



Mitigation Site Plan

Sheet 1 of 27

L301

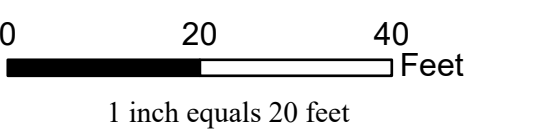
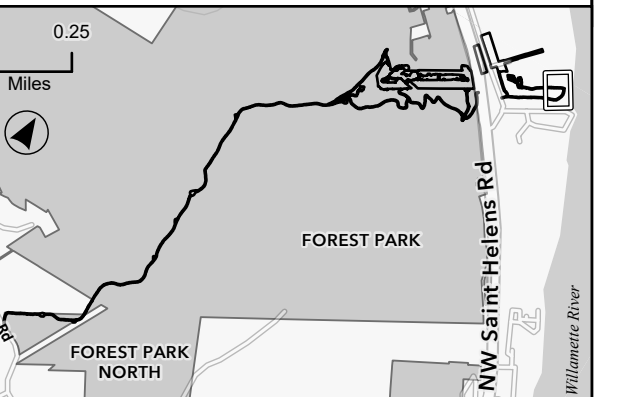
10/23/2024

Legend

- Limits of Disturbance
- Planting Plan
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
- Surveyed Tree Location
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads
 - Existing Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Wetland/Ordinary High Water (OHW)
 - Greenway Setback (50-ft)
 - Drainage Reserve Area
 - Drainage Flow
 - Culvert
 - 100-year Floodplain
 - Multnomah County Tax Lot
 - Zoning (City of Portland)
 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
 Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
 Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



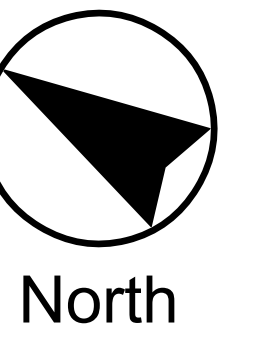
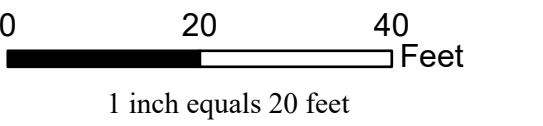
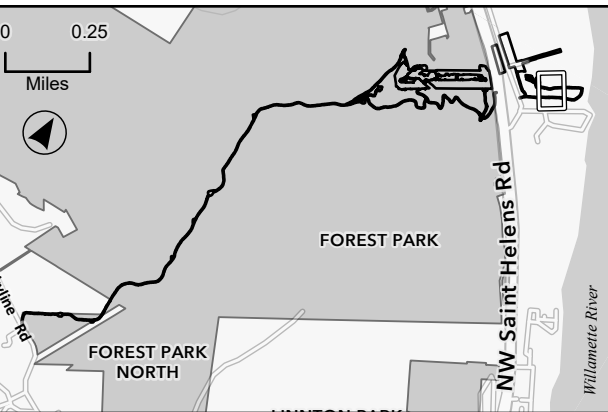
MATCHLINE SEE SHEET L302



- Legend**
- Limits of Disturbance
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 - Tall Upland Plant Community (no maximum height)
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 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
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NOTES: See SHT. L324



MATCHLINE SEE SHEET L302



MATCHLINE SEE SHEET L304



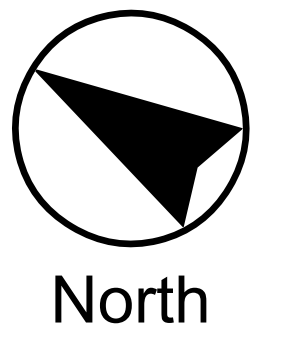
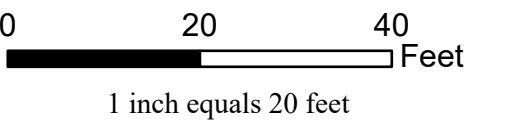
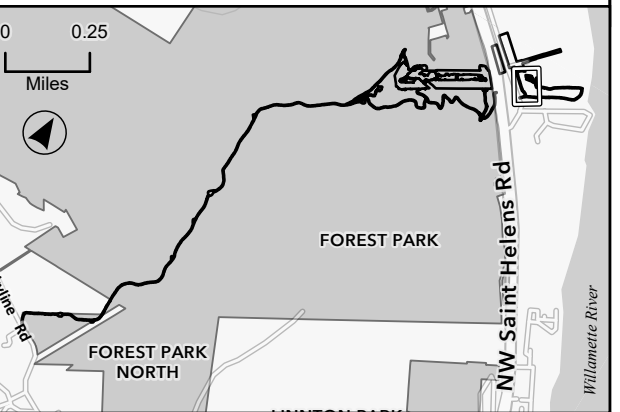
Mitigation Site Plan
Sheet 3 of 27
L303

10/23/2024

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NOTES: See SHT. L324



MATCHLINE SEE SHEET L303



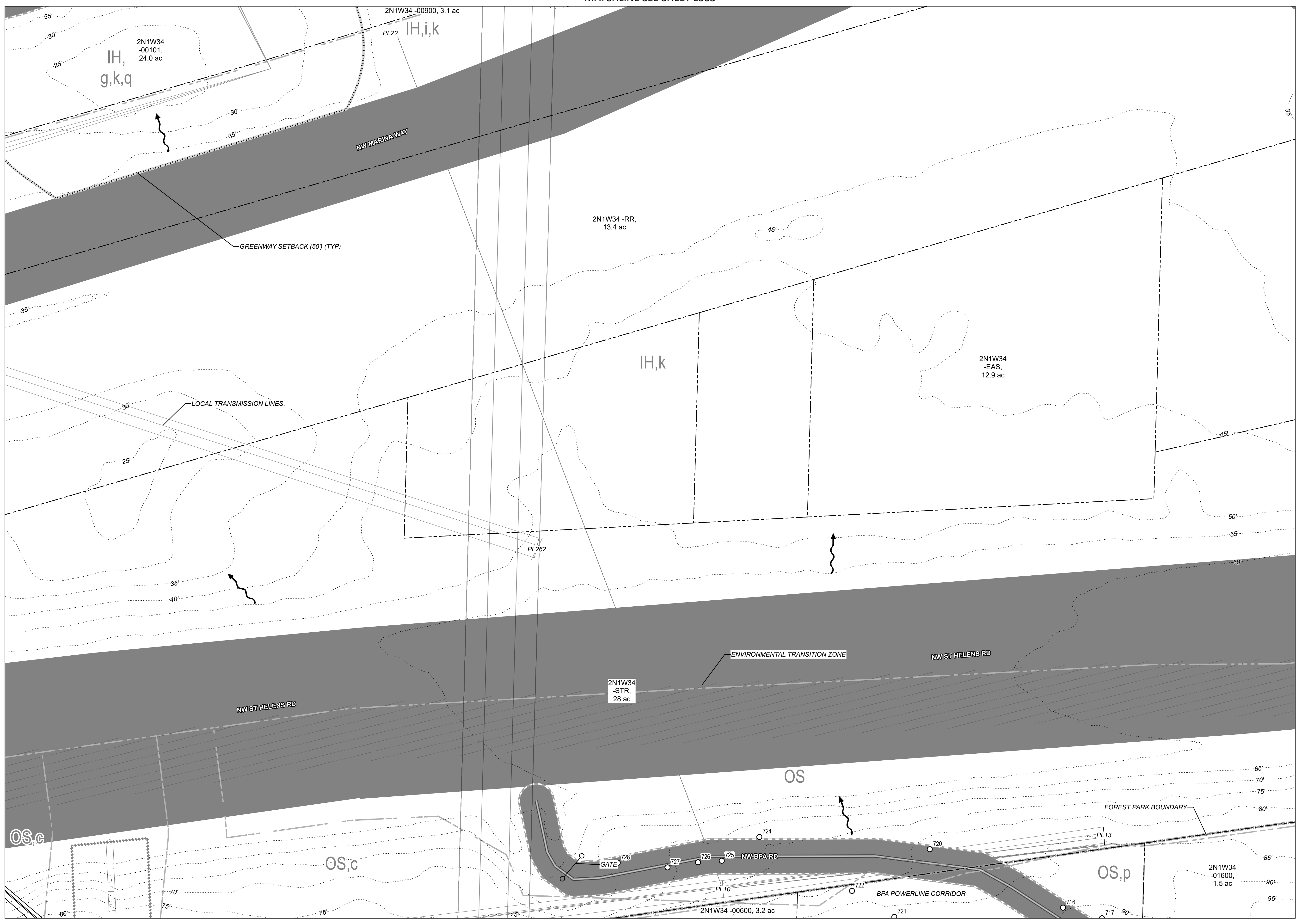
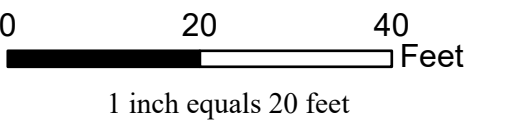
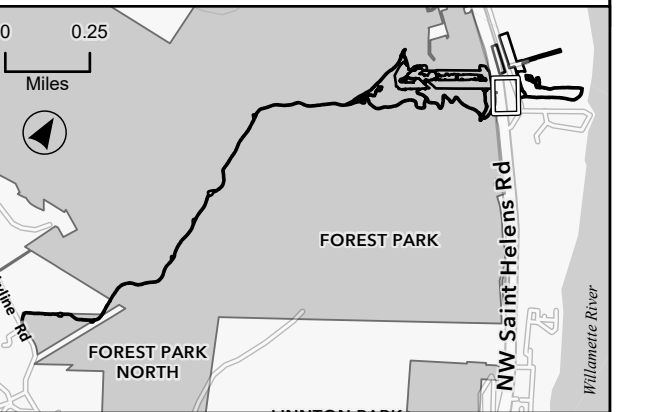
Mitigation Site Plan
Sheet 4 of 27
L304

