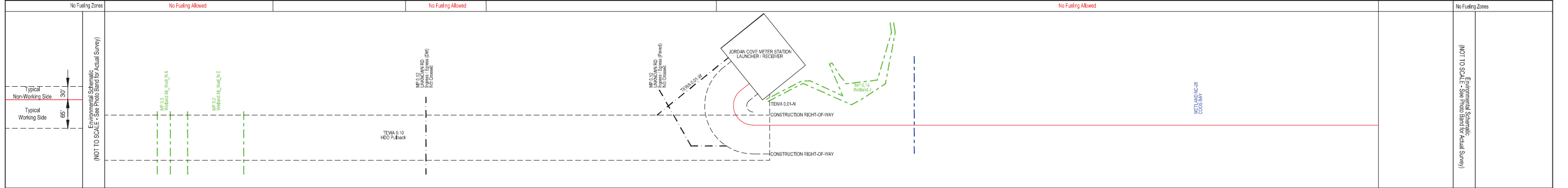

APPENDIX C

Pipeline Route Maps

Legal Location	SEC 4, T2S, R13W (Mineral Lease No: 29902-0G)	SEC 3, T2S, R13W		Legal Location
Ownership / Management	CO-009.000	CO-010.000	CO-010.002	CO-011.000
Jurisdiction	COOS COUNTY			Jurisdiction
Federal Land Use Allocation				Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	All Wet NA	All Wet NE		NE-026 HDD
Crossing Method / Instream Construction Window	NONE			PEREGRINE FALCON (JANUARY 1 - JULY 31 (No Activity))
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)	BVA #1 JORDAN COVE METER STATION & LAUNCHER / RECEIVER AND HYDROSTATIC TEST HEADER			



MATCHLINE MP 0.68
SEE SHEET 3430.29-002



- 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 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Estacion Management Area						
6 - Harvest Land Base (Unser-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

Scale: 0 to 400 FEET

PUBLIC

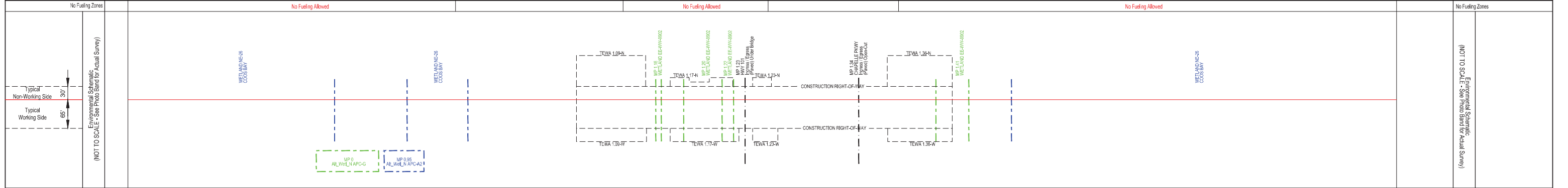
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #1
MP 0.00 TO 0.68
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: 3430.29-001	SHEET 1 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T2S, R13W										Legal Location
Ownership / Management	CO-011.000	CO-011.059	CO-011.081	CO-011.059	CO-011.045		CO-011.058	CO-011.080	CO-011.145	Ownership / Management	
Jurisdiction											Jurisdiction
Federal Landuse Allocation											Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)											Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	NE-026		NE-026	Wetland EE-WW-9902	Wetland EE-WW-9902	Wetland EE-WW-9902	Wetland EE-WW-9902		NE-026		
Crossing Method / Instream Construction Window	HDD		HDD						HDD		
Biological Seasonal Construction Window (as of September 2017)	PEREGRINE FALCON (JANUARY 1 - JULY 31)										Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	NONE										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)



PUBLIC

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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LEGEND

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

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

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.		
2	Sept-2017	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE		

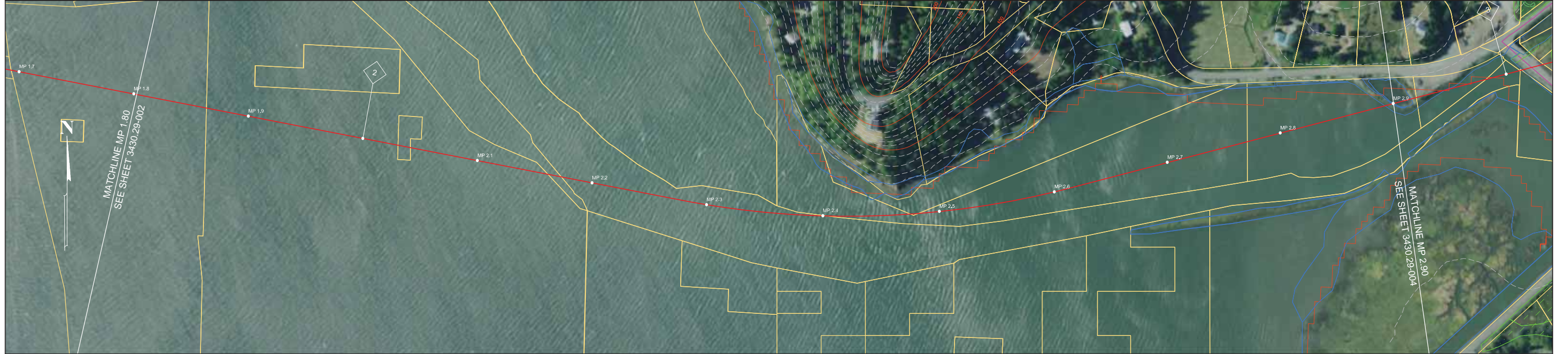
FEDERAL LANDS SOIL RISK SENSITIVITY RANK	
1-Very Low	2-Moderate
3-Moderate	4-High
5-Very High	

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

SPREAD #1
MP 0.68 TO 1.80
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: 3430.29-002	SHEET 2 OF 226

Legal Location									Legal Location
Ownership / Management	CO-011.145	CO-011.083	CO-011.084	CO-011.083	CO-011.082	CO-011.000	CO-026.105	CO-026.104	Ownership / Management
Jurisdiction									Jurisdiction
Federal Landuse Allocation									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)	PEREGRINE FALCON (JANUARY 1 - JULY 31)								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 Survey Status (wetlands as of July 2017)	NONE								Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)



No Fueling Zones			No Fueling Zones
Typical Non-Working Side	30'	Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)	Typical Working Side
Typical Working Side	65'		Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)

NOTES:

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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (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				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE	EE	EE

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

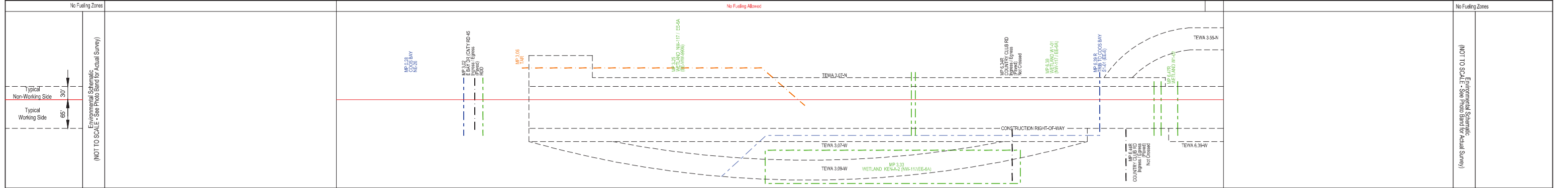
PUBLIC

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

**SPREAD #1
MP 1.80 TO 2.90
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: 3430.29-003	SHEET 3 OF 226

Legal Location		SEC 12, T25S, R13W	SEC 1, T25S, R13W	SEC 6, T25S, R13W	SEC 6, T25S, R13W	Legal Location
Ownership / Management	CO-026.104 CO-026.124 CO-011.000	CO-026.103	CO-026.001	CO-026.000	CO-026.000	Ownership / Management
Jurisdiction	COOS COUNTY					Jurisdiction
Federal Land Use Allocation	JAN - DEC					Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	EE-6A					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	EE-6A Trib to Coos Bay W1-02					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.
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LEGEND

- Proposed Pipeline
- 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.
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- Construction Entrance Pad (CE)
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- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

BLM LANDUSE - 2016 RMP			
NO.	DATE	BY	DESCRIPTION
2	Sept-2017	EE	Issued for FERC Certificate Application
	Aug-2019	EE	Issued for FERC DEIS Response

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

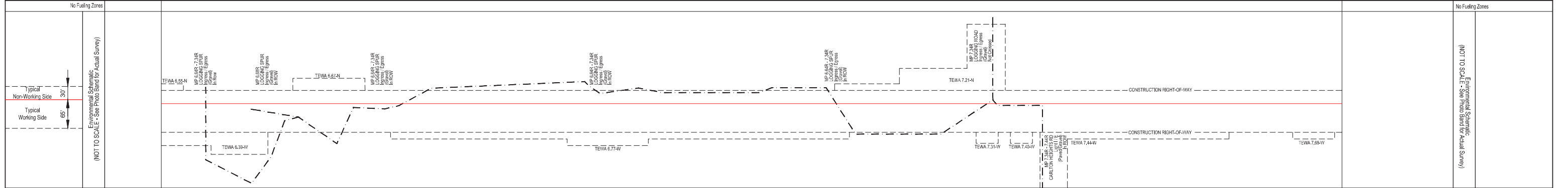
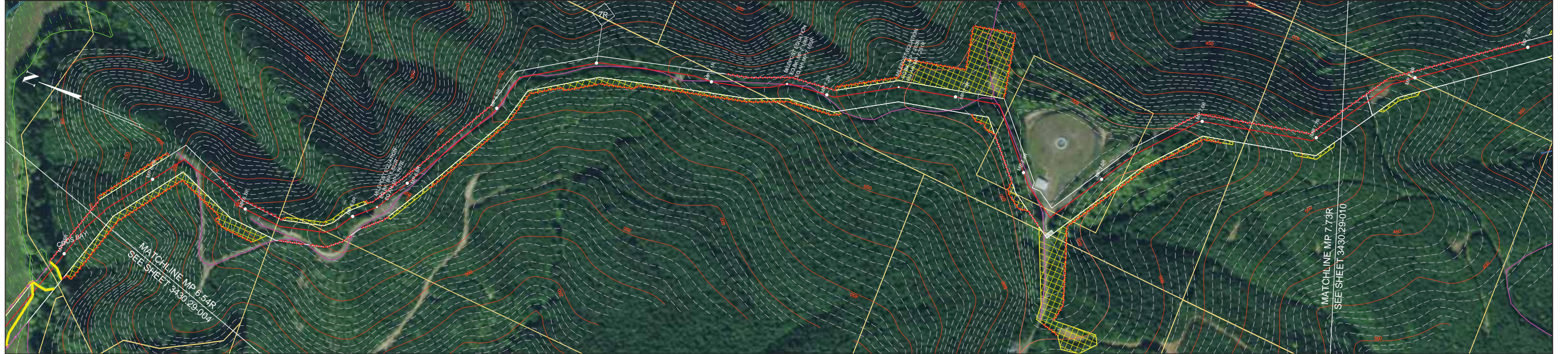
PUBLIC

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

SPREAD #1
MP 2.90 TO 6.54R
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: 3430.29-004	SHEET 4 OF 226

Legal Location	SEC 6, T2S, R12W				SEC 7, T2S, R12W				Legal Location
Ownership / Management	CO-029.000	CO-031.000	CO-031.000	CO-032.000	CO-033.000	CO-032.000	CO-034.000	Ownership / Management	
Jurisdiction	COOS COUNTY								Jurisdiction
Federal Land Use Allocation									Federal Land Use 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 (OTR))								Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	NONE								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)								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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LEGEND

- Proposed Pipeline
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

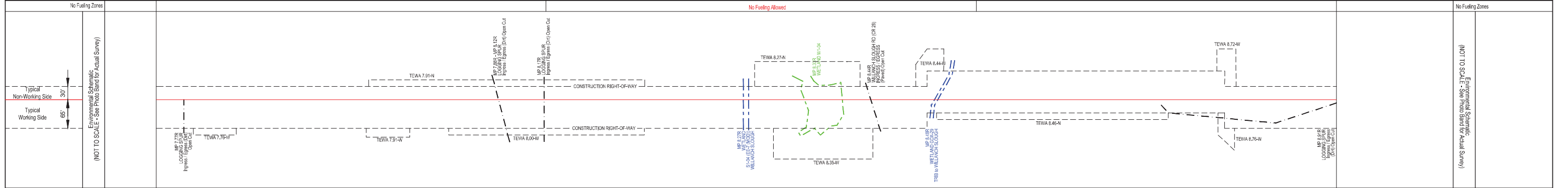
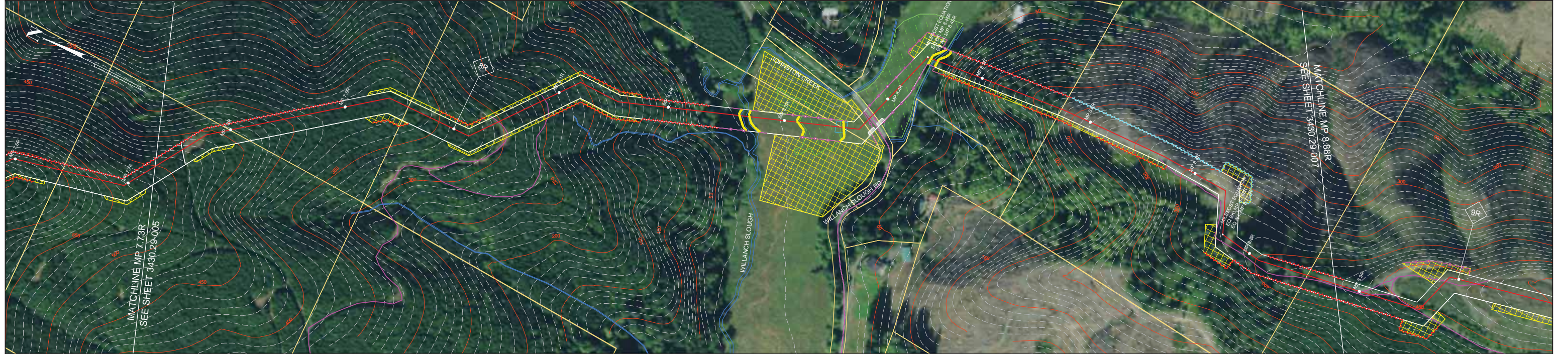
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #1 & #2
MP 6.54R TO 7.73R
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: 3430.29-005	SHEET 5 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 7, T25S, R12W		SEC 16, T25S, R12W		SEC 17, T25S, R12W		Legal Location
Ownership / Management	CO-034.000	CO-036.001	CO-036.000	CO-041.000	CO-043.000	CO-044.000	Ownership / Management
Jurisdiction	COOS COUNTY						Jurisdiction
Federal Land Use Allocation							Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)							Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	<p>Willanch slough NOW - APR Trib to Willanch Slough</p> <p>Dry Open-Cut / July 1 - Sept. 15 Wetland W1-04 Dry Open-Cut / July 1 - Sept. 15</p>						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.
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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
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- Silt Fence (SF)
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- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

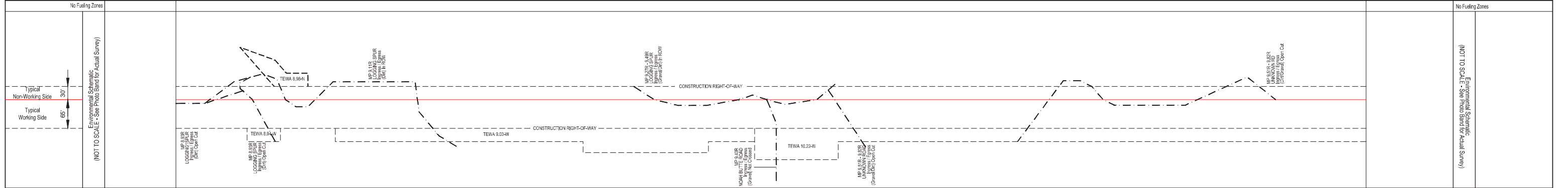
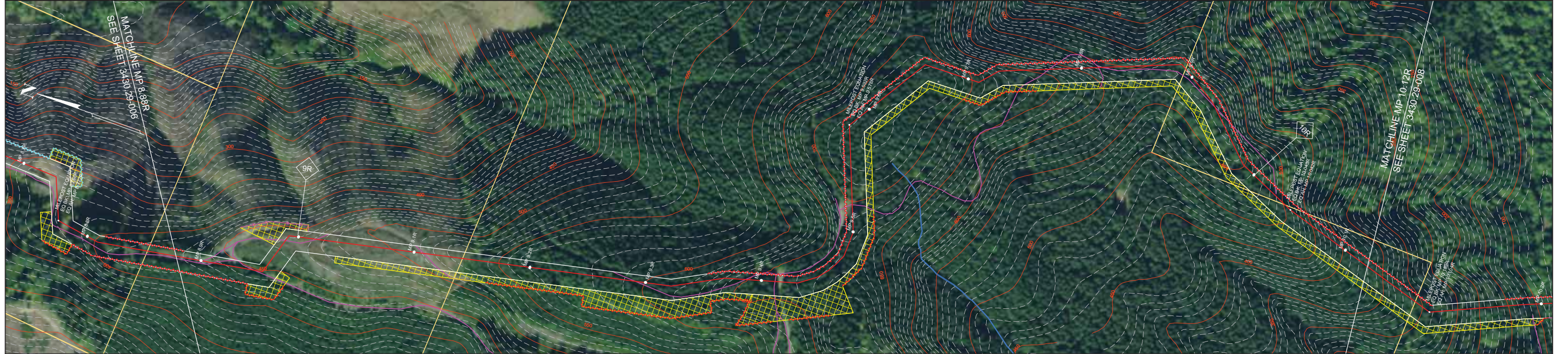
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 7.73R TO 8.88R
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: 3430.29-006	SHEET 6 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 17, T25S, R12W	SEC 20, T25S, R12W			Legal Location
Ownership / Management	CO-044.000	CO-045.000	CO-045.050	CO-045.000	Ownership / Management
Jurisdiction	COOS COUNTY				Jurisdiction
Federal Land Use Allocation					Federal Land Use 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 Survey Status (wetlands as of July 2017)	ACCESS DENIED (WETLAND)				ACCESS DENIED (WETLAND / CULTURAL)



PUBLIC

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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (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		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response		
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Establisment Management Area						
6 - Harvest Land Base (Unknow-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

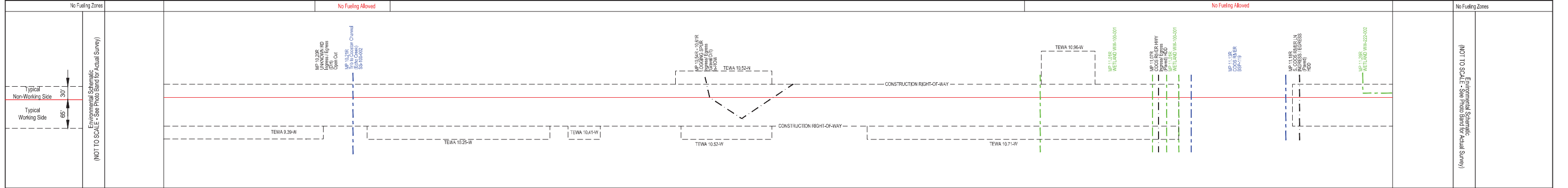
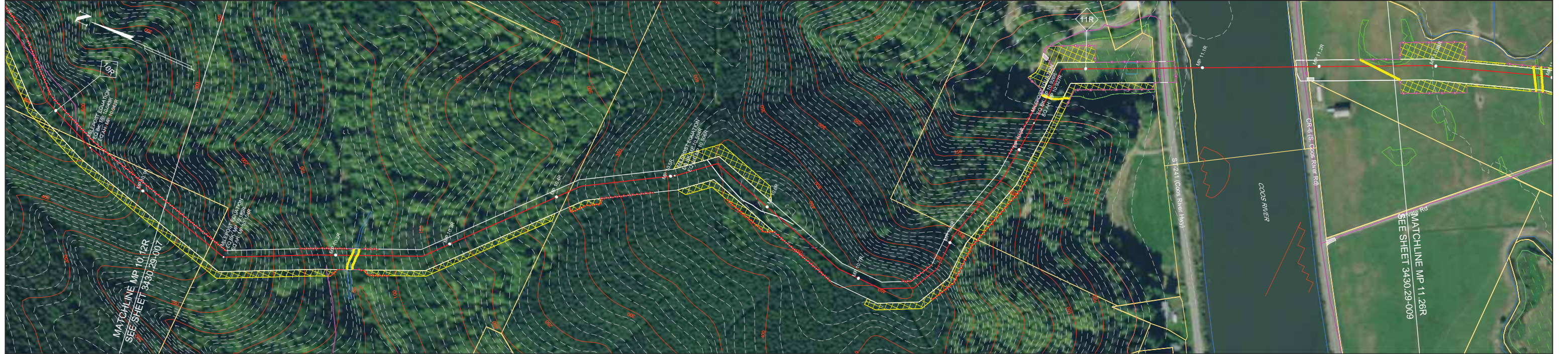
- 1-Very Low
- 2-Low
- 3-Moderate
- 4-High
- 5-Very High

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

SPREAD #2
MP 8.88R TO 10.12R
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: 3430.29-007	SHEET 7 OF 226

Legal Location	SEC 20, T25S, R12W				SEC 29, T25S, R12W				SEC 28, T25S, R12W				Legal Location
Ownership / Management	CO-045.000	CO-045.050	CO-045.051	CO-045.052	CO-045.054	CO-045.054	CO-045.055	CO-045.055	CO-045.055	CO-045.055	CO-045.055	CO-045.055	Ownership / Management
Jurisdiction	COOS COUNTY												
Federal Land Use Allocation	COOS COUNTY												
Areas of High Groundwater (Potential Trench Dewatering)	<div style="display: flex; justify-content: space-between;"> Wetland / Waterbody Wetland / Waterbody </div>												
Wetland / Waterbody	Trib. to Cooscon Channel				JAN - DEC				NOV - APR				
Crossing Method / Instream Construction Window	Dry Open Cut / Jul. 1 - Sep. 15				WW-103-001				WW-103-001				
Biological Seasonal Construction Window (as of September 2017)	Dry Open Cut / Jul. 1 - Sep. 15				Coos River (BSP-119)				HDD / Oct. 1 - Feb. 15 (see note 8)				
Topsoil Salvage / Federal Lands Soil Risk	<div style="display: flex; justify-content: space-between;"> Topsoil Salvage / Federal Lands Soil Risk Topsoil Salvage / Federal Lands Soil Risk </div>												
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	<div style="display: flex; justify-content: space-between;"> Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017) Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017) </div>												



- 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

BLM LANDUSE - 2016 RMP

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

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	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

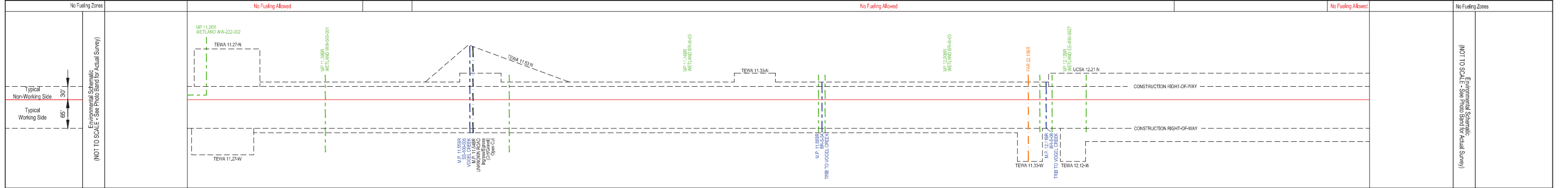
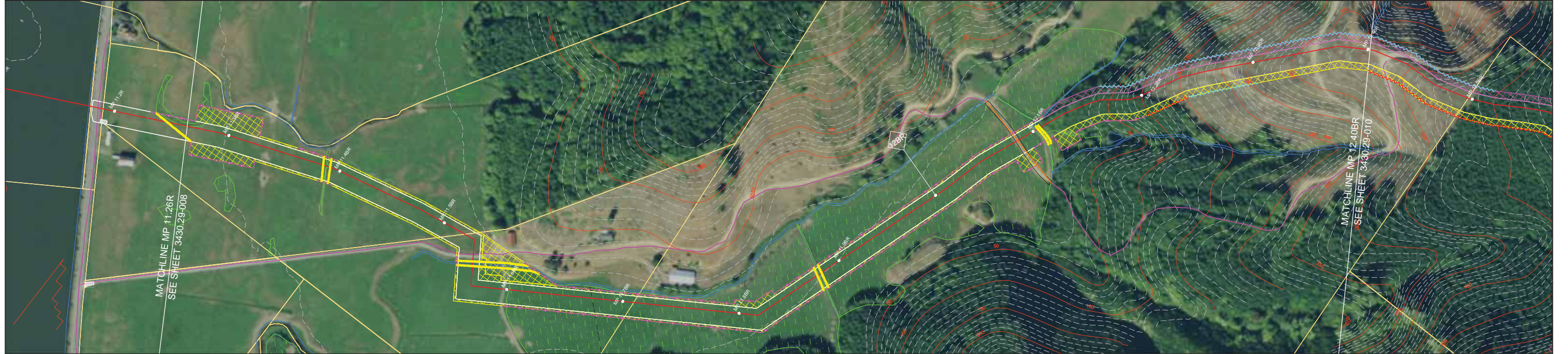
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 10.12R TO 11.26R
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: 3430.29-008	SHEET 8 OF 226

Pacific Connector
GAS PIPELINE

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 Land Use Allocation							Federal Land Use 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	BRW-03	Trib To Vogel Creek	BRW-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.
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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
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 to 400 FEET

PUBLIC

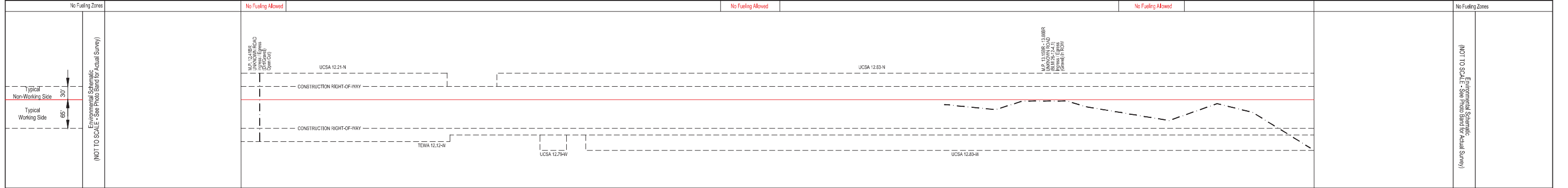
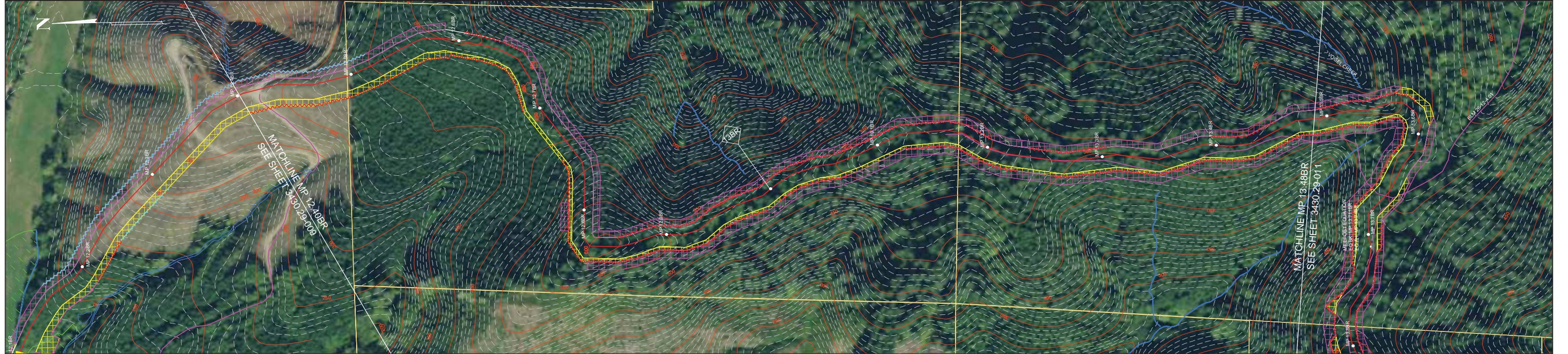
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**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

Pacific Connector
GAS PIPELINE

Legal Location	T25S, 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	
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									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.
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LEGEND

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

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

BLM LANDUSE - 2016 RMP		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

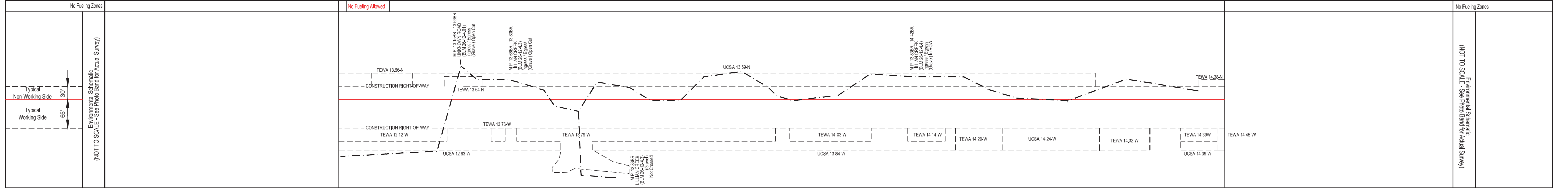
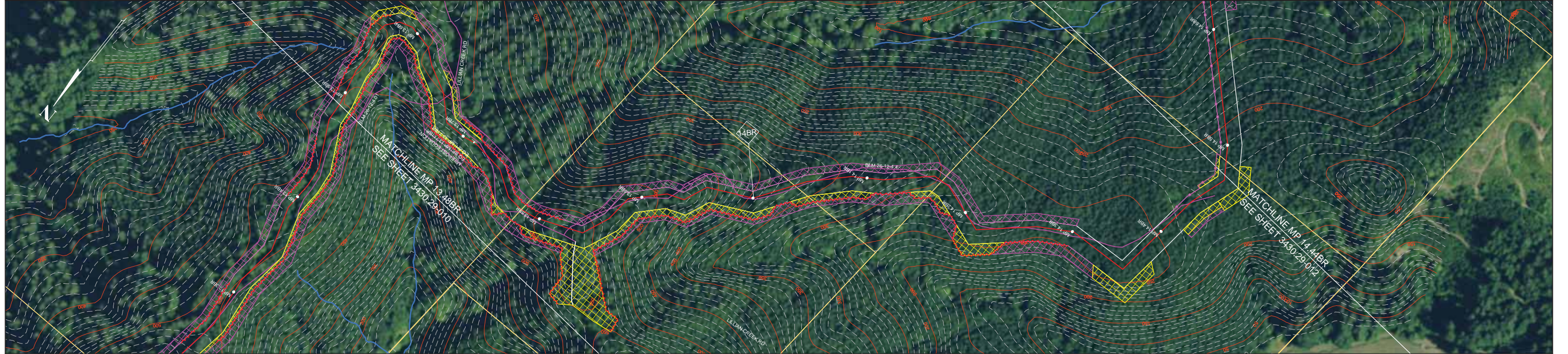
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**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		COOS COUNTY		Jurisdiction
Federal Land Use Allocation	3c	2a	8	2b	3b
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to Stock Slough				Wetland / Waterbody
Crossing Method / Instream Construction Window	MARBLED 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.
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- Right-of-way grading or vegetation clearing will occur as necessary.
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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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS			
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (No-Forest)	2	Sept-2017	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estabio Management Area					
6 - Harvest Land Base (Unrover-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

Scale: 200 0 200 400 FEET

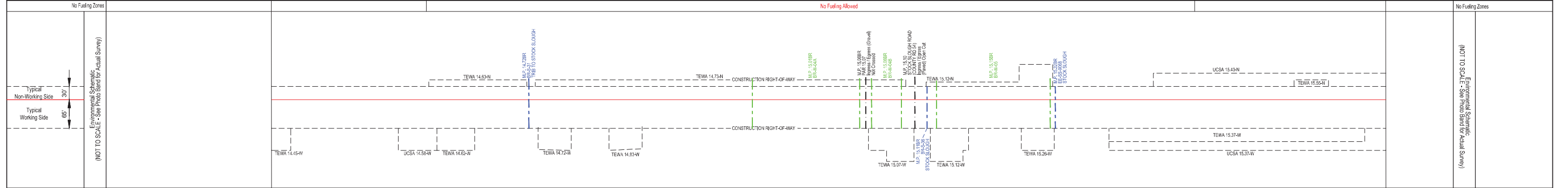
PUBLIC

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	STOCK SLOUGH RD COUNTY 54 CO-045.109	CO-045.110	CO-045.112	CO-045.113	Ownership / Management	
Jurisdiction	COOS COUNTY								
Federal Land Use Allocation									
Areas of High Groundwater (Potential Trench Dewatering)									
Wetland / Waterbody	Trib to Stock Slough								
Crossing Method / Instream Construction Window	DRY OPEN CUT / JULY 1 - SEPT 15								
Biological Seasonal Construction Window (as of September 2017)									
Topsoil Salvage / Federal Lands Soil Risk	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTR))								
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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 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 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 - Estabulo Management Area	6 - Harvest Land Base (Unsero-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	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

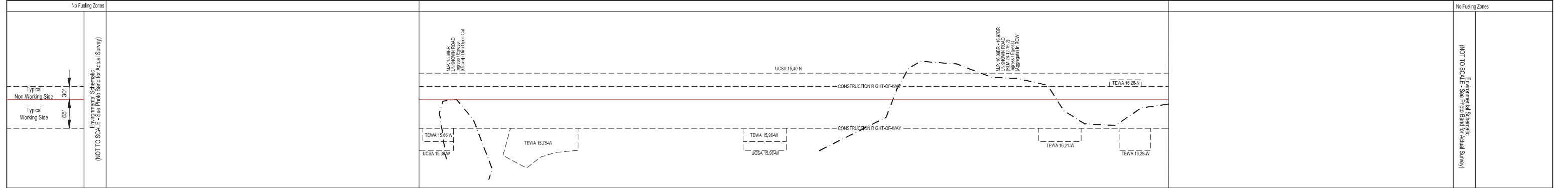
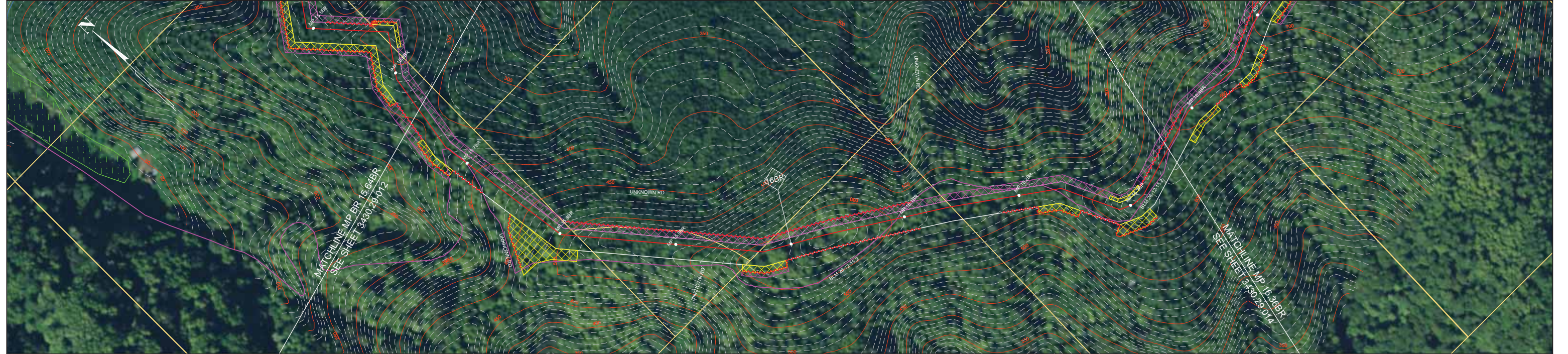
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 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			Ownership / Management	
Jurisdiction	COOS COUNTY				BLM - COOS BAY DISTRICT				Jurisdiction
Federal Landuse Allocation		2a	2b	2a				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								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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP		REVISIONS			
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estuaries Management Area					
6 - Harvest Land Base (Unserp-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

PUBLIC

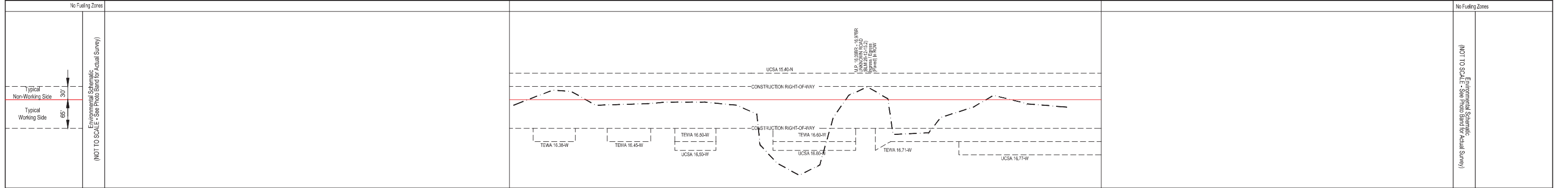
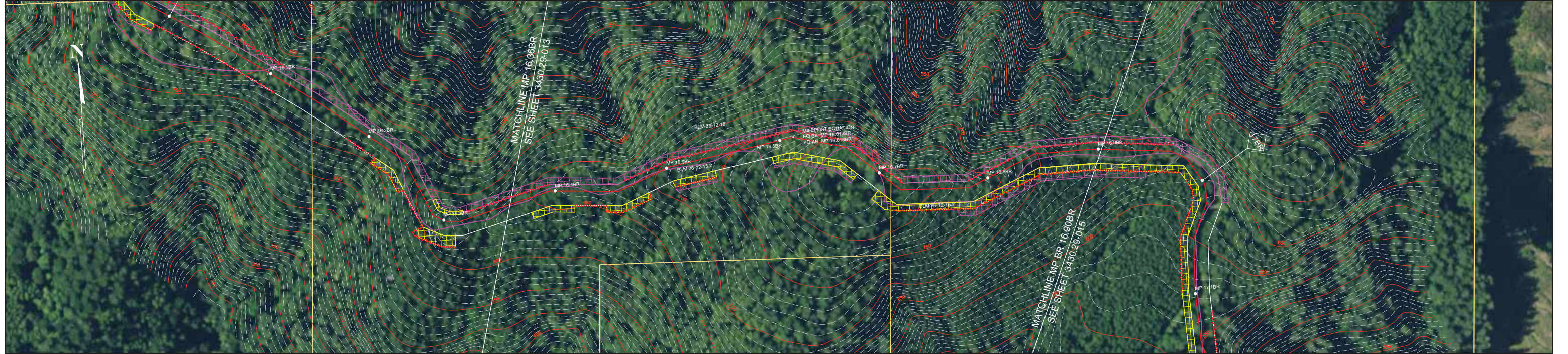
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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)	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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0, 200, 400 FEET

PUBLIC

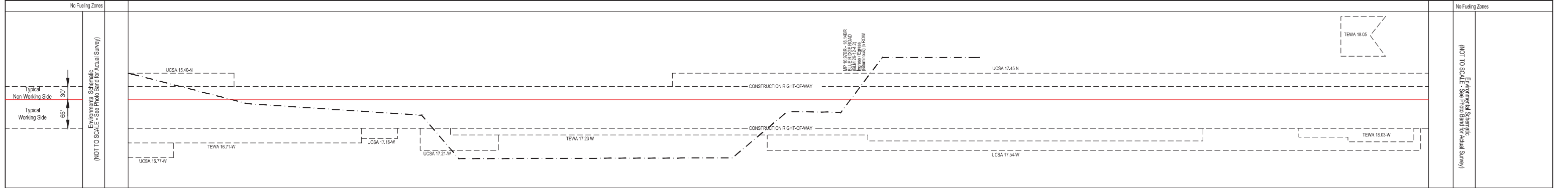
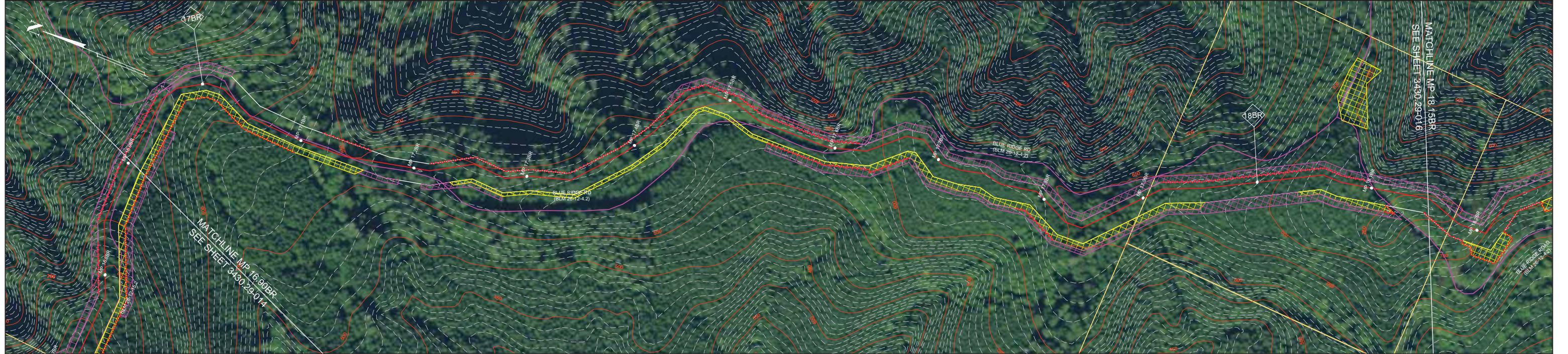
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

Legal Location	T26S, R12W, Section 15		T26S, R12W, Section 22		Legal Location
Ownership / Management	CO-045.118		CO-045.118		Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT		COOS COUNTY		Jurisdiction
Federal Land Use Allocation	3b	4b	3b		Federal Land Use 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	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTR))				Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)					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.
- 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
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE	Aug-2019	Issued for FERC DEIS Response

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

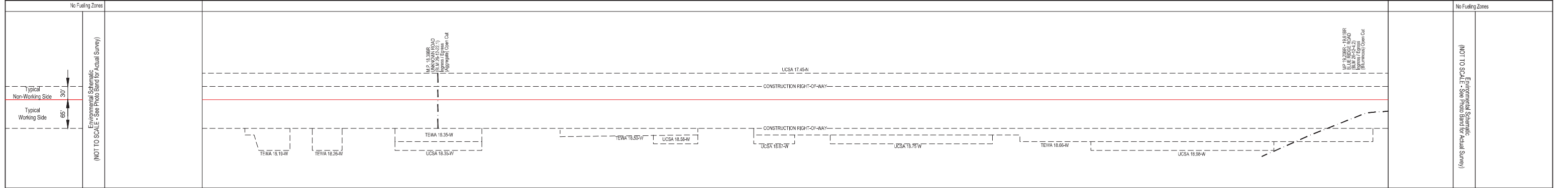
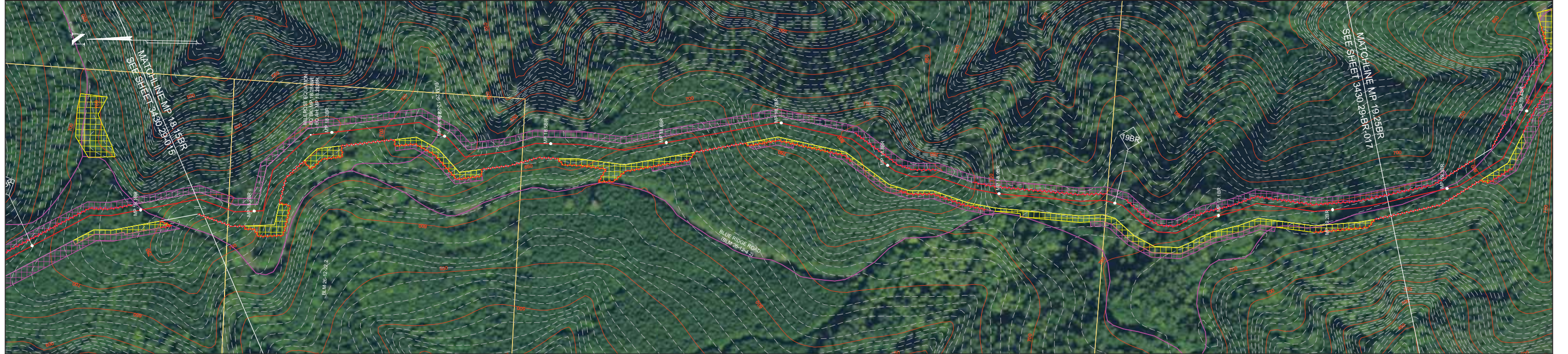
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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)				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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- 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE	Aug-2019	Issued for FERC DEIS Response

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0, 200, 400 FEET

PUBLIC

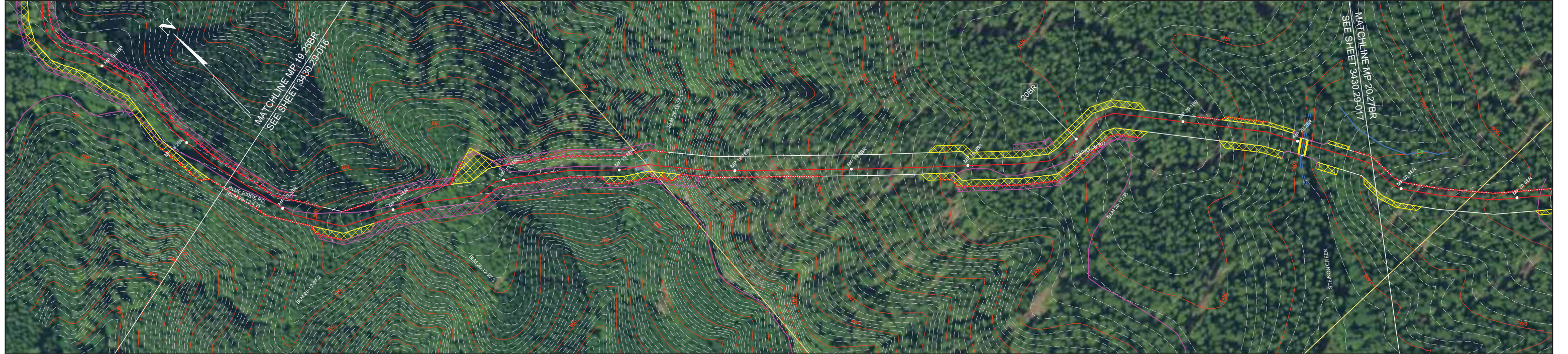
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

CHECKED 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	4c	3b	4c	3b	4b	3c	4c	3c
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody									Trib to Steinnor Creek
Crossing Method / Instream Construction Window									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 Survey Status (wetlands as of July 2017)									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.
 - 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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 - 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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 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFW)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	CHK.	APP.
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE	EE	EE

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0, 200, 400 FEET

PUBLIC

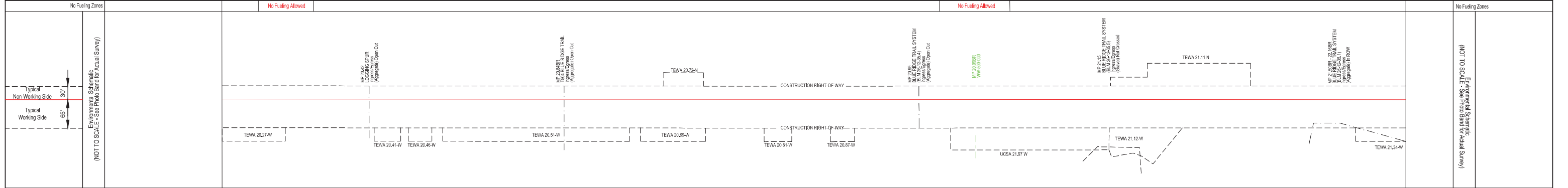
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

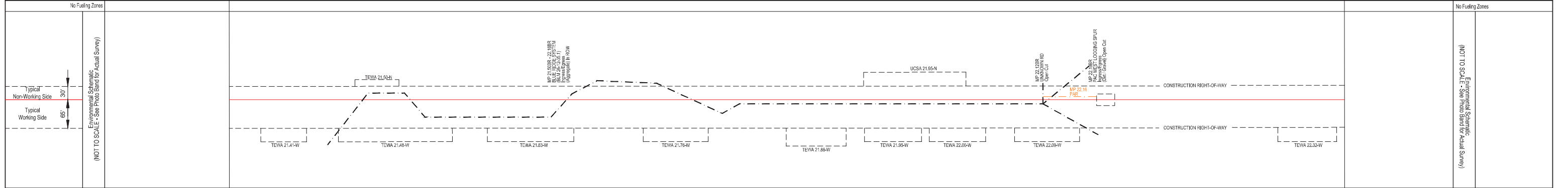
Pacific Connector
GAS PIPELINE

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		
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)	MARBLE 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)



<p>NOTES:</p> <ol style="list-style-type: none"> 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. 	<p>LEGEND</p> <p>Proposed Pipeline</p> <p>Construction Right-of-Way</p> <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 <p>Tax Parcel Boundaries</p> <p>Wetland</p> <p>Stream</p> <p>Access Road</p> <p>Permanent / Temporary Access Road (PAR / TAR)</p> <p>Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.</p> <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 (SFV) Construction Entrance Pad (CE) 	<p>BLM LANDUSE - 2016 RMP</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>CHK.</th> <th>APP.</th> </tr> <tr> <td>2</td> <td>Sept-2017</td> <td>EE</td> <td>Issued for FERC Certificate Application</td> <td>EE</td> <td>EE</td> </tr> <tr> <td></td> <td>Aug-2019</td> <td>EE</td> <td>Issued for FERC DEIS Response</td> <td>EE</td> <td>EE</td> </tr> </table> <p>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</p> <ul style="list-style-type: none"> 1-Very Low 2-Low 3-Moderate 4-High 5-Very High 	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	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>CHK.</th> <th>APP.</th> </tr> <tr> <td>2</td> <td>Sept-2017</td> <td>EE</td> <td>Issued for FERC Certificate Application</td> <td>EE</td> <td>EE</td> </tr> <tr> <td></td> <td>Aug-2019</td> <td>EE</td> <td>Issued for FERC DEIS Response</td> <td>EE</td> <td>EE</td> </tr> </table> <p>Scale: 200 0 200 400 FEET</p>	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	<p>PUBLIC</p> <p>PACIFIC CONNECTOR GAS PIPELINE PROJECT PACIFIC CONNECTOR GAS PIPELINE, LP ENVIRONMENTAL ALIGNMENT</p> <p>SPREAD #2 MP 20.27BR - 21.39BR COOS COUNTY, OREGON</p> <p>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</p>
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																																			
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																																			

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	30		
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 Survey Status (wetlands as of July 2017)			BVA #2



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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (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				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

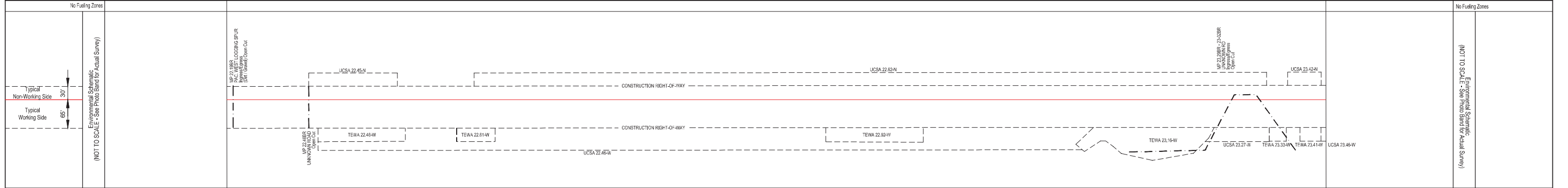
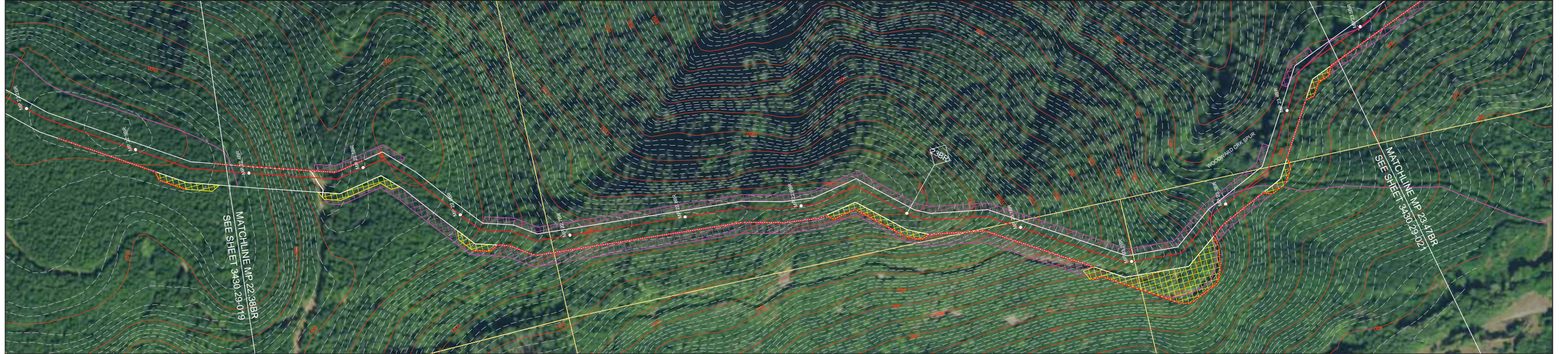
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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 Land Use Allocation		3b		3b	Federal Land Use 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:

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LEGEND

- Proposed Pipeline
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

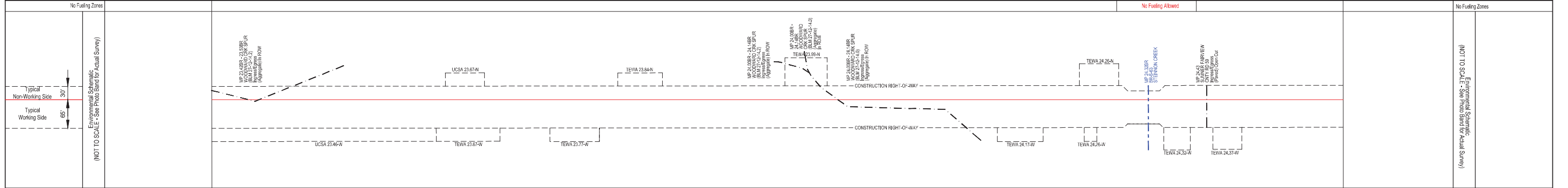
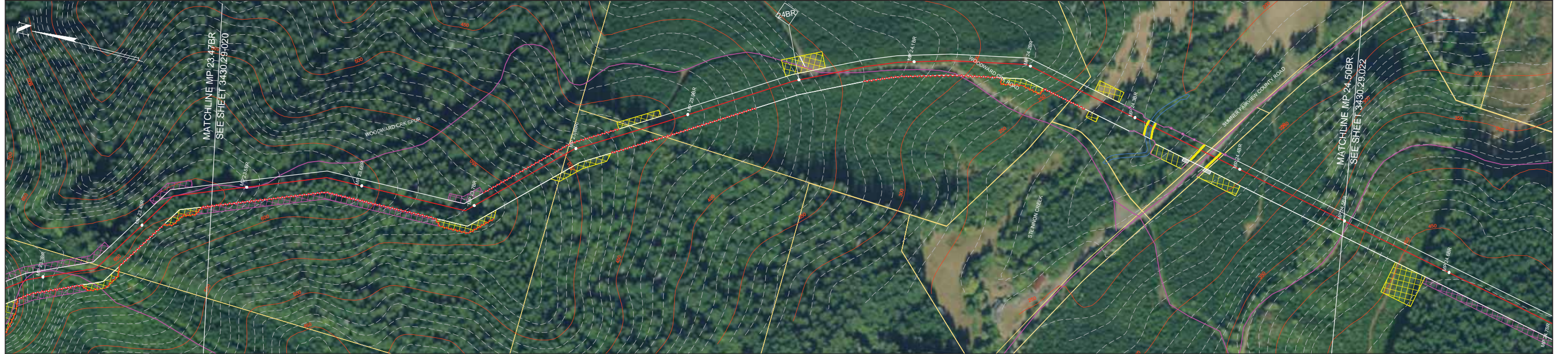
PUBLIC

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

Legal Location	T27S, R12W, Section 11		T27S, R12W, Section 14		Legal Location
Ownership / Management	CO-045.128	CO-045.131	CO-045.132	CO-045.133	CO-127.010
Jurisdiction	BLM - COOS BAY DISTRICT		COOS COUNTY		Jurisdiction
Federal Land Use Allocation	3c				Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			STENNON 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 Survey Status (wetlands as of July 2017)					Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)



NOTES:

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LEGEND

- Proposed Pipeline
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

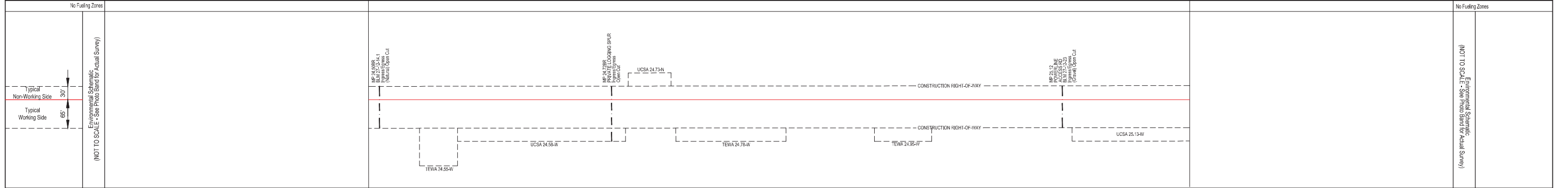
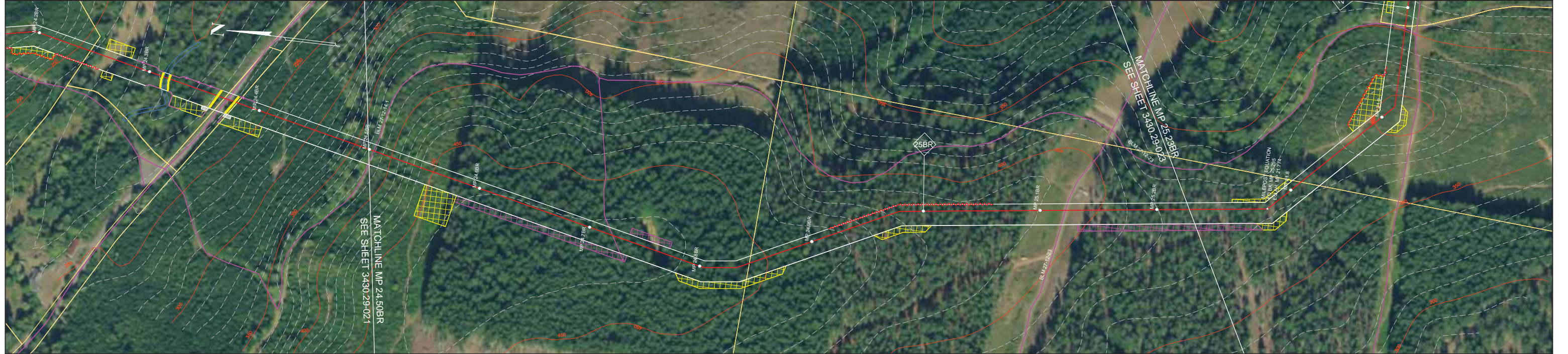
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

Legal Location	T7S, R12W, Section 14	T7S, R12W, Section 23	Legal Location
Ownership / Management	COO-127.010	CO-127.000	Ownership / Management
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	Jurisdiction
Federal Land Use Allocation			Federal Land Use 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			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	unknown	1 2 1 2	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
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- 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 Window (SFV)
- Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

- 1-Very Low
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- 4-High
- 5-Very High

Scale: 200 0 200 400 FEET

PUBLIC

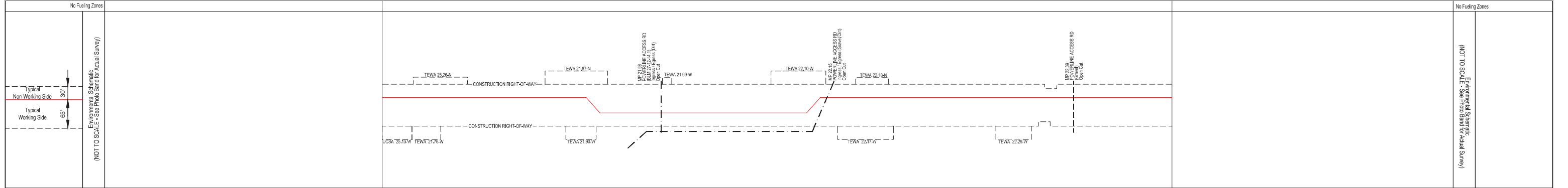
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 24.50 TO 25.23BR
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: 3430.29-022	SHEET 22 OF 226

Pacific Connector
GAS PIPELINE

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 Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL / WETLAND)			ACCESS DENIED (WETLAND)	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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Estuaries Management Area						
6 - Harvest Land Base (Unmatured 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
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- 3-Moderate
- 4-High
- 5-Very High

Scale: 200 0 200 400 FEET

PUBLIC

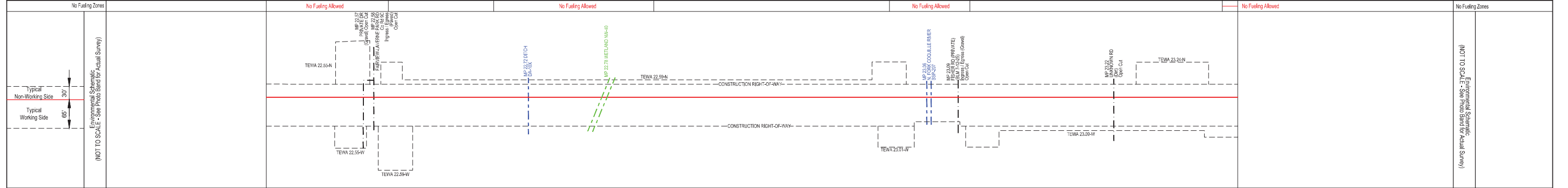
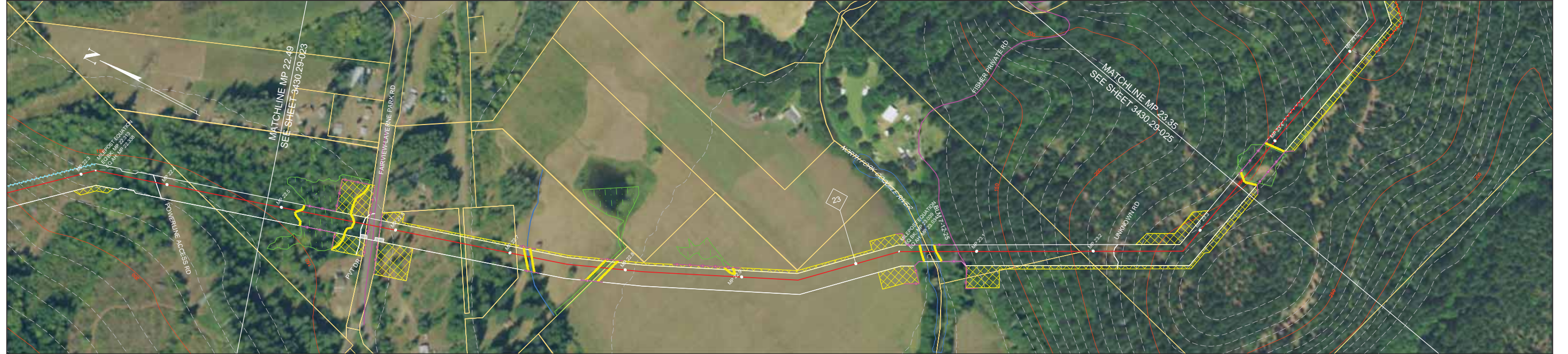
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Legal Location	SEC 24, T27S, R12W	SEC 25, T27S, R12W	Legal Location
Ownership / Management	CO-131.000 CO-133.000 CO-134.000 CO-133.000 CO-135.000	CO-136.000 CO-141.000 CO-142.000 CO-143.000	Ownership / Management
Jurisdiction	COOS COUNTY		BLM - COOS BAY DISTRICT
Federal Land Use Allocation			3b
Areas of High Groundwater (Potential Trench Dewatering)	OCT - MAY		
Wetland / Waterbody	Ditch NW-40	N Fr Coquille River	
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15	Dry Open-Cut / July 1 - Sept. 15	
Biological Seasonal Construction Window (as of September 2017)	MARBLD MURRELET (APRIL 1 - AUGUST 5 (DTRs))		
Topsoil Salvage / Federal Lands Soil Risk			2 1 1/2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	ACCESS DENIED (WETLAND)		



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
- 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 Window (SFW)
- Construction Entrance Pad (CE)
- 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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

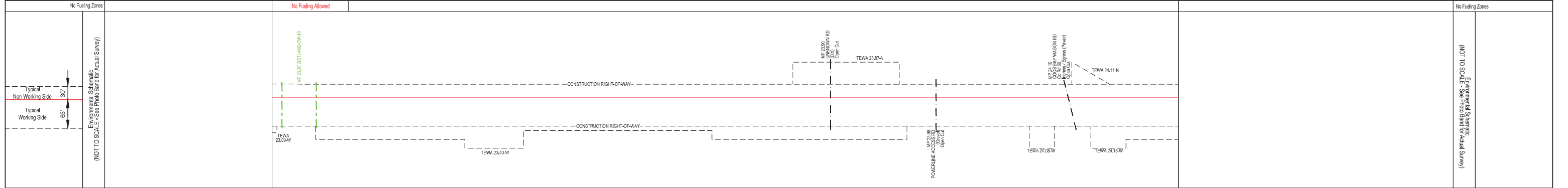
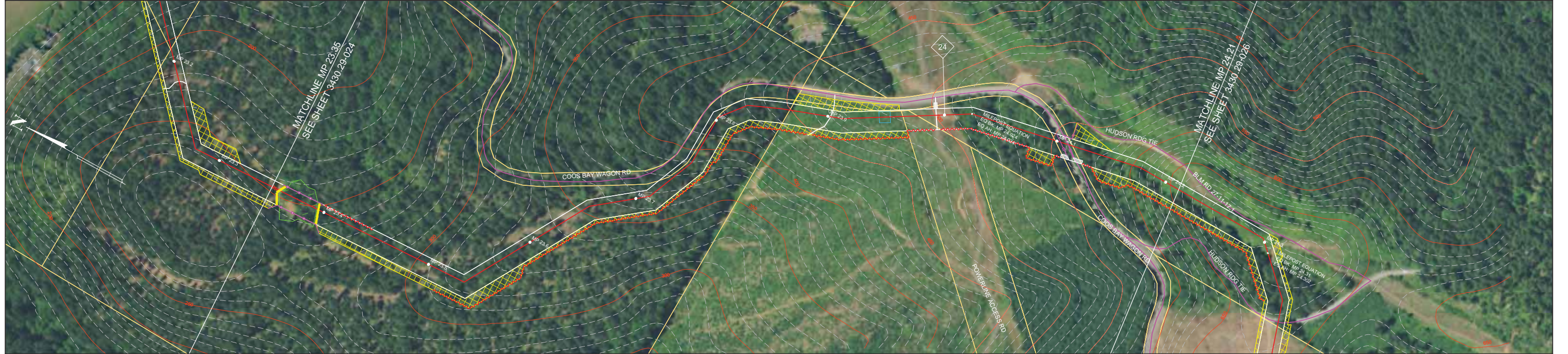
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 22.49 TO 23.35
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: 3430.29-024	SHEET 24 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 25, T27S, R12W			SEC 30, T27S, R11W		SEC 19, T27S, R11W			Legal Location	
Ownership / Management	CO-143.000			CO-144.000	CO-146.000	CO-146.000	CO-146.000	Ownership / Management		
Jurisdiction	BLM - COOS DISTRICT			COOS COUNTY		BLM - COOS DISTRICT			Jurisdiction	
Federal Landuse Allocation	3b			4b	3b	3b			Federal Landuse Allocation	
Areas of High Groundwater (Potential Trench Dewatering)	CW-10									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	2	1	2	1	2	1	2	2	Topsoil Salvage / Federal Lands Soil Risk	
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	HYDROSTATIC TEST									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.
- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

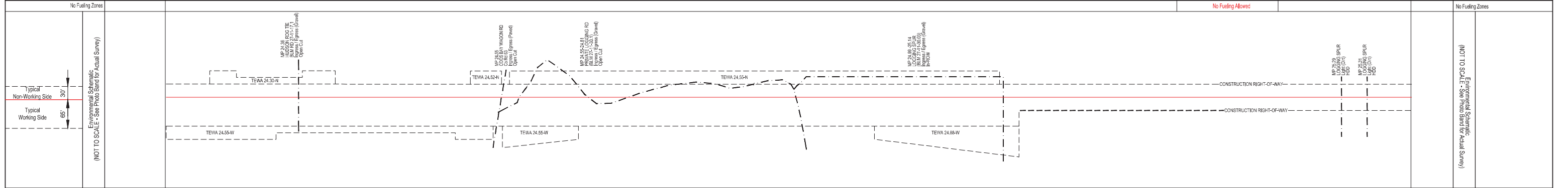
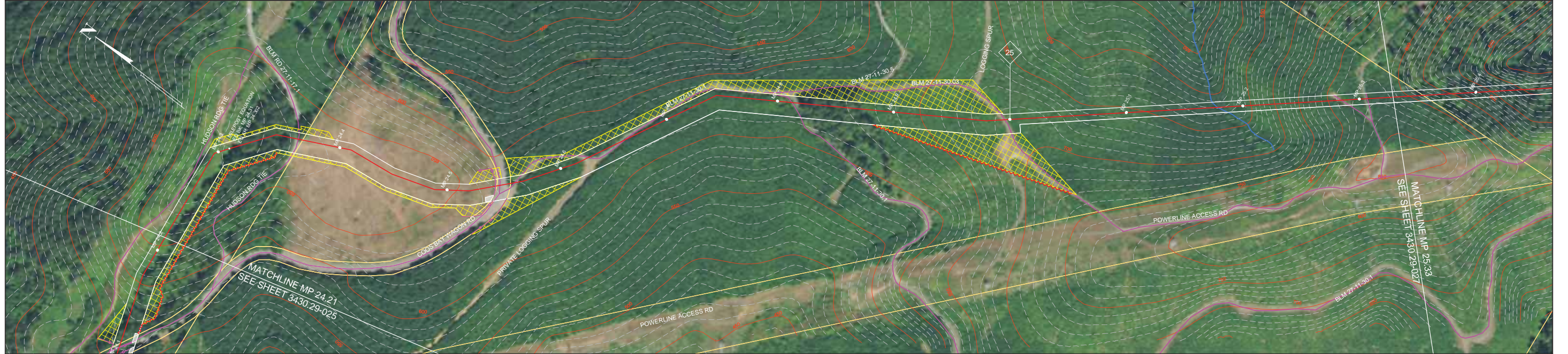
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 23.35 TO 24.21
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: 3430.29-025 SHEET 25 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 19, T27S, R11W	SEC 30, T27S, R11W	Legal Location
Ownership / Management	CO-146.000	CO-144.000	Ownership / Management
Jurisdiction	BLM - COOS DISTRICT	COOS COUNTY	Jurisdiction
Federal Land Use Allocation	3b		Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	OCT - MAY		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 Survey Status (wetlands as of July 2017)			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.
- 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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP			
NO.	DATE	BY	DESCRIPTION
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK			
1-Very Low	2-Low	3-Moderate	4-High
5-Very High			

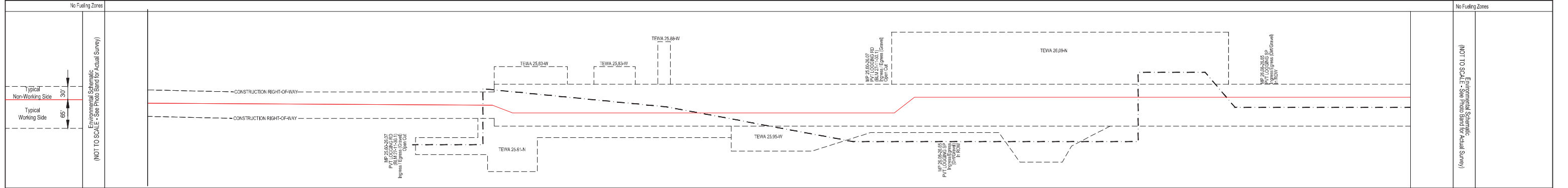
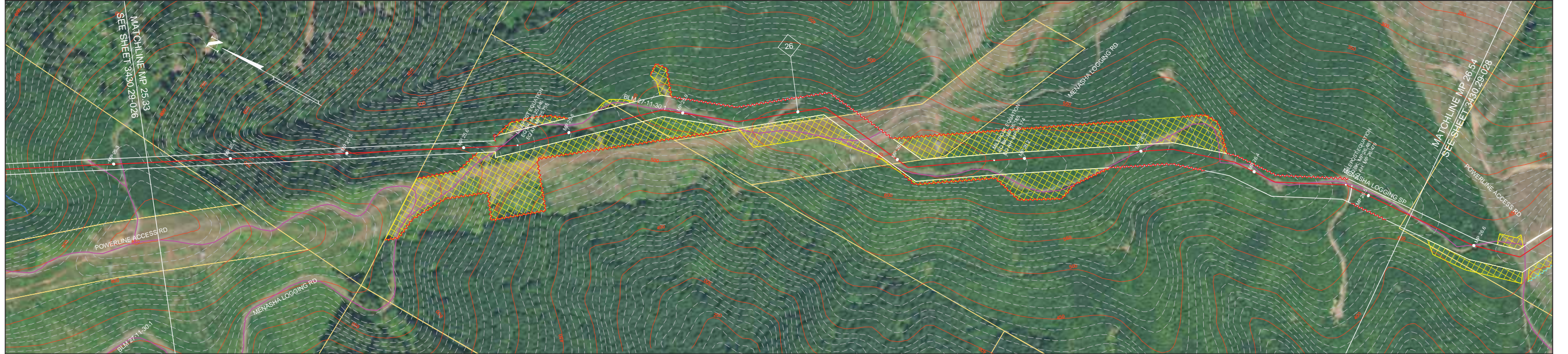
PUBLIC

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

SPREAD #2
MP 24.21 TO 25.33
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: 3430.29-026	SHEET 26 OF 226

Legal Location		SEC 30, T27S, R11W	SEC 29, T27S, R11W		SEC 32, T27S, R11W		Legal Location
Ownership / Management	CO-141.000	CO-147.000	CO-148.000	CO-149.000	CO-149.100UT	CO-149.000	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT					COOS COUNTY	Jurisdiction
Federal Land Use Allocation	3b	4b	3b				Federal Land Use 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							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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 - 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 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 - Estabulo Management Area	6 - Harvest Land Base (Lower-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	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

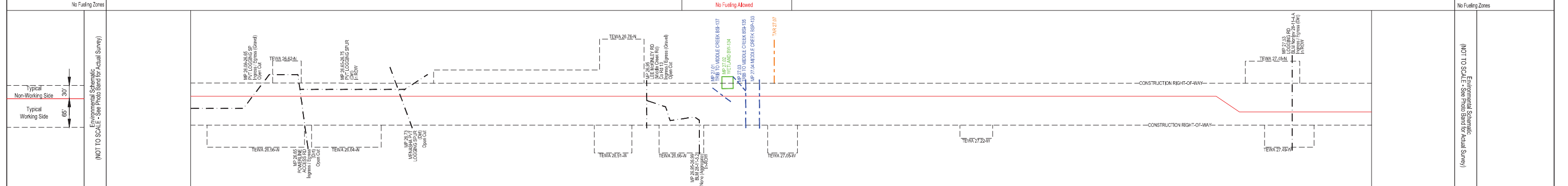
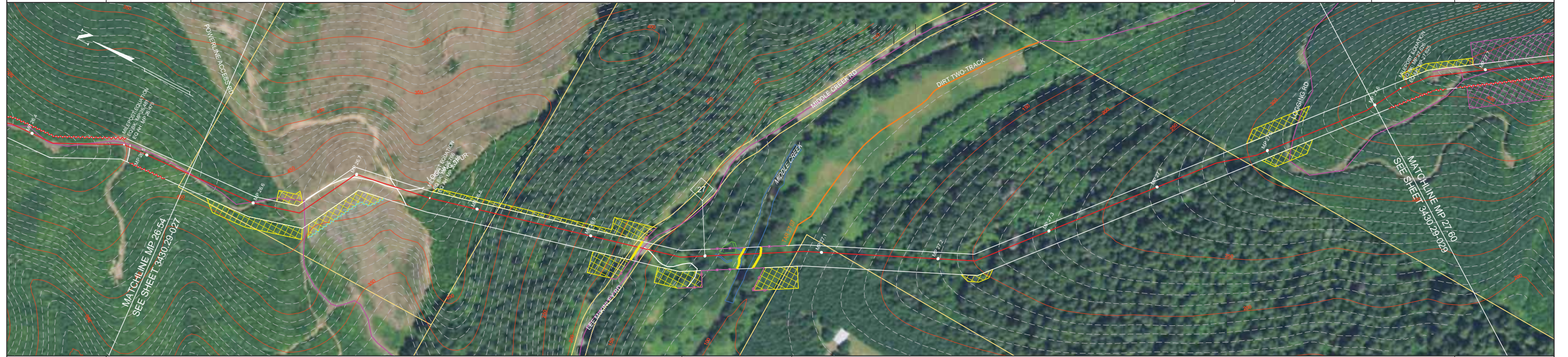
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2
MP 25.33 TO 26.54
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: 3430.29-027	SHEET 27 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 32, T27S, R11W	SEC 5, T28S, R11W	SEC 4, T28S, R11W	Legal Location
Ownership / Management	CO-150.000	CO-151.000	CO-151.000	Ownership / Management
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	COOS COUNTY	Jurisdiction
Federal Land Use Allocation		8, 2b, 4b, Riparian Reserve, 2b, 4b	8	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody		BW-134 Tribs to Middle Creek Middle Creek Dry Open-Cut / July 1 - Sept. 15		Wetland / Waterbody
Crossing Method / Instream Construction Window			MARBLED 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		2, 1, 1, 2, 1, 2, 1/2, 1		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.
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LEGEND

Proposed Pipeline (Red line)
Tax Parcel Boundaries (Yellow outline)
Wetland Stream (Green outline)
Access Road (Orange outline)
Permanent / Temporary Access Road (PAR / TAR) (Purple outline)
Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.

Construction Right-of-Way
Temporary Construction Right-of-Way (Dashed line)
Temporary Extra Work Area (Yellow hatched)
Uncleared Storage Area (Blue hatched)
Pipe Yard (Orange hatched)
Aboveground Facility (Blue hatched)
Rock Source/Disposal (Purple hatched)

Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (FB) (WC) (Yellow line)
Silt Fence (SF) (Green line)
Safety Fence (SAF) (Red line)
Slash Filter Window (SFV) (Red line)
Construction Entrance Pad (CE) (Grey rectangle)

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 - Estacion Management Area	6 - Harvest Land Base (Unzero-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

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

PUBLIC

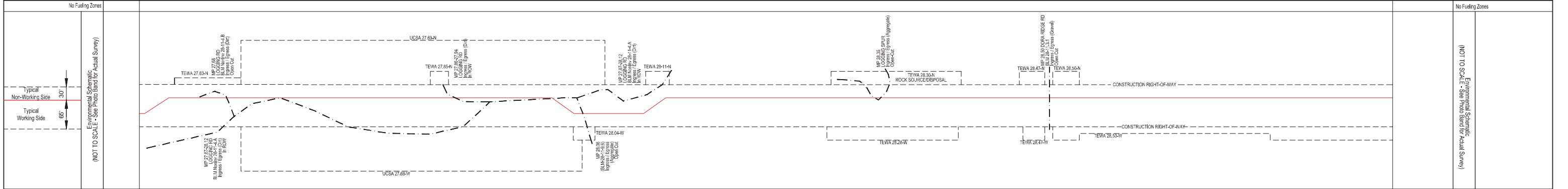
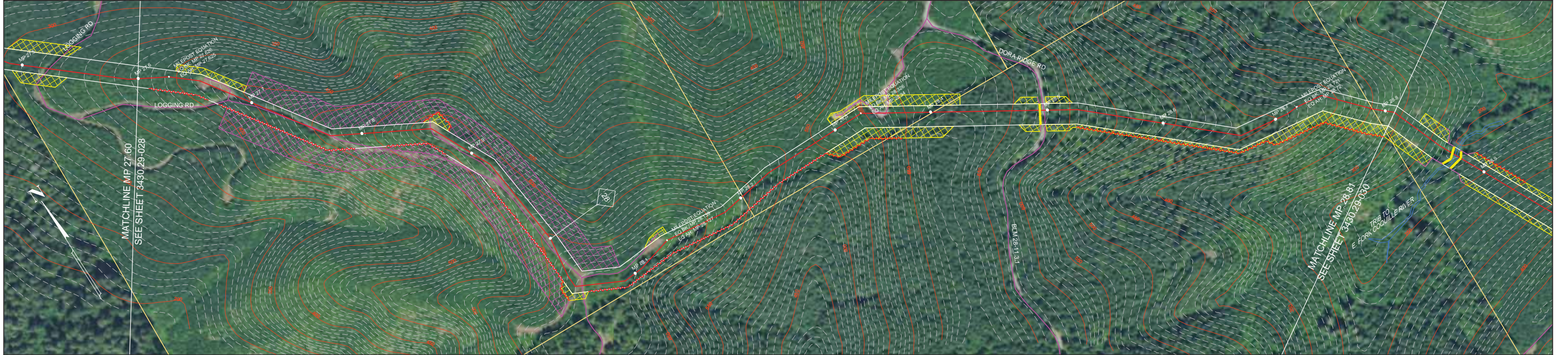
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

SPREAD #2
MP 26.54 TO 27.60
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: 3430-29-028 SHEET 28 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 4, T28S, R11W	SEC 9, T28S, R11W	Legal Location
Ownership / Management	CO-153.000	CO-154.000 CO-155.000	CO-157.000
Jurisdiction		BLM - COOS BAY DISTRICT	
Federal Land Use Allocation		8	8
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody			
Crossing Method / Instream Construction Window	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))		
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk	1	2	2
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.
 - 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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

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

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: 1 inch = 200 Feet

PUBLIC

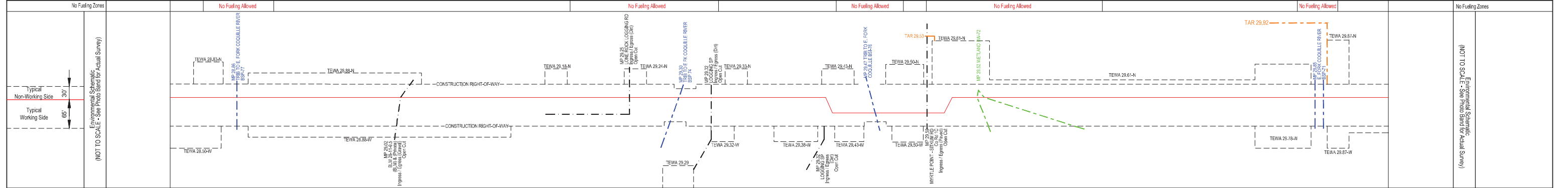
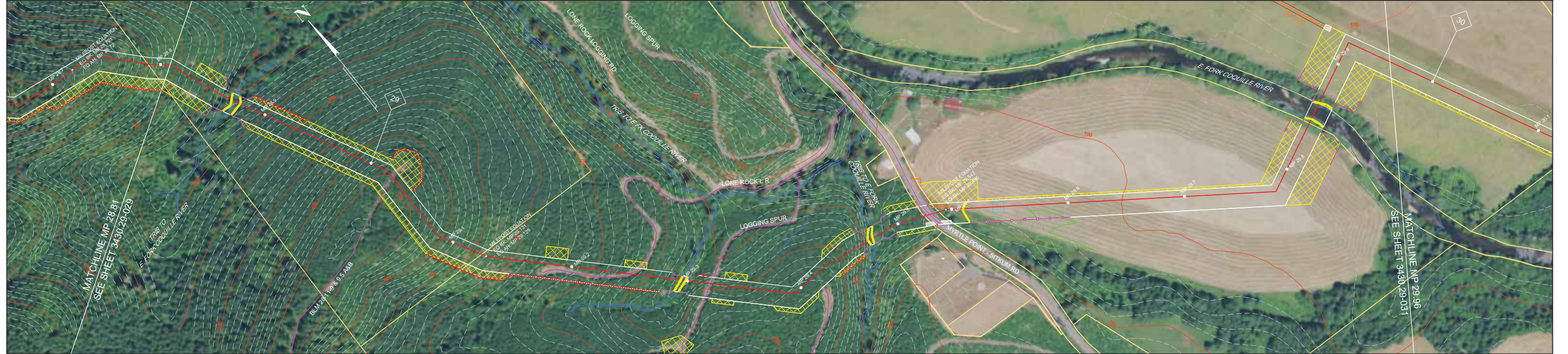
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #2
MP 27.60 TO 28.81
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: 3430-29-029	SHEET 29 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T28S, R11W						Legal Location
Ownership / Management	CO-157.000	CO-158.000	MYRTLE POINT - GRAVEL FORD SITUM CO RD 10 CO-60000 RD	CO-161.000	EAST FORK COQUILLE RIVER CO-162.000WC	CO-163.000	Ownership / Management
Jurisdiction	COOS COUNTY						Jurisdiction
Federal Land Use Allocation							Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	OCT - MAY						Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to E Fork Coquille River	Trib to E Fk Coquille River	Trib to E Fork Coquille River	BW-72	E. Fork Coquille River	E. Fork Coquille River	Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15	Dry Open-Cut / July 1 - Sept. 15	Dry Open-Cut / July 1 - Sept. 15		Dry Open-Cut / July 1 - Sept. 15	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	HYDROSTATIC TEST						Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential	ACCESS DENIED (WETLAND)						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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 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

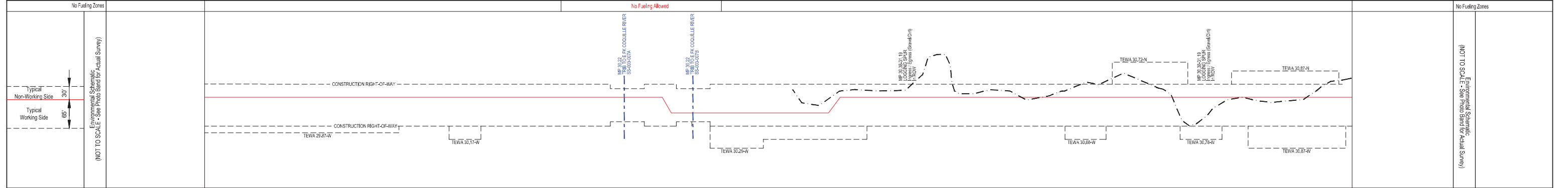
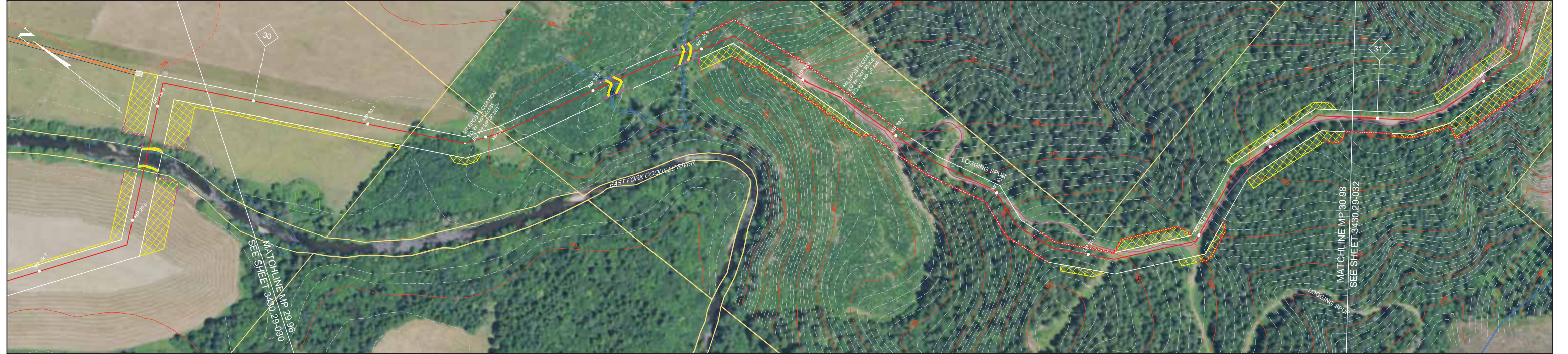
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #2 & #3
MP 28.81 TO 29.96
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: 3430-29-030 SHEET 30 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T2&S, R11W	SEC 15, T2&S, R11W	SEC 14, T2&S, R11W	Legal Location
Ownership / Management	CO-163.000	CO-164.000	CO-165.000	Ownership / Management
Jurisdiction	COOS COUNTY			Jurisdiction
Federal Landuse Allocation				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	OCT - MAY			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Tribes to E FK Coquille River			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)	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

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (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				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE		
	Aug-2019	EE	Issued for FERC DEIS Response	EE	EE		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 200 400 FEET

PUBLIC

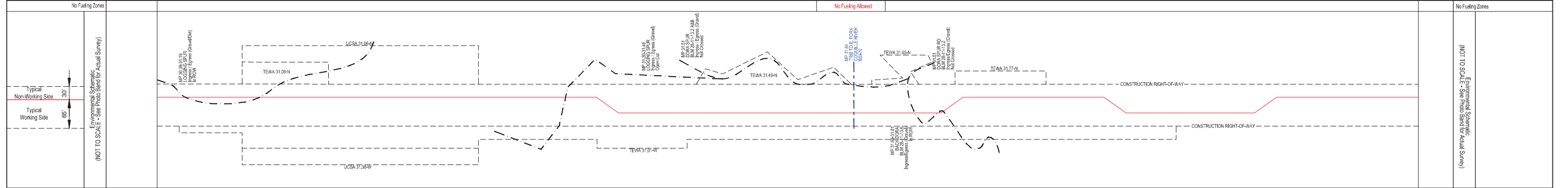
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 29.96 TO 30.98
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: 3430.29-031	SHEET 31 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 14, T28S, R11W	SEC 13, T28S, R11W	Legal Location
Ownership / Management	CO-165.000	CO-166.000	CO-167.000
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	Jurisdiction
Federal Land Use Allocation		4b Riparian Reserve	3b
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody		Trib to E. Fork Coquille River	
Crossing Method / Instream Construction Window		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		2	2 1 2 1
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.
 - 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

- 1-Very Low
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- 4-High
- 5-Very High

PUBLIC

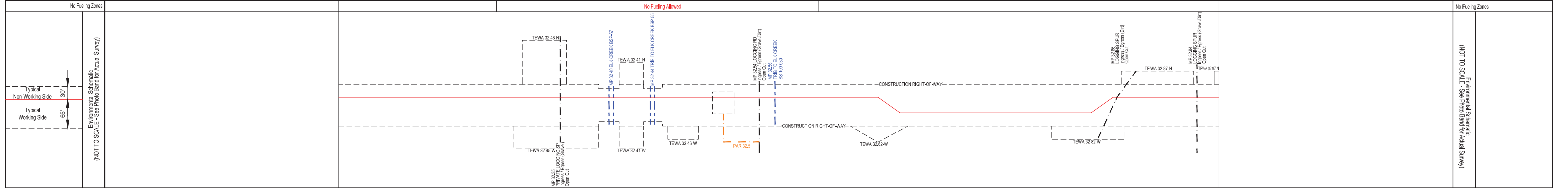
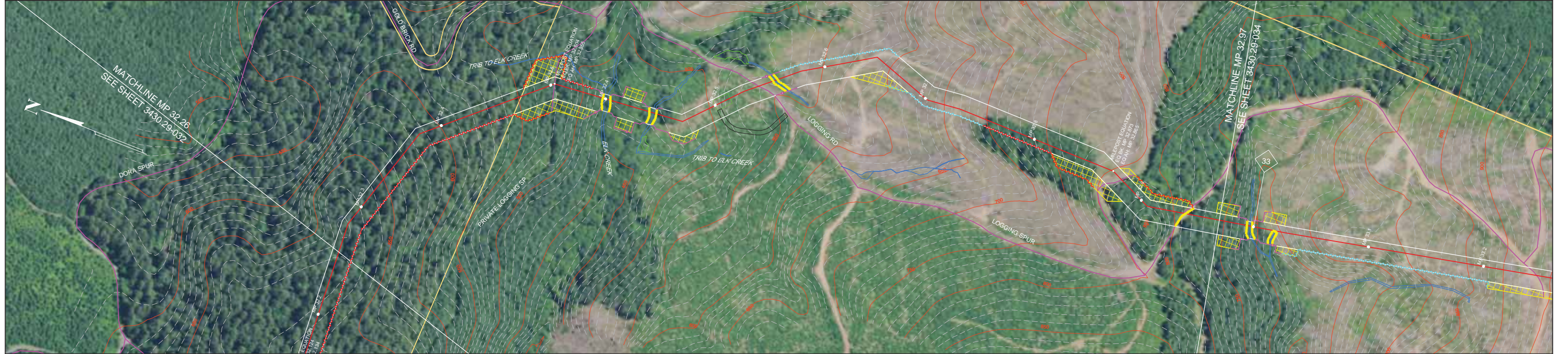
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 30.98 TO 32.26
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: 3430.29-032	SHEET 32 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 13, T28S, R11W	SEC 24, T28S, R11W	Legal Location
Ownership / Management	CO-167.000	CO-168.000	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT	COOS COUNTY	Jurisdiction
Federal Landuse Allocation	3b		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody		Elk Creek Trib to Elk Creek Trib to Elk Creek	Wetland / Waterbody
Crossing Method / Instream Construction Window		Dry Open Cut / July 1 - Sept. 15 Dry Open Cut / July 1 - Sept. 15	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	1 2 1 2		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential		SVA #3	Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)		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.
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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 Window (SFV)
- Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

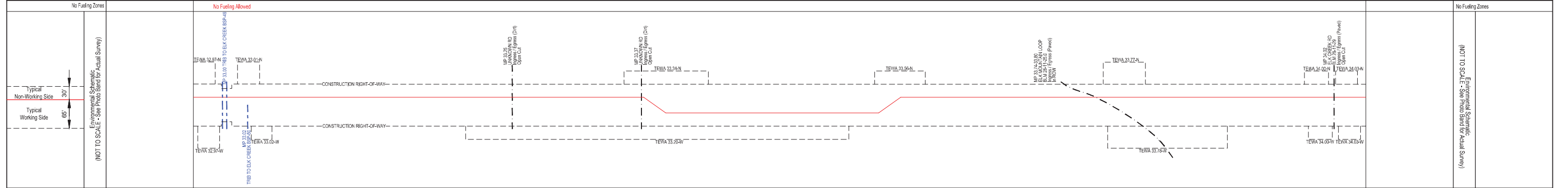
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
 MP 32.26 TO 32.97
 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: 3430.29-033	SHEET 33 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 24, T28S, R11W	SEC 25, T28S, R11W	SEC 19, T28S, R10W	Legal Location
Ownership / Management	CO-168.000	CO-169.000	CO-170.000	CO-172.000
Jurisdiction	COOS COUNTY			BLM - COOS BAY DISTRICT
Federal Land Use Allocation				3b
Areas of High Groundwater (Potential Trench Dewatering)				
Wetland / Waterbody	Tribes to Elk Creek			
Crossing Method / Instream Construction Window	Dry Open Cut / Aspartic Ins Cementline within ROW			
Biological Seasonal Construction Window (as of September 2017)	MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))			
Topsoil Salvage / Federal Lands Soil Risk				2
Hydrostatic Test Water Release / Aboveground Facilities / Residential				1
Survey Status (wetlands as of July 2017)	ACCESS DENIED (WETLAND)			



NOTES:

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LEGEND

- Proposed Pipeline
- 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 Window (SFW)
- Construction Entrance Pad (CE)
- 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		REVISIONS																			
2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Forest)	3a - Late-Occasional Reserve (Dry Forest)	3b - Late-Occasional Reserve (Moist Forest)																		
4a - Riparian Reserve (Dry Forest)	4b - Riparian Reserve (Moist Forest)	5 - Estabulo Management Area	6 - Harvest Land Base (Unmown-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		<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>CHK.</th> <th>APP.</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Sept-2017</td> <td>EE</td> <td>Issued for FERC Certificate Application</td> <td>EE</td> <td>EE</td> </tr> <tr> <td></td> <td>Aug-2019</td> <td>EE</td> <td>Issued for FERC DEIS Response</td> <td>EE</td> <td>EE</td> </tr> </tbody> </table>		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
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PUBLIC

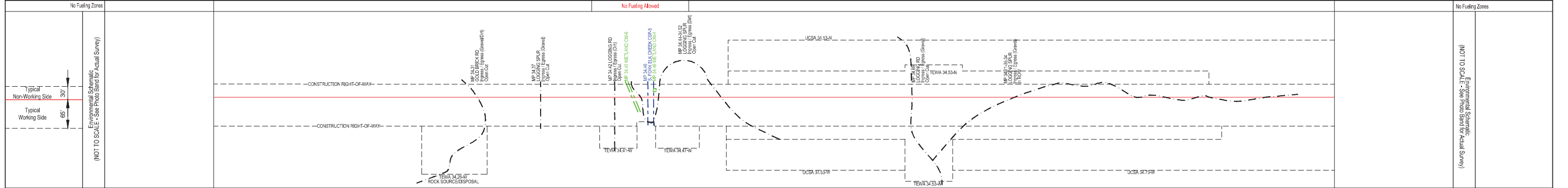
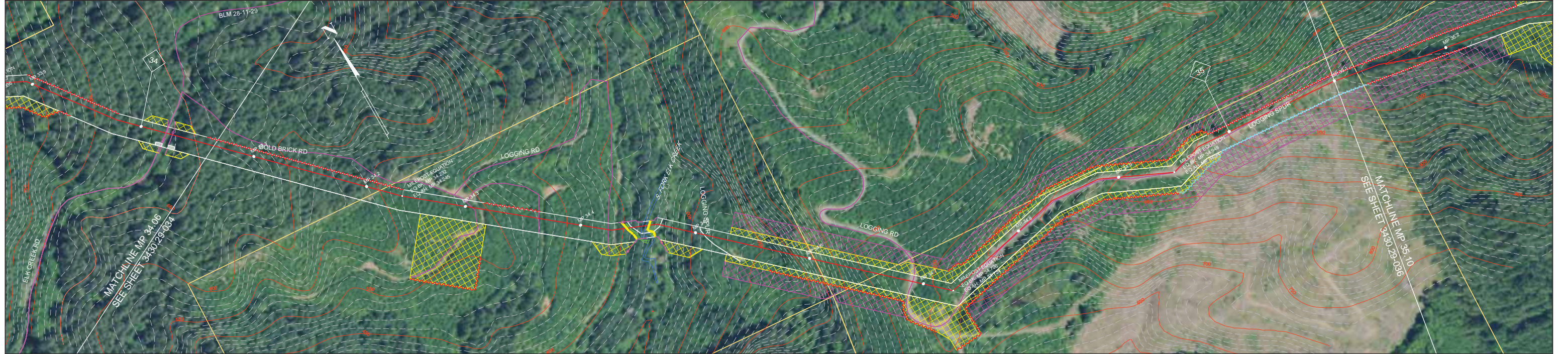
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 32.97 TO 34.06
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: 3430.29-034	SHEET 34 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 19, T28S, R10W				SEC 30, T28S, R10W		SEC 19, T28S, R10W		Legal Location
Ownership / Management	CO-172.000	CO-173.000	CO-173.000	CO-174.000	CO-176.000	CO-174.000		Ownership / Management	
Jurisdiction	BLM - COOS BAY DISTRICT				COOS COUNTY				Jurisdiction
Federal Land Use Allocation	3b								Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					CW-6 S Fork Elk Creek CW-4				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody					Dry Open-Cut / July 1 - Sept. 15				Wetland / Waterbody
Crossing Method / Instream Construction Window					MARBLED 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	1	2	1					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:**
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LEGEND

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

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

BLM LANDUSE - 2016 RMP				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

- 1-Very Low
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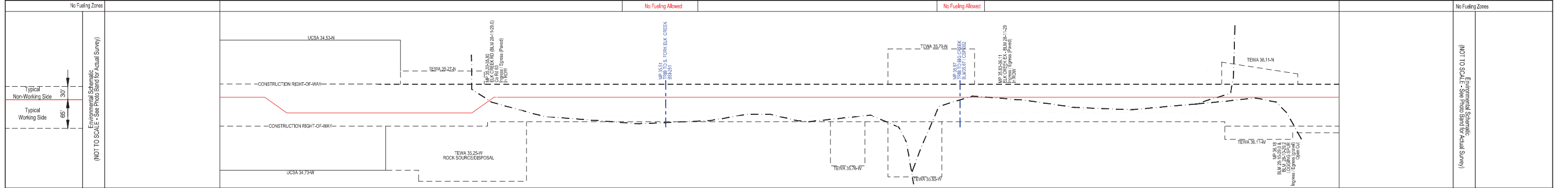
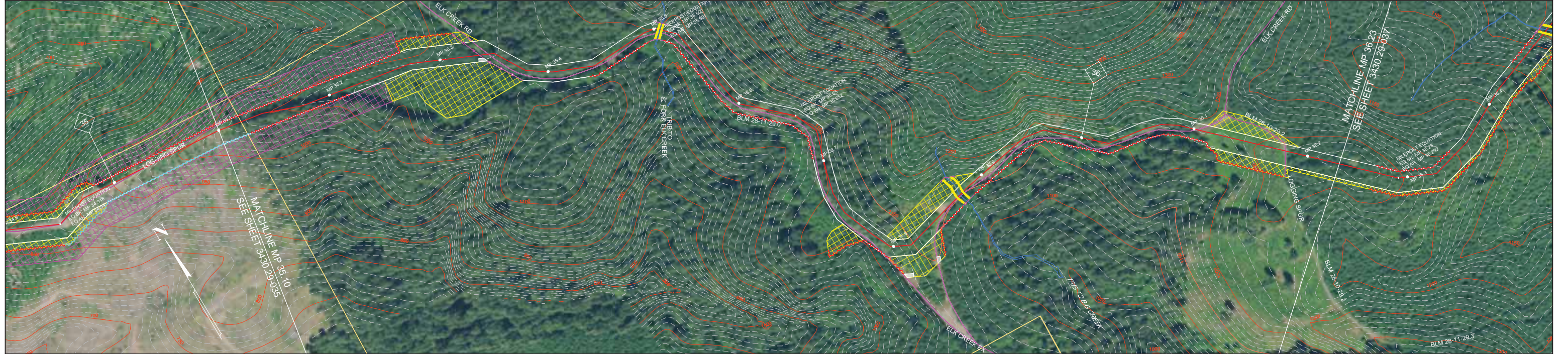
PUBLIC

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

**SPREAD #3
MP 34.06 TO 35.10
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: 3430.29-035	SHEET 35 OF 226

Legal Location	SEC 26, T26S, R10W				Legal Location
Ownership / Management	CO-176.000		CO-177.000		Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT				Jurisdiction
Federal Land Use Allocation	3b	4b	3b	4b	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	Riparian Reserve				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to S. Fork Elk Creek		Trib to Big Creek		Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15		Dry Open-Cut / July 1 - Sept. 15		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	2	1	2		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential	HYDROSTATIC TEST BREAK				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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Establisment Management Area						
6 - Harvest Land Base (Unrecovered 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

PUBLIC

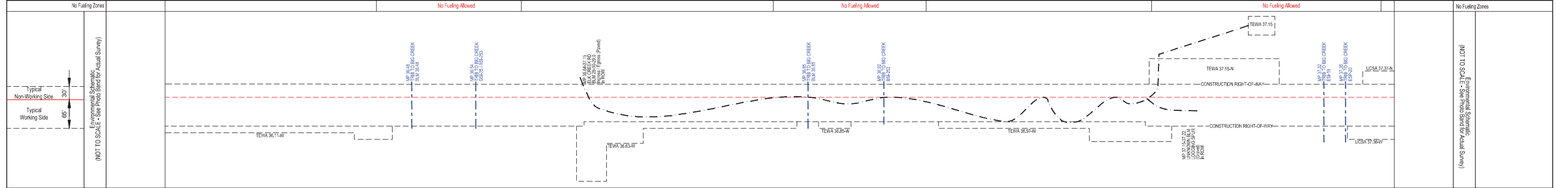
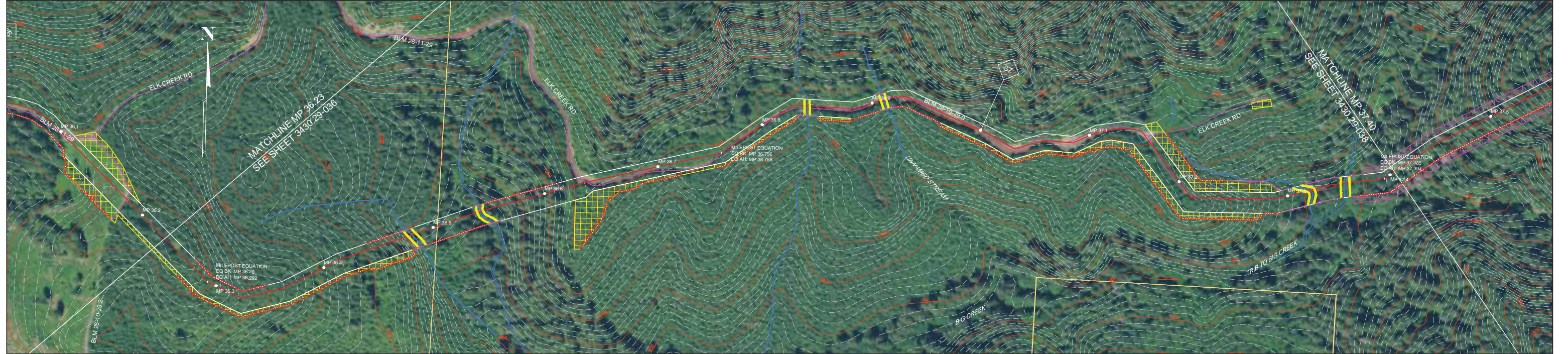
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 35.10 TO 36.23
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: 3430.29-036	SHEET 36 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 28, T28S, R10W				SEC 28, T28S, R10W				Legal Location	
Ownership / Management	CO-177.000				CO-178.000				Ownership / Management	
Jurisdiction	BLM - COOS BAY DISTRICT								Jurisdiction	
Federal Landuse Allocation	3b		4b		3b		4b		3b	
Areas of High Groundwater (Potential Trench Dewatering)	Trib to Big Creek				Trib to Big Creek				Trib to Big Creek	
Wetland / Waterbody	Trib to Big Creek				Trib to Big Creek				Trib to Big Creek	
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15				Dry Open-Cut / July 1 - Sept. 15				Dry Open-Cut / July 1 - Sept. 15	
Biological Seasonal Construction Window (as of September 2017)	MARSHLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))								VSO (MAR 1 - JUL 15 (No Activity))	
Topsoil Salvage / Federal Lands Soil Risk	2		1		1		2		1/2	
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	HYDROSTATIC TEST BREAK								2	



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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

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: 1 inch = 200 Feet

PUBLIC

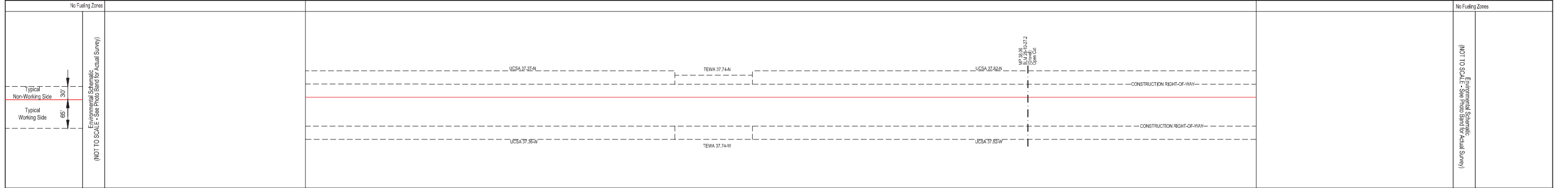
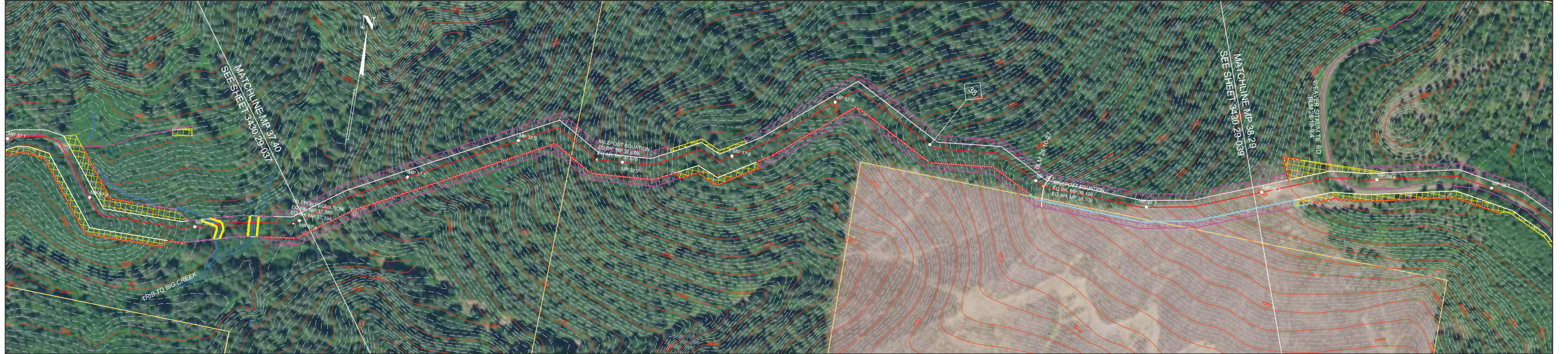
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 36.23 TO 37.40
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: 3430.29-037 SHEET 37 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 26, T26S, R10W	SEC 27, T26S, R10W	Legal Location
Ownership / Management	CO-178.000	CO-180.000	CO-181.000RT
Jurisdiction	BLM - COOS BAY DISTRICT		
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 Survey Status (wetlands as of July 2017)			
	NSO (MARCH 1 - JULY 15 (No Activity))		MARbled MURRELET (APRIL 1 - AUGUST 5 (DTRs))
	2	2/3	1/2
			2/3
			2
			2/3



- 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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 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

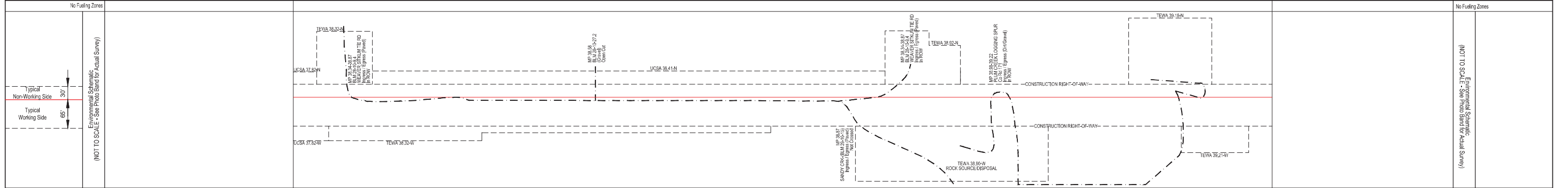
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 37.40 TO 38.29
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: 3430.29-038 SHEET 38 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 27, T26S, R10W	SEC 26, T26S, R10W	Legal Location
Ownership / Management	CO-180.000	CO-183.000	Ownership / Management
Jurisdiction	BLM - COOS BAY DISTRICT	COOS COUNTY	Jurisdiction
Federal Landuse Allocation	36		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	2/3	Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	1/2	HYDROSTATIC TEST BREAK	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.
 - 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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 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Construction Entrance Pad (CE)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

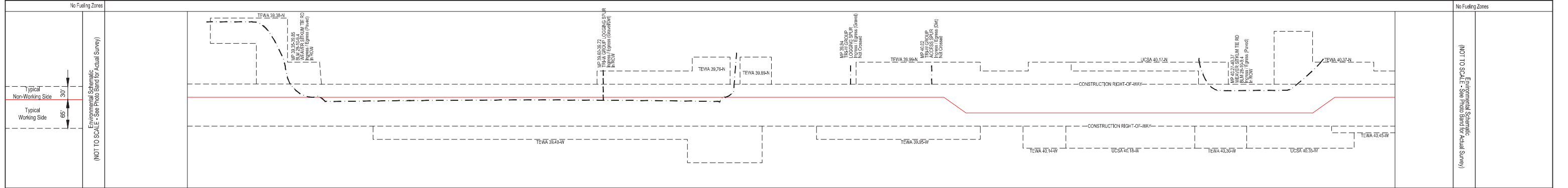
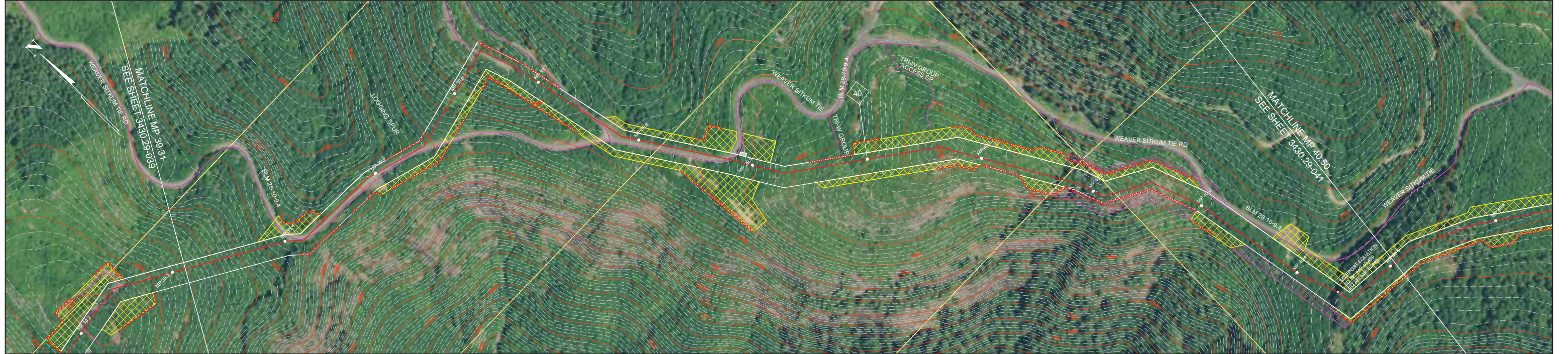
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 38.29 TO 39.31
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: 3430-29-039	SHEET 39 OF 226

Pacific Connector
GAS PIPELINE

Legal Location		CO-182.000	SEC 26, T28S, R10W	CO-183.000	CO-184.000	CO-185.000	CO-186.000	Legal Location
Ownership / Management			COOS COUNTY					Ownership / Management
Jurisdiction			COOS COUNTY					Jurisdiction
Federal Land Use Allocation								Federal Land Use 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						2/3		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.
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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
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

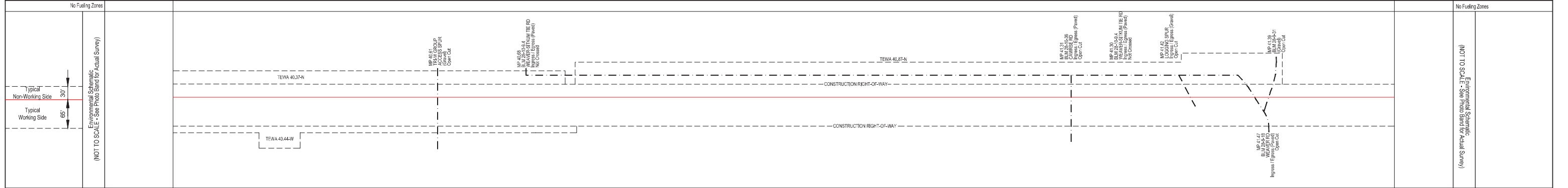
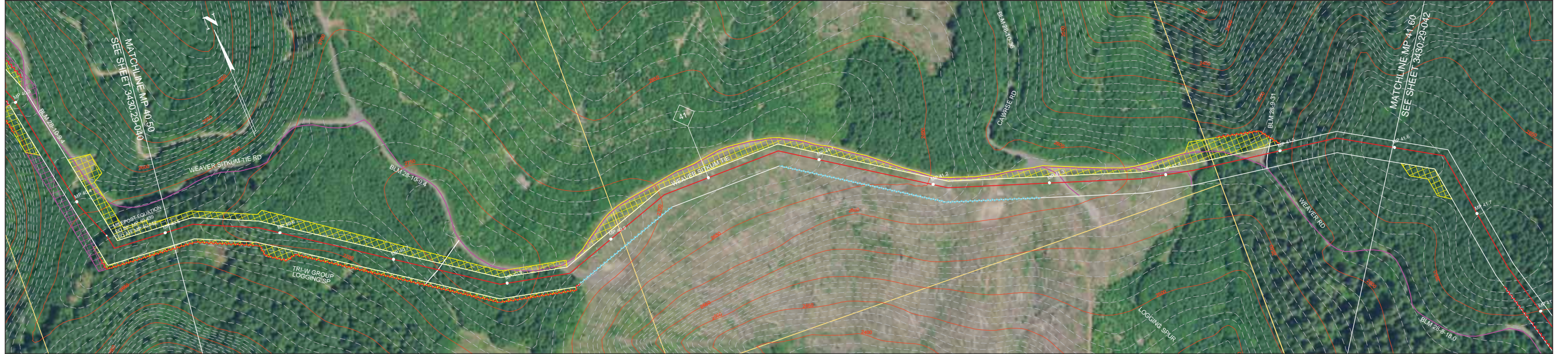
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 39.31 TO 40.50
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: 3430.29-040 SHEET 40 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 36, T28S, R10W	SEC 31, T28S, R9W	Legal Location
Ownership / Management	CO-188.000	CO-187.000	Ownership / Management
Jurisdiction	COOS COUNTY		Jurisdiction
Federal Landuse Allocation	BLM - COOS DISTRICT		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	7 2b 7 2c		Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			Wetland / Waterbody
Crossing Method / Instream Construction Window	MARBLD 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	1/2		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)			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.
- 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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- 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

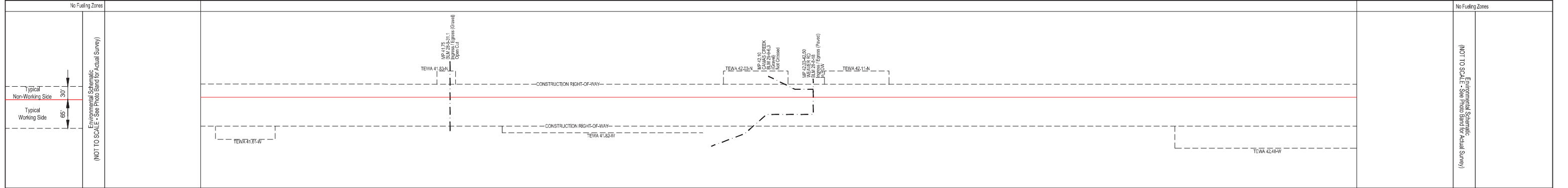
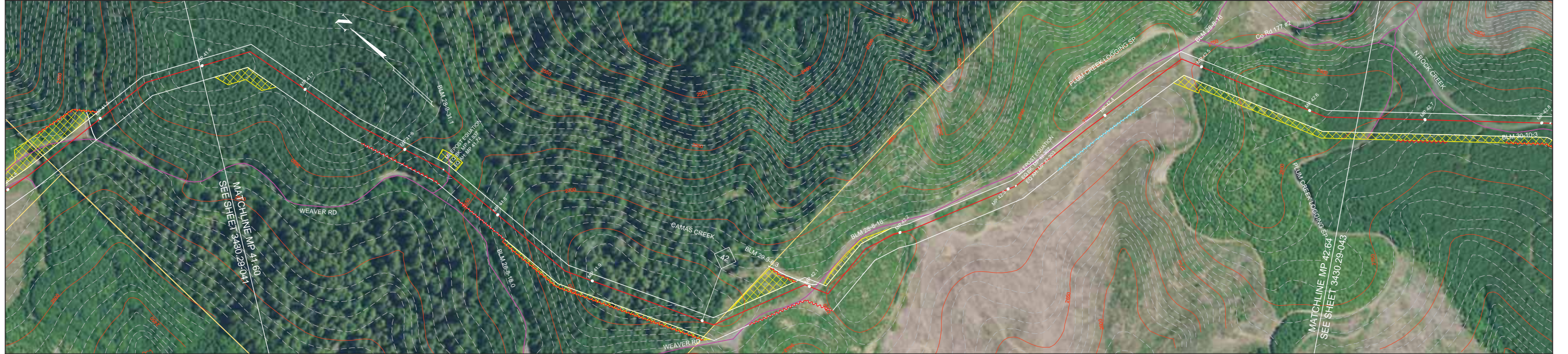
PUBLIC

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

SPREAD #3
MP 40.50 TO 41.60
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: 3430.29-041	SHEET 41 OF 226

Legal Location	SEC 31, T28S, R9W				SEC 6, T29S, R9W				Legal Location
Ownership / Management	CO-188.000				CO-188.000				Ownership / Management
Jurisdiction	BLM - COOS DISTRICT				COOS COUNTY				Jurisdiction
Federal Land Use Allocation	7	2b	7	2b	7	3b	2b	Federal Land Use Allocation	
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody									Wetland / Waterbody
Crossing Method / Instream Construction Window					MARBLED 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	1/2	2	1/2	2	1/2	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)									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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- 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 Window (SFV)
- Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Estabulo Management Area						
6 - Harvest Land Base (Unzero-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

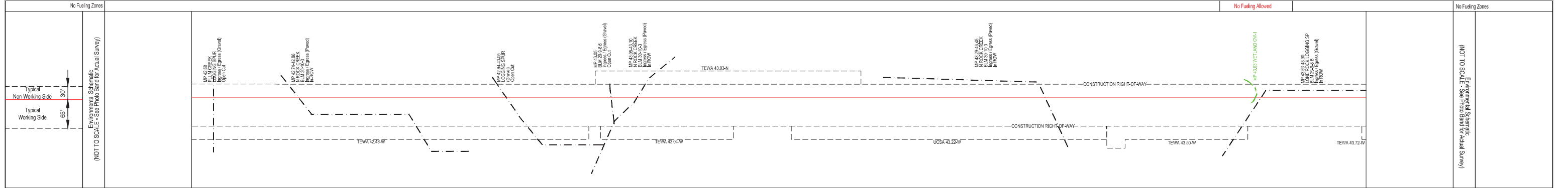
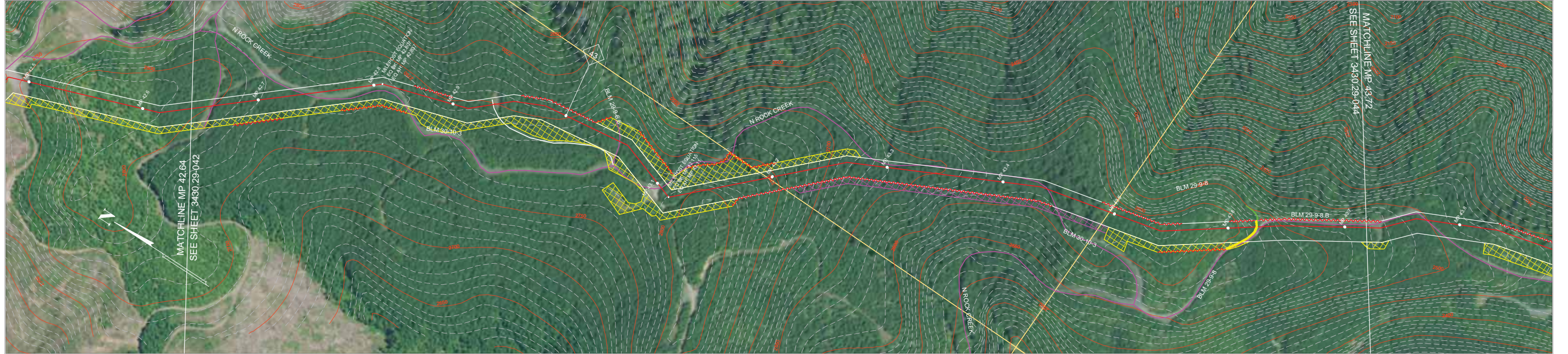
PUBLIC

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

SPREAD #3
MP 41.60 TO 42.64
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: 3430.29-042	SHEET 42 OF 226

Legal Location	SEC 6, T29S, R9W	SEC 5, T29S, R9W	SEC 8, T29S, R9W	Legal Location
Ownership / Management	CO-189,000	CO-190,000	CO-191,000	Ownership / Management
Jurisdiction	COOS COUNTY	BLM - COOS BAY DISTRICT	COOS COUNTY	Jurisdiction
Federal Landuse Allocation		7	4b 7 2b 7	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		1	1/2	1
Hydrostatic Test Water Release / Aboveground Facilities / Residential				ACCESS DENIED
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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

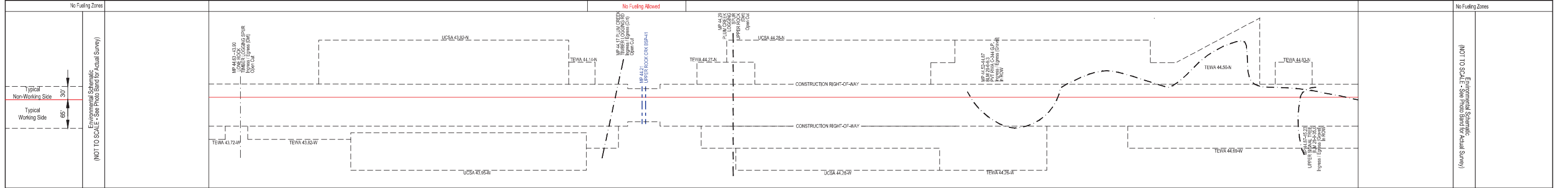
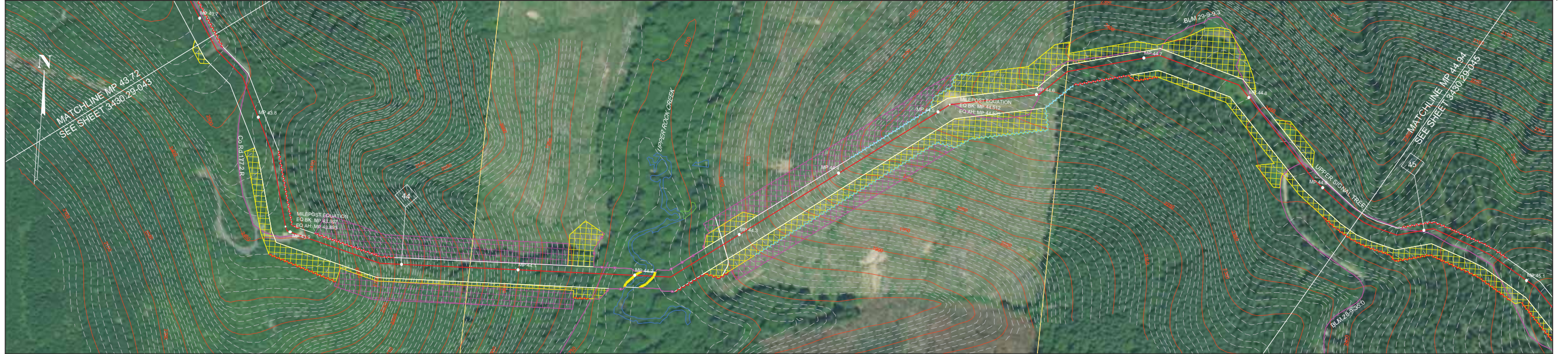
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 42.64 TO 43.72
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: 3430.29-043	SHEET 43 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 8, T29S, R9W		SEC 9, T29S, R9W		Legal Location
Ownership / Management	CO-191.000	CO-192.000	CO-193.000		Ownership / Management
Jurisdiction	COOS COUNTY				Jurisdiction
Federal Landuse Allocation	BLM - COOS BAY DISTRICT				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	8				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Upper Rock 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)	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRS))				Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			2	1/2	2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)				1/2	2



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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

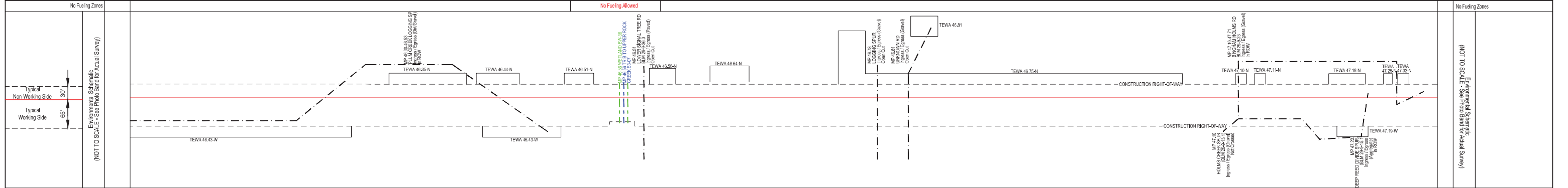
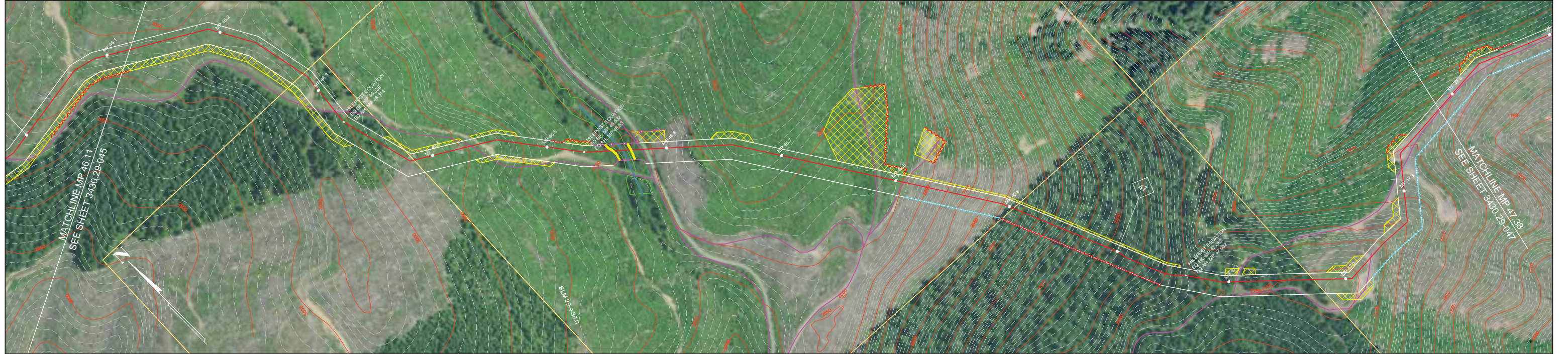
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
 MP 43.72 TO 44.94
 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: 3430.29-044	SHEET 44 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T29S, R9W				SEC 15, T29S, R9W		SEC 14, T29S, R9W		Legal Location
Ownership / Management	DO-194.000	DO-195.000	DO-196.000	DO-196.000	DO-196.001		DO-196.002		Ownership / Management
Jurisdiction	DOUGLAS COUNTY				BLM - ROSEBURG DISTRICT		DOUGLAS COUNTY		Jurisdiction
Federal Landuse Allocation					2a		2b		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	BLM-38 TRIB TO UPPER ROCK CREEK								Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open Cut								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					1		2		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential							1/2		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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- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Forest)	3a - Late-Occasional Reserve (Dry Forest)	3b - Late-Occasional Reserve (Moist Forest)	4a - Riparian Reserve (Dry Forest)	4b - Riparian Reserve (Moist Forest)	5 - Estabio Management Area	6 - Harvest Land Base (Unser-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	EE	Issued for FERC Certificate Application	EE	EE
	Aug-2019	EE	Issued for FERC DEIS Response	EE	EE

Scale: 1 inch = 200 Feet

PUBLIC

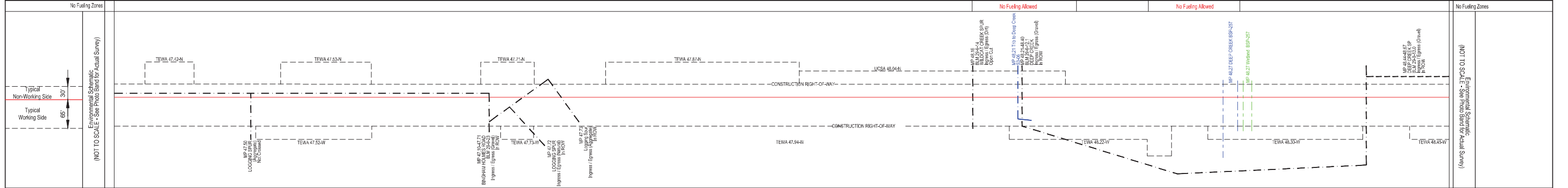
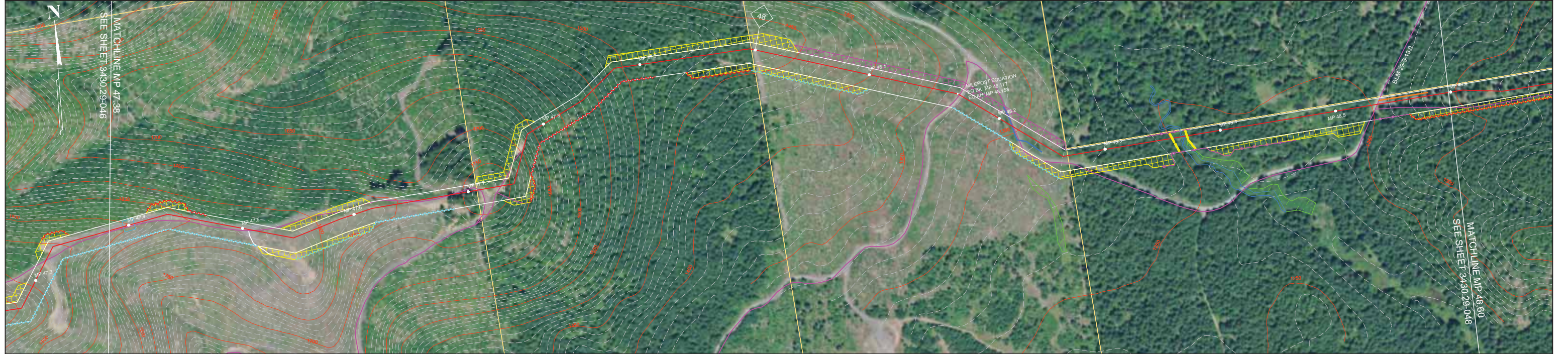
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 46.11 TO 47.38
DOUGLAS 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: 3430.29-046	SHEET 46 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 14, T29S, R9W			SEC 13, T29S, R9W			Legal Location
Ownership / Management	DO-196-002	DO-200.000	DO-201.000	DO-203.000	DO-203.000	DO-203.000	Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT			BLM - ROSEBURG DISTRICT			Jurisdiction
Federal Landuse Allocation	Late-Successional Reserve			Late-Successional Reserve			Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)				Trib to Deep Creek Dry Open Cut			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody				Deep Creek Dry Open Cut / July 1 - Sept. 15			Wetland / Waterbody
Crossing Method / Instream Construction Window				BSP-257 Dry Open Cut / July 1 - Sept. 15			Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))			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)	HYDROSTATIC TEST BREAK			HYDROSTATIC TEST BREAK			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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

BLM LANDUSE - 2016 RMP		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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 to 400 FEET

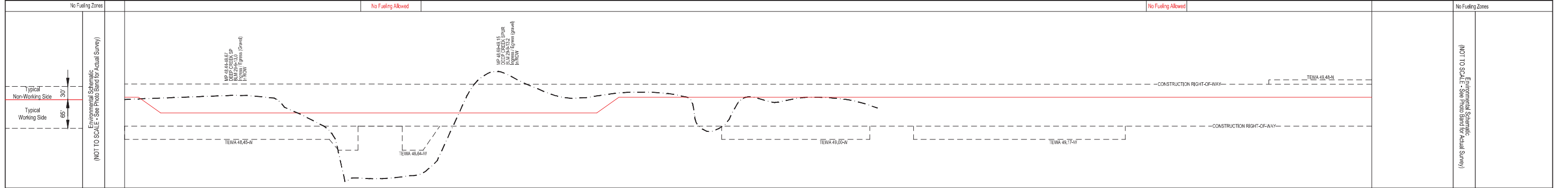
PUBLIC

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

**SPREAD #3
MP 47.38 TO 48.60
DOUGLAS 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: 3430.29-047	SHEET 47 OF 226

Legal Location	SEC 13, T29S, R9W				SEC 18, T29S, R9W				SEC 7, T29S, R9W				Legal Location
Ownership / Management	DO-203.000				DO-204.000				DO-205.000				Ownership / Management
Jurisdiction	BLM-ROSEBURG DISTRICT				DOUGLAS COUNTY				DOUGLAS COUNTY				Jurisdiction
Federal Land Use Allocation	8	2b	8	2b	8	2b	8	NOV - MAY				Federal Land Use 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	1/2	1	2	1	2	1	3					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.
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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Driveable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- 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		REVISIONS				
2a - District Designated Reserve (No Harvest)	NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)						
4a - Riparian Reserve (Dry Forest)						
4b - Riparian Reserve (Moist Forest)						
5 - Estabio Management Area						
6 - Harvest Land Base (Unmatured 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

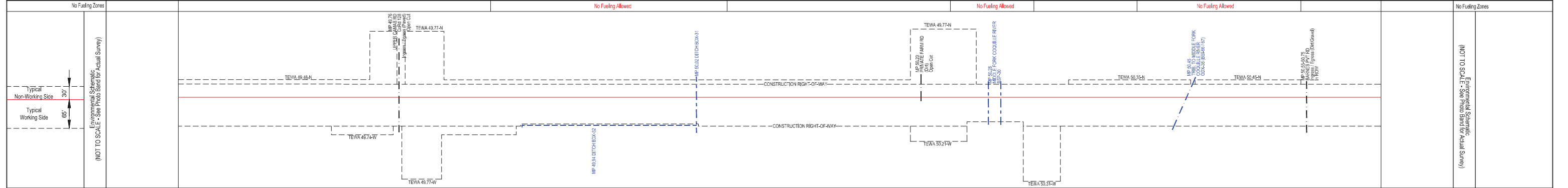
PUBLIC

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

SPREAD #3
MP 48.60 TO 49.57
DOUGLAS 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: 3430.29-048	SHEET 48 OF 226

Legal Location	SEC 7, T29S, R8W	SEC 8, T29S, R8W	Legal Location
Ownership / Management	DC-205.000	DC-204.000	DC-208.000
Jurisdiction	DOUGLAS COUNTY		
Federal Land Use Allocation	422		
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY		
Wetland / Waterbody	Ditch	Ditch	Middle Fork Coquille River
Crossing Method / Instream Construction Window		Dry Open-Cut / July 1 - Sept. 15	Dry Open-Cut / July 1 - Sept. 15
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk	RESIDENTIAL - 3430.33-X-001		
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.
 - 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

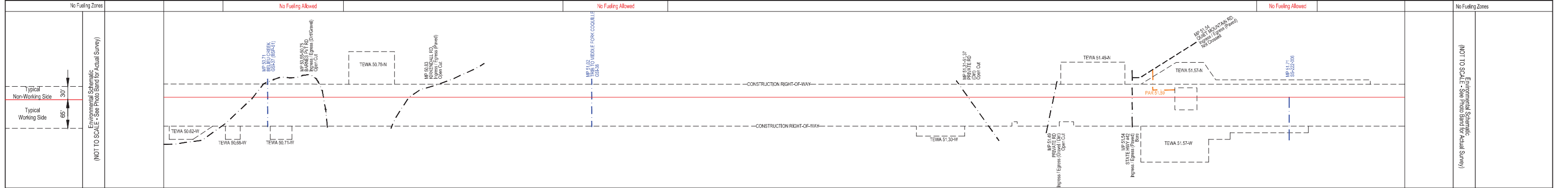
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 49.57 TO 50.62
DOUGLAS 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: 3430.29-049	SHEET 49 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 8, T29S, R6W		SEC 17, T29S, R6W				SEC 16, T29S, R6W			Legal Location
Ownership / Management	DO-208.000	DO-210.000	DO-211.000	DO-212.00LT DO-213.000	DO-213.000	DO-214.000	DO-215.000	DO-217.000	DO-217.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY				BLM-ROSEBURG DISTRICT		DOUGLAS COUNTY			Jurisdiction
Federal Land Use Allocation					3b					Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY				NOV - MAY		Ditch			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Belleu Creek				Trib to Middle Fork Coquille River					Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15				Dry Open-Cut / July 1 - Sept. 15		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					2					Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)							HYDROSTATIC TEST BREAK / BVA #4			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.
 - 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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 - 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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

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

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

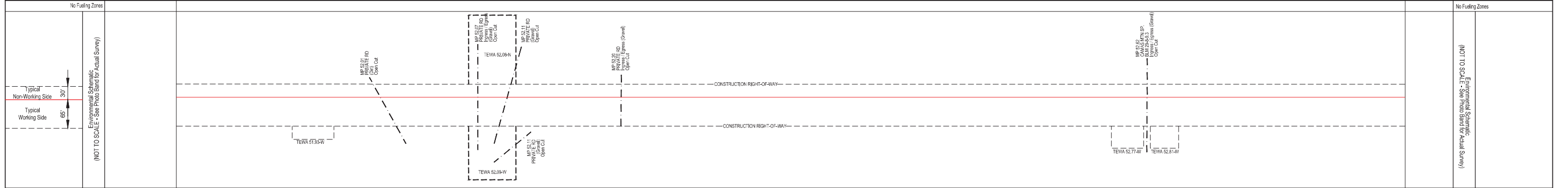
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 50.62 TO 51.82
DOUGLAS 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: 3430.29-050	SHEET 50 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 16, T29S, R8W				SEC 15, T29S, R8W		SEC 10, T29S, R8W	Legal Location
Ownership / Management	DO-217.000	DO-219.000	DO-220.000	DO-221.000	DO-222.000	DO-223.000	Ownership / Management	
Jurisdiction	DOUGLAS COUNTY				BLM - ROSEBURG DISTRICT		DOUGLAS COUNTY	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))				MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))			Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk					1/2	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)	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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 - 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

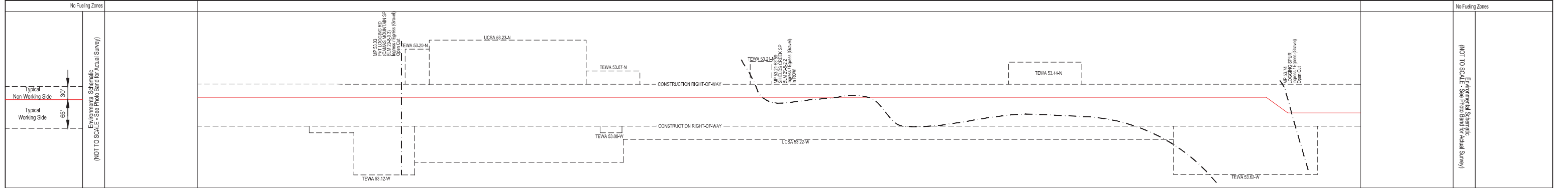
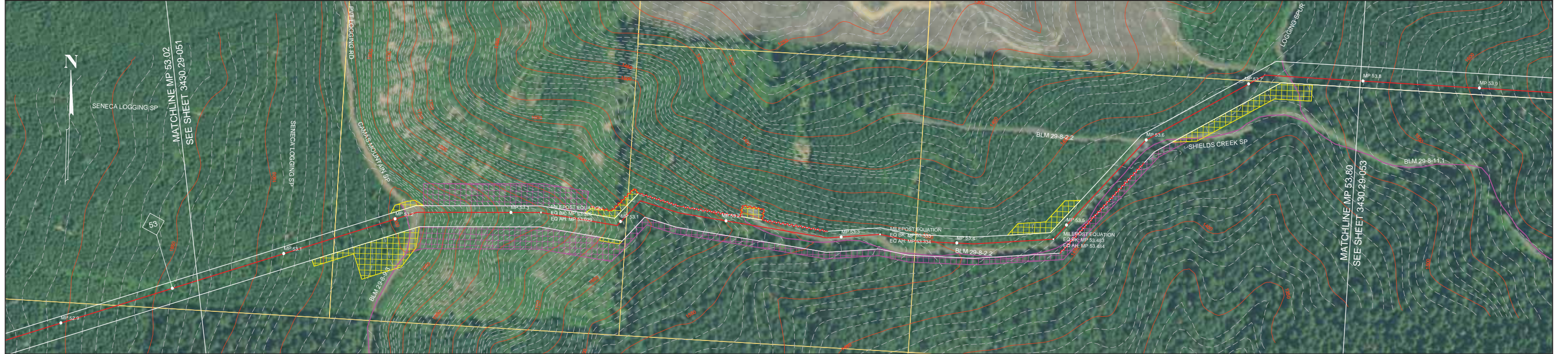
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 51.82 TO 53.02
DOUGLAS 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: 3430-29-051	SHEET 51 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T29S, R8W				SEC 11, T29S, R8W				Legal Location
Ownership / Management	DO-223.000	DO-224.000	DO-225.000	DO-226.000	DO-227.000	DO-228.000	DO-229.000	Ownership / Management	
Jurisdiction	DOUGLAS COUNTY				BLM - ROSEBURG DISTRICT				DOUGLAS COUNTY
Federal Landuse Allocation					30				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))				NSO (MAR 1 - JUL 15 (No Activity))
Topsoil Salvage / Federal Lands Soil Risk					1				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 (CULTURAL / WETLAND)



- 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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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Construction Right-of-Way
 - Temporary Construction Right-of-Way
 - Temporary Extra Work Area
 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

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	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

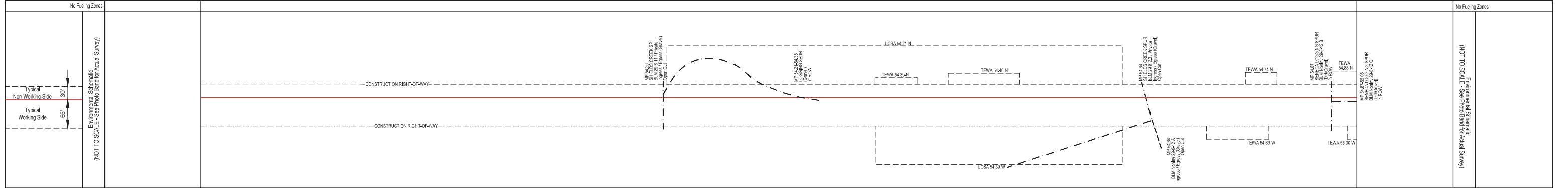
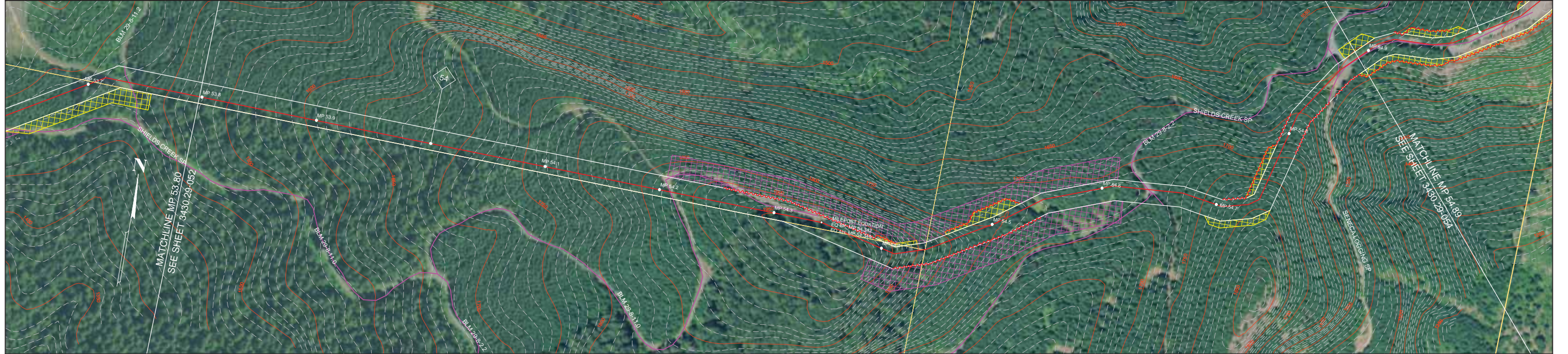
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 53.02 TO 53.80
DOUGLAS 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: 3430.29-052	SHEET 52 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 11, T29S, R8W		SEC 12, T29S, R8W		Legal Location
Ownership / Management	DO-227.000		DO-228.000		Ownership / Management
Jurisdiction	DOUGLAS COUNTY		DOUGLAS COUNTY		Jurisdiction
Federal Land Use Allocation			BLM - ROSEBURG DISTRICT		Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)			3b		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)	NSO (MARCH 1 - JULY 15 (No Activity))		MARBLED MURRELET (APRIL 1 - AUGUST 5 (DTRs))		Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			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 / WETLANDS)		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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

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

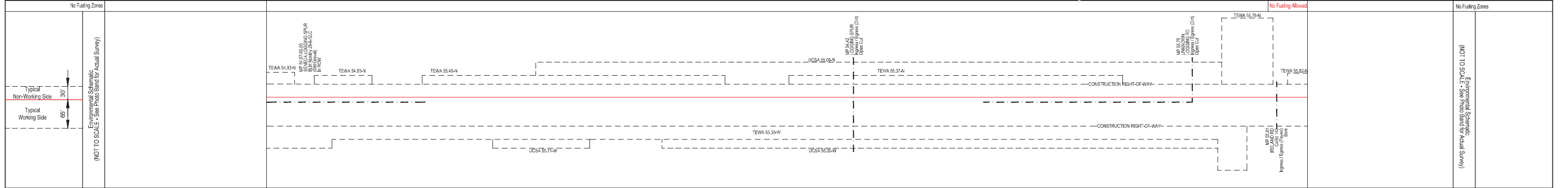
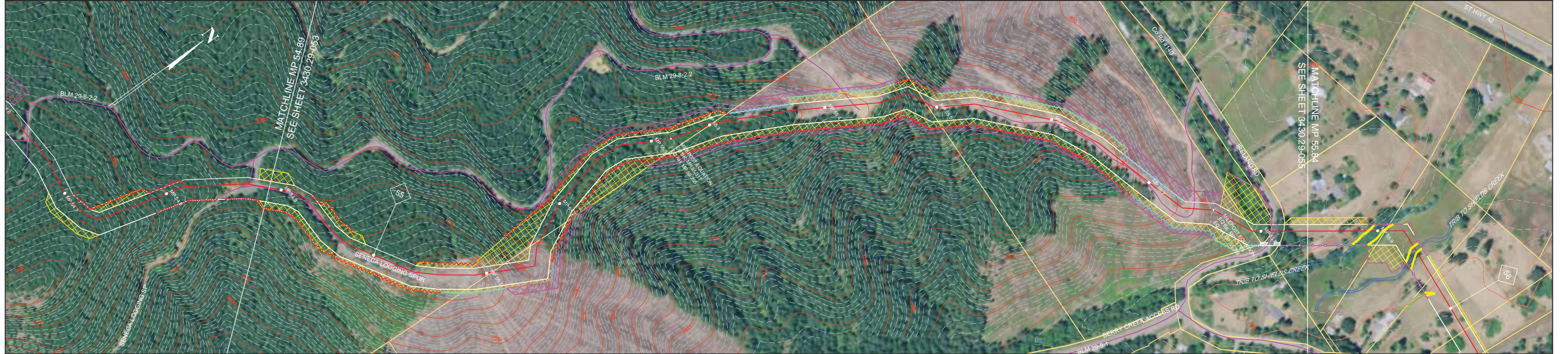
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
 MP 53.80 TO 54.89
 DOUGLAS 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: 3430.29-053 SHEET 53 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 12, T29S, R8W			SEC 1, T29S, R8W			Legal Location
Ownership / Management	DO-228.000	DO-229.000	DO-229.000	DO-229.000	DO-229.000	DO-229.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY						Jurisdiction
Federal Landuse Allocation							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							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)						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
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Construction Right-of-Way
 - Temporary Construction Right-of-Way (Shown white on photography)
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 - Uncleared Storage Area
 - Pipe Yard
 - Aboveground Facility
 - Rock Source/Disposal
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 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK	
1-Very Low	2-Moderate
3-Moderate	4-High
5-Very High	

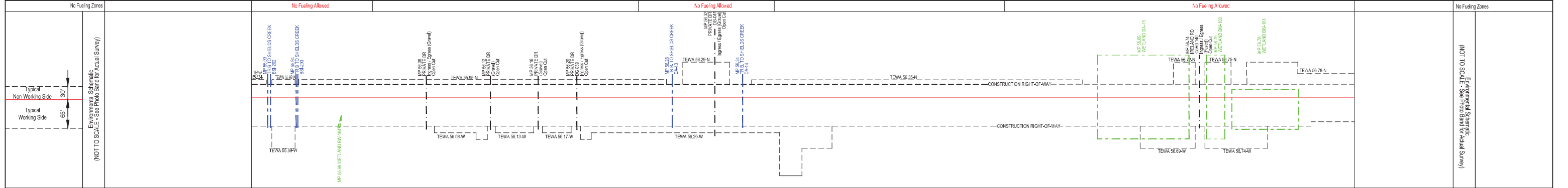
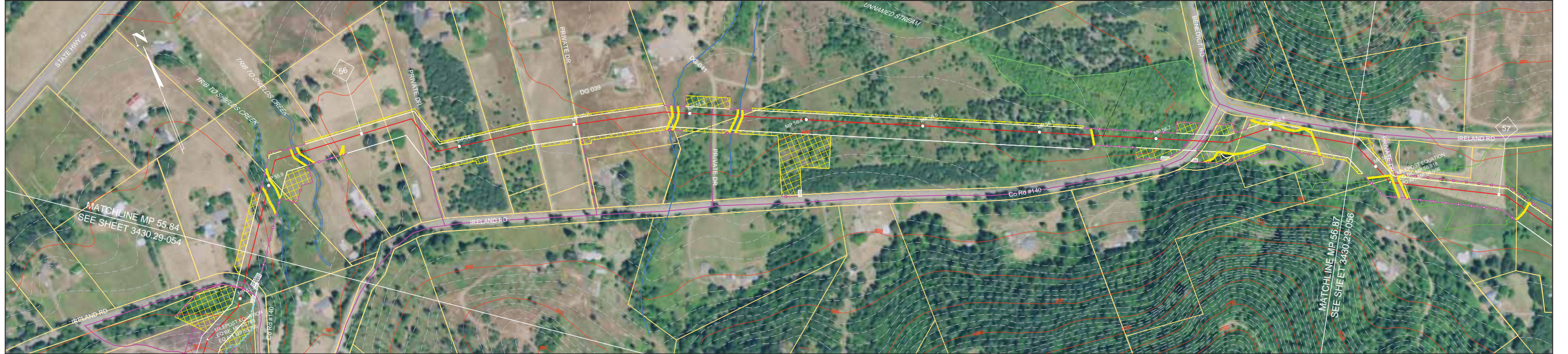
PUBLIC

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

**SPREAD #3
MP 54.89 TO 55.84
DOUGLAS 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: 3430.29-054	SHEET 54 OF 226

Legal Location	SEC 1, T29S, R6W	SEC 6, T29S, R7W	SEC 7, T29S, R7W	Legal Location
Ownership / Management	DO-233.000 DO-234.000 DO-235.000 DO-236.000 DO-237.000 DO-238.000 DO-239.000 DO-240.000 DO-241.000	DO-242.000 DO-243.000 DO-244.000 DO-245.000 DO-246.000	DO-247.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			Jurisdiction
Federal Land Use Allocation	NOV - MAY			Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	Tribes to Shields Creek Tribes to Shields Creek			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	DA-15 BW-160 BW-161			Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open Cut / July 1 - Sept. 15 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 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP		REVISIONS	
NO.	DATE	BY	DESCRIPTION
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

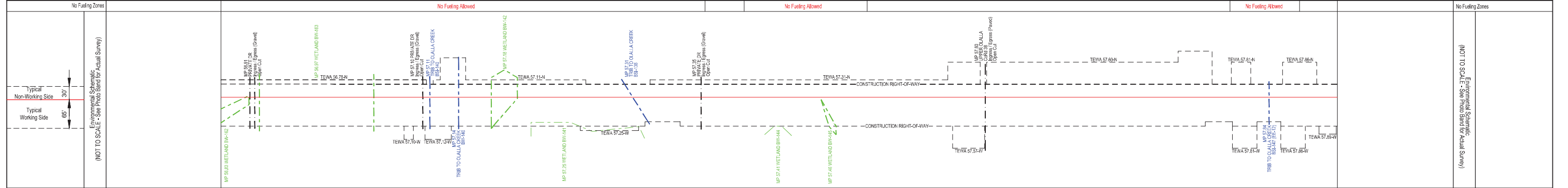
PUBLIC

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

**SPREAD #3
MP 55.84 TO 56.87
DOUGLAS 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: 3430.29-055	SHEET 55 OF 226

Legal Location	SEC 7, T29S, R7W				SEC 8, T29S, R7W				Legal Location
Ownership / Management	DO-247.000	DO-249.000	DO-250.000	DO-251.000	DO-252.000	UPPER OALLA RD 38 DO-253.000RD	DO-254.000	DO-255.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY								Jurisdiction
Federal Land Use Allocation									Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	BW-162	BW-163	Trib to Ollala Creek	BW-142	BW-141	Trib to Ollala Creek	BW-144	BW-145	Trib to Ollala Creek
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15				Dry Open-Cut / July 1 - Sept. 15				Dry Open-Cut / July 1 - Sept. 15
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 Survey Status (wetlands as of July 2017)	RESIDENTIAL - 3430.33-X-0002				RESIDENTIAL - 3430.33-X-0003				RESIDENTIAL - 3430.33-X-0003



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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE	Aug-2019	Issued for FERC DEIS Response

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

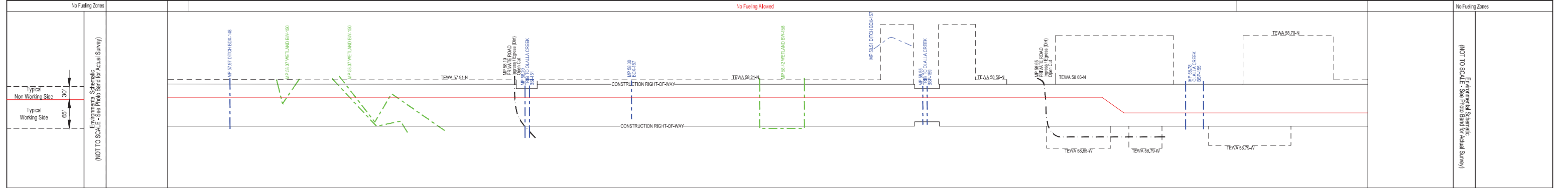
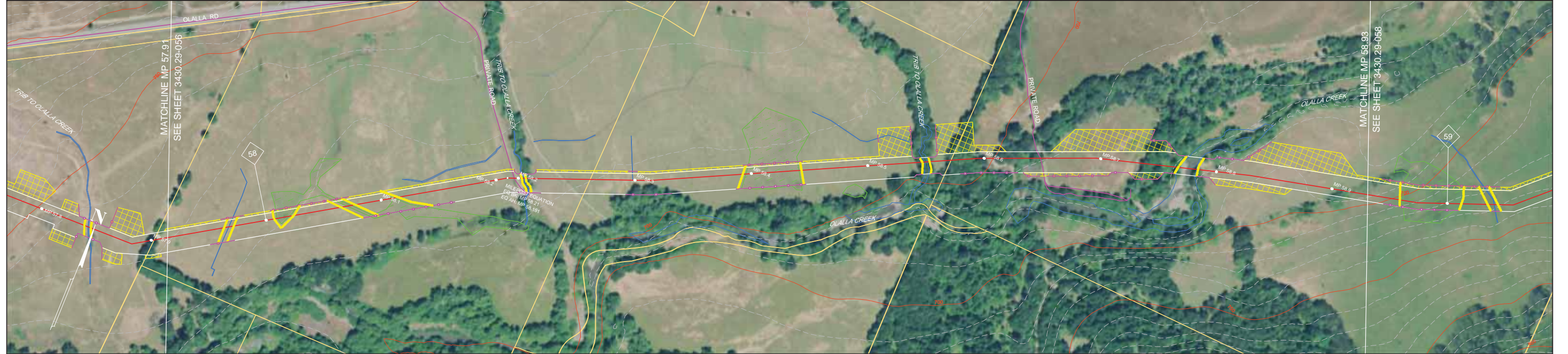
PUBLIC

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

SPREAD #3
MP 56.87 TO 57.91
DOUGLAS 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: 3430.29-056	SHEET 56 OF 226

Legal Location	SEC 8, T29S, R7W	SEC 9, T29S, R7W	SEC 4, T29S, R7W	Legal Location
Ownership / Management	DO-255.000	DO-256.0000L	DO-257.000 OLALLA CREEK DO-257.0000C	DO-257.000 Ownership / Management
Jurisdiction	DOUGLAS COUNTY			Jurisdiction
Federal Land Use Allocation	NOV - MAY			Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Ditch	BW-150	Tribe to Olalla Creek	Ditch
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15		Dry Open-Cut / July 1 - Sept. 15	Dry Open-Cut / July 1 - Sept. 15
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	ACCESS DENIED (WETLAND)			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)				Survey Status (wetlands as of July 2017)



No Fueling Zones	No Fueling Allowed	No Fueling Zones
Typical Non-Working Side 30'	Typical Working Side 65'	Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)

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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 1 inch = 200 Feet

PUBLIC

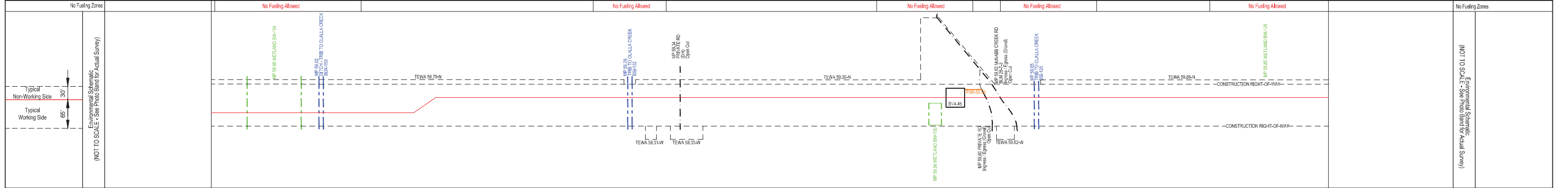
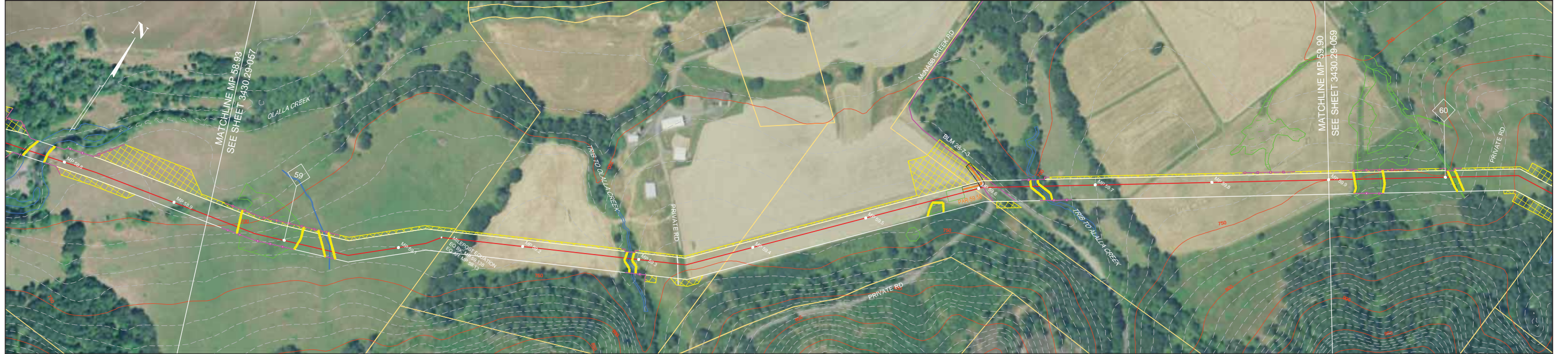
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3
MP 57.91 TO 58.93
DOUGLAS 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: 3430.29-057	SHEET 57 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 4, T29S, R7W		SEC 3, T29S, R7W		Legal Location
Ownership / Management	DO-257.000	DO-258.000	DO-259.000	DO-260.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY				Jurisdiction
Federal Land Use Allocation	NOV - MAY				Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	BW-154	Trib to Olalla Creek	BW-130	Trib to Olalla Creek	BW-123
Crossing Method / Instream Construction Window	Dry Open-Cut / July 1 - Sept. 15		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	ACCESS DENIED (WETLAND)				Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)	BVA #5				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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

200 0 200 400 FEET

PUBLIC

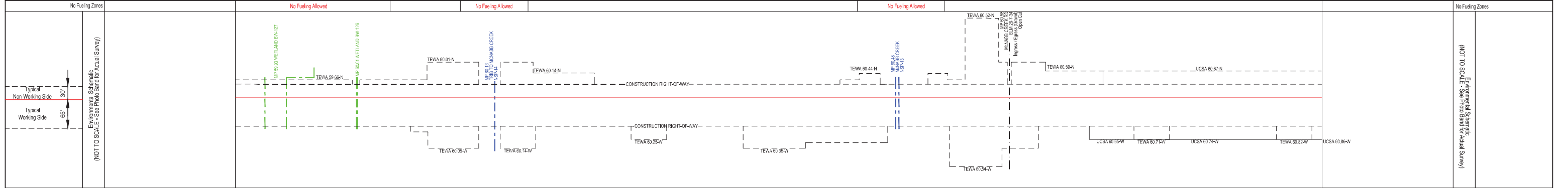
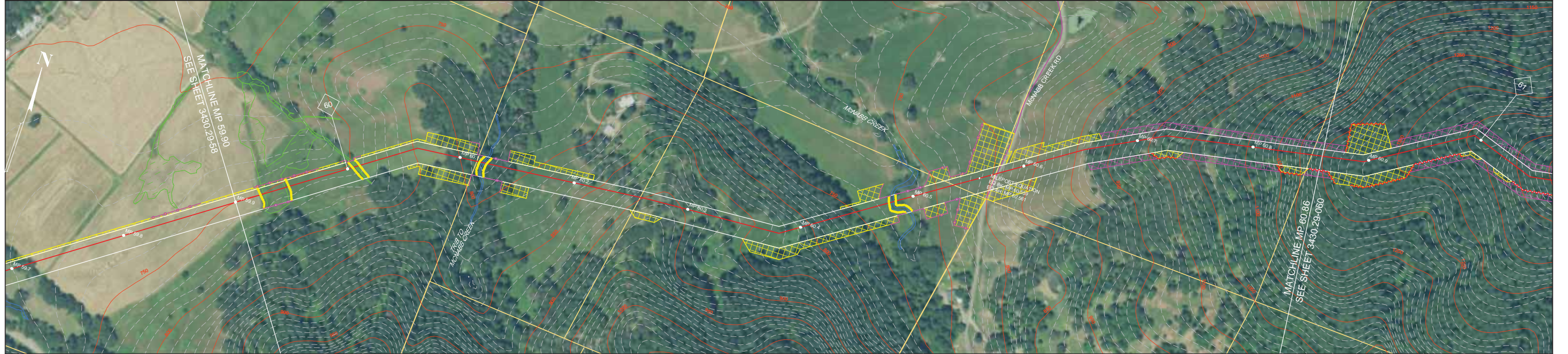
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 58.93 TO 59.90
DOUGLAS 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: 3430-29-058	SHEET 58 OF 226

Pacific Connector
GAS PIPELINE

Legal Location		SEC 3, T28S, R7W	SEC 34, T28S, R7W	SEC 35, T28S, R7W		Legal Location
Ownership / Management		DO-260.000	DO-262.000	DO-263.000	DO-266.000 DO-264.000AB	DO-267.000 DO-268.000
Jurisdiction		DOUGLAS COUNTY				3a
Federal Land Use Allocation						
Areas of High Groundwater (Potential Trench Dewatering)		NOV - MAY				
Wetland / Waterbody		Trib to McNabb Creek McNabb Creek				
Crossing Method / Instream Construction Window		Dry Open-Cut / July 1 - Sept. 15				
Biological Seasonal Construction Window (as of September 2017)		MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs))				
Topsoil Salvage / Federal Lands Soil Risk						3
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)		ACCESS DENIED (WETLAND)				



NOTES:

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- 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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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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
- 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 Window (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

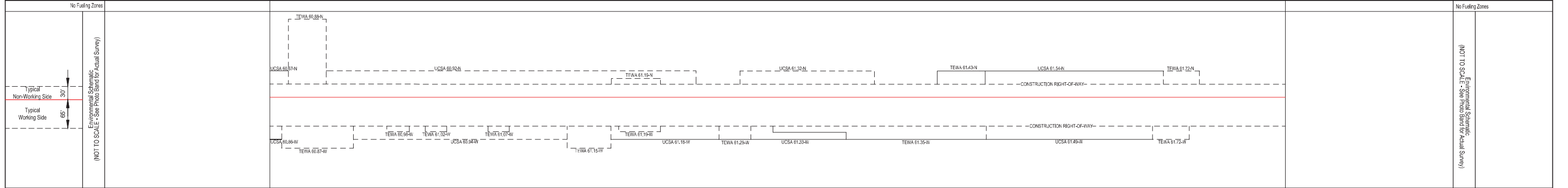
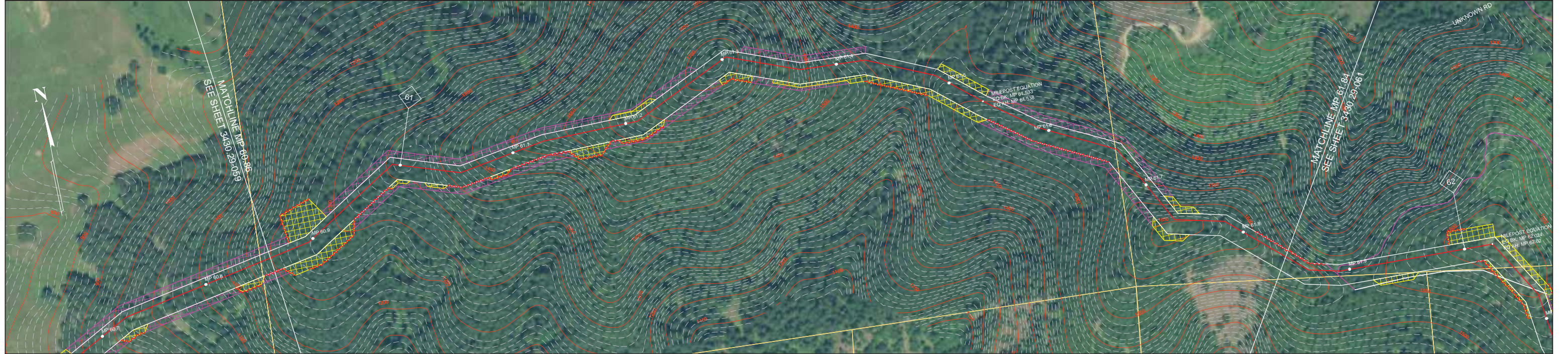
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3
MP 59.90 TO 60.86
DOUGLAS 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: 3430.29-059	SHEET 59 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 36, T28S, R7W	Legal Location
Ownership / Management	DO-268.000	Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Landuse Allocation	3a	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	3 2 3 2 3	Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	2 1 2 3 1	Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)



NOTES:

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- 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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LEGEND

- Proposed Pipeline
- 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 Window (SFW)
- Construction Entrance Pad (CE)
- 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		REVISIONS			
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estabulo Management Area					
6 - Harvest Land Base (Unsero-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

PUBLIC

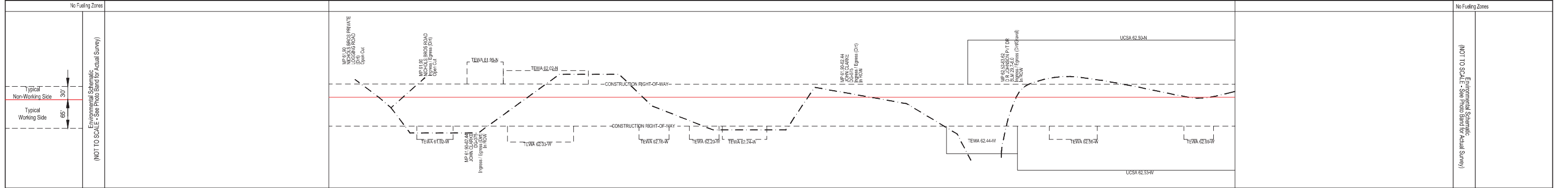
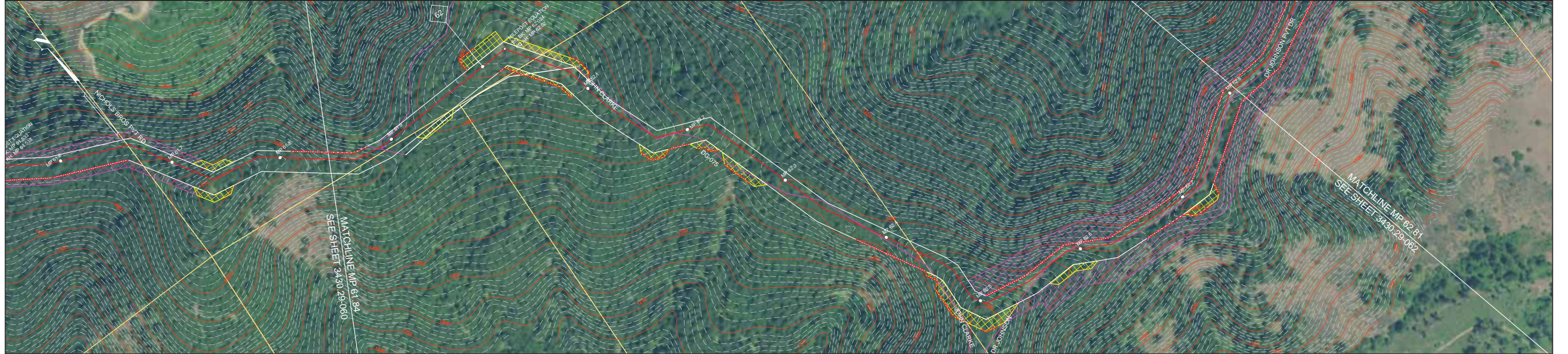
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 60.86 TO 61.84
DOUGLAS 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: 3430.29-060	SHEET 60 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 36, T29S, R7W	SEC 1, T29S, R7W	Legal Location
Ownership / Management	DO-268.000 DO-270.000	DO-271.000	DO-272.000 Ownership / Management
Jurisdiction	DOUGLAS COUNTY		
Federal Landuse Allocation			
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody			
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)	MARPLED MURRELET (APRIL 1 - AUGUST 5 (OTR))		
Topsoil Salvage / Federal Lands Soil Risk			
Hydrostatic Test Water Release / Aboveground Facilities / Residential			
Survey Status (wetlands as of July 2017)	ACCESS DENIED (WETLAND)		



No Fencing Zones		No Fencing Zones
Typical Non-Working Side 30'		Typical Working Side 65'
Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)		Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)

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
- 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 Window (SFW)
- Construction Entrance Pad (CE)
- 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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

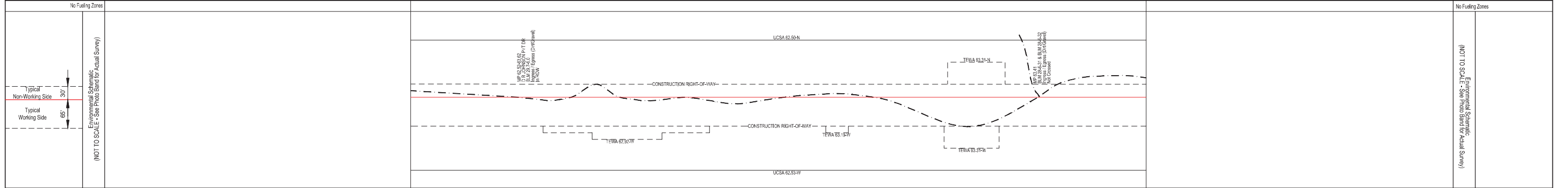
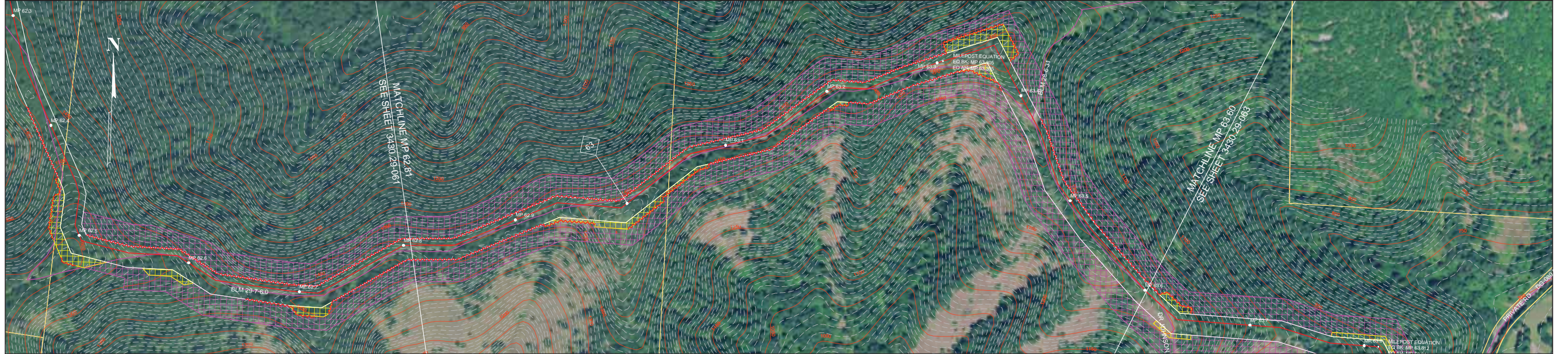
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 61.84 TO 62.81
DOUGLAS 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: 3430.29-061	SHEET 61 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SE 1, T29S, R7W	SE 6, T29S, R6W	Legal Location
Ownership / Management	DO-272.000	DO-273.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY		Jurisdiction
Federal Land Use Allocation			Federal Land Use 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			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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- 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
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFW)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP				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		

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 200 400 FEET

PUBLIC

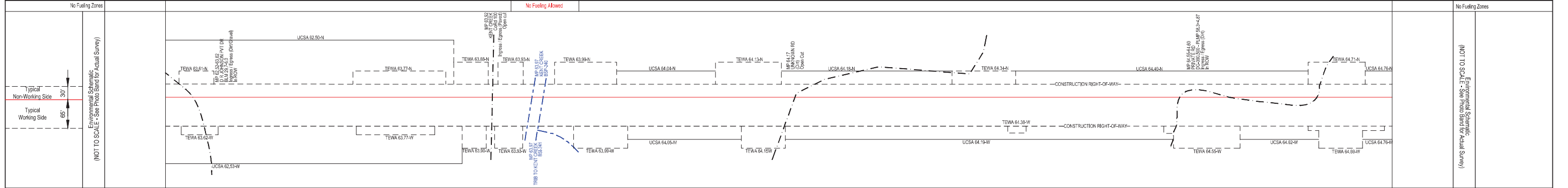
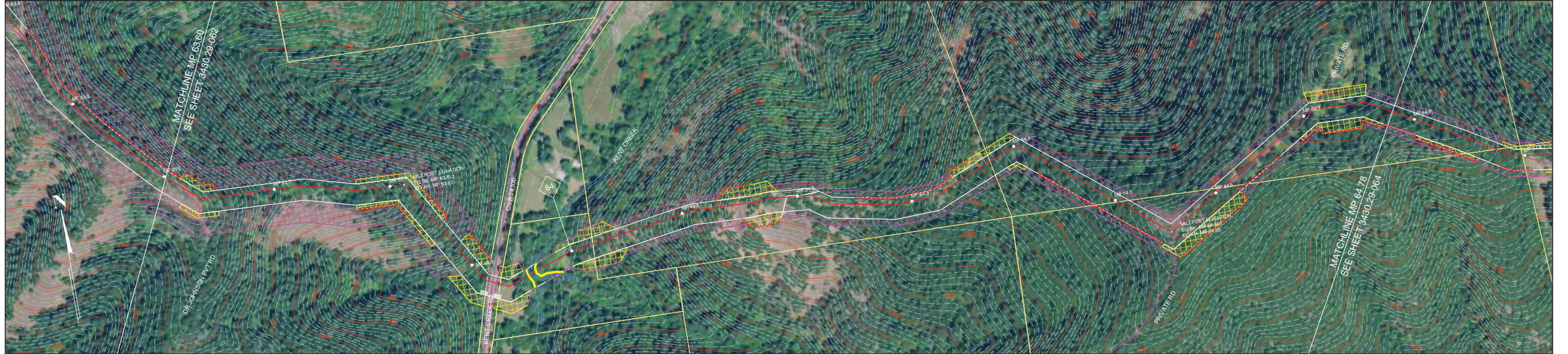
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3
MP 62.81 TO 63.60
DOUGLAS 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: 3430.29-062	SHEET 62 OF 226

Pacific Connector
GAS PIPELINE

Legal Location		SEC 6, T29S, R6W		SEC 5, T29S, R6W		Legal Location
Ownership / Management	DO-273.000	KENT CREEK CANY RD 100 DO-274.000RD DO-275.000 KENT CREEK DO-277.000VIC DO-276.000	DO-276.000	DO-278.000	DO-280.000	DO-278.000
Jurisdiction		DOUGLAS COUNTY		BLM - ROSEBURG DISTRICT	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT
Federal Landuse Allocation				6		6
Areas of High Groundwater (Potential Trench Dewatering)						2a
Wetland / Waterbody		Kent Creek & Trib to Kent Creek				6
Crossing Method / Instream Construction Window		Dry Open-Cut / July 1 - Sept. 15				2b
Biological Seasonal Construction Window (as of September 2017)						6
Topsoil Salvage / Federal Lands Soil Risk						2
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.
 - 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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 - 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
- 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 Window (SFV)
- Construction Entrance Pad (CE)
- 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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

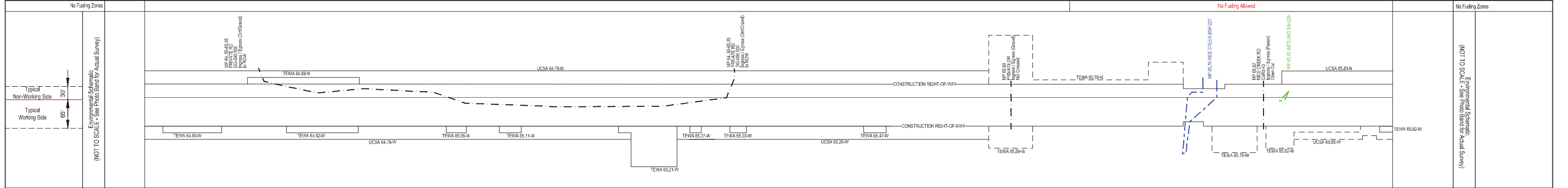
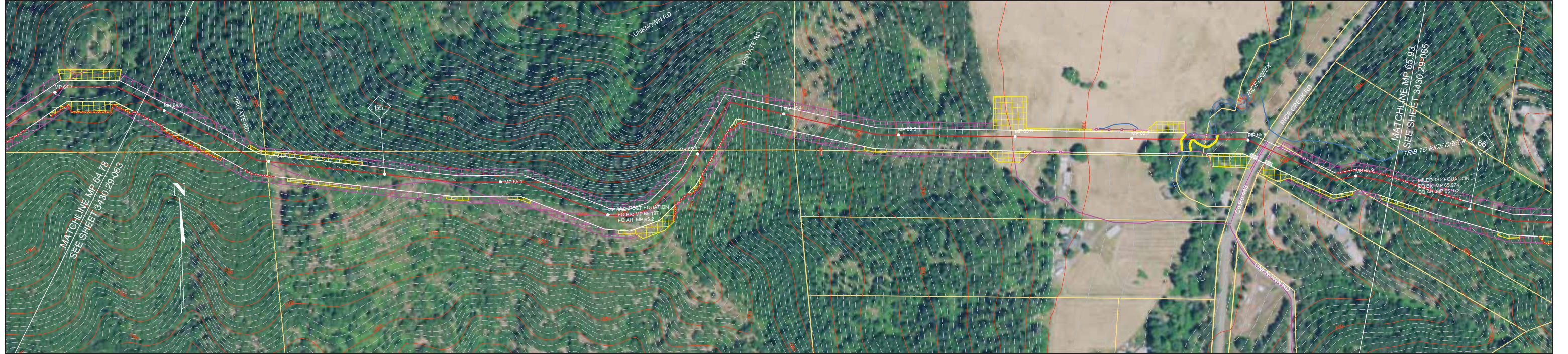
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 63.60 TO 64.78
DOUGLAS 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: 3430.29-063 SHEET 63 OF 226

Pacific Connector GAS PIPELINE

Legal Location	SEC 5, T29S, R6W				SEC 4, T29S, R6W				Legal Location		
Ownership / Management	DO-278.000	DO-280.000	DO-281.000	DO-282.000	DO-284.000RT	DO-283.000	DO-286.000RT	DO-285.000	DO-289.000	DO-291.000	Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT				DOUGLAS COUNTY						Jurisdiction
Federal Landuse Allocation	6										Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)											Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody									Rice 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	2										Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)					RESIDENTIAL - 3430.33-X-0004				RESIDENTIAL - 3430.33-X-0005		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.
 - 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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LEGEND

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

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

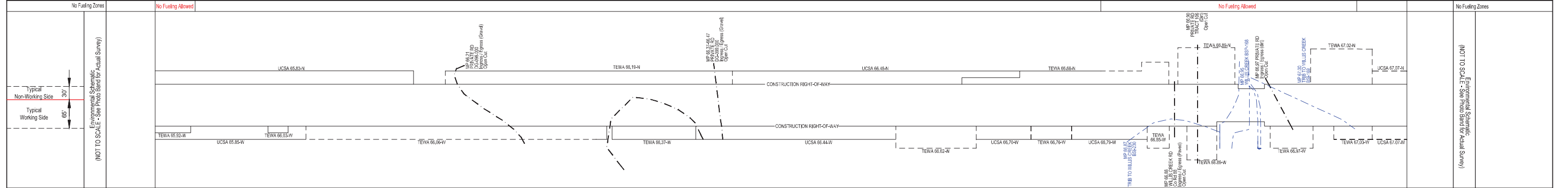
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 64.78 TO 65.93
DOUGLAS 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: 3430.29-064	SHEET 64 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 4, T29S, R6W							SEC 3, T29S, R6W			SEC 10, T29S, R6W				Legal Location																										
Ownership / Management	DO-291.000							DO-292.000			DO-293.000			DO-294.000			DO-295.000			DO-296.000			DO-297.000			WILLS CREEK DC-300.000RD			DO-301.000			DO-302.000			DO-303.000			DO-301.000			Ownership / Management
Jurisdiction	DOUGLAS COUNTY																											Jurisdiction													
Federal Land Use Allocation																												Federal Land Use 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																												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 (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.
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LEGEND

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

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

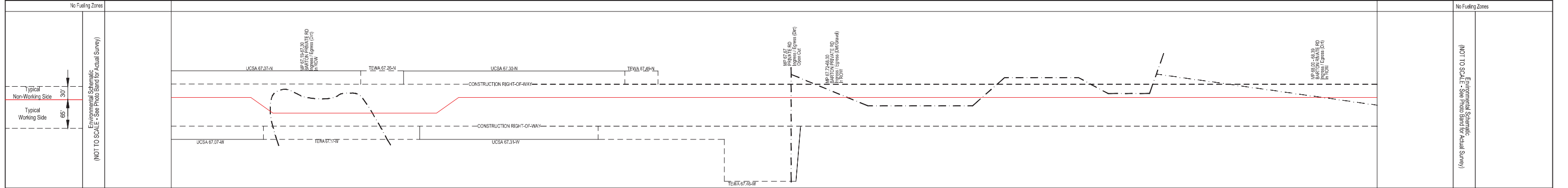
PUBLIC

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

SPREAD #3
MP 65.93 TO 67.10
DOUGLAS 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: 3430.29-065	SHEET 65 OF 226

Legal Location	SEC 10, T29S, R6W	SEC 11, T29S, R6W	Legal Location
Ownership / Management	DO-301.000	DO-301.002	Ownership / Management
Jurisdiction	DOUGLAS COUNTY		Jurisdiction
Federal Landuse Allocation			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			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)		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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LEGEND

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

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

BLM LANDUSE - 2016 RMP		REVISIONS			
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estuaries Management Area					
6 - Harvest Land Base (Unzero-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

Scale: 0, 200, 400 FEET

PUBLIC

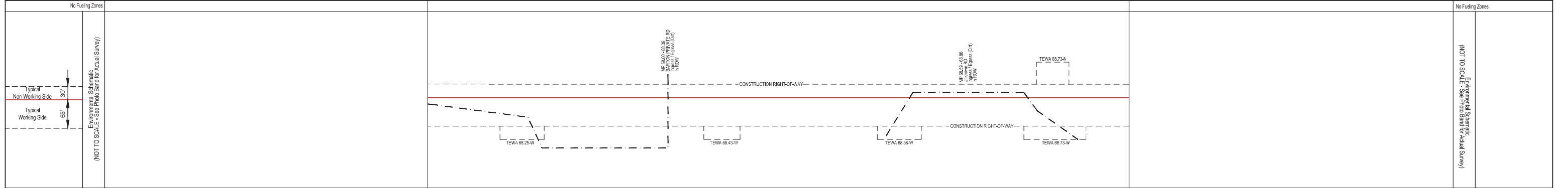
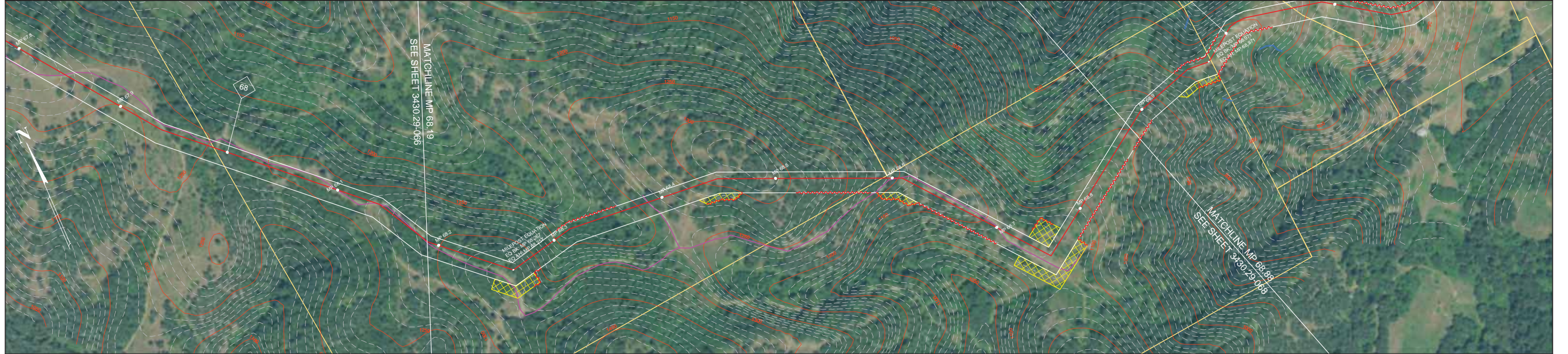
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3
MP 67.10 TO 68.19
DOUGLAS 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: 3430.29-066	SHEET 66 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 11, T29S, R6W	SEC 14, T29S, R6W	Legal Location
Ownership / Management	DO-311.002	DO-301.035	Ownership / Management
Jurisdiction	DOUGLAS COUNTY		Jurisdiction
Federal Landuse Allocation	NONE		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	ACCESS DENIED (CULTURAL / WETLAND)		Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	ACCESS DENIED (CULTURAL / WETLAND)		Wetland / Waterbody
Crossing Method / Instream Construction Window	NONE		Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	NONE		Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	NONE		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential	NONE		Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL / WETLAND)		Survey Status (wetlands as of July 2017)



No Fueling Zones		No Fueling Zones	
<p>Typical Non-Working Side: 30'</p> <p>Typical Working Side: 65'</p> <p>Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)</p>		<p>Environmental Schematic (NOT TO SCALE - See Photo Band for Actual Survey)</p>	

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 Window (SFV)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

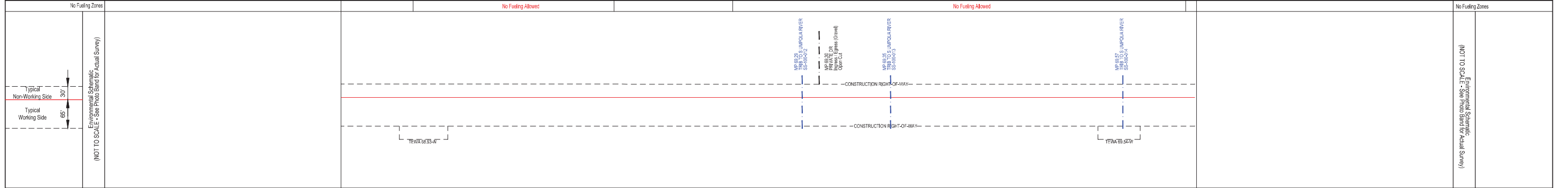
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 68.19 TO 68.88
DOUGLAS 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: 3430.29-067	SHEET 67 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 14, T29S, R6W		SEC , T29S, R6W		SEC 13, T29S, R6W		Legal Location
Ownership / Management	DC-301.035	DC-301.036	DC-301.037	DC-301.038	DC-301.039		Ownership / Management
Jurisdiction	DOUGLAS COUNTY						Jurisdiction
Federal Landuse Allocation							Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)							Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib South Umpqua River						Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open Cut / July 1 - Sept. 15		Dry Open Cut / July 1 - Sept. 15		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:**
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- Slash Filter Window (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

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

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REVISIONS

200 0 200 400 FEET

PUBLIC

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

SPREAD #3
MP 68.88 TO 69.62
DOUGLAS 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: 3430.29-068 SHEET 68 OF 226

Pacific Connector
GAS PIPELINE