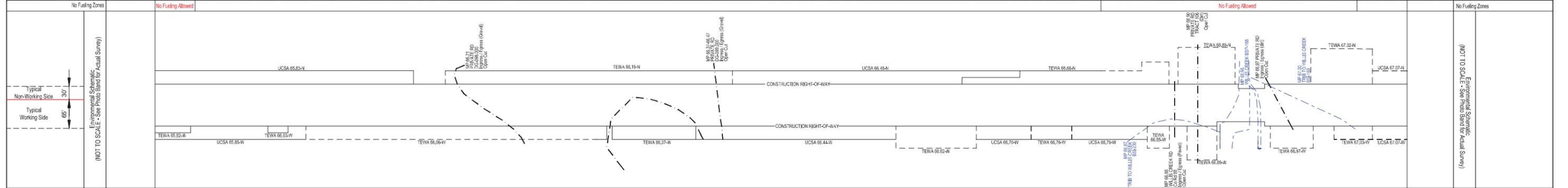

APPENDIX F.10
Plan of Development
(continued)

Legal Location	SEC 4, T29S, R6W						SEC 3, T29S, R6W		SEC 10, T29S, R6W				Legal Location	
Ownership / Management	DO-291.000		DO-292.000	DO-293.000	DO-294.000	DO-295.000	DO-296.000	DO-297.000	WILLS CREEK DC-300.000RD	DO-301.000	DC-300.000WC	DO-301.000	DO-301.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY													
Federal Land Use Allocation														
Areas of High Groundwater (Potential Trench Dewatering)														
Wetland / Waterbody	Trib to Willis Creek Willis Creek Trib to Willis 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	HYDROSTATIC TEST BREAK													
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)
- 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 to 400 FEET

PUBLIC

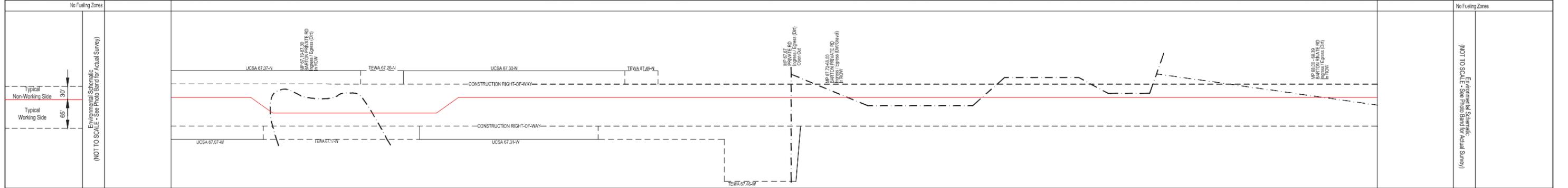
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 65.93 TO 67.10
DOUGLAS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-065	SHEET 65 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 10, T29S, R6W	SEC 11, T29S, R6W	Legal Location
Ownership / Management	DO-301.000	DO-301.002	Ownership / Management
Jurisdiction	DOUGLAS COUNTY		Jurisdiction
Federal Landuse Allocation			Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			Wetland / Waterbody
Crossing Method / Instream Construction Window			Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)			Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL / WETLAND)		Survey Status (wetlands as of July 2017)



NOTES:

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

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (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 - Establisment Management Area						
6 - Harvest Land Base (Unrecovered Timber Area)						
7 - Harvest Land Base (Low Intensity Timber Area)						
8 - Harvest Land Base (Moderate Intensity Timber Area)						

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

PUBLIC

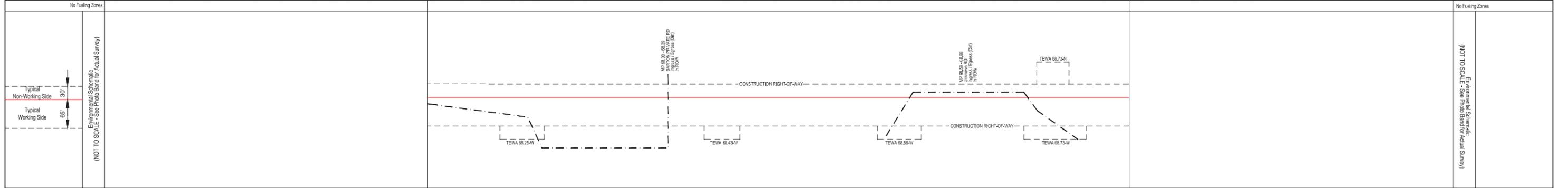
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 67.10 TO 68.19
DOUGLAS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-066	SHEET 66 OF 226

Pacific Connector
GAS PIPELINE

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



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

NOTES:

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

LEGEND

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

200 0 200 400 FEET

PUBLIC

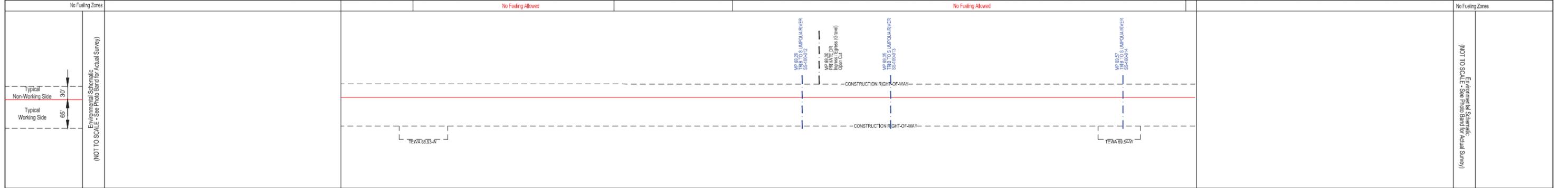
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #3
MP 68.19 TO 68.88
DOUGLAS COUNTY, OREGON

DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430.29-067	SHEET 67 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 14, T29S, R6W	SEC , T29S, R6W	SEC 13, T29S, R6W	Legal Location		
Ownership / Management	DC-301.035	DC-301.036	DC-301.037	DC-301.038	DC-301.039	Ownership / Management
Jurisdiction	DOUGLAS COUNTY					Jurisdiction
Federal Landuse Allocation						Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)						Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Trib South Umpqua River					Wetland / Waterbody
Crossing Method / Instream Construction Window	Dry Open Cut / July 1 - Sept. 15					Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)						Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk						Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential						Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)						Survey Status (wetlands as of July 2017)



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

LEGEND

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

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

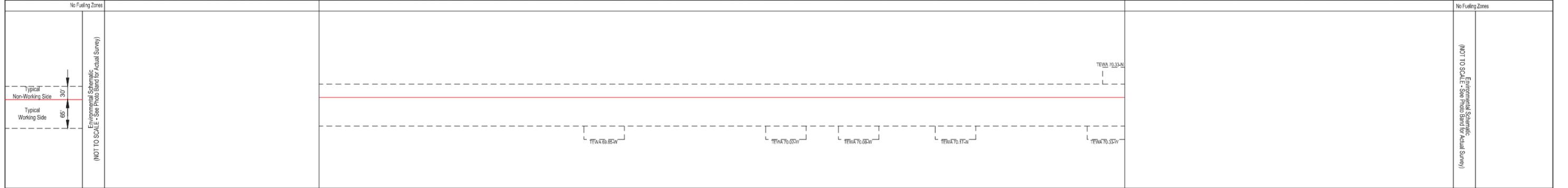
PUBLIC

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

SPREAD #3
MP 68.88 TO 69.62
DOUGLAS COUNTY, OREGON

DRAWN BY: EE DATE: AUG-2019 ISSUED FOR BID: 24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE DATE: AUG-2019 ISSUED FOR CONSTRUCTION: 11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE DATE: AUG-2019 DRAWING NUMBER: 3430.29-068 SHEET 68 OF 226

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

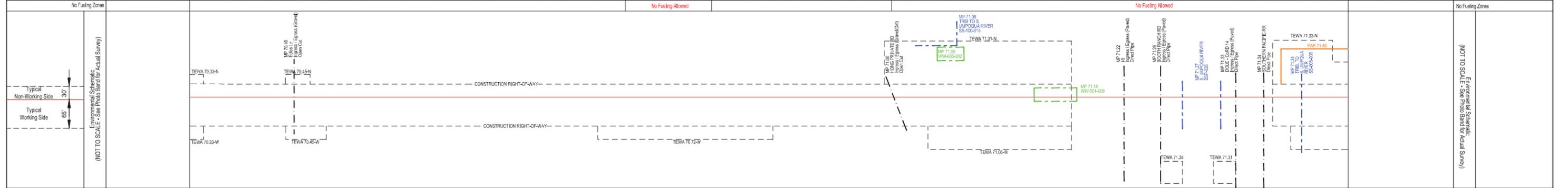
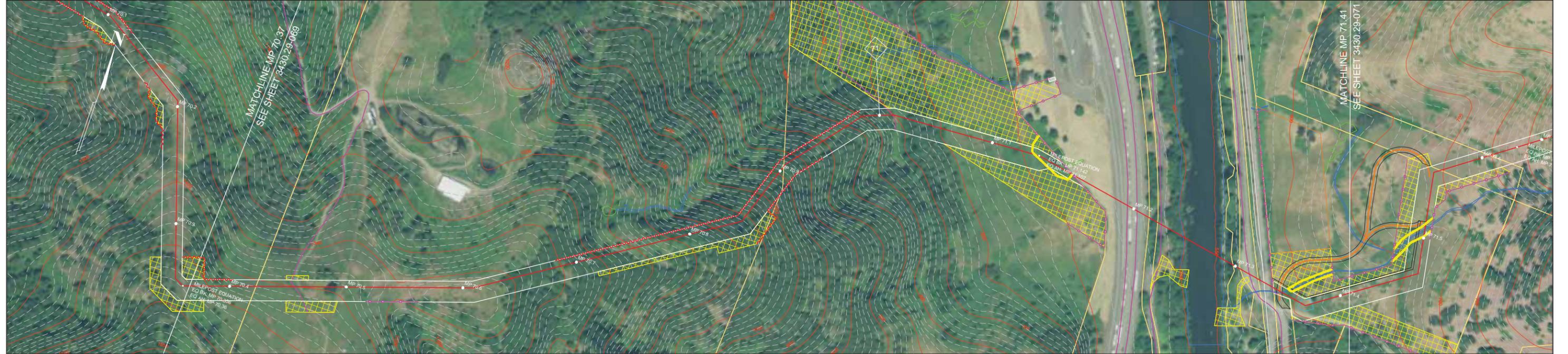
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #3
MP 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-301.083 DOLE RD	DO-301.613	DO-301.053	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 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.
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 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (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

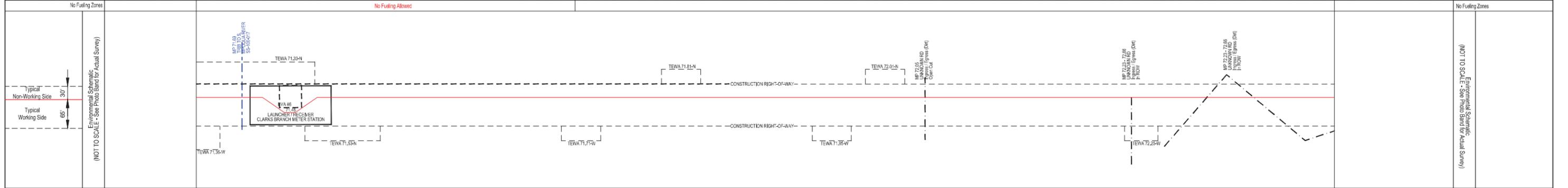
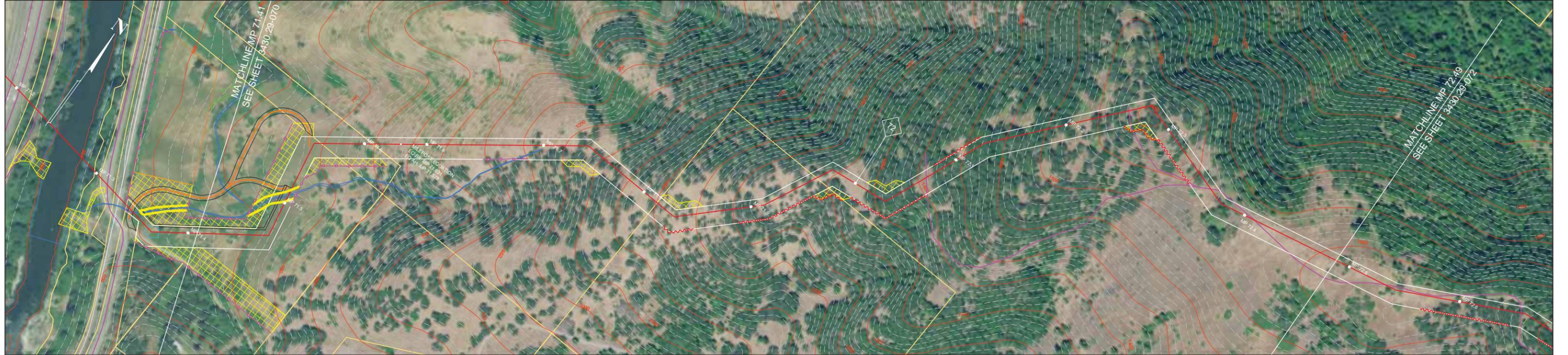
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

BLM LANDUSE - 2016 RMP

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017	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

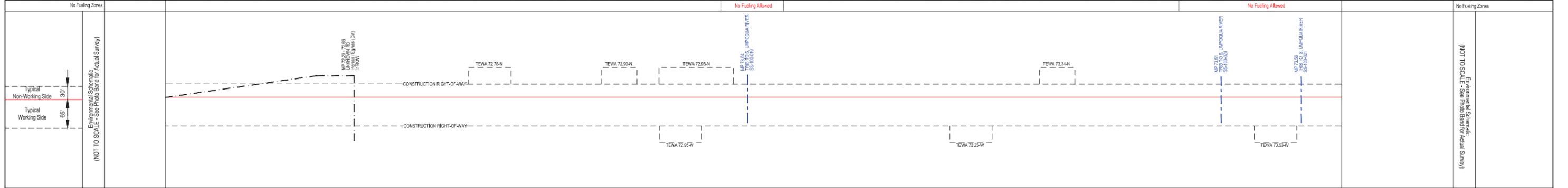
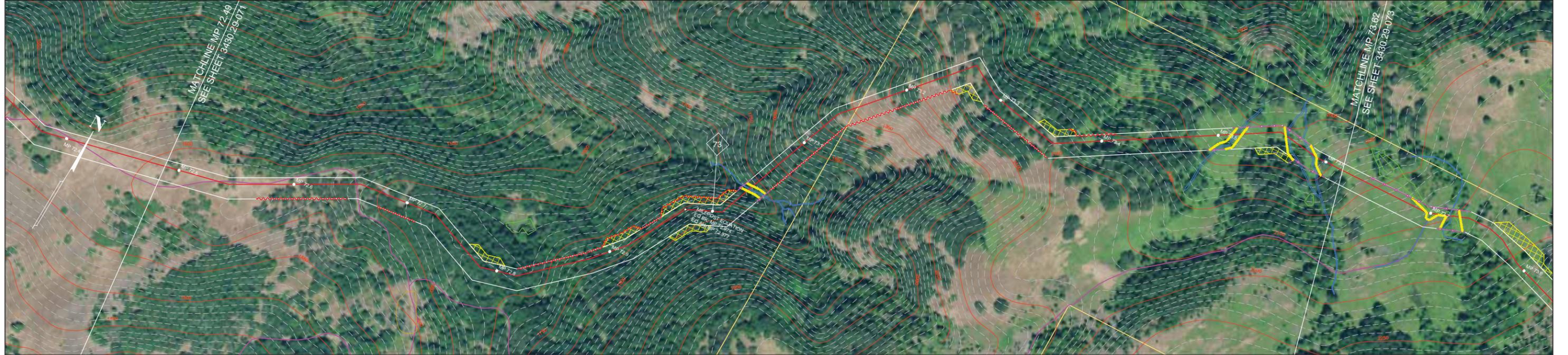
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 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)
- 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

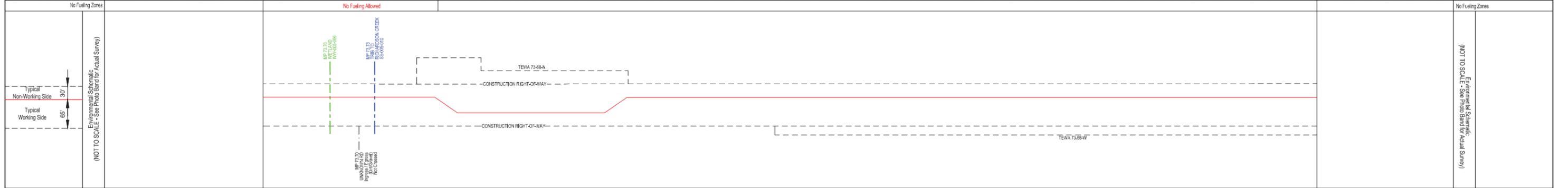
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #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.
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- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (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

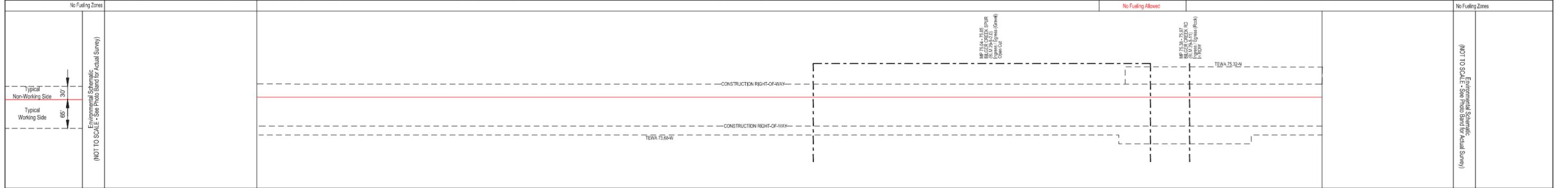
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #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.
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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			
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

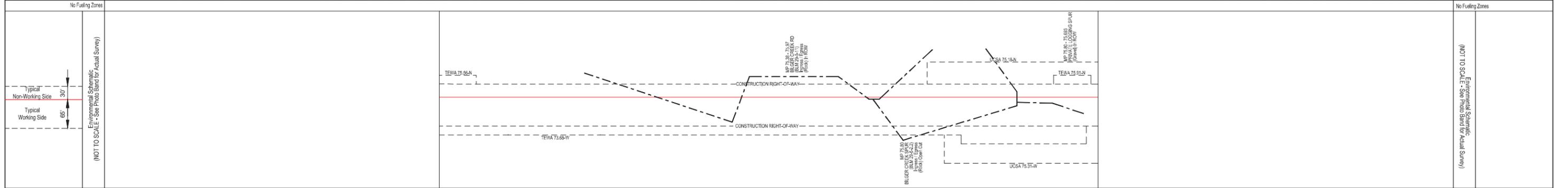
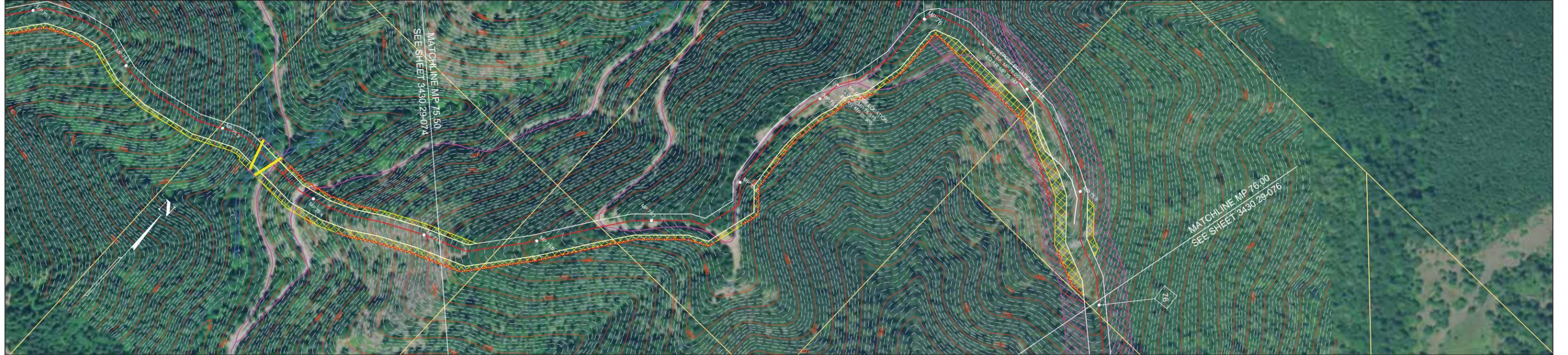
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 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

Pacific Connector GAS PIPELINE

Legal Location	SEC 2, T29S, R5W				Legal Location
Ownership / Management	DO-355.501	DO-355.505	DO-355.509	DO-355.500	Ownership / Management
Jurisdiction	BLM - ROUSELURE DISTRICT		DOUGLAS COUNTY		
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.		
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

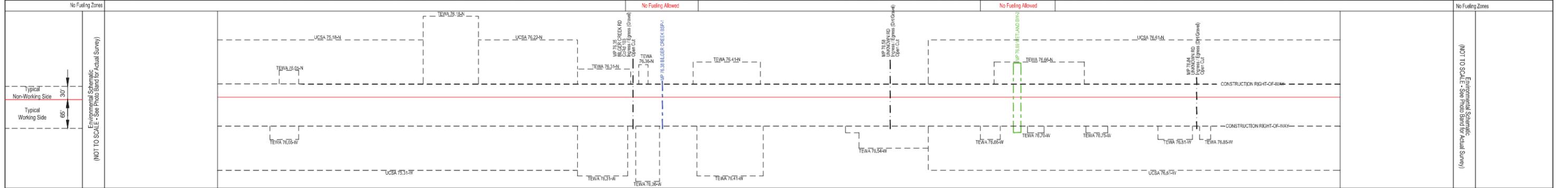
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #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	DO-356.000	DO-356.000	DO-356.000	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)									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.
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 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 to 400 FEET

PUBLIC

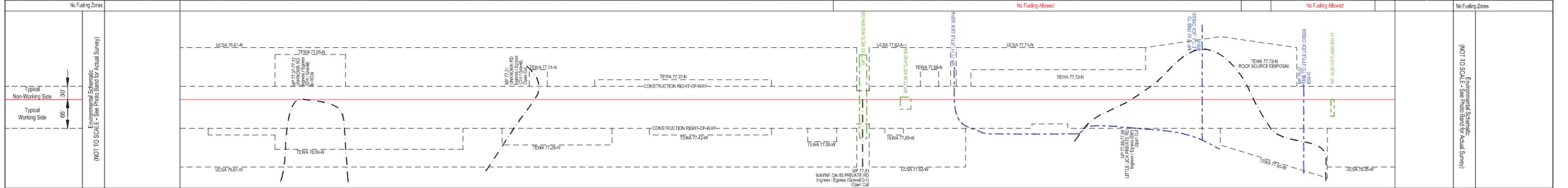
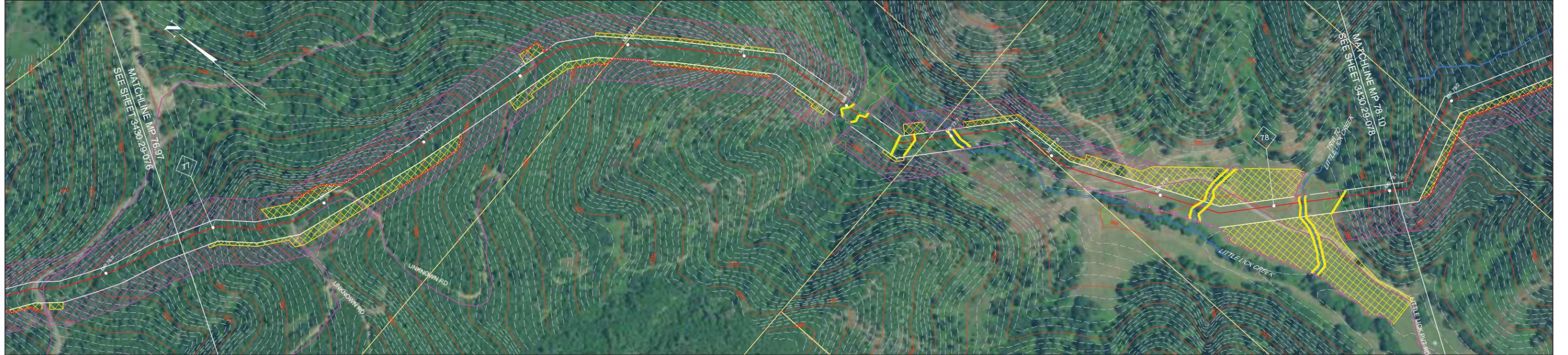
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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 Survey Status (wetlands as of July 2017)				Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)

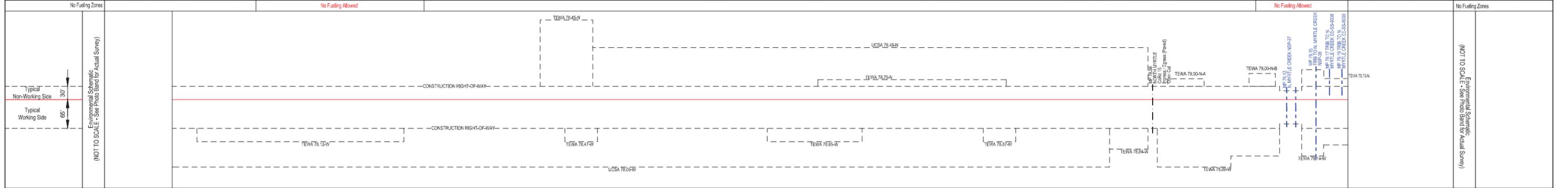
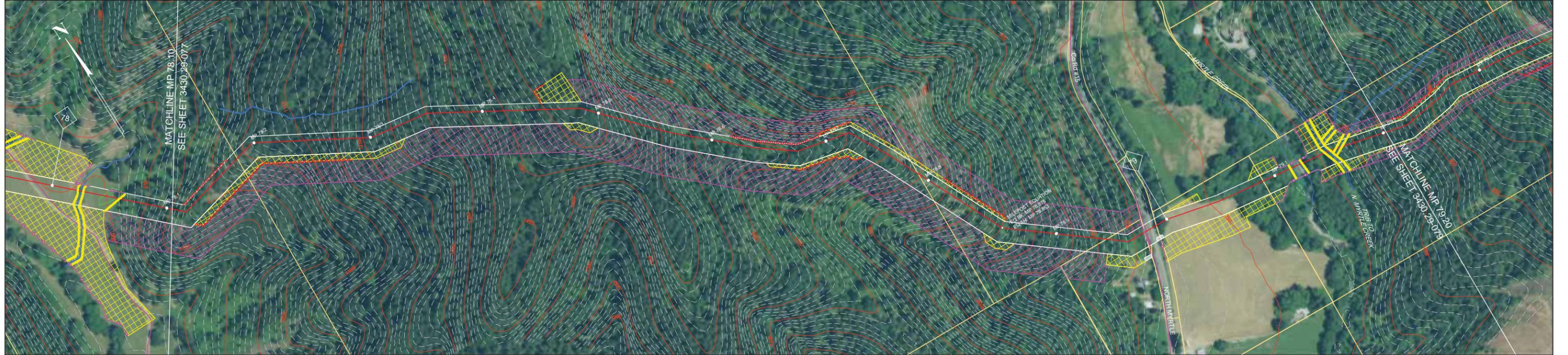


Notes:	Legend:	BLM Landuse - 2016 RMP:	Revisions:	Pacific Connector Gas Pipeline Project:																		
<p>1: In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.</p> <p>2: In wetlands limit pulling of tree 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.</p> <p>3: In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.</p> <p>4: 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.</p> <p>5: 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.</p> <p>6: Right-of-way grading or vegetation clearing will occur as necessary.</p> <p>7: Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.</p> <p>8: Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.</p>	<p>Proposed Pipeline</p> <p>Construction Right-of-Way</p> <ul style="list-style-type: none"> Temporary Construction Right-of-Way (Shown white on photography) Temporary Extra Work Area Uncleared Storage Area Pipe Yard Aboveground Facility Rock Source/Disposal <p>Other Features:</p> <ul style="list-style-type: none"> Tax Parcel Boundaries Wetland Stream Access Road Permanent / Temporary Access Road (PAR / TAR) Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions. Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC) Silt Fence (SF) Safety Fence (SAF) Slash Filter Window (SFV) Construction Entrance Pad (CE) 	<p>BLM LANDUSE - 2016 RMP</p> <ul style="list-style-type: none"> 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 - Estuaries Management Area 6 - Harvest Land Base (Unrestricted Timber Area) 7 - Harvest Land Base (Low Intensity Timber Area) 8 - Harvest Land Base (Moderate Intensity Timber Area) <p>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</p> <ul style="list-style-type: none"> 1-Very Low 2-Low 3-Moderate 4-High 5-Very High 	<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>	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>PACIFIC CONNECTOR GAS PIPELINE PROJECT</p> <p>PACIFIC CONNECTOR GAS PIPELINE, LP ENVIRONMENTAL ALIGNMENT</p> <p>SPREAD #4</p> <p>MP 76.97 TO 78.10</p> <p>DOUGLAS COUNTY, OREGON</p> <p>DRAWN BY: EE DATE: AUG-2019 ISSUED FOR BID: 24x36 SCALE: 1 Inch = 200 Feet</p> <p>CHECKED BY: EE DATE: AUG-2019 ISSUED FOR CONSTRUCTION: 11x17 SCALE: 1 Inch = 450 Feet</p> <p>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 Certificate Application	EE	EE																	
	Aug-2019	EE	Issued for FERC DEIS Response	EE	EE																	

PUBLIC



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						Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)				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)



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
- 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 to 400 FEET

PUBLIC

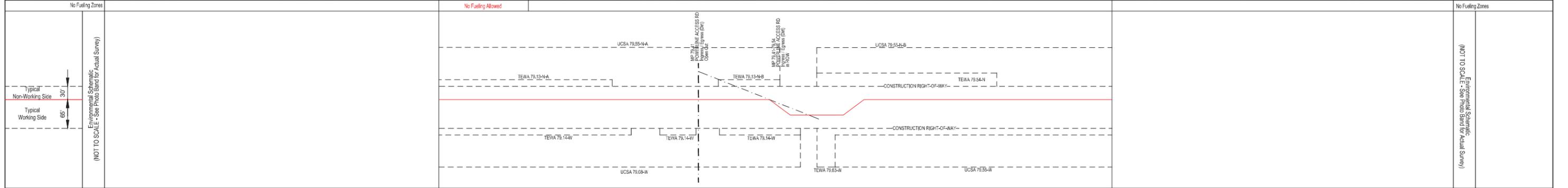
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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		BLM - ROSEBURG DISTRICT	Jurisdiction
Federal Land Use Allocation			6	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	NONE			Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	3 2 3 2			Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)
	ACCESS DENIED (CULTURAL)			



PUBLIC

- NOTES:**
- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
 - In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
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LEGEND

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

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

BLM LANDUSE - 2016 RMP		REVISIONS			
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-Occasional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Occasional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estabulo Management Area					
6 - Harvest Land Base (Unser-Appo Timber Area)					
7 - Harvest Land Base (Low Intensity Timber Area)					
8 - Harvest Land Base (Moderate Intensity Timber Area)					

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

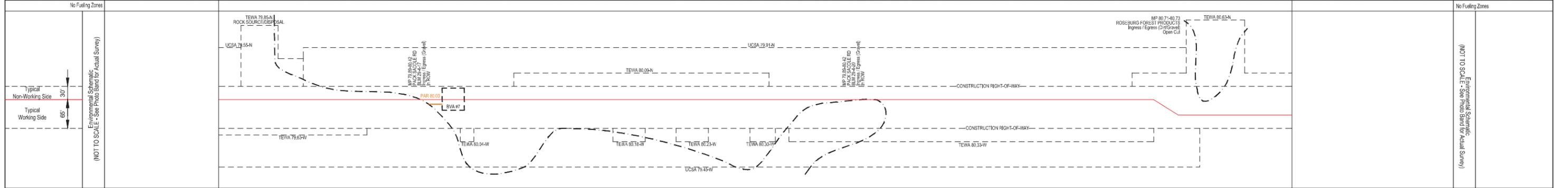
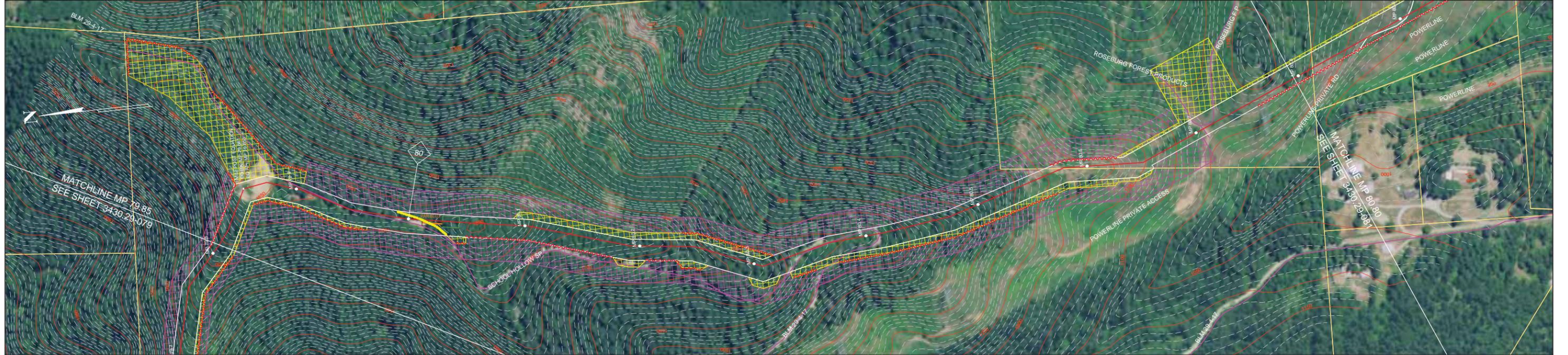
1-Very Low
2-Low
3-Moderate
4-High
5-Very High

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

SPREAD #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

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:

- 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				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

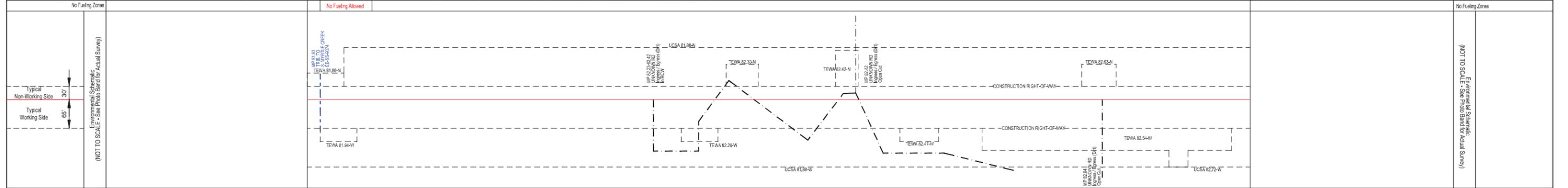
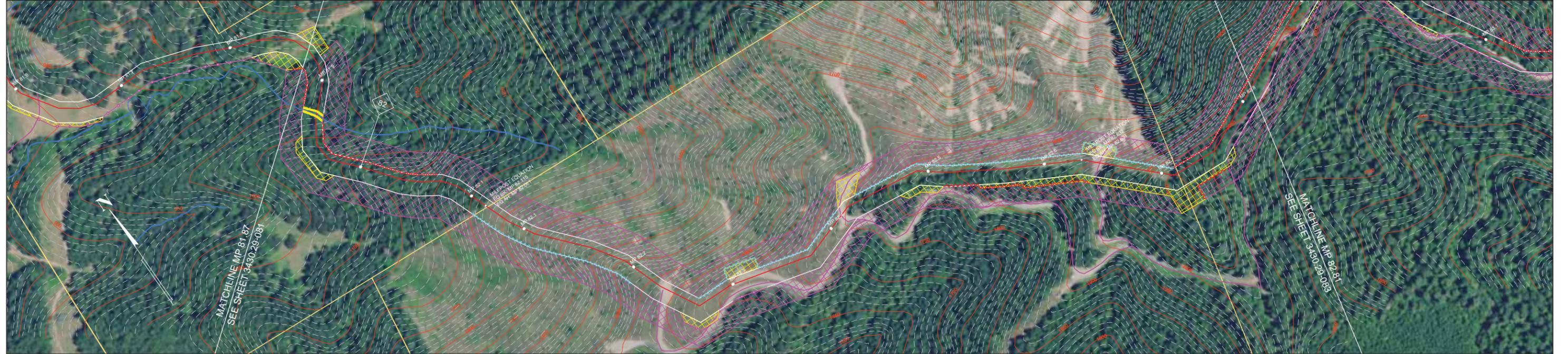
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 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 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 Landuse 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)		Survey Status (wetlands as of July 2017)



NOTES:

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

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.
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- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
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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
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REVISIONS

200 0 200 400 FEET

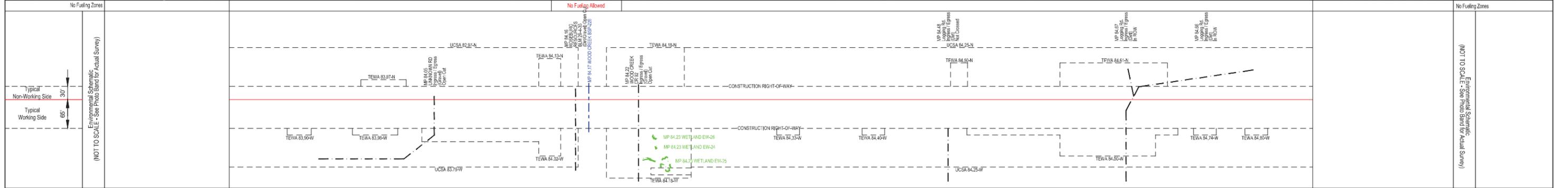
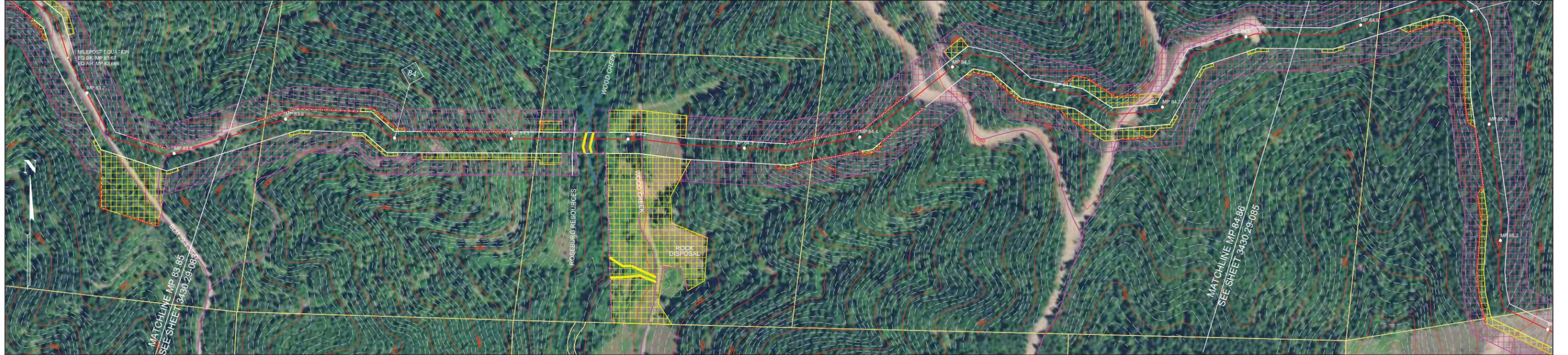
PUBLIC

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

Legal Location	SEC 26, T29S, R4W				Legal Location
Ownership / Management	DO-389.000	DO-392.000	DO-392.000	DO-393.000	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	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)



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

NOTES:

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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- 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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- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

BLM LANDUSE - 2016 RMP		REVISIONS																
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION															
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	Issued for FERC Certificate Application															
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response															
3b - Late-Successional Reserve (Moist Forest)																		
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4b - Riparian Reserve (Moist Forest)																		
5 - Establisement Management Area																		
6 - Harvest Land Base (Unsero-Aged Timber Area)																		
7 - Harvest Land Base (Low Intensity Timber Area)																		
8 - Harvest Land Base (Moderate Intensity Timber Area)																		
FEDERAL LANDS SOIL RISK SENSITIVITY RANK		<table border="1"> <tr> <td>1-Very Low</td> <td>CHK</td> <td>APP</td> </tr> <tr> <td>2-Low</td> <td>EE</td> <td>EE</td> </tr> <tr> <td>3-Moderate</td> <td></td> <td></td> </tr> <tr> <td>4-High</td> <td></td> <td></td> </tr> <tr> <td>5-Very High</td> <td></td> <td></td> </tr> </table>		1-Very Low	CHK	APP	2-Low	EE	EE	3-Moderate			4-High			5-Very High		
1-Very Low	CHK	APP																
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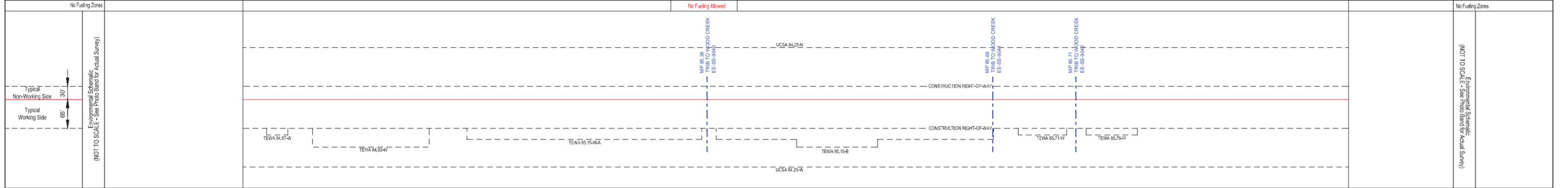
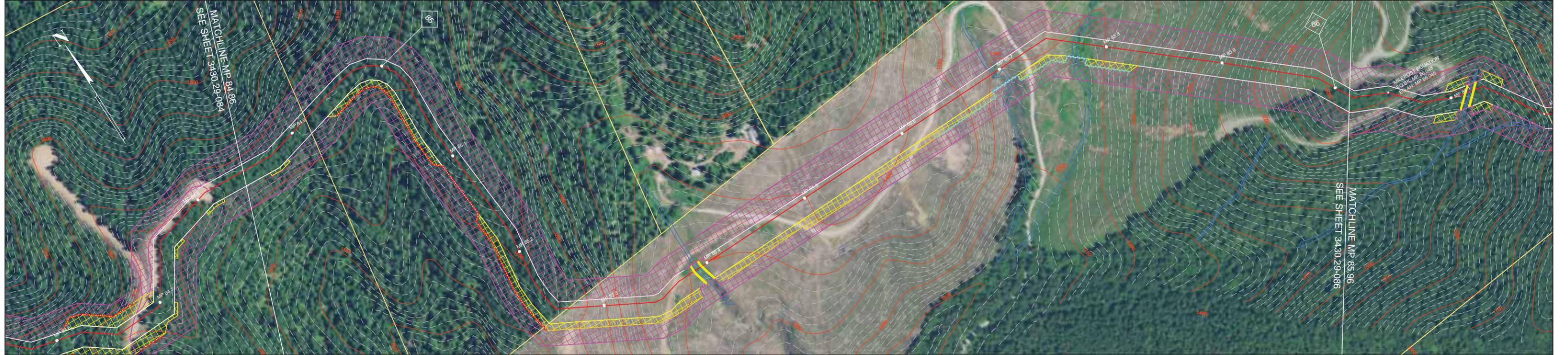
PUBLIC

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 Landuse 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.
 - Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation.
 - If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

BLM LANDUSE - 2016 RMP

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

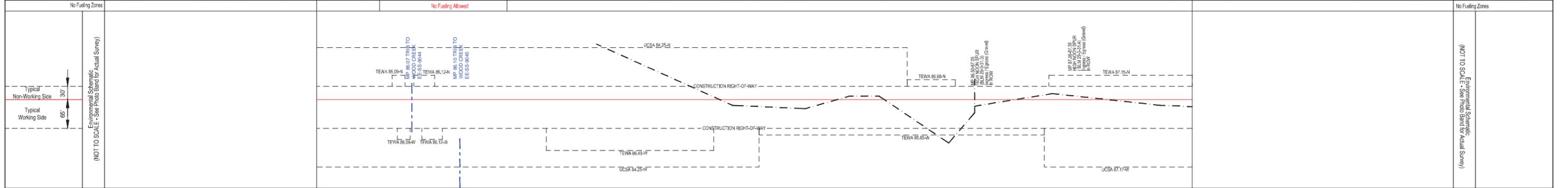
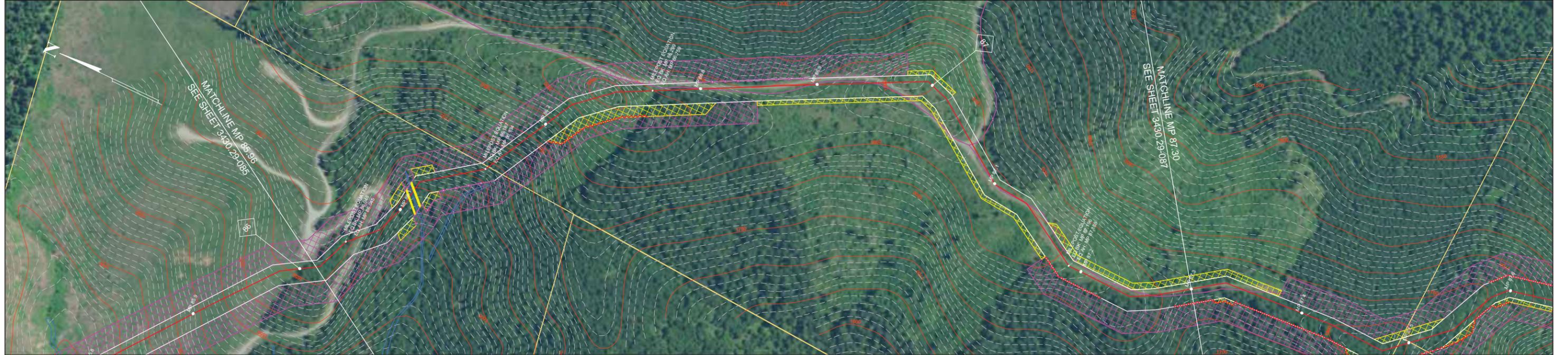
PUBLIC

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			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) 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.
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- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

BLM LANDUSE - 2016 RMP				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

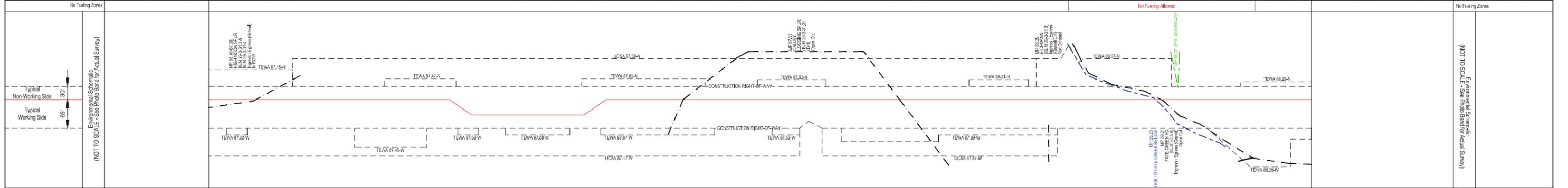
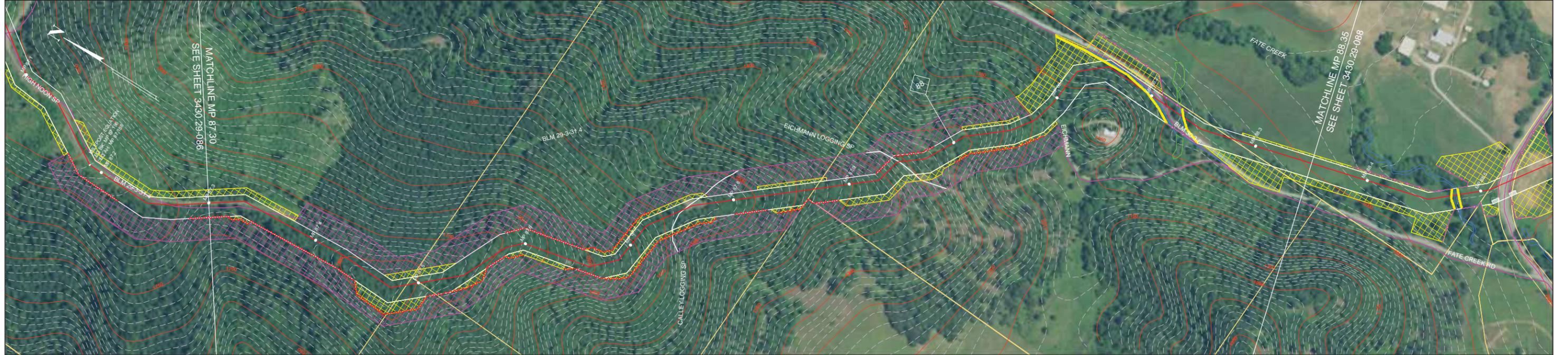
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #4
MP 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 31, T29S, R3W	SEC 6, T30S, R3W	Legal Location
Ownership / Management	DC-402.000	DC-403.000	DC-406.000
Jurisdiction	BLM - ROSEBURG DISTRICT	DOUGLAS COUNTY	Jurisdiction
Federal Landuse Allocation	6		Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)			DEC - JUN
Wetland / Waterbody			Trib to Fate Creek BW-239
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 / 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.
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 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

PUBLIC

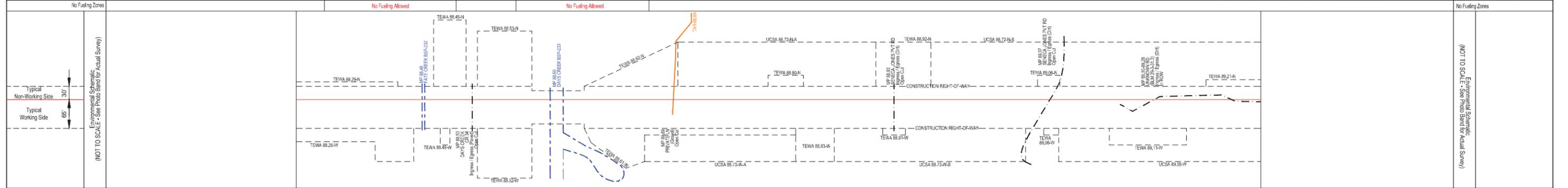
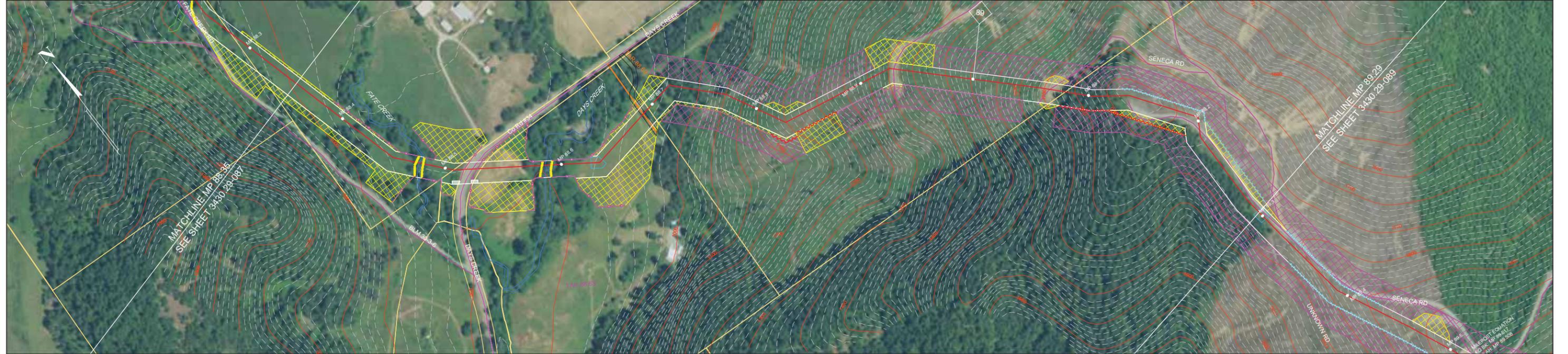
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 87.30 TO 88.35
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: 3430.29-087	SHEET 87 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 6, T30S, R3W	SEC 5, T30S, R3W	SEC 8, T30S, R3W	Legal Location
Ownership / Management	DC-408.000 FATE CREEK DC-410.100WC DC-408.000 DC-410.000 DAYS CREEK RD CNTY RD 34 DC-408.000RD DC-10.000 DAYS CREEK DC-410.200WC DC-410.000	DC-410.000	DC-412.000	Ownership / Management
Jurisdiction	DOUGLAS COUNTY			Jurisdiction
Federal Landuse Allocation	DEC - JUN			Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	Fate Creek Days Creek			Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Dry Open Cut / July 1 - Sept. 15 Dry Open Cut / July 1 - Sept. 15			Wetland / Waterbody
Crossing Method / Instream Construction Window	Biological Seasonal Construction Window (as of September 2017)			Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)	Topsoil Salvage / Federal Lands Soil Risk			Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	Hydrostatic Test Water Release / Aboveground Facilities / Residential			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)			Survey Status (wetlands as of July 2017)



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

- Proposed Pipeline
- Construction Right-of-Way
 - Temporary Construction Right-of-Way
 - 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 (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

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

Scale: 200 0 200 400 FEET

PUBLIC

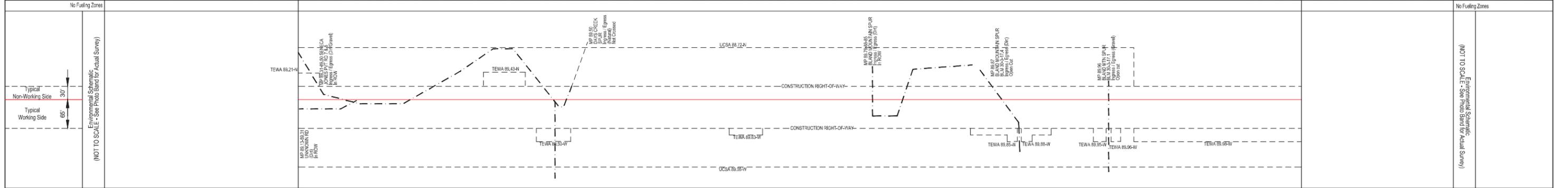
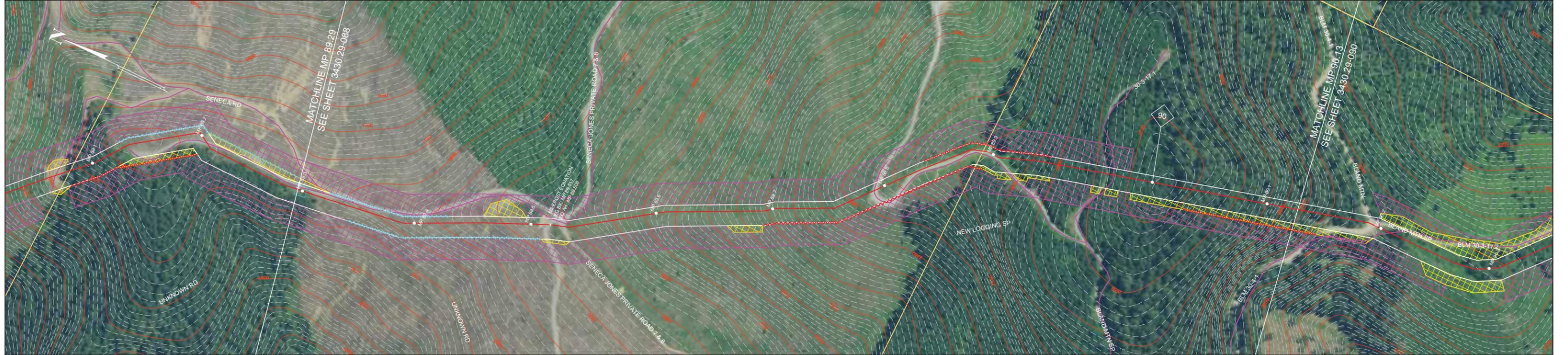
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 88.35 TO 89.29
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: 3430-29-088	SHEET 88 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:**
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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)
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- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)

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

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	NO.	DATE
2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE	1	Aug-2019
			Issued for FERC DEIS Response				

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 0 200 400 FEET

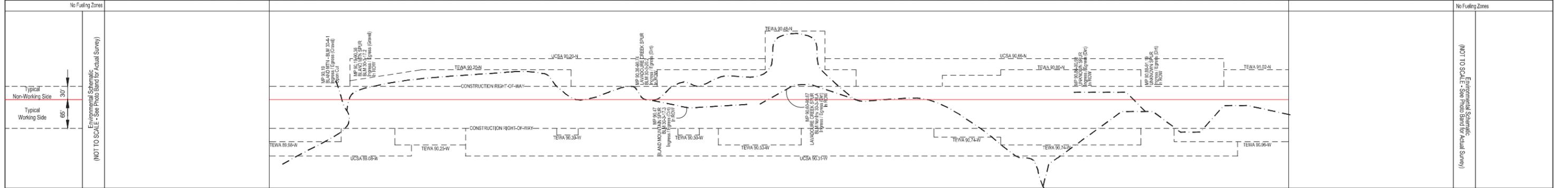
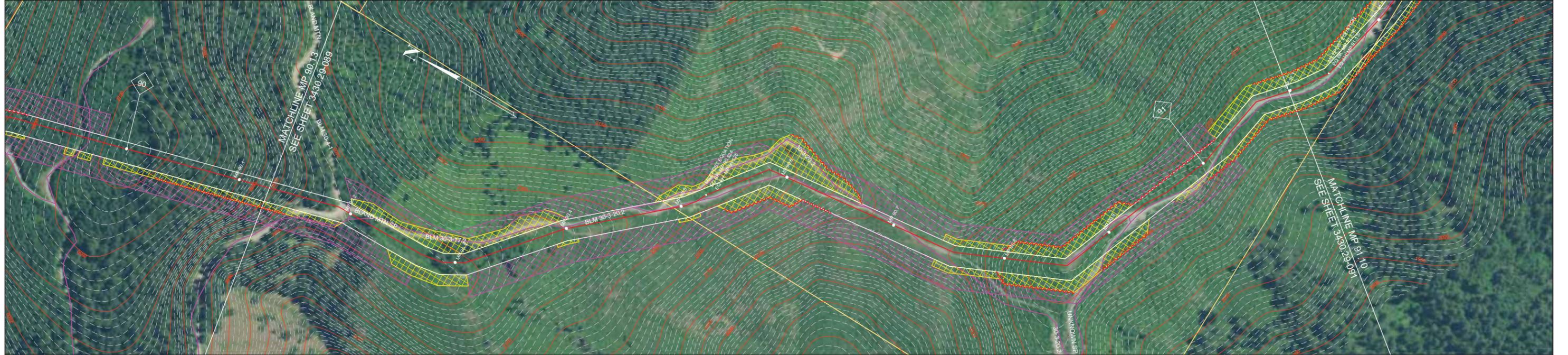
PUBLIC