10/23/2024

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NOTES: See SHT. L324



MATCHLINE SEE SHEET L305

MATCHLINE SEE SHEET L307, L306



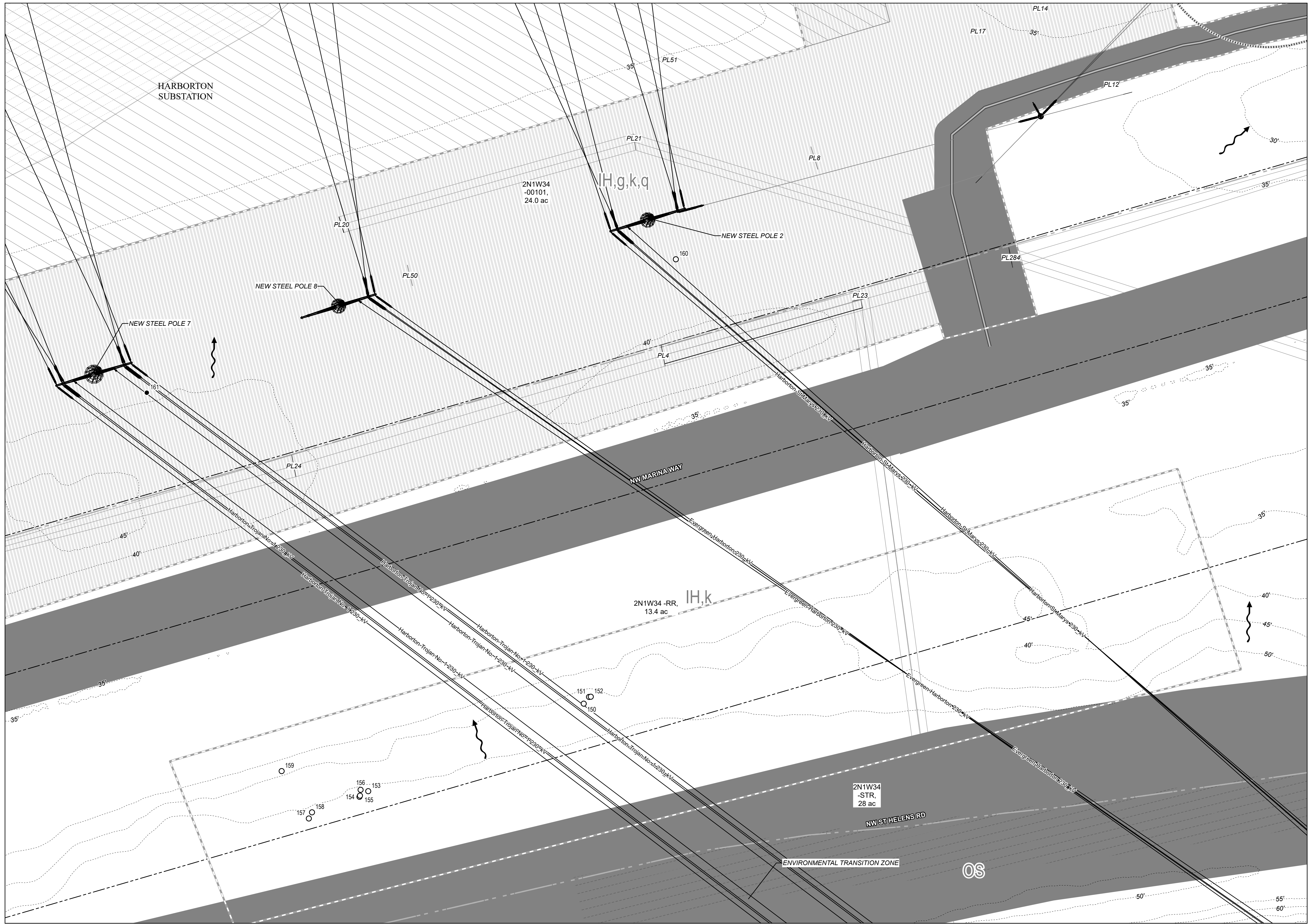
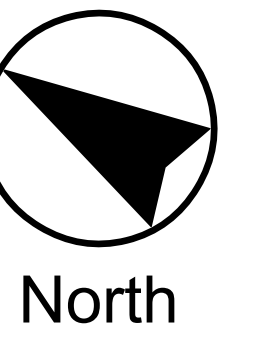
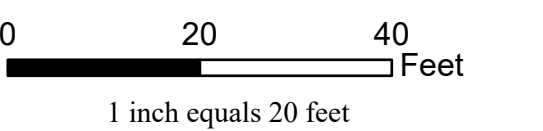
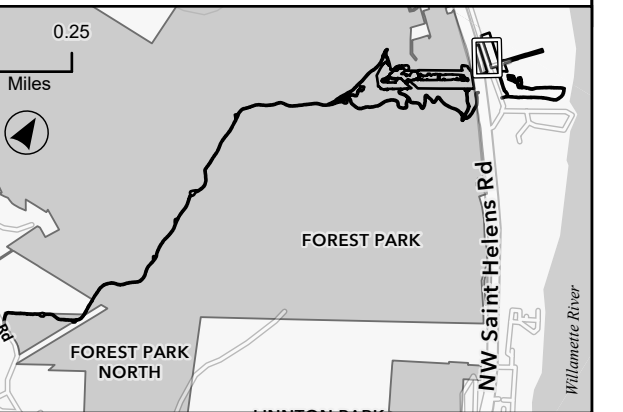
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NOTES: See SHT. L324

MATCHLINE SEE SHEET L304



MATCHLINE SEE SHEET L307

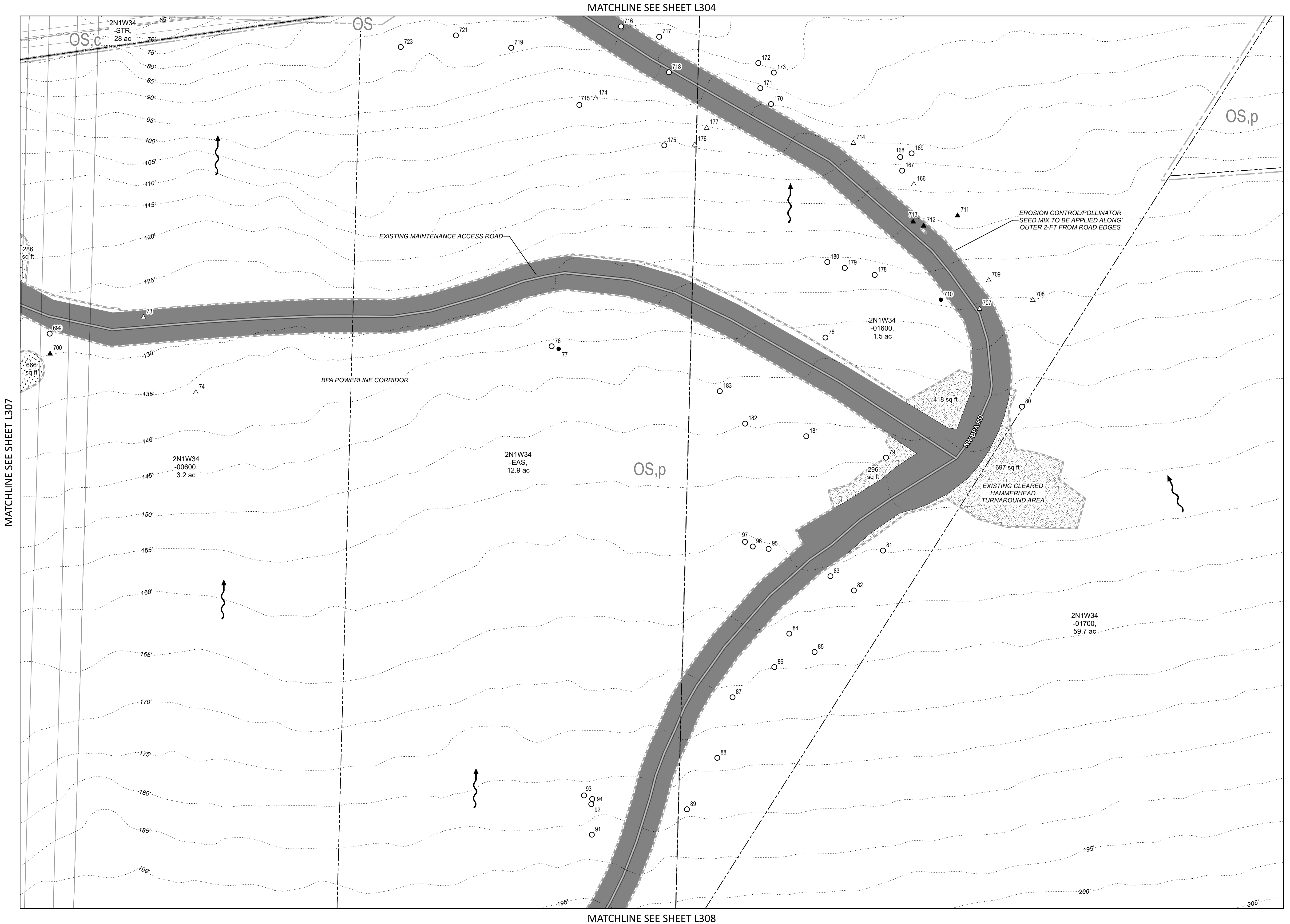
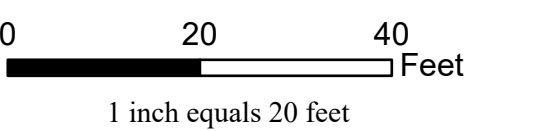
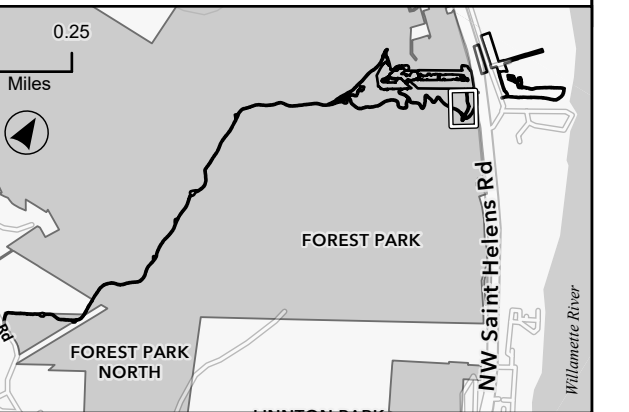


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NOTES: See SHT. L324

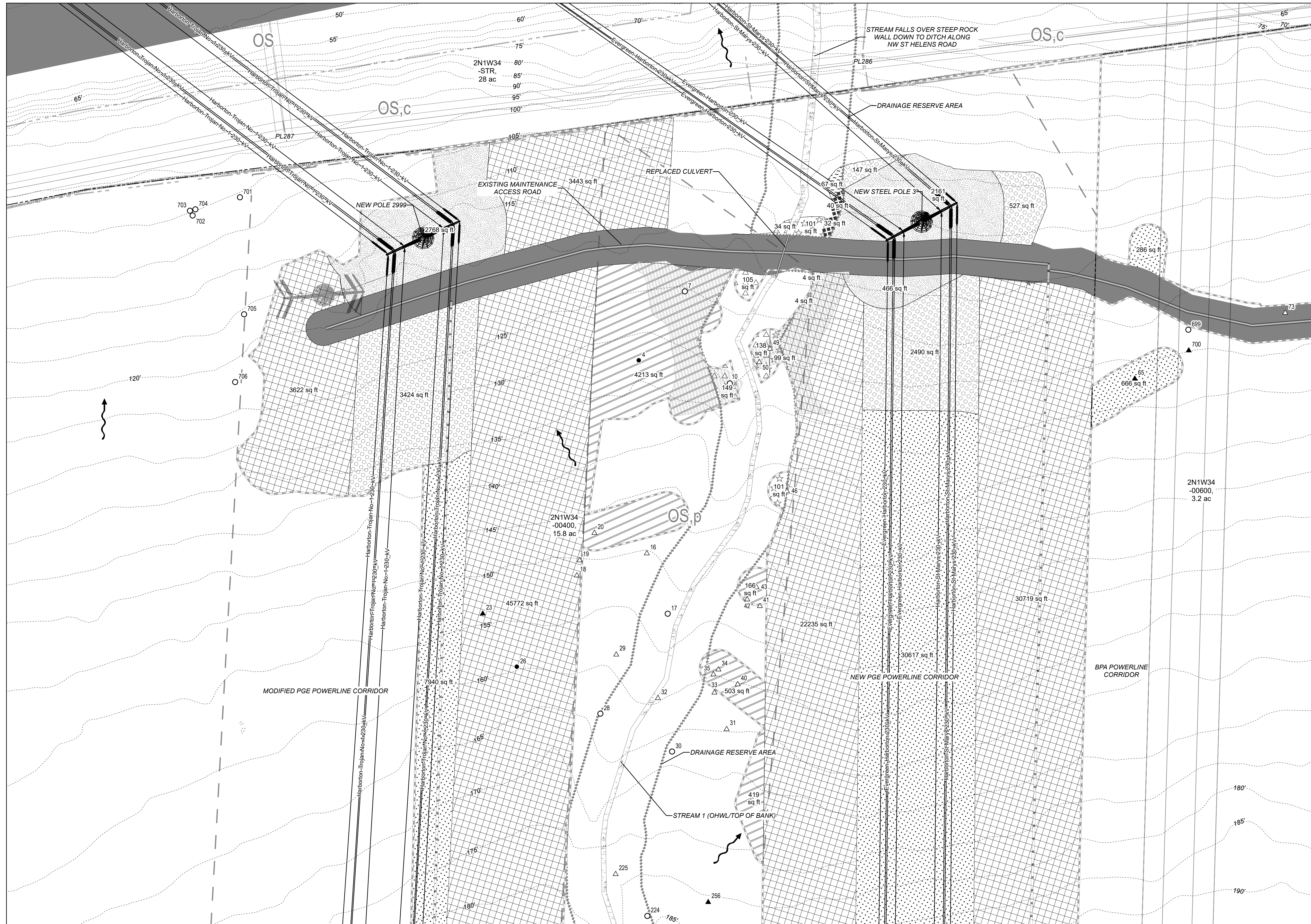


MATCHLINE SEE SHEET L307

MATCHLINE SEE SHEET L304

MATCHLINE SEE SHEET L308

MATCHLINE SEE SHEET L305, L304



MATCHLINE SEE SHEET L309

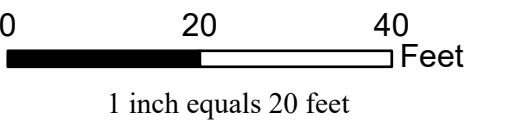
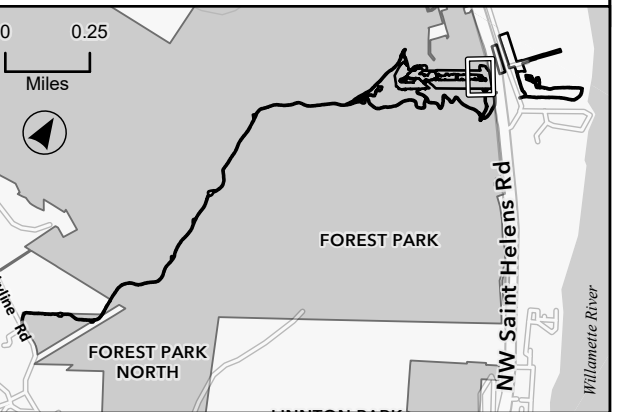


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Area of Permanent Wetland Encroachment:
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NOTES: See SHT. L324

MATCHLINE SEE SHEET L306



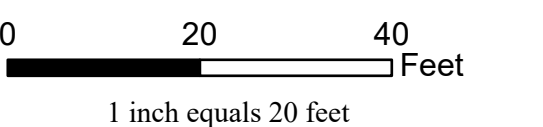
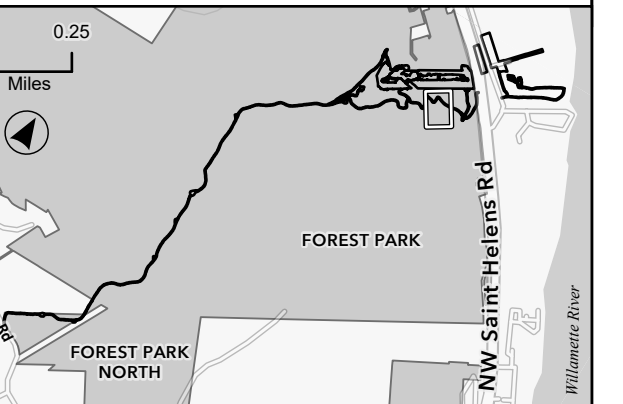


Legend

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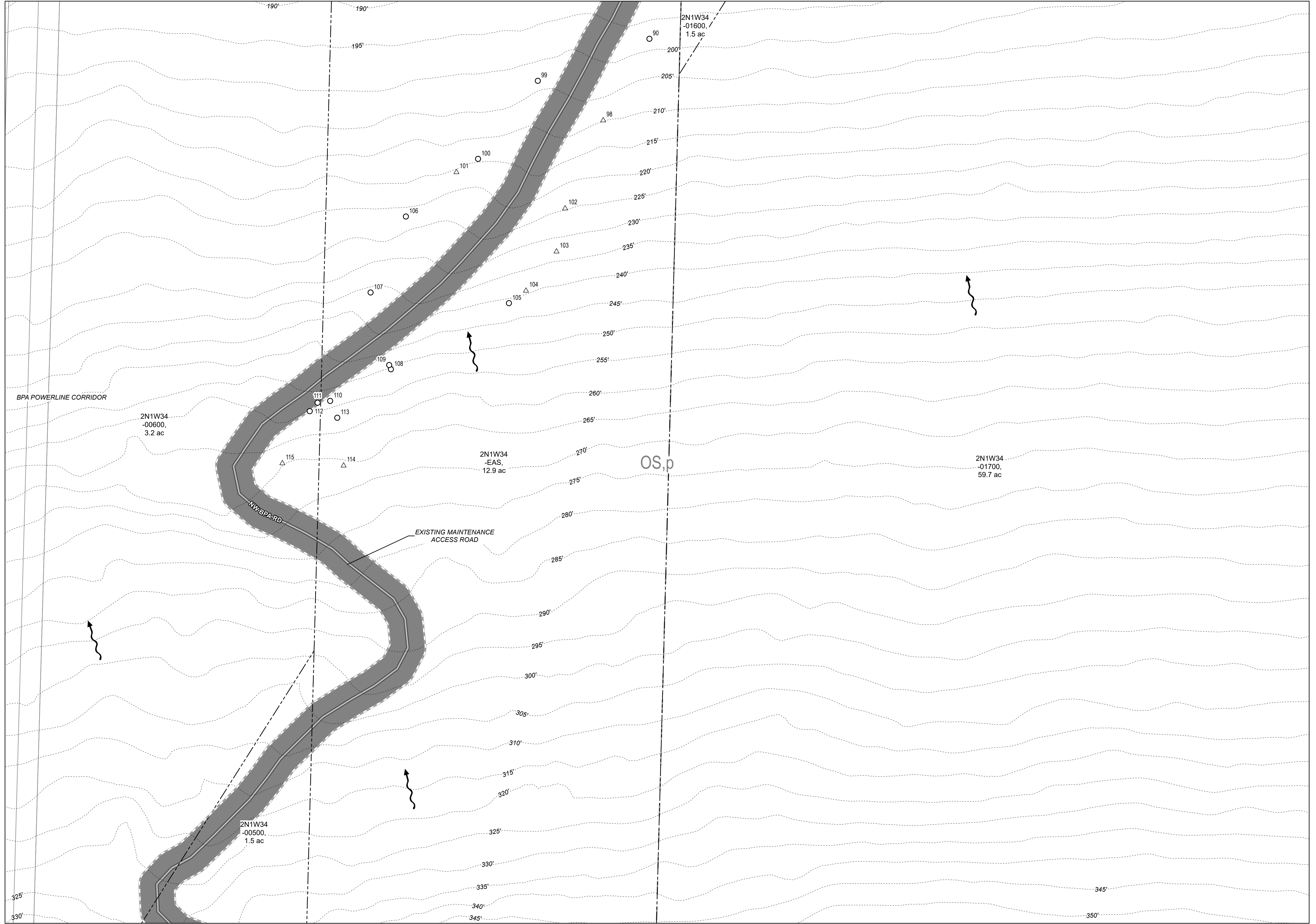
NOTES: See SHT. L324



MATCHLINE SEE SHEET L309

MATCHLINE SEE SHEET L306

MATCHLINE SEE SHEET L310



MATCHLINE SEE SHEET L307



MATCHLINE SEE SHEET L311

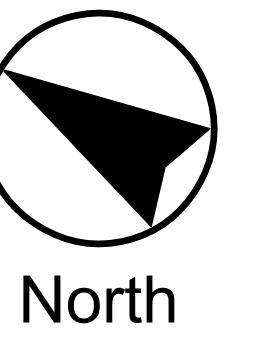
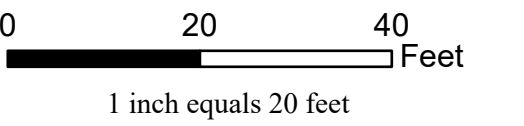
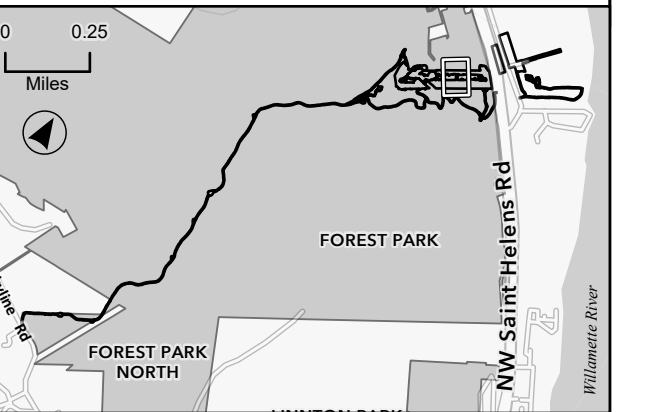


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MATCHLINE SEE SHEET L308

Area of Temporary Wetland Encroachment:
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NOTES: See SHT. L324



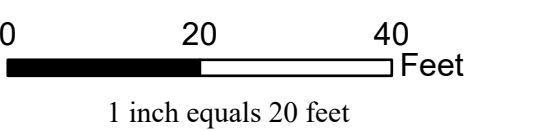
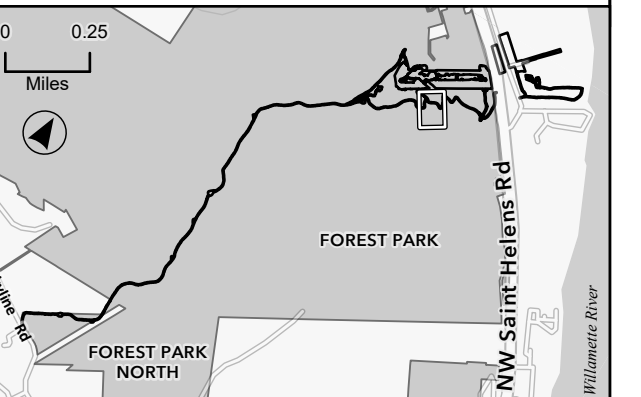


Legend

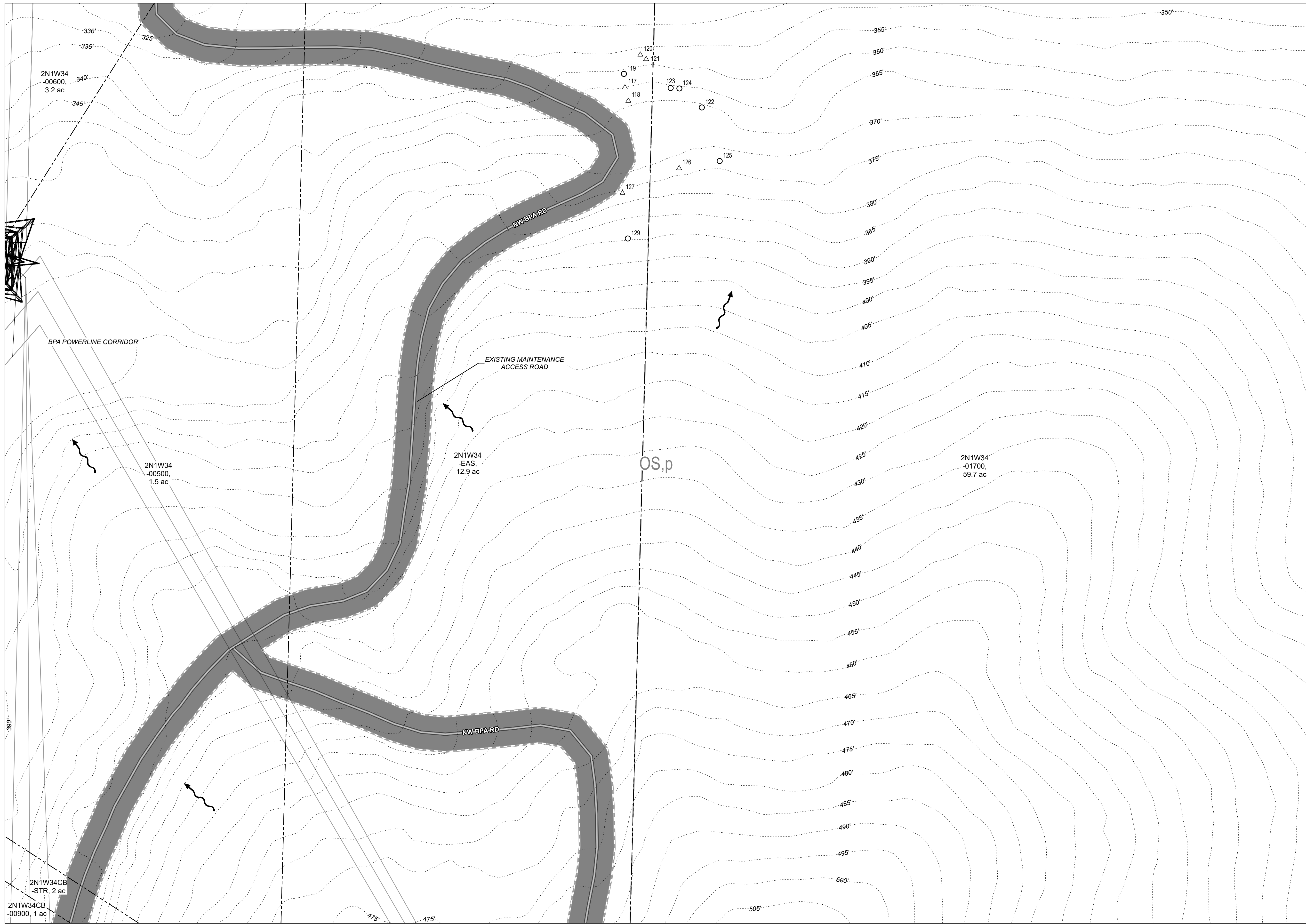
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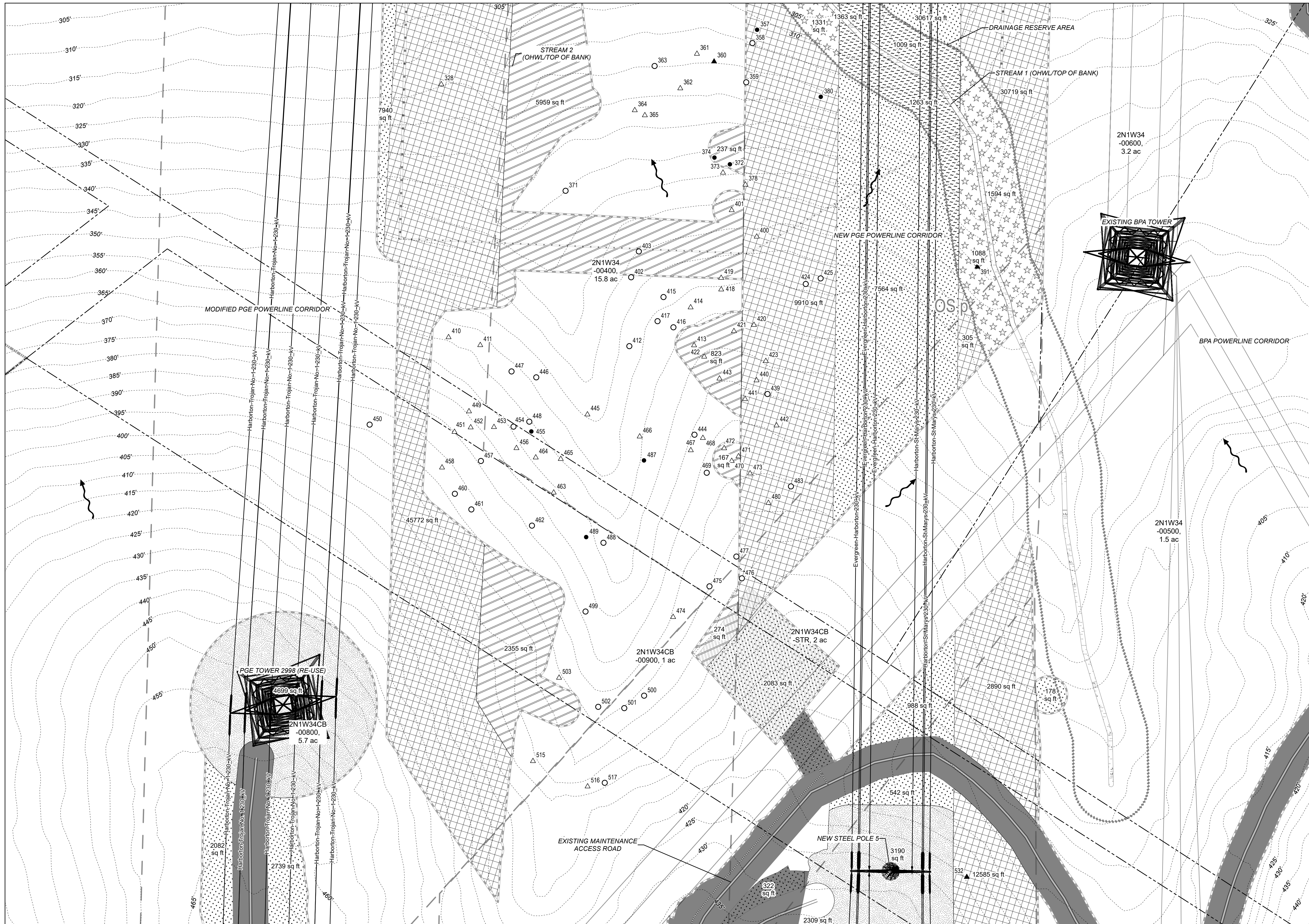
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NOTES: See SHT. L324



MATCHLINE SEE SHEET L311



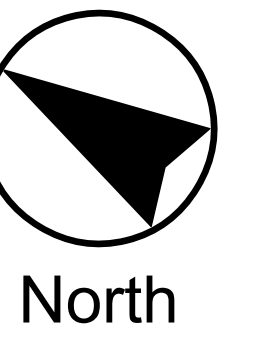
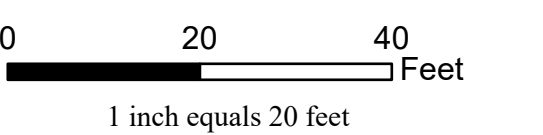
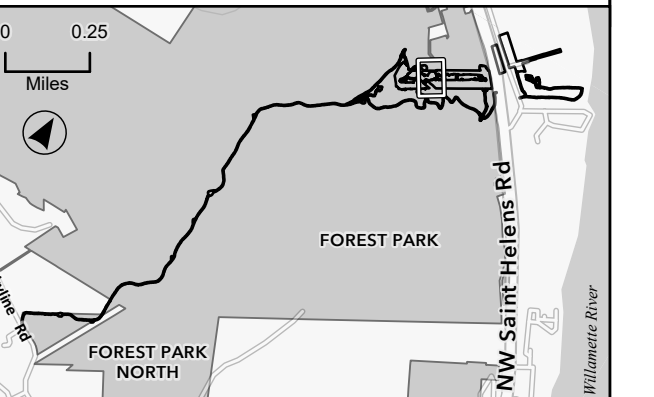


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 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
 - Surveyed Tree Location**
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
 - Access Roads**
 - Existing Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Wetland/Ordinary High Water (OHW)
 - Greenway Setback (50-ft)
 - Drainage Reserve Area
 - Drainage Flow
 - Culvert
 - 100-year Floodplain
 - Multnomah County Tax Lot
 - Zoning (City of Portland)
 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324

MATCHLINE SEE SHEET L310



MATCHLINE SEE SHEET L310, L311



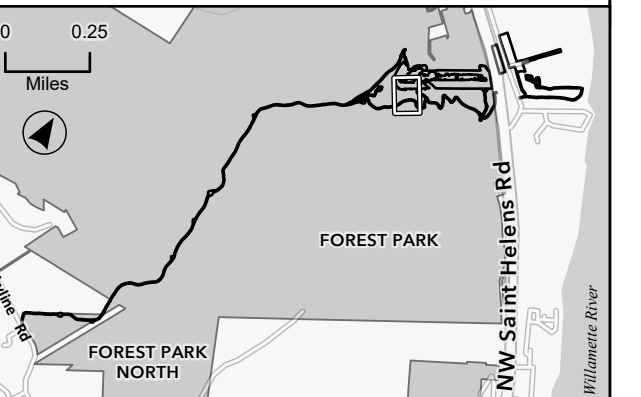
Mitigation Site Plan
Sheet 12 of 27
L312

10/23/2024

- Legend**
- Limits of Disturbance
 - Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
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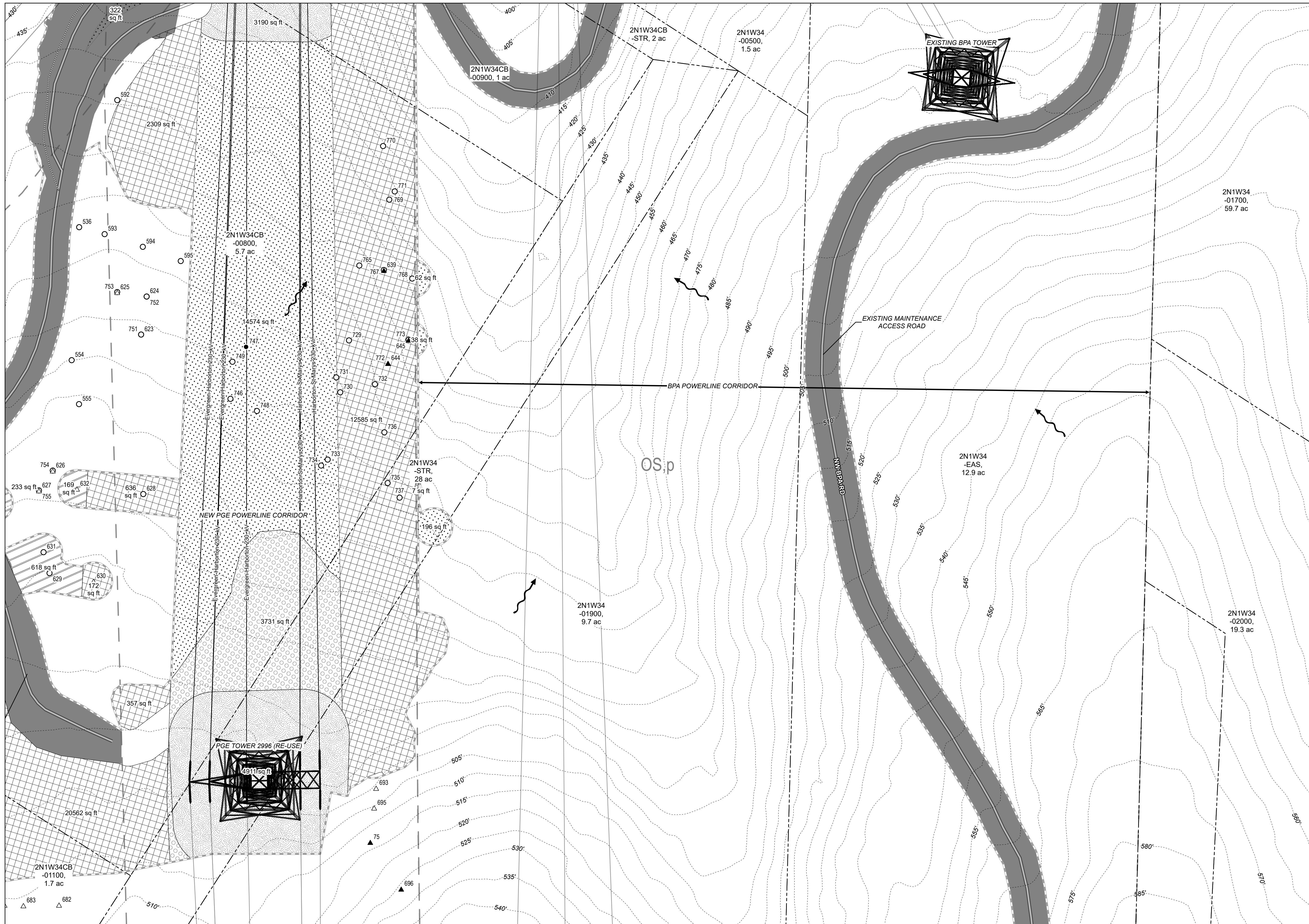
NOTES: See SHT. L324



0 20 40 Feet
1 inch equals 20 feet



MATCHLINE SEE SHEET L313



MATCHLINE SEE SHEET L314, L315

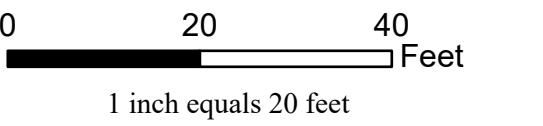
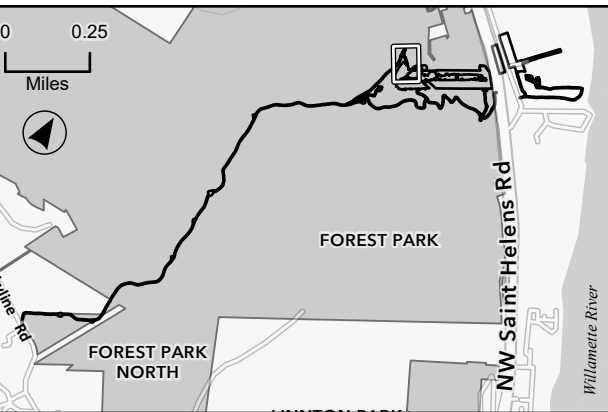


MATCHLINE SEE SHEET L312

- Legend**
- Limits of Disturbance
 - Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
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 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



MATCHLINE SEE SHEET L312



Mitigation Site Plan

Sheet 14 of 27

L314

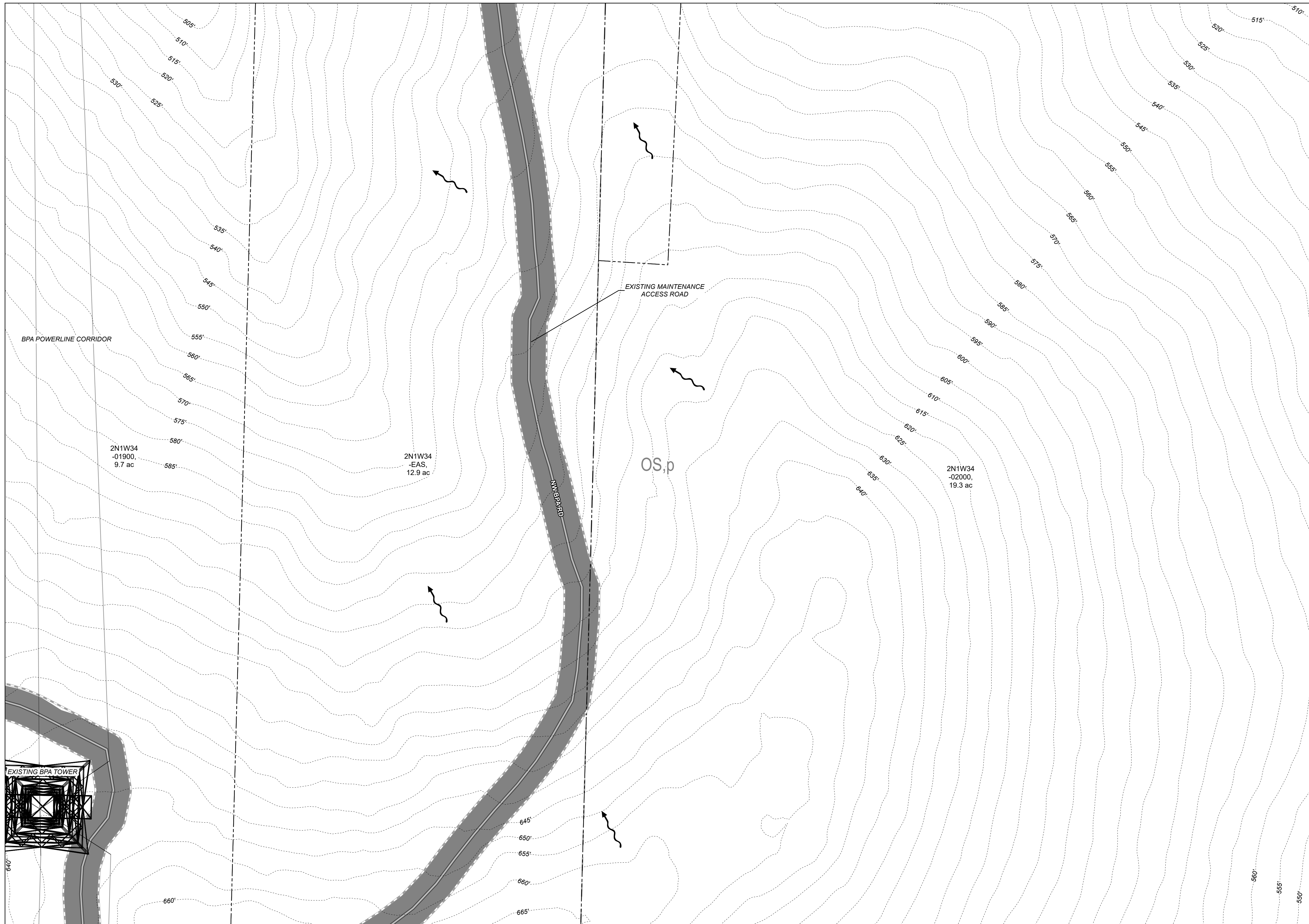
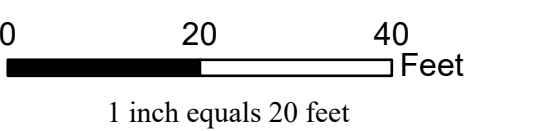
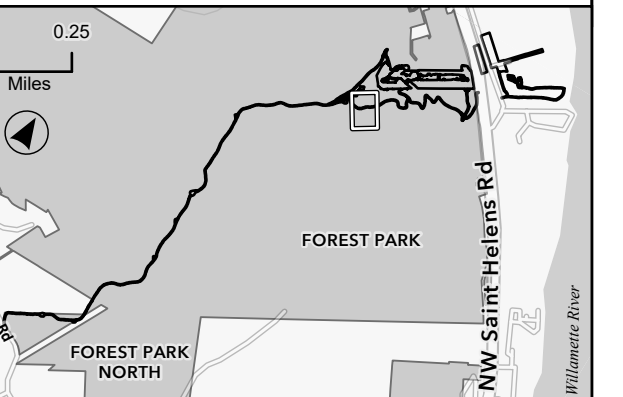
10/23/2024

Legend

- Limits of Disturbance
- Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
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 - Wetland Seed Mix
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 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads**
 - Existing Access Road Centerline
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 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
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 - Wetland/Ordinary High Water (OHW)
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 - Drainage Reserve Area
 - Drainage Flow
 - Culvert
 - 100-year Floodplain
 - Multnomah County Tax Lot
 - Zoning (City of Portland)
 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

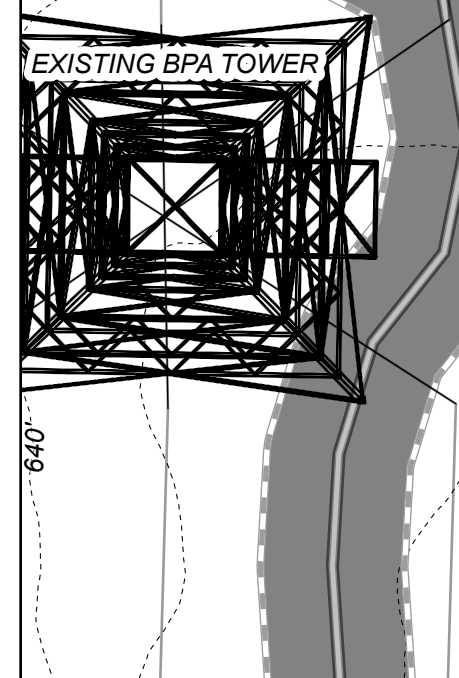
Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



MATCHLINE SEE SHEET L315

MATCHLINE SEE SHEET L316





Mitigation Site Plan

Sheet 15 of 27

L315

10/23/2024

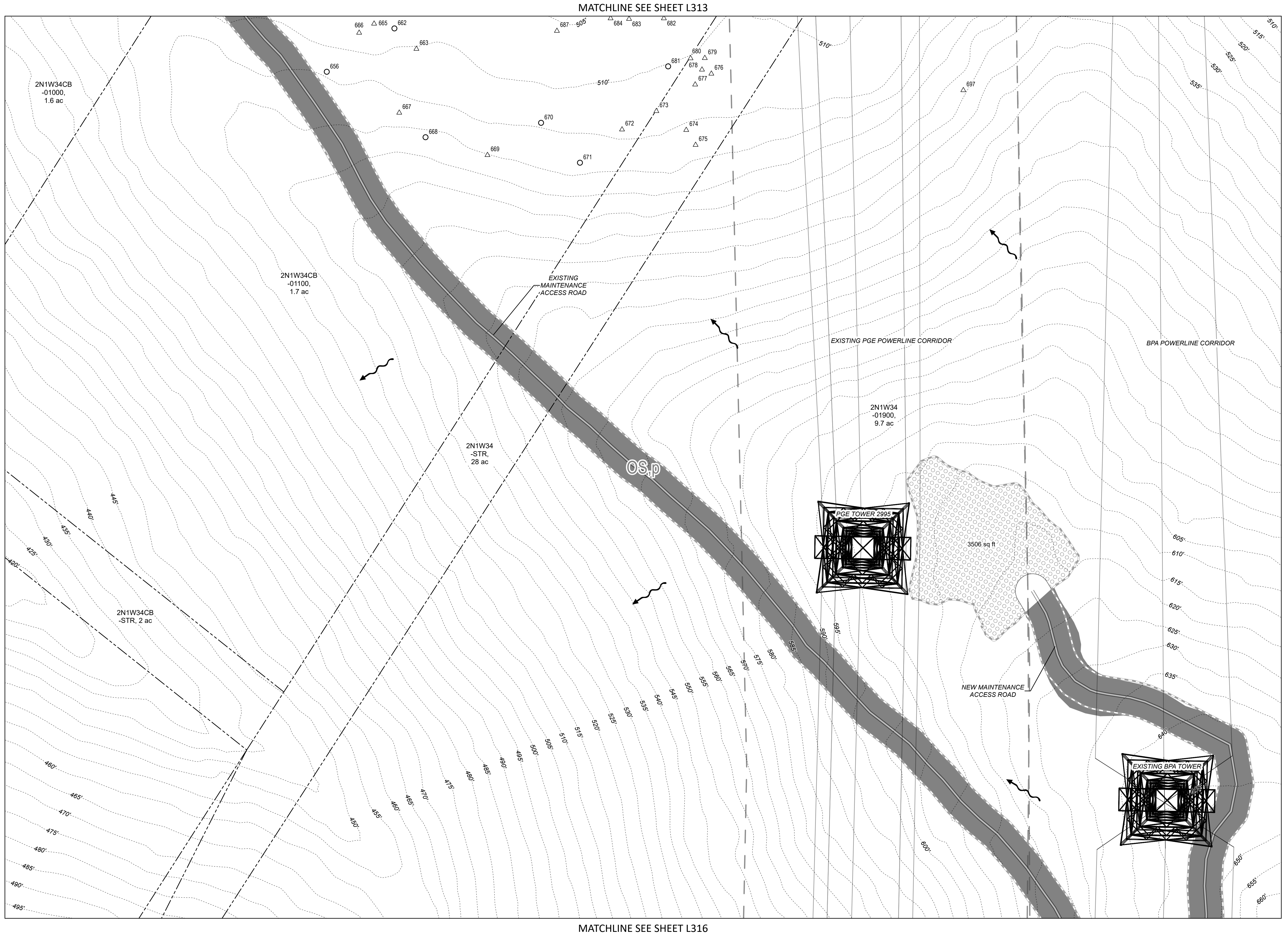
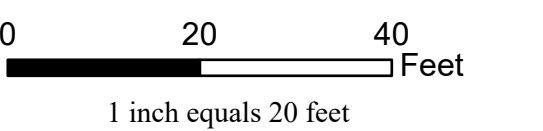
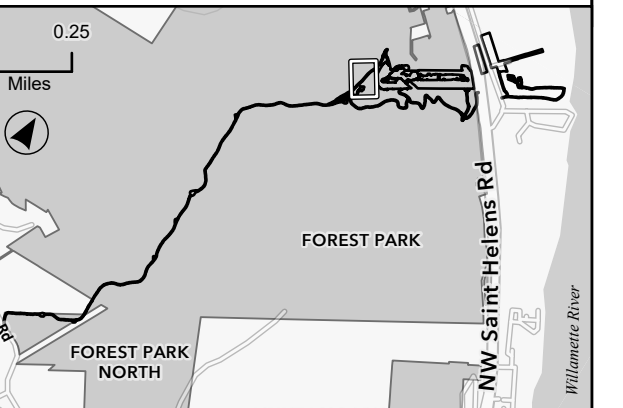
Legend

- Limits of Disturbance
- Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
- Surveyed Tree Location**
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads**
 - Existing Access Road Centerline
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 - Drainage Flow
 - Culvert
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 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324

MATCHLINE SEE SHEET L314



MATCHLINE SEE SHEET L313

MATCHLINE SEE SHEET L316

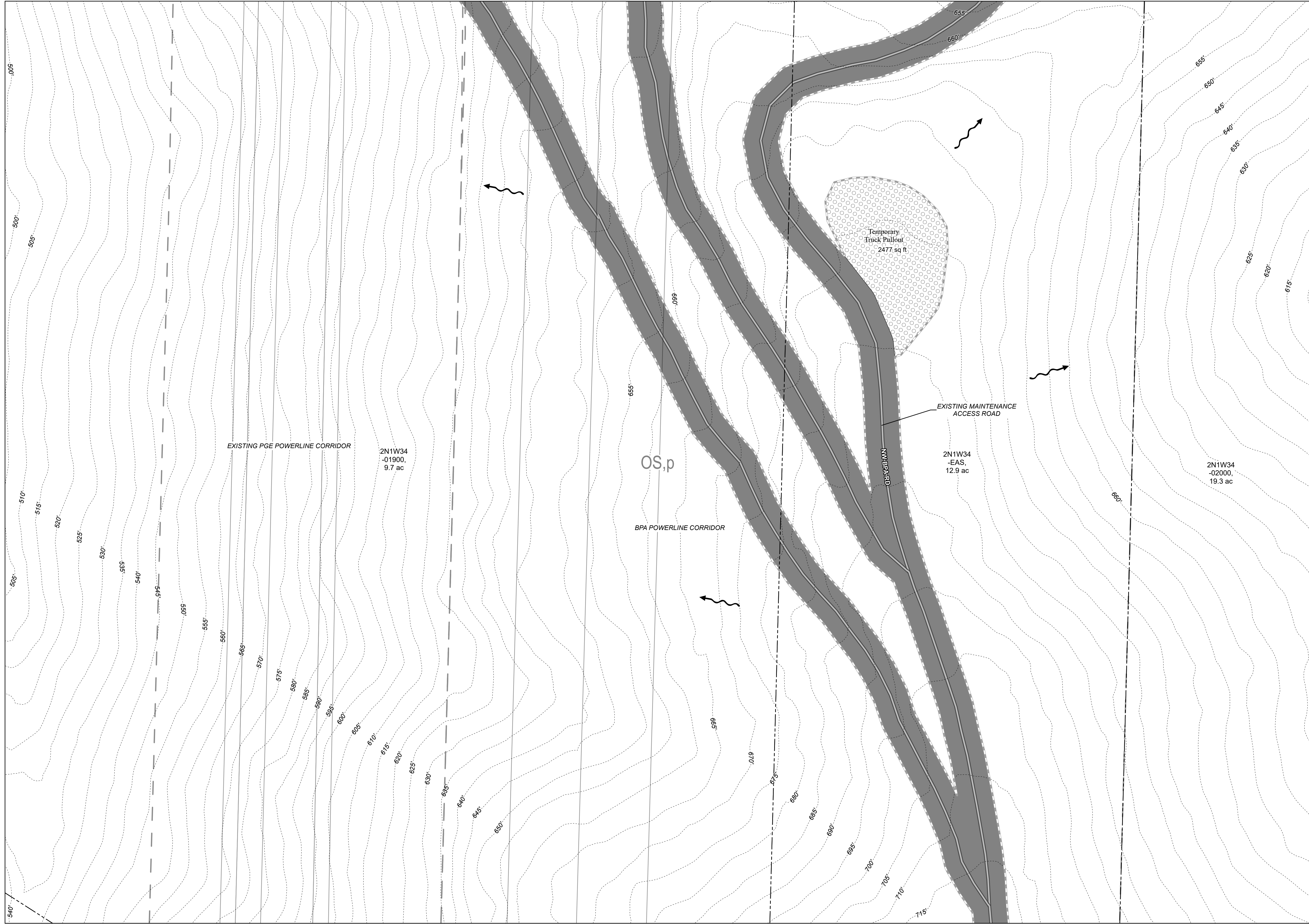


Mitigation Site Plan

Sheet 16 of 27

L316

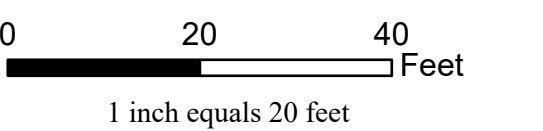
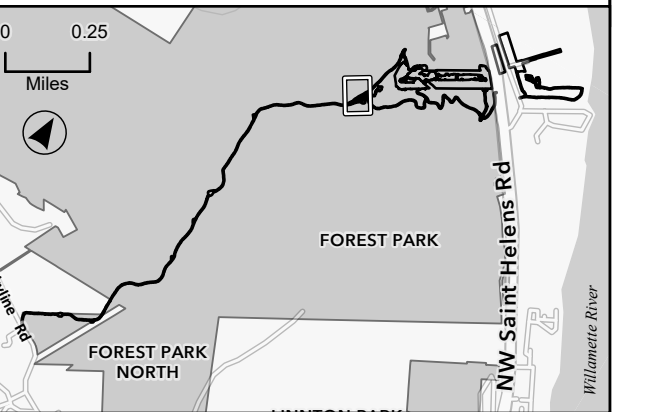
10/23/2024



- Legend**
- Limits of Disturbance
 - Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
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 - Medium Riparian Plant Community (75-ft maximum height)
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 - Erosion Control/Pollinator Seed Mix
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 - Surveyed Tree Location**
 - Existing Deciduous (Living)
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 - Existing Access Road Centerline
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 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324





Mitigation Site Plan

Sheet 17 of 27

L317

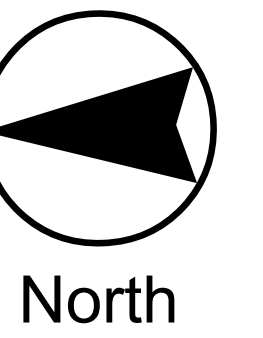
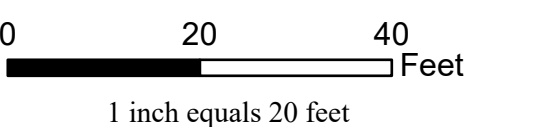
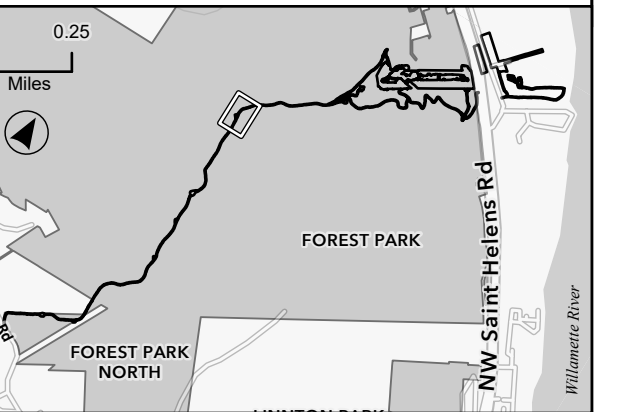
10/23/2024

Legend

- Limits of Disturbance
- Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
- Surveyed Tree Location**
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads**
 - Existing Access Road Centerline
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 - Drainage Flow
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 - Environmental Transition Zone
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Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324





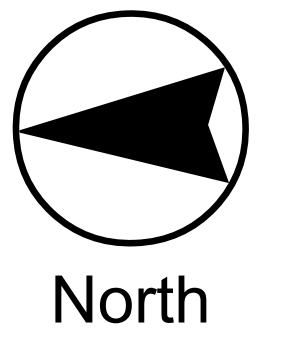
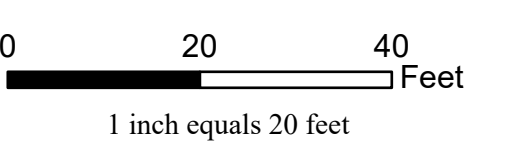
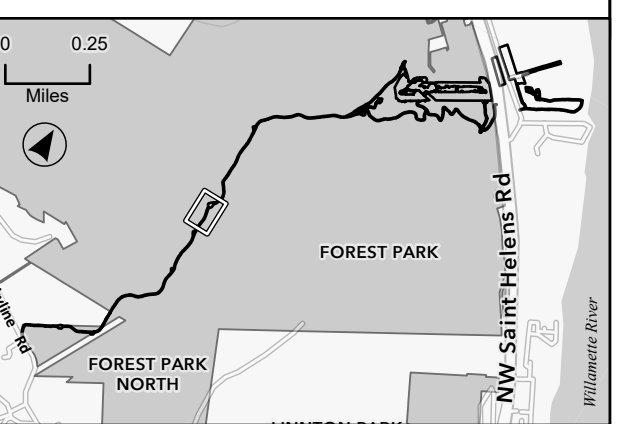
MATCHLINