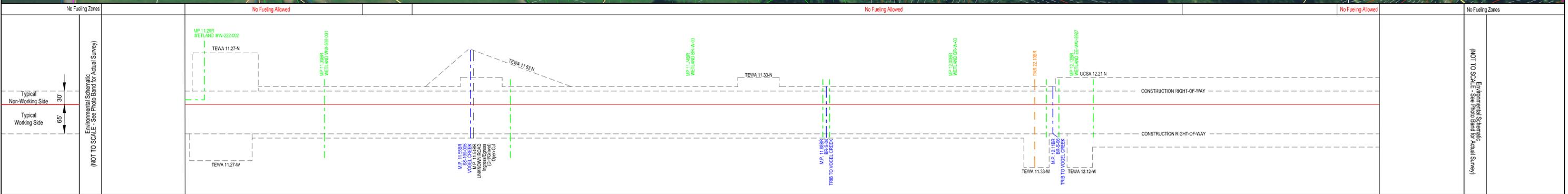
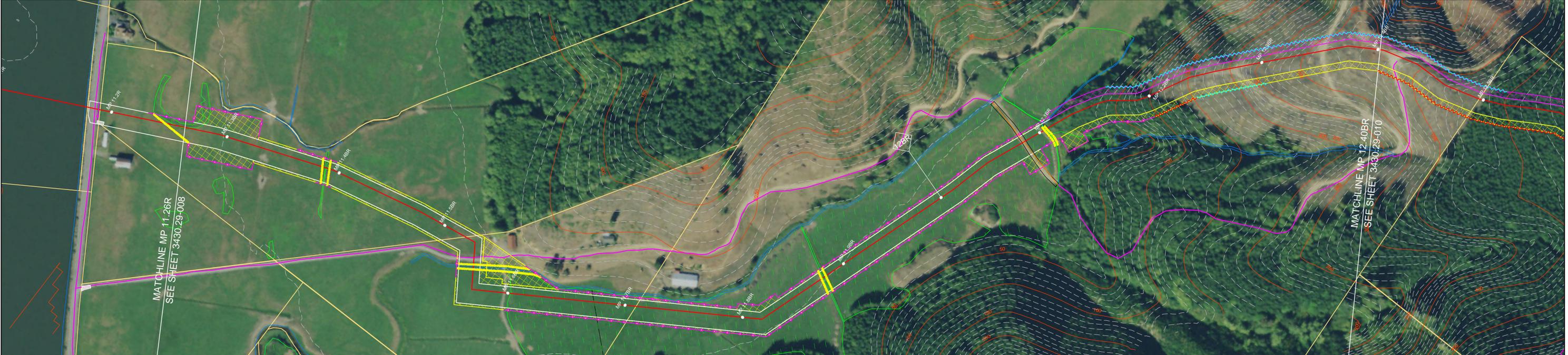

APPENDIX F.9

Comparison of Blue Ridge Variation with Proposed Route

(continued)

Legal Location	T25S, R12W, Section 28			T25S, R12W, Section 33			Legal Location
Ownership / Management	CO-045.055	CO-045.100		CO-045.101			Ownership / Management
Jurisdiction	COOS COUNTY						Jurisdiction
Federal Landuse Allocation							Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	JAN - DEC						Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	WW-500-001	WW-500-001	Vogel Creek	BR-W-03	Trib To Vogel Creek	BR-W-03	Trib To Vogel Creek EE-WW-9927
Crossing Method / Instream Construction Window	Dry Open Cut / Jul. 1 - Sep. 15			Dry Open Cut / Jul. 1 - Sep. 15		Dry Open Cut / Jul. 1 - Sep. 15	
Biological Seasonal Construction Window (as of September 2017)							MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))
Topsoil Salvage / Federal Lands Soil Risk							Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential							Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)							Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
- If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

Proposed Pipeline	Tax Parcel Boundaries
Wetland	Stream
Temporary Construction Right-of-Way (Shown white on photography)	Access Road
Temporary Extra Work Area	Permanent / Temporary Access Road (PAR / TAR)
Uncleared Storage Area	Driveable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
Pipe Yard	Silt Fence (SF)
Aboveground Facility	Safety Fence (SAF)
Rock Source/Disposal	Slash Filter Windrow (SFW)
	Construction Entrance Pad (CE)

Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establie Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

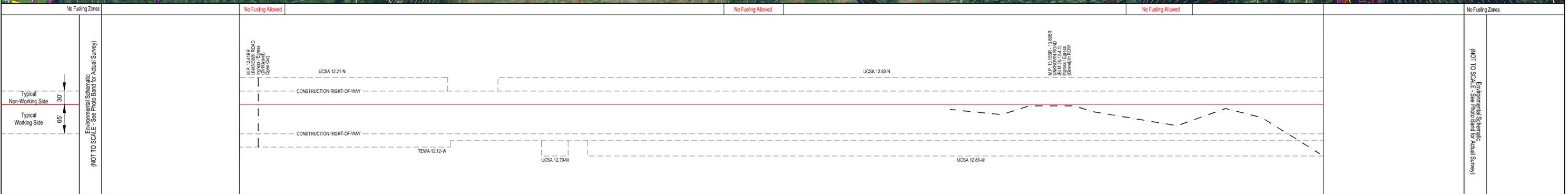
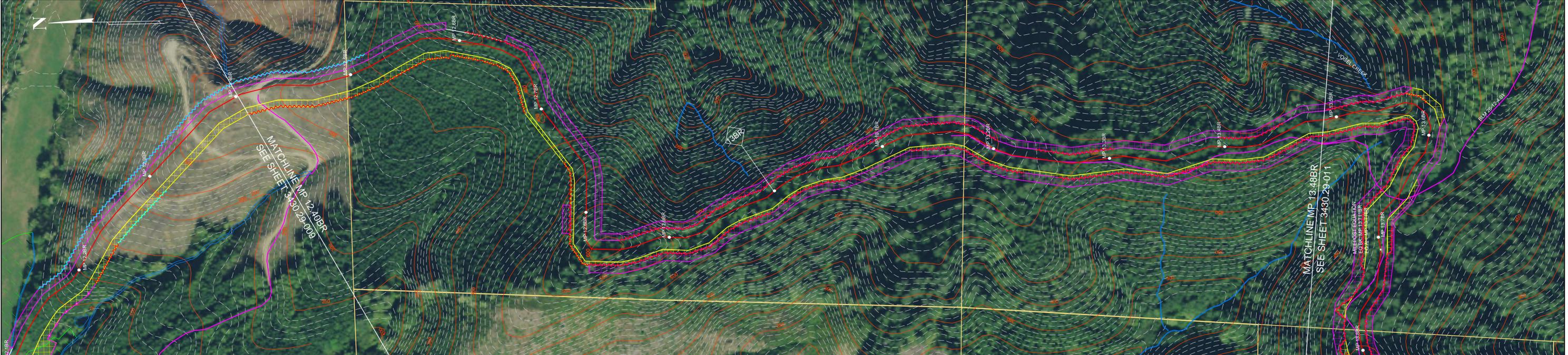
PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 11.26R TO 12.40BR
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-009	SHEET 9 OF 226

