

MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

Project Name: Depot Dr. AK Railroad Relo of OH MOA Permit Number _____

Single Family/Duplex or Commercial Area of Disturbance (sq. ft) 5,000 Excavation Depth (ft): 4-5

Subdivision: DOWNTOWN EDGE Lot: _____ Block: _____ Tract: 1 Parcel: 00102111000

Street Address: 761 W 2ND AVE

Contact Name: Annie Collie, Midnight Sun Environmental, LLC Phone Number: 907-344-3244

The Minimum Requirements that may apply to any proposed new development or redevelopment are identified here and, if applicable, satisfied through the submission of this completed form.

Applicability: A Type 1 SWPPP must be submitted if your project is within the MOA and if it:

- Disturbs less than 10,000 square feet of land AND
- Is not part of a larger common plan of development. "Common Plan of Development" is a contiguous construction project where multiple separate and distinct construction activities may be taking place at different times on different schedules but under one plan. Included in this definition are most subdivisions and industrial parks

In particular, the operators of these projects must:

- Complete and submit this form to the MOA.
 - ✓ Fill in appropriate boxes on pages 2-4
 - ✓ Complete the site plan sketch on page 5.
 - ✓ Complete the Owner's statement on page 6.
- Complete and submit a Stormwater Runoff Threat Assessment Form (Appendix A).
- Conduct work in a "good housekeeping" manner.
- Implement appropriate BMPs for control of stormwater runoff during construction, including:
 - ✓ Isolate construction materials from rainfall and snowfall events
 - ✓ Prevent the transport of sediment beyond site boundaries
 - ✓ Stabilize soil on non-building site areas
- Perform inspections and properly maintain erosion and sediment controls
- Achieve final site stabilization

MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

Check appropriate blanks below and complete the site diagram with necessary information.

Site Characteristics

Complete	Not Applicable	
X	_____	North arrow and site boundary. Indicate and name adjacent streets or roadways.
X	_____	Location of existing drainage ways, streams, rivers, lakes, wetlands, or wells near the site.
X	_____	Location of existing and planned storm sewer inlets and culvert crossings within 100 feet of the site.
X	_____	Location of existing and proposed buildings and paved areas.
X	_____	Areas of land disturbance, which includes areas of soil disturbance for any purpose, including footings, foundations, parking, driveways, staging, temporary access, on-site wastewater systems, and on- and off-site utilities
X	_____	Limits and approximate dimensions of the proposed disturbed area on the site.
X	_____	Approximate gradient and direction of slopes before grading operations
X	_____	Approximate gradient and direction of planned slopes after grading operations.
X	_____	Overland runoff (sheet flow) coming onto the site from adjacent areas.

Erosion Control Practices

Complete	Not Applicable	
_____	X	Location of temporary soil storage piles. Note: Soil storage piles should be placed behind a silt fence, 25-foot (minimum) wide vegetative strip, or be covered with a tarp and located more than 25 feet from any down slope road or drainage way.
_____	X	Location of temporary gravel access drive(s). Note: Gravel drives shall have 2 to 3 inch aggregate stone laid at least 10 feet wide and 6 inches thick. Drives shall extend from the roadway 50 feet or to the building (whichever is less).
_____	X	Location of sediment controls (filter fabric fence, rock sediment trap, 25-foot wide vegetative buffer strip or other planned practices) that prevent eroded soil from leaving the site. Note: Sediment controls should be installed along the downslope sides of the disturbed areas. Sediment Controls will be installed around soil storage piles,

MUNICIPALITY OF ANCHORAGE

Type 1 Storm Water Pollution Prevention Plan

around inlets, at outlets of drainageways, and along adjacent drainageways which receive runoff from the site.

