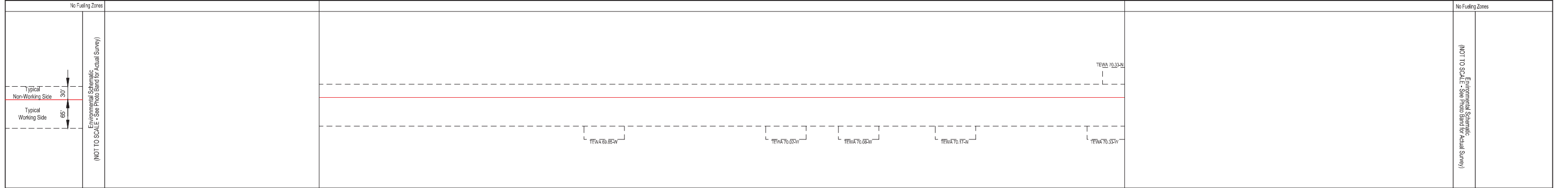
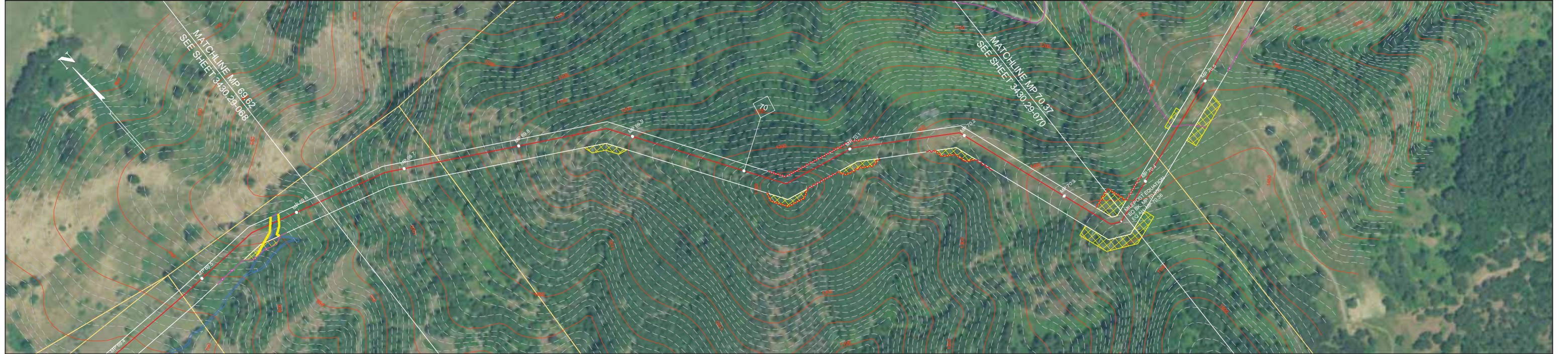


Legal Location	SEC 13, T29S, R6W	SEC 13, T29S, R6W	Legal Location
Ownership / Management	DC-301.039	DC-301.040	DC-301.041
Jurisdiction	DOUGLAS COUNTY		
Federal Landuse Allocation			
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody			
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk			
Hydrostatic Test Water Release / Aboveground Facilities / Residential			
Survey Status (wetlands as of July 2017)	WETLAND SURVEY PENDING		



**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				
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 (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

Scale: 200 0 200 400 FEET

**PUBLIC**

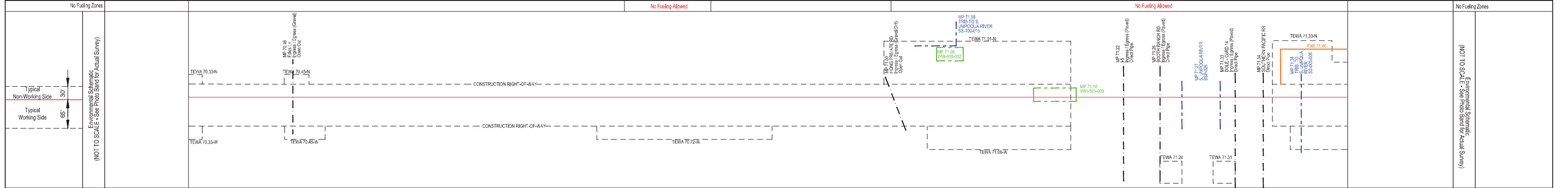
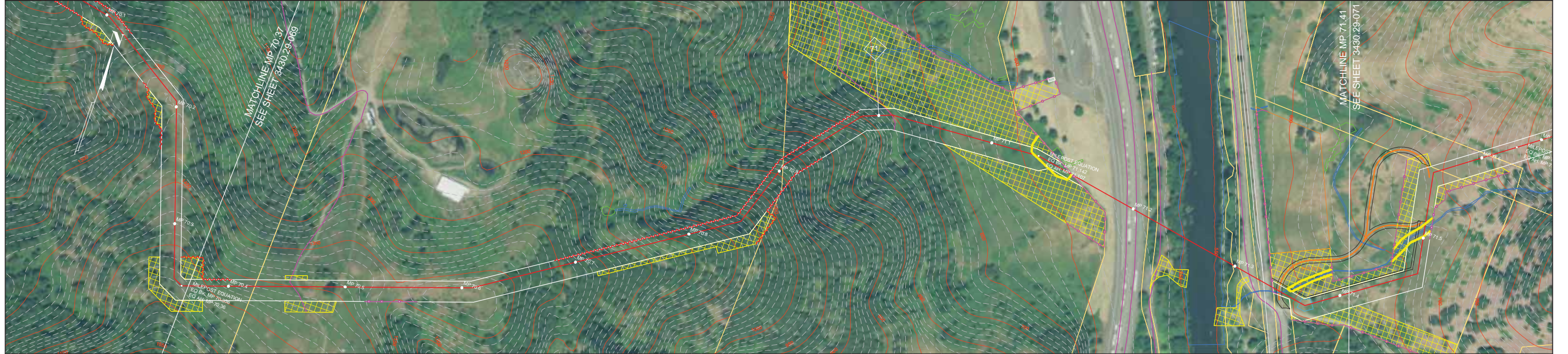
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #3**  
**MP 69.62 TO 70.37**  
**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: 3430.29069	SHEET 69 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 18, T29S, R6W	SEC 18, T29S, R5W	SEC 18, T29S, R5W						Legal Location	
Ownership / Management		DO-301.041		DO-301.042	ODOT DO-301.608	DO-301.043 SOUTH UMPQUA RIVER DO-301.809	DO-301.063 DOLE RD	DO-301.613	DO-301.063	Ownership / Management
Jurisdiction	DOUGLAS COUNTY									
Federal Land Use Allocation										
Areas of High Groundwater (Potential Trench Dewatering)	DEC - MAR									
Wetland / Waterbody				Trib to S Umpqua River	South Umpqua River	Ditch				
Crossing Method / Instream Construction Window				Dry Open-Cut / July 1 - Sept. 15	Direct Pipe / July 1 - Aug. 31	Dry Open-Cut / July 1 - Sept. 15				
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)	HYDROSTATIC TEST BREAK									



- 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
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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

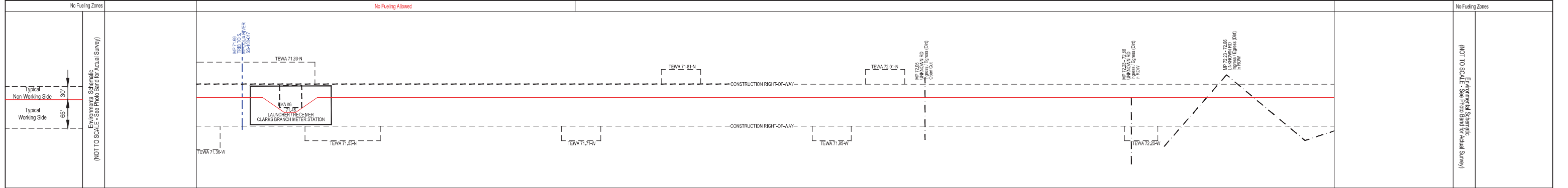
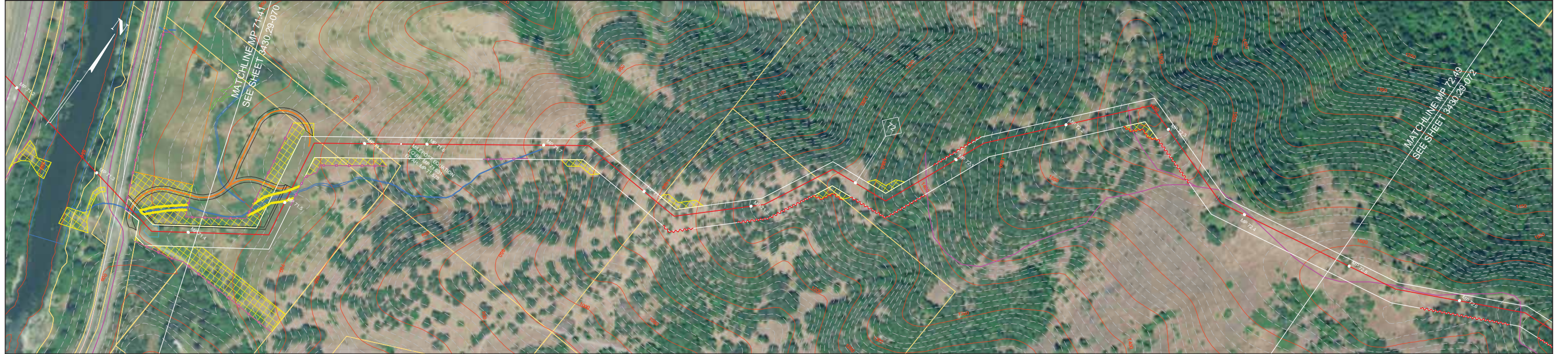
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

SPREAD #3 & #4  
 MP 70.37 TO 71.41  
 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: 3430-29-070	SHEET 226 OF 270

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 18, T29S, R5W	SEC 7, T29S, R5W	SEC 8, T29S, R5W	Legal Location
Ownership / Management	DO-301.052	DO-325.010	DO-301.045	DO-301.047
Jurisdiction	DOUGLAS COUNTY			
Federal Land Use Allocation				
Areas of High Groundwater (Potential Trench Dewatering)				
Wetland / Waterbody	Trib to S Umpqua River			
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	CLARK'S BRANCH MTS BVA #6 LAUNCHER / RECEIVER			
Survey Status (wetlands as of July 2017)	ACCESS DENIED (WETLAND)		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)
- 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	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 (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

Scale: 200 0 200 400 FEET

**PUBLIC**

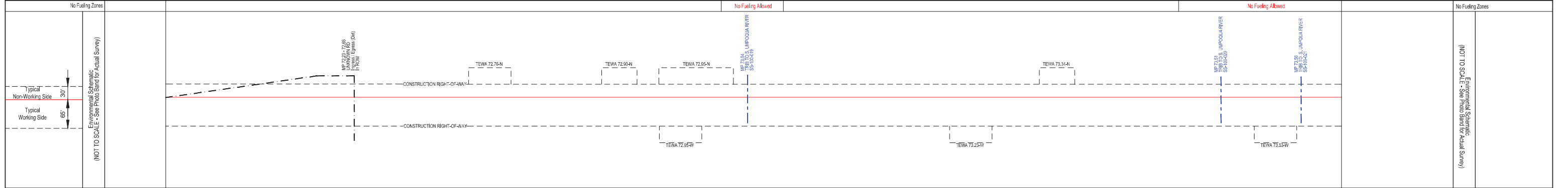
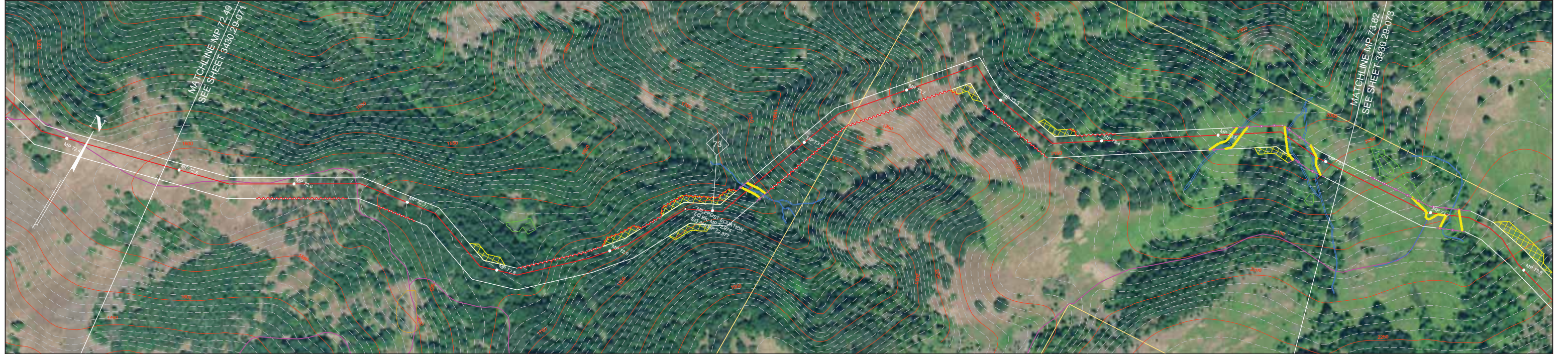
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 71.41 TO 72.49**  
**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: 3430.29-071	SHEET 71 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 6, T29S, R5W	SEC 9, T29S, R5W	Legal Location
Ownership / Management	DO-301.047	DO-301.048	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	Tribe to S. Umpqua River	Tribe to S. Umpqua River    Tribe to Richardson Creek	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 Survey Status (wetlands as of July 2017)	HYDROSTATIC TEST BREAK		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)
- 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	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**

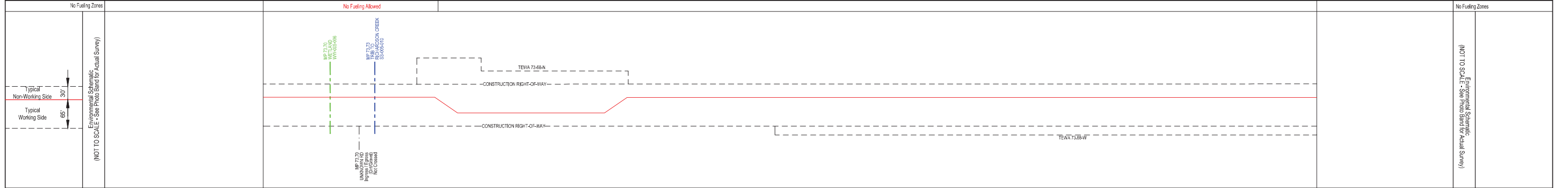
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 72.49 TO 73.62**  
**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: 3430.29-072    SHEET 72 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 9, T29S, R5W		SEC 10, T29S, R5W		Legal Location
Ownership / Management	DO-301.046	DO-301.049	DO-301.050	DO-301.072	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	WW-005-006 Trib to Richardson 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)	WETLAND SURVEY PENDING				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
- 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**

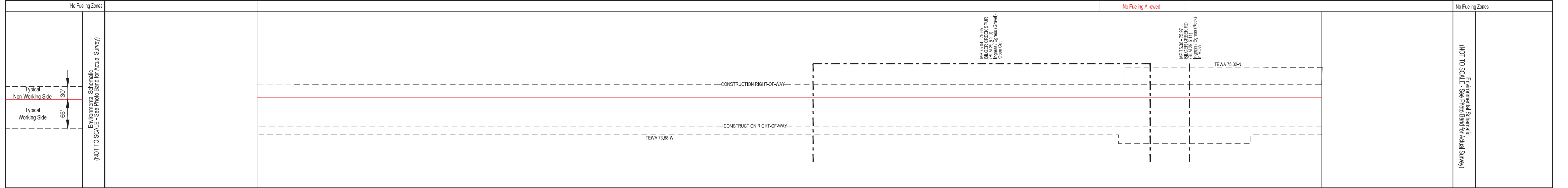
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 73.62 TO 74.55**  
**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: 3430.29-073 SHEET 73 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 10, T29S, R5W	SEC 3, T29S, R5W	SEC 34, T28S, R5W	Legal Location
Ownership / Management	DO-301.072	DO-301.051	DO-355.501	Ownership / Management
Jurisdiction		BLM - ROSEBURG DISTRICT	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 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.
- 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: 200 0 200 400 FEET

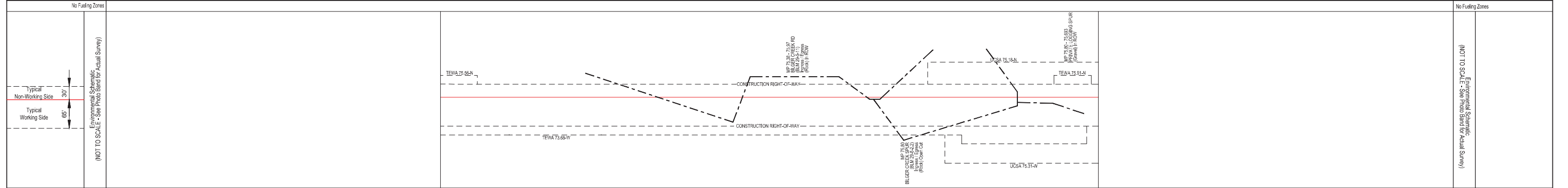
**PUBLIC**

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

**SPREAD #4**  
**MP 74.55 TO 75.50**  
**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: 3430.29-074 SHEET 74 OF 226

Legal Location	SEC 2, T29S, R5W				Legal Location
Ownership / Management	DO-365.501	DO-365.505	DO-365.506	DO-365.507	Ownership / Management
Jurisdiction	BLM - ROUSEBURG DISTRICT		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 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.
- 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
  - 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.	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: 200 0 200 400 FEET

**PUBLIC**

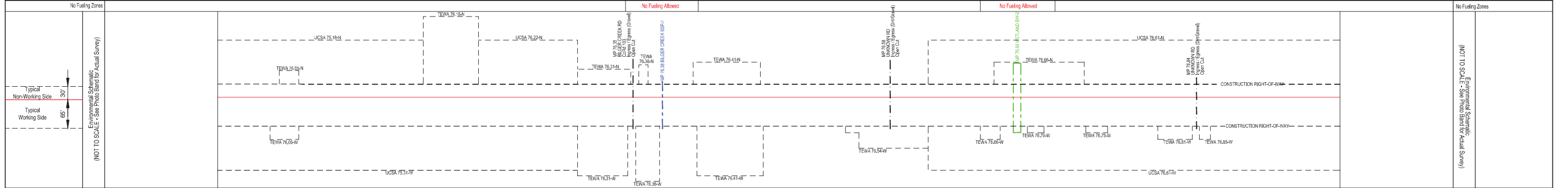
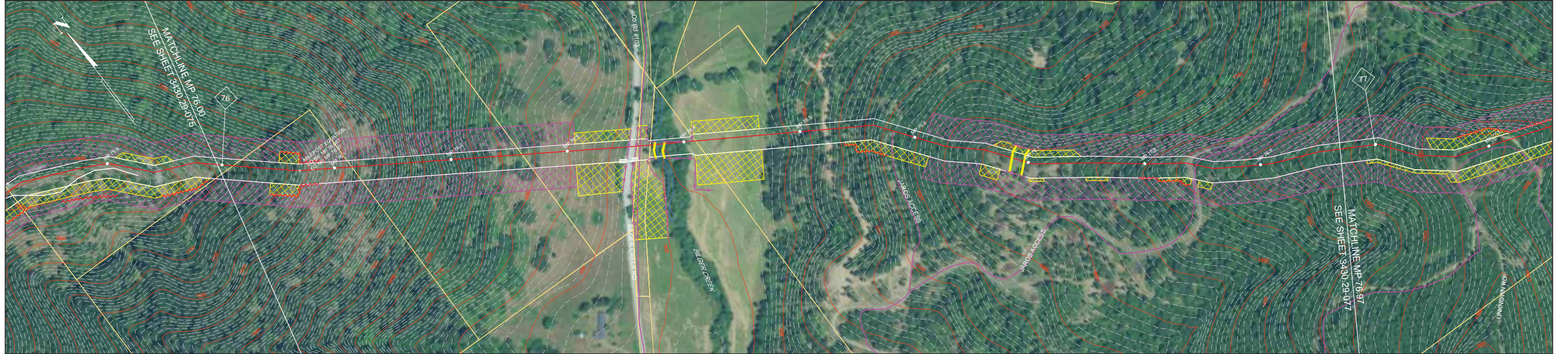
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 75.50 TO 76.00**  
**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: 3430-29-075	SHEET 75 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 2, T29S, R5W				SEC 1, T29S, R5W				Legal Location
Ownership / Management	DO-356.000	DO-357.000	DO-356.000	COUNTY ROAD 103 DO-360.000RD DO-359.000	DO-356.000	DO-359.000			Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT				DOUGLAS COUNTY				Jurisdiction
Federal Land Use Allocation	3a								Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					NOV - MAY				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody					Bilger 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)					BW-2				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)									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)
- 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 to 400 FEET

**PUBLIC**

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

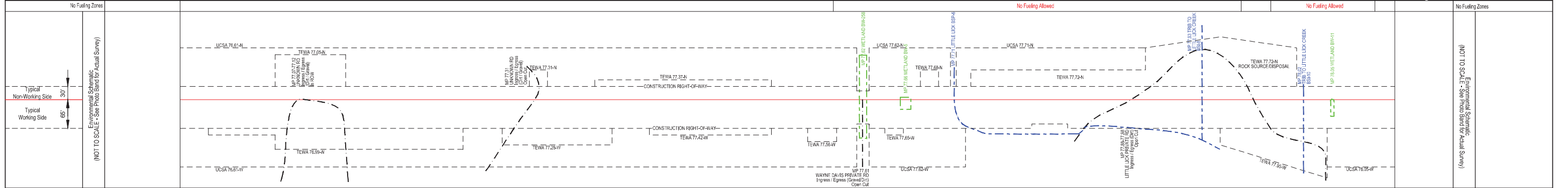
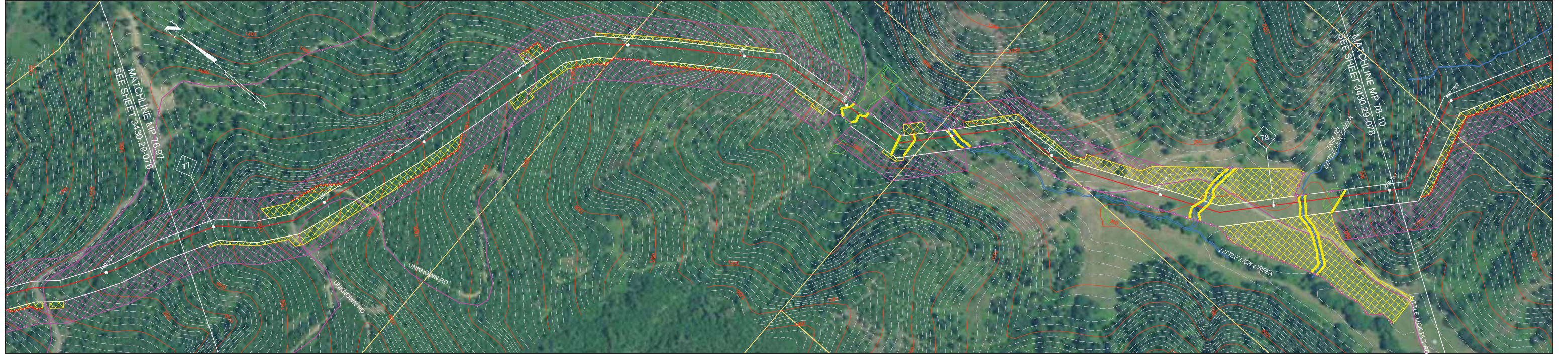
**SPREAD #4  
MP 76.00 TO 76.97  
DOUGLAS COUNTY, OREGON**

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: 3430.29-076	SHEET 76 OF 226

**Pacific Connector**  
GAS PIPELINE

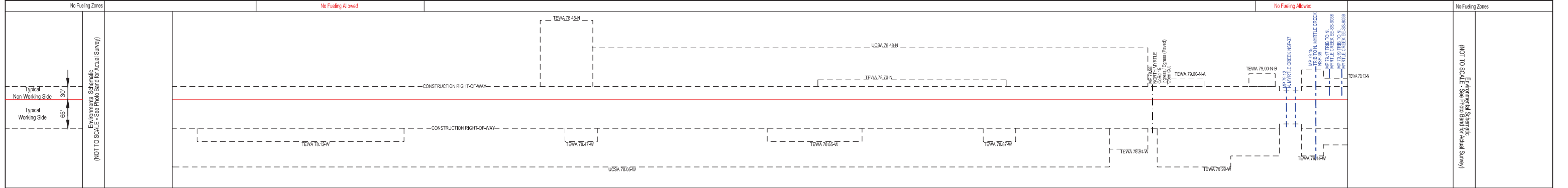
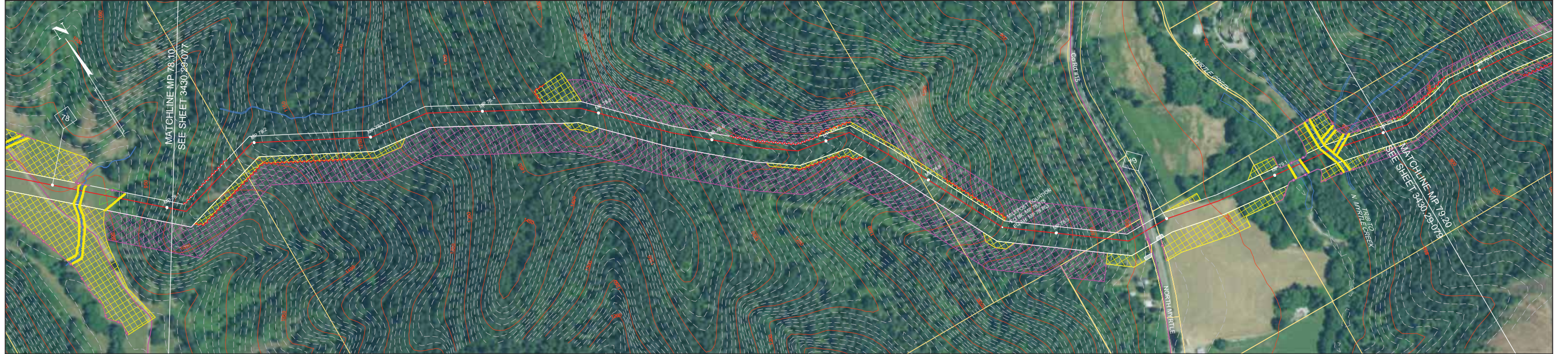


Legal Location	SEC 1, T29S, R5W	SEC 12, T29S, R5W	SEC 7, T29S, R4W	Legal Location
Ownership / Management	DO-366.000	DO-361.000	DO-362.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			Jurisdiction
Federal Land Use Allocation				Federal Land Use Allocation
Areas of High Groundwater (Potential Trench 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)



<p>NOTES:</p> <ol style="list-style-type: none"> <li>In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.</li> <li>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.</li> <li>In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.</li> <li>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.</li> <li>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 &amp; pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.</li> <li>Right-of-way grading or vegetation clearing will occur as necessary.</li> <li>Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.</li> <li>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.</li> </ol>	<p>LEGEND</p> <ul style="list-style-type: none"> <li>Proposed Pipeline</li> <li>Tax Parcel Boundaries</li> <li>Wetland</li> <li>Stream</li> <li>Access Road</li> <li>Permanent / Temporary Access Road (PAR / TAR)</li> <li>Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.</li> <li>Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)</li> <li>Silt Fence (SF)</li> <li>Safety Fence (SAF)</li> <li>Slash Filter Window (SFV)</li> <li>Construction Entrance Pad (CE)</li> <li>Temporary Construction Right-of-Way (Shown white on photography)</li> <li>Temporary Extra Work Area</li> <li>Uncleared Storage Area</li> <li>Pipe Yard</li> <li>Aboveground Facility</li> <li>Rock Source/Disposal</li> </ul>	<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 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"> <li>1-Very Low</li> <li>2-Low</li> <li>3-Moderate</li> <li>4-High</li> <li>5-Very High</li> </ul>	NO.	DATE	BY	DESCRIPTION	CHK.	APP.	2	Sept-2017	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 DEIS Response</td> <td>EE</td> <td>EE</td> </tr> </table>	NO.	DATE	BY	DESCRIPTION	CHK.	APP.	2	Sept-2017	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 #4 MP 76.97 TO 78.10 DOUGLAS 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: 3430.29-077 SHEET 77 OF 226</p>
NO.	DATE	BY	DESCRIPTION	CHK.	APP.																							
2	Sept-2017	EE	Issued for FERC DEIS Response	EE	EE																							
NO.	DATE	BY	DESCRIPTION	CHK.	APP.																							
2	Sept-2017	EE	Issued for FERC DEIS Response	EE	EE																							

Legal Location	SEC 7, T29S, R4W				SEC 8, T29S, R4W		Legal Location
Ownership / Management	DO-363.000	DO-365.000	DO-366.000	DO-370.000.T	DO-371.000	DO-373.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			DOUGLAS COUNTY			Jurisdiction
Federal Landuse Allocation	BLM - ROSEBURG DISTRICT			DOUGLAS COUNTY			Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	6			OCT - JUN			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody				North Myrtle Creek Trib to N Myrtle 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)	NSO (MARCH 1 - JULY 15 (No Activity))						Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	3	2	3	2			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	ACCESS DENIED			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.
- 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 (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	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**

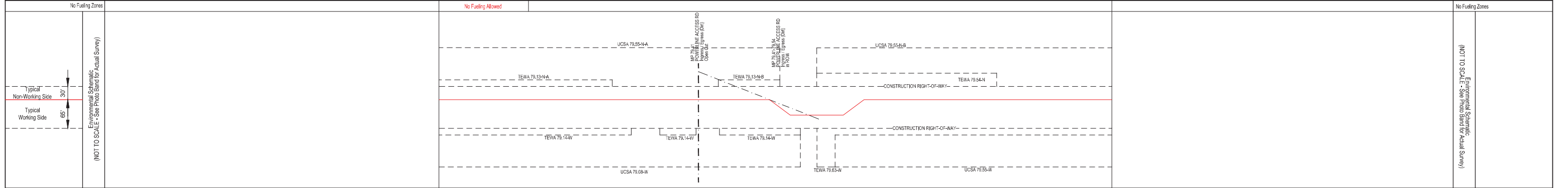
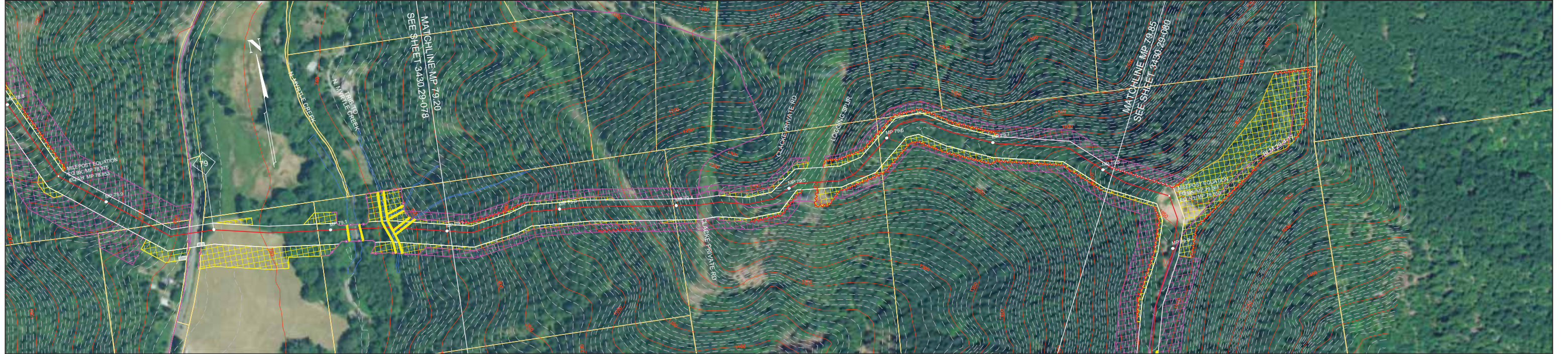
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 78.10 TO 79.20**  
**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: 3430.29-078	SHEET 78 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 17, T29S, R4W			Legal Location	
Ownership / Management	DC-373.000	DC-374.000	DC-375.000	Ownership / Management	
Jurisdiction	DOUGLAS COUNTY			Jurisdiction	
Federal Land Use Allocation	BLM - ROSEBURG DISTRICT			Federal Land Use Allocation	
Areas of High Groundwater (Potential Trench Dewatering)	6			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	NONE	3	2	3	2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL)			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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**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)
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  - Slash Filter Window (SFW)
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**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**

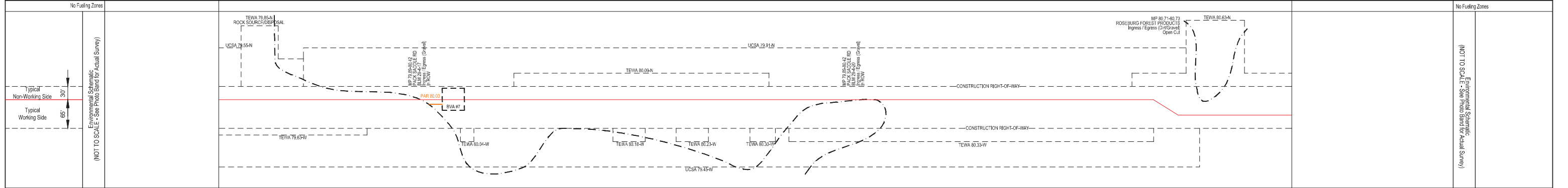
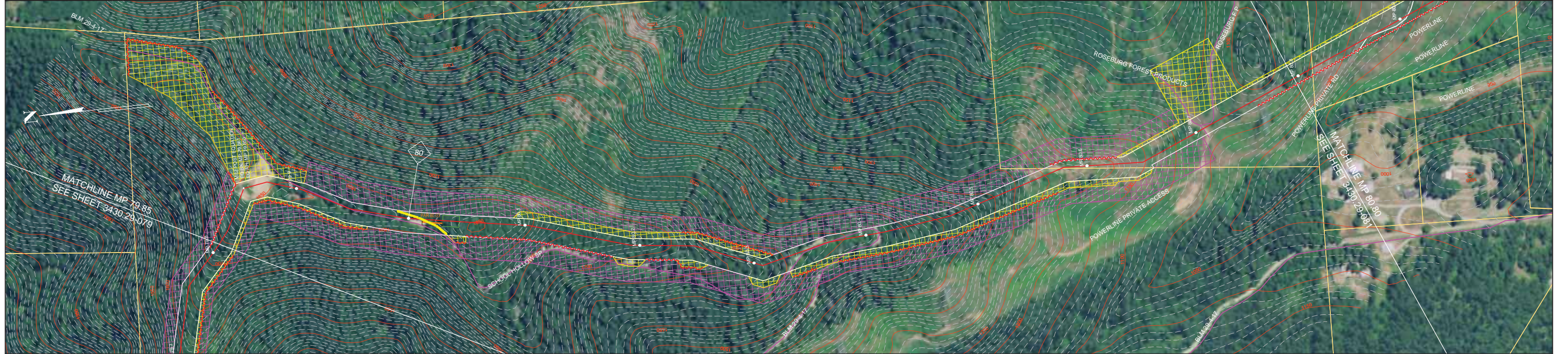
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 79.20 TO 79.85**  
**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: 3430.29-079	SHEET 79 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 17, T29S, R4W										Legal Location	
Ownership / Management	DO-375.000					DO-377.000					Ownership / Management	
Jurisdiction	BLM - ROSEBURG DISTRICT										Jurisdiction	
Federal Landuse Allocation	6					2b					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		2		3		2		3	Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential	BVA #7										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)
- Construction Right-of-Way
  - Temporary Construction Right-of-Way (Shown white on photography)
  - Temporary Extra Work Area
  - Uncleared Storage Area
  - Pipe Yard
  - Aboveground Facility
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- 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)
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  - 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	EE	Issued for FERC Certificate Application	EE	EE
	Aug-2019	EE	Issued for FERC DEIS Response	EE	EE

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Scale: 200 0 200 400 FEET

**PUBLIC**

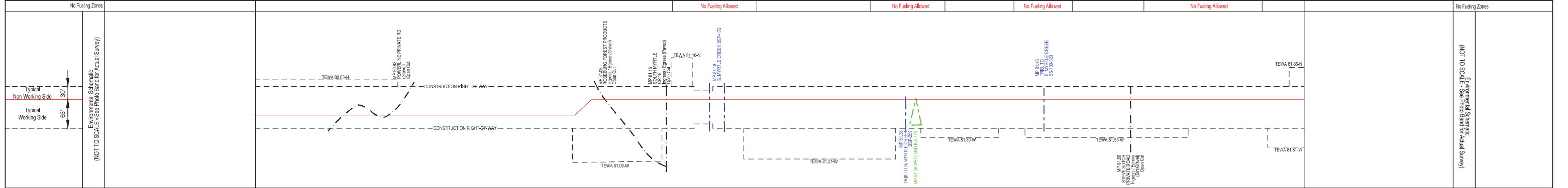
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 79.85 TO 80.80**  
**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: 3430.29-080	SHEET 80 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 17, T29S, R4W	SEC 20, T29S, R4W	SEC 21, T29S, R4W	Legal Location
Ownership / Management	DO-377.000	DO-378.000	DO-382.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			
Federal Land Use Allocation				
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY			
Wetland / Waterbody	South Myrtle Creek, Trib to S Myrtle Creek, B/W-173, Trib to South Myrtle Creek			
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				
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)
- 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
2	Sept-2017	EE	Issued for FERC Certificate Application
	Aug-2019	EE	Issued for FERC DEIS Response

REVISIONS			
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-Moderate
3-Moderate	4-High
5-Very High	

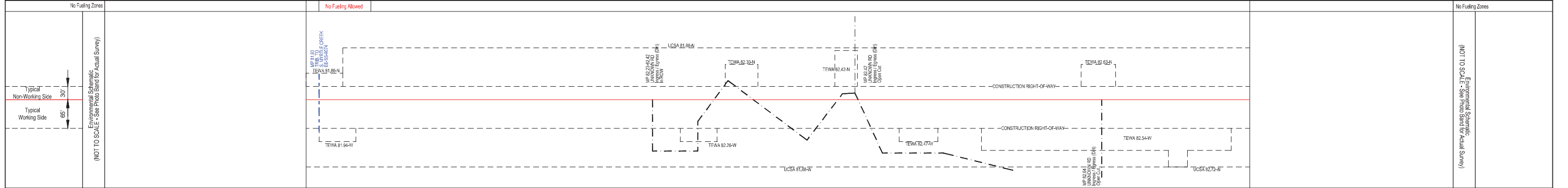
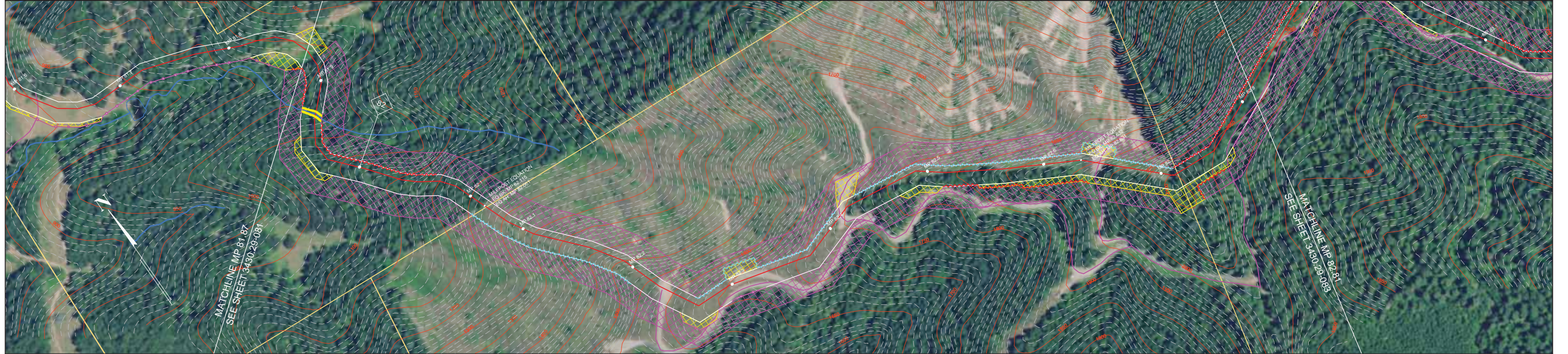
**PUBLIC**

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

**SPREAD #4**  
**MP 80.80 TO 81.87**  
**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: 3430-29-081	SHEET 81 OF 226

Legal Location	SEC 21, T29S, R4W	SEC 28, T29S, R4W	SEC 27, T29S, R4W	Legal Location
Ownership / Management	DO-383.000	DO-385.000	DO-386.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			BLM - ROSEBURG DISTRICT
Federal Land Use Allocation				3a
Areas of High Groundwater (Potential Trench Dewatering)				
Wetland / Waterbody	Trib to South Myrtle Creek			
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				2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	ACCESS DENIED (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.
- 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**

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**

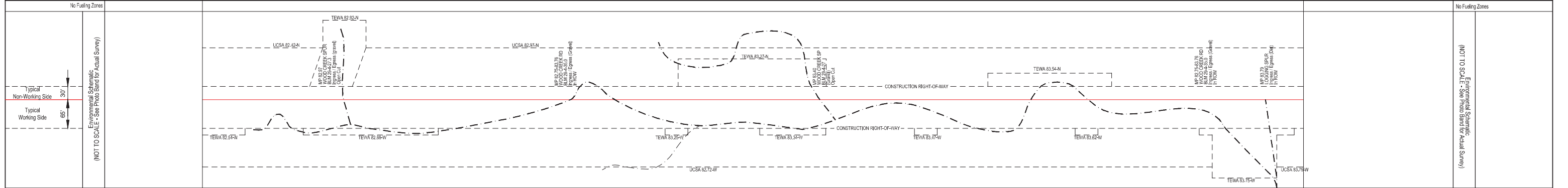
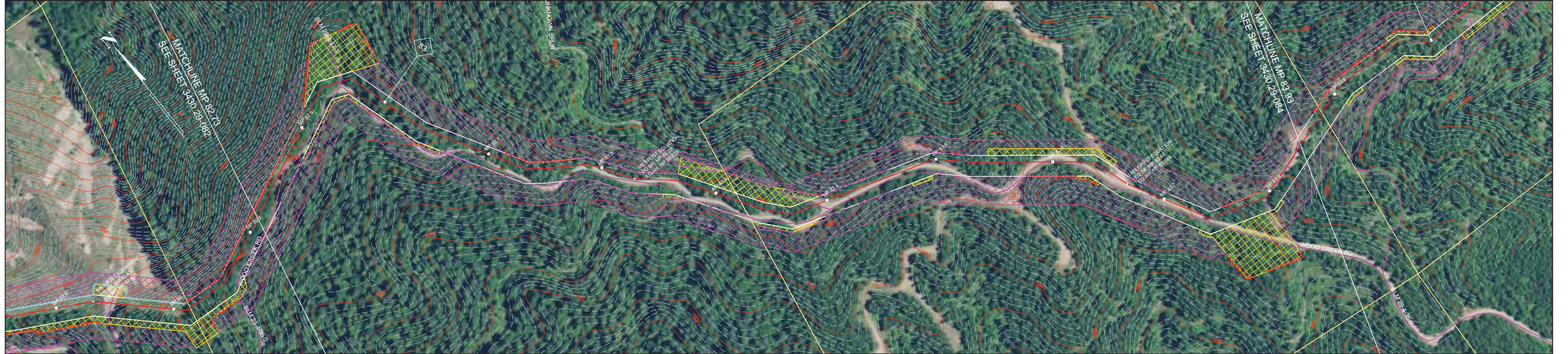
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 81.87 TO 82.81**  
**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: 3430.29-082 SHEET 82 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 27, T29S, R4W				Legal Location
Ownership / Management	DO-386.000		DO-387.000		Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT				Jurisdiction
Federal Landuse Allocation	3a	8	2b	3a	DOUGLAS COUNTY
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				Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	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.
  - 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 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**

200 0 200 400 FEET

**PUBLIC**

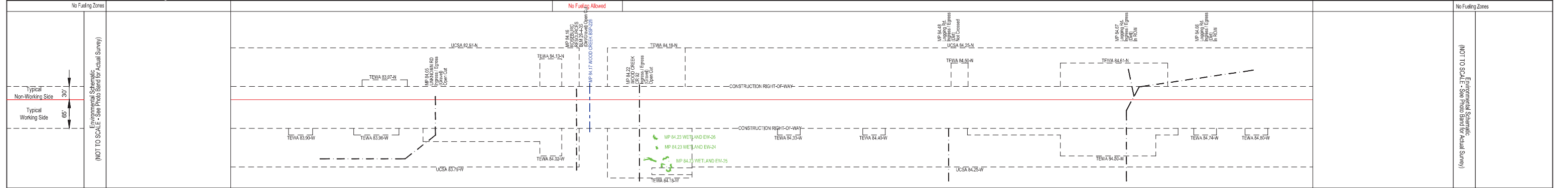
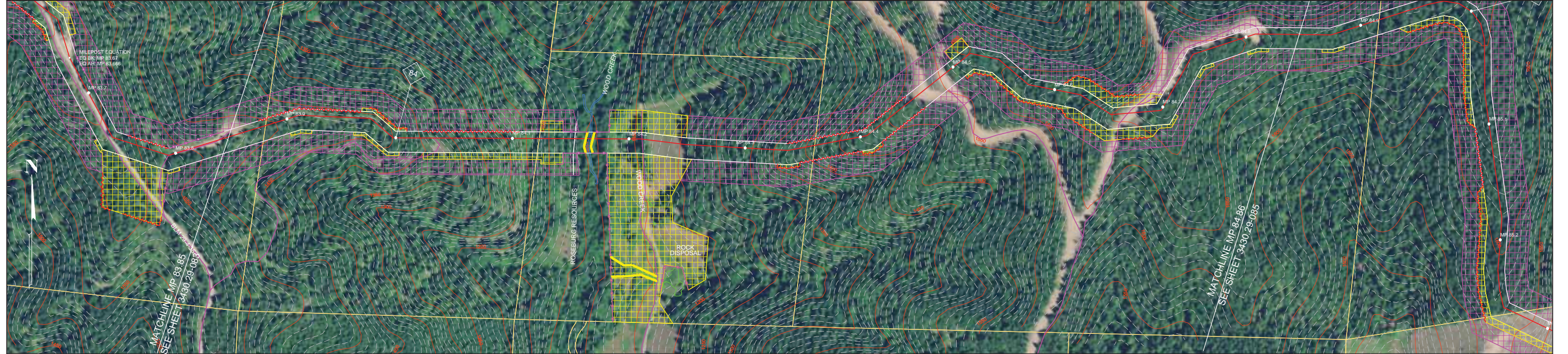
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #4  
MP 82.81 TO 83.85  
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: 3430.29-083	SHEET 83 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 26, T29S, R4W				Legal Location
Ownership / Management	DO-389.000	DO-382.000	DO-381.000/WC	DO-382.000	DO-383.000
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	Wood Creek EW-24, EW-25, EW-26				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)	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)
- 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

**PUBLIC**

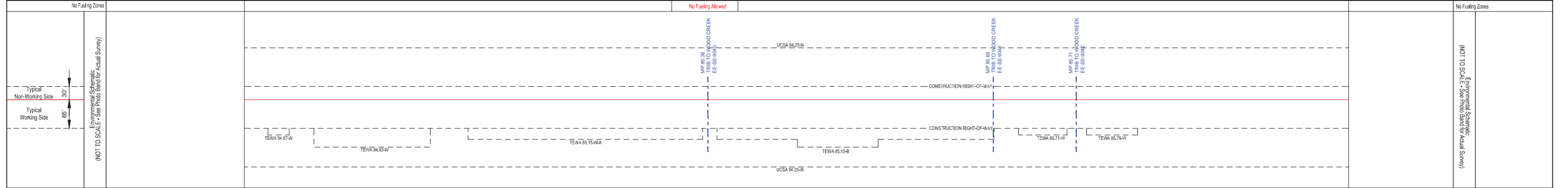
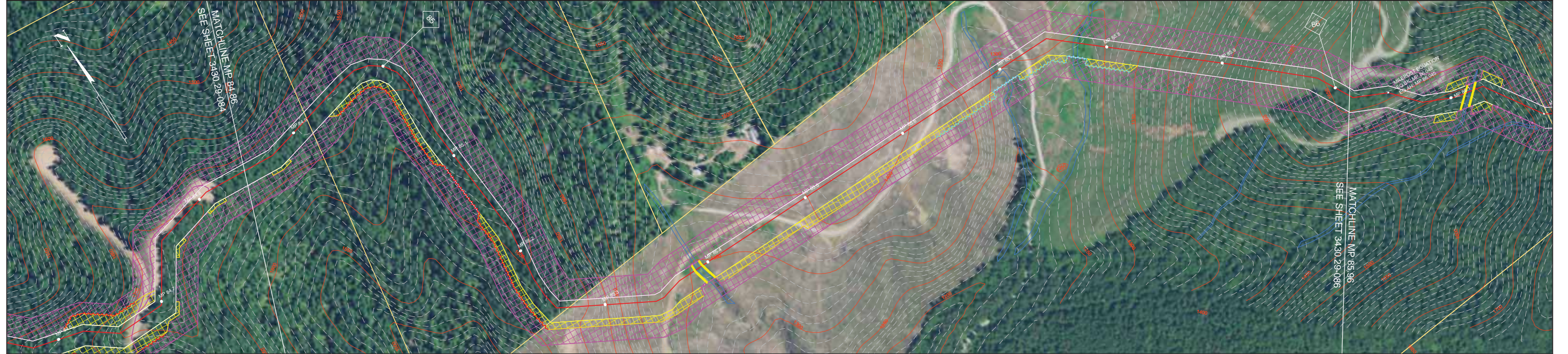
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 83.85 TO 84.86**  
**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: 3430.29-084	SHEET 84 OF 226



Legal Location	SEC 26, T29S, R4W	SEC 25, T29S, R4W	Legal Location
Ownership / Management	DC-393.000	DC-394.000	DC-397.500
Jurisdiction	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	DOUGLAS COUNTY
Federal Land Use Allocation		3a	
Areas of High Groundwater (Potential Trench Dewatering)			43
Wetland / Waterbody			Trib to Wood Creek
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		2	1
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)			
		ACCESS DENIED (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.
- 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
- 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

