

Supplementary Information:**Wetland Impacts:**

	Approximate Acres Impacted	Approximate Fill (CY)	Approximate Excavation (CY)	Type
Snake River	0.75	1510	0	River
Bourbon Creek / Dry Creek Drainage Area	0.05	245	0	Dry Creek
	0.05	35	0	Water (Pond)
	0.10	430	0.65	Wetland
Center Creek Rd and Seppala Drive	0.05	90	0.15	Wetland
Center Creek	0.15	840	260	Wetland
Total	1.15	3150	260.8	

Delineation of Wetlands:

Due to the substantial wetland extent in the project area, all areas not already filled will be considered wetlands. Wetland boundaries were delineated using survey data of the embankment extent of the existing roadway.

Compensatory Mitigation:

DOT&PF proposes no compensatory mitigation for the 1.15 acres of unavoidable permanent impacts to waters of the U.S. Measure included in the project are expected to result in a benefit to waters of the U.S. Replacing the Dry Creek culverts will reestablish tidal exchange with the Dry Creek and Bourbon Creek wetlands, leading to an improvement of floodplain and ecological function. The project is being coordinated with the Alaska Department of Fish and Game to design culverts that will improve fish passage. Due to the drainage and fish passage improvements along with the minor wetland impacts resulting from this project, DOT&PF is does not proposed compensatory mitigation.

Ground Disturbance:

The proposed project would involve ground disturbing activities. Rehabilitation is proposed as follows:

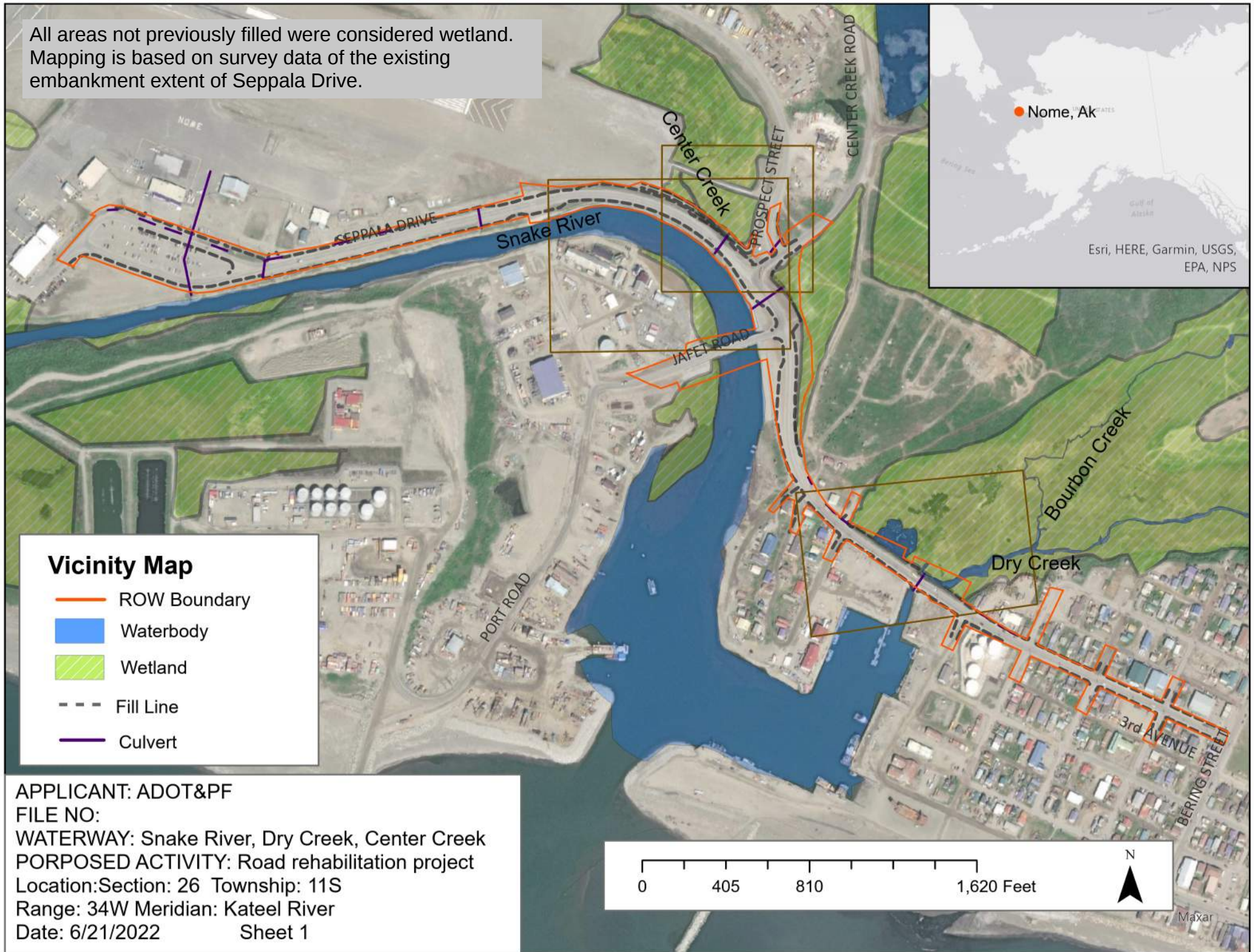
- 4 inches of topsoil and seeding will be placed on roadside slopes, except where there are permanent improvements (eg riprap)
- Topsoil will meet specifications detailed in ADOT&PF Standard Specifications for Highway Construction, section 726
- Seed type and application rate are described in the table below.

MATERIALS	TYPE	APPLICATION
Seed*	Norcoast Bering Hairgrass	0.40 lb
	Gruening Alpine Bluegrass	0.30 lb
	Tundra Glaucous Bluegrass	0.20 lb
	Arctared Red Fescue	0.10 lb
	Total	10lb
Fertilizer	20-20-10	10 lb
Trace	See Subsection 727-2.01	20 lb

Other Permit Considerations:

The Snake River, Dry Creek are anadromous, and a fish habitat permit will be obtained from the Alaska Department of Fish and Game prior to construction.

All areas not previously filled were considered wetland. Mapping is based on survey data of the existing embankment extent of Seppala Drive.



APPLICANT: ADOT&PF

FILE NO:

WATERWAY: Snake River, Dry Creek, Center Creek

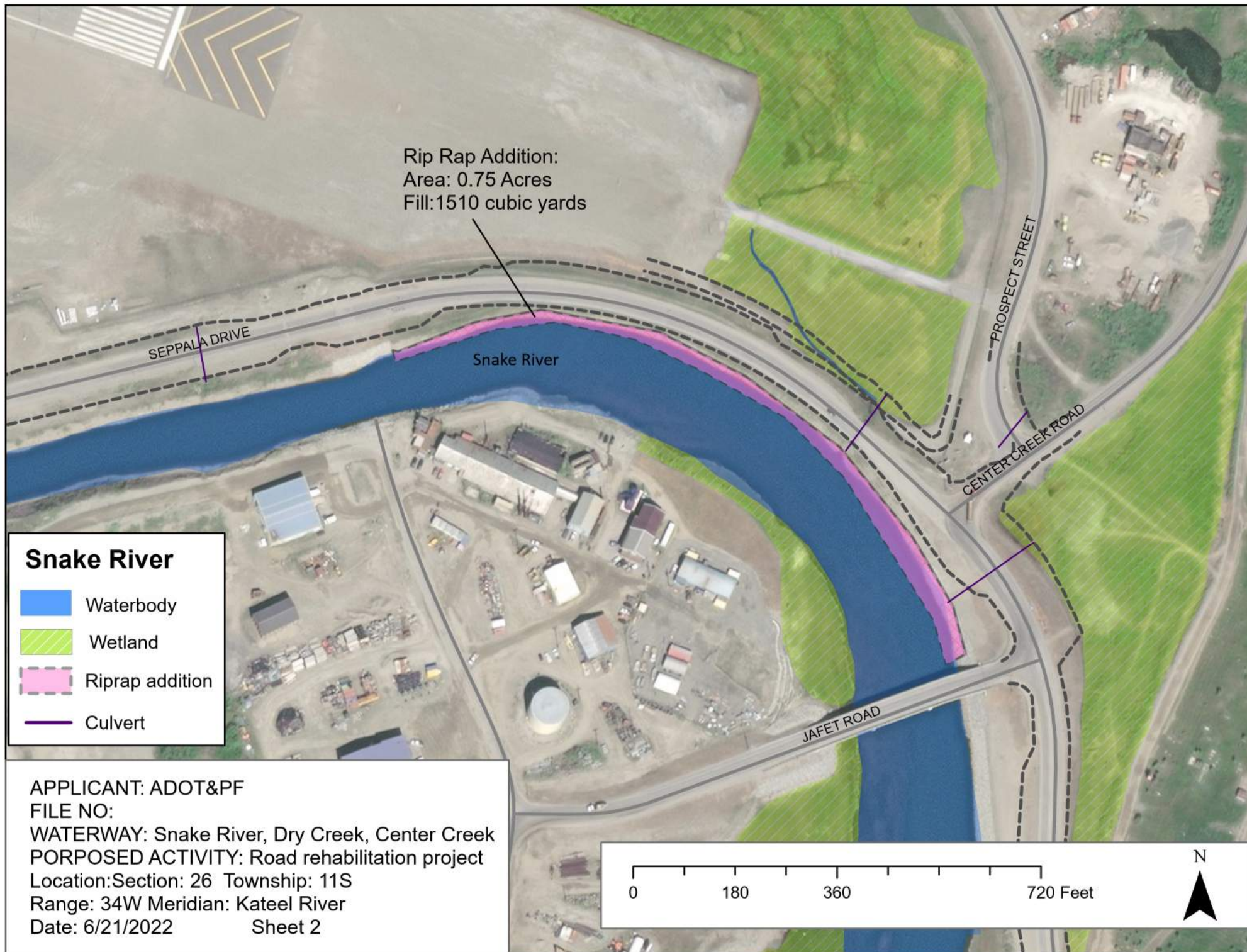
PORPOSED ACTIVITY: Road rehabilitation project

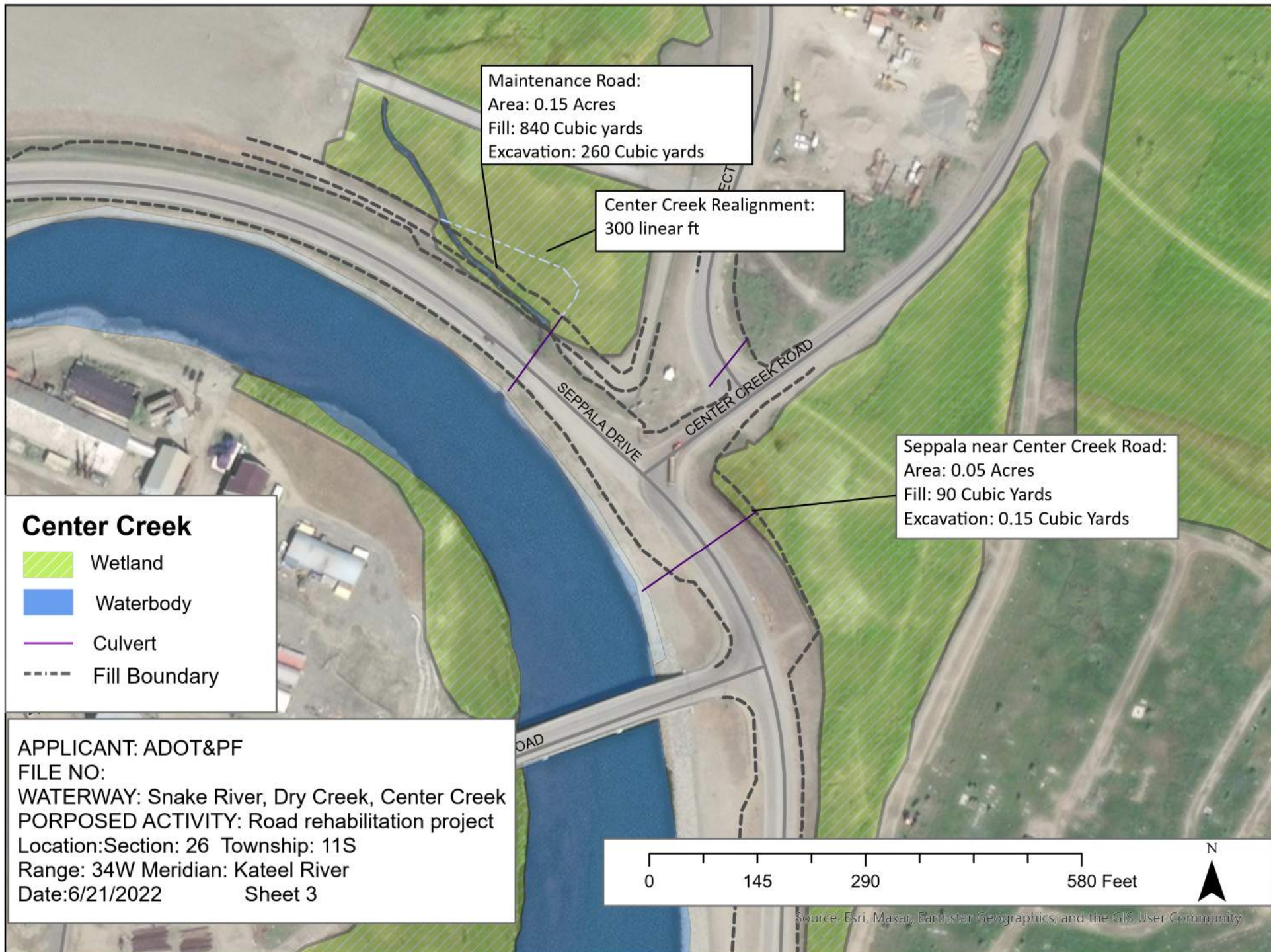
Location:Section: 26 Township: 11S

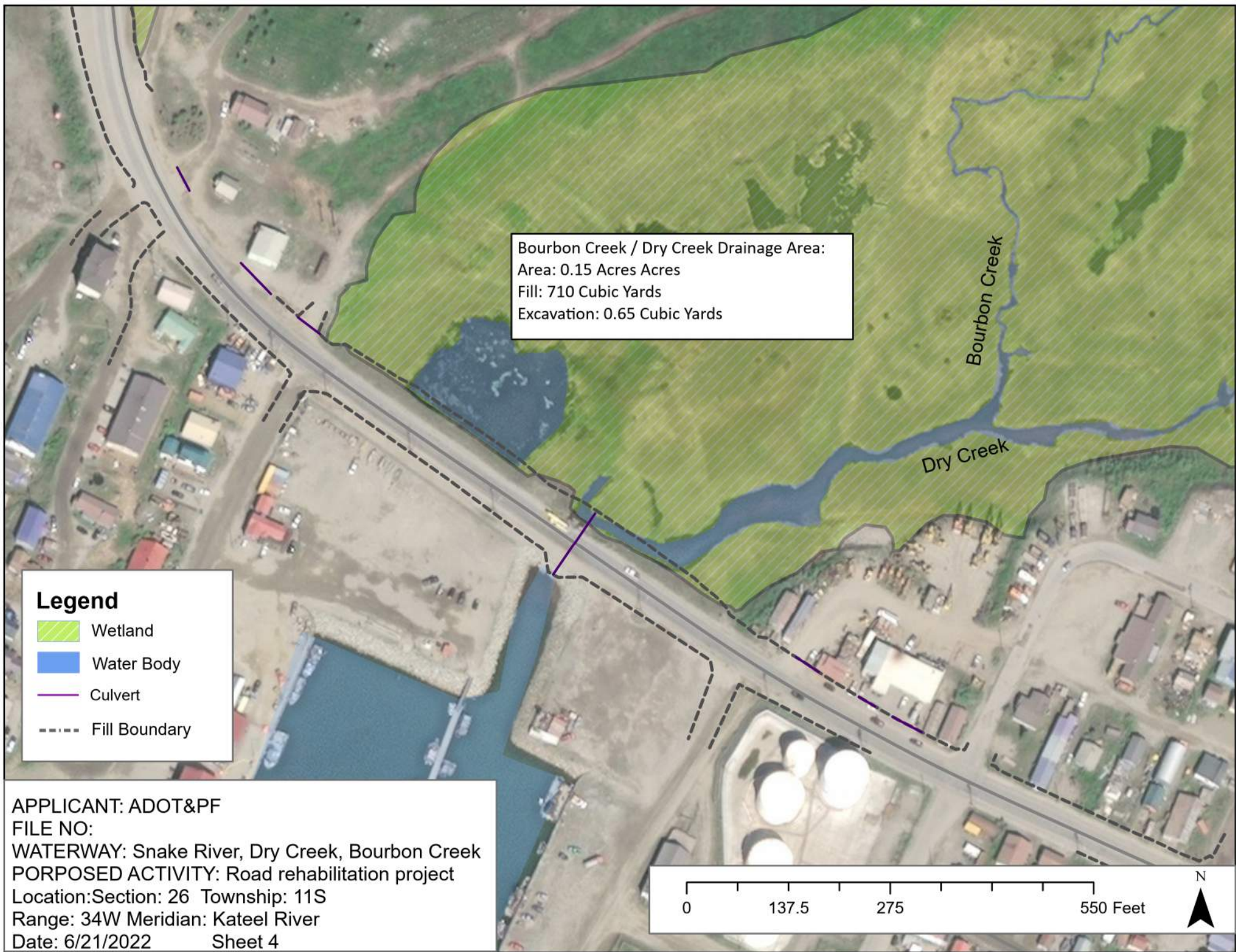
Range: 34W Meridian: Kateel River

Date: 6/21/2022

Sheet 1





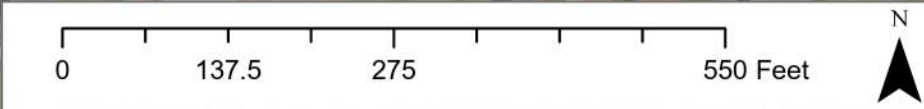


Bourbon Creek / Dry Creek Drainage Area:
Area: 0.15 Acres
Fill: 710 Cubic Yards
Excavation: 0.65 Cubic Yards

Legend

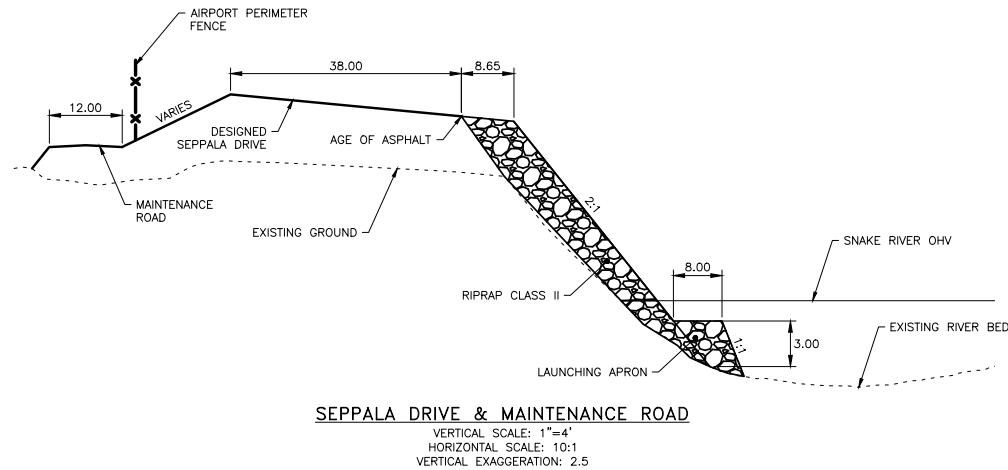
-  Wetland
-  Water Body
-  Culvert
-  Fill Boundary