X		Location of sediment barriers around storm sewer inlets.
	X	Location of diversions. Note: Concentrated flow (drainageways, ditches, channels) shall be diverted (redirected) around disturbed areas. Overland runoff (sheet flow) from adjacent areas greater than 10,000 sq. ft. shall also be diverted around disturbed areas in a manner that will not adversely impact adjacent landowners. 2) Diversions will be stabilized with seeding and mulching within 24 hours of diversion completion.
	X	Location of practices that will control erosion in areas of concentrated flow.
	X	Location of practices that will be applied to control erosion on steep slopes (greater than 12% grade) Note: Drainage ways will be stabilized with seeding, mulching, erosion control mats, in-channel fabric, or rock riprap. When used, a given in-channel barrier should not receive drainage from more than two acres of unpaved area, or one acre of paved area. In-channel practices should not be installed in perennial stream. Stabilization and other appropriate measures should be completed within 24 hours of drainageway completion. Sediment controls will be installed at the outlet ends of drainageways.

Management Strategies

	Not Applicable	
Completed	X	Temporary stabilization of disturbed areas. Note: Disturbed areas and soil piles left inactive for more than 14 days must be stabilized by seeding (between May 1 and September 1) or by other cover, such as a tarp or heavy mulching.
	X	Permanent stabilization of site by re-vegetation, lawn establishment, or other means as soon as possible. Indicate re-vegetation method: Seed ___ Sod ___ Other X <div style="margin-left: 100px;">_____</div> Expected date of permanent re-vegetation <u>Asphalt</u> Revegetation the responsibility of: Bullder ___ Owner/Buyer _____

MUNICIPALITY OF ANCHORAGE

Type 1 Storm Water Pollution Prevention Plan

Planned temporary stabilization if site is not seeded by September 1 or sodded by September 15?

- | | | |
|-------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <hr/> | X | Use of downspout to direct runoff away from structures and onto sod or pavement until vegetation is stable. After grass is well established, downspouts shall be permanently directed to grass areas. |
| <hr/> | X | Trapping sediment during site dewatering operations.
Location: <hr/> |
| | | Note: Sediment laden discharge should be temporarily ponded behind a sediment barrier until most of the sediment settles out. If dewatering is anticipated, a dewatering plan must be submitted with this checklist. |
| <hr/> | X | Proper disposal of building material waste so that pollutants and debris do not are not carried off-site by wind or water. |

Inspection Requirements

Site operator must inspect disturbed areas, areas used for storage of materials that are exposed to precipitation, physical controls, and vehicle exits at a minimum every 14 days from March until freeze-up. Inspections must also be conducted throughout the year within 24 hours after events that produce runoff or during runoff events that last more than 24 hours.

Maintenance Requirements

If inspections reveal erosion and sediment control practices that are not effective, or appear likely to be ineffective for anticipated conditions (due to anticipated site activities and weather), the practices must be adjusted (including repair, modification, replacement, sediment removal, or additional practices) as soon as practicable, but no later than 7 calendar days following the inspection.

Final Stabilization Requirements

At the completion of land disturbing activities, all disturbed and exposed soil shall be stabilized. Areas that are uphill of installed ESC practices shall be stabilized prior to removal of those controls.

MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

Instructions: Complete this diagram. Give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped. Use additional sheets of paper if needed. Site plan should show stabilized construction exits, silt fencing, sediment trap (if necessary), areas to be stabilized, and method of stabilization.

See Attachment	Erosion Control Plan Legend	
		Property Line
		Area of Land Disturbance*
		Temporary Diversion
		Existing Drainage
		Finished Drainage
		Limits of Grading
		Silt Fence
		Gravel Exit
		Vegetation Specification
		Tree Preservation
		Stockpiled Soil
Include North Arrow		

* Land disturbance includes areas of soil disturbance for any purpose, including foundations, footings, parking, driveways, staging, temporary access, on-site wastewater systems, and on- and off-site utilities.

Project Location:

(Address) (Street) (Lot) 761 W 2ND AVE

Builder: Contractor **Owner:** Chugach Electric Association, Inc.