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

SPREAD #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.
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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
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- 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 - Establisment Management Area						
6 - Harvest Land Base (Unser-Open 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

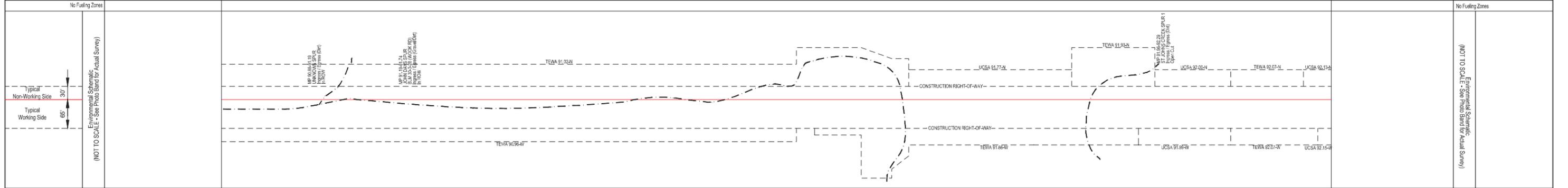
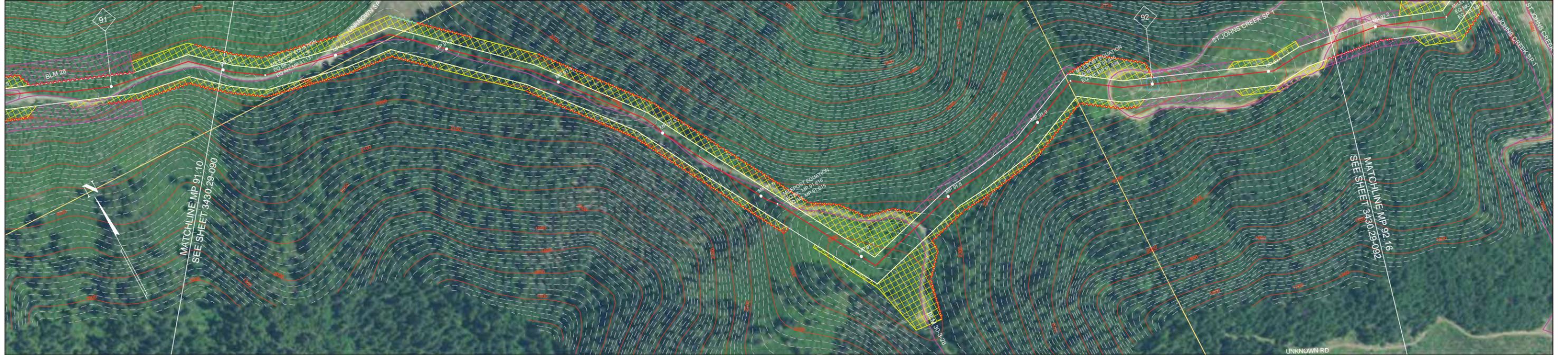
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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 (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.	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

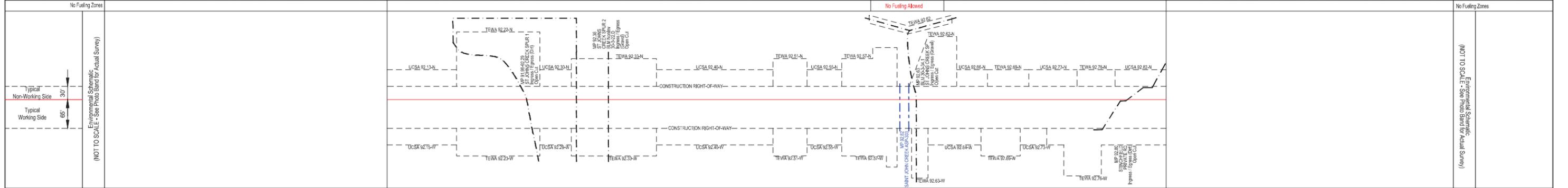
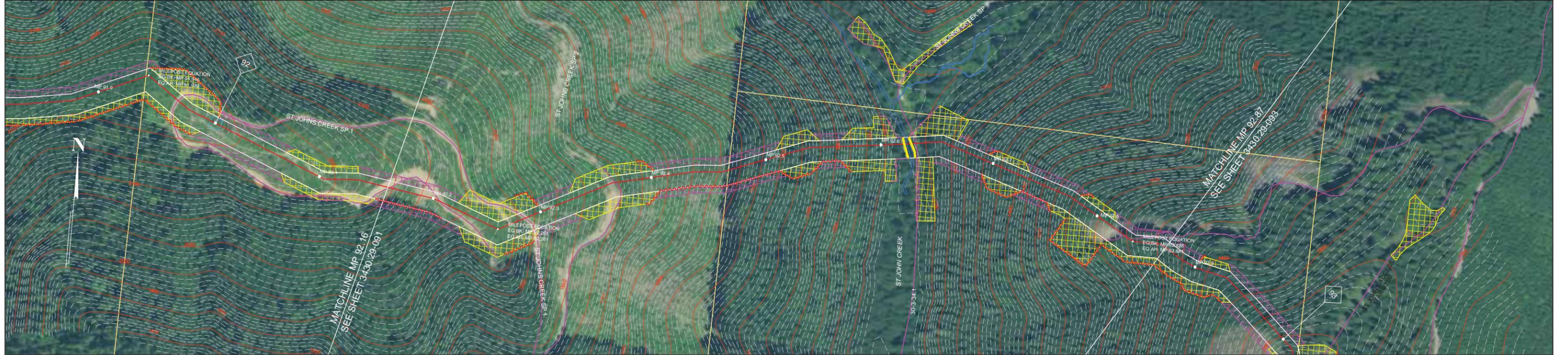
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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 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	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.
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LEGEND

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

REVISIONS

200 0 200 400 FEET

PUBLIC

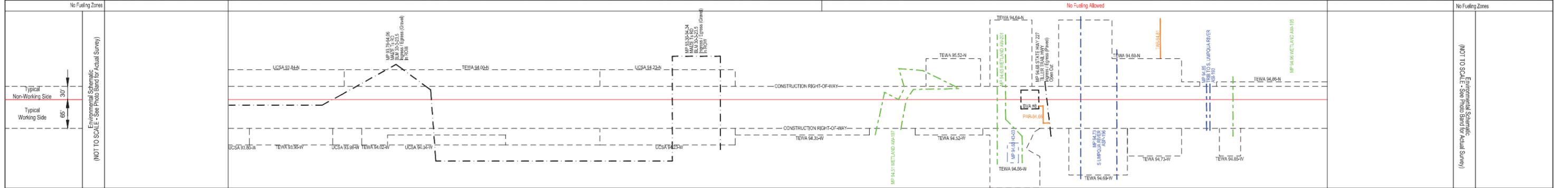
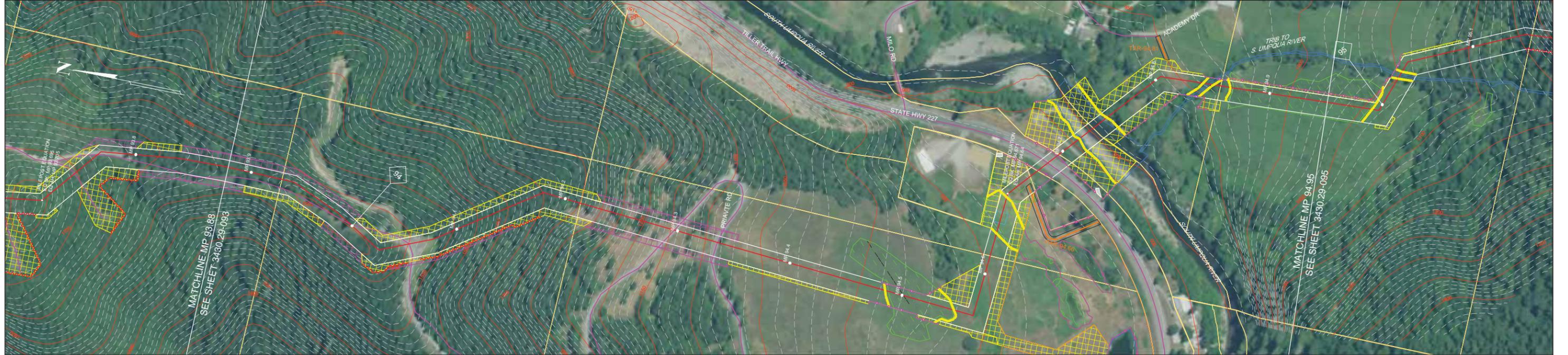
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #4
MP 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 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:

- In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.
- In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way.
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- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way
- 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
2	Sept-2017 Aug-2019	EE EE	Issued for FERC Certificate Application Issued for FERC DEIS Response

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

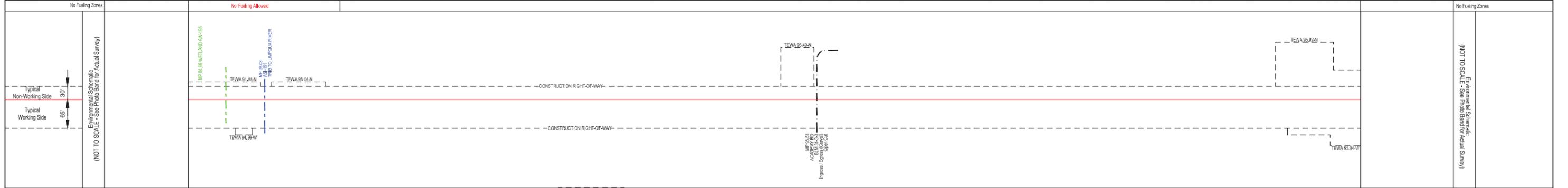
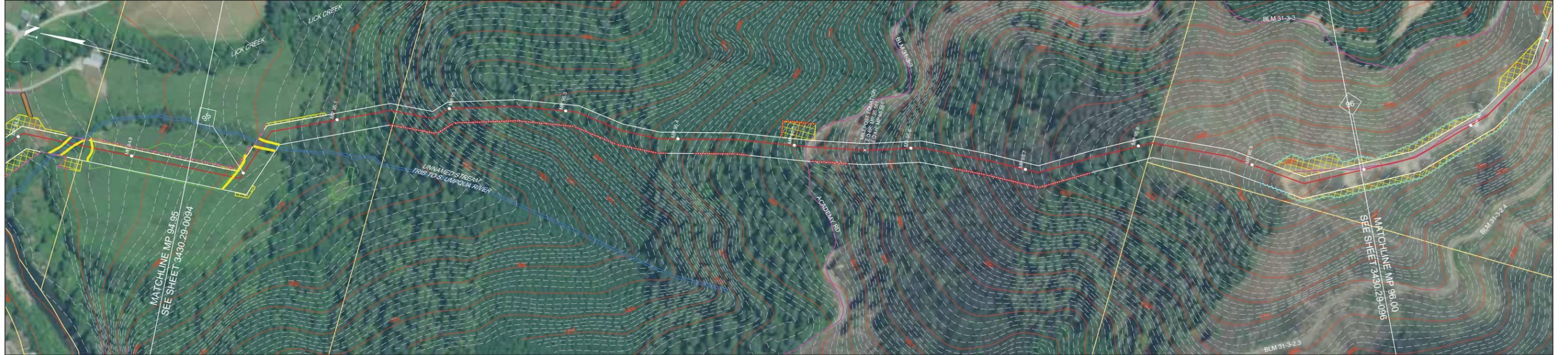
PUBLIC

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

**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

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.
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LEGEND

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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

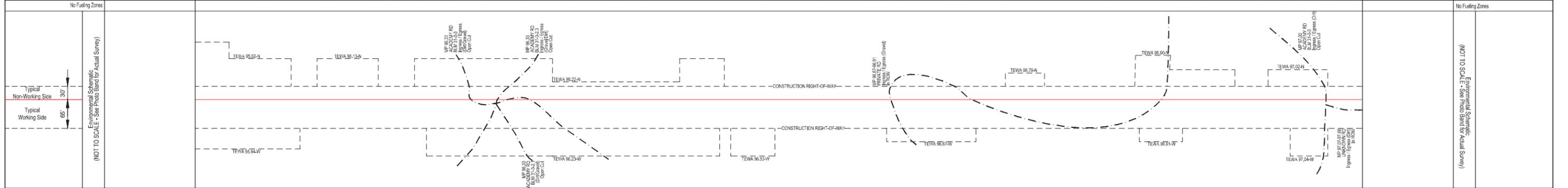
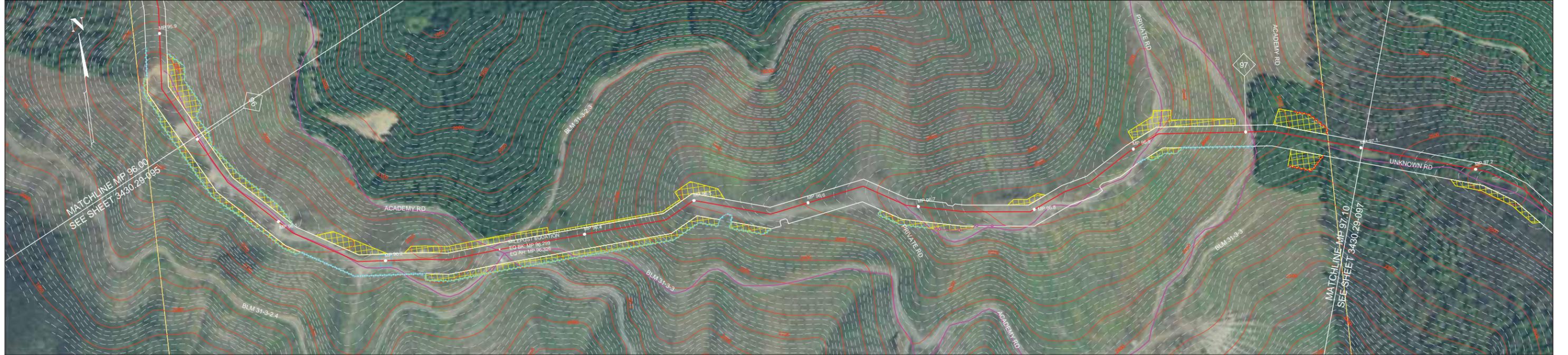
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #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.
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LEGEND

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

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

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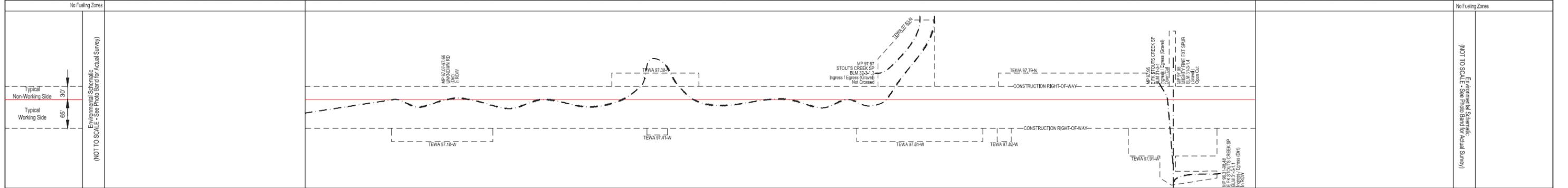
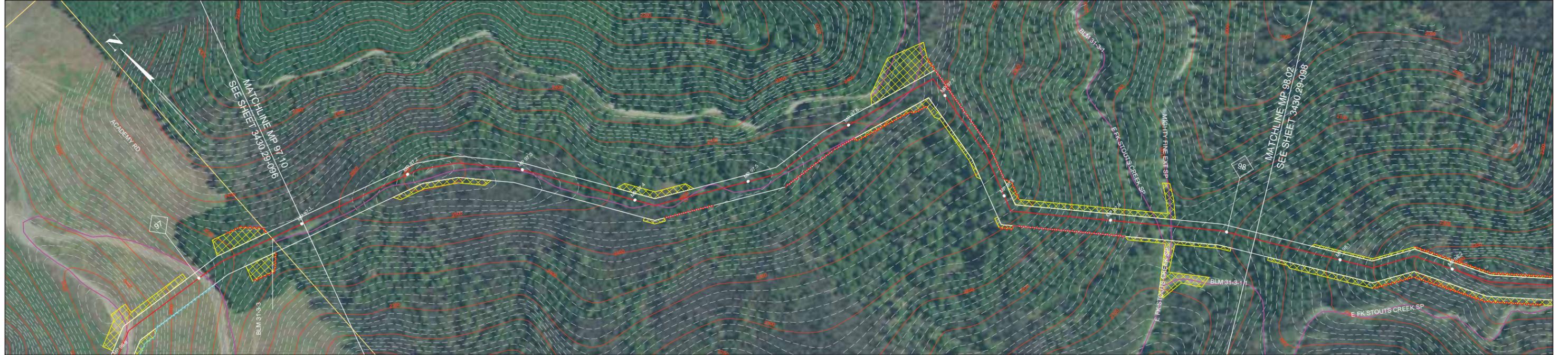
PUBLIC

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

SPREAD #5
MP 96.00 TO 97.10
DOUGLAS COUNTY, OREGON

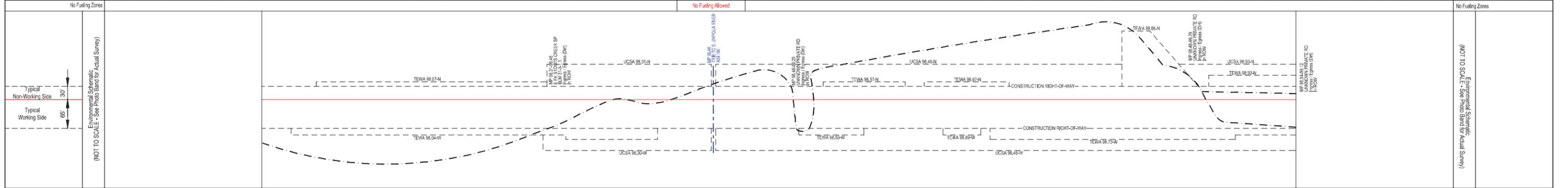
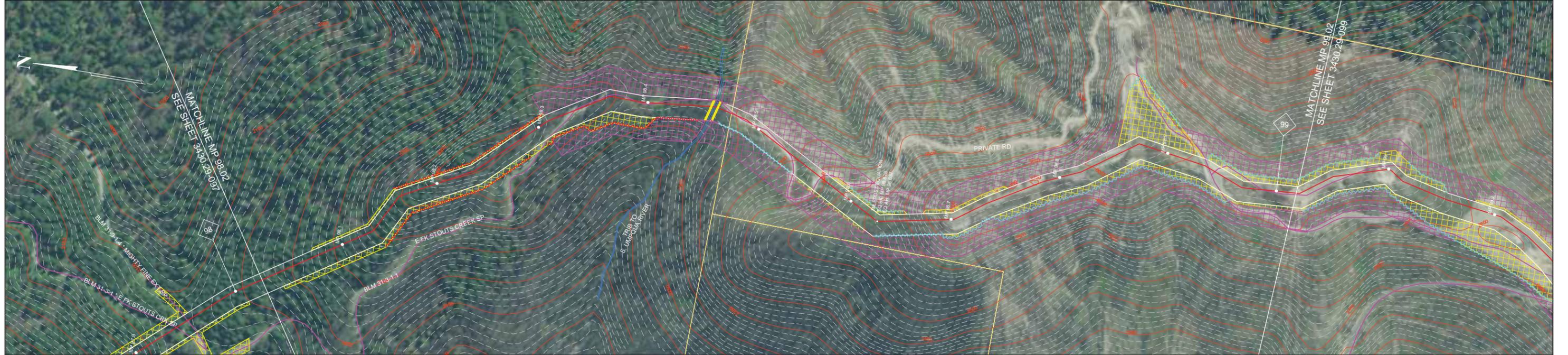
DRAWN BY: EE	DATE: AUG-2019	ISSUED FOR BID:	24x36 SCALE: 1 Inch = 200 Feet
CHECKED BY: EE	DATE: AUG-2019	ISSUED FOR CONSTRUCTION:	11x17 SCALE: 1 Inch = 450 Feet
APPROVED BY: EE	DATE: AUG-2019	DRAWING NUMBER: 3430-29-096	SHEET 96 OF 226

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)											4a	3a
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	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>NOTES:</p> <ol style="list-style-type: none"> In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal. In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way. In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present. Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation. If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut. Right-of-way grading or vegetation clearing will occur as necessary. Seed mixes in the ECRP or according to landowner agreements or as directed by E.I. Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings. 	<p>LEGEND</p> <ul style="list-style-type: none"> 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 	<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"> 1-Very Low 2-Low 3-Moderate 4-High 5-Very High 	NO.	DATE	BY	DESCRIPTION	CHK.	APP.	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE		Aug-2019	EE	Issued for FERC DEIS Response	EE	EE	<p>PUBLIC</p> <p>PACIFIC CONNECTOR GAS PIPELINE PROJECT PACIFIC CONNECTOR GAS PIPELINE, LP ENVIRONMENTAL ALIGNMENT</p> <p>SPREAD #5 MP 97.10 TO 98.02 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: 3430-29-097 SHEET 97 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 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	Jurisdiction
Federal Land Use Allocation	3a	4a Riparian Reserve	Federal Land Use Allocation
Areas of High Groundwater (Potential Trench Dewatering)		Trib to S Umpqua River	Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody		Dry Open-Cut / July 1 - 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	2/3	1/2	Topsoil Salvage / Federal Lands Soil Risk
Hydrostatic Test Water Release / Aboveground Facilities / Residential			Hydrostatic Test Water Release / Aboveground Facilities / Residential
Survey Status (wetlands as of July 2017)			Survey Status (wetlands as of July 2017)



NOTES:

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

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way
- 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	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 (Unsero-Aged Timber Area)					
7 - Harvest Land Base (Low Intensity Timber Area)					
8 - Harvest Land Base (Moderate Intensity Timber Area)					

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

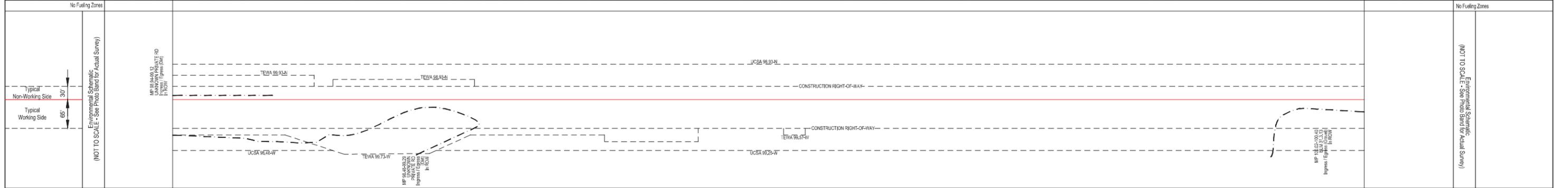
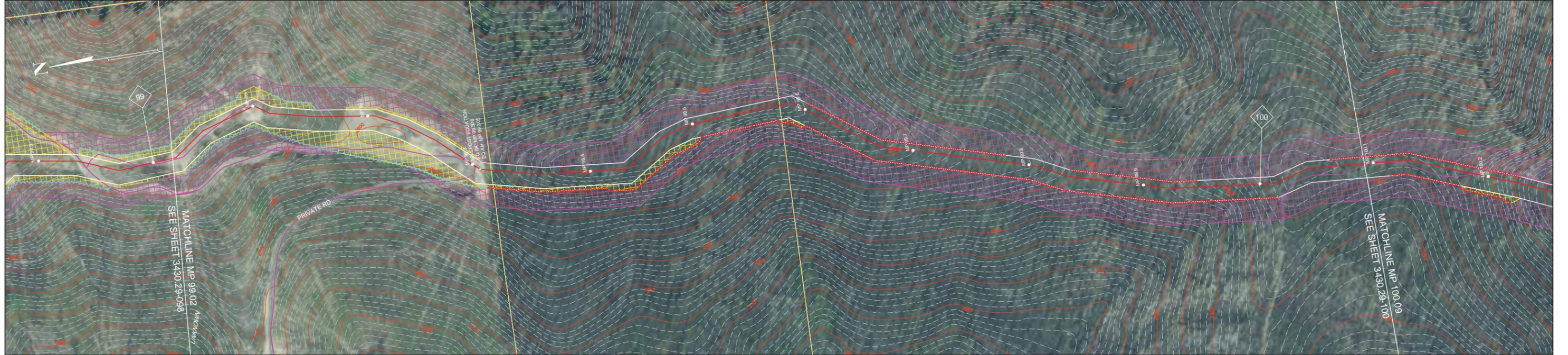
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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

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

BLM LANDUSE - 2016 RMP		REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.
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

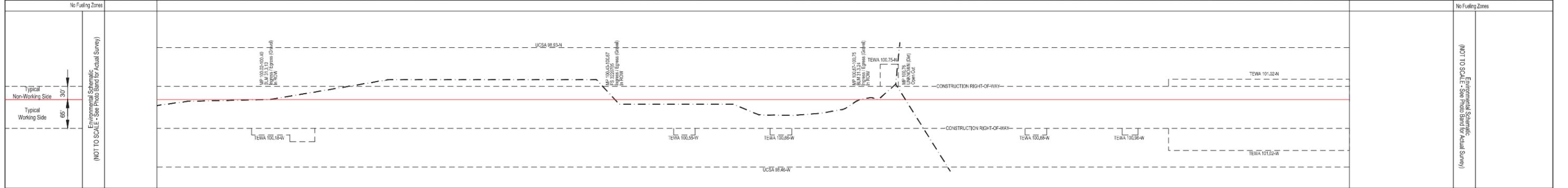
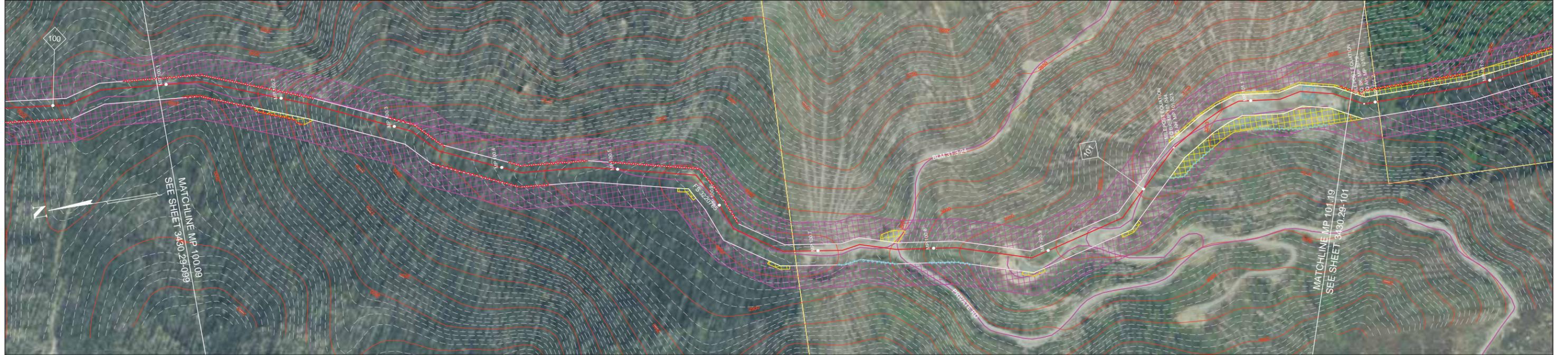
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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		DOUGLAS COUNTY				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)									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 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.
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- Right-of-way grading or vegetation clearing will occur as necessary.
- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (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 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

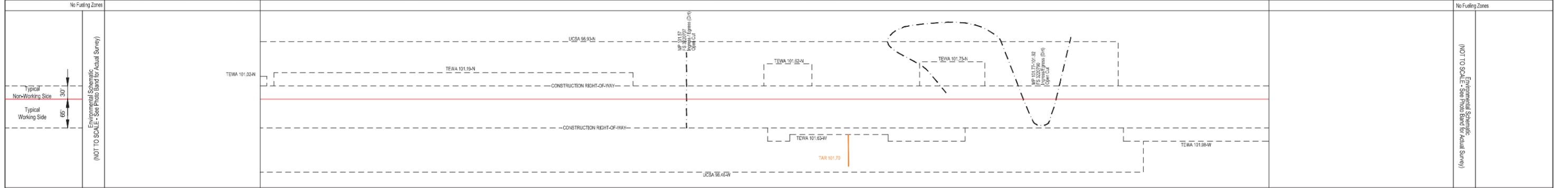
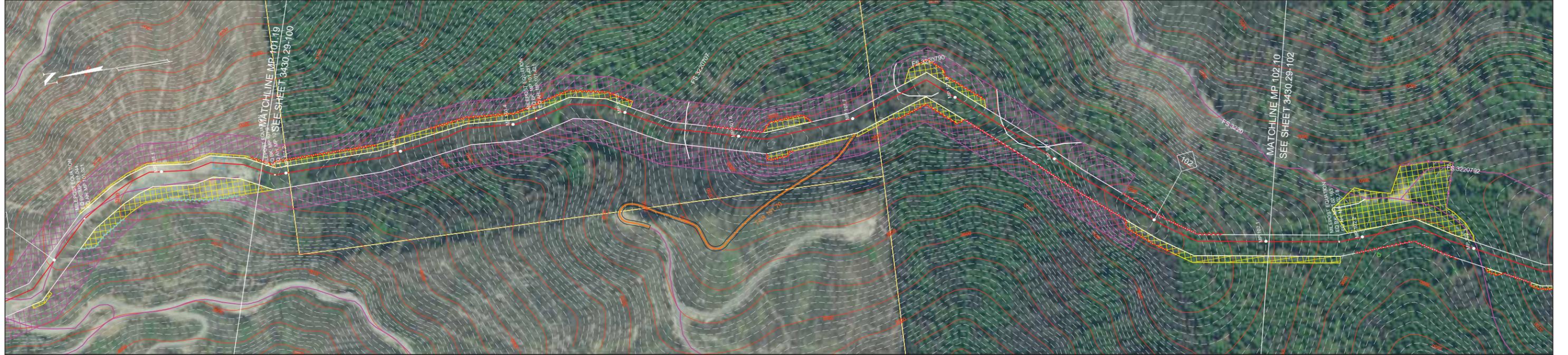
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5
MP 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

Pacific Connector
GAS PIPELINE

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.
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- Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
- Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

200 0 200 400 FEET

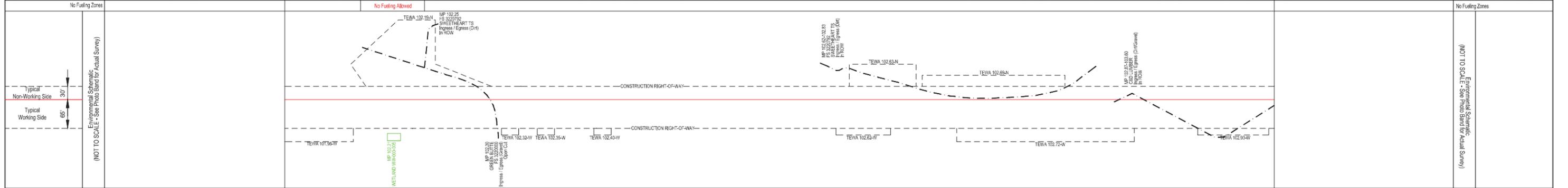
PUBLIC

**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

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			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.
- 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
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- 4-High
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Scale: 200 0 200 400 FEET

PUBLIC

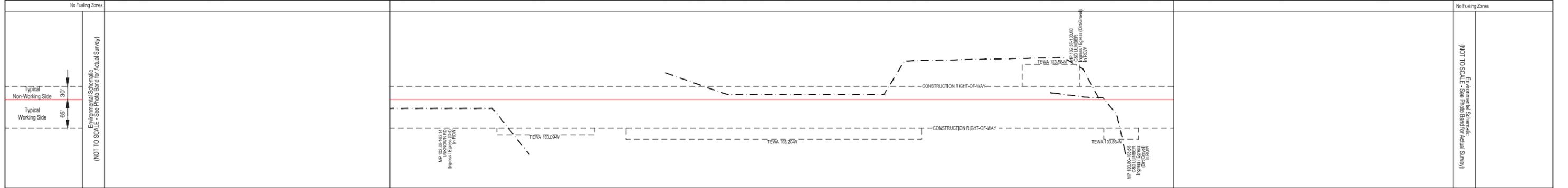
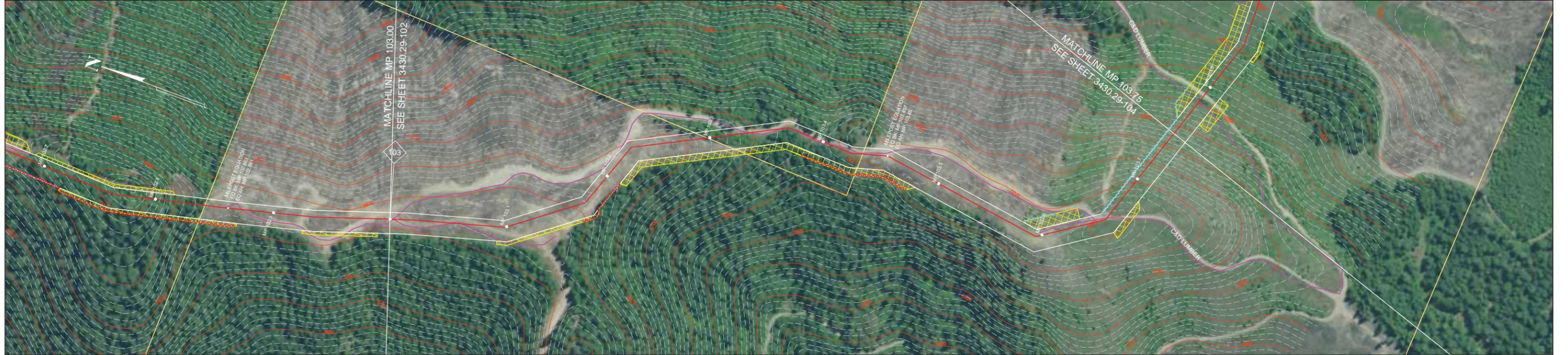
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**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)

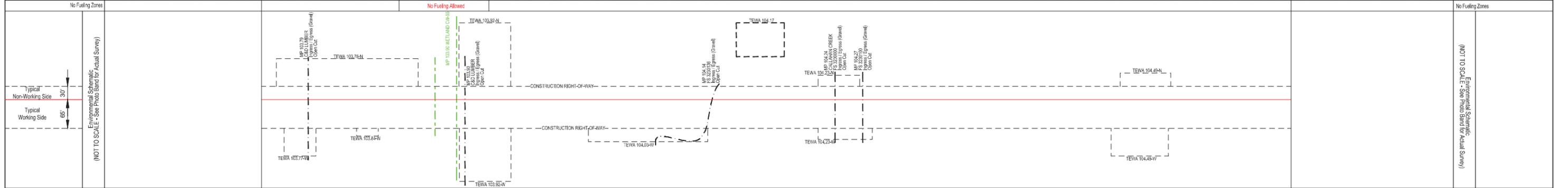
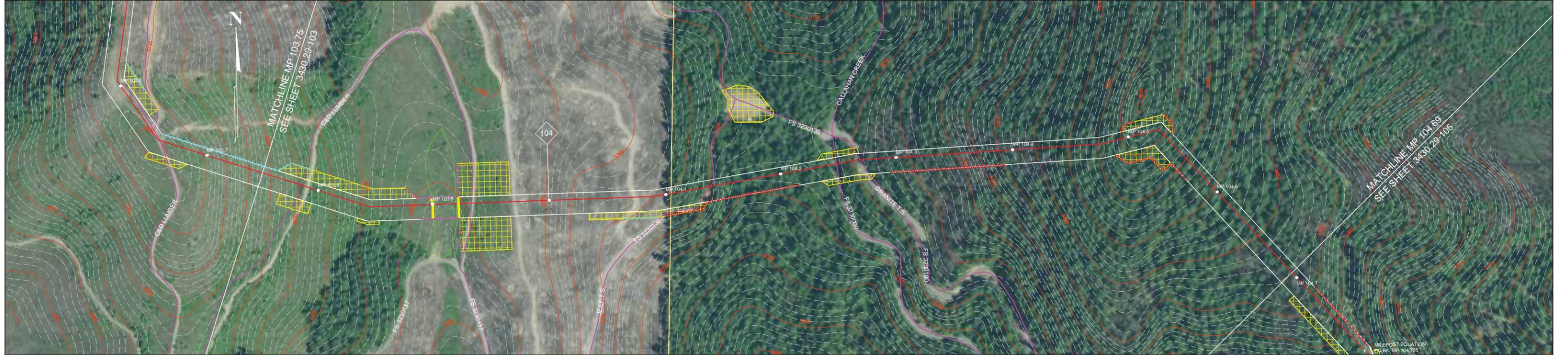


<p>NOTES:</p> <ol style="list-style-type: none"> In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal. In wetlands limit pulling of tree stumps and grading activities to directly over the trench line. Do not grade or remove stumps or root systems from the rest of the construction right-of-way. In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present. Topsoil will be stripped from the trench line and spoil storage area only in croplands, hayfields, pastures and residential areas. Topsoil may be imported in residential areas as necessary to assure adequate reclamation. If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut. Right-of-way grading or vegetation clearing will occur as necessary. Seed mixes in the ECRP or according to landowner agreements or as directed by E.I. Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings. 	<p>LEGEND</p> <p>Proposed Pipeline</p> <p>Construction Right-of-Way</p> <ul style="list-style-type: none"> Temporary Construction Right-of-Way (Shown white on photography) Temporary Extra Work Area Uncleared Storage Area Pipe Yard Aboveground Facility Rock Source/Disposal <p>Tax Parcel Boundaries</p> <p>Wetland</p> <p>Stream</p> <p>Access Road</p> <p>Permanent / Temporary Access Road (PAR / TAR)</p> <p>Note: BMP type and placement to be determined by Environmental Inspector based on site-specific conditions.</p> <ul style="list-style-type: none"> Drivable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC) Silt Fence (SF) Safety Fence (SAF) Slash Filter Window (SFV) Construction Entrance Pad (CE) 	<p>BLM LANDUSE - 2016 RMP</p> <ul style="list-style-type: none"> 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 - Estuaries Management Area 6 - Harvest Land Base (Shore-Aged Timber Area) 7 - Harvest Land Base (Low Intensity Timber Area) 8 - Harvest Land Base (Moderate Intensity Timber Area) <p>FEDERAL LANDS SOIL RISK SENSITIVITY RANK</p> <ul style="list-style-type: none"> 1-Very Low 2-Low 3-Moderate 4-High 5-Very High 	<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 Aug-2019</td> <td>EE</td> <td>Issued for FERC Certificate Application Issued for FERC DEIS Response</td> <td>EE</td> <td>EE</td> </tr> </tbody> </table>	NO.	DATE	BY	DESCRIPTION	CHK.	APP.	2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE	<p>PACIFIC CONNECTOR GAS PIPELINE PROJECT PACIFIC CONNECTOR GAS PIPELINE, LP ENVIRONMENTAL ALIGNMENT</p> <p>SPREAD #5 MP 103.00 TO 103.75 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: 3430.29-103 SHEET 103 OF 226</p>
		NO.	DATE	BY	DESCRIPTION	CHK.	APP.									
2	Sept-2017 Aug-2019	EE	Issued for FERC Certificate Application Issued for FERC DEIS Response	EE	EE											

PUBLIC



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.
- 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) (FB) (WC)
 - Silt Fence (SF)
 - Safety Fence (SAF)
 - Slash Filter Window (SFW)
 - Construction Entrance Pad (CE)

BLM LANDUSE - 2016 RMP		REVISIONS			
2a - District Designated Reserve (No Harvest)	NO.	DATE	DESCRIPTION	CHK.	APP.
2b - District Designated Reserve (Non-Forest)	2	Sept-2017	Issued for FERC Certificate Application	EE	EE
3a - Late-Successional Reserve (Dry Forest)		Aug-2019	Issued for FERC DEIS Response	EE	EE
3b - Late-Successional Reserve (Moist Forest)					
4a - Riparian Reserve (Dry Forest)					
4b - Riparian Reserve (Moist Forest)					
5 - Estabulo Management Area					
6 - Harvest Land Base (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 to 400 FEET

PUBLIC

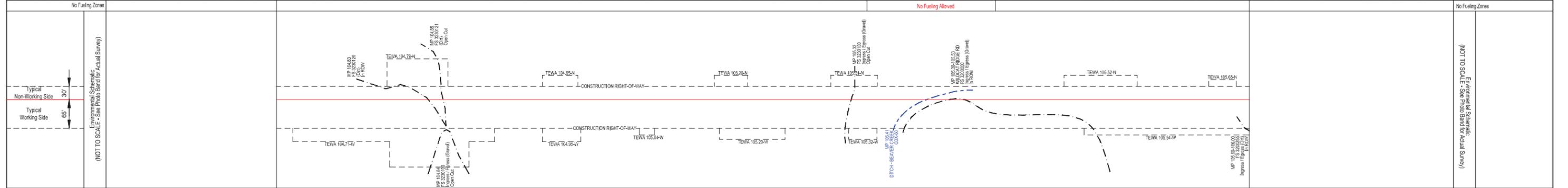
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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.
 - 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 (SFW)
 - 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

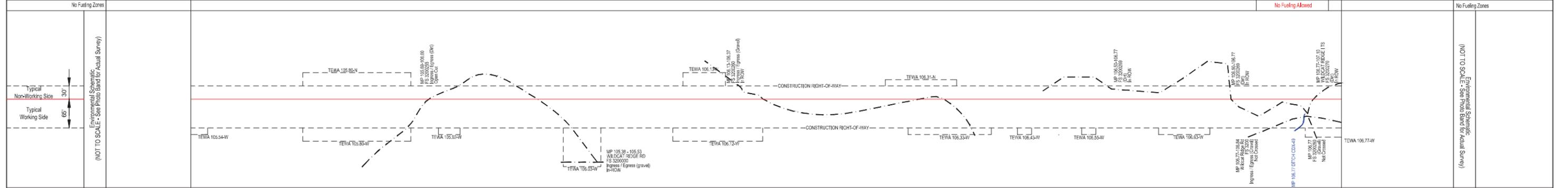
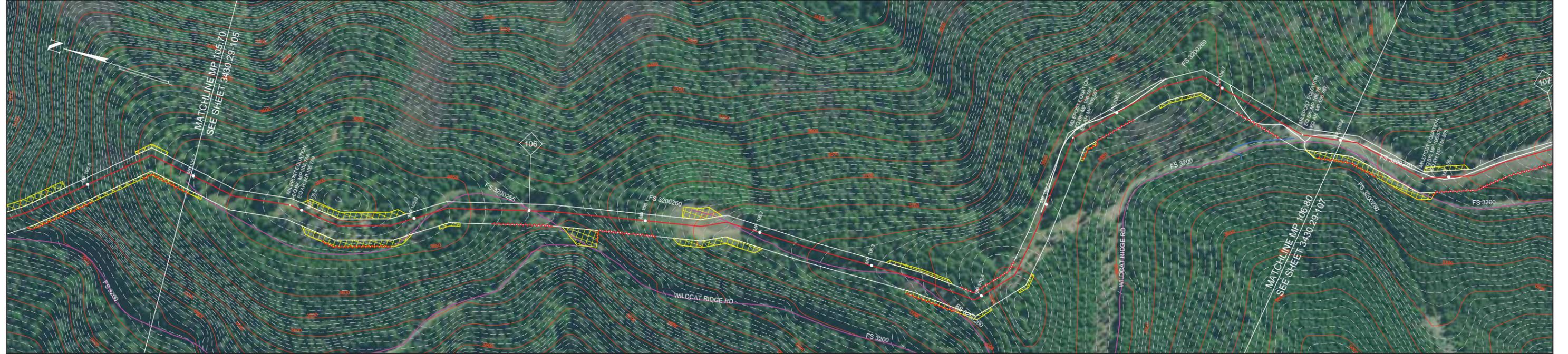
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #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)			DITCH		Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody			Dry Open-Cut / July 1 - 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	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)



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 (SFV)
- Construction Entrance Pad (CE)

Construction Right-of-Way

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

BLM LANDUSE - 2016 RMP

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

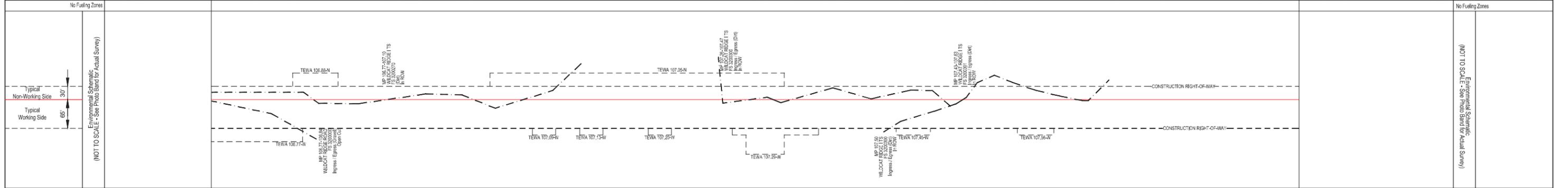
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5
MP 105.70 TO 106.80
DOUGLAS 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: 3430.29-106	SHEET 106 OF 226

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

BLM LANDUSE - 2016 RMP

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

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

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

Scale: 200 0 200 400 FEET

PUBLIC

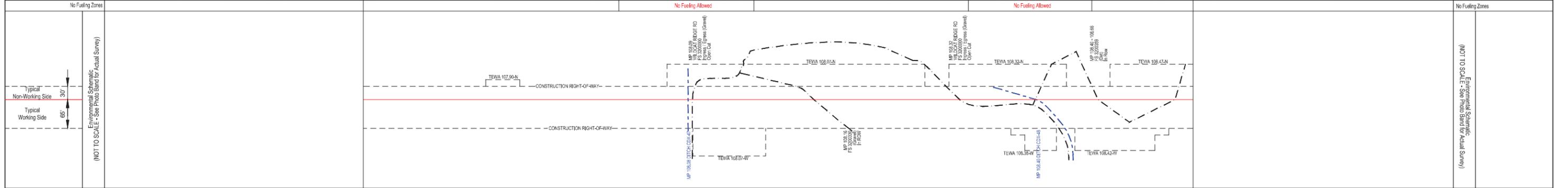
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #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.
 - If streams proposed to be open cut are flowing at the time of construction, they will be crossed using a dry open cut method (i.e., flume, dam & pump, etc.). If streams proposed to be dry open cut are not flowing at the time of construction, they will be open cut.
 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

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

BLM LANDUSE - 2016 RMP

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

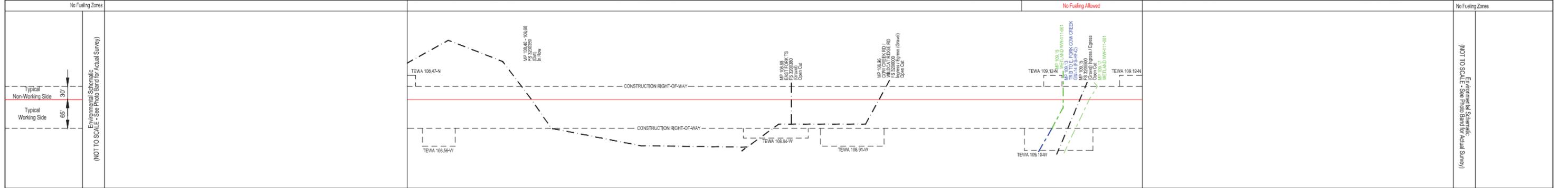
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

SPREAD #5
MP 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	UMPUQA 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		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.
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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 (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: 0, 200, 400 FEET

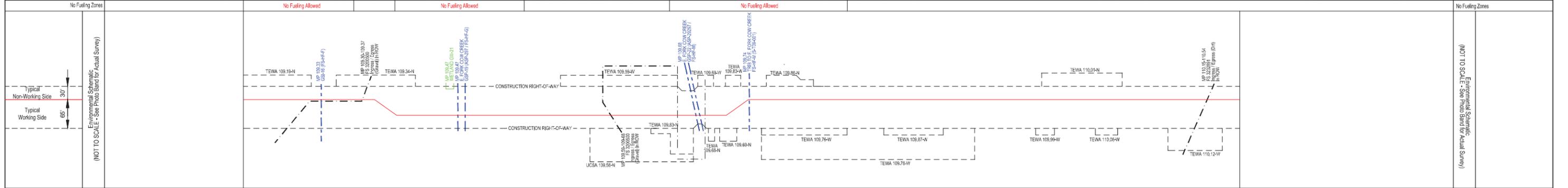
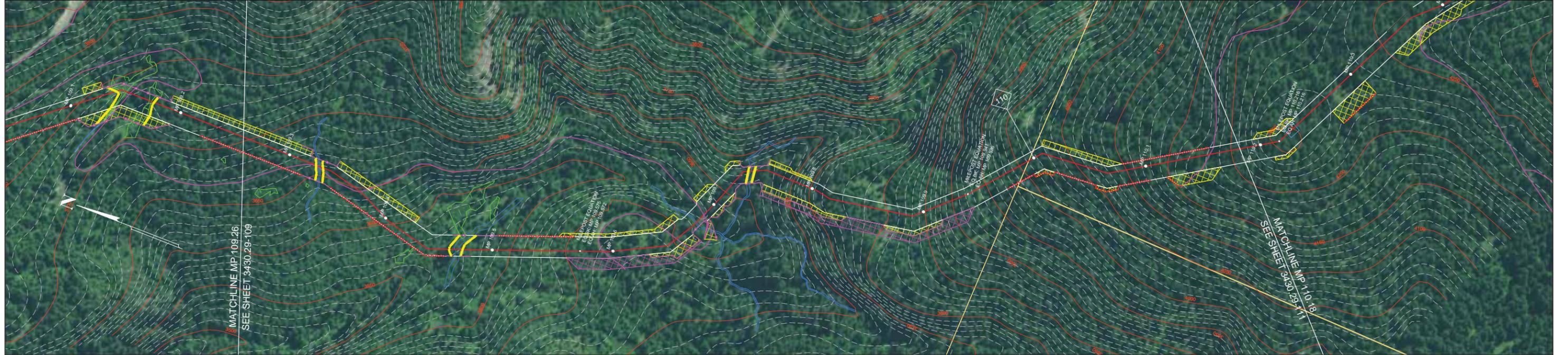
PUBLIC

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

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.
- 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
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REVISIONS

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

Scale: 200 0 200 400 FEET

PUBLIC

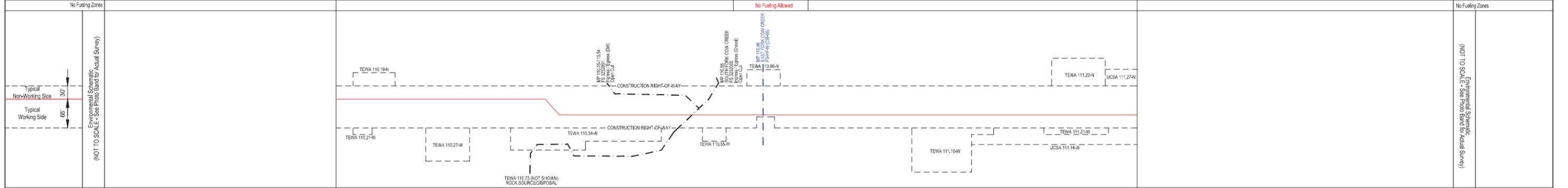
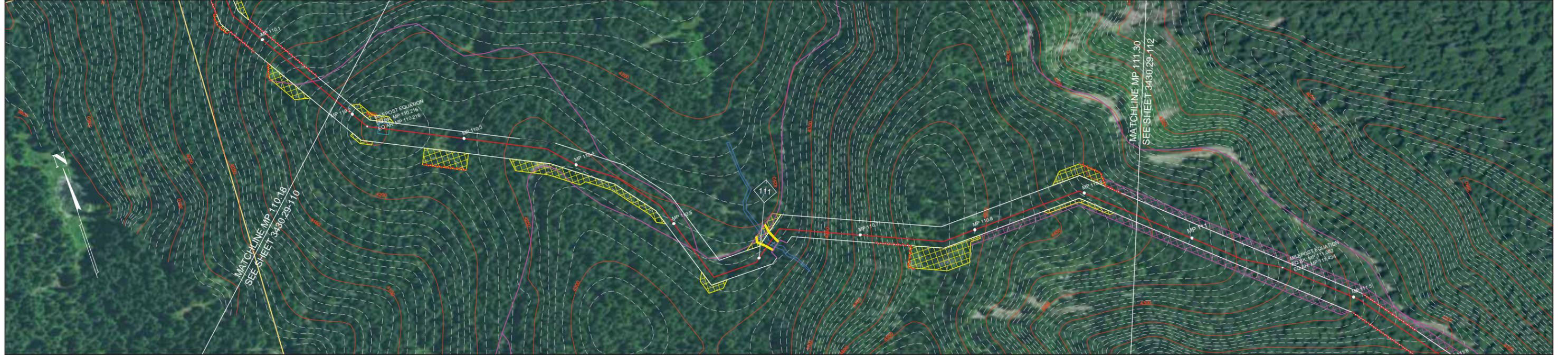
**PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT**

**SPREAD #5
MP 109.26 TO 110.18
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: 3430.29-110	SHEET 110 OF 226

Pacific Connector
GAS PIPELINE

Legal Location	SEC 22, T32S, R2W				Legal Location
Ownership / Management	JK-449.000				Ownership / Management
Jurisdiction	UMPQUA NATIONAL FOREST				Jurisdiction
Federal Landuse Allocation	Matrix - Umpqua NF				Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)	FS-HF-N				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody	Dry Open-Cut / July 1 - Sept 15				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	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)
- 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			
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

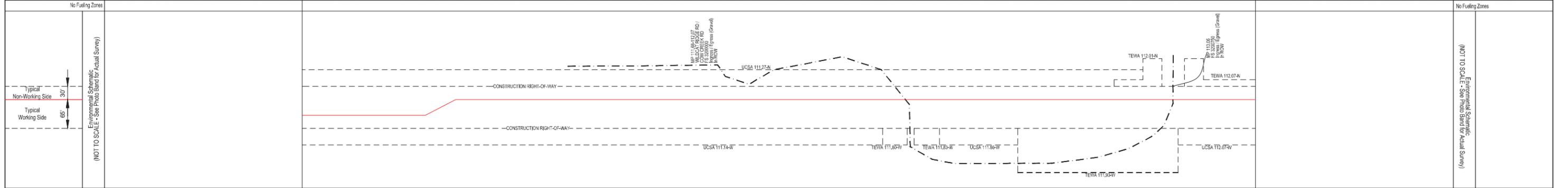
PUBLIC

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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

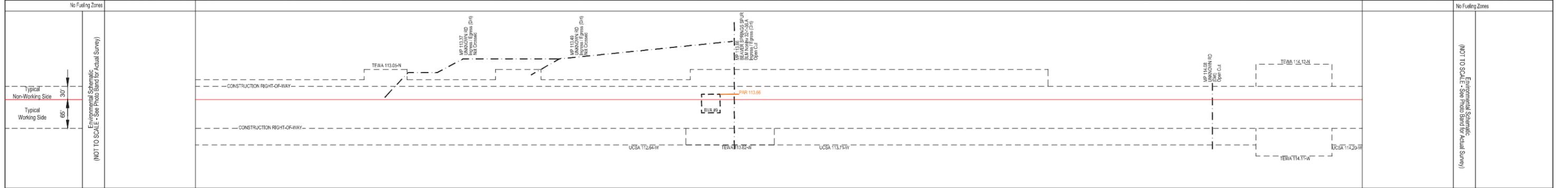
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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

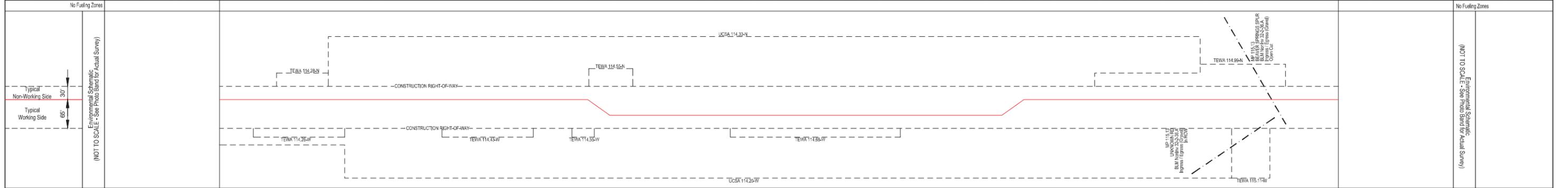
PUBLIC

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

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 Landuse 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.
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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			
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

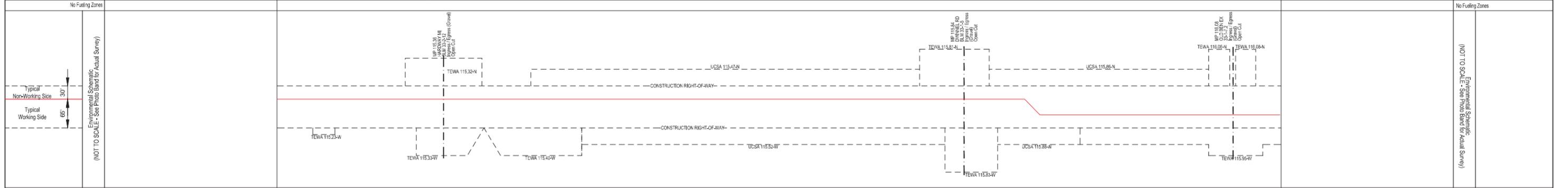
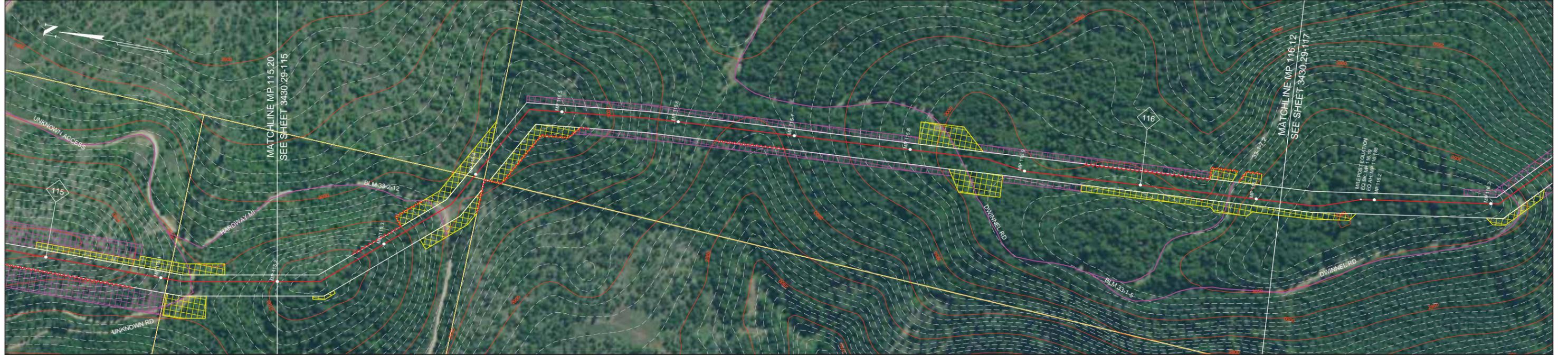
PUBLIC

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

**SPREAD #5
MP 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	JACKSON COUNTY	BLM - MEDFORD DISTRICT	Jurisdiction
Federal Landuse Allocation	7 6 7	2b 6	7 2b 7	Federal Landuse Allocation
Areas of High Groundwater (Potential Trench Dewatering)				Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody				Wetland / Waterbody
Crossing Method / Instream Construction Window				Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)				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 (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

BLM LANDUSE - 2016 RMP

NO.	DATE	BY	DESCRIPTION	CHK.	APP.
2	Sept-2017 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

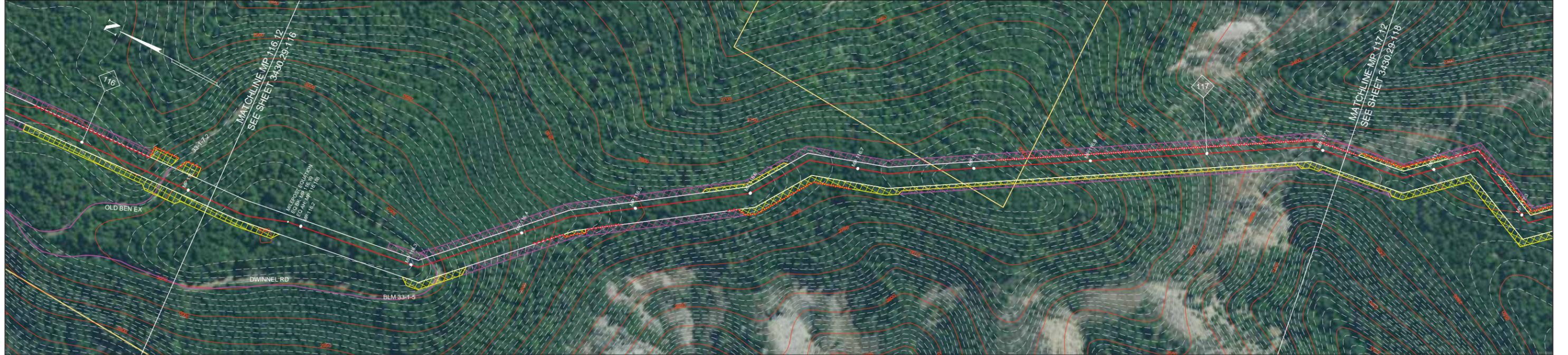
PUBLIC

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

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	2a	Federal Landuse Allocation	
Areas of High Groundwater (Potential Trench Dewatering)									Areas of High Groundwater (Potential Trench Dewatering)
Wetland / Waterbody									Wetland / Waterbody
Crossing Method / Instream Construction Window									Crossing Method / Instream Construction Window
Biological Seasonal Construction Window (as of September 2017)									Biological Seasonal Construction Window (as of September 2017)
Topsoil Salvage / Federal Lands Soil Risk	2	1	2	2/3	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)



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

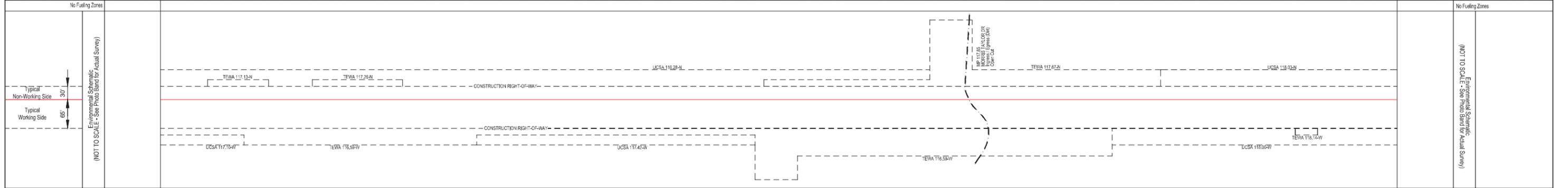
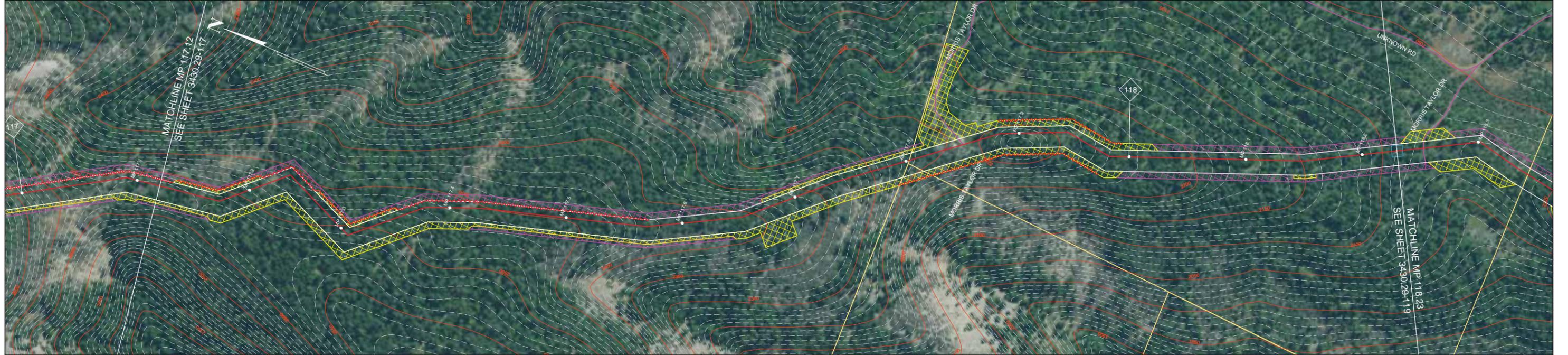
PUBLIC

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

SPREAD #5
MP 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

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

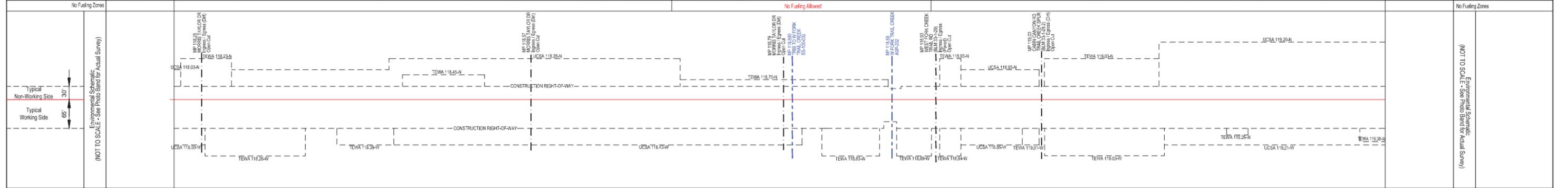
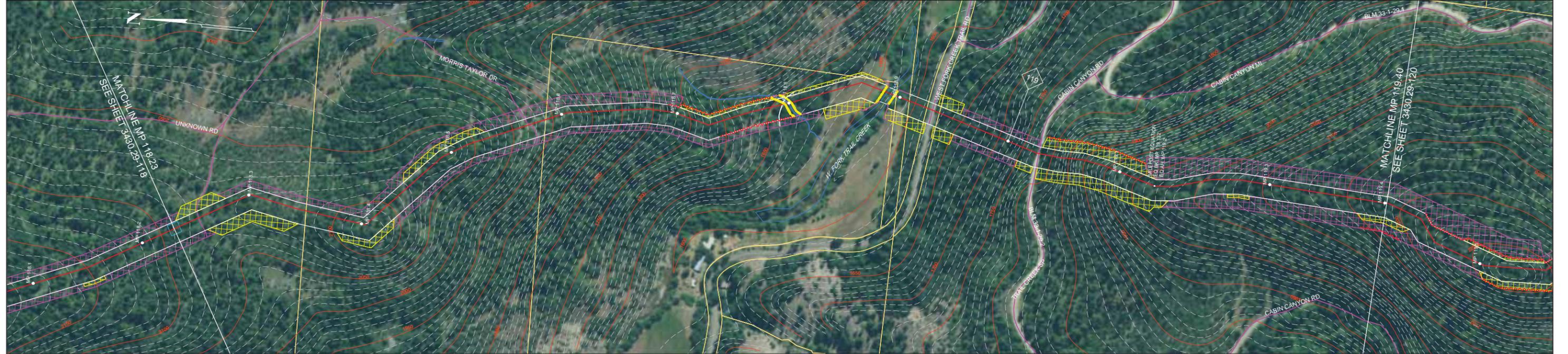
PUBLIC

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				Ownership / Management	
Jurisdiction	JACKSON COUNTY				BLM - MEDFORD DISTRICT				Jurisdiction	
Federal Landuse Allocation					4a	2b	6	2b	6	
Areas of High Groundwater (Potential Trench Dewatering)					DEC - APR				Areas of High Groundwater (Potential Trench Dewatering)	
Wetland / Waterbody					Trib to West Fork Trail Creek West Fork Trail 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)					Dry Open-Cut / June 15 - Sept. 15				Biological Seasonal Construction Window (as of September 2017)	
Topsoil Salvage / Federal Lands Soil Risk					1				2	1
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 (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

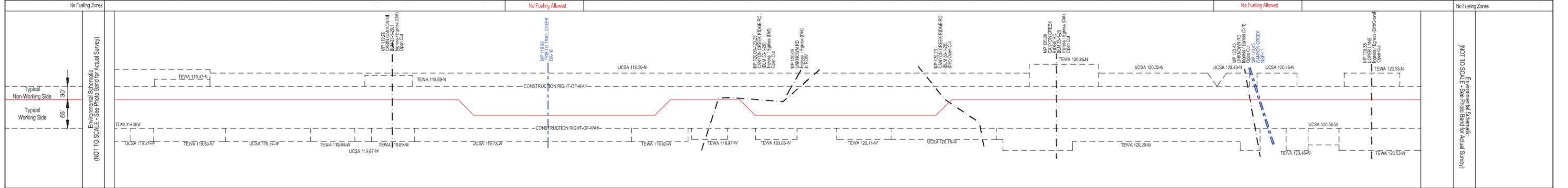
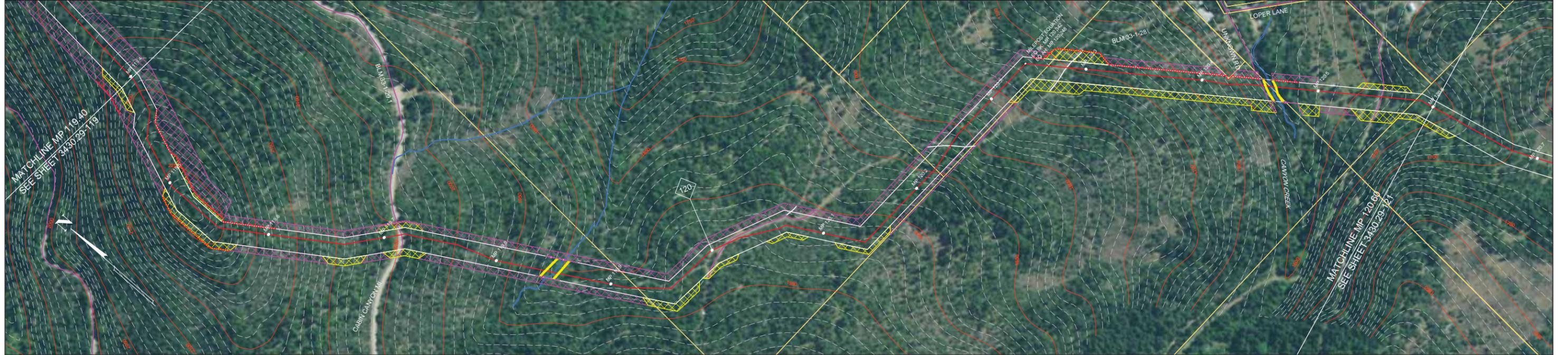
PUBLIC

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

SPREAD #5
MP 118.23 TO 119.40
JACKSON COUNTY, OREGON

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: 3430.29-119	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)



- 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

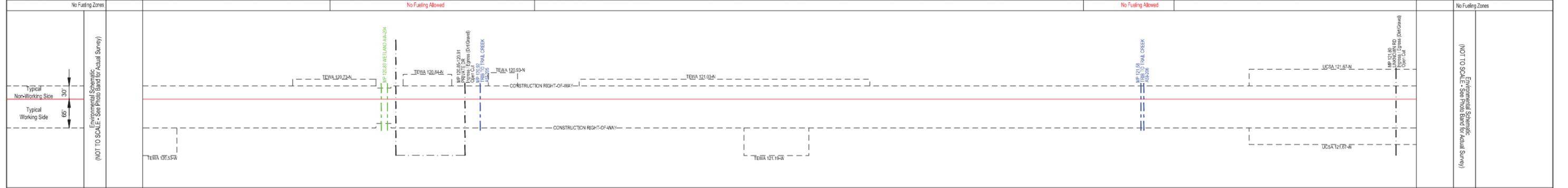
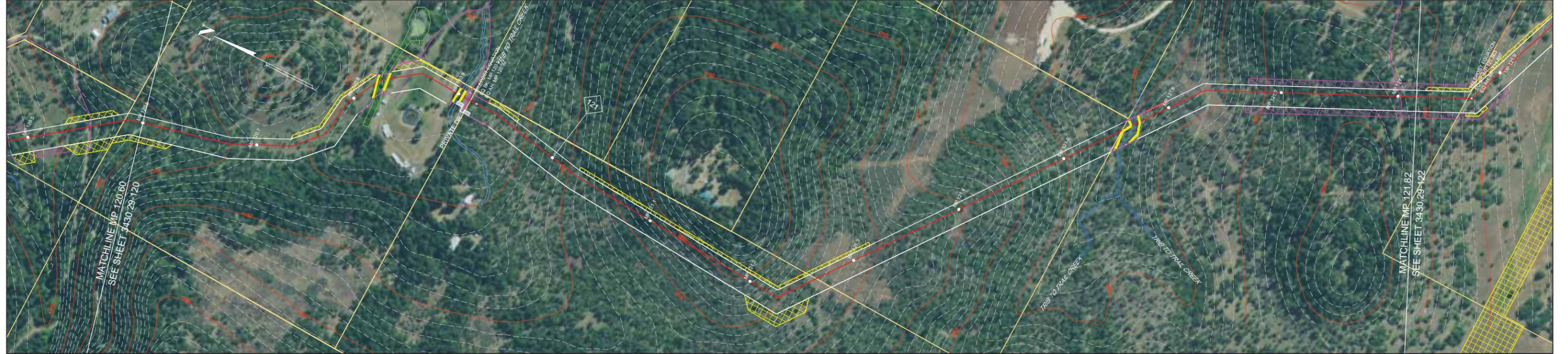
PUBLIC

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

SPREAD #5
MP 119.40 TO 120.60
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: 3430-29-120	SHEET 120 OF 226

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

BLM LANDUSE - 2016 RMP				REVISIONS			
NO.	DATE	BY	DESCRIPTION	CHK.	APP.	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

200 0 200 400 FEET

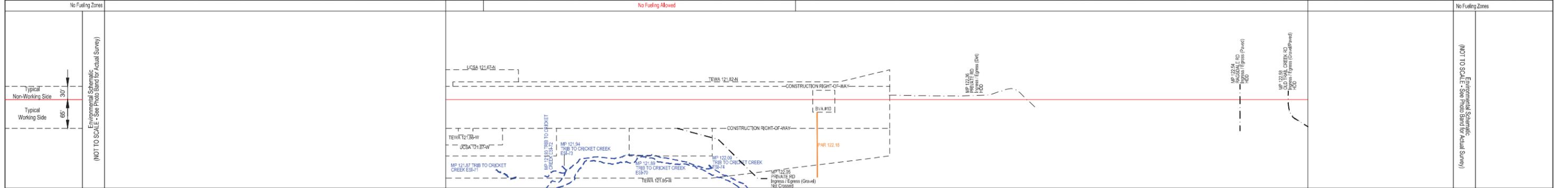
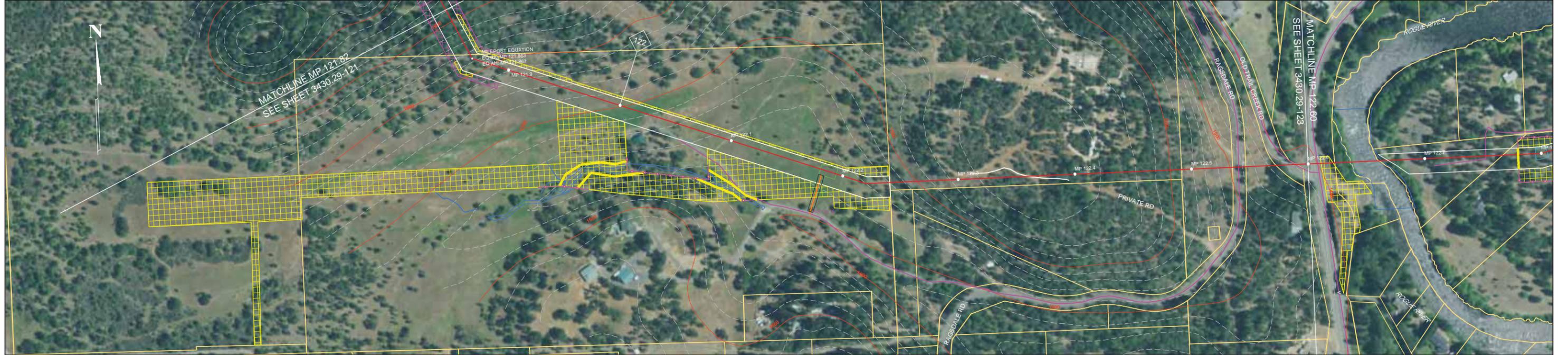
PUBLIC

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

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.
 - 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

REVISIONS

Scale: 1 inch = 200 Feet

PUBLIC

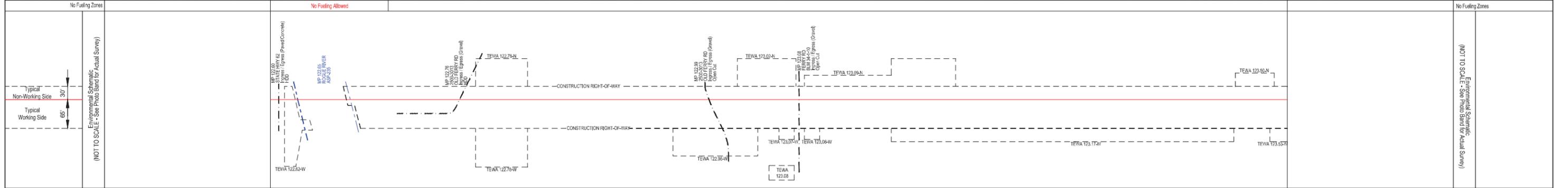
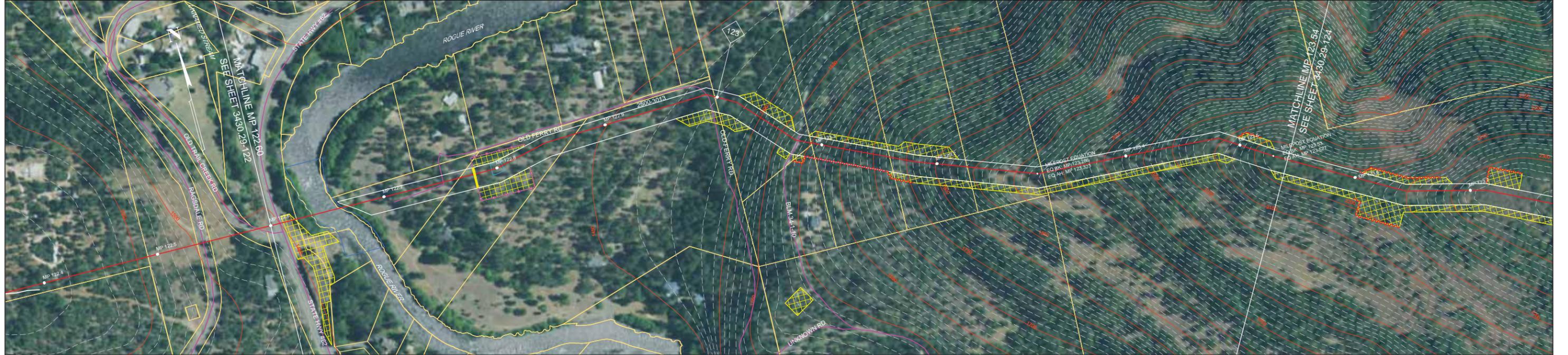
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

Legal Location	SEC 3, T34S, R11W	SEC 2, T34S, R11W	Legal Location
Ownership / Management			Ownership / Management
Jurisdiction	JACKSON COUNTY	BLM - MEDFORD DISTRICT	JACKSON COUNTY
Federal Landuse Allocation		2b	2a
Areas of High Groundwater (Potential Trench Dewatering)		2b	2a
Wetland / Waterbody	Rogue River		
Crossing Method / Instream Construction Window	HDD / June 15 - August 31 (See Note 8)		
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)	HYDROSTATIC TEST BREAK		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.
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 - Right-of-way grading or vegetation clearing will occur as necessary.
 - Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.
 - Pacific Connector understands that fisheries' construction windows only apply to those waterbodies flowing at the time of construction and that the windows do not apply to HDD crossings.

LEGEND

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

BLM LANDUSE - 2016 RMP

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

Scale: 200 0 200 400 FEET

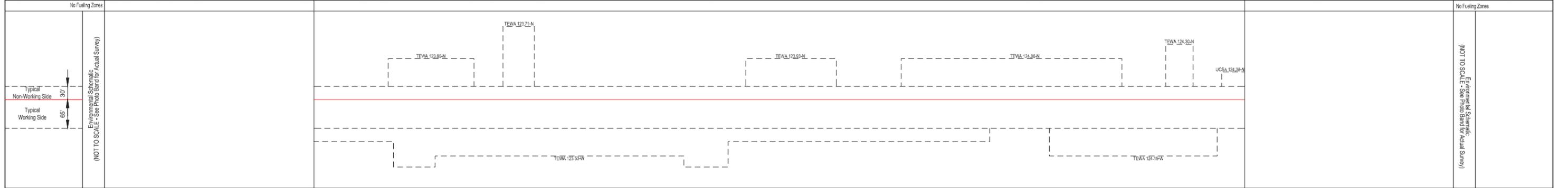
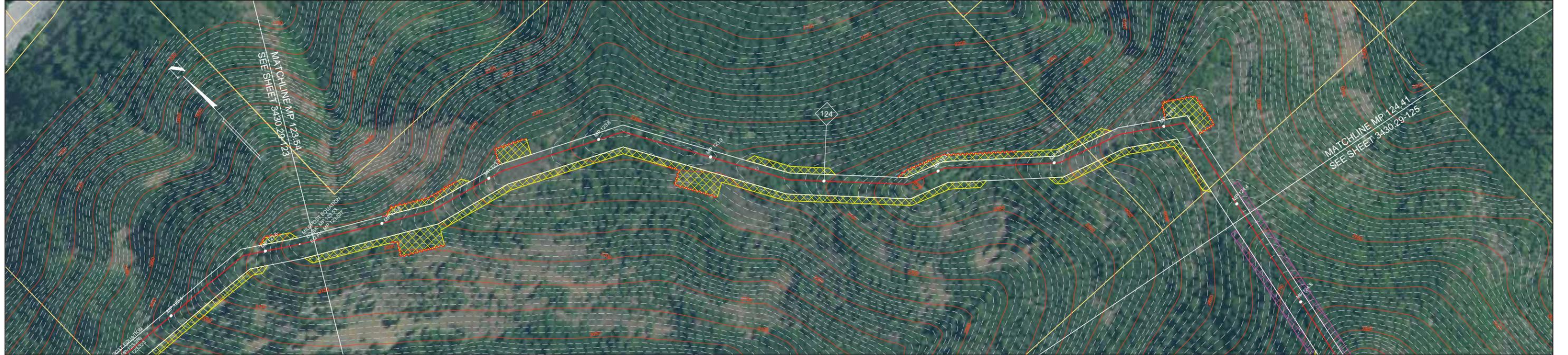
PUBLIC

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

SPREAD #5
MP 122.60 TO 123.54
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: 3430.29-123	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)
- Driveable Berm or Sediment Barrier / Portable Bridge / Wetland Crossing (DB) (SB) (PB) (WC)
- Silt Fence (SF)
- Safety Fence (SAF)
- Slash Filter Window (SFV)
- Construction Entrance Pad (CE)
- Temporary Construction Right-of-Way (Shown white on photography)
- Temporary Extra Work Area
- Uncleared Storage Area
- Pipe Yard
- Aboveground Facility
- Rock Source/Disposal

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

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

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

Scale: 200 0 200 400 FEET

PUBLIC

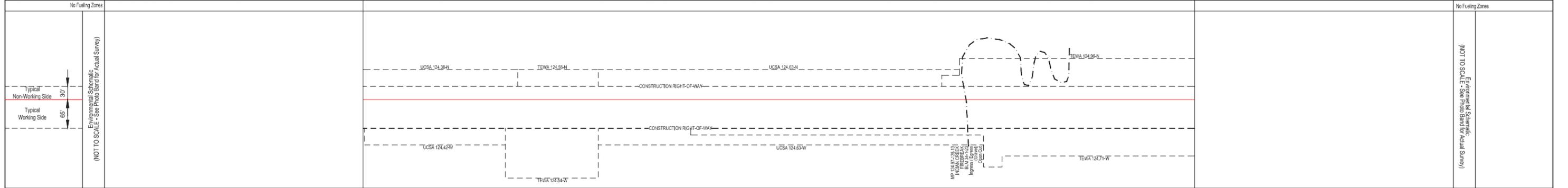
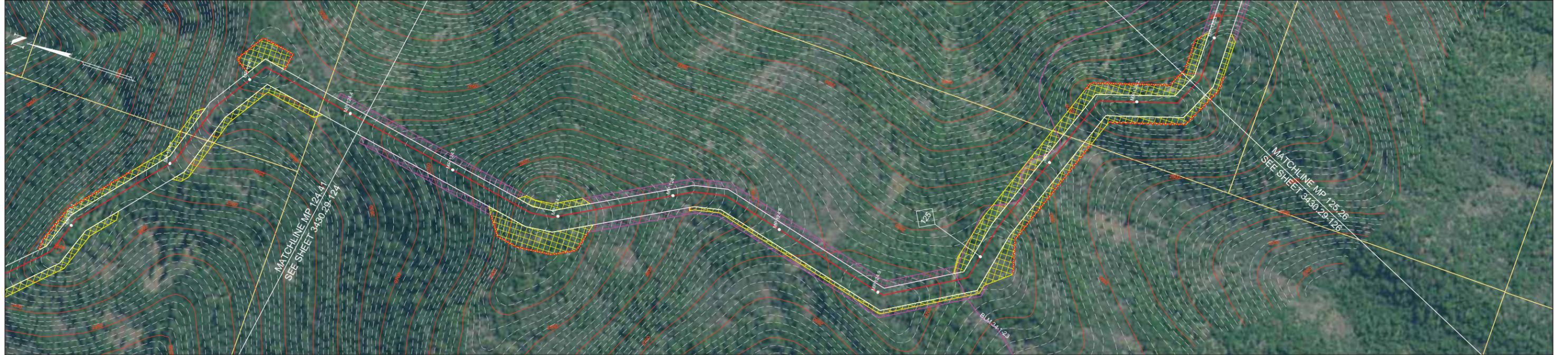
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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				
Federal Landuse Allocation	4a	4a	2b	4a	2b
Areas of High Groundwater (Potential Trench Dewatering)	6				
Wetland / Waterbody	4a				
Crossing Method / Instream Construction Window	NONE				
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)
- 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	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

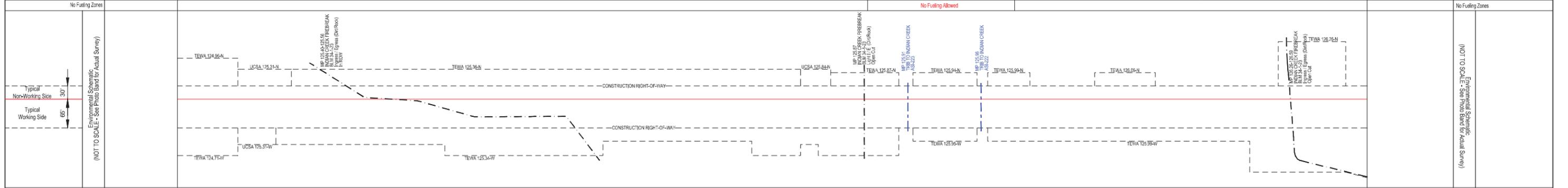
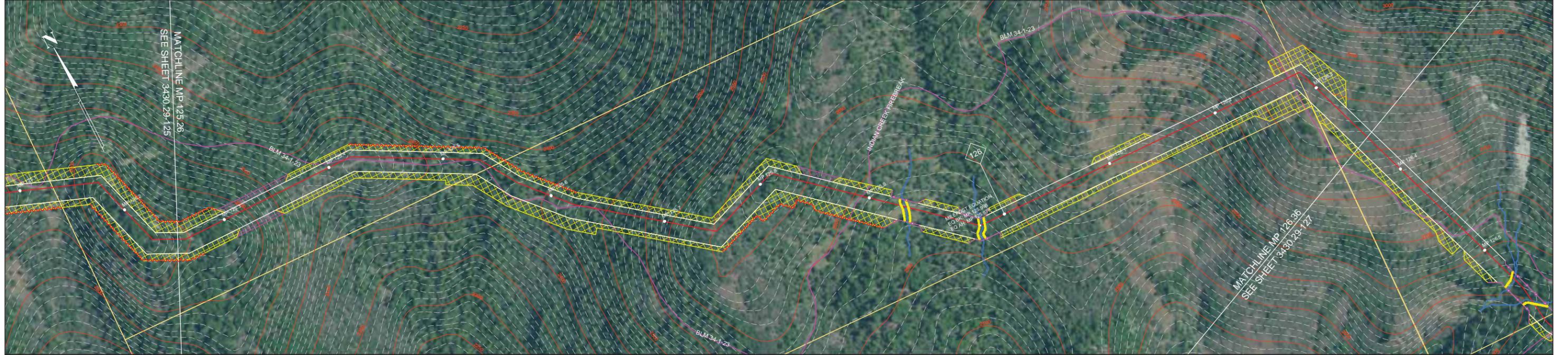
PUBLIC

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

SPREAD #5
MP 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

Legal Location	SEC 12, T34S, R11W										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)	ACCESS DENIED (CULTURAL)												Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	



NOTES:	LEGEND	BLM LANDUSE - 2016 RMP	REVISIONS				PACIFIC CONNECTOR GAS PIPELINE PROJECT PACIFIC CONNECTOR GAS PIPELINE, LP ENVIRONMENTAL ALIGNMENT	SPREAD #5 MP 125.26 TO 126.36 JACKSON COUNTY, OREGON
			NO.	DATE	BY	DESCRIPTION		
1: In wetlands cut vegetation off at ground level, leaving existing root systems in place and remove the vegetation from the wetland for disposal.	Proposed Pipeline	2a - District Designated Reserve (No Harvest)	2	Sept-2017	EE	Issued for FERC Certificate Application	EE	EE
2: 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.	Construction Right-of-Way	2b - District Designated Reserve (Non-Harvest)		Aug-2019	EE	Issued for FERC DEIS Response		
3: In wetlands segregate the top one foot of topsoil from the trench line, except in areas where standing water or saturated soils are present.	Temporary Construction Right-of-Way	3a - Late-Successional Reserve (Dry Forest)						
4: 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.	Temporary Extra Work Area	3b - Late-Successional Reserve (Moist Forest)						
5: 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.	Uncleared Storage Area	4a - Riparian Reserve (Dry Forest)						
6: Right-of-way grading or vegetation clearing will occur as necessary.	Pipe Yard	4b - Riparian Reserve (Moist Forest)						
7: Seed mixes in the ECRP or according to landowner agreements or as directed by E.I.	Aboveground Facility	5 - Estab. Management Area						
8: 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.	Rock Source/Disposal	6 - Harvest Land Base (Shelter-Aged Timber Area)						

NOTES:

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

LEGEND

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

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 - Estab. Management Area
- 6 - Harvest Land Base (Shelter-Aged Timber Area)
- 7 - Harvest Land Base (Low Intensity Timber Area)
- 8 - Harvest Land Base (Moderate Intensity Timber Area)

FEDERAL LANDS SOIL RISK SENSITIVITY RANK

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

REVISIONS

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

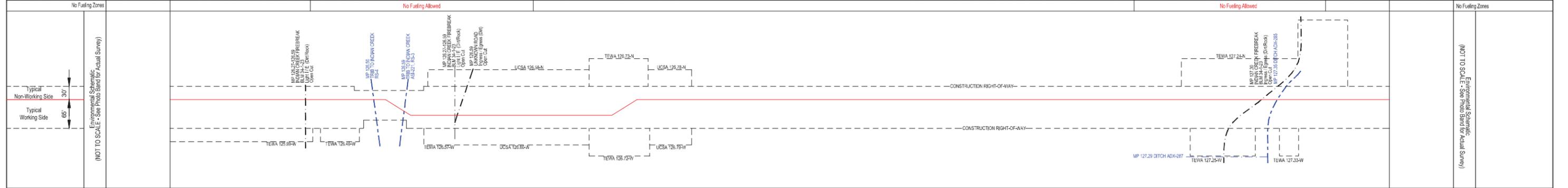
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

PUBLIC

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				BLM - MEDFORD DISTRICT	Jurisdiction
Federal Landuse Allocation	2b	4a	2b	4a	2a	2b	2a	2b	2a	2a	2a	2a	Federal Landuse Allocation	
Areas of High Groundwater (Potential Trench Dewatering)												Areas of High Groundwater (Potential Trench Dewatering)		
Wetland / Waterbody	Trib. to Indian Creek											Ditch	Ditch	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					2					Topsoil Salvage / Federal Lands Soil Risk	
Hydrostatic Test Water Release / Aboveground Facilities / Residential Survey Status (wetlands as of July 2017)	ACCESS DENIED (CULTURAL)											1	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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- 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)	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 - Estab. Management Area	6 - Harvest Land Base (Unkn.-Aged Timber Area)	7 - Harvest Land Base (Low Intensity Timber Area)	8 - Harvest Land Base (Moderate Intensity Timber Area)
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

200 0 200 400 FEET

PUBLIC

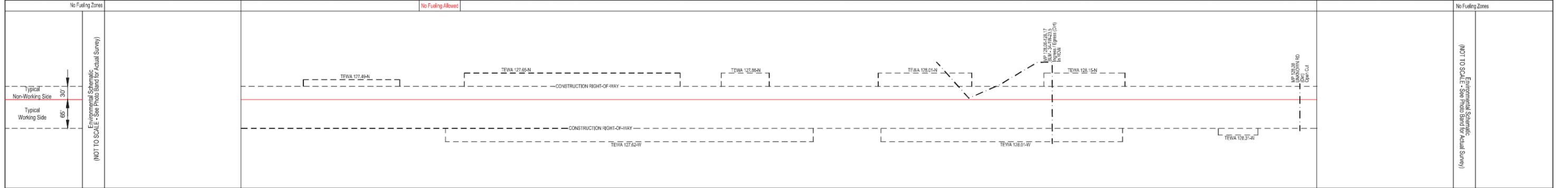
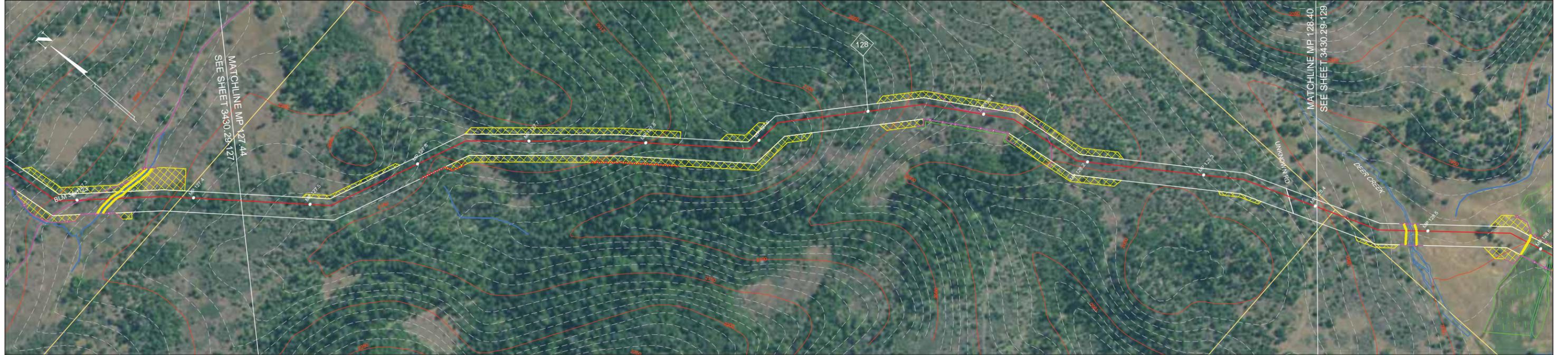
PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
ENVIRONMENTAL ALIGNMENT

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

Pacific Connector
GAS PIPELINE

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													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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LEGEND

- Proposed Pipeline
- Tax Parcel Boundaries
- Wetland
- Stream
- Access Road
- Permanent / Temporary Access Road (PAR / TAR)
- Temporary Construction Right-of-Way (Shown white on photography)
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- 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.	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