APPLICANT: ADOT&PF
FILE NO:
WATERWAY: Snake River, Dry Creek, Bourbon Creek
PORPOSED ACTIVITY: Road rehabilitation project
Location:Section: 26 Township: 11S
Range: 34W Meridian: Kateel River
Date: 6/21/2022 Sheet 4



PLANS DEVELOPED BY: RESPEC, CERT. OF AUTHORIZATION NO.: AEC 163270, 2700 GAMBELL STREET, SUITE 500, ANCHORAGE, AK 99503, (907)743-3200
N:\Projects\17258FB-Seppala\Design\Wetlands\Seppala-Dry Creek Crossing-Seppala Drive & Maintenance Road Wed Jun/22/22 12:57pm

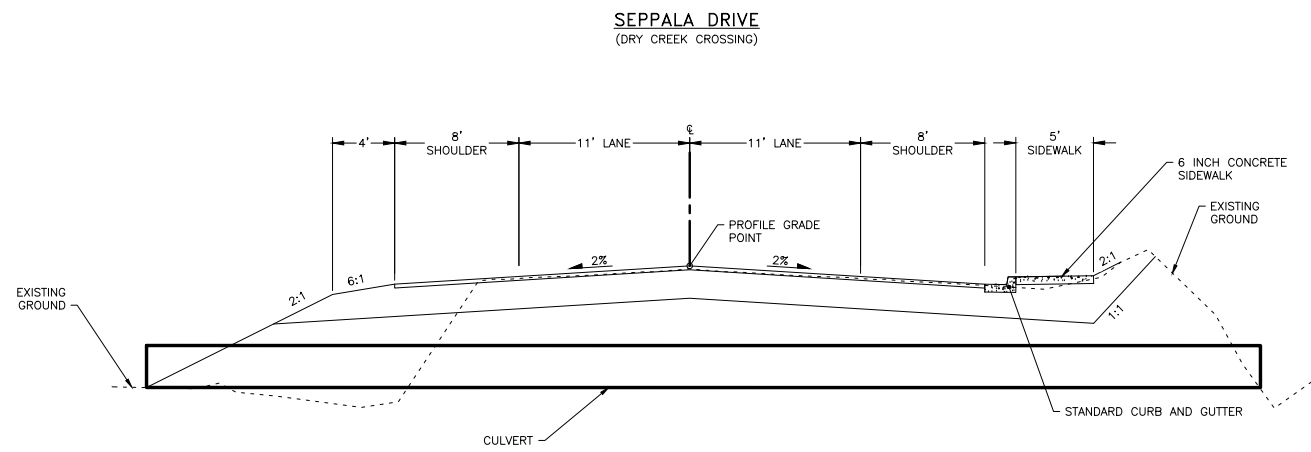
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0005828/Z620030000	2022	B1	B3



APPLICANT: ADOT&PF
FILE NO:
WATERWAY: Snake River, Dry Creek
PORPOSED ACTIVITY: Road rehabilitation project
Location:Section: 26 Township: 11S
Range: 34W Meridian: Kateel River
Date: 6/22/2022 Sheet 5

TYPICAL SECTION

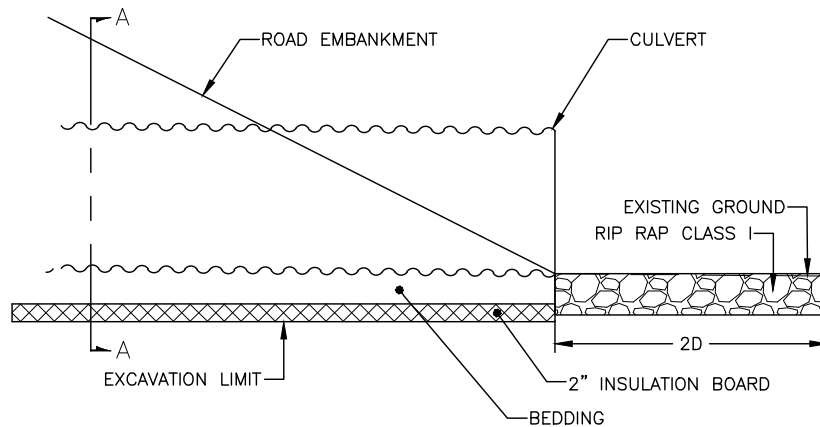
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0005828/Z620030000	2022	B1	B3



APPLICANT: ADOT&PF
FILE NO:
WATERWAY: Snake River, Dry Creek
PORPOSED ACTIVITY: Road rehabilitation project
Location:Section: 26 Township: 11S
Range: 34W Meridian: Kateel River
Date: 6/22/2022 Sheet 6

TYPICAL SECTION

PLANS DEVELOPED BY: RESPEC, CERT. OF AUTHORIZATION NO.: AECG 163270, 2700 GAMBELL STREET, SUITE 500, ANCHORAGE, AK 99503, (907)743-3200
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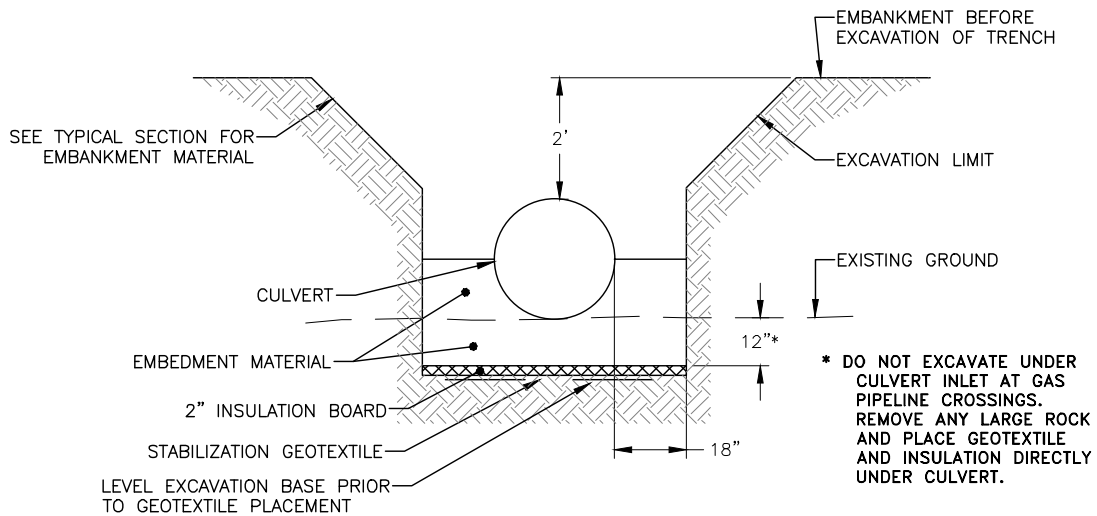


DETAIL: CULVERT INSTALLATION

N.T.S.

NOTES:

1. CONSTRUCT APRON TWO CULVERT DIAMETERS WIDE BY TWO CULVERT DIAMETERS LONG AT CULVERT INLET AND OUTLET.



SECTION A-A CULVERT INSTALLATION

N.T.S.

APPLICANT: ADOT&PF

FILE NO:

WATERWAY: Snake River, Dry Creek

PORPOSED ACTIVITY: Road rehabilitation project

Location: Section: 26 Township: 11S

Range: 34W Meridian: Kateel River

Date: 6/22/22 Sheet 7