Worksheet completed by: Annie Collie, Midnight Sun Environmental, LLC

Installation and maintenance of erosion control practices responsibility of:

Name: Contractor, TBD **Phone:** _____

Permanent seeding/sodding responsibility of:

Name: N/A **Phone:** N/A

MUNICIPALITY OF ANCHORAGE
Type 1 Storm Water Pollution Prevention Plan

OWNER'S STATEMENT

I have read the above checklist, completed this form, completed and attached the *Stormwater Runoff Threat Assessment Form*, and have enclosed the necessary design information concerning the above referenced proposed project demonstrating it is a Type 1 SWPPP Project. By my signature I certify the enclosed information, that I will install or perform necessary BMPs and maintain them throughout the project, and that the project is (check one):

privately owned and that I am the owner. privately owned and that I am the developer.

I further certify that the project is or is not part of a larger common plan of development. If the project is part of a common plan of development that collectively disturbs 1 or more acres, submit a copy of the NOI.

Signature (please sign in ink): Marty Freeman Date: 2023-03-22

Name and Official Title (print or type):

Marty Freeman

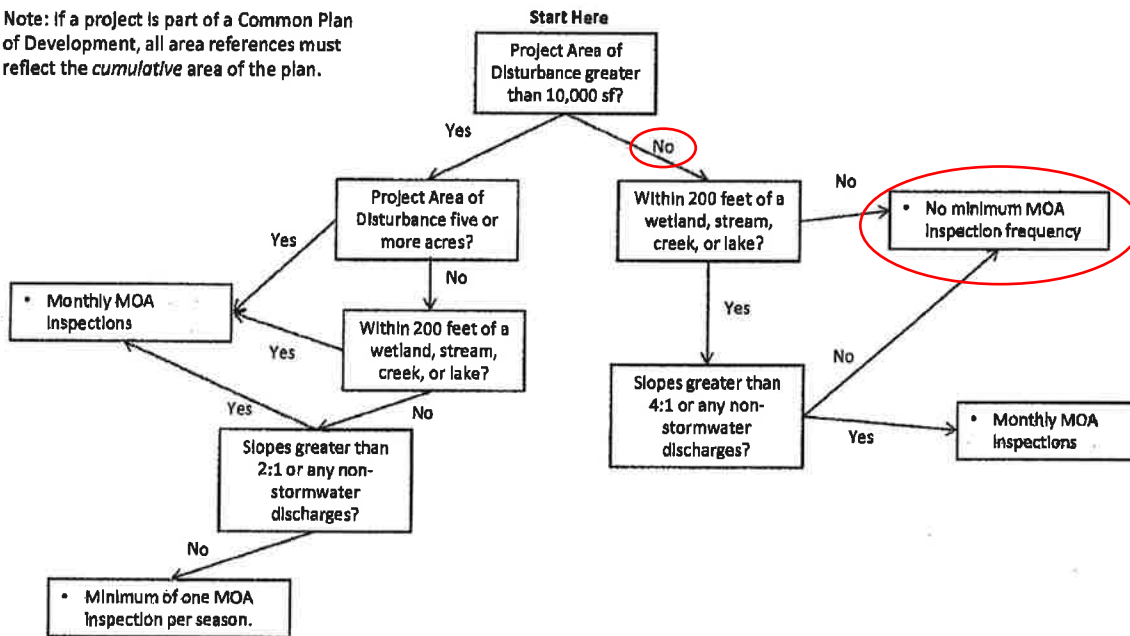
Company or Agency (if applicable):

Chugach Electric Association, LLC

Stormwater Threat Assessment Form

Please circle your responses.

Note: If a project is part of a Common Plan of Development, all area references must reflect the *cumulative* area of the plan.



I certify that the above information is true and correct to the best of my knowledge.

Marty Freeman
Signature

Marty Freeman, Sr. Manager EHS

Printed Name and Title

STORM WATER REVIEW REQUEST

Work Order No.	Project Title	Project Status	Manager	Designer
E2114030	Depot Dr AK Railroad Relo-SOA	Active	Brad Jackson	Moritz Salvanera

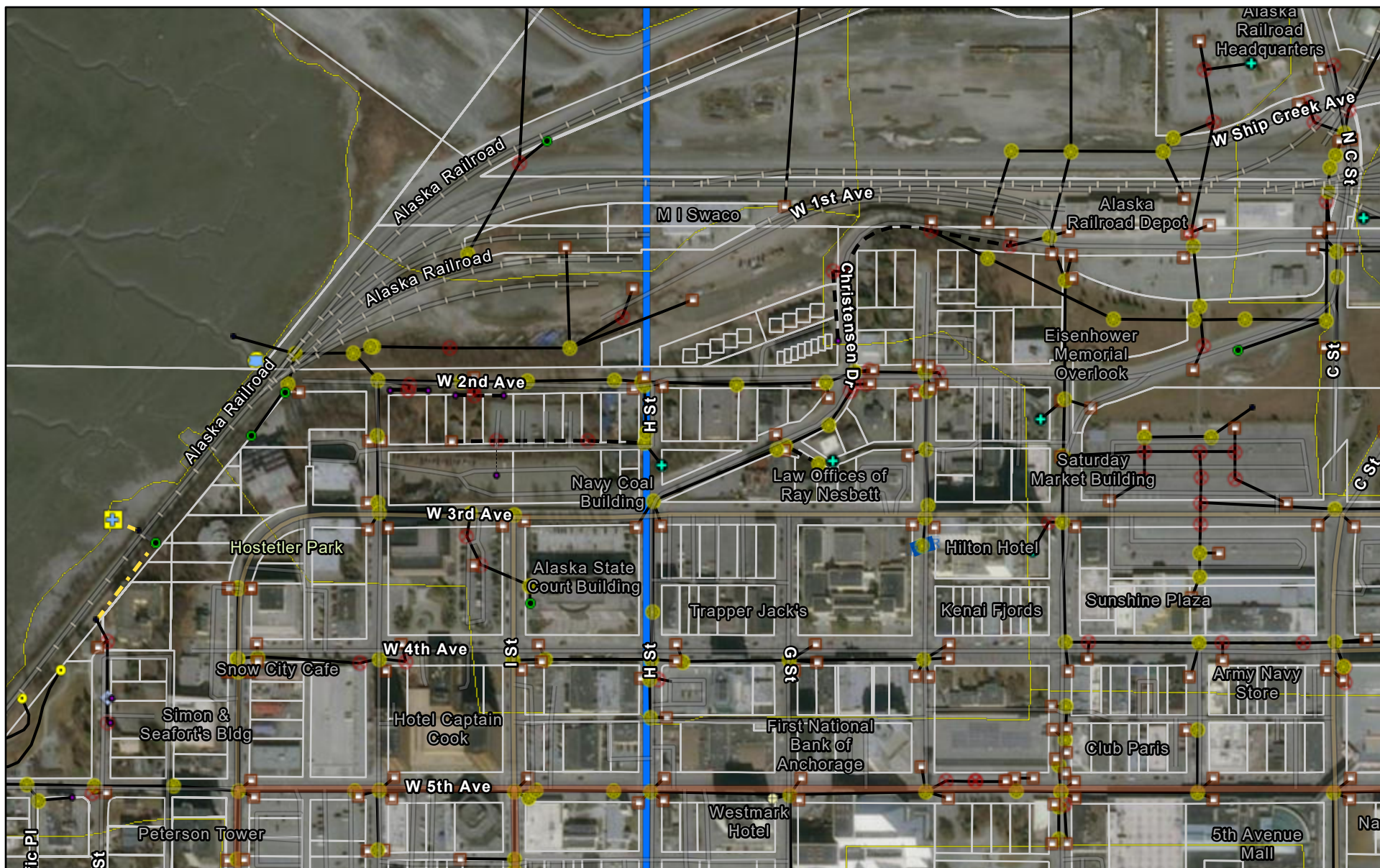
Grid Number(s)	1229B, 1230A	Legal Description	N/A
<input type="checkbox"/> Wet Areas on Project	<input checked="" type="checkbox"/> Work in Wet Areas	<input checked="" type="checkbox"/> Trench Dewatering	<input type="checkbox"/> MOA Wetlands Maps
			<input checked="" type="checkbox"/> Direction Drilling
Nearest Water Body	Clearing Length/Width		
Nearest Well	Trench L/W/Depth	48" min depth / 60" min. below railroad tracks	
Equipment	Added	Removed	
Poles	various		
Pad Xfmrs	various		
Switch Cabs.	SC 1186,1187		
Vaults	various		
Proposed Construction Methods			
Comments			
Please perform SWPPP review.			

Site Drawing

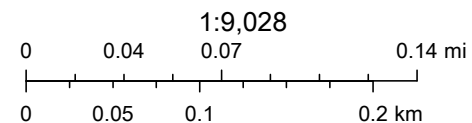
A separate storm water site drawing will be developed for each project. To ensure accuracy, include the following information:

- Proposed location(s) of clearing
- Proposed location(s) of trenching
- Proposed location(s) of new equipment
- Location(s) of retired equipment
- Proposed location(s) of direction drilling with pit locations
- Location(s) of drainage features, storm water inlets, and wetlands
- Proposed location(s) of stockpiles or spoil piles
- Proposed location(s) of asphalt / concrete cuts

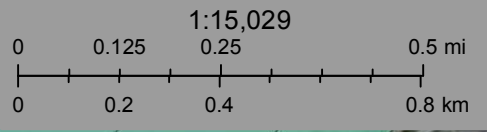
E2114030 Project Location



March 11, 2023



Maxar, Microsoft, MOA Watershed Management, Kenai Peninsula Borough, Matanuska-Susitna Borough GIS, Municipality of Anchorage, State of Alaska,



March 13, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

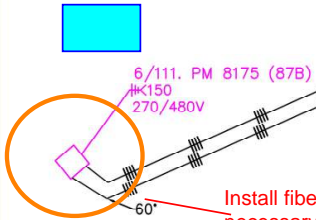
BMP Legend

- Flow Direction
- Fiber Roll
- Vegetative Buffer
- Storm drain inlet protection

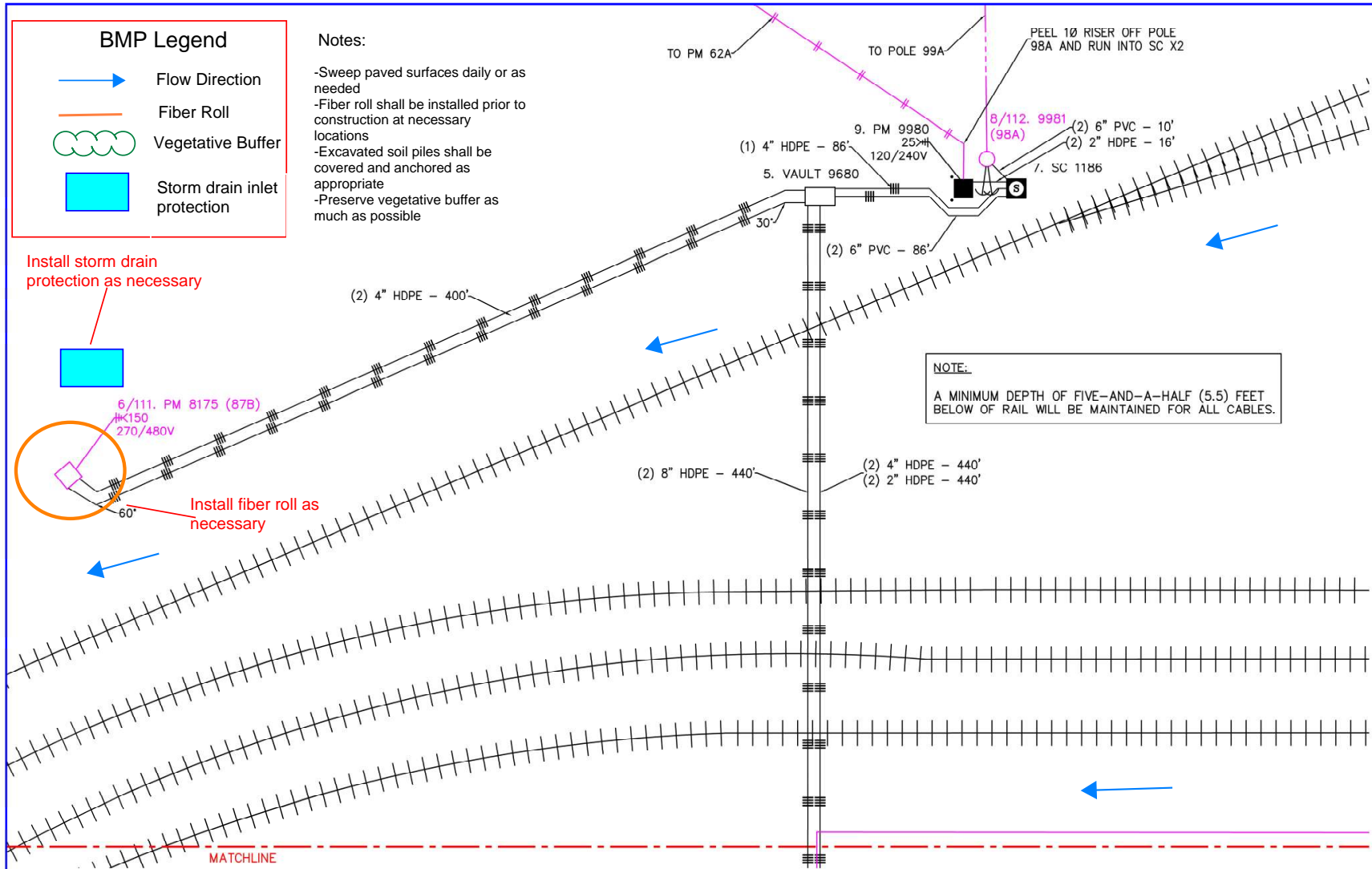
Notes:

- Sweep paved surfaces daily or as needed
- Fiber roll shall be installed prior to construction at necessary locations
- Excavated soil piles shall be covered and anchored as appropriate
- Preserve vegetative buffer as much as possible

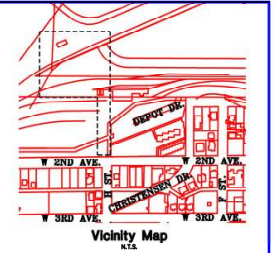
Install storm drain protection as necessary



Install fiber roll as necessary



NOTE:
A MINIMUM DEPTH OF FIVE-AND-A-HALF (5.5) FEET BELOW OF RAIL WILL BE MAINTAINED FOR ALL CABLES.



CONDUCTOR DATA

Manuf.	Manuf. Date	Manuf. Date
Vol. Rating	Vol. Rating	Vol. Rating
Insd. Type	Insd. Type	Insd. Type
Insd. Size	Insd. Size	Insd. Size
Cond. Size/Type	Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet	Quantity in Feet

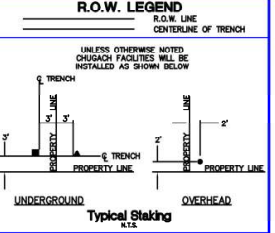
CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASKA INC.	284-8465
ALASKA RAILROAD UTILITIES	250-2457
ALYTESKA CABLE TV (BROOKWOOD)	783-2922
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334 OR 552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

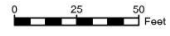
CONSTRUCTION LEGEND

NEW	EXISTING



-BLUE 12 KV
-HELIOPTROPE 30 KV

ELECTRICAL

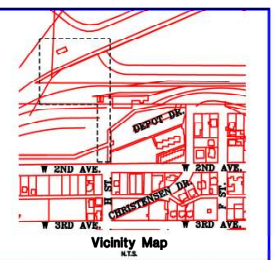
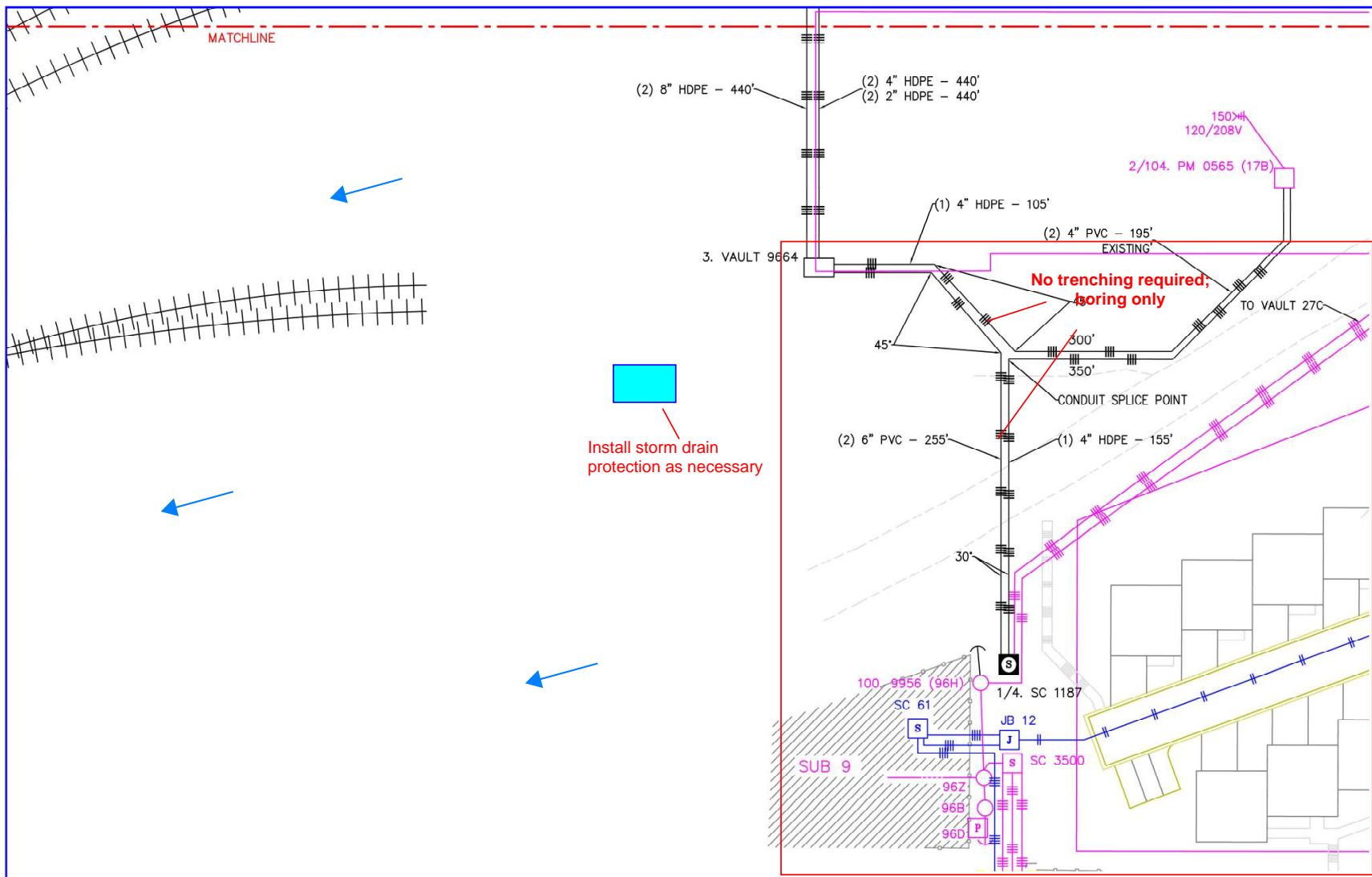


PROJECT: DEPOT DR. AK RAILROAD RELO - SOA 35KV		ENG. STAMP	
DESIGNER/PROJECT ENGINEER: DTHORNTON		W.O. #: R2114030	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE
0	ISSUED FOR REVIEW	DT 3/8/22	
1	ISSUED FOR FINAL	MS 3/10/23	

Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: DEPOT DR. AK RAILROAD RELOCATION OF OH 35 KV CIRCUIT
GRID: 1229B MAP: 1304-13A
FEEDER: BKR 630
ELECTRICAL INSTALL
E2114030

NO. OF SHEETS: 1 OF 1



CONDUCTOR DATA

Manuf. _____	Manuf. _____
Manuf. Date _____	Manuf. Date _____
Volt Rating _____	Volt Rating _____
Insd. Type _____	Insd. Type _____
Insd. Size _____	Insd. Size _____
Cond. Size/Type _____	Cond. Size/Type _____
Quantity in Feet _____	Quantity in Feet _____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)

ANCHORAGE AREA 278-3121

STATEWIDE 800-478-3121

AT&T ALASCOM INC. 284-8465

ALASKA RAILROAD UTILITIES..... 255-2457

ALYSCA CABLE TV (BROADWOOD)..... 783-2922

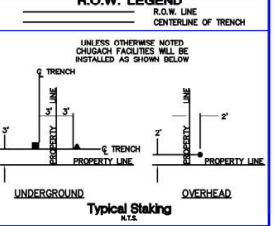
KULIS AIR BASE 249-1499

MILITARY PETROLEUM FUEL LINES..... 552-2334
OR 552-5342

STATE STORM DRAINS & STREET LIGHTS..... 333-2411

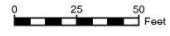
CONSTRUCTION LEGEND

NEW	EXISTING
⊠	⊠
▲	▲
+	+
⊕	⊕
⊖	⊖
⊗	⊗
⊘	⊘
⊙	⊙
⊚	⊚
⊛	⊛
⊜	⊜
⊝	⊝
⊞	⊞
⊟	⊟
⊠	⊠
⊡	⊡
⊢	⊢
⊣	⊣
⊤	⊤
⊥	⊥
⊦	⊦
⊧	⊧
⊨	⊨
⊩	⊩
⊪	⊪
⊫	⊫
⊬	⊬
⊭	⊭
⊮	⊮
⊯	⊯
⊰	⊰
⊱	⊱
⊲	⊲
⊳	⊳
⊴	⊴
⊵	⊵
⊶	⊶
⊷	⊷
⊸	⊸
⊹	⊹
⊺	⊺
⊻	⊻
⊼	⊼
⊽	⊽
⊾	⊾
⊿	⊿



-BLUE 15 KV
-HELIOTROPE 30 KV

ELECTRICAL



PROJECT: DEPOT DR. AK RAILROAD RELO - SOA 35KV		DESIGNER/PROJECT ENGINEER: DTHORNTON		W.O. #: E2114030	
NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE	
0	ISSUED FOR REVIEW	DT 3/8/22			
1	ISSUED FOR FINAL	MS 3/10/23			

ENG. STAMP

Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: **DEPOT DR. AK RAILROAD RELOCATION OF OH 35 KV CIRCUIT**
GRID: 1229B MAP: 1304-13A
FEEDER: BKR 630
ELECTRICAL INSTALL

W.O. NO.: **E2114030**
 W.O. REF. NO.: **E2114030**

DATE: **3/10/23**

SHEET **1** OF **1**

Signature Certificate

Reference number: 7WMEC-3AROS-ZLQA5-73AEZ

Signer

Timestamp

Signature

Marty Freeman

Email: marty_freeman@chugachelectric.com

Sent: 21 Mar 2023 16:44:57 UTC
Viewed: 22 Mar 2023 16:44:51 UTC
Signed: 22 Mar 2023 16:45:17 UTC



Recipient Verification:

✓Email verified 22 Mar 2023 16:44:51 UTC

IP address: 192.189.218.190
Location: Anchorage, United States

Document completed by all parties on:
22 Mar 2023 16:45:17 UTC

Page 1 of 1



Signed with PandaDoc

PandaDoc is a document workflow and certified eSignature solution trusted by 40,000+ companies worldwide.