Legal Location	T26S, R12W, Section 33										T26S, R12W, Section 4										Legal Location
Ownership / Management	CO-045.101					CO-045.102					CO-045.103					Ownership / Management					
Jurisdiction	BLM - COOS BAY DISTRICT																				Jurisdiction
Federal Landuse Allocation	8 4b 8 2b 4b 2b 8 2b 3b 4b 8 3b																				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)																					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody																					Wetland / Waterbody
Crossing Method / Instream Construction Window																					Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	MARBLE MURRELET (APRIL 1 - AUGUST 5 (OTRs))																				Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk																					Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential																					Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)																					Survey Status (wetlands as of July 2017)



- NOTES:**
- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
 - In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
 - In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
 - Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
 - If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
 - Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Windrow (SPW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

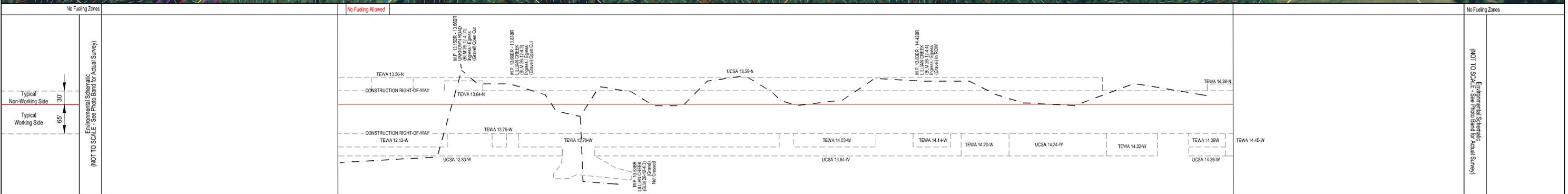
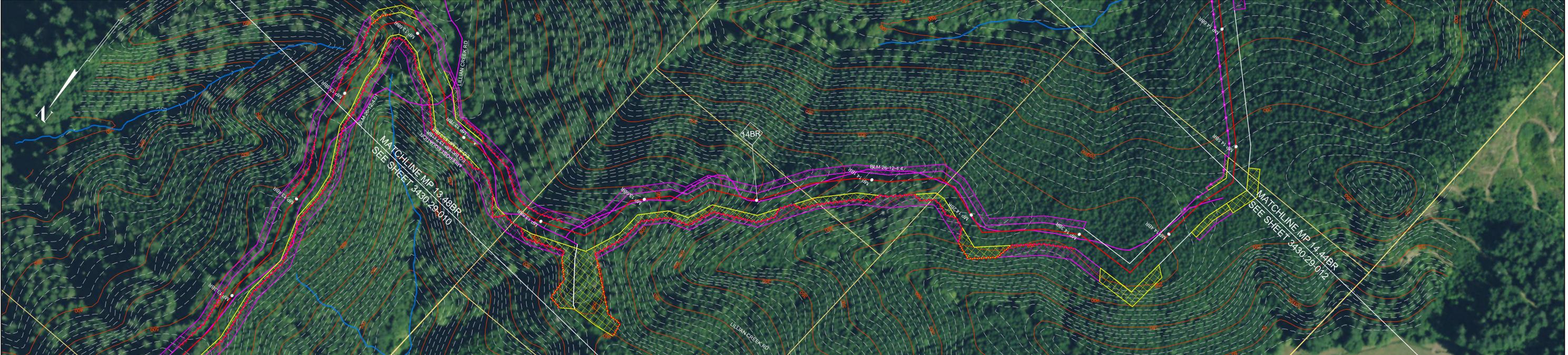
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 12.40BR TO 13.48BR
COOS COUNTY, OREGON**

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-010	SHEET 10 OF 226

Pacific Connector GAS PIPELINE

Legal Location	SEC 3, T25S, R13W				Legal Location
Ownership / Management	CO-045.103	CO-045.104	CO-045.105	CO-045.106	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT				Jurisdiction
Federal Landuse Allocation	COOS COUNTY				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	Trib to Stock Slough				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))				Wetland / Waterbody
Crossing Method / Instream Construction Window					Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)					Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk					Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential					Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)					Survey Status (wetlands as of July 2017)



- NOTES:**
- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
 - In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the trench line, except in areas where standing water or saturated soils are present.
 - In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
 - Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
 - If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

Proposed Pipeline	Tax Parcel Boundaries
Construction Right-of-Way	Wetland
Temporary Construction Right-of-Way (Shown white on photography)	Stream
Temporary Extra Work Area	Access Road
Uncleared Storage Area	Permanent / Temporary Access Road (PAR / TAR)
Pipe Yard	Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
Aboveground Facility	Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
Rock Source/Disposal	Silt Fence (SF)
	Safety Fence (SAF)
	Slash Filter Window (SFV)
	Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

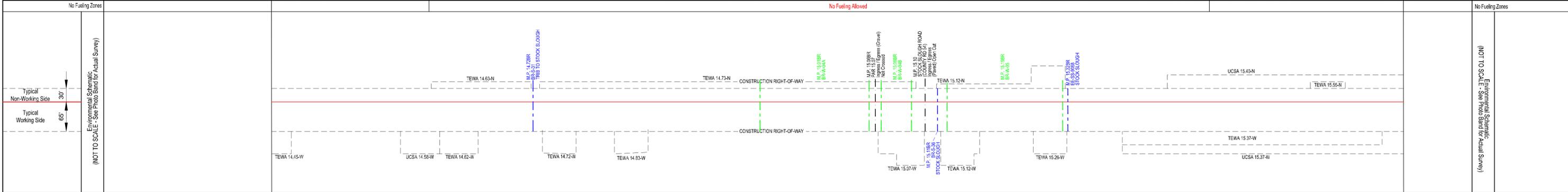
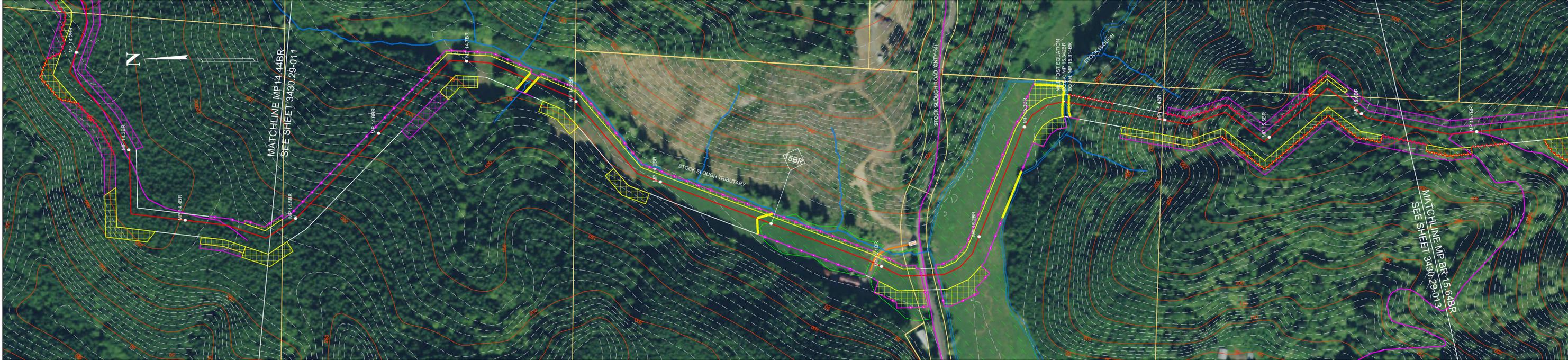
PUBLIC

**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 13.48BR TO 14.44BR
COOS COUNTY, OREGON**

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-011	SHEET 11 OF 226

Legal Location	T26S, R12W, Section 4		T26S, R12W, Section 9		Legal Location	
Ownership / Management	CO-045.106	CO-045.107	CO-045.108	CO-045.110	CO-045.112	CO-045.113
Jurisdiction	COOS COUNTY					Jurisdiction
Federal Landuse Allocation						Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	NOV - APR					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to Stock Slough					Wetland / Waterbody
Crossing Method / Instream Construction Window	DRY OPEN CUT / JULY 1 - SEPT 15					Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))					Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk						Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential						Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)						Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the trench line, except in areas where standing water or saturated soils are present.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
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- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

<ul style="list-style-type: none"> Proposed Pipeline Construction Right-of-Way <ul style="list-style-type: none"> Temporary Construction Right-of-Way (Shown white on photography) Temporary Extra Work Area Uncleared Storage Area Pipe Yard Aboveground Facility Rock Source/Disposal 	<ul style="list-style-type: none"> Tax Parcel Boundaries Wetland Stream Access Road Permanent / Temporary Access Road (PAR / TAR) Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions. <ul style="list-style-type: none"> Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC) Silt Fence (SF) Safety Fence (SAF) Slash Filter Windrow (SFW) Construction Entrance Pad (CE)
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BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Forest)	3a - Late-Successional Reserve (Dry Forest)	3b - Late-Successional Reserve (Moist Forest)	4a - Riparian Reserve (Dry Forest)	4b - Riparian Reserve (Moist Forest)	5 - Establisement Management Area	6 - Harvest Land Base (Unshaded Timber Area)	7 - Harvest Land Base (Low Intensity Timber Area)	8 - Harvest Land Base (Moderate Intensity Timber Area)
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FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low	2-Low	3-Moderate	4-High	5-Very High
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REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

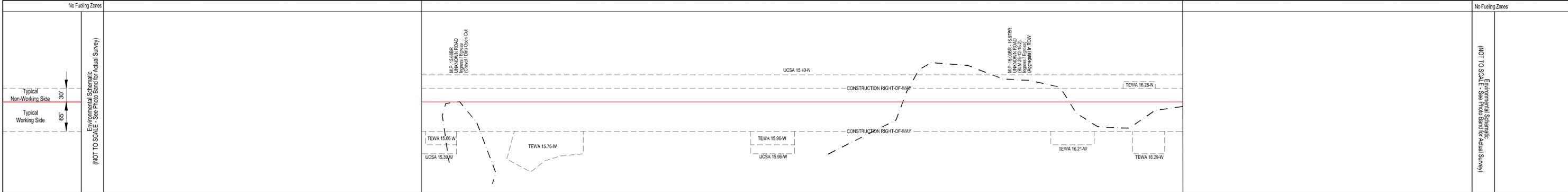
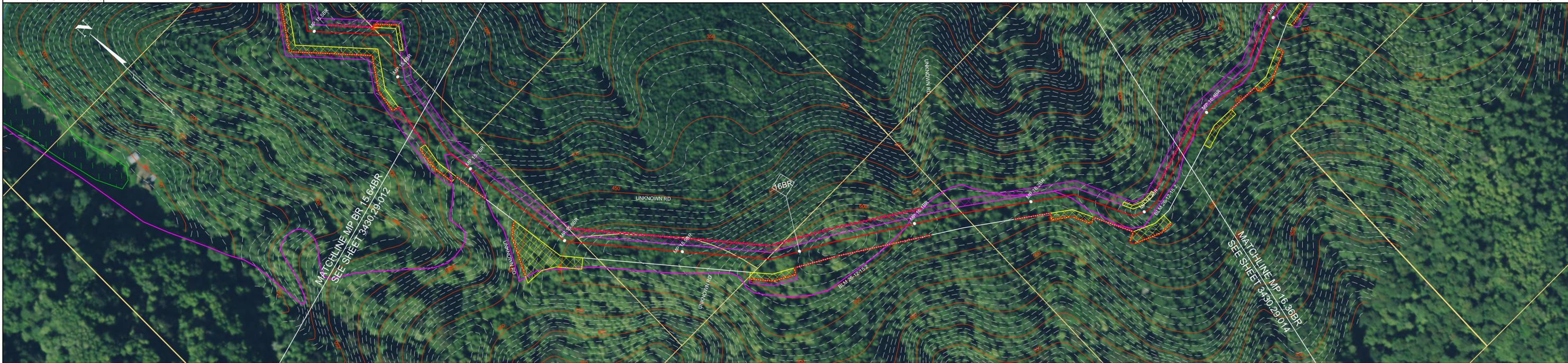
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 14.44BR TO 15.64BR
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-012	SHEET 12 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	T26S, R12W, Section 9				T26S, R12W, Section 16				Legal Location	
Ownership / Management	CO-045.110		CO-045.115		CO-045.114		CO-045.116		CO-045.117	
Jurisdiction	COOS COUNTY				BLM - COOS BAY DISTRICT				COOS COUNTY	
Federal Landuse Allocation			2a		2b		2a			
Areas of High Groundwater (Potential Trench Dewatering)										
Wetland / Waterbody										
Crossing Method / Instream Construction Window	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))									
Biological Seasonal Construction Window (as of September 2017)										
Topsoil Salvage / Federal Lands Soil Risk										
Hydrostatic Test Water Release / Aboveground Facilities / Residential										
Survey Status (wetlands as of July 2017)										



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
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LEGEND

Proposed Pipeline	Tax Parcel Boundaries
Construction Right-of-Way	Wetland
Temporary Construction Right-of-Way (Shown white on photography)	Stream
Temporary Extra Work Area	Access Road
Uncleared Storage Area	Permanent / Temporary Access Road (PAR / TAR)
Pipe Yard	Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
Aboveground Facility	Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
Rock Source/Disposal	Silt Fence (SF)
	Safety Fence (SAF)
	Slash Filter Windrow (SPW)
	Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unknown-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
	Aug-2019	EE	Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

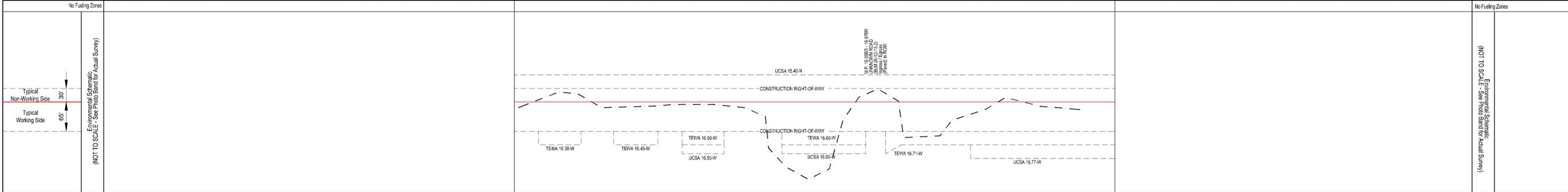
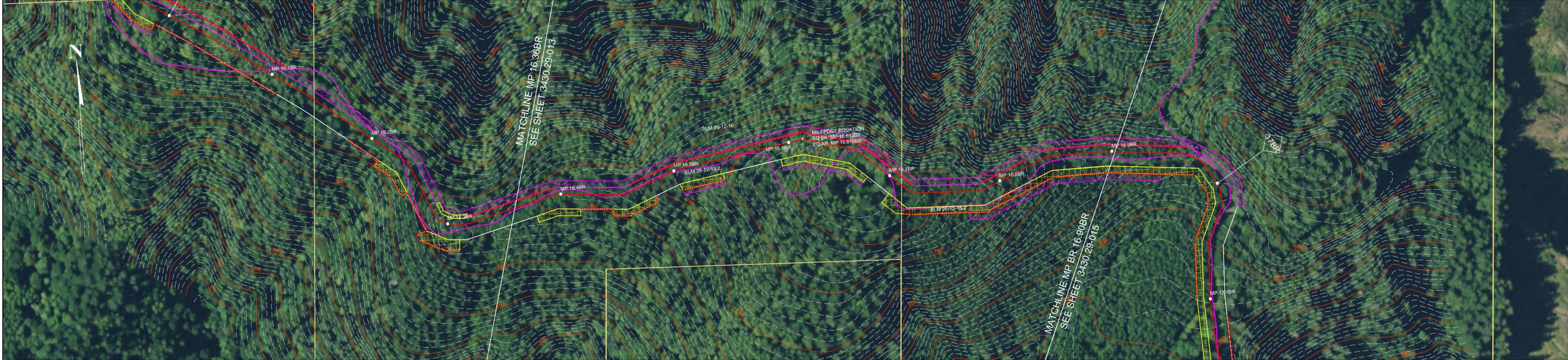
PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 15.64BR TO 16.36BR
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-013	SHEET 13 OF 226

Legal Location	T26S, R12W, Section 16	T26S, R12W, Section 15	Legal Location
Ownership / Management	CO-045.117	CO-045.118	Ownership / Management
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	Jurisdiction
Federal Landuse Allocation		3b	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			Wetland / Waterbody
Crossing Method / Instream Construction Window*			Crossing Method / Instream Construction Window*
Biological Seasonal Construction Window (as of September 2017)	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))		Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)			Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
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LEGEND

Proposed Pipeline	Tax Parcel Boundaries
Construction Right-of-Way	Wetland
Temporary Construction Right-of-Way	Stream
Temporary Extra Work Area	Access Road
Uncleared Storage Area	Permanent / Temporary Access Road (PAR / TAR)
Pipe Yard	Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
Aboveground Facility	Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
Rock Source/Disposal	Silt Fence (SF)
	Safety Fence (SAF)
	Slash Filter Windrow (SFW)
	Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unseen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

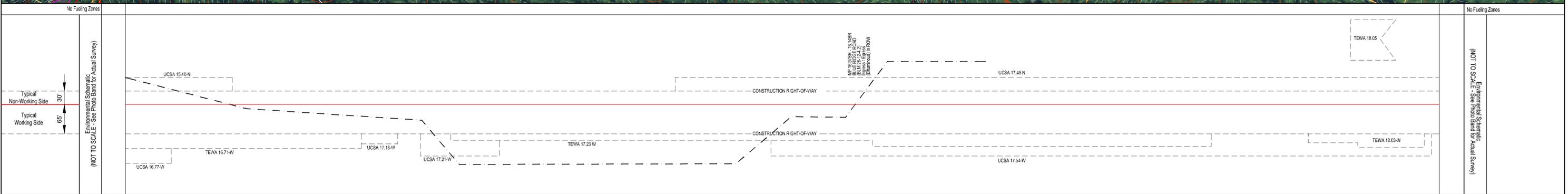
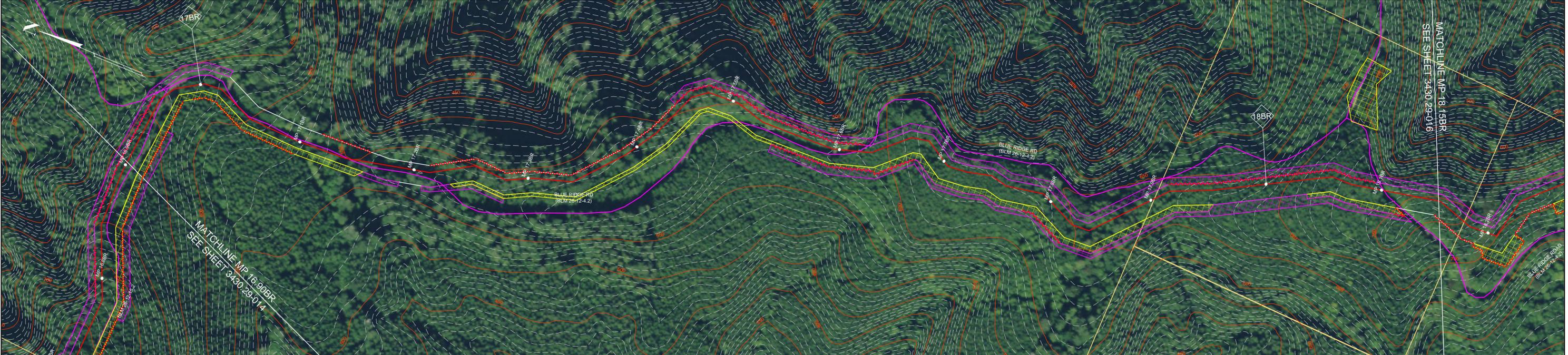
PUBLIC

**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 16.36BR TO 16.90BR
COOS COUNTY, OREGON**

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-014	SHEET 14 OF 226

Legal Location	T26S, R12W, Section 15		T26S, R12W, Section 22		Legal Location
Ownership / Management	CO-045.118		CO-045.119		Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT		COOS COUNTY		Jurisdiction
Federal Landuse Allocation	3b	4b	3c		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody					Wetland / Waterbody
Crossing Method / Instream Construction Window	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))				Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)					Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk					Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential					Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)					Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
- If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
 - Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Windrow (SPW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

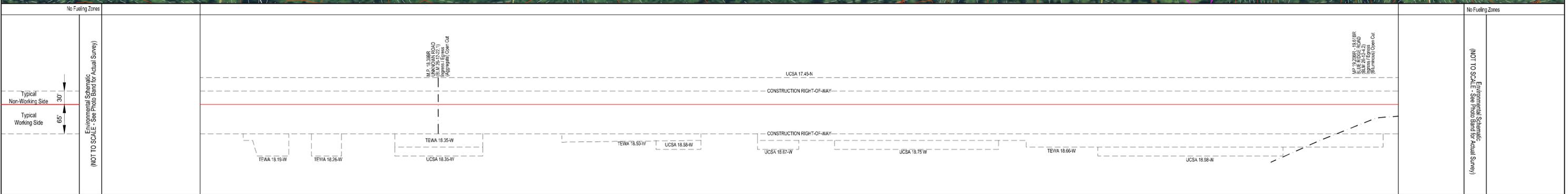
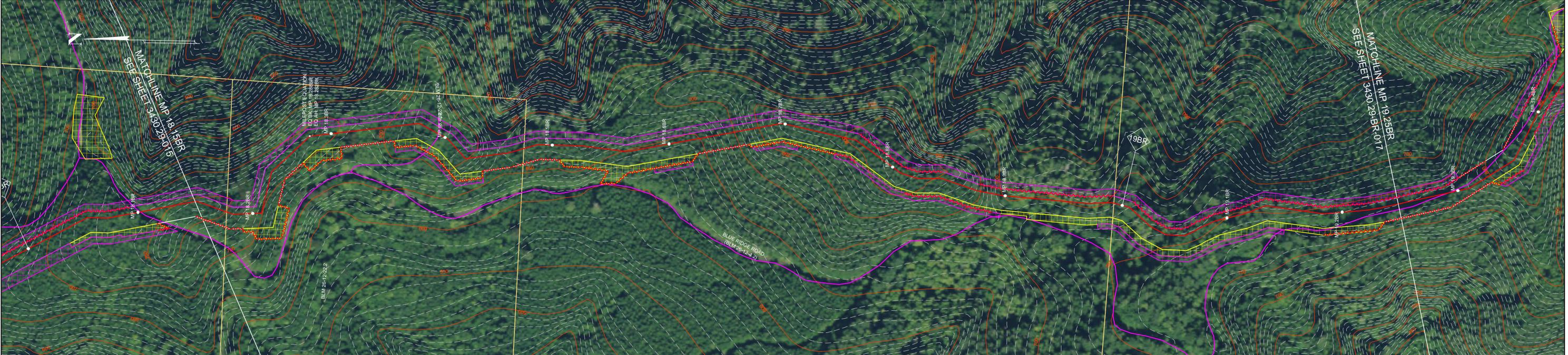
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 16.90BR TO 18.15BR
COOS COUNTY, OREGON

DRAWN BY: EE DATE: AUG-2019 ISSUED FOR BID: 24x36 SCALE: 1 Inch = 200 Feet
 CHECKED BY: EE DATE: AUG-2019 ISSUED FOR CONSTRUCTION: 11x17 SCALE: 1 Inch = 450 Feet
 APPROVED BY: EE DATE: AUG-2019 DRAWING NUMBER: 3430.29-015 SHEET 15 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	T26S, R12W, Section 22			T26S, R12W, Section 27			Legal Location
Ownership / Management	CO-045.119	CO-045.121	CO-045.122	CO-045.123			Ownership / Management
Jurisdiction	COOS COUNTY			BLM - COOS BAY DISTRICT			Jurisdiction
Federal Landuse Allocation				3b			Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)							Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody							Wetland / Waterbody
Crossing Method / Instream Construction Window							Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)				MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))			Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk							Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential							Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)							Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
- If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
 - Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Windrow (SPW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No-Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Establisement Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

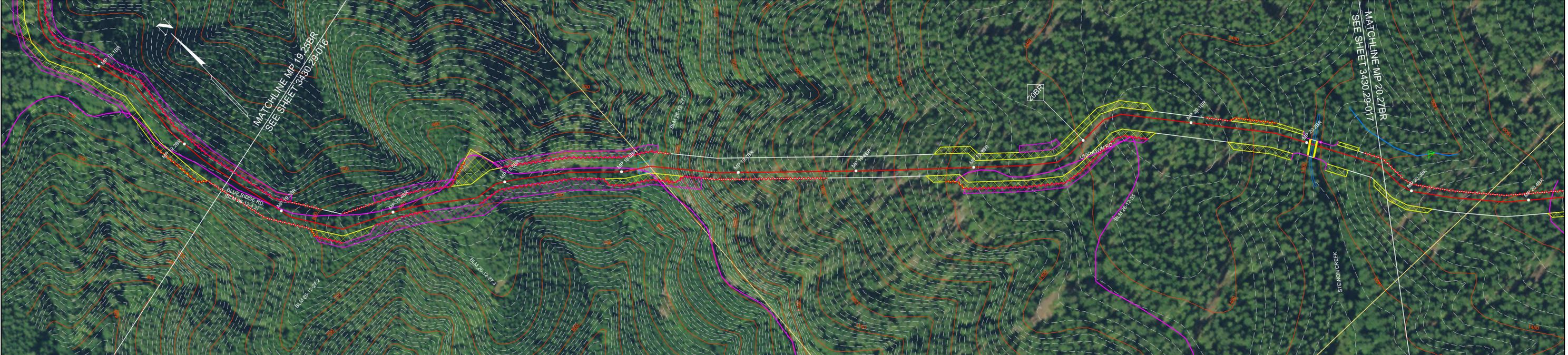
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 18.15BR - 19.25BR
COOS COUNTY, OREGON**

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-016	SHEET 16 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	T26S, R12W, Section 27				T26S, R12W, Section 26				Legal Location
Ownership / Management	CO-045.123				CO-045.124				Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT								Jurisdiction
Federal Landuse Allocation	3b	4b	3b	4b	3b	4b	3b	4b	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody									Wetland / Waterbody
Crossing Method / Instream Construction Window									Trib to Steinnon Creek DRY OPEN CUT / JULY 1 - SEPT 15
Biological Seasonal Construction Window (as of September 2017)									MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))
Topsoil Salvage / Federal Lands Soil Risk									Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential									Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)									Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the trench line, except in areas where standing water or saturated soils are present.
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- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

Proposed Pipeline

Construction Right-of-Way

- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

BLM LANDUSE - 2016 RMP

- 2a - District Designated Reserve (No Harvest)
- 2b - District Designated Reserve (Non-Forest)
- 3a - Late-Successional Reserve (Dry Forest)
- 3b - Late-Successional Reserve (Moist Forest)
- 4a - Riparian Reserve (Dry Forest)
- 4b - Riparian Reserve (Moist Forest)
- 5 - Establisement Management Area
- 6 - Harvest Land Base (Unopen-Aged Timber Area)
- 7 - Harvest Land Base (Low Intensity Timber Area)
- 8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

- 1-Very Low
- 2-Low
- 3-Moderate
- 4-High
- 5-Very High

Other Symbols:

- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB, SB, PB, WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Windrow (SPW)
- Construction Entrance Pad (CE)

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

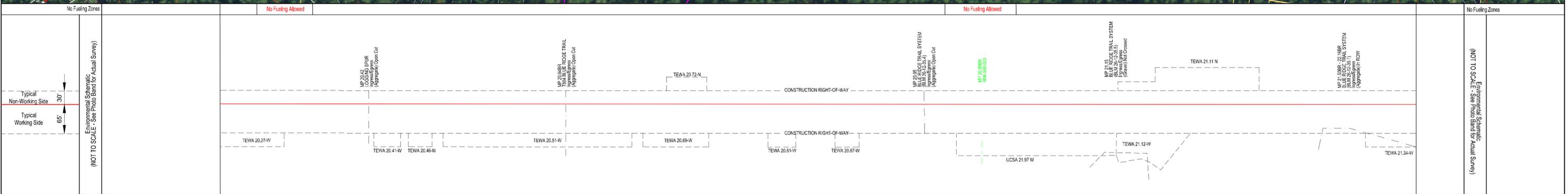
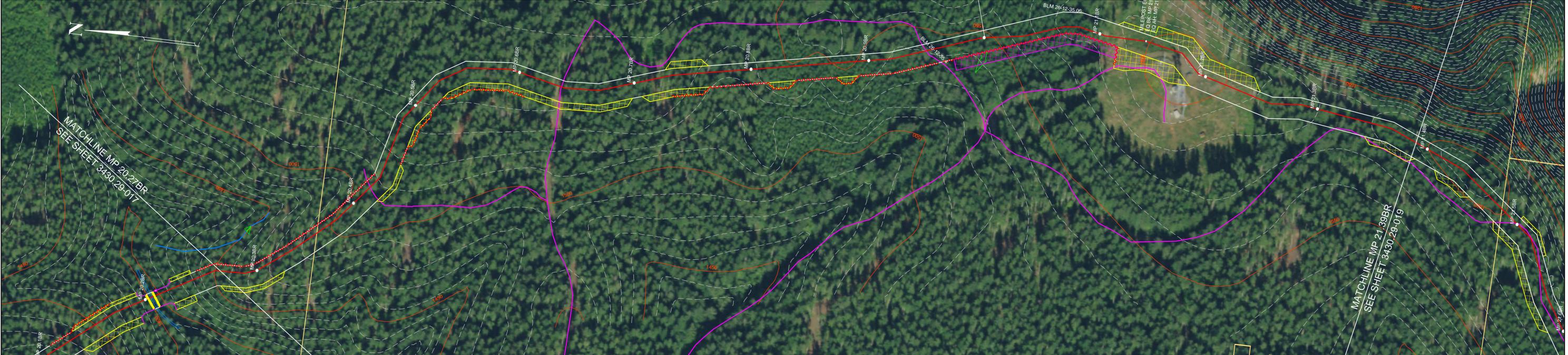
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 19.25BR TO 20.27BR
COOS COUNTY, OREGON

DRAWN BY: EE DATE: AUG-2019 ISSUED FOR BID: 24x36 SCALE: 1 Inch = 200 Feet
 CHECKED BY: EE DATE: AUG-2019 ISSUED FOR CONSTRUCTION: 11x17 SCALE: 1 Inch = 450 Feet
 APPROVED BY: EE DATE: AUG-2019 DRAWING NUMBER: 3430.29-017 SHEET 17 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	T26S, R12W, Section 26	T26S, R12W, Section 35	Legal Location
Ownership / Management	CO-045.124	CO-045.125	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT		Jurisdiction
Federal Landuse Allocation	3b	4b	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			Wetland / Waterbody
Crossing Method / Instream Construction Window			Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))		Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)			Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
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- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

Proposed Pipeline

Construction Right-of-Way

- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

Other Features:

- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Windrow (SPW)
- Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Esthetic Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

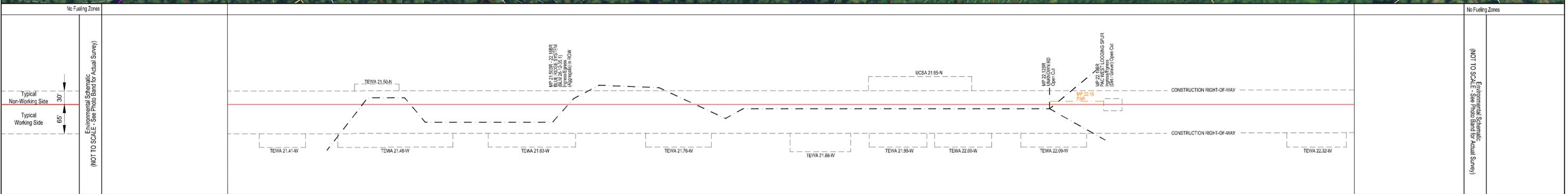
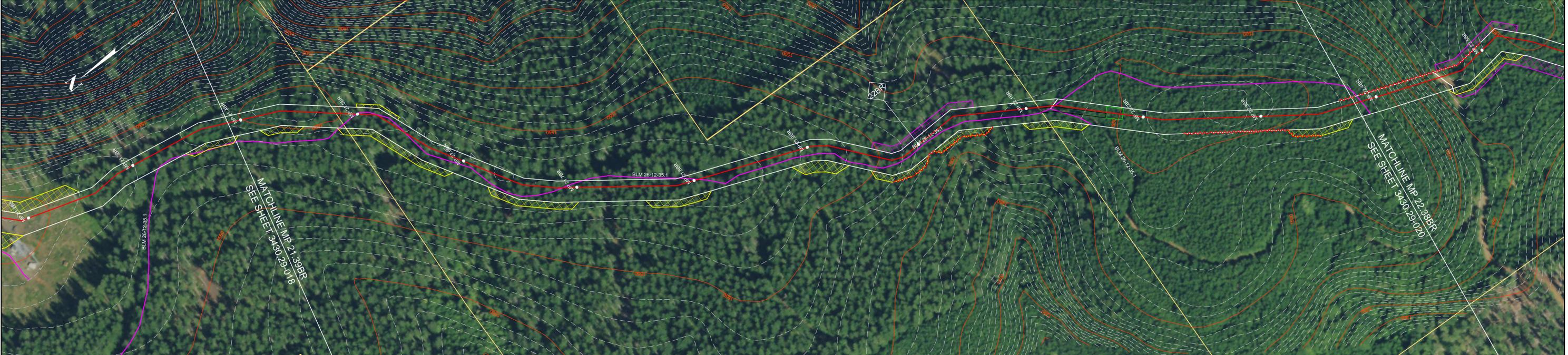
PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 20.27BR - 21.39BR
COOS COUNTY, OREGON

DRAWN BY: EE DATE: AUG-2019 ISSUED FOR BID: 24x36 SCALE: 1 Inch = 200 Feet
 CHECKED BY: EE DATE: AUG-2019 ISSUED FOR CONSTRUCTION: 11x17 SCALE: 1 Inch = 450 Feet
 APPROVED BY: EE DATE: AUG-2019 DRAWING NUMBER: 3430.29-018 SHEET 18 OF 226

Legal Location	T26S, R12W, Section 35	T27S, R12W, Section 2	Legal Location
Ownership / Management	CO-045.125	CO-045.126	CO-045.124
Jurisdiction	BLM - COOS BAY DISTRICT		COOS COUNTY
Federal Landuse Allocation	3b		
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody			
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk			
Hydrostatic Test Water Release / Aboveground Facilities / Residential			BVA #2
Survey Status (wetlands as of July 2017)			



- NOTES:**
- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
 - In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
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 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
 - Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Windrow (SPW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Esthetic Management Area
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8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

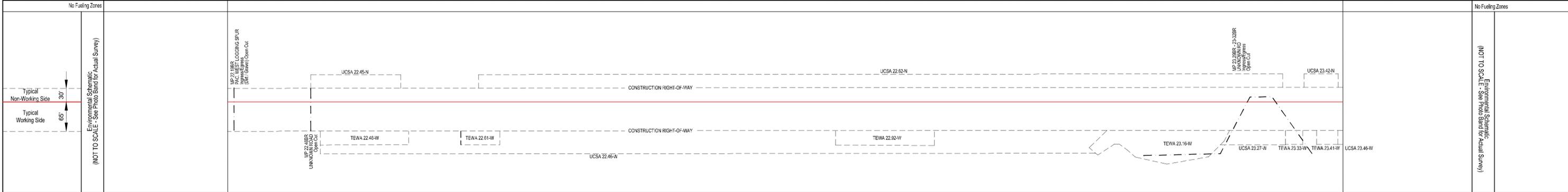
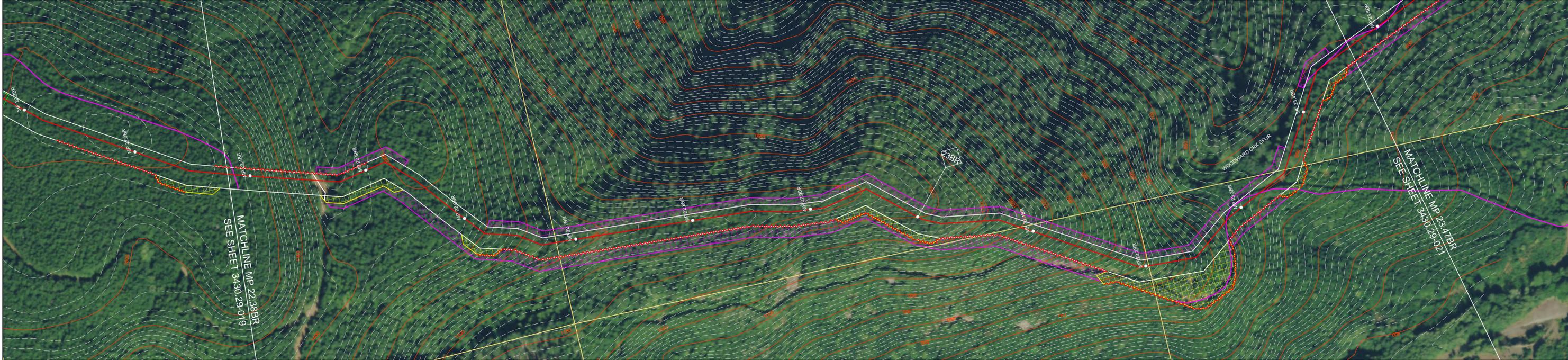
PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 21.39BR - 22.38BR
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-019	SHEET 19 OF 226

Legal Location	T27S, R12W, Section 2	T27S, R12W, Section 11	T27S, R12W, Section 10	T27S, R12W, Section 11	Legal Location
Ownership / Management	CO-045.127	CO-045.128	CO-045.129	CO-045.130	Ownership / Management
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	COOS COUNTY	BLM - COOS BAY DISTRICT	Jurisdiction
Federal Landuse Allocation		3b		3b	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody					Wetland / Waterbody
Crossing Method / Instream Construction Window					Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))				Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk					Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential					Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)					Survey Status (wetlands as of July 2017)



- NOTES:**
- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
 - In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the trench line, except in areas where standing water or saturated soils are present.
 - In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
 - Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
 - If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
 - Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Windrow (SPW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Esthetic Management Area
6 - Harvest Land Base (Unopen-Aged Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)
8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

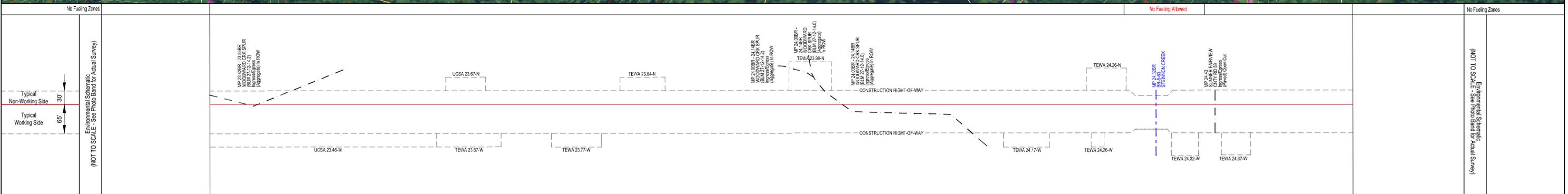
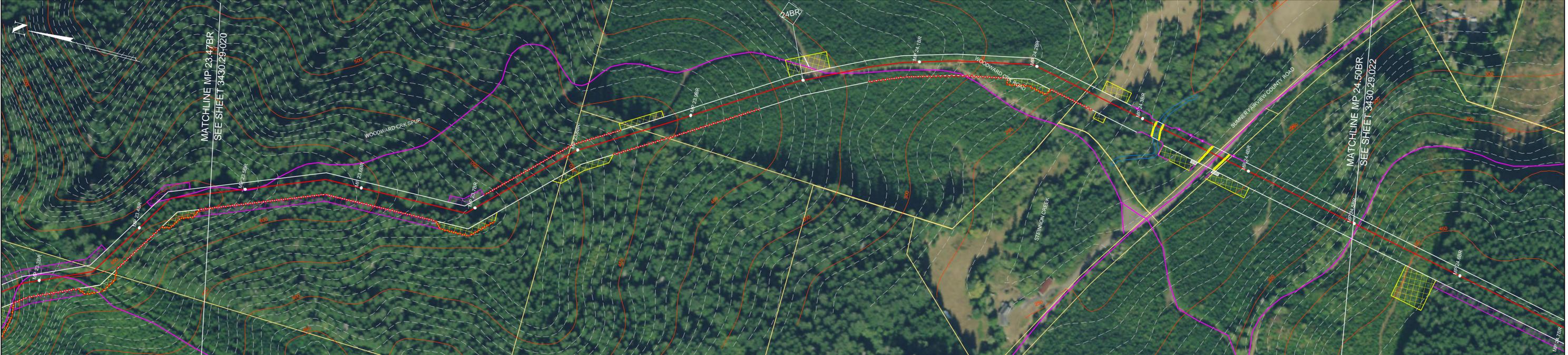
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 22.38BR - 23.47BR
COOS COUNTY, OREGON**

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-020	SHEET 20 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	T27S, R12W, Section 11	T27S, R12W, Section 14	Legal Location
Ownership / Management	CO-045.128	CO-045.132	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT	COOS COUNTY	Jurisdiction
Federal Landuse Allocation	3c		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody		STEINNON CREEK	Wetland / Waterbody
Crossing Method / Instream Construction Window		DRY OPEN CUT / JULY 1 - SEPT 15	Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)			Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)			Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the trench line, except in areas where standing water or saturated soils are present.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
- If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

Proposed Pipeline	Tax Parcel Boundaries
Construction Right-of-Way	Wetland
Temporary Construction Right-of-Way (Shown white on photography)	Stream
Temporary Extra Work Area	Access Road
Uncleared Storage Area	Permanent / Temporary Access Road (PAR / TAR)
Pipe Yard	Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
Aboveground Facility	Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
Rock Source/Disposal	Silt Fence (SF)
	Safety Fence (SAF)
	Slash Filter Windrow (SPW)
	Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)
2b - District Designated Reserve (Non-Forest)
3a - Late-Successional Reserve (Dry Forest)
3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)
4b - Riparian Reserve (Moist Forest)
5 - Esthetic Management Area
6 - Highest Land Base (Unshaded Timber Area)
7 - Highest Land Base (Low Intensity Timber Area)
8 - Highest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low
2-Low
3-Moderate
4-High
5-Very High

REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

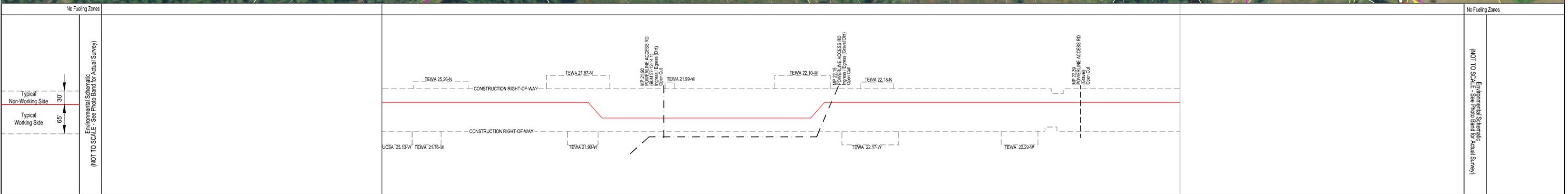
PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 23.47BR TO 24.50BR
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-021	SHEET 21 OF 226

Legal Location	SEC 23, T27S, R12W			SEC 24, T27S, R12W			Legal Location
Ownership / Management	CO-127.000	CO-128.000	CO-129.000	CO-131.000	Ownership / Management		
Jurisdiction	BLM - COOS BAY DISTRICT			COOS COUNTY			Jurisdiction
Federal Landuse Allocation	8			Federal Landuse Allocation			
Areas of High Groundwater (Potential Trench Dewatering)				Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody				Wetland / Waterbody			
Crossing Method / Instream Construction Window				Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)				Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk	2 1 2			Topsoil Salvage / Federal Lands Soil Risk			
Hydrostatic Test Water Release / Aboveground Facilities / Residential				Hydrostatic Test Water Release / Aboveground Facilities / Residential			
Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL / WETLAND)			ACCESS DENIED (WETLAND)			Survey Status (wetlands as of July 2017)



NOTES:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
- In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.
- Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
- If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

<ul style="list-style-type: none"> Proposed Pipeline Construction Right-of-Way <ul style="list-style-type: none"> Temporary Construction Right-of-Way (Shown white on photography) Temporary Extra Work Area Uncleared Storage Area Pipe Yard Aboveground Facility Rock Source/Disposal 	<ul style="list-style-type: none"> Tax Parcel Boundaries Wetland Stream Access Road Permanent / Temporary Access Road (PAR / TAR) Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions. <ul style="list-style-type: none"> Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC) Silt Fence (SF) Safety Fence (SAF) Slash Filter Window (SPW) Construction Entrance Pad (CE)
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BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Forest)	3a - Late-Successional Reserve (Dry Forest)	4a - Riparian Reserve (Dry Forest)	4b - Riparian Reserve (Moist Forest)	5 - Establisement Management Area	6 - Harvest Land Base (Unopen-Aged Timber Area)	7 - Harvest Land Base (Low Intensity Timber Area)	8 - Harvest Land Base (Moderate Intensity Timber Area)
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FEDERAL LANDS SOIL RISK SENSITIVITY RANK

1-Very Low	2-Low	3-Moderate	4-High	5-Very High
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REVISIONS

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE

Scale: 200 0 200 400 FEET

PUBLIC

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 25.53BR TO 22.49
COOS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-023	SHEET 23 OF 226

Pacific Connector
GAS PIPELINE