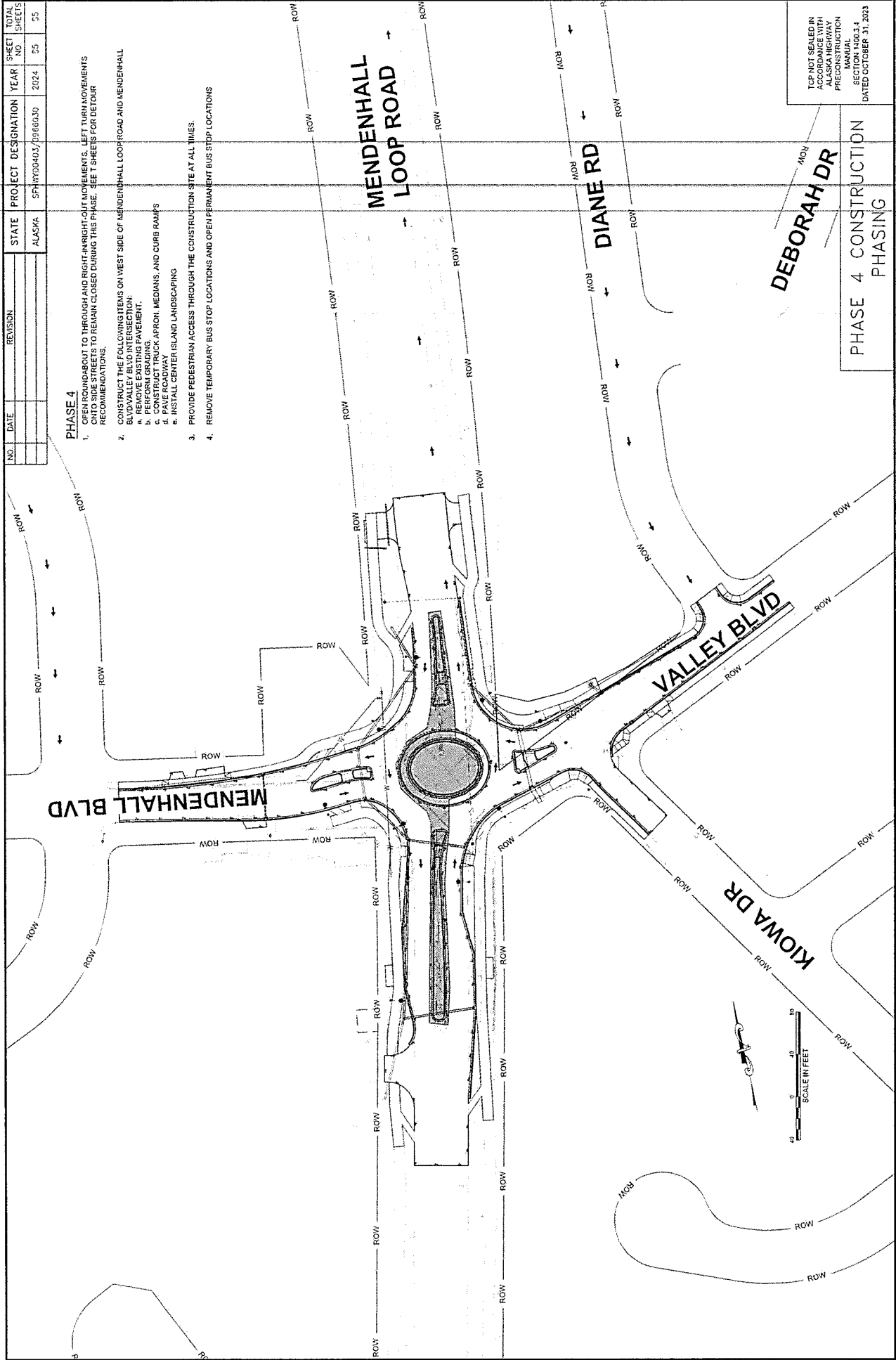
PHASE 3 CONSTRUCTION PHASING

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PREPARATION CONSTRUCTION MANUAL SECTION 1400.3.4 DATED OCTOBER 31, 2023

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH-WY00403/0966030	2024	55	55

PHASE 4

- OPEN ROUNDABOUT TO THROUGH AND RIGHT-IN-RIGHT-OUT MOVEMENTS. LEFT TURN MOVEMENTS ONTO SIDE STREETS TO REMAIN CLOSED DURING THIS PHASE. SEE T SHEETS FOR DETOUR RECOMMENDATIONS.
- CONSTRUCT THE FOLLOWING ITEMS ON WEST SIDE OF MENDENHALL LOOP ROAD AND MENDENHALL BLVD/VALLEY BLVD INTERSECTION:
 - REMOVE EXISTING PAVEMENT.
 - PERFORM GRADING.
 - CONSTRUCT TRUCK APRON, MEDIANS, AND CURB RAMPS.
 - INSTALL CENTER ISLAND LANDSCAPING.
- PROVIDE PEDESTRIAN ACCESS THROUGH THE CONSTRUCTION AND OPEN PERMANENT BUS STOP LOCATIONS.
- REMOVE TEMPORARY BUS STOP LOCATIONS AND OPEN PERMANENT BUS STOP LOCATIONS.



TCP NOT SEALED IN ACCORDANCE WITH PRECONSTRUCTION MANUAL SECTION 1400.3.4 DATED OCTOBER 31, 2023

PHASE 4 CONSTRUCTION PHASING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFRH700403/08B6030	2024	11	15

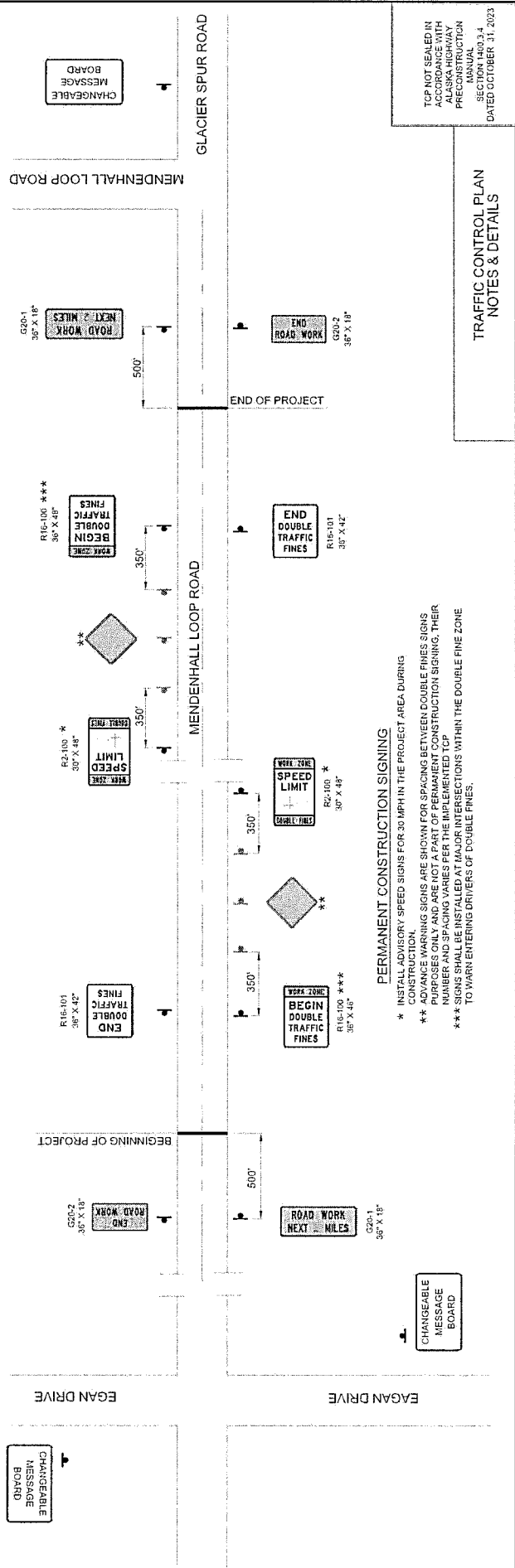
SPEED* (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET		MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET		MAX DEVICE SPACING IN FEET		BUFFER SPACES IN FEET**
	10'	11'	10'	11'	ALONG TAPER	TANGENT	
25 OR BELOW	105	115	125	6	25	59	155
30	150	165	180	7	30	60	200
35	205	225	245	8	35	70	250
40	270	295	320	9	40	80	305
45	450	495	540	11	45	90	330
50	500	550	600	11	45	90	435
55	550	605	660	11	45	90	405
60	600	660	720	11	45	90	570

* POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH
 ** LONGITUDINAL BUFFER SPACE IS SHOWN IN THE TABLE. LATERAL BUFFER SPACE TO BE DETERMINED AND WILL VARY DEPENDING ON PHASE



TRAFFIC CONTROL NOTES

- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO INCLUDE ALL ITEMS REQUIRED TO DIRECT TRAFFIC THROUGH OR AROUND THE TRAFFIC CONTROL ZONE. ALL FINAL TRAFFIC CONTROL PLANS SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT ENGINEER PRIOR TO THE PROJECTS PRE-CONSTRUCTION MEETING.
- CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS ON PROVIDING ACCESS TO PRIVATE PROPERTIES, FOR AN ACCEPTABLE TIME TO RECONSTRUCT DRIVEWAYS AND ACCESS FOR SERVICE VEHICLES, SUCH AS MAIL, WASTE COLLECTION, FUEL TRUCKS, ETC. TO PRIVATE PROPERTIES.
- MAINTAIN EXISTING OR TEMPORARY BUS STOPS, AND ACCESS TO THEM THROUGHOUT THE PROJECT. COORDINATE WITH THE CBI PRIOR TO TEMPORARY RELOCATION, OR REMOVAL OF A BUS STOP.
- CONTRACTOR SHALL PROVIDE ACCESS TO PEDESTRIANS, INCLUDING THOSE WITH DISABILITIES, AND BICYCLE USERS THROUGH USE OF TEMPORARY SHUTTLE AND ALTERNATE PEDESTRIAN ROUTES. ALL TEMPORARY ROUTES AND SHUTTLES SHALL BE IDENTICALLY MARKED (SEC. 6A3.3.03).
- CONTRACTOR SHALL PROVIDE ACCESS TO EMERGENCY SERVICES THROUGHOUT THE PROJECT DURING WORKING HOURS. PROVIDE PARALLEL LOCAL ACCESS FOR EMERGENCY VEHICLE ACCESS (SEC. 6A3.3.03).
- CONTRACTOR SHALL COORDINATE WITH SCHOOL DISTRICT AND COTTAGE AREA TO STARTING ANY CONSTRUCTION ACTIVITIES THAT IMPACT ACCESS TO THE GLACIER VALLEY ELEMENTARY SCHOOL AND FLOYD DRYER MIDDLE SCHOOL. (SEC. 6A3.3.03, 6A3.3.08)
- COORDINATE WITH IMPACTED BUSINESS OWNERS, INCLUDING TRUCK, GREEK MARKET AND ADRIENNAS FROGANE, AND ORGANIZATIONS PRIOR TO AND DURING CONSTRUCTION MAINTAIN EXISTING ACCESS AT ALL TIMES (SEC. 6A3.3.03)



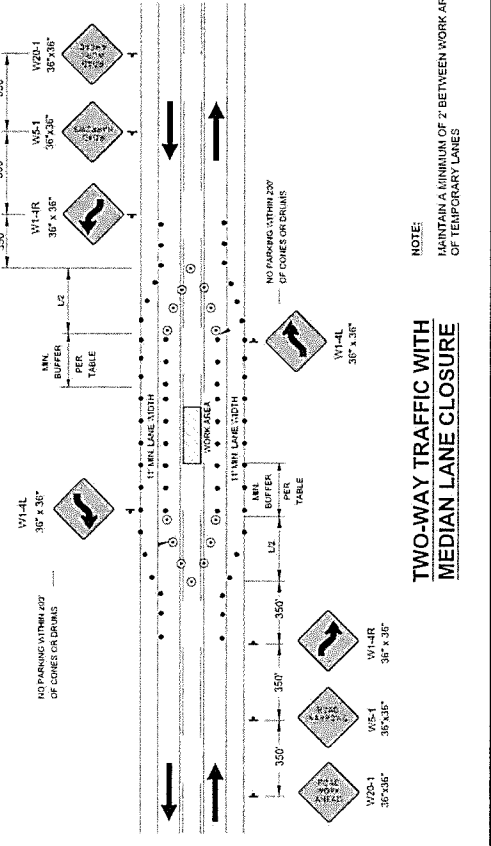
PERMANENT CONSTRUCTION SIGNING

- * INSTALL ADVISORY SPEED SIGNS FOR 30 MPH IN THE PROJECT AREA DURING
- ** ADVANCE WARNING SIGNS ARE SHOWN FOR SPACING BETWEEN DOUBLE FINES SIGNS PURPOSES ONLY AND ARE NOT A PART OF PERMANENT CONSTRUCTION SIGNING. THEIR NUMBER AND SPACING VARIES PER THE IMPLEMENTED TCP
- *** SIGNS SHALL BE INSTALLED AT MAJOR INTERSECTIONS WITHIN THE DOUBLE FINE ZONE TO WARN ENTERING DRIVERS OF DOUBLE FINES.

TCP NOT SEALED IN THIS PROJECT
 ALASKA HIGHWAY PRECONSTRUCTION MANUAL
 SECTION 1400.3.4
 DATED OCTOBER 31, 2023

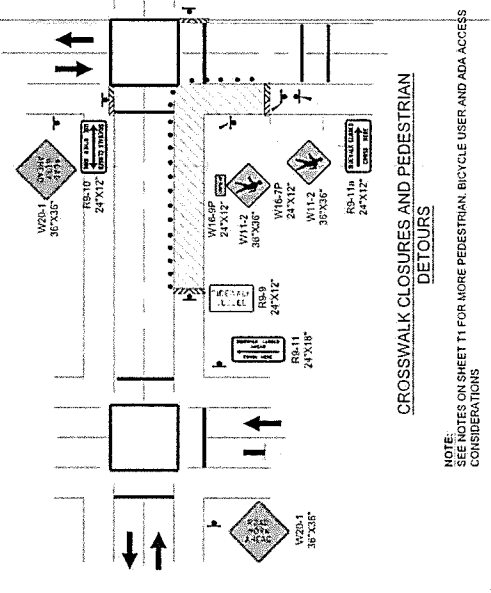
TRAFFIC CONTROL PLAN NOTES & DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SF-HWY00403/6966030	2024	12	T5



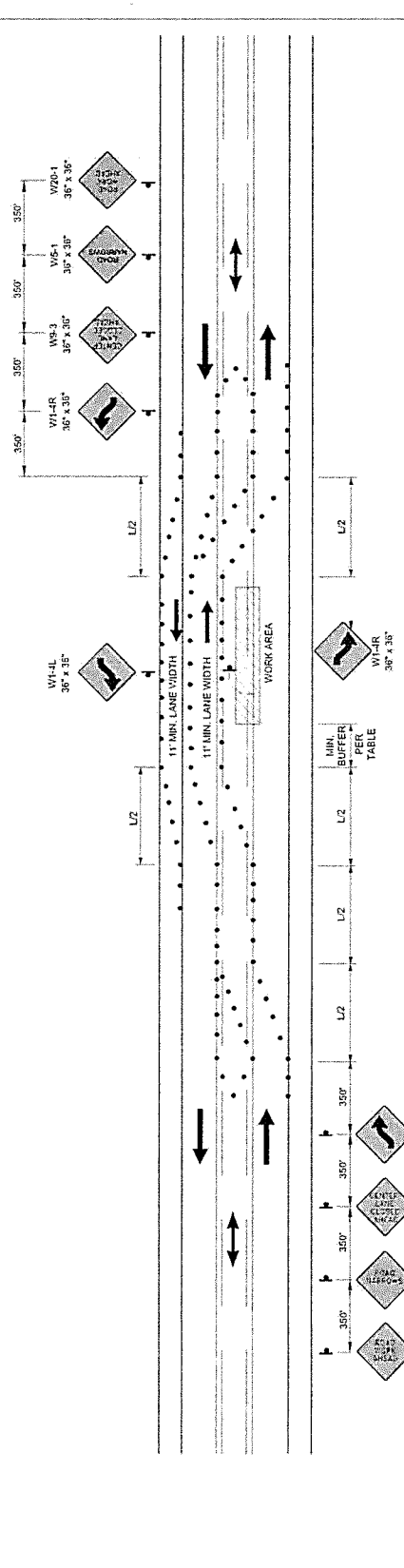
TWO-WAY TRAFFIC WITH MEDIAN LANE CLOSURE

NOTE: MAINTAIN A MINIMUM OF 2' BETWEEN WORK AREA AND EDGE OF TEMPORARY LANES



CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

NOTE: SEE NOTES ON SHEET T1 FOR MORE PEDESTRIAN BICYCLE USER AND ADA ACCESS CONSIDERATIONS



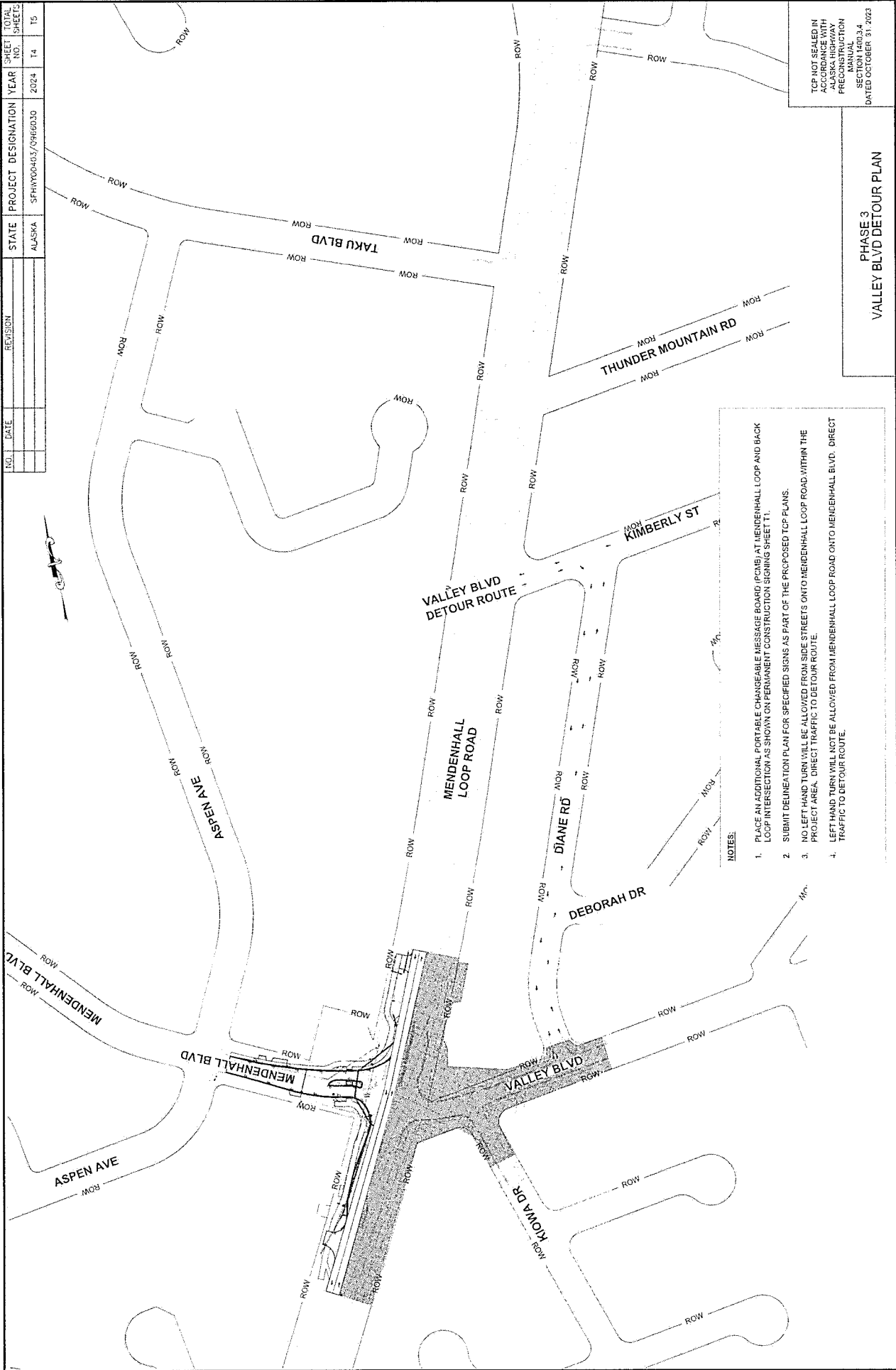
TWO-WAY TRAFFIC ON THREE-LANE ROAD

NOTE: MAINTAIN A MINIMUM OF 2' BETWEEN WORK AREA AND EDGE OF TEMPORARY LANES

TCF NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.4 DATED OCTOBER 31, 2023

TRAFFIC CONTROL PLAN
DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFRHY00443/0966030	2024	T4	T5

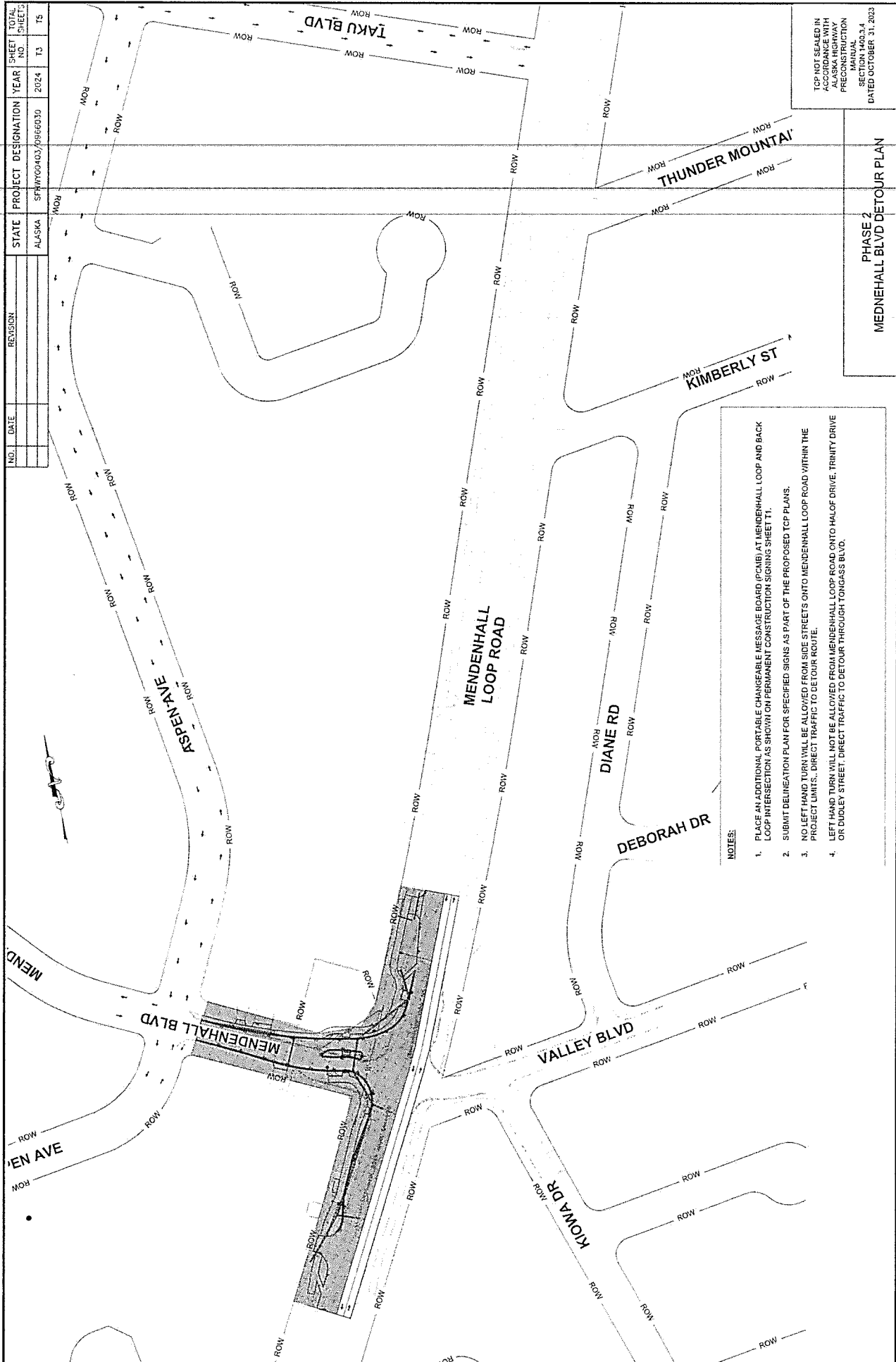


- NOTES:**
1. PLACE AN ADDITIONAL PORTABLE CHANGEABLE MESSAGE BOARD (PCMB) AT MENDENHALL LOOP AND BACK LOOP INTERSECTION AS SHOWN ON PERMANENT CONSTRUCTION SIGNING SHEET T1.
 2. SUBMIT DELINEATION PLAN FOR SPECIFIED SIGNS AS PART OF THE PROPOSED TCP PLANS.
 3. NO LEFT-HAND TURN WILL BE ALLOWED FROM SIDE STREETS ONTO MENDENHALL LOOP ROAD WITHIN THE PROJECT AREA. DIRECT TRAFFIC TO DETOUR ROUTE.
 4. LEFT-HAND TURN WILL NOT BE ALLOWED FROM MENDENHALL LOOP ROAD ONTO MENDENHALL BLVD. DIRECT TRAFFIC TO DETOUR ROUTE.

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1480.3.4 DATED OCTOBER 31, 2023

**PHASE 3
VALLEY BLVD DETOUR PLAN**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWAY00403/29866030	2024	T3	T5

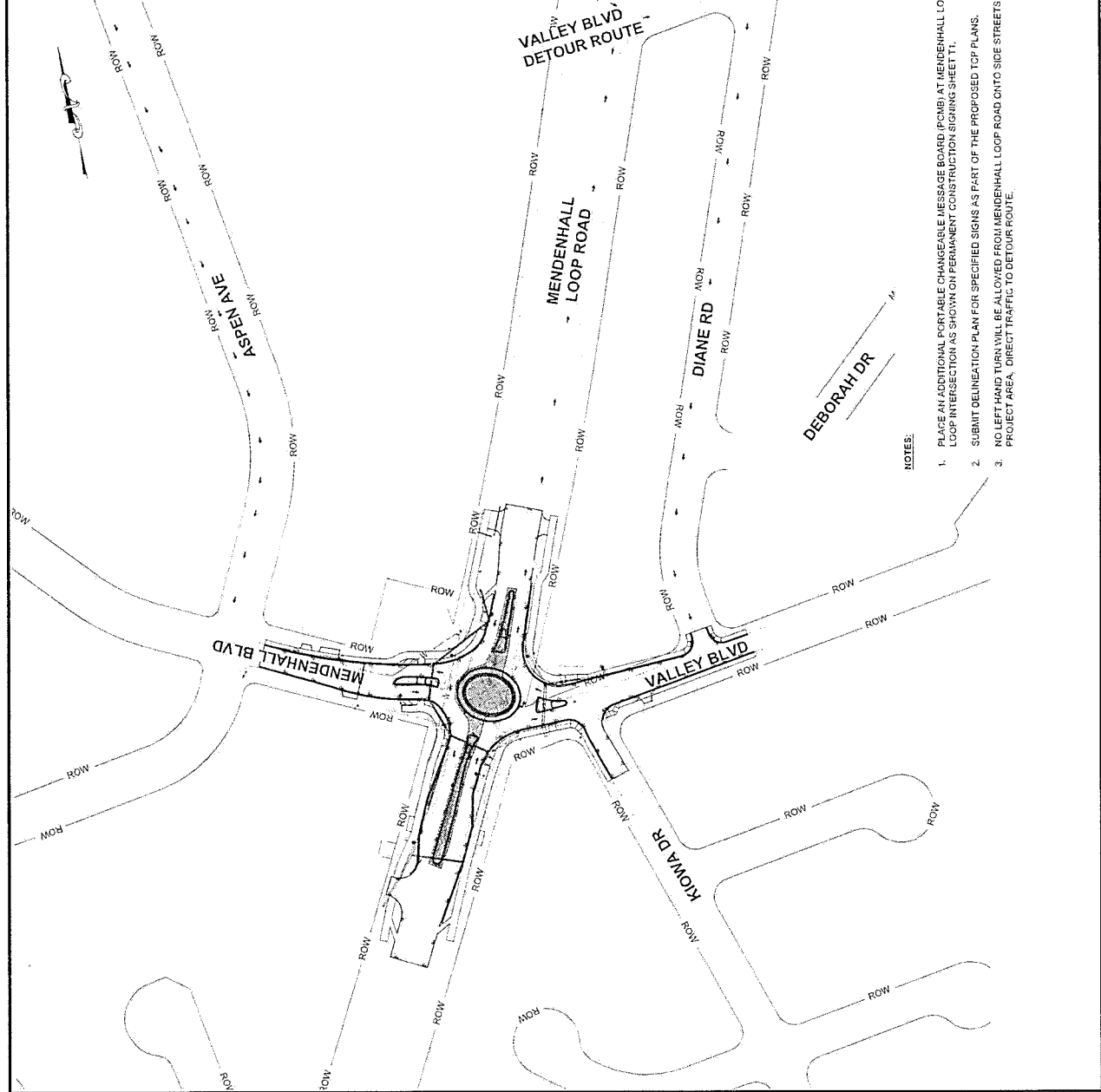


- NOTES:**
1. PLACE AN ADDITIONAL PORTABLE CHANGEABLE MESSAGE BOARD (PCMB) AT MENDENHALL LOOP AND BACK LOOP INTERSECTION AS SHOWN ON PERMANENT CONSTRUCTION SIGNING SHEET T1.
 2. SUBMIT DELINEATION PLAN FOR SPECIFIED SIGNS AS PART OF THE PROPOSED TCP PLANS.
 3. NO LEFT HAND TURN WILL BE ALLOWED FROM SIDE STREETS ONTO MENDENHALL LOOP ROAD WITHIN THE PROJECT LIMITS. DIRECT TRAFFIC TO DETOUR ROUTE.
 4. LEFT HAND TURN WILL NOT BE ALLOWED FROM MENDENHALL LOOP ROAD ONTO HALOF DRIVE, TRINITY DRIVE OR DUDLEY STREET. DIRECT TRAFFIC TO DETOUR THROUGH TONGASS BLVD.

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION SECTION 1603.3.4 DATED OCTOBER 31, 2023

**PHASE 2
MENDENHALL BLVD DETOUR PLAN**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH0700403/0966030	2024	T5	T5



NOTES:

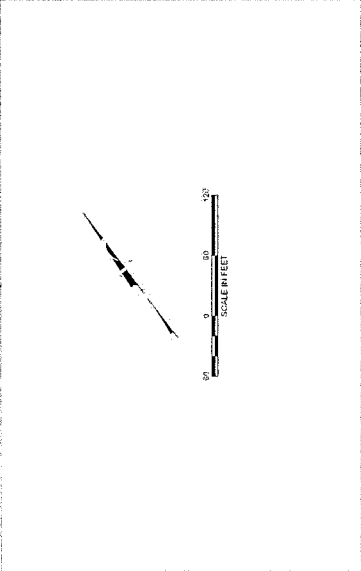
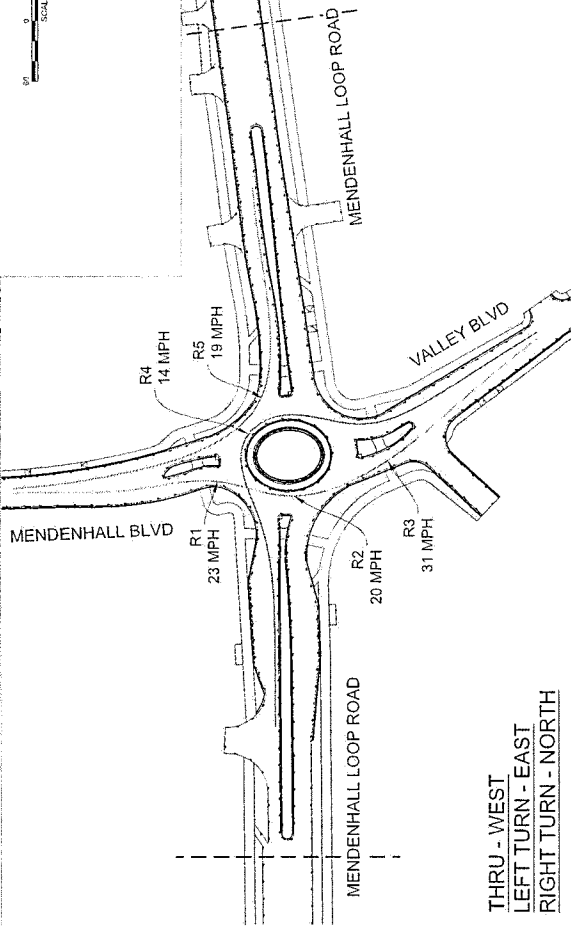
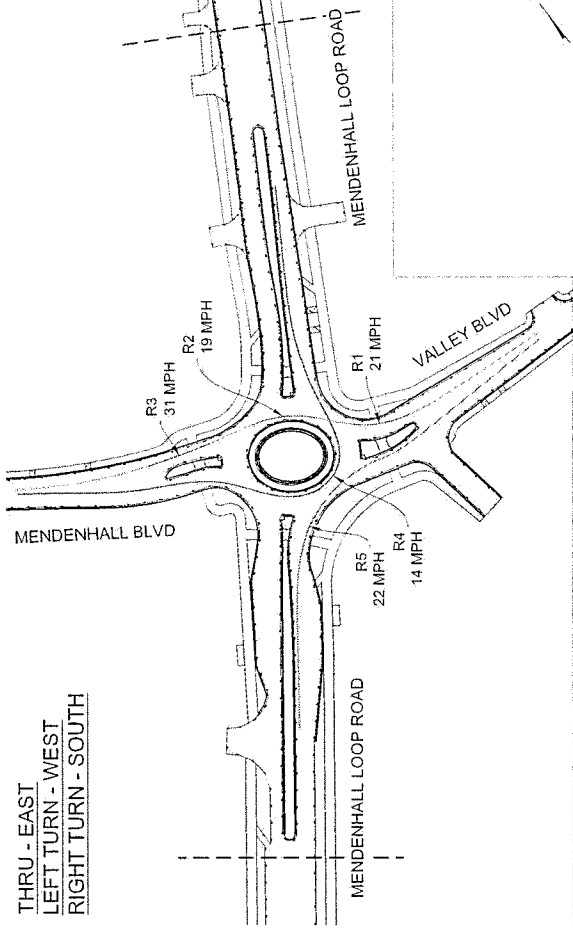
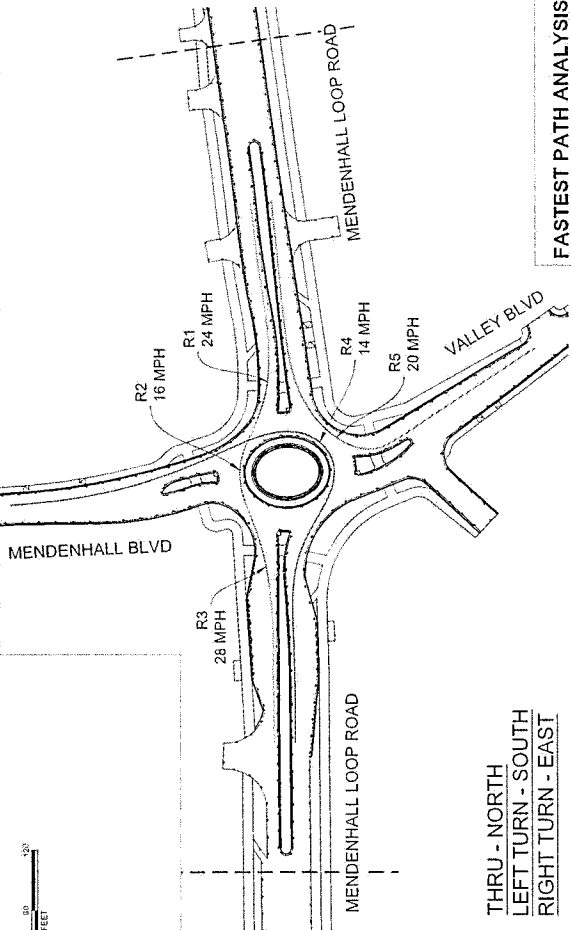
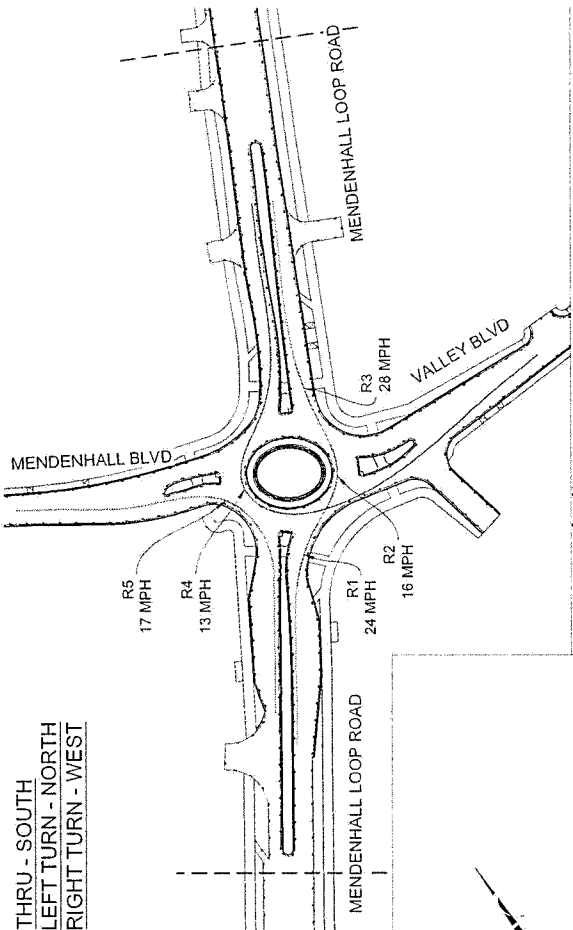
1. PLACE AN ADDITIONAL PORTABLE CHANGEABLE MESSAGE BOARD (PCMB) AT MENDENHALL LOOP AND BACK LOOP INTERSECTION AS SHOWN ON PERMANENT CONSTRUCTION SIGNING SHEET T1.
2. SUBMIT DELINEATION PLAN FOR SPECIFIED SIGNS AS PART OF THE PROPOSED TCP PLANS.
3. NO LEFT HAND TURN WILL BE ALLOWED FROM MENDENHALL LOOP ROAD ONTO SIDE STREETS WITHIN THE PROJECT AREA. DIRECT TRAFFIC TO DETOUR ROUTE.

**PHASE 3
VALLEY BLVD DETOUR PLAN**

TCP NOT SEALED IN ACCORDANCE WITH ALASKA PRECONSTRUCTION MANUAL SECTION 1400.3.4 DATED OCTOBER 31, 2023

Appendix B
Fastest Path Analysis

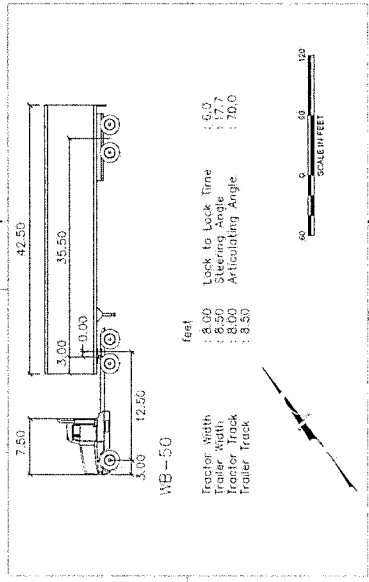
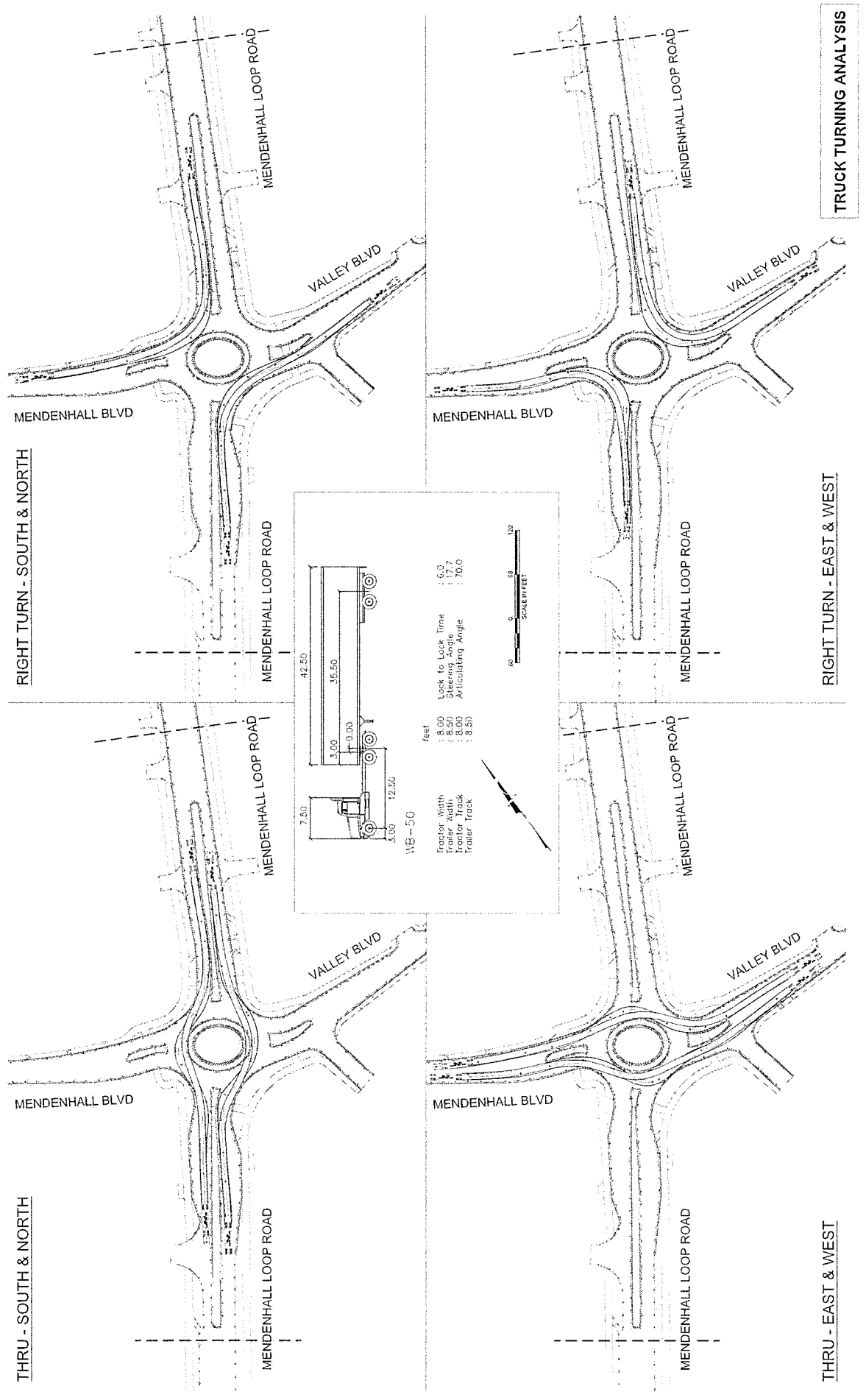
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWY0043/0966030	2024	SPD1	SPD1



FASTEST PATH ANALYSIS

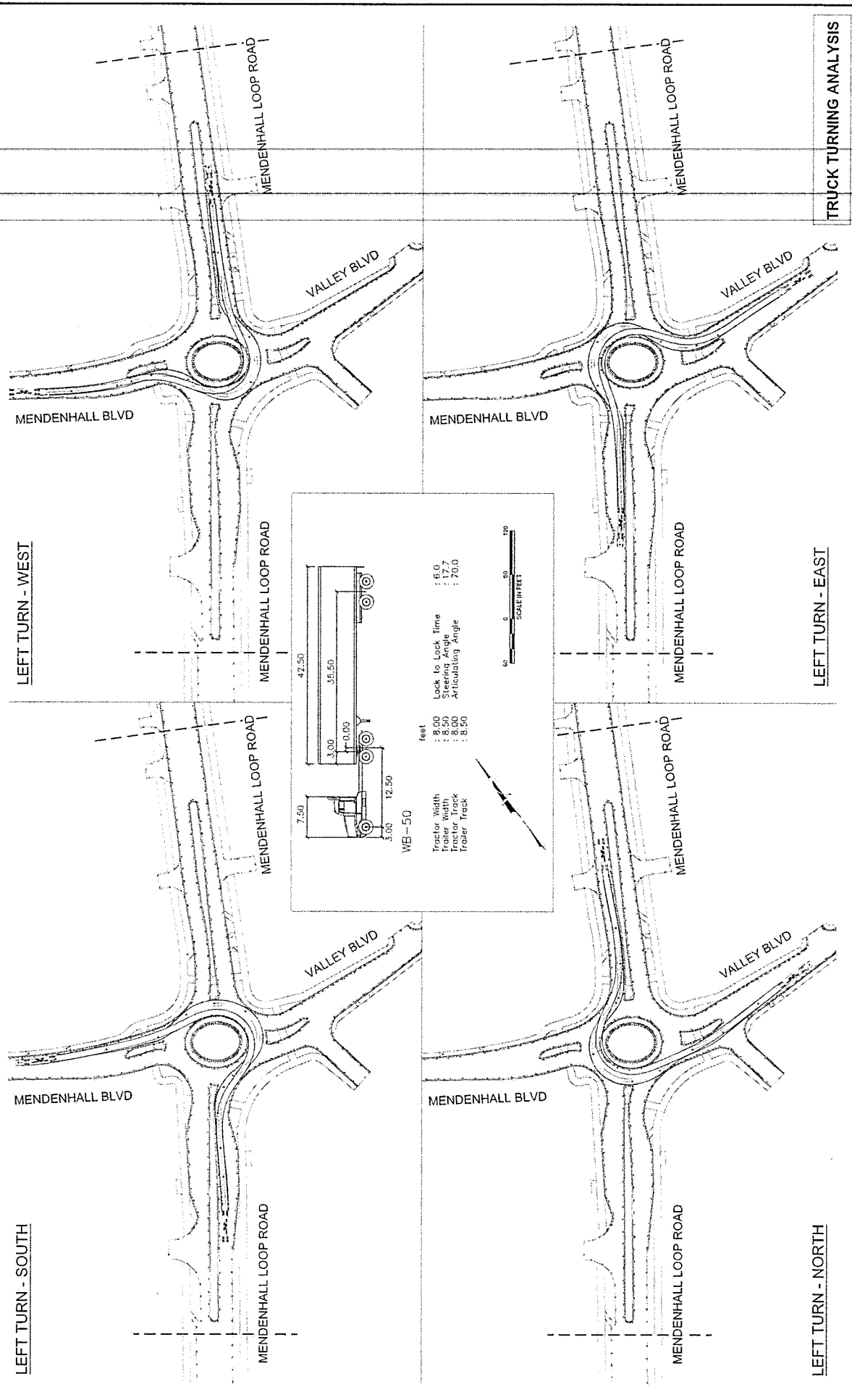
Appendix C
Truck Turning Analysis

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWHY0043/096603D	2024	TRCK	TRCK6



FILE C:\work\10430882\0224\CT-TRCK-0353.dwg	DATE 9/14/2023	LAYOUT TRCK1	DESIGNED FERRELL	CHECKED STEPHENS	REMOVED LAFAYETTE
PROJECT 5085 SOUTHERN HIGHWAY, AKENSI, AK 99501	PROJECT (202) 760-2513	CERTIFICATE OF AUTH # --			

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH70043/0966030	2024	TRCK2	TRCK6



TRUCK TURNING ANALYSIS

FILED	DATE	DESIGNED	REVISIONS	LAYOUT	DATE	ADDRESS
11/14/2023	9/20/2023	TRCK2	0	TRCK2	9/20/2023	9086 GLACIER HIGHWAY, JUNEAU, AK 99801
PROJECT NO.	DATE	SCALE	BY	DATE	PROJECT NO.	PROJECT NO.
0966030	11/14/2023	1"=40'	TRCK2	9/20/2023	0966030	0966030

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWT0043/0966030	2024	TRCK3	TRCK6

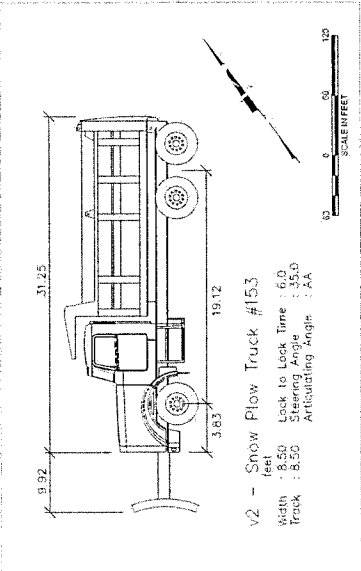
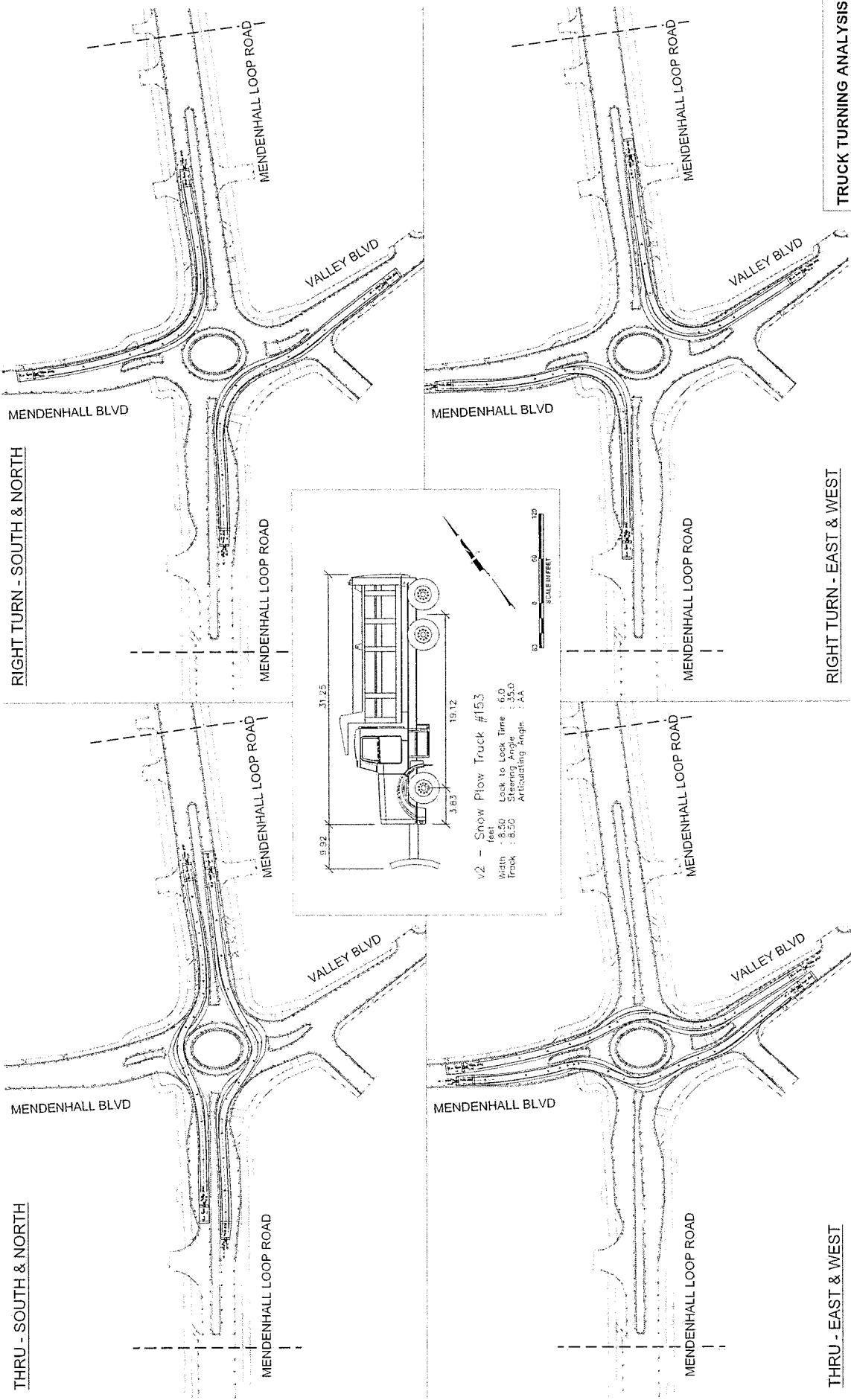
RIGHT TURN - SOUTH & NORTH

THRU - SOUTH & NORTH

THRU - EAST & WEST

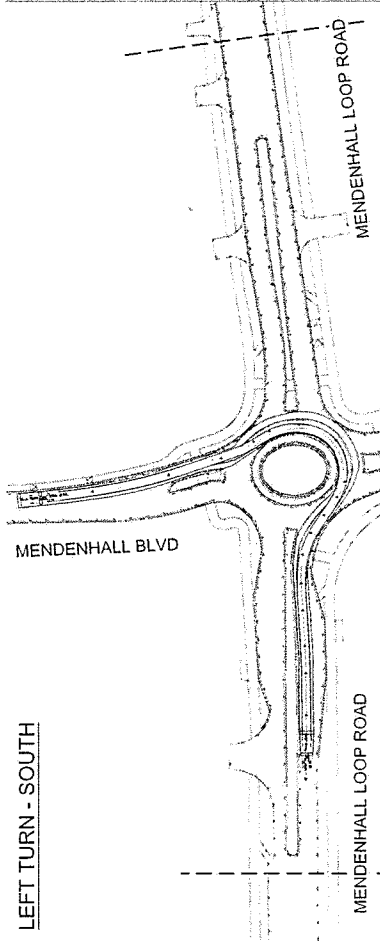
RIGHT TURN - EAST & WEST

THRU - EAST & WEST

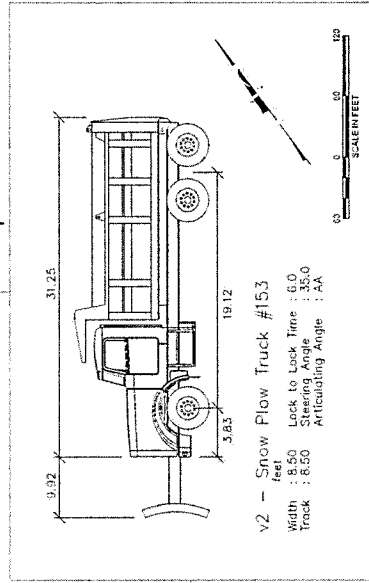


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWY0043/0966030	2024	TRCK4	TRCK6

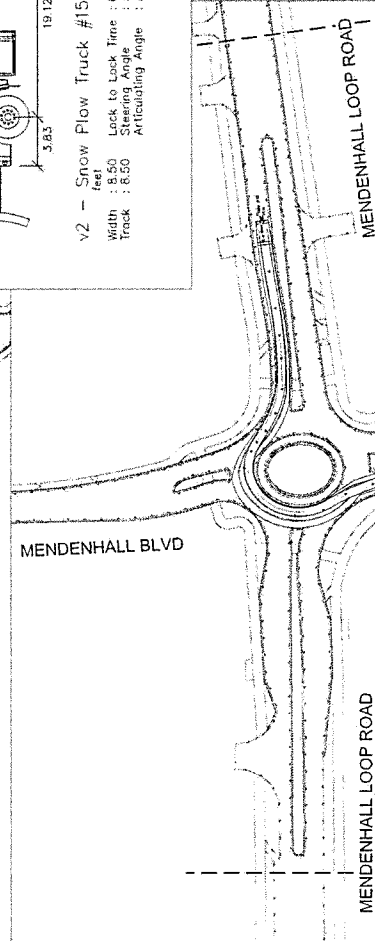
LEFT TURN - WEST



LEFT TURN - SOUTH



LEFT TURN - EAST

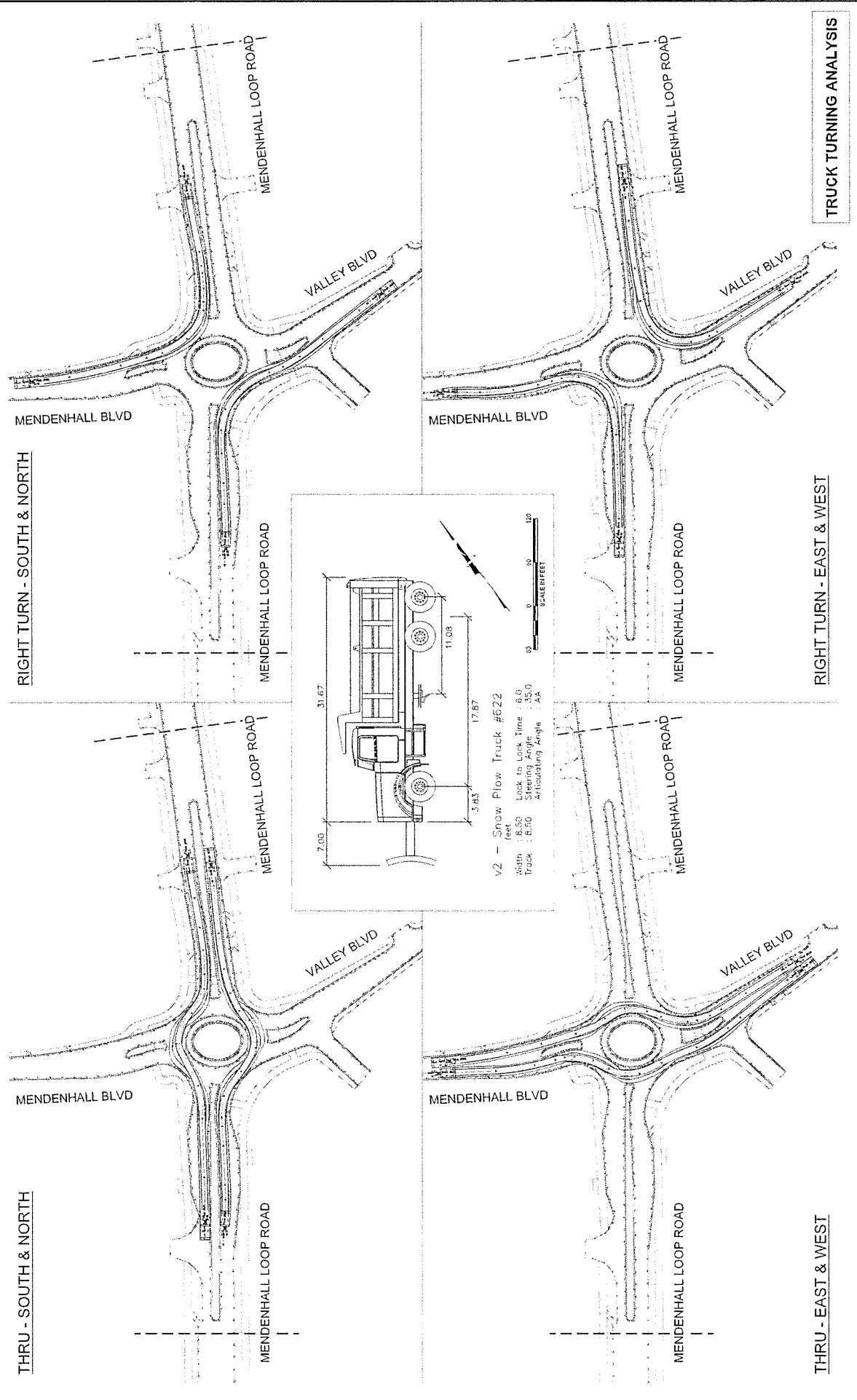


LEFT TURN - NORTH

TRUCK TURNING ANALYSIS

NO.	DATE	REVISION

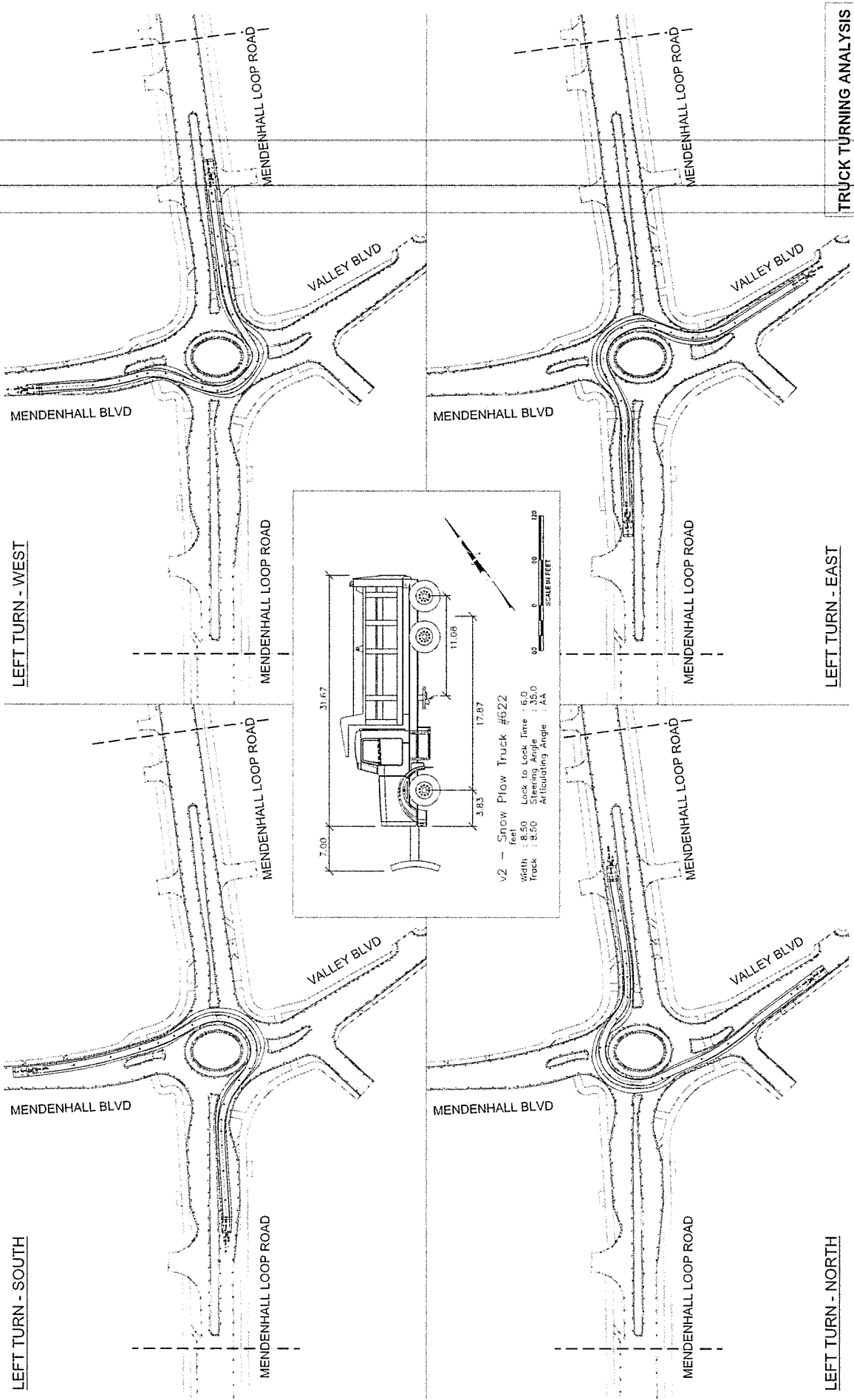
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SFHWT0043/0966030	2024	TRCK6	TRCK6



TRUCK TURNING ANALYSIS

FILE C:\WORK\B\PROJECTS\2024\09\22-01-TRCK-03503.dwg	DATE: 9/20/2023	LAYOUT: TRCK6	DESIGNED: FRANKIEZ	CHECKED: STEPHENS	DATE: 9/20/2023
PROJECT: 9085 GLENNER HIGHWAY, JUNEAU, AK 99901	PROJECT NO.: 19073-790-0033	CERTIFICATE OF AUTHORITY: --			

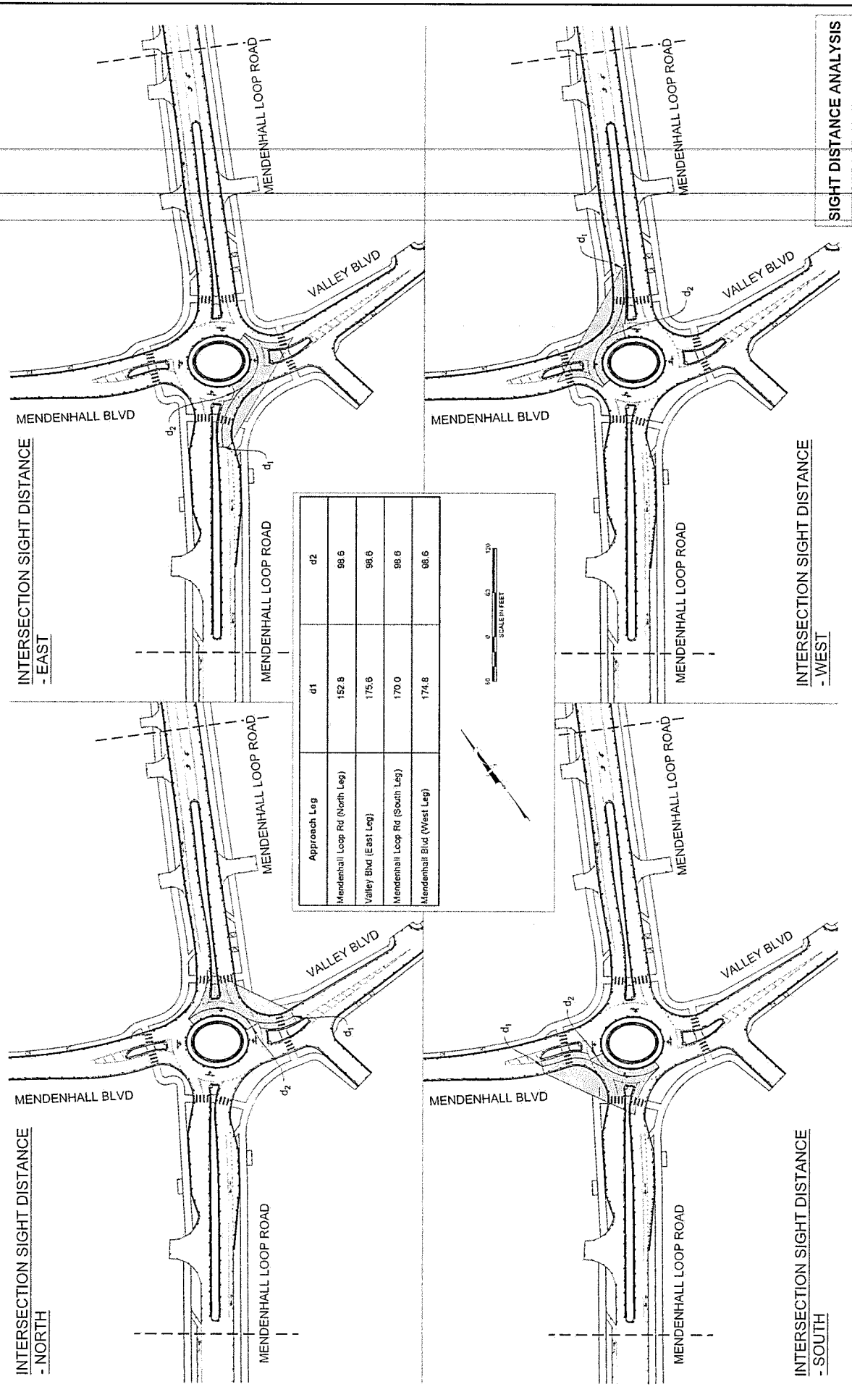
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHVY0043/0966030	2024	TRCK6	TRCK6



TRUCK TURNING ANALYSIS

Appendix D
Sight Distance Analysis

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFH WY0043/0966030	2024	SSD1	SSD3

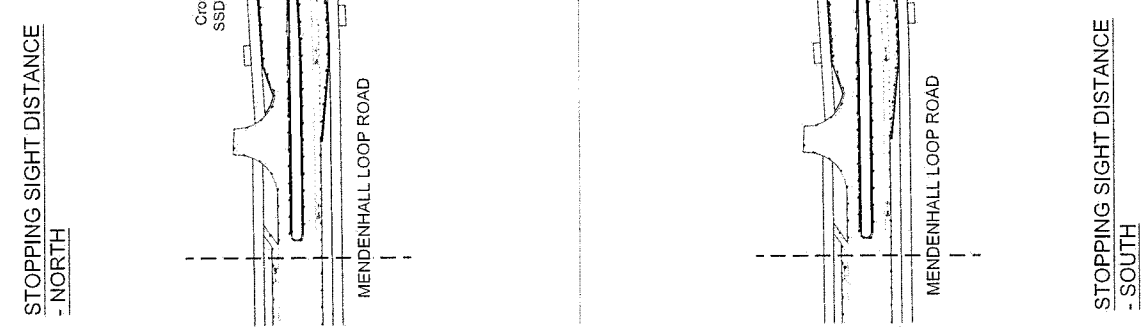
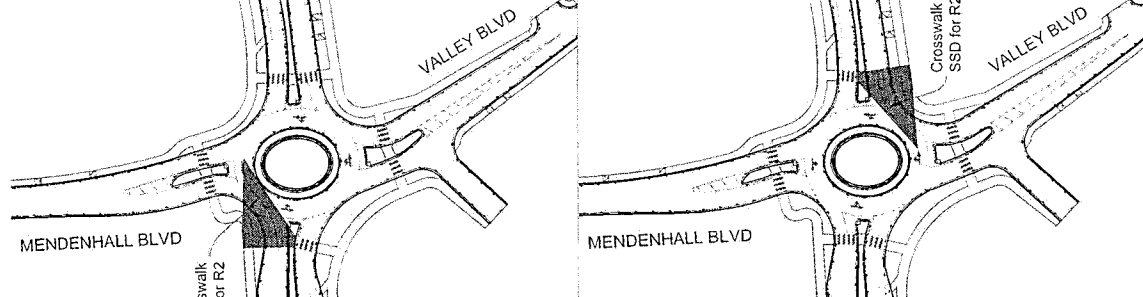
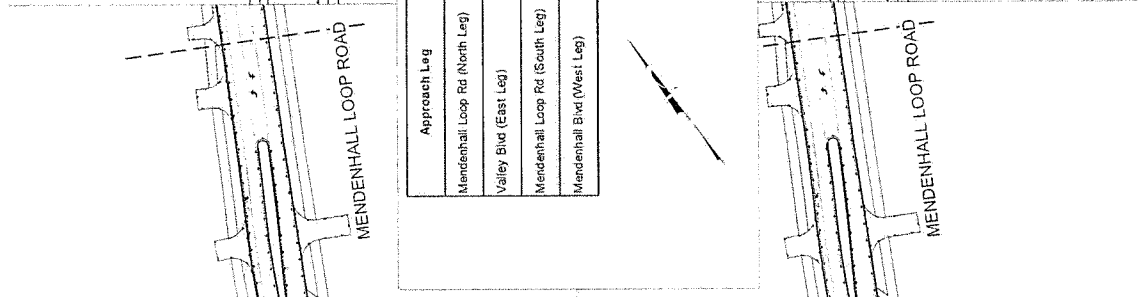
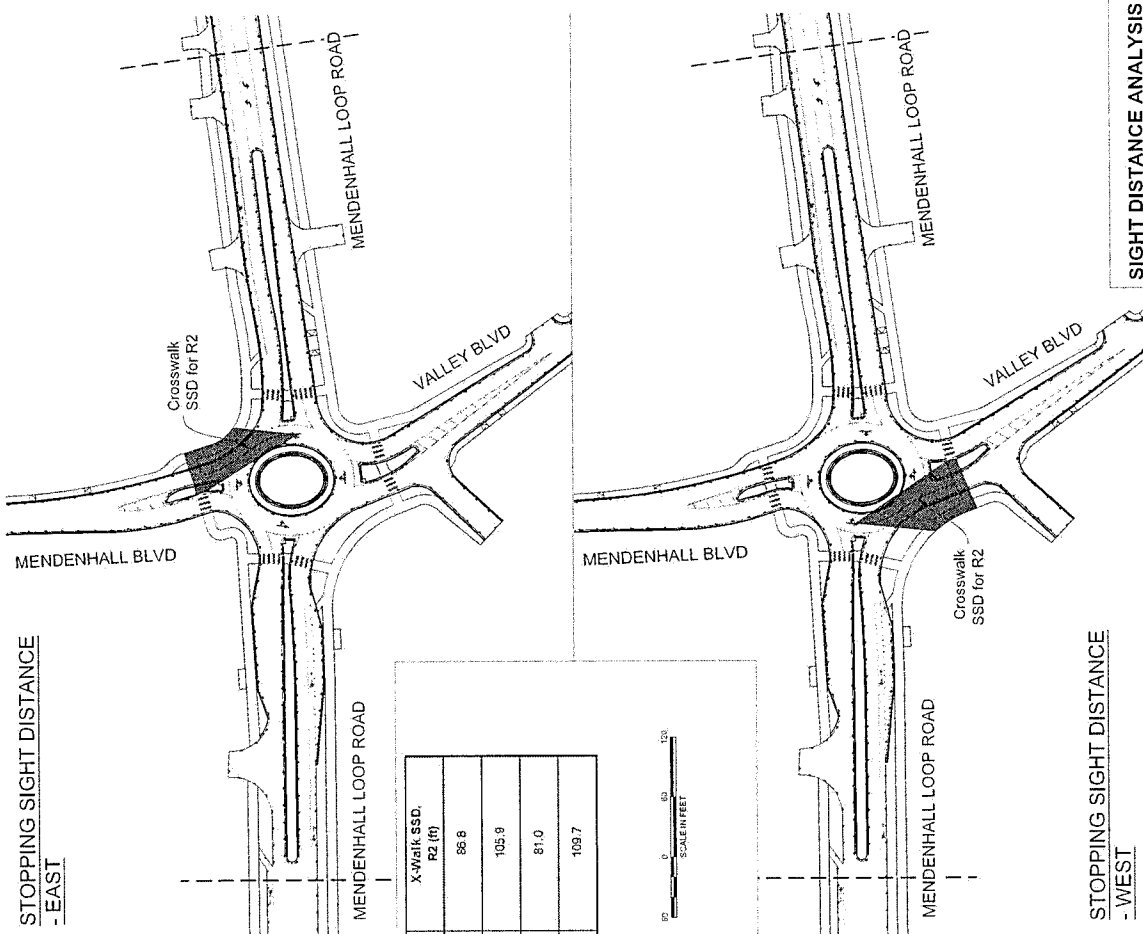


Approach Leg	d1	d2
Mendenhall Loop Rd (North Leg)	152.8	88.6
Valley Blvd (East Leg)	175.6	99.6
Mendenhall Loop Rd (South Leg)	170.0	88.6
Mendenhall Blvd (West Leg)	174.8	88.6



SIGHT DISTANCE ANALYSIS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFHWD043/0966030	2024	SSD2	SSD3



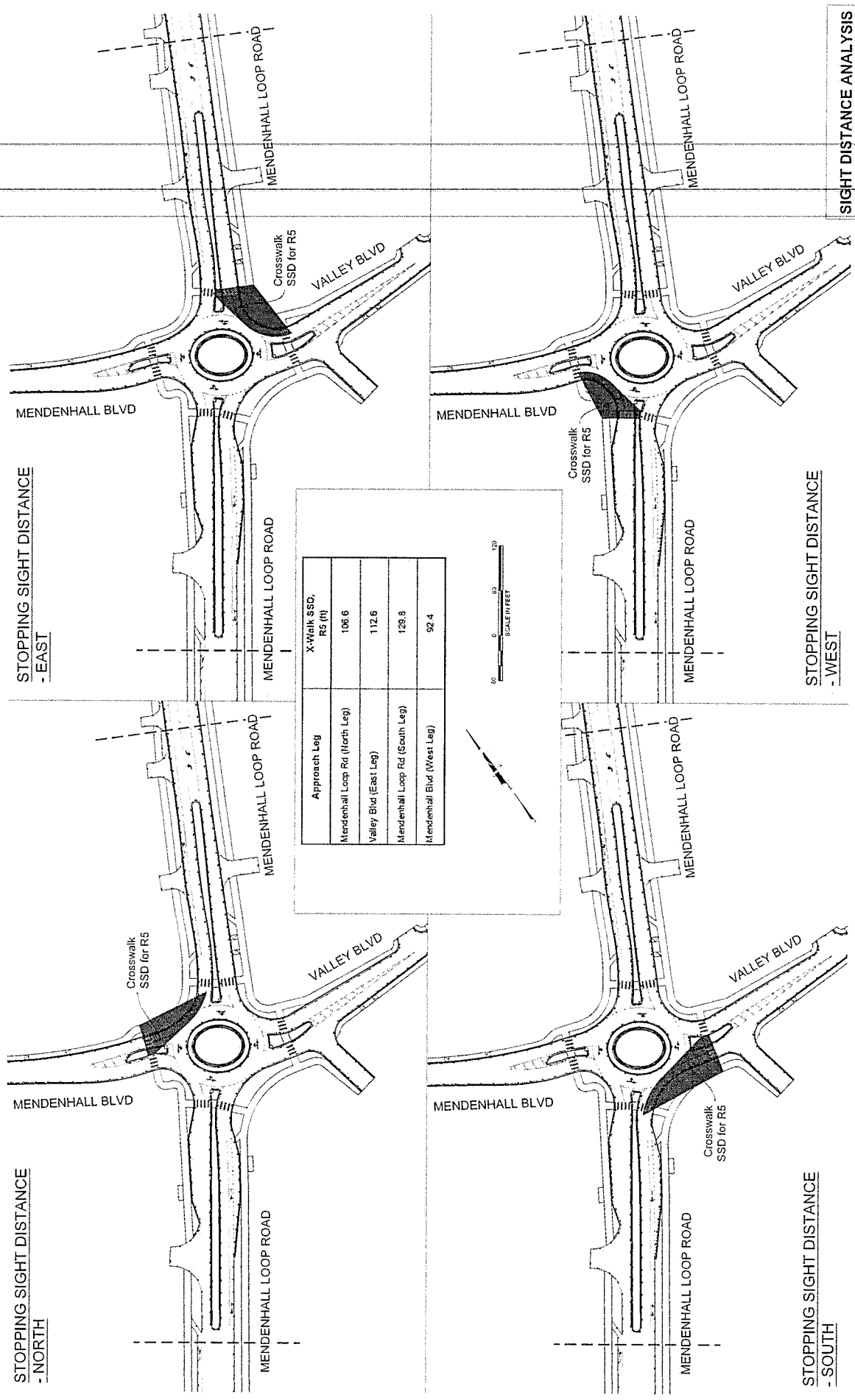
Approach Leg	X-walk SSD, R2 (ft)
Mendenhall Loop Rd (North Leg)	88.6
Valley Blvd (East Leg)	105.9
Mendenhall Loop Rd (South Leg)	81.0
Mendenhall Blvd (West Leg)	109.7



SIGHT DISTANCE ANALYSIS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SFWY0043/0966030	2024	SS03	SS03

FILED	DATE	TIME	BY	PROJECT	SCALE



Approach Leg	X-Walk SSD, R5 (ft)
Mendenhall Loop Rd (North Leg)	106.6
Valley Blvd (East Leg)	112.6
Mendenhall Loop Rd (South Leg)	129.8
Mendenhall Blvd (West Leg)	92.4



SIGHT DISTANCE ANALYSIS