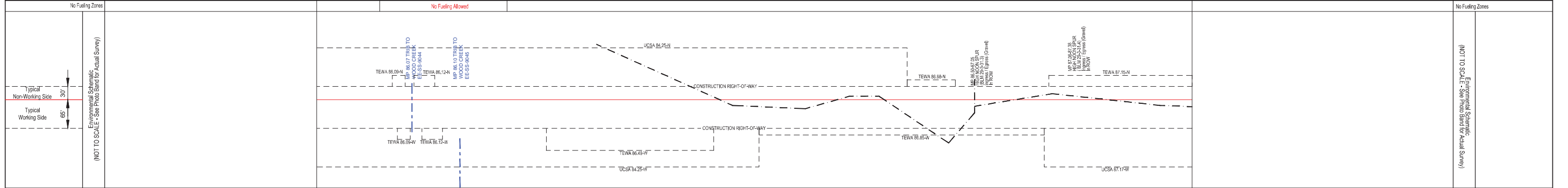
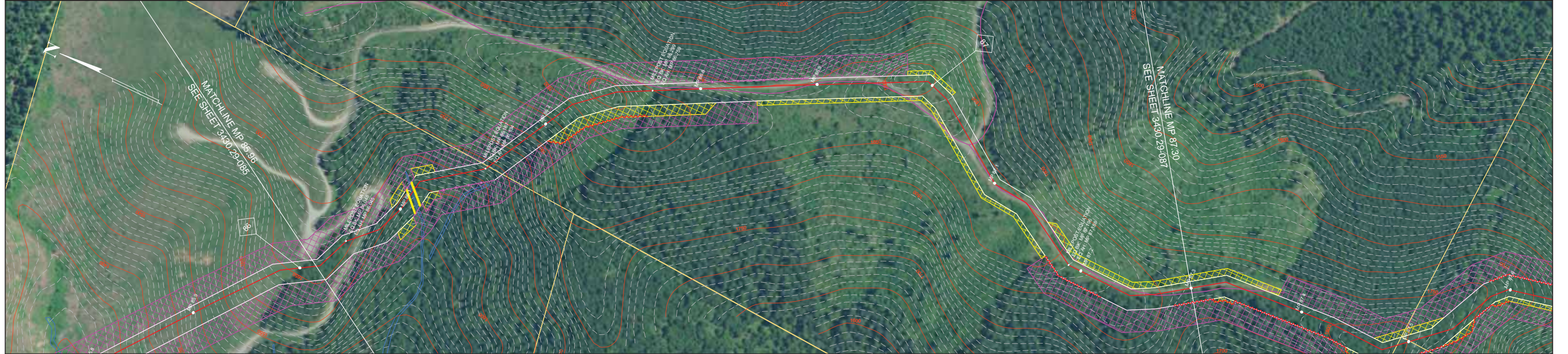
**PUBLIC**

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

**SPREAD #4**  
**MP 84.86 TO 85.96**  
**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: 3430.29-085 SHEET 85 OF 226

Legal Location	SEC 36, T29S, R4W	SEC 31, T29S, R3W	Legal Location
Ownership / Management	DO-387.500	DO-402.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Landuse Allocation		8 2b 8 2b 6 2b 6	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to Wood Creek Trib to Wood 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)		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		3 2 1/2 2 1/2 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)	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.
- 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)
- 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			
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: 0 200 400 FEET

**PUBLIC**

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

**SPREAD #4**  
**MP 85.96 TO 87.30**  
**DOUGLAS COUNTY, OREGON**

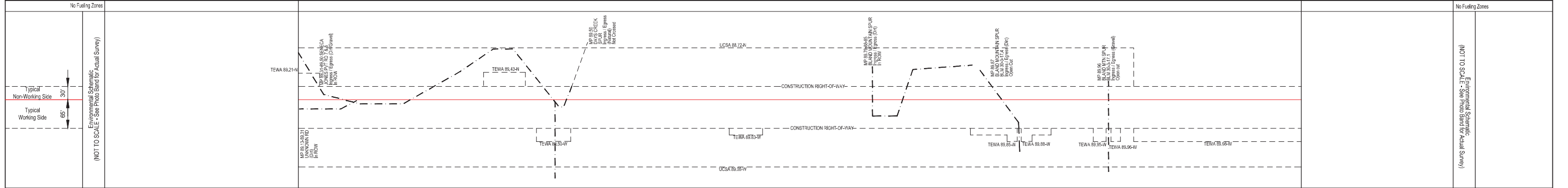
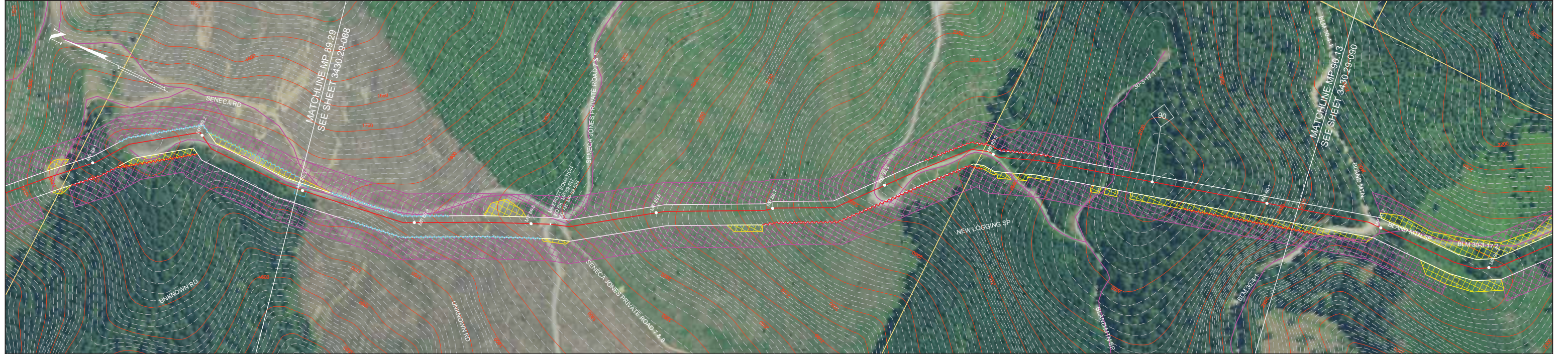
DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-086	SHEET 86 OF 226

**Pacific Connector**  
GAS PIPELINE





Legal Location	SEC 8, T30S, R3W	SEC 17, T30S, R3W	Legal Location
Ownership / Management	DC-412.000	DC-413.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Landuse Allocation		6	3a
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody			
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)		MARBLE MURRELET (APRIL 1 - AUGUST 5 (DTRs)) NSO (MARCH 1 - JULY 15 (No Activity))	
Topsoil Salvage / Federal Lands Soil Risk		1	1/2 2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	HYDROSTATIC TEST BREAK		



**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 (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: 0 200 400 FEET

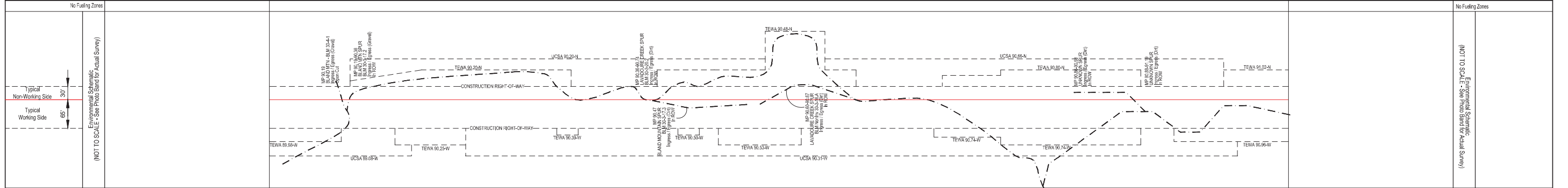
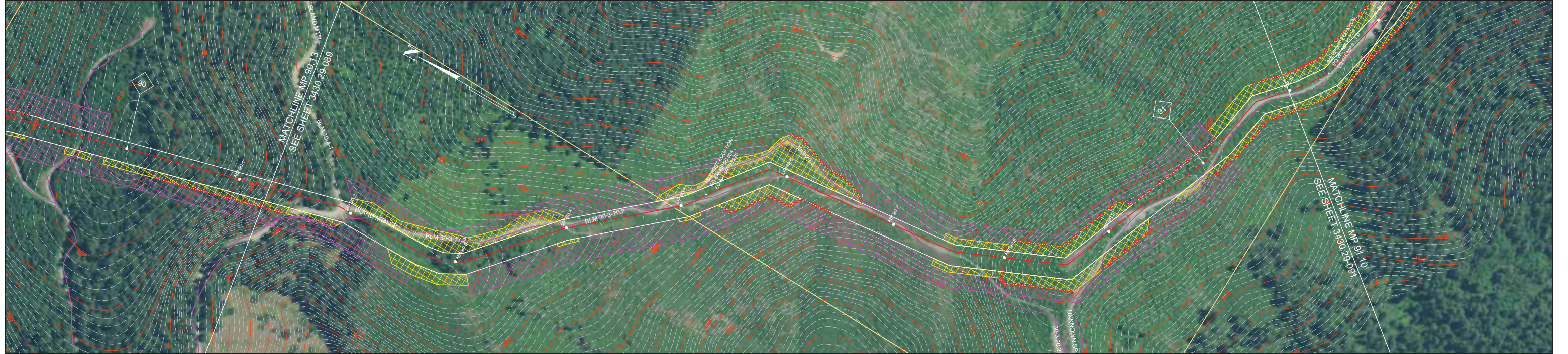
**PUBLIC**

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

**SPREAD #4  
MP 89.29 TO 90.13  
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: 3430.29-089	SHEET 89 OF 226

Legal Location	SEC 17, T30S, R3W				SEC 16, T30S, R3W				Legal Location
Ownership / Management	DO-413.000				DO-414.000				Ownership / Management
Jurisdiction	BLM-ROSEBURG DISTRICT				DOUGLAS COUNTY				Jurisdiction
Federal Landuse Allocation	3a	2b	8	2b					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)	NSO (MARCH 1 - JULY 15 (No Activity))								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:**

- 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 (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	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 (Unover-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**

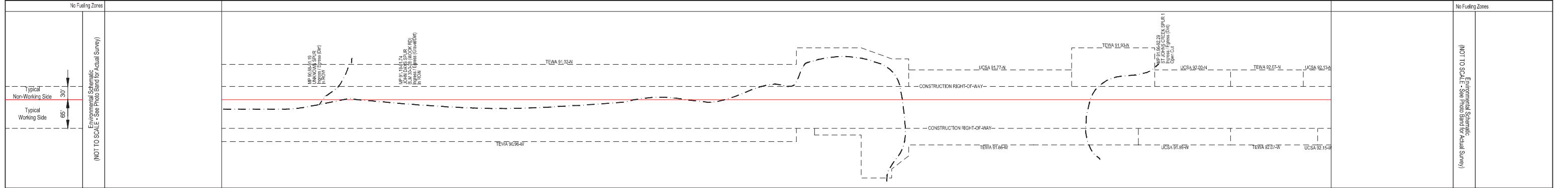
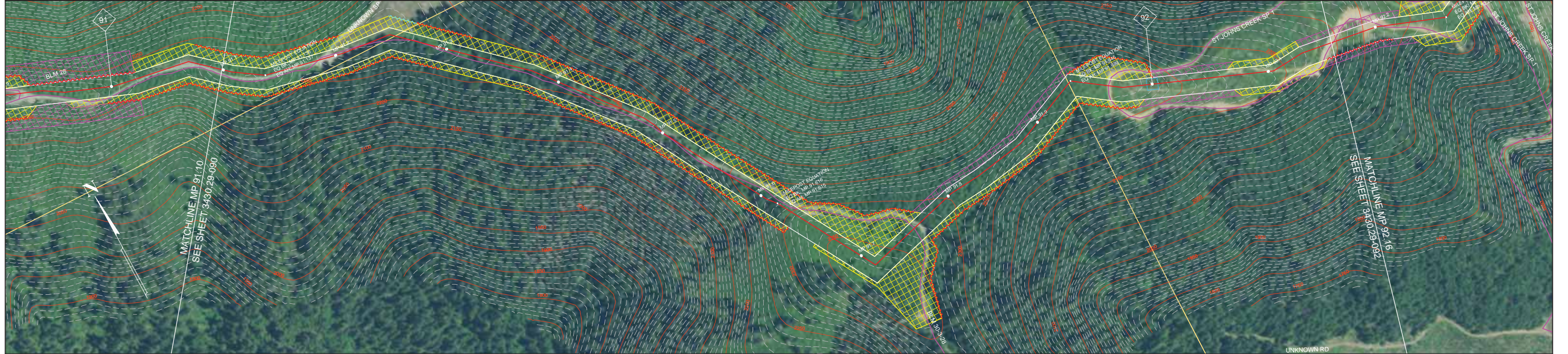
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 90.13 TO 91.10**  
**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: 3430-29-90	SHEET 90 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 16, T30S, R3W	SEC 21, T30S, R3W	SEC 22, T30S, R3W	Legal Location
Ownership / Management	DO-414.000	DO-415.000	DO-416.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	DOUGLAS COUNTY	Jurisdiction
Federal Landuse Allocation		2b	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	1 / 2	2	2 / 3	2
Hydrostatic Test Water Release / Aboveground Facilities / Residential				HYDROSTATIC TEST BREAK
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
- 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.	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**

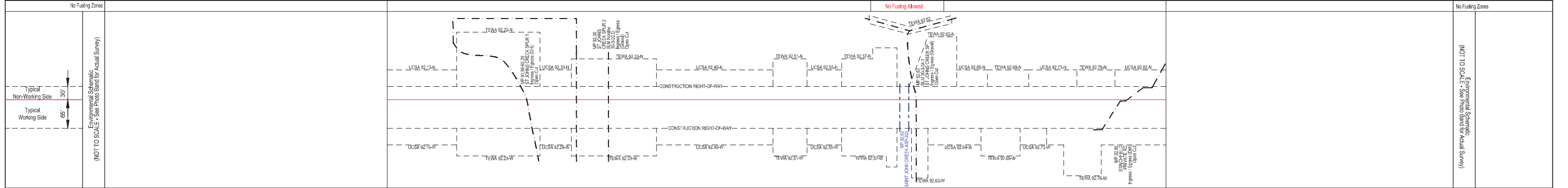
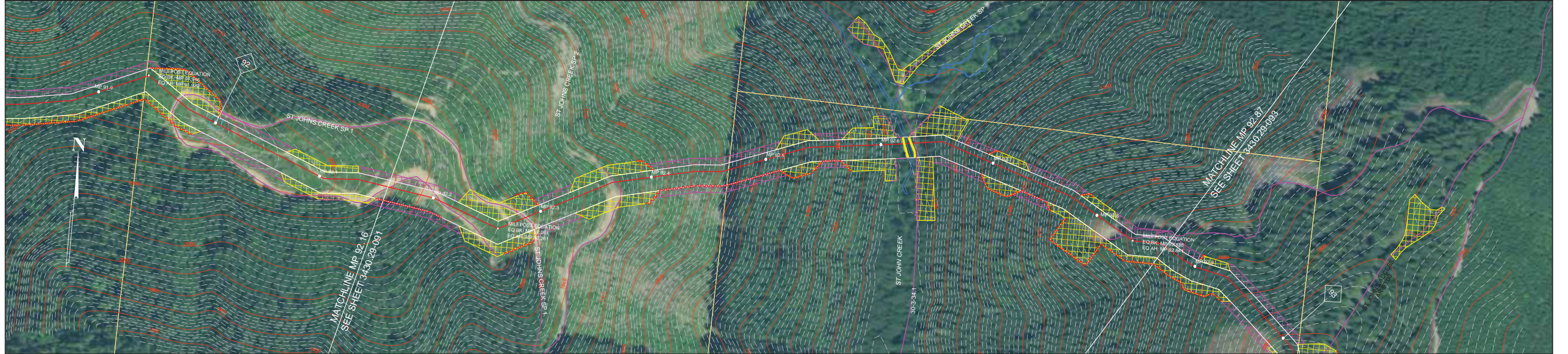
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #4**  
**MP 91.10 TO 92.16**  
**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: 3430-29-091 SHEET 91 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 22, T30S, R3W	Legal Location
Ownership / Management	DC-416.000	DC-417.000.LT
Jurisdiction	DOUGLAS COUNTY	
Federal Landuse Allocation		
Areas of High Groundwater (Potential Trench Dewatering)		
Wetland / Waterbody	Saint John Creek	
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	NONE	
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.
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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)
- 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: 1 inch = 200 Feet

**PUBLIC**

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

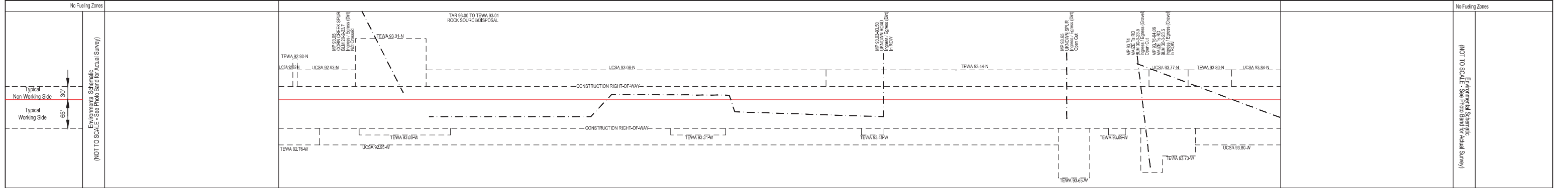
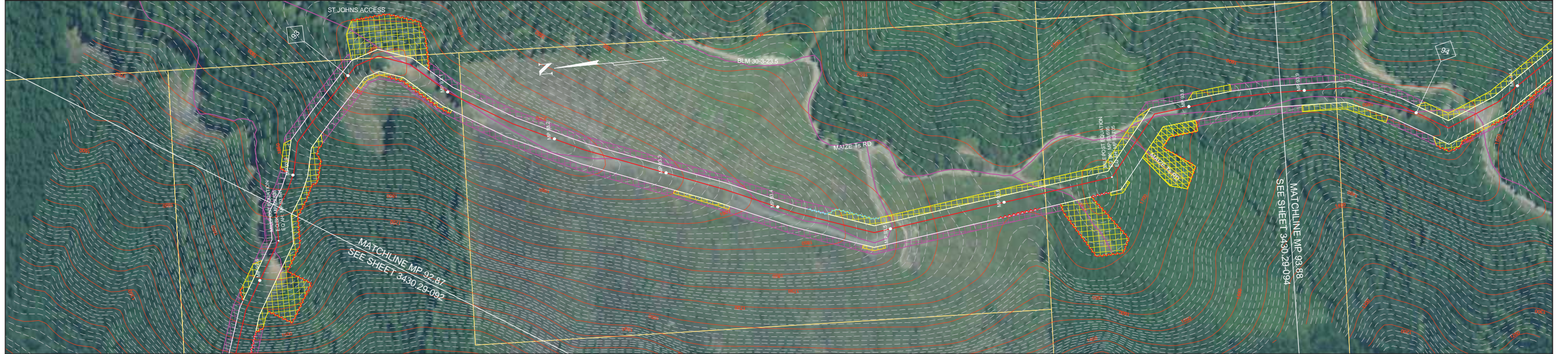
**SPREAD #4**  
**MP 92.16 TO 92.87**  
**DOUGLAS COUNTY, OREGON**

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: 3430.29-092	SHEET 92 OF 226

**Pacific Connector**  
GAS PIPELINE



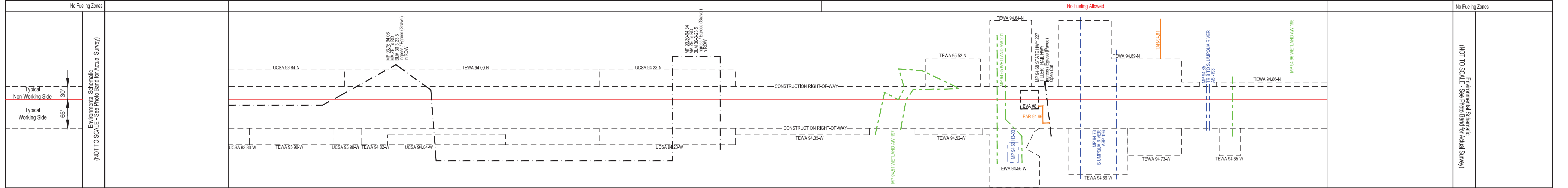
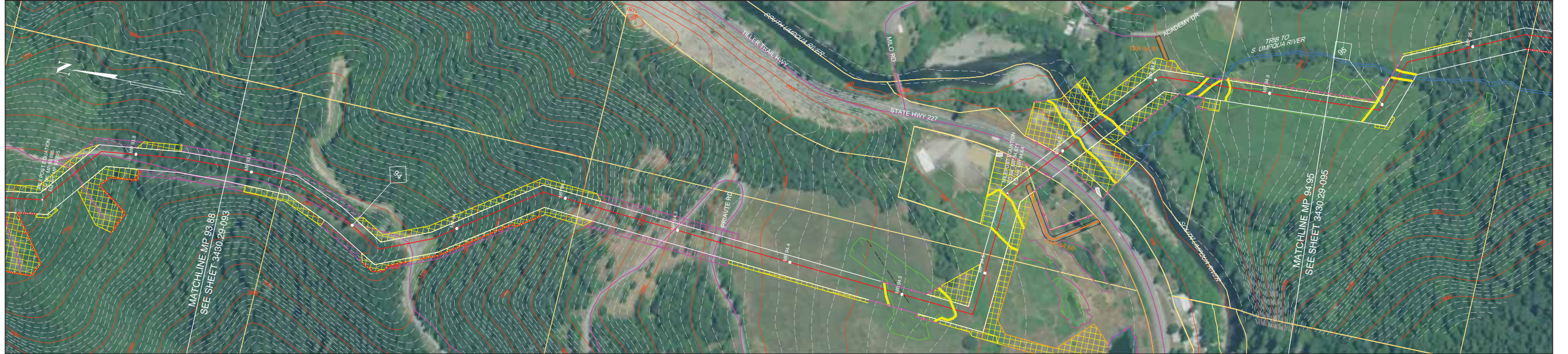
Legal Location	SEC 23, T30S, R3W	SEC 22, T30S, R3W	SEC 27, T30S, R3W	Legal Location
Ownership / Management	DO-418.000	DO-420.000	DO-421.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Landuse Allocation	BLM - ROSEBURG DISTRICT	DOUGLAS COUNTY	BLM - ROSEBURG DISTRICT	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	8		2b, 6, 2c, 6, 3a, 6	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	1/2		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)



<p>NOTES:</p> <ol style="list-style-type: none"> <li>In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.</li> <li>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.</li> <li>In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.</li> <li>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.</li> <li>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 &amp; pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.</li> <li>Right-of-way grading or vegetation clearing will occur as necessary.</li> <li>Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.</li> <li>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.</li> </ol>	<p>LEGEND</p> <p>Proposed Pipeline</p> <p>Construction Right-of-Way</p> <ul style="list-style-type: none"> <li>Temporary Construction Right-of-Way (Shown white on photography)</li> <li>Temporary Extra Work Area</li> <li>Uncleared Storage Area</li> <li>Pipe Yard</li> <li>Aboveground Facility</li> <li>Rock Source/Disposal</li> </ul> <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"> <li>Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)</li> <li>Silt Fence (SF)</li> <li>Safety Fence (SAF)</li> <li>Slash Filter Window (SFV)</li> <li>Construction Entrance Pad (CE)</li> </ul>
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<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> <p>1-Very Low 2-Low 3-Moderate 4-High 5-Very High</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>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 #4 MP 92.87 TO 93.88 DOUGLAS 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: 3430.29-093 SHEET 93 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	SEC 27, T30S, R3W				SEC 26, T30S, R3W		SEC 35, T30S, R3W		Legal Location
Ownership / Management	DO-421.000	DO-422.000	DO-423.000	DO-425.000	DO-427.000	DO-429.000	DO-430.000	Ownership / Management	
Jurisdiction	BLM - ROSEBURG DISTRICT			DOUGLAS COUNTY		DOUGLAS COUNTY		Jurisdiction	
Federal Landuse Allocation	6			STATE OF OREGON		DOUGLAS COUNTY		Federal Landuse Allocation	
Areas of High Groundwater (Potential Trench Dewatering)				NOV - MAY		Trib to S Umpqua River		Areas of High Groundwater (Potential Trench Dewatering)	
Wetland / Waterbody				S Umpqua River		Trib to S Umpqua River		Wetland / Waterbody	
Crossing Method / Instream Construction Window				Diversed Open Cut / July 1 - August 31		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	1 / 2							Topsoil Salvage / Federal Lands Soil Risk	
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)				BVA #8				Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	



- NOTES:**
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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
  - 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)
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  - 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
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**REVISIONS**

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

Scale: 200 0 200 400 FEET

**PUBLIC**

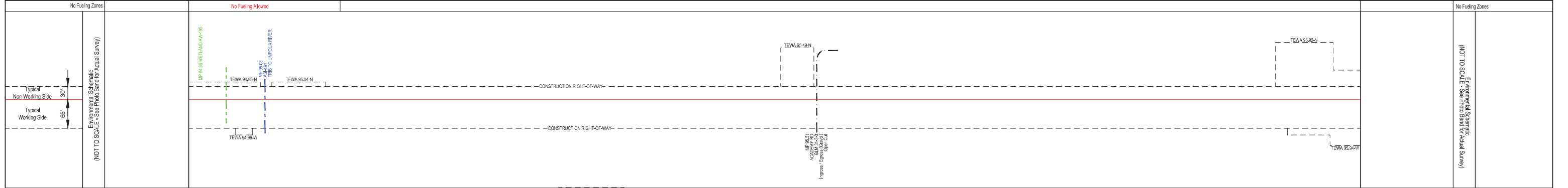
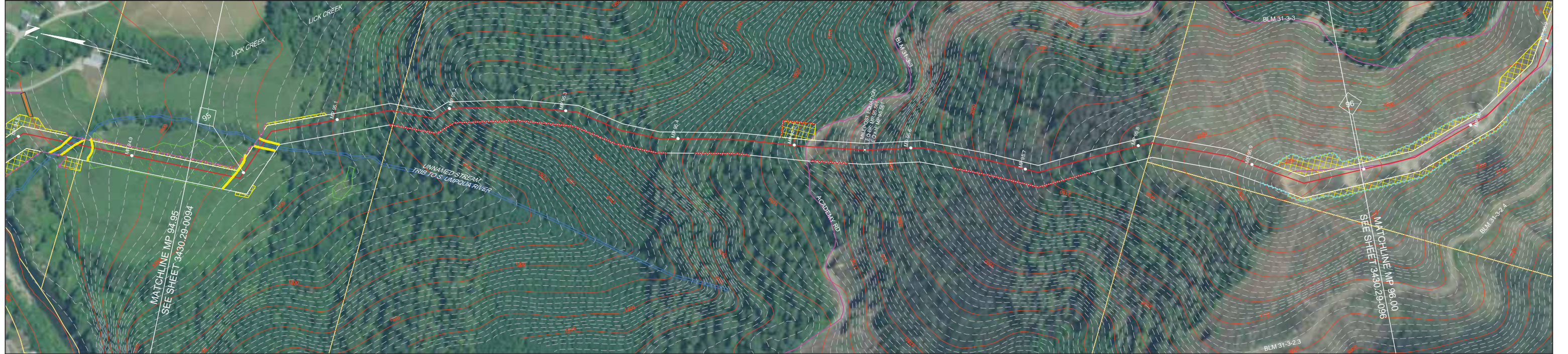
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREADS #4 & #5  
MP 93.88 TO 94.95  
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: 3430-29-094	SHEET 94 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 35, T30S, R3W				SEC 2, T31S, R3W	Legal Location
Ownership / Management	DO-430.000		DO-431.000		DO-433.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY		BLM - ROSEBURG DISTRICT		DOUGLAS COUNTY	Jurisdiction
Federal Land Use Allocation	8		7		3a	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to S. Umpqua 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)	NISO (MARCH 1 - JULY 15 (No Activity))					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 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.
  - 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	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**

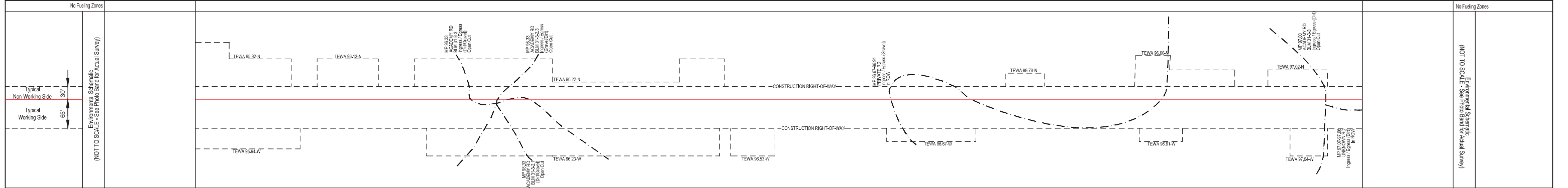
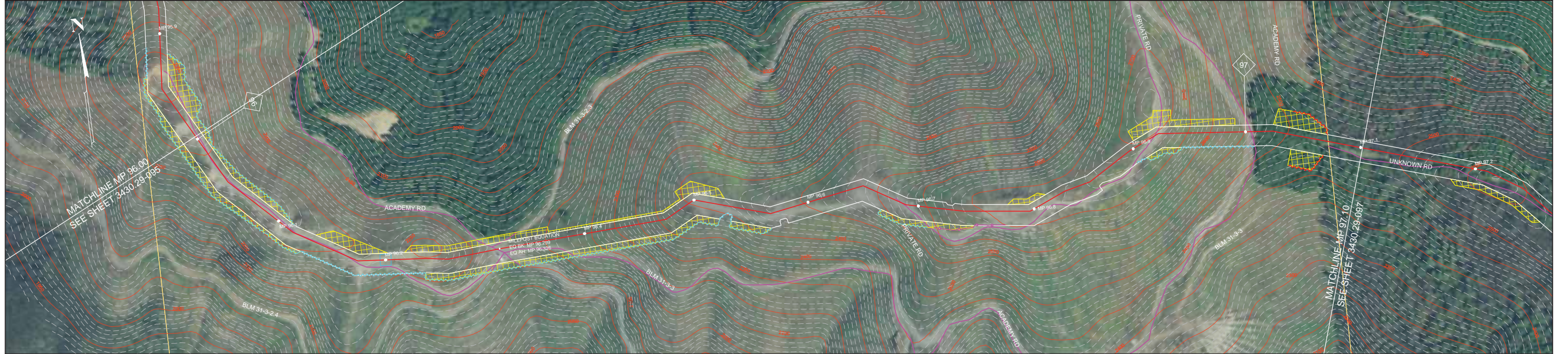
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 94.95 TO 96.00**  
**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: 3430.29-095 SHEET 95 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 2, T31S, R3W	SEC 1, T31S, R3W	Legal Location
Ownership / Management	DO-433.000	DO-434.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	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		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.
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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		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 - 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)					

**FEDERAL LANDS SOIL RISK SENSITIVITY RANK**

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

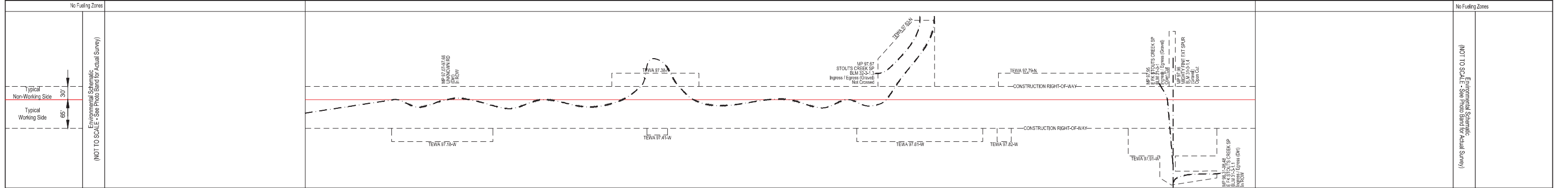
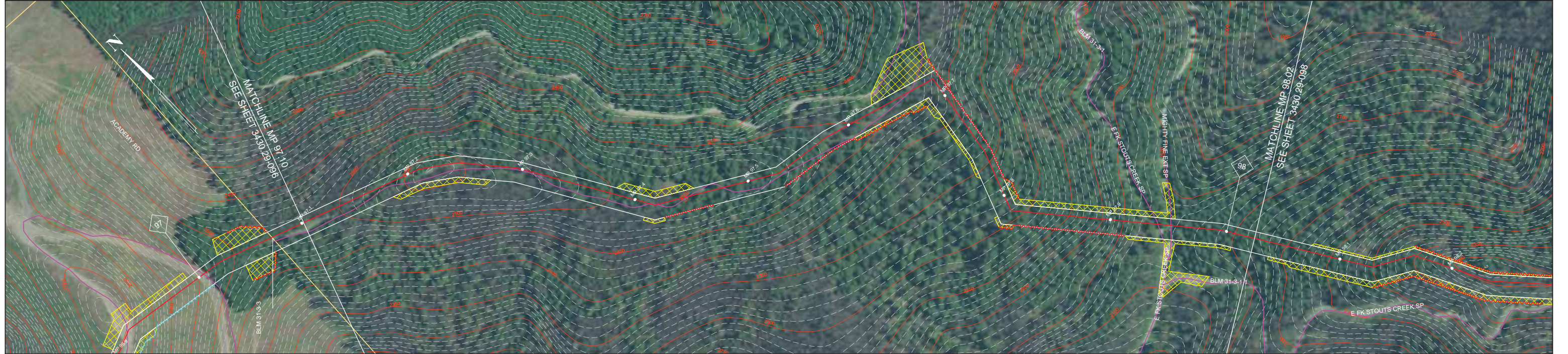
**PUBLIC**

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

**SPREAD #5**  
**MP 96.00 TO 97.10**  
**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: 3430-29-096	SHEET 96 OF 226

Legal Location	SEC 1, T31S, R3W										Legal Location
Ownership / Management	DO-434.000										Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT										Jurisdiction
Federal Land Use Allocation	3a										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	2	2/3	1/2	2/3	1/2	2/3	1/2	2	3	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.
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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
  - 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

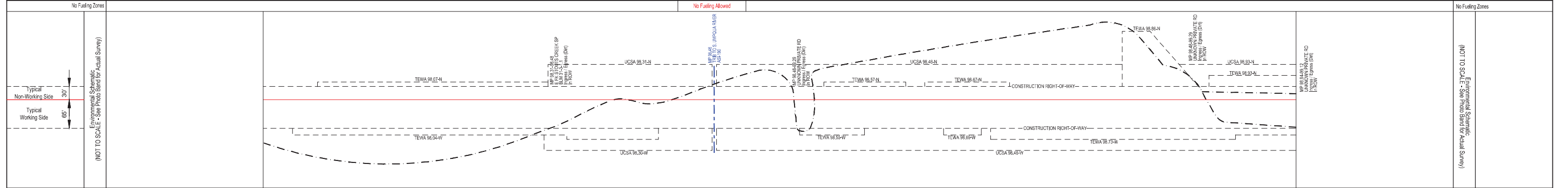
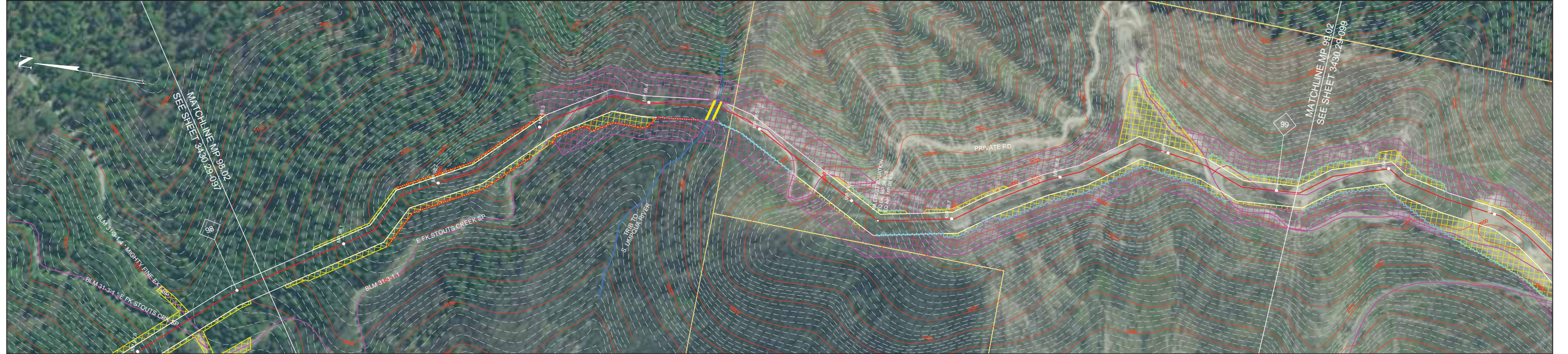
**PUBLIC**

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

**SPREAD #5**  
**MP 97.10 TO 98.02**  
**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: 3430-29-097	SHEET 97 OF 226

Legal Location	SEC 1, T31S, R3W	SEC 12, T31S, R3W	Legal Location
Ownership / Management	DO-434.000	DO-436.000RT	DO-435.000
Jurisdiction	BLM-ROSEBURG DISTRICT	DOUGLAS COUNTY	
Federal Land Use Allocation	3a	4a Riparian Reserve	
Areas of High Groundwater (Potential Trench Dewatering)		Trib to S Umpqua River	
Wetland / Waterbody		Dry Open-Cut / July 1 - Sept. 15	
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk	2/3	1/2	
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)
- 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

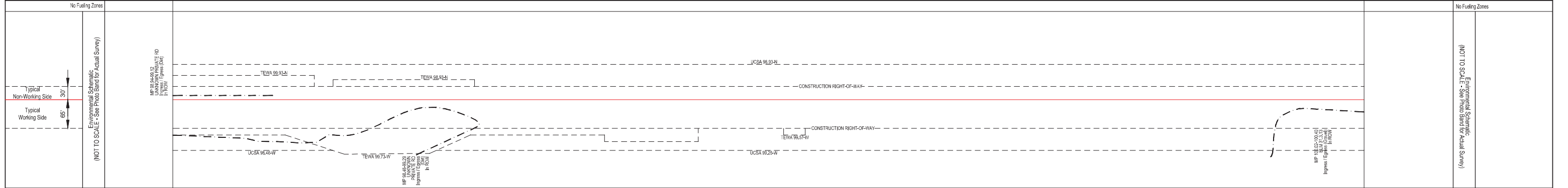
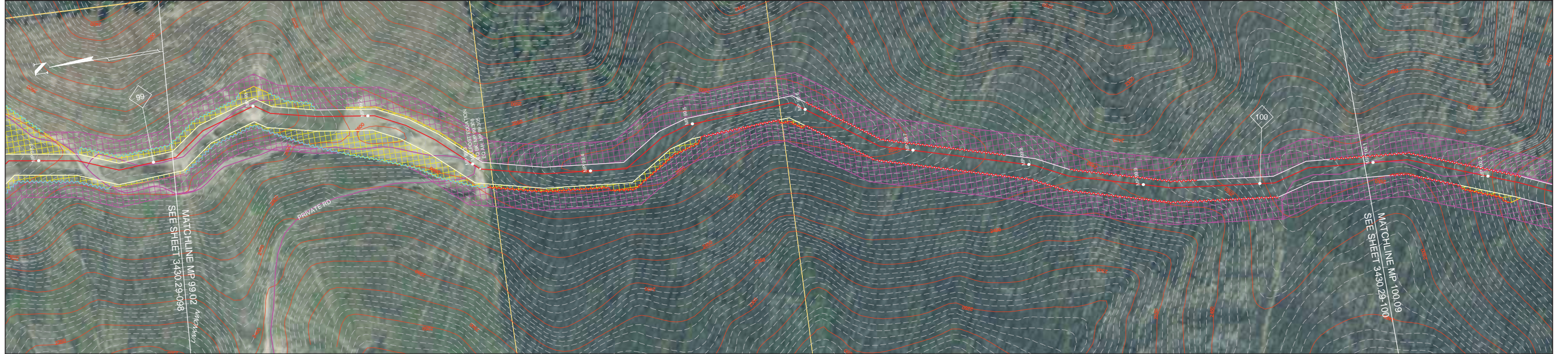
**PUBLIC**

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

**SPREAD #5**  
**MP 98.02 TO 99.02**  
**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: 3430.29-098	SHEET 98 OF 226

Legal Location	SEC 12, T31S, R3W		SEC 13, T31S, R3W		Legal Location
Ownership / Management	DC-435.000	DC-437.000	DC-438.000		Ownership / Management
Jurisdiction	DOUGLAS COUNTY		UMPQUA NATIONAL FOREST	BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Landuse Allocation			Late-Successional Reserve - Umpqua NF	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			2 / 3		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.
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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)
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- 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	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**

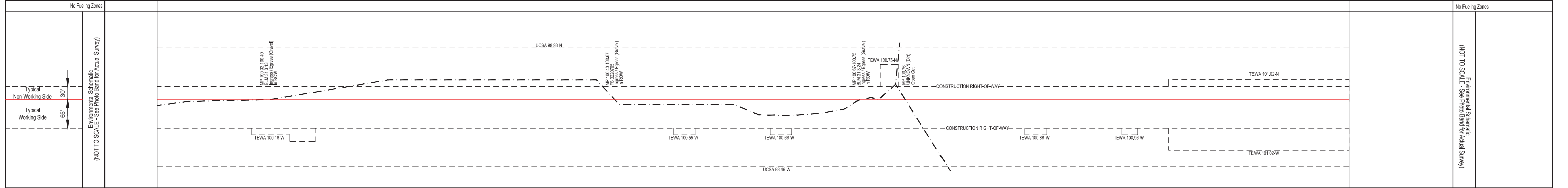
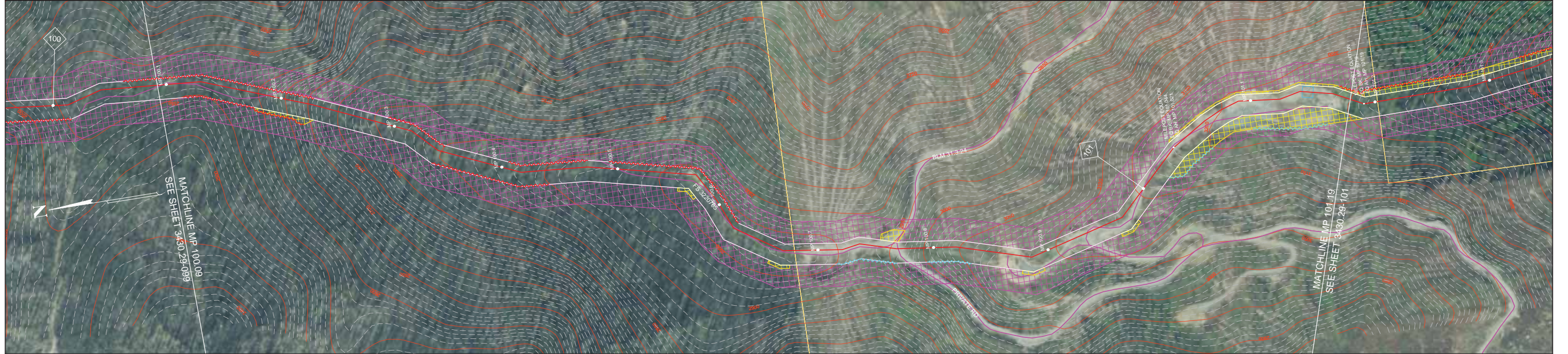
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 99.02 TO 100.09**  
**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: 3430.29-099	SHEET 99 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 13, T31S, R3W				SEC 24, T31S, R3W				Legal Location
Ownership / Management	DO-438.000				DO-439.000				Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT				UMPOUA NATIONAL FOREST				Jurisdiction
Federal Landuse Allocation	3a				Late-Successional Reserve - Umpqua NF				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)					NSO (MARCH 1 - JULY 15 (NO ACTIVITY))				Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	2/3	2	2/3	2	2/3	2	2/3	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.
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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			
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

**PUBLIC**

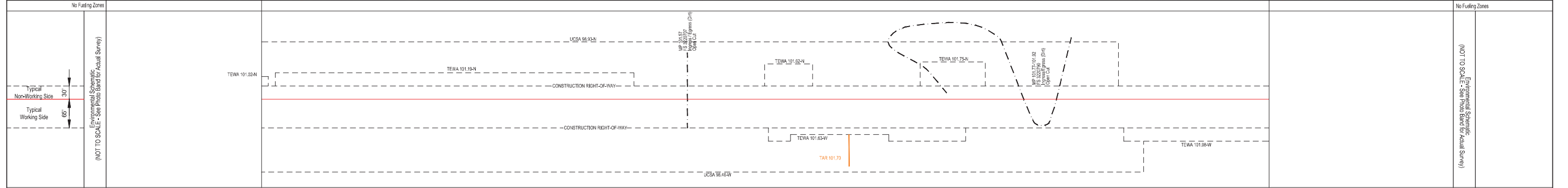
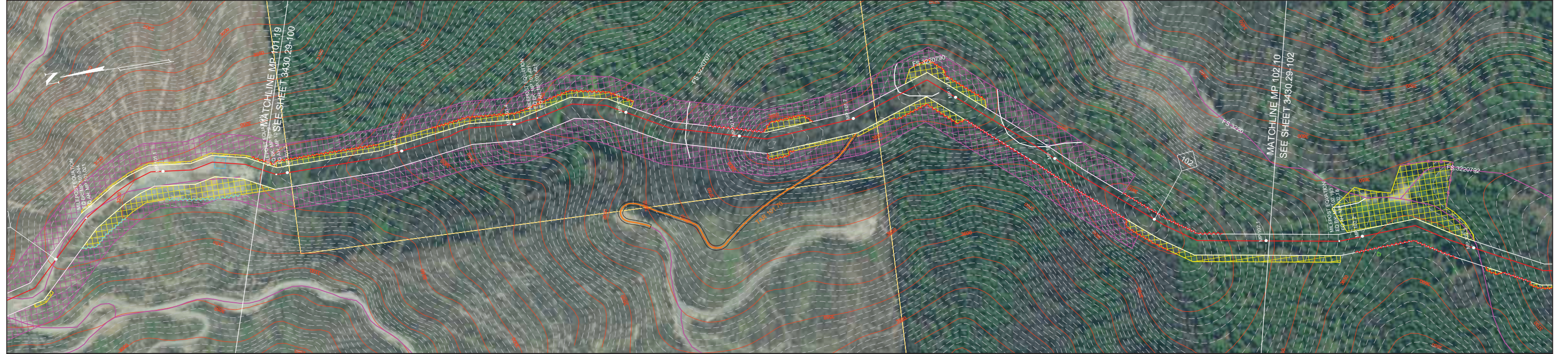
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 100.09 TO 101.19  
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: 3430.29-100	SHEET 100 OF 226



Legal Location	SEC 24, T31S, R3W		SEC 26, T31S, R3W		Legal Location
Ownership / Management	DC-439.000	DC-440.000	DC-441.000		Ownership / Management
Jurisdiction	DOUGLAS COUNTY		BLM - ROSEBURG DISTRICT		Jurisdiction
Federal Landuse Allocation	UMPUQUA NATIONAL FOREST Matrix - Umpqua NF		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	2		2/3		2
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.
  - 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 Windrow (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
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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**

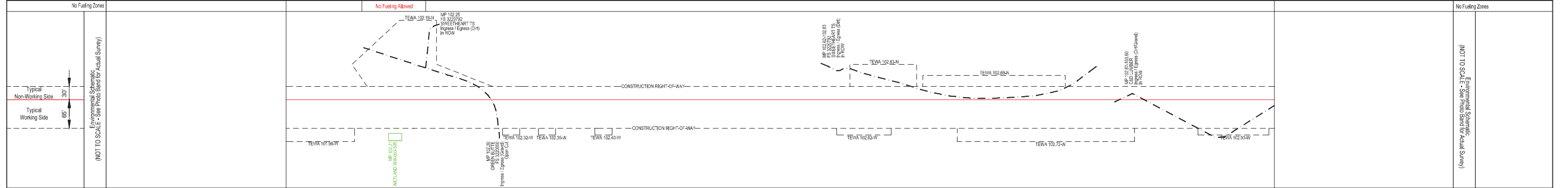
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 101.19 TO 102.10  
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: 3430.29-101	SHEET 101 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 25, T31S, R3W			SEC 36, T31S, R3W			Legal Location
Ownership / Management	DG-441.000			DO-442.000			Ownership / Management
Jurisdiction	BLM - ROSEBURG DISTRICT			UMPUQUA NATIONAL FOREST			Jurisdiction
Federal Land Use Allocation	3a Riparian Reserve			Matrix - Umpqua NF			Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	WW-003-005						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			2
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.
- 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: 200 0 200 400 FEET

**PUBLIC**

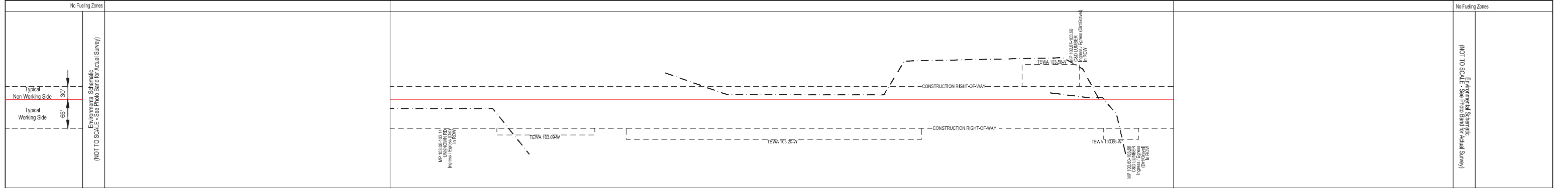
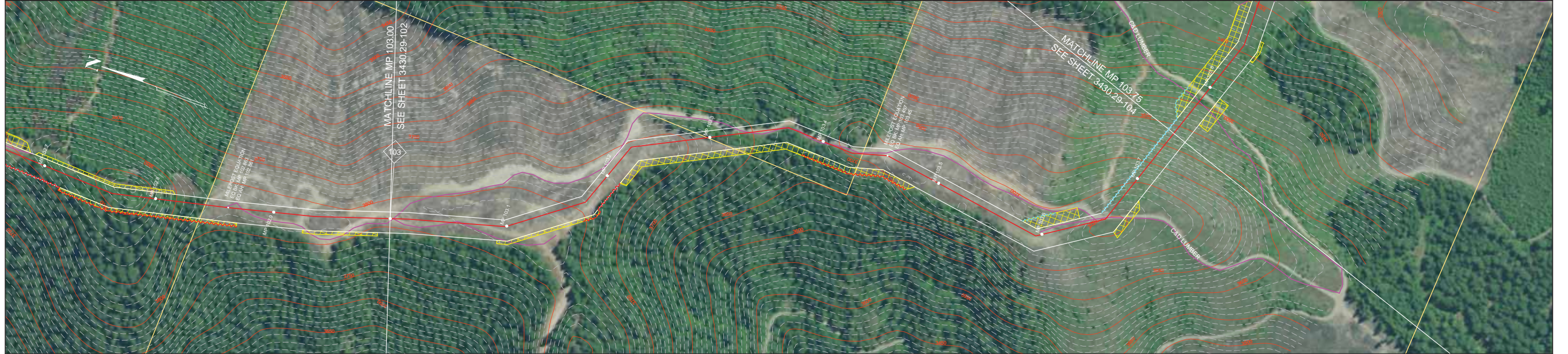
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 102.10 TO 103.00  
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: 3430.29-102	SHEET 122 OF 126

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 36, T31S, R3W			Legal Location
Ownership / Management	DO-442.000	DO-443.000	DO-442.000	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 Survey Status (wetlands as of July 2017)				Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)



No Fencing Zones		No Fencing 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.
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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)

<b>BLM LANDUSE - 2016 RMP</b>		<b>REVISIONS</b>																			
2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Forest)	2c - Late-Successional Reserve (Dry Forest)	2d - Late-Successional Reserve (Moist Forest)																		
3a - Riparian Reserve (Wet Forest)	3b - Riparian Reserve (Dry Forest)	4a - Riparian Reserve (Wet Forest)	4b - Riparian Reserve (Dry Forest)																		
5 - Estabulo Management Area	6 - Harvest Land Base (Wetland-Aged Timber Area)	7 - Harvest Land Base (Low Intensity Timber Area)	8 - Harvest Land Base (Moderate Intensity Timber Area)																		
<b>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</b>		<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
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																
1-Very Low	2-Low	3-Moderate	4-High	5-Very High																	

**PUBLIC**

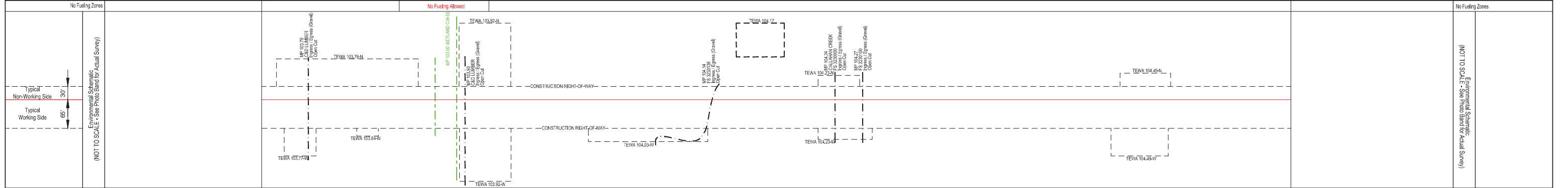
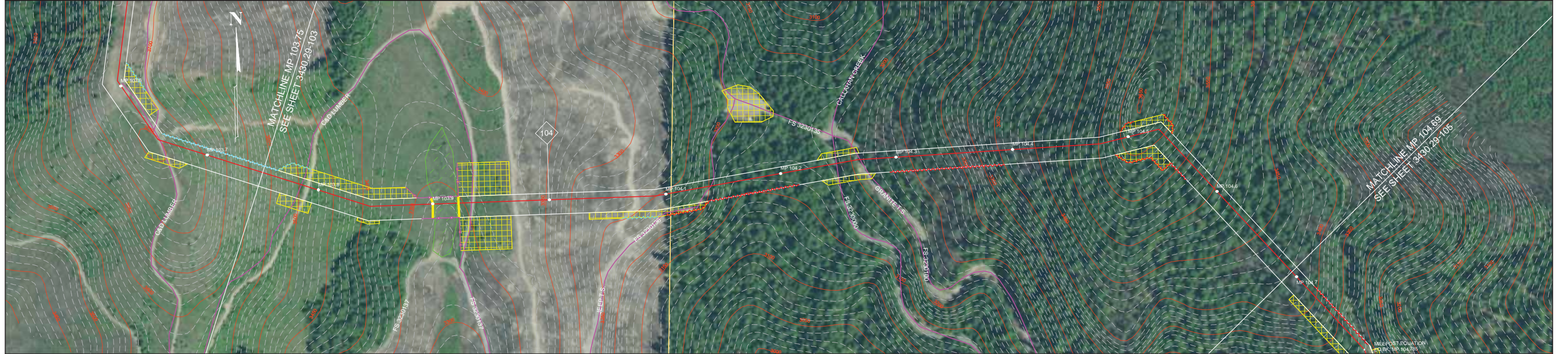
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 103.00 TO 103.75**  
**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: 3430.29-103	SHEET 103 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 36, T31S, R31W	SEC 31, T31S, R2W	Legal Location
Ownership / Management	DO-442.000	DO-444.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY	UMPUQA NATIONAL FOREST	Jurisdiction
Federal Landuse Allocation		Late-Successional Reserve - Umpqua NF	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	CW-55		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	3
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)			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.
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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
  - 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) (FB) (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	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 to 400 FEET

**PUBLIC**

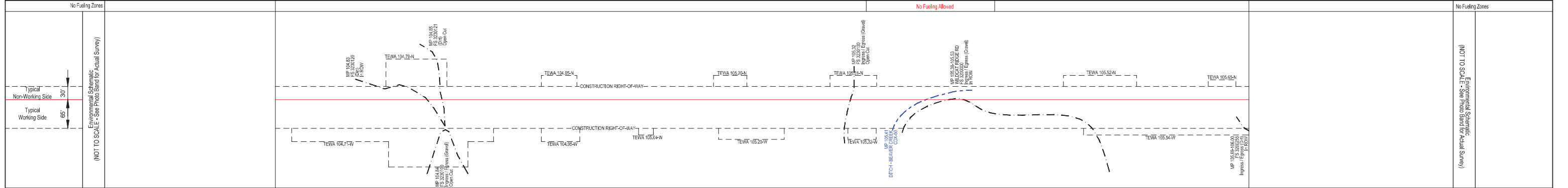
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 103.75 TO 104.69**  
**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: 3430.29-104 SHEET 104 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 31, T31S, R2W	SEC 32, T31S, R2W	SEC 6, T32S, R2W	SEC 5, T32S, R2W	Legal Location
Ownership / Management	DO-444.000		DO-445.000		Ownership / Management
Jurisdiction	UMPUQA NATIONAL FOREST Late-Successional Reserve - Umpqua NF				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	Ditch - Beaver Creek 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	2/3	2	2/3	2
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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  - 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**

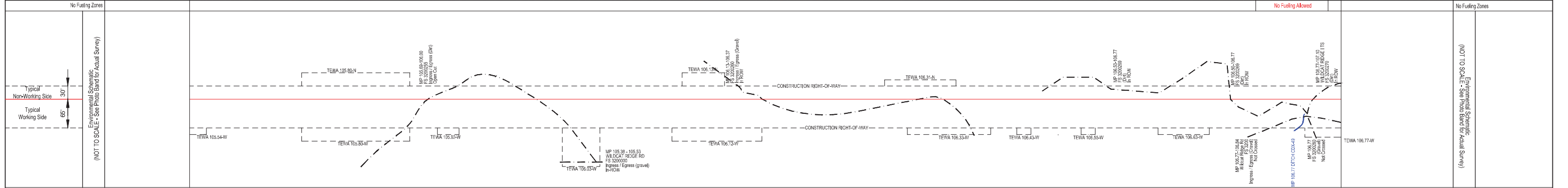
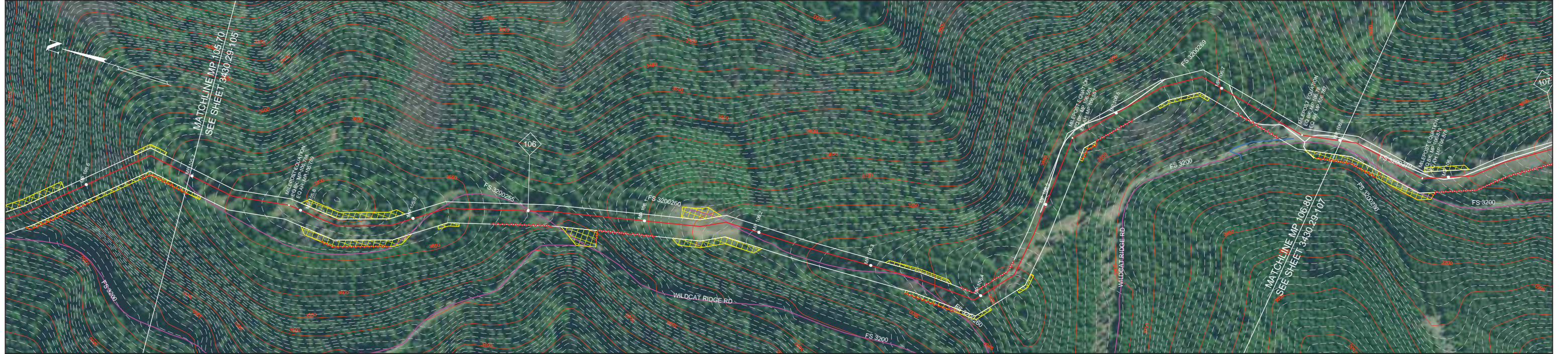
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 104.69 TO 105.70**  
**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: 3430.29-105 SHEET 105 OF 126

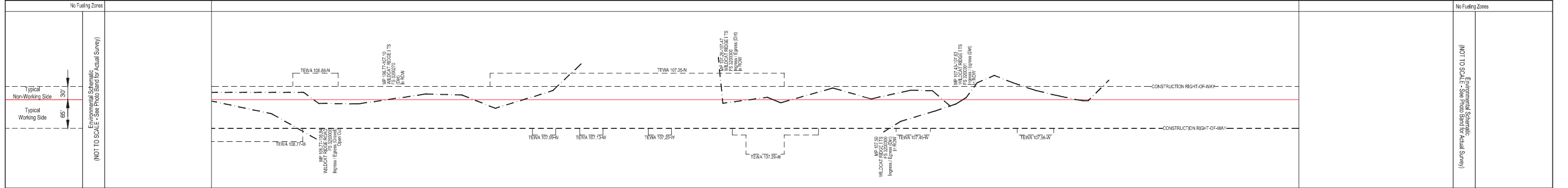
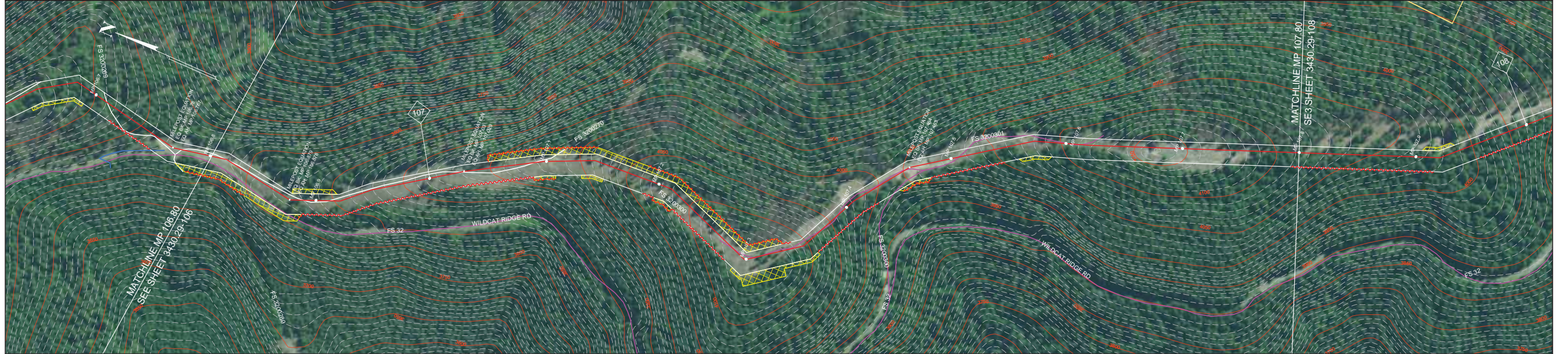
**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 5, T32S, R2W		SEC 8, T32S, R2W		Legal Location
Ownership / Management	DO-445.000				Ownership / Management
Jurisdiction	UMPQUA NATIONAL FOREST				Jurisdiction
Federal Land Use Allocation	Late-Successional Reserve - Umpqua NF				Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			DITCH		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	3	2	3	2
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)



<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.</li> <li>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.</li> <li>In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.</li> <li>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.</li> <li>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 &amp; pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.</li> <li>Right-of-way grading or vegetation clearing will occur as necessary.</li> <li>Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.</li> <li>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.</li> </ol>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>Proposed Pipeline</li> <li>Tax Parcel Boundaries</li> <li>Wetland</li> <li>Stream</li> <li>Access Road</li> <li>Permanent / Temporary Access Road (PAR / TAR)</li> <li>Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.</li> <li>Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)</li> <li>Silt Fence (SF)</li> <li>Safety Fence (SAF)</li> <li>Slash Filter Windrow (SFV)</li> <li>Construction Entrance Pad (CE)</li> <li>Temporary Construction Right-of-Way</li> <li>Temporary Extra Work Area</li> <li>Uncleared Storage Area</li> <li>Pipe Yard</li> <li>Aboveground Facility</li> <li>Rock Source/Disposal</li> </ul>	<p><b>BLM LANDUSE - 2016 RMP</b></p> <ul style="list-style-type: none"> <li>2a - District Designated Reserve (No Harvest)</li> <li>2b - District Designated Reserve (No-Harvest)</li> <li>3a - Late-Successional Reserve (Dry Forest)</li> <li>3b - Late-Successional Reserve (Moist Forest)</li> <li>4a - Riparian Reserve (Dry Forest)</li> <li>4b - Riparian Reserve (Moist Forest)</li> <li>5 - Estuary Management Area</li> <li>6 - Harvest Land Base (Shrub-Step/Timber Area)</li> <li>7 - Harvest Land Base (Low Intensity Timber Area)</li> <li>8 - Harvest Land Base (Moderate Intensity Timber Area)</li> </ul> <p><b>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</b></p> <ul style="list-style-type: none"> <li>1-Very Low</li> <li>2-Low</li> <li>3-Moderate</li> <li>4-High</li> <li>5-Very High</li> </ul>	<p><b>REVISIONS</b></p> <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	<p><b>PUBLIC</b></p> <p><b>PACIFIC CONNECTOR GAS PIPELINE PROJECT</b>  <b>PACIFIC CONNECTOR GAS PIPELINE, LP</b>  <b>ENVIRONMENTAL ALIGNMENT</b></p> <p><b>SPREAD #5</b>  <b>MP 105.70 TO 106.80</b>  <b>DOUGLAS COUNTY, OREGON</b></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: 3430.29-106 SHEET 106 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																	

Legal Location	SEC 8, T20S, R2W					Legal Location	
Ownership / Management	DO-445-000					Ownership / Management	
Jurisdiction	UMPOUA NATIONAL FOREST					Jurisdiction	
Federal Landuse Allocation	Late-Successional Reserve - Umpqua NF					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	1/2	2/3	2	1	2	3	2
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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  - 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)
- 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**

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**

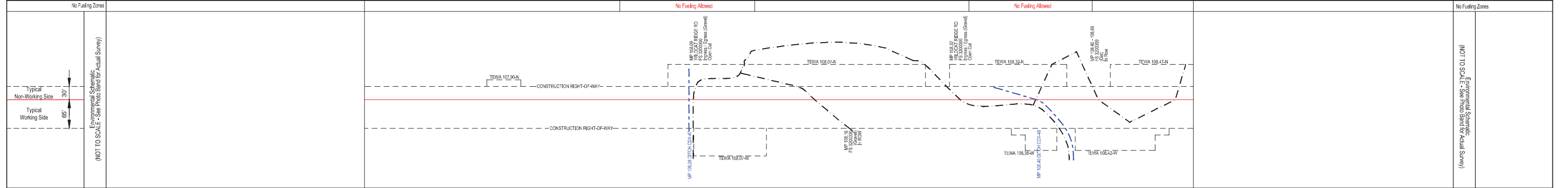
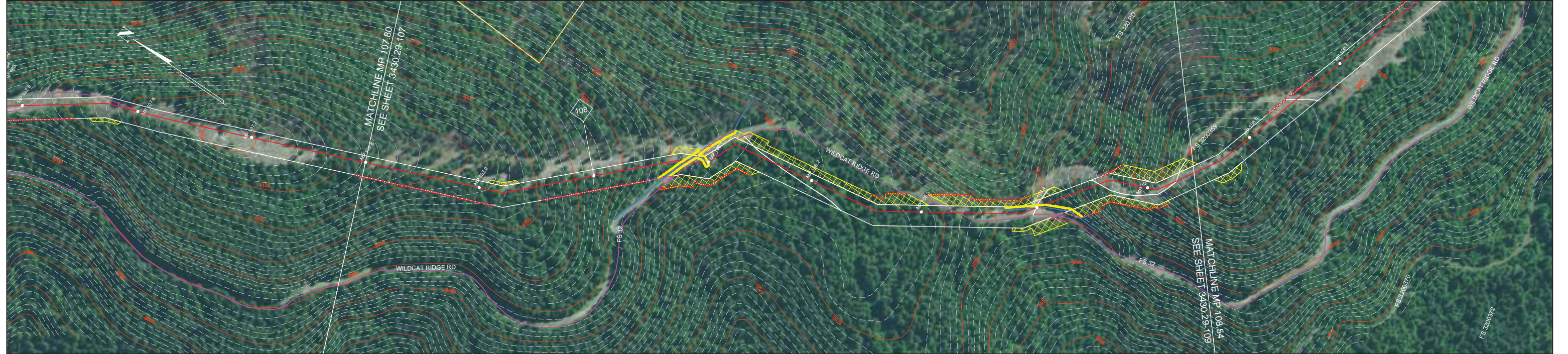
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 106.80 TO 107.80**  
**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: 3430.29-107 SHEET 107 OF 126

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 8, T32S, R2W	SEC 17, T32S, R2W	SEC 16, T32S, R2W	Legal Location
Ownership / Management	DO-445.000			Ownership / Management
Jurisdiction	UMPUQUA NATIONAL FOREST			Jurisdiction
Federal Land Use Allocation	Late-Successional Reserve - Umpqua NF		Matrix - Umpqua NF	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Ditch			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	2	3	2/3	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.
- 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)
- 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**

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 - Establis 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: 200 0 200 400 FEET

**PUBLIC**

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

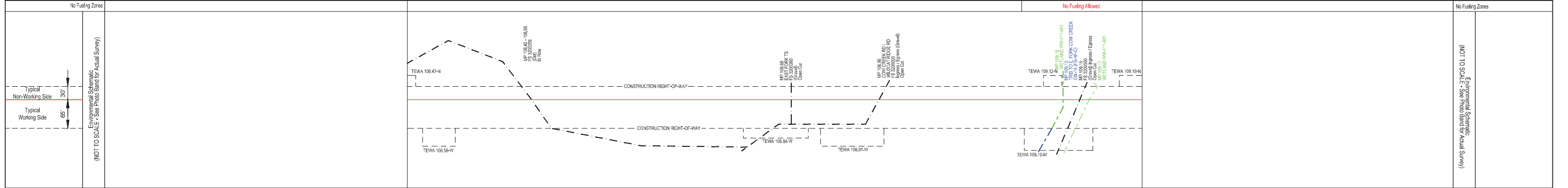
**SPREAD #5**  
**MP 107.80 TO 108.54**  
**DOUGLAS COUNTY, OREGON**

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: 3430.29-108 SHEET 108 OF 226

**Pacific Connector**  
GAS PIPELINE



Legal Location	SEC 16, T32S, R2W	Legal Location
Ownership / Management	DO-445.000	Ownership / Management
Jurisdiction	UMPUQUA NATIONAL FOREST	Jurisdiction
Federal Landuse Allocation	Matrix - Umpqua NF	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	NOV - MAY WVA-111-001 TRIB TO E. FORK COW CREEK WVA-111-001 Not Crossed	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	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
- 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: 200 0 200 400 FEET

**PUBLIC**

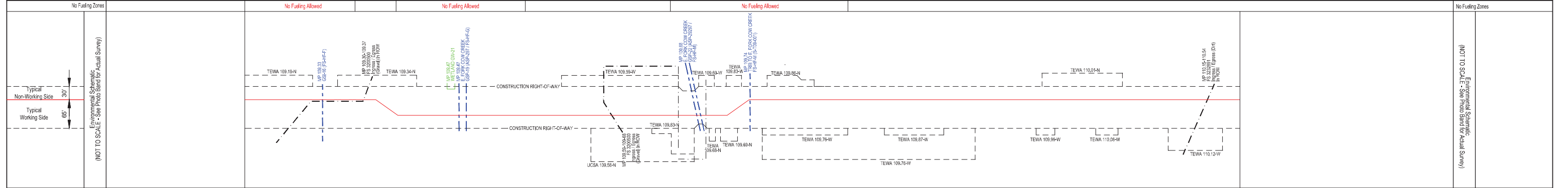
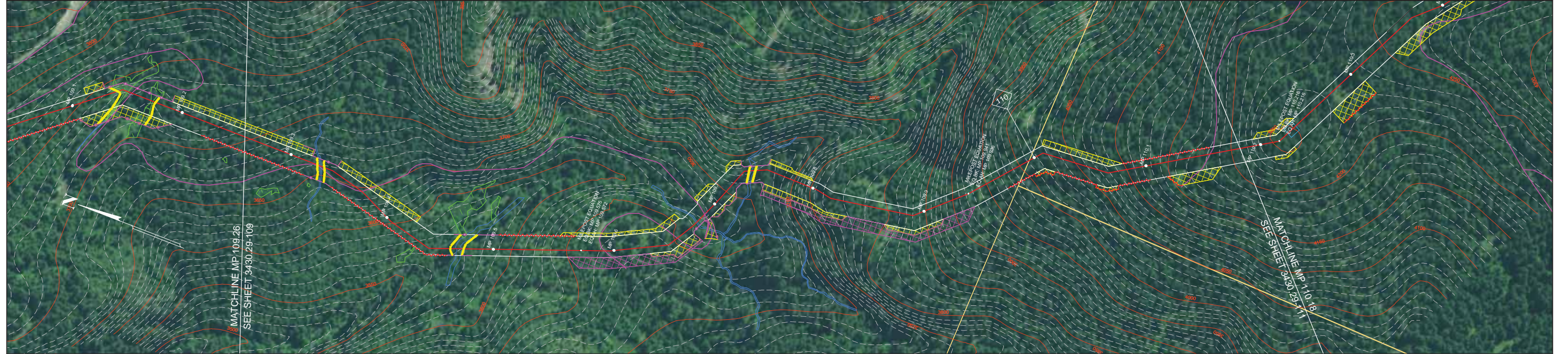
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 108.54 TO 109.26  
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: 3430.29-109	SHEET 109 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 15, T32S, R2W	SEC 21, T32S, R2W	SEC 22, T32S, R2W	SEC 22, T32S, R2W	Legal Location
Ownership / Management		DO-445.000		JK-449.000	Ownership / Management
Jurisdiction	UMPUQUA NATIONAL FOREST Matrix - Umpqua NF				Jurisdiction
Federal Land Use Allocation					Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)	NOV - MAY				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	GSI-16	E. Fork Cow Creek	E. Fork Cow Creek (FS-HF-J)	FS-HF-K	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	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	1	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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**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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- 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**

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 - Establisment 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)
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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**

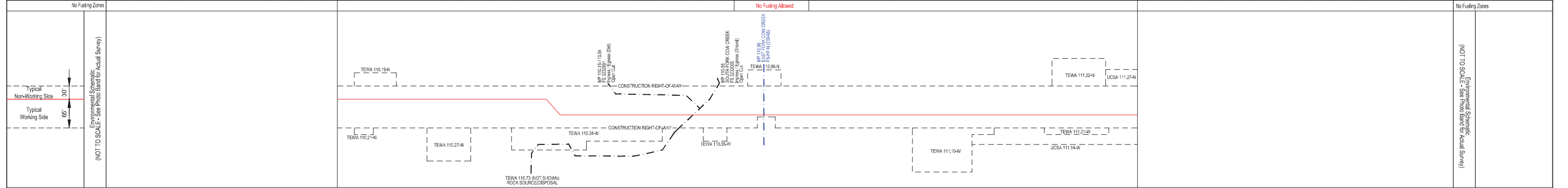
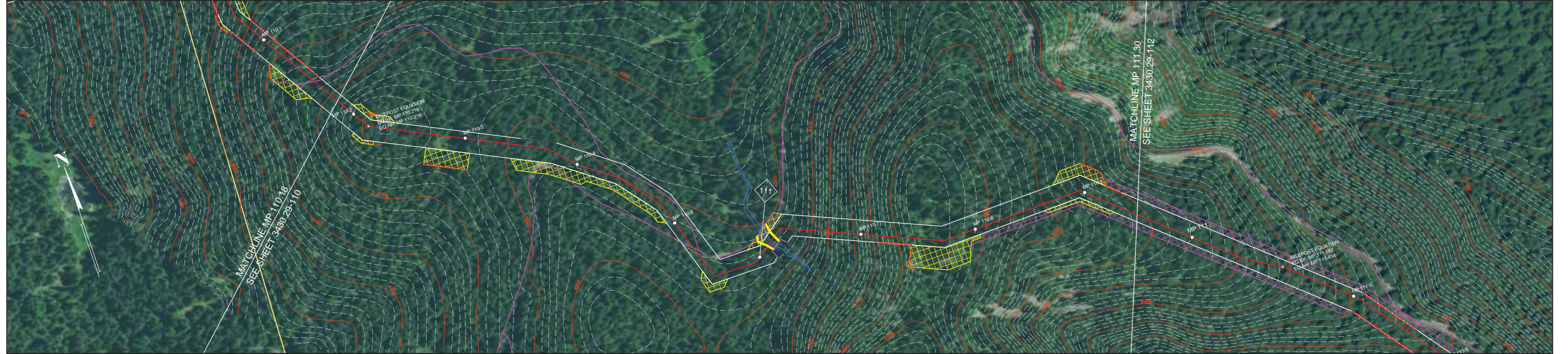
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 109.26 TO 110.18**  
**JACKSON COUNTY, OREGON**

**Pacific Connector**  
 GAS PIPELINE

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: 3430.29-110	SHEET 110 OF 226

Legal Location	SEC 22, T32S, R2W				Legal Location
Ownership / Management	JK-449.000				Ownership / Management
Jurisdiction	UMPUQUA NATIONAL FOREST				Jurisdiction
Federal Landuse Allocation	Matrix - Umpqua NF				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	FS-HF-N				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)	PEREGRINE FALCON (JANUARY 1 - AUGUST 31 (No Activity))				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 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)
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BLM LANDUSE - 2016 RMP			
2a - District Designated Reserve (No Harvest)	2b - District Designated Reserve (Non-Harvest)	3a - Late-Successional Reserve (Dry Forest)	3b - Late-Successional Reserve (Moist Forest)
4a - Riparian Reserve (Dry Forest)	4b - Riparian Reserve (Moist Forest)	5 - Estuarine Management Area	6 - Harvest Land Base (Shrub-Step/Timber Area)
7 - Harvest Land Base (Low Intensity Timber Area)	8 - Harvest Land Base (Moderate Intensity Timber Area)		

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

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

CHK	APP
EE	EE

Scale: 200 0 200 400 FEET

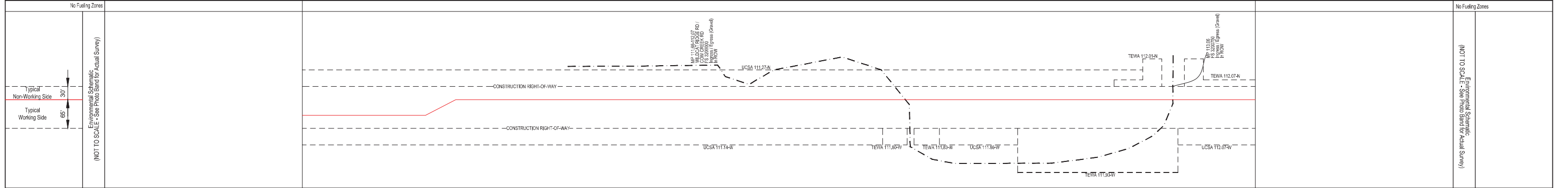
**PUBLIC**

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

**SPREAD #5  
MP 110.18 TO 111.30  
JACKSON 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: 3430.29-111	SHEET 111 OF 226

Legal Location	SEC 27, T32S, R2W	SEC 26, T32S, R2W	Legal Location							
Ownership / Management	JK-449.000		Ownership / Management							
Jurisdiction	UMPQUA NATIONAL FOREST		Jurisdiction							
Federal Land Use Allocation	Matrix - Umpqua NF		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	PEREGRINE FALCON (JANUARY 1 - AUGUST 31 (No Activity))		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	1	2	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.
- 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	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 (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: 200 0 200 400 FEET

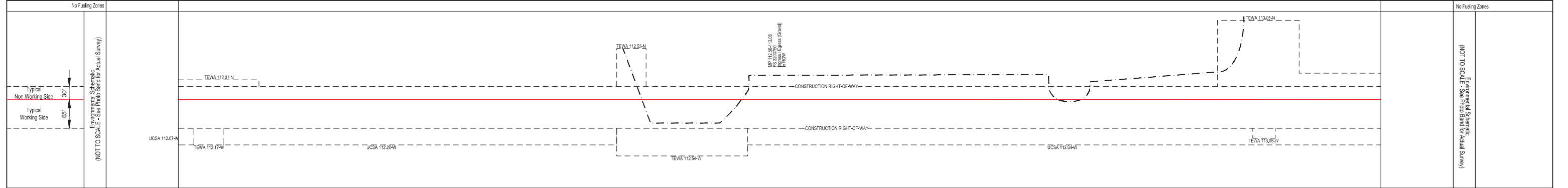
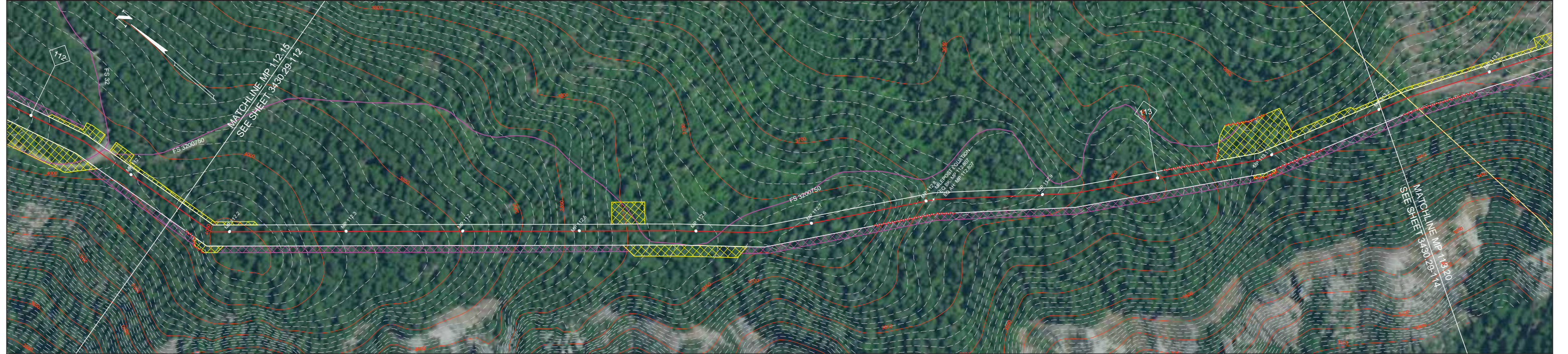
PUBLIC

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

SPREAD #5  
MP 111.30 TO 112.15  
JACKSON 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: 3430.29-112 SHEET 112 OF 226

Legal Location	SEC 26, T32S, R2W	SEC 35, T32S, R2W	SEC 36, T32S, R2W	Legal Location				
Ownership / Management	JK-449,000			Ownership / Management				
Jurisdiction	UMPUQUA NATIONAL FOREST			Jurisdiction				
Federal Land Use Allocation	Matrix - Umpqua NF			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	PEREGRINE FALCON (JANUARY 1 - AUGUST 31 (No Activity))			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	1	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.
- 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
- 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		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

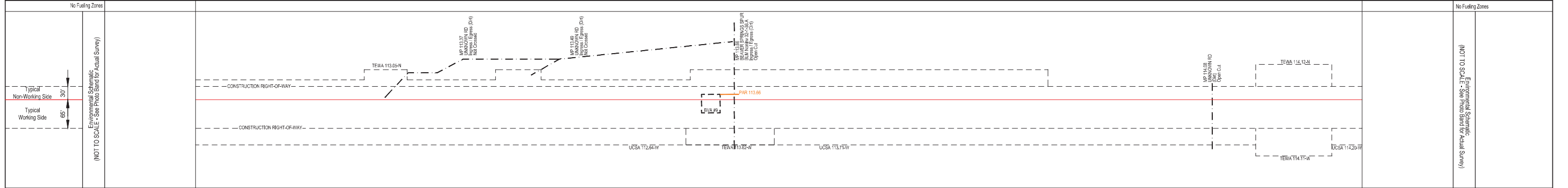
**PUBLIC**

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

**SPREAD #5**  
**MP 112.15 TO 113.20**  
**JACKSON 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: 3430.29-113	SHEET 113 OF 226

Legal Location		SEC 36, T32S, R2W		Legal Location
Ownership / Management	JK49000	JK-450.000		Ownership / Management
Jurisdiction		JACKSON 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)		PEREGRINE FALCON (JANUARY 1 - AUGUST 31 (No Activity))		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)		BVA #9 / 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.
- 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	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: 0, 200, 400 FEET

**PUBLIC**

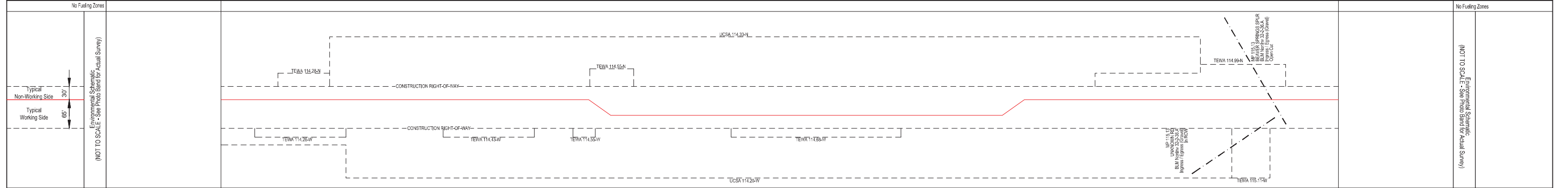
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 113.20 TO 114.23**  
**JACKSON 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: 3430.29-114	SHEET 114 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 36, T32S, R2W	SEC 1, T33S, R2W	Legal Location
Ownership / Management	JK-450.000	JK-451.000	JK-452.000
Jurisdiction	JACKSON COUNTY		
Federal Land Use Allocation	BLM - MEDFORD DISTRICT		
Areas of High Groundwater (Potential Trench Dewatering)	6	7	7
Wetland / Waterbody			
Crossing Method / Instream Construction Window			
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk	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.
- 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		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 (Unknw-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

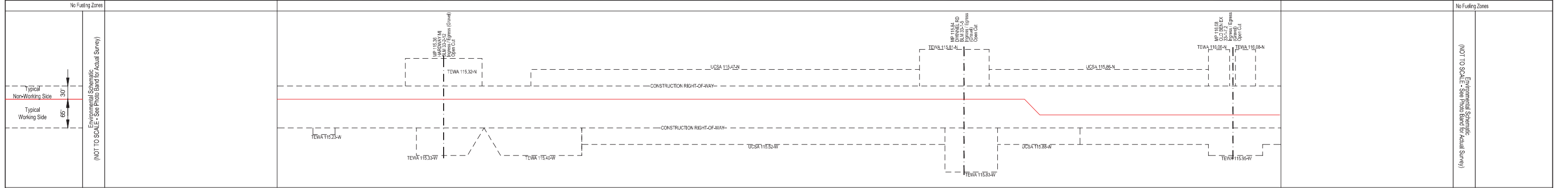
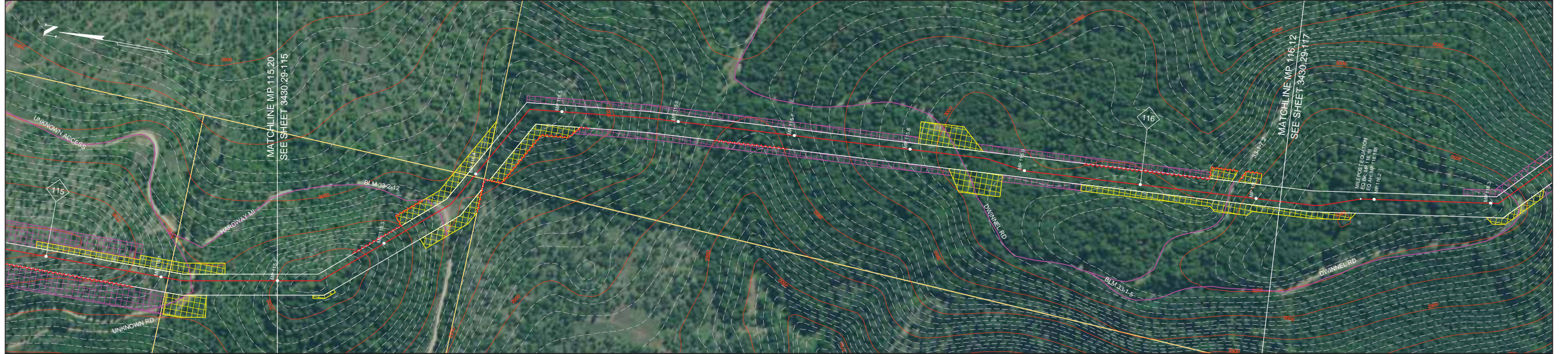
**PUBLIC**

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

**SPREAD #5**  
**MP 114.23 TO 115.20**  
**JACKSON 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: 3430.29-115 SHEET 226 OF 226

Legal Location	SEC 1, T33S, R2W	SEC 6, T33S, R1W SEC 12, T33S, R2W	SEC 7, T33S, R1W	Legal Location
Ownership / Management	JK-452.000	JK-453.000 JK-455.000RT	JK-454.000	Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT		BLM - MEDFORD DISTRICT	Jurisdiction
Federal Land Use Allocation	7 6 7	2b 6	7 2b 7	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	1	1/2 2	1 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.
- 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 Windrow (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	

**PUBLIC**

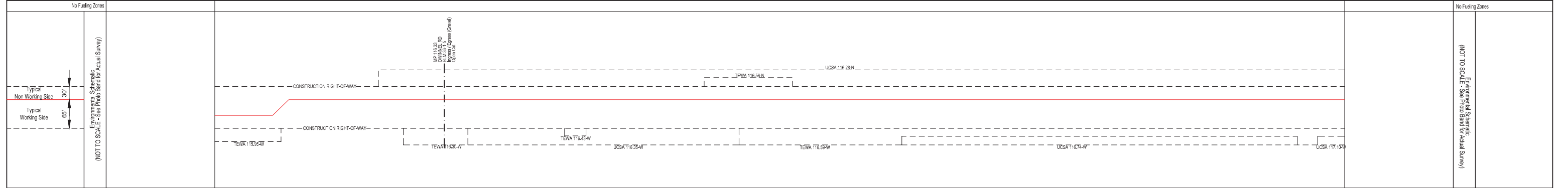
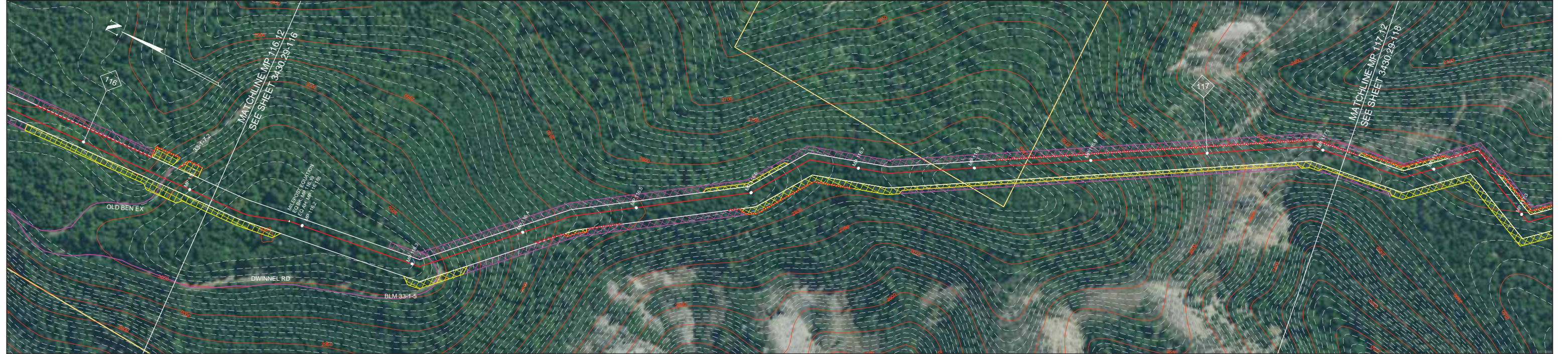
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3  
MP 115.20 TO 116.12  
JACKSON 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- 116	SHEET 116 OF 226



Legal Location	SEC 7, T33S, R1W				SEC 18, T33S, R1W				Legal Location	
Ownership / Management	JK-454.000				JK-456.000				JK-454.000	Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT				JACKSON COUNTY				BLM - MEDFORD DISTRICT	Jurisdiction
Federal Landuse Allocation	6	2b			6			2a	2b	2a
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	2/3	2			1/2	2	2
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.
- 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 (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: 200 0 200 400 FEET

**PUBLIC**

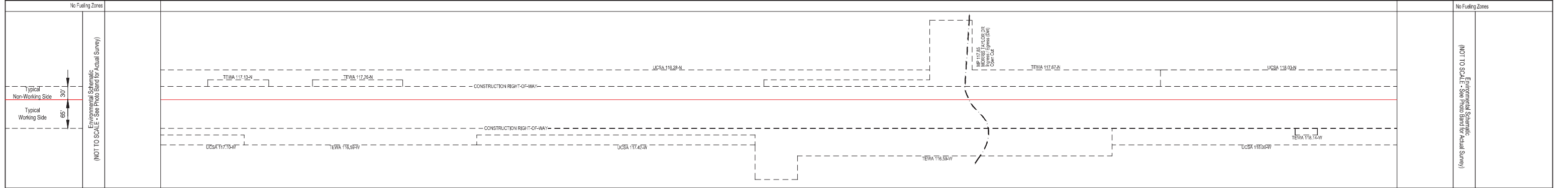
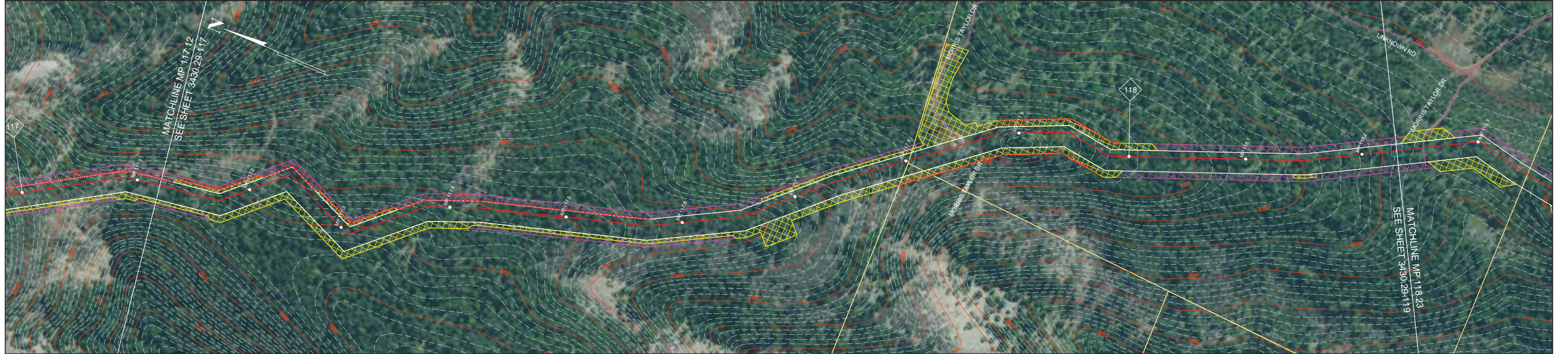
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 116.12 TO 117.12  
JACKSON 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: 3430.29-117	SHEET 117 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 18, T33S, R1W				SEC 17, T33S, R1W SEC 19, T33S, R1W	SEC 20, T33S, R1W				Legal Location	
Ownership / Management	JK-454.000				JK-457.000	JK-458.000				Ownership / Management	
Jurisdiction	BLM - MEDFORD DISTRICT					JACKSON COUNTY				Jurisdiction	
Federal Landuse Allocation	2a	2b	2a	2b						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	1	2	1	2	1	2	1	Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	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.
- 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
- 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				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

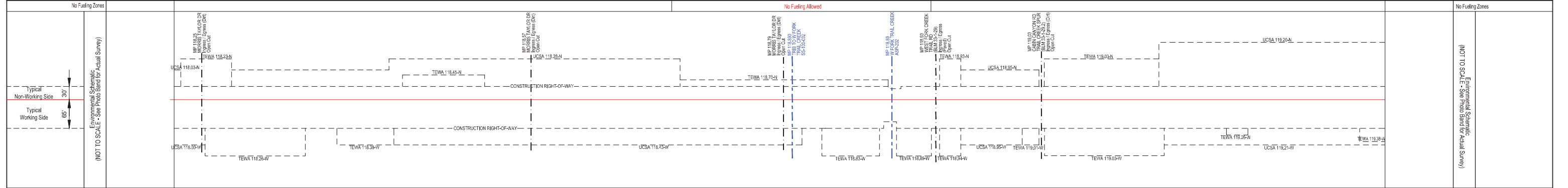
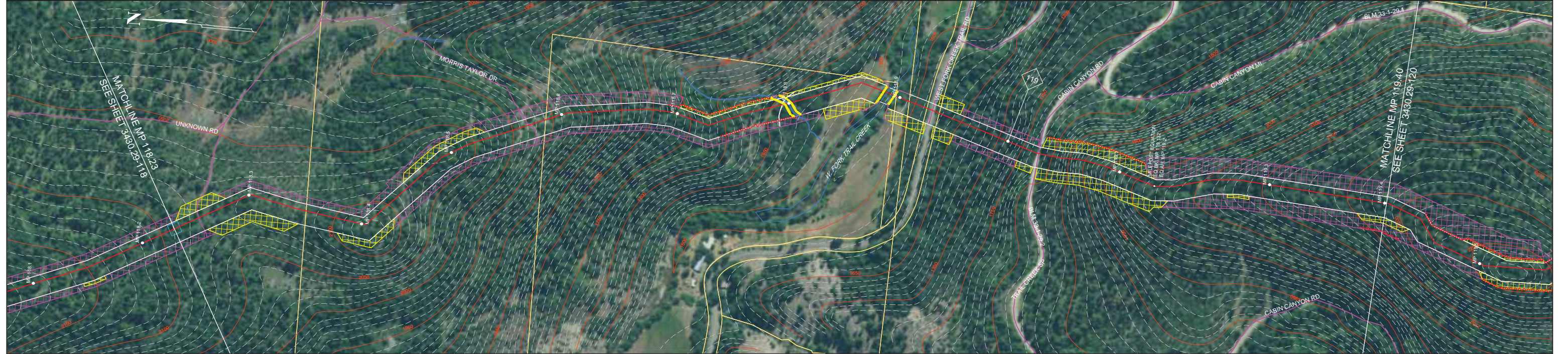
**PUBLIC**

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

**SPREAD #5**  
**MP 117.12 TO 118.23**  
**JACKSON 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: 3430.29-118	SHEET 118 OF 226

Legal Location	SEC 20, T33S, R1W				SEC 29, T33S, R1W				Legal Location
Ownership / Management	JK-458.000	JK-459.000	JK-460.000	JK-461.000	JK-461.000	JK-461.000	JK-461.000	JK-461.000	Ownership / Management
Jurisdiction	JACKSON COUNTY				BLM - MEDFORD DISTRICT				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					DEC - APR				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:**

- 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 (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

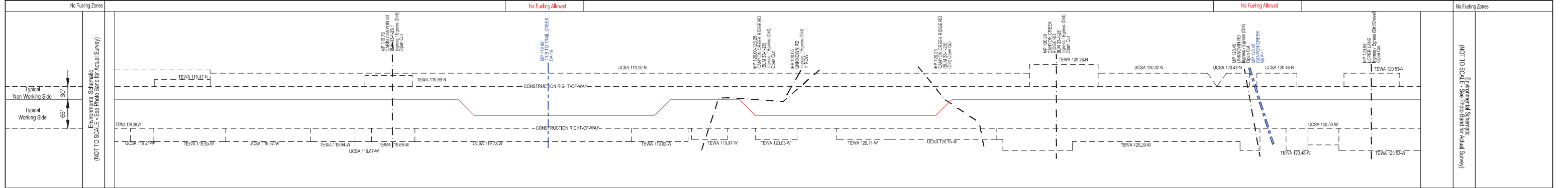
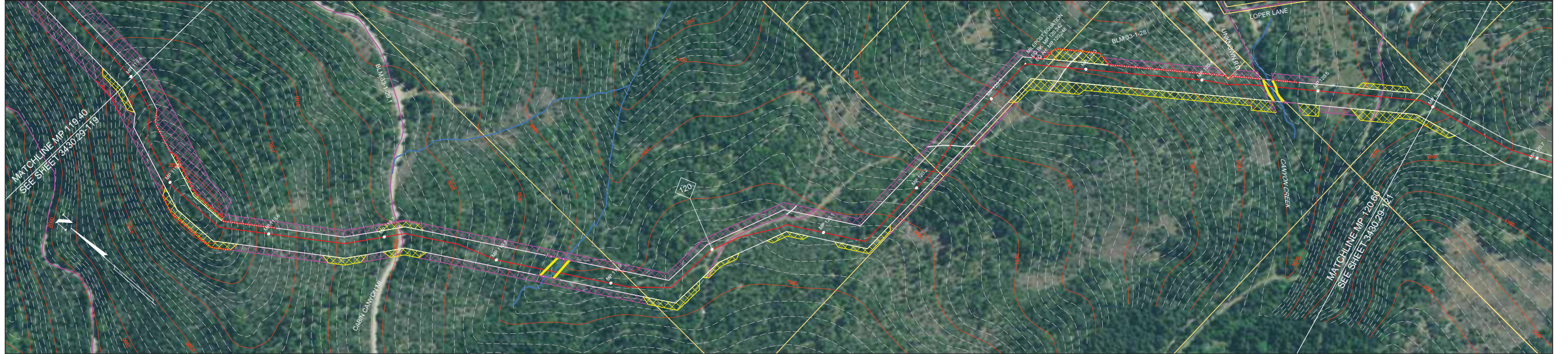
**PUBLIC**

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

**SPREAD #5**  
**MP 118.23 TO 119.40**  
**JACKSON COUNTY, OREGON**

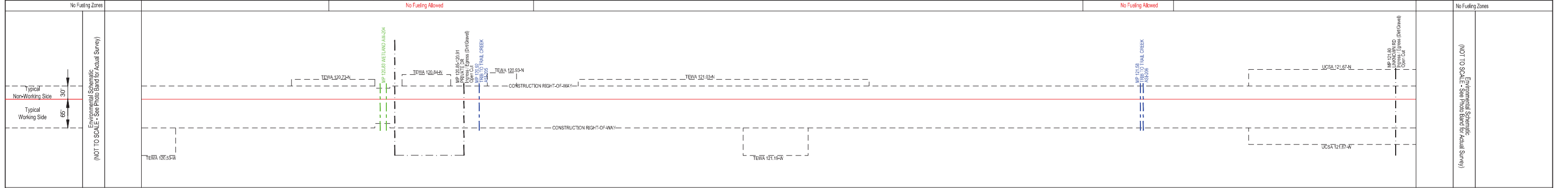
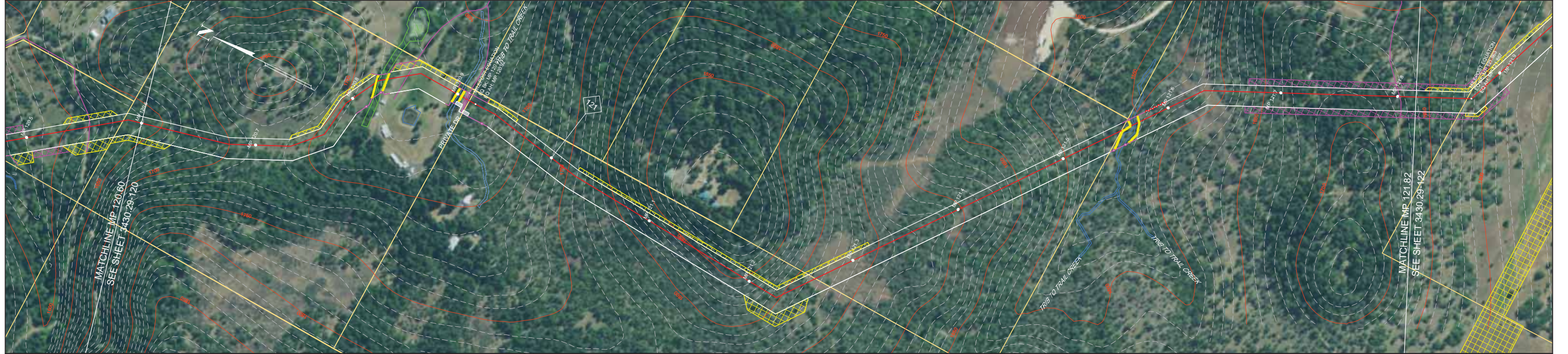
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CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-119	SHEET 119 OF 226

Legal Location	SEC 29, T33S, R1W						SEC 32, T33S, R1W			SEC 33, T33S, R1W			Legal Location												
Ownership / Management	JK-461.000						JK-463.000			JK-465.000			JK-466.000			JK-467.000LT			JK-468.000			JK-469.000			Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT						JACKSON COUNTY						BLM - MEDFORD DISTRICT			JACKSON COUNTY						Jurisdiction			
Federal Land Use Allocation	6						2a						2a			2a			4a			6			Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)							Trib to Trail Creek									Canyon Creek						Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody							Dry Open-Cut / June 15 - Sept. 15									Dry Open-Cut / June 15 - Sept. 15						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	1						2						2a									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)						ACCESS DENIED (CULTURAL / WETLAND)			ACCESS DENIED (WETLAND)						Survey Status (wetlands as of July 2017)			



<p>NOTES:</p> <ol style="list-style-type: none"> <li>In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.</li> <li>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.</li> <li>In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.</li> <li>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.</li> <li>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 &amp; pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.</li> <li>Right-of-way grading or vegetation clearing will occur as necessary.</li> <li>Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.</li> <li>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.</li> </ol>		<p>LEGEND</p> <ul style="list-style-type: none"> <li>Proposed Pipeline</li> <li>Tax Parcel Boundaries</li> <li>Wetland</li> <li>Stream</li> <li>Access Road</li> <li>Permanent / Temporary Access Road (PAR / TAR)</li> <li>Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.</li> <li>Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)</li> <li>Silt Fence (SF)</li> <li>Safety Fence (SAF)</li> <li>Slash Filter Window (SFV)</li> <li>Construction Entrance Pad (CE)</li> <li>Temporary Construction Right-of-Way (Shown white on photography)</li> <li>Temporary Extra Work Area</li> <li>Uncleared Storage Area</li> <li>Pipe Yard</li> <li>Aboveground Facility</li> <li>Rock Source/Disposal</li> </ul>		<p>BLM LANDUSE - 2016 RMP</p> <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> <p>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</p> <ul style="list-style-type: none"> <li>1-Very Low</li> <li>2-Low</li> <li>3-Moderate</li> <li>4-High</li> <li>5-Very High</li> </ul>		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"> <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> <p>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 #5 MP 119.40 TO 120.60 JACKSON 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: 3430-29-120 SHEET 120 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	SEC 33, T33S, R11W				SEC 4, T34S, R11W				Legal Location
Ownership / Management	JK-69.000		JK-170.000		JK-471.000		JK-473.000		Ownership / Management
Jurisdiction	JACKSON COUNTY				BLM - MEDFORD DISTRICT				JACKSON COUNTY
Federal Land Use Allocation					2a	2b	2a	4a	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)					Trib. to Trail Creek				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	AW-204				Trib. to Trail Creek				Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / June 15 - Sept. 15				Dry Open-Cut / June 15 - 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	1	2		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	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.
- 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)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Windrow (SFW)
- 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

200 0 200 400 FEET

**PUBLIC**

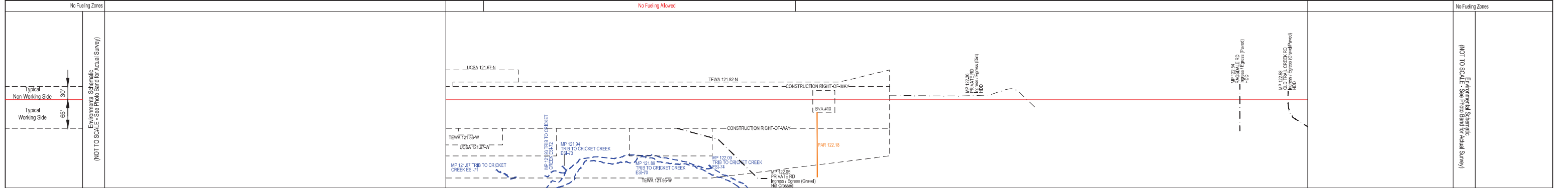
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 120.60 TO 121.82  
JACKSON 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: 3430.29-121	SHEET 121 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 4, T34S, R1W	SEC 3, T34S, R1W	Legal Location
Ownership / Management	JK-474.000	JK-475.000	JK-476.000
Jurisdiction	JACKSON COUNTY		
Federal Land Use Allocation			
Areas of High Groundwater (Potential Trench Dewatering)			
Wetland / Waterbody	Trib to Cricket Creek Trib to Cricket Creek Trib to Cricket Creek Trib to Cricket Creek		
Crossing Method / Instream Construction Window	Adjacent to Centerline Within ROW / June 15 - Sept 15 Dry Open-Cut / June 15 - Sept. 15		
Biological Seasonal Construction Window (as of September 2017)			
Topsoil Salvage / Federal Lands Soil Risk			
Hydrostatic Test Water Release Aboveground Facilities / Residential	BVA #10 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.
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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 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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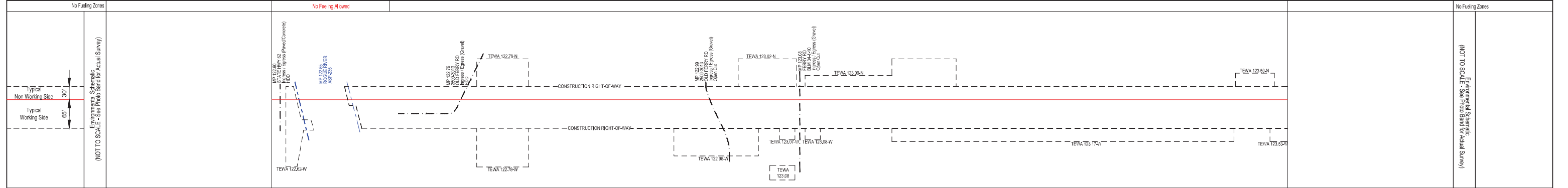
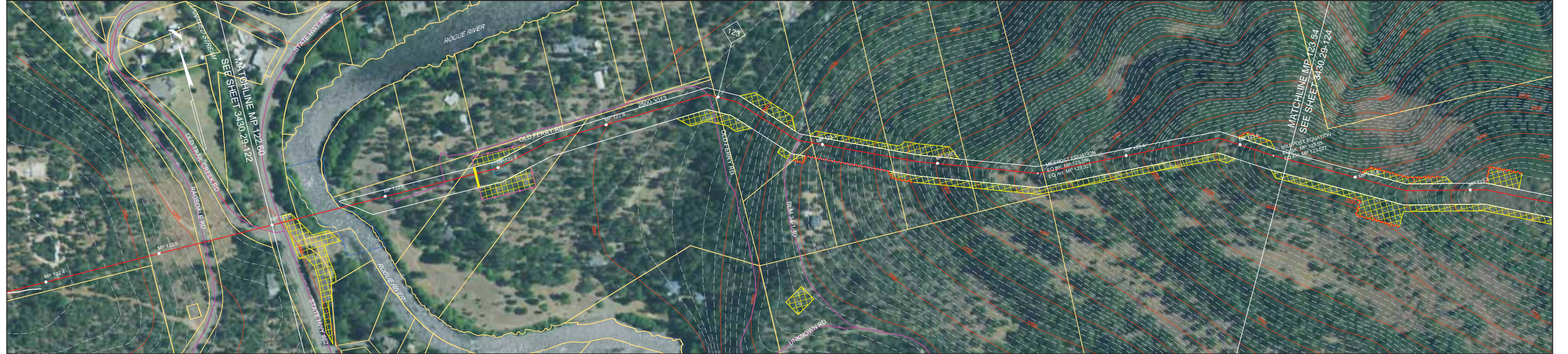
**PUBLIC**

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

**SPREAD #5  
MP 121.82 TO 122.60  
JACKSON 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: 3430.29-122	SHEET 122 OF 226

Legal Location		SEC 3, T34S, R11W		SEC 2, T34S, R11W		Legal Location
Ownership / Management	CARVER LANE HWY #82 JK-487.000 JK-488.000 ROGUE RIVER JK-483.000WIC JK-480.020 JK-481.000 JK-484.000 JK-485.000 JK-486.000 JK-487.000 JK-488.000 JK-489.000 JK-490.000 JK-491.000					Ownership / Management
Jurisdiction		JACKSON COUNTY		BLM - MEDFORD DISTRICT JACKSON COUNTY		Jurisdiction
Federal Landuse Allocation				2b 2a 2b 2a		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)						Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody		Rogue River				Wetland / Waterbody
Crossing Method / Instream Construction Window		HDD / June 15 - August 31 (See Note 8)				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	3	2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)		HYDROSTATIC TEST BREAK		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.
- 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: 200 0 200 400 FEET

**PUBLIC**

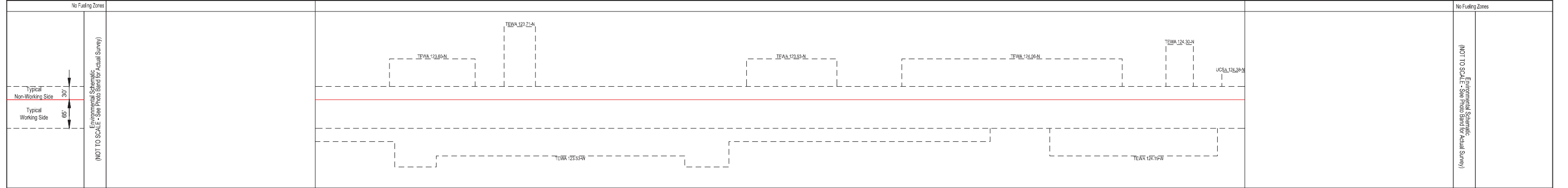
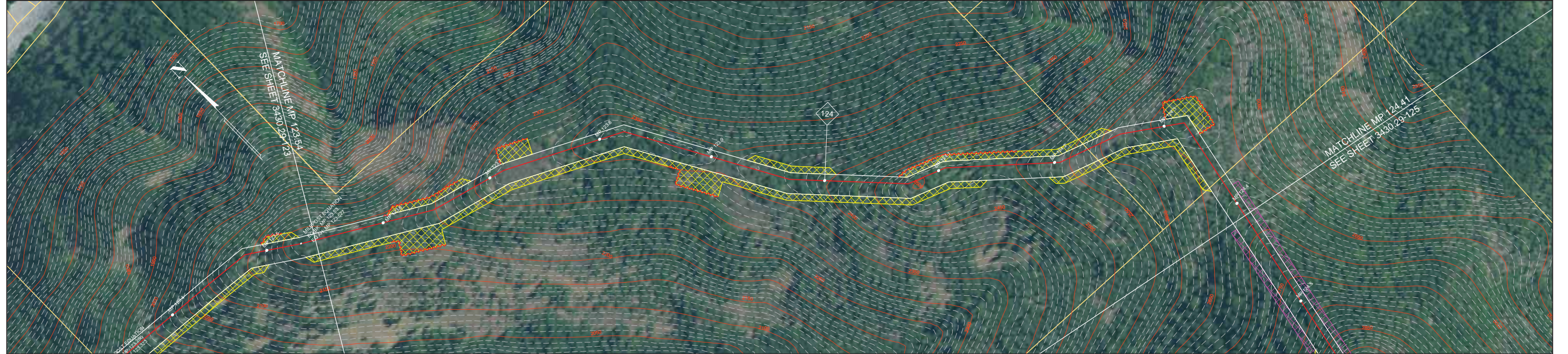
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 122.60 TO 123.54**  
**JACKSON COUNTY, OREGON**

**Pacific Connector**  
 GAS PIPELINE

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: 3430.29-123	SHEET 123 OF 226

Legal Location	SEC 2, T34S, R1W						SEC 11, T34S, R1W		Legal Location
Ownership / Management	JK-491.000						JK-492.000	JK-493.000	Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT						STATE OF OREGON BLM - MEDFORD DISTRICT		Jurisdiction
Federal Landuse Allocation	2a	4a	2a	2b	2a	6	2a	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)									
Topsoil Salvage / Federal Lands Soil Risk	2	2/3	2	3	2	2/3	2	2/3	
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)
- 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**

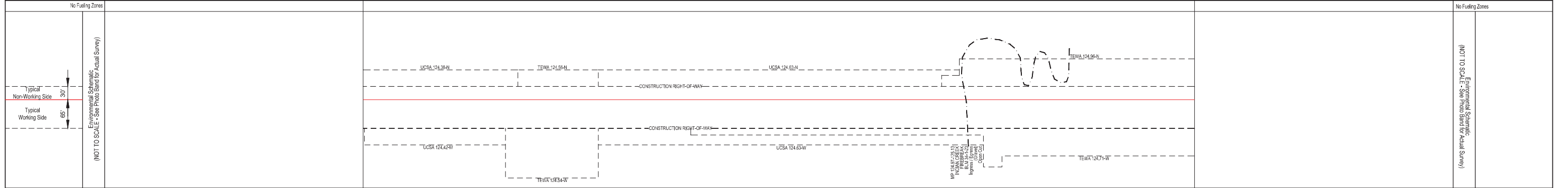
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

SPREAD #5  
MP 123.54 TO 124.41  
JACKSON 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: 3430.29-124 SHEET 124 OF 226



Legal Location	SEC 11, T34S, R1W		SEC 12, T34S, R1W		Legal Location				
Ownership / Management	JK-493.000		JK-494.000		Ownership / Management				
Jurisdiction	BLM - MEDFORD DISTRICT				Jurisdiction				
Federal Landuse Allocation	4a	4a	2b	4a	2b	4a	6	4a	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	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)



- 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 (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			
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 - Establisment 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**

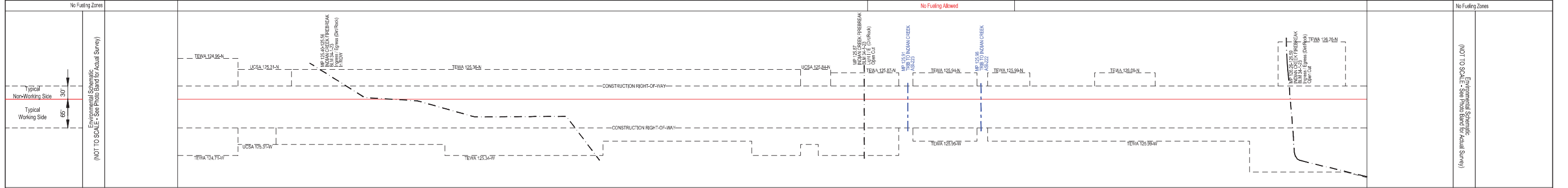
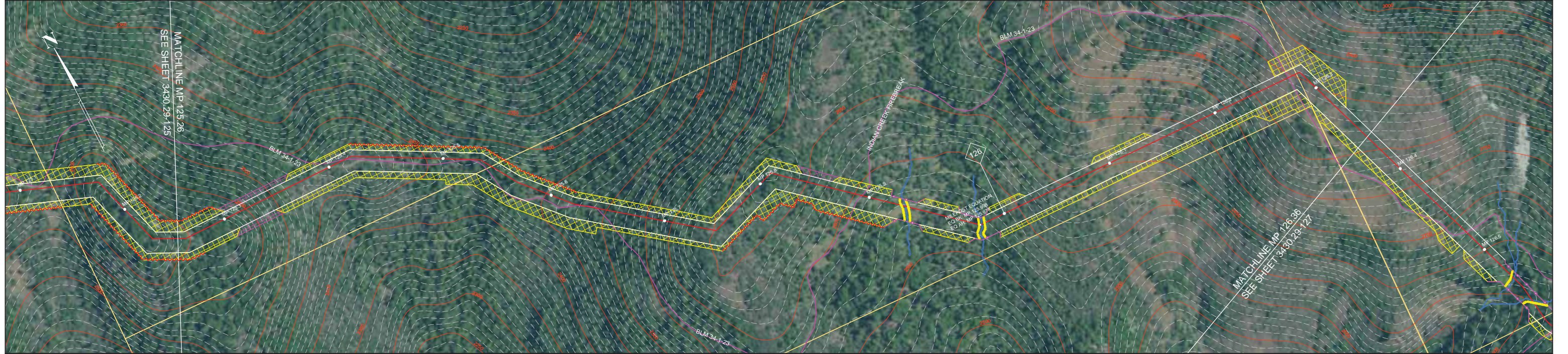
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 124.41 TO 125.26**  
**JACKSON 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: 3430.29-125	SHEET 125 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 12, T34S, R1W										SEC 7, T34S, R1E	SEC 10, T34S, R1E	Legal Location	
Ownership / Management	JK-494.000					JK-495.000					JK-496.000		Ownership / Management	
Jurisdiction	BLM - MEDFORD DISTRICT										BLM - MEDFORD DISTRICT		Jurisdiction	
Federal Land Use Allocation	2a	6	2a	4a	2b	2a	4a	JACKSON COUNTY					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													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	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 Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	
ACCESS DENIED (CULTURAL)														



**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 Windrow (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			
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

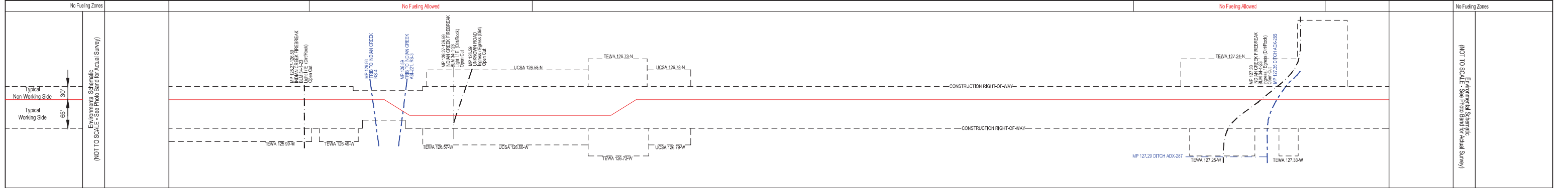
**PUBLIC**

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

**SPREAD #5  
MP 125.26 TO 126.36  
JACKSON 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: 3430.29-126	SHEET 126 OF 226

Legal Location	SEC 18, T34S, R1E										SEC 18, T34S, R1E	Legal Location	
Ownership / Management	JK-496.000			JK-498.000			JK-499.000			JK-500.000			Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT					JACKSON COUNTY					BLM - MEDFORD DISTRICT		Jurisdiction
Federal Land Use Allocation	2b	4a	2b	4a		2a	2b	2a	2b	2a		Federal Land Use Allocation	
Areas of High Groundwater (Potential Trench Dewatering)												Areas of High Groundwater (Potential Trench Dewatering)	
Wetland / Waterbody	Trib. to Indian Creek											Wetland / Waterbody	
Crossing Method / Instream Construction Window	Dry Open-Cut / June 15 - 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			1			2						Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential												Hydrostatic Test Water Release / Aboveground Facilities / Residential	
Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL)											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 - Estabio Management Area						
6 - Harvest Land Base (Unroto-Ago 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

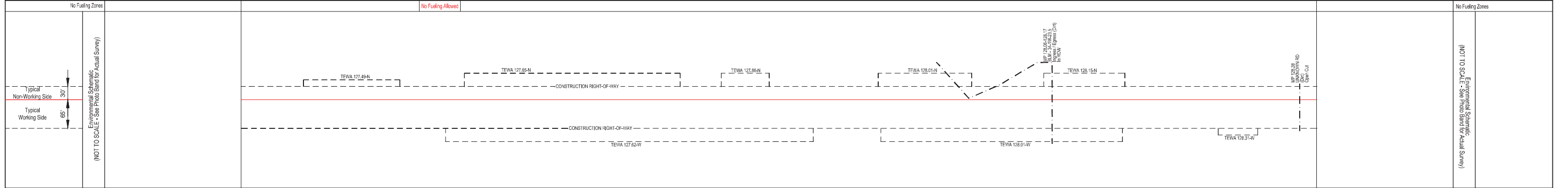
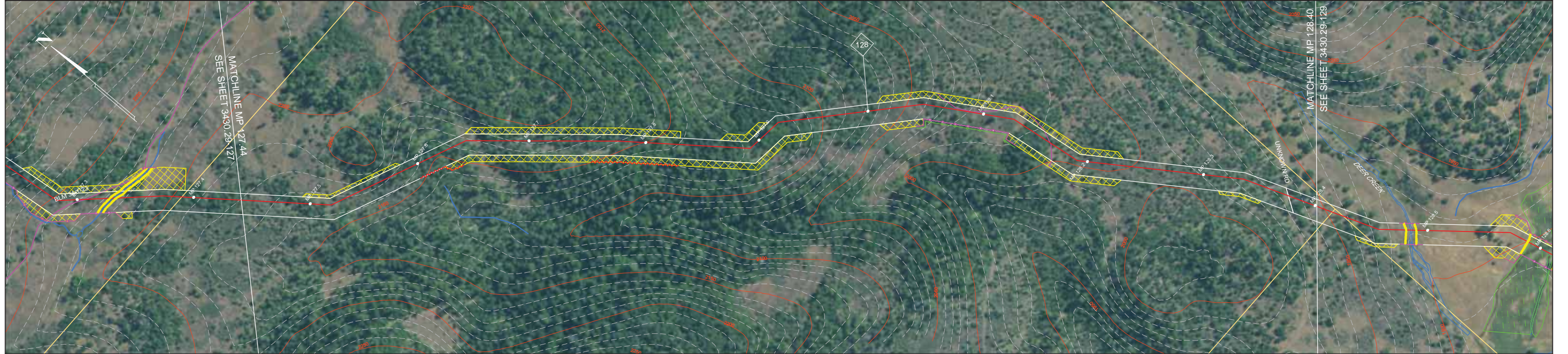
**PUBLIC**

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

**SPREAD #5**  
**MP 126.36 TO 127.44**  
**JACKSON 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: 3430.29-127    SHEET 127 OF 226

Legal Location	SEC 19, T34S, R1E												Legal Location
Ownership / Management	JK-500.000												Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT												Jurisdiction
Federal Landuse Allocation	2a	4a	2a	6	2a	2b	2a	2b	2a	2b	2a	2b	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	1	2	1	2	1	2	1	2	1	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.
- 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)
- 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.	CHK.	APP.
2	Sept-2017	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

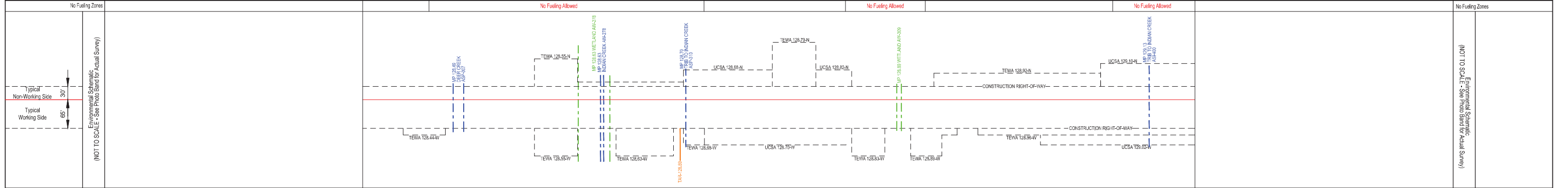
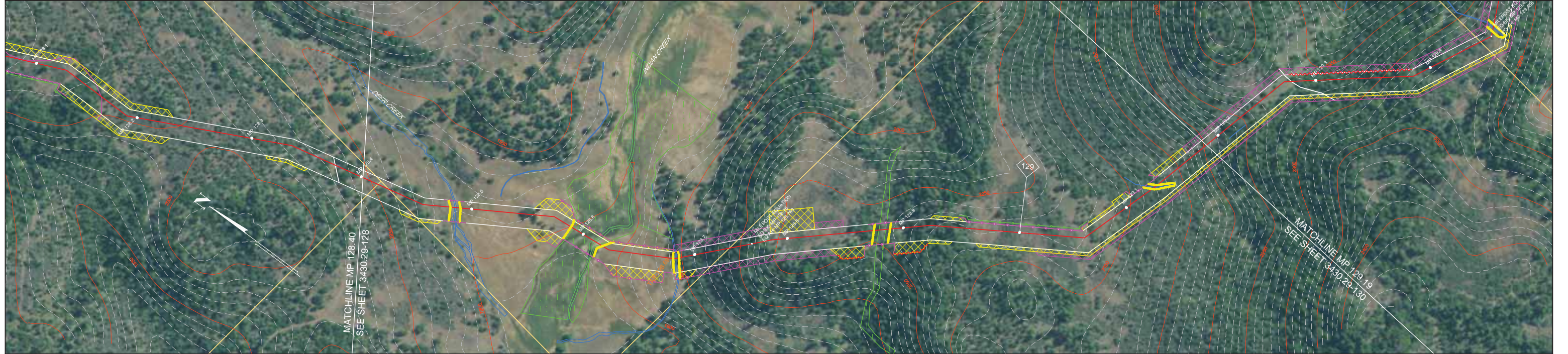
**PUBLIC**

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

**SPREAD #5**  
**MP 127.44 TO 128.40**  
**JACKSON 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: 3430.29-128	SHEET 128 OF 226

Legal Location	SEC 20, T34S, R1E	SEC 29, T34S, R1E	Legal Location
Ownership / Management	JK-500.000 JK-501.000 JK-502.000	JK-503.000	Ownership / Management
Jurisdiction	BLM JACKSON COUNTY	BLM - MEDFORD DISTRICT	Jurisdiction
Federal Landuse Allocation	2A	2a 2b 2a	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	DEC - MAR	AW-309	Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Deer Creek AW-278 Indian Creek Trib to Indian Creek	Trib to Indian Creek	Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / June 15 - Sept. 15	Dry Open-Cut / June 15 - 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)	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)
- 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**

200 0 200 400 FEET

**PUBLIC**

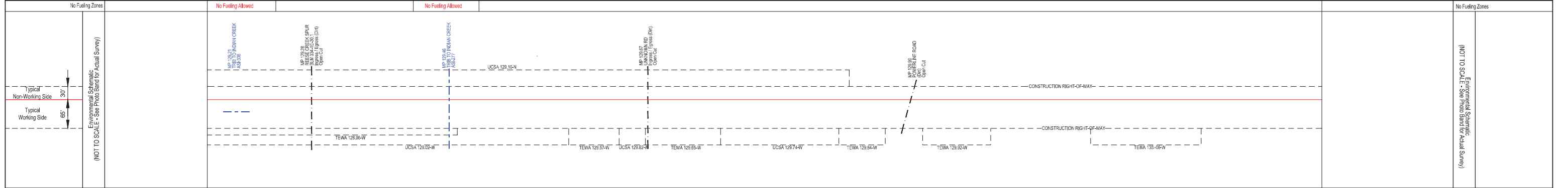
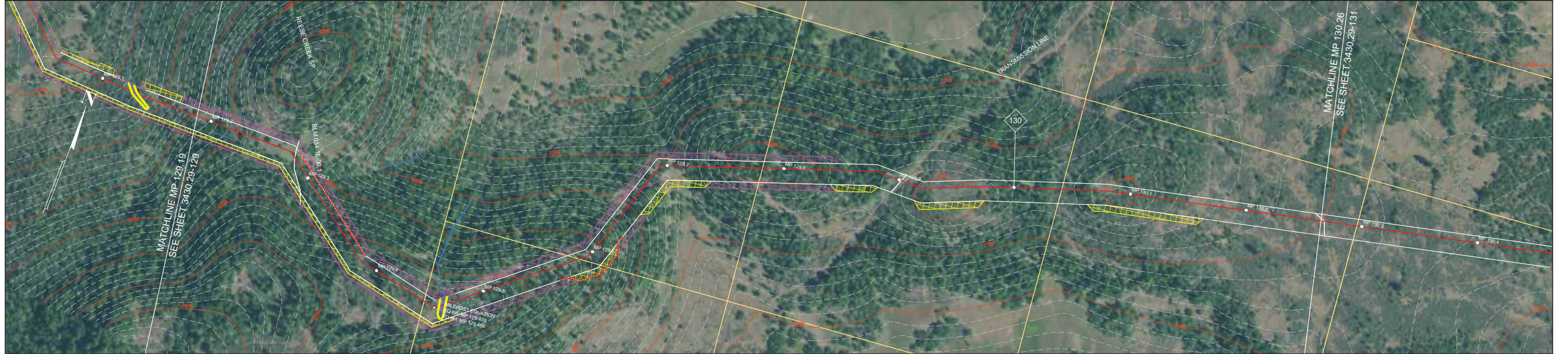
**PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5  
MP 128.40 TO 129.19  
JACKSON 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: 3430.29-129	SHEET 129 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 28, T34S, R1E				SEC 28, T34S, R1E				Legal Location
Ownership / Management	JK-503.000		JK-504.000		JK-505.000		JK-506.000		Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT				JACKSON COUNTY				Jurisdiction
Federal Landuse Allocation	2a	6	2a	2b	4a	6	2b	Federal Landuse Allocation	
Areas of High Groundwater (Potential Trench Dewatering)	Trib to Indian Creek				Trib to Indian Creek				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to Indian Creek				Trib to Indian Creek				Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open-Cut / June 15 - Sept. 15				Dry Open-Cut / June 15 - 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	3	2		1			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.
  - 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	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**

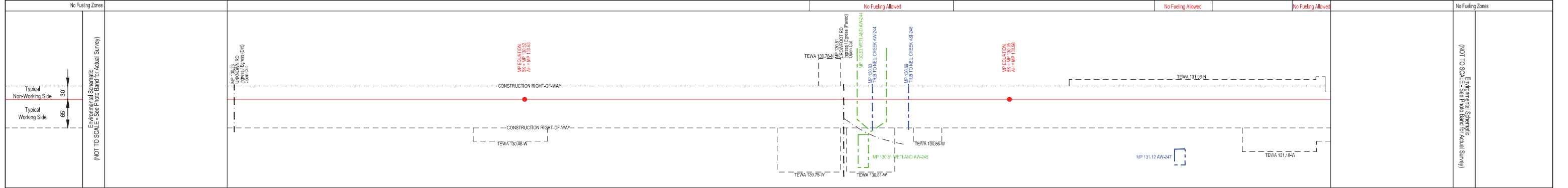
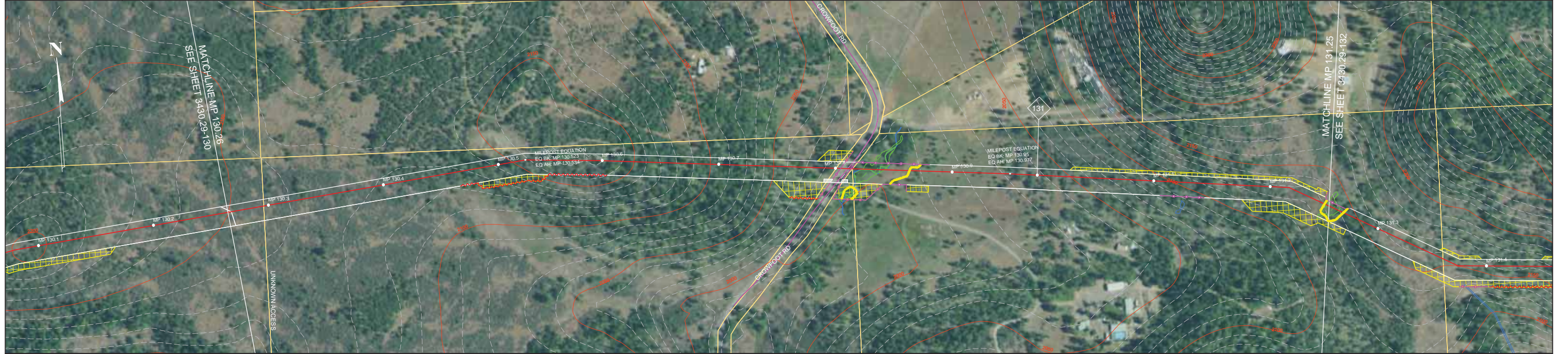
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #5**  
**MP 129.19 TO 130.26**  
**JACKSON 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: 3430.29-130	SHEET 130 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 28, T34S, R1E	SEC 28, T34S, R1E	SEC 28, T34S, R1E	SEC 27, T34S, R1E	Legal Location
Ownership / Management	JK-507.000	JK-508.000	CROWFOOT ROAD JK-508.100RD	JK-509.000	Ownership / Management
Jurisdiction	JACKSON 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	AW-245 AW-244 Tubs to Neil Creek Dry Open-Cut / June 15 - 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)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Windrow (SFW)
- 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

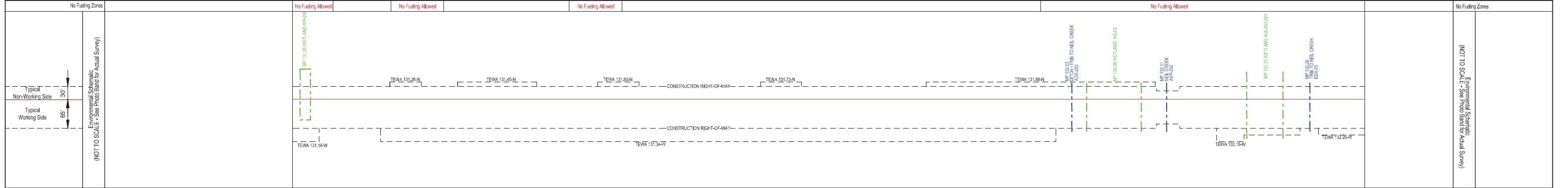
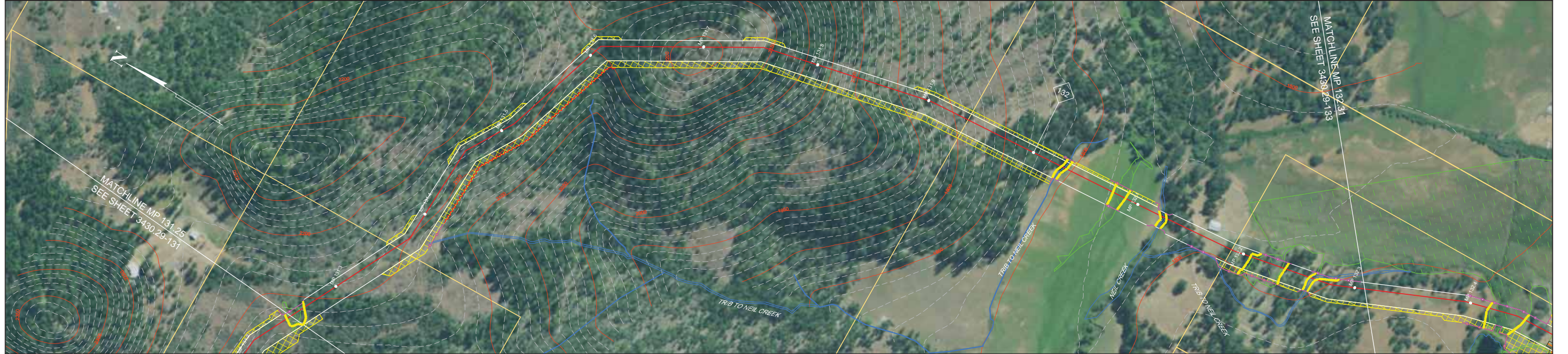
**PUBLIC**

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

**SPREAD #5  
MP 130.26 TO 131.25  
JACKSON 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: 3430.29-131	SHEET 131 OF 226

Legal Location	SEC 27, T34S, R1E				Legal Location
Ownership / Management	JK-509.000	JK-510.000	JK-511.000	JK-512.000	Ownership / Management
Jurisdiction	JACKSON COUNTY	BLM - MEDFORD DISTRICT	JACKSON 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	AW-248			DEC - MAY Trib to Neil Creek W2-02 Neil Creek	Wetland / Waterbody
Crossing Method / Instream Construction Window				Dry Open-Cut / June 15 - Sept. 15 Dry Open-Cut / June 15 - 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	Unknown		Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	DENIED ACCESS (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.
  - 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 (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**

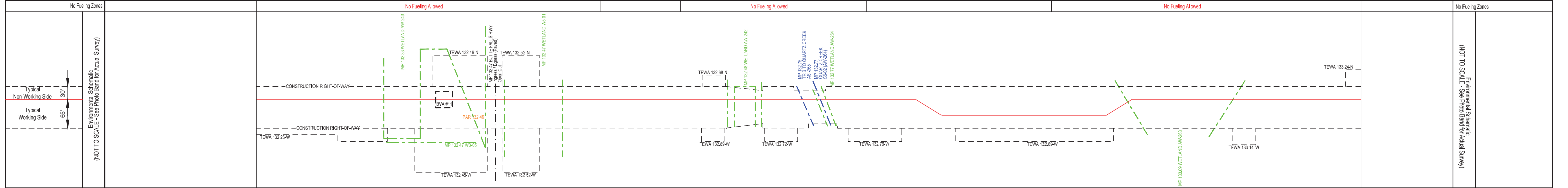
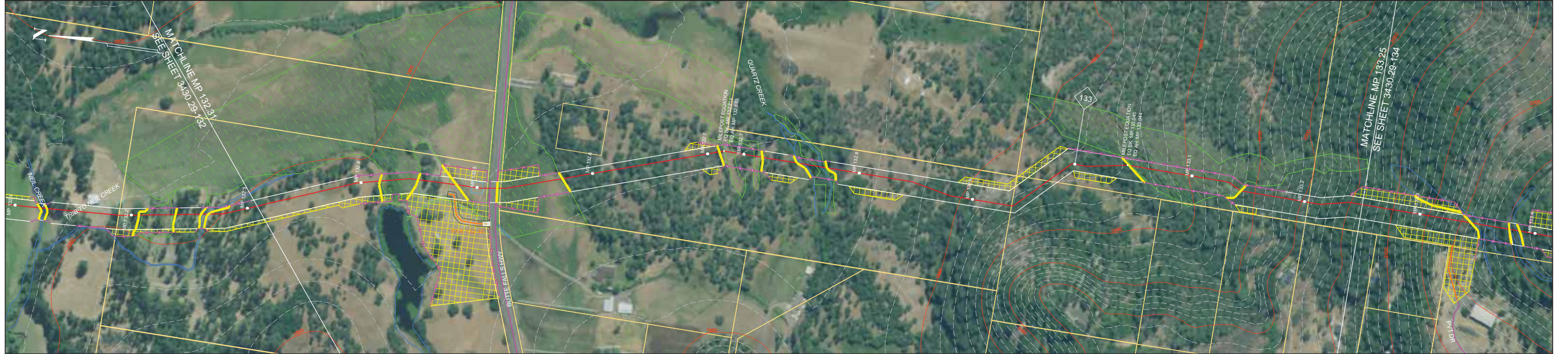
SPREADS #5 & #6  
 MP 131.25 TO 132.31  
 JACKSON COUNTY, OREGON

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: 3430.29-132	SHEET 132 OF 226

**Pacific Connector**  
GAS PIPELINE



Legal Location	SEC 27, T34S, R1E	SEC 26, T34S, R1E	SEC 35, T34S, R1E	SEC 34, T34S, R1E	SEC 35, T34S, R1E	Legal Location
Ownership / Management	JK-512,000	BUTTE FALLS HWY JK-515,000RD	JK-516,000	JK-517,000	JK-519,000	JK-520,000
Jurisdiction	JACKSON COUNTY					BLM - MEDFORD DISTRICT
Federal Land Use Allocation						
Areas of High Groundwater (Potential Trench Dewatering)						
Wetland / Waterbody	AW-243		AW-242	DEC - MAY Quartz Creek AW-284		AW-283
Crossing Method / Instream Construction Window	Dry Open-Cut / June 15 - Sept. 15					
Biological Seasonal Construction Window (as of September 2017)						
Topsoil Salvage / Federal Lands Soil Risk						2
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	BVA #11 / LAUNCHER/RECEIVER / HYDROSTATIC TEST BREAK					1



- 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)
- 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**

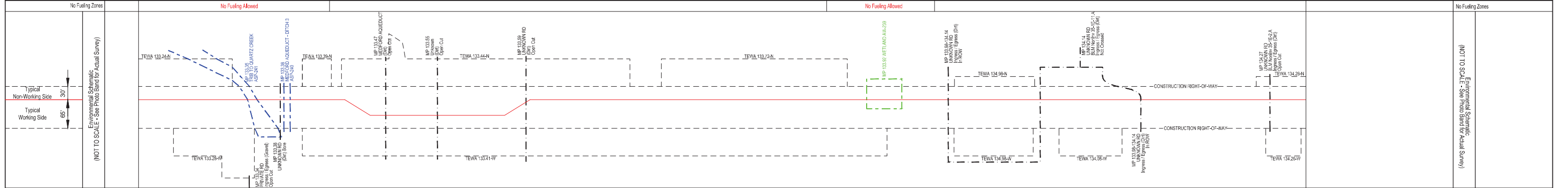
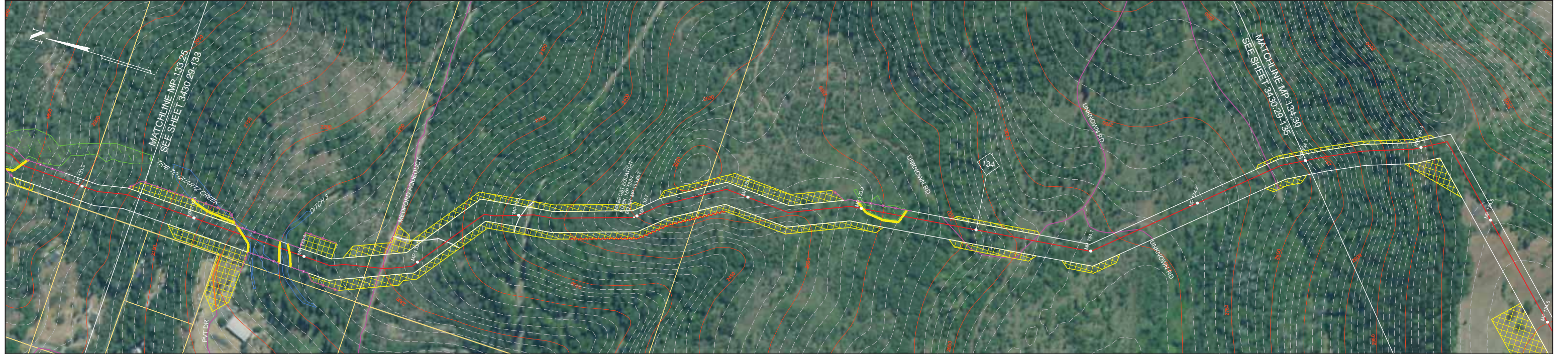
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
PACIFIC CONNECTOR GAS PIPELINE, LP  
ENVIRONMENTAL ALIGNMENT

**SPREAD #6**  
MP 132.31 TO 133.25  
JACKSON 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: 3430.29-133	SHEET 133 OF 126

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 35, T34S, R1E	SEC 2, T35S, R1E	Legal Location
Ownership / Management	JK-520.000 JK-522.010RT ABANDONED RAILROAD JK-521.000RR	JK-523.000	JK-524.000 Ownership / Management
Jurisdiction	BLM - MEDFORD DISTRICT	JACKSON COUNTY	Jurisdiction
Federal Landuse Allocation	6 2a 2b		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)		AVA-239	Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib to Quartz Creek		Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open Cut / June 15 - Sept. 15 Conventional Bore / June 15 - 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	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 (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)
- 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**

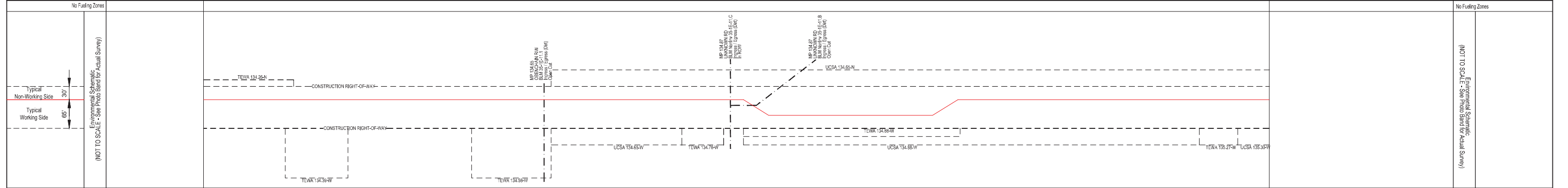
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #6**  
**MP 133.25 TO 134.30**  
**JACKSON 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: 3430-29-134	SHEET 134 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 2, T35S, R1E	SEC 11, T35S, R1E	Legal Location
Ownership / Management	JK-524.000	JK-525.000	Ownership / Management
Jurisdiction	JACKSON 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	NONE		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.
- 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 (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**

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**

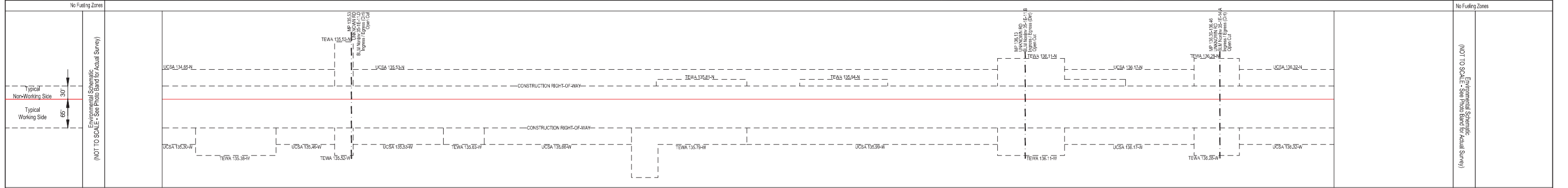
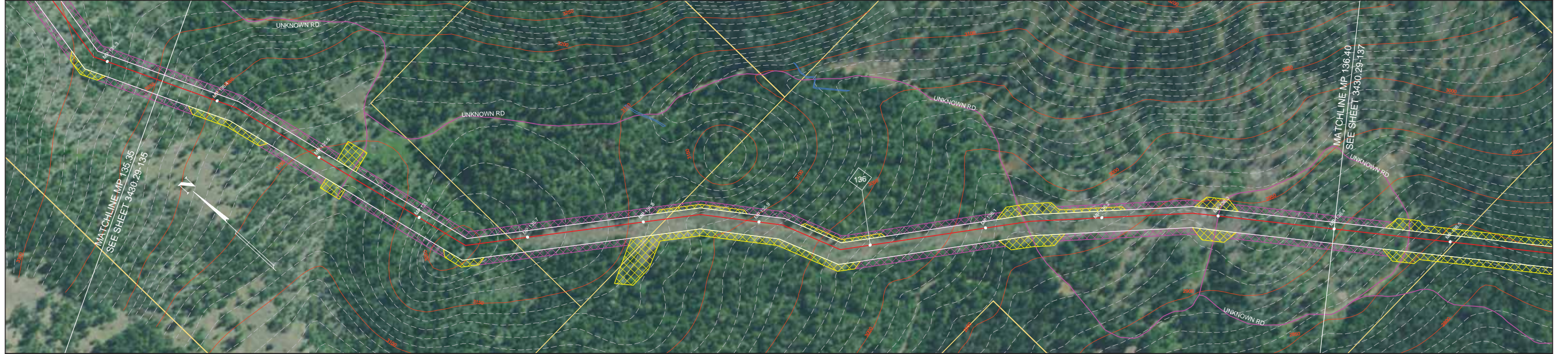
**PACIFIC CONNECTOR GAS PIPELINE PROJECT**  
**PACIFIC CONNECTOR GAS PIPELINE, LP**  
**ENVIRONMENTAL ALIGNMENT**

**SPREAD #6**  
**MP 134.30 TO 135.35**  
**JACKSON 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: 3430.29-135 SHEET 135 OF 226

**Pacific Connector**  
GAS PIPELINE

Legal Location	SEC 11, T36S, R1E		SEC 14, T36S, R1E		Legal Location
Ownership / Management	JK-525.000	JK-526.000	JK-527.000	JK-528.000	Ownership / Management
Jurisdiction	JACKSON 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 Survey Status (wetlands as of July 2017)					Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)



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NO.	DATE	BY	DESCRIPTION	CHK.	APP.
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**PUBLIC**

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

**SPREAD #6  
MP 135.35 TO 136.40  
JACKSON 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: 3430.29-136	SHEET 136 OF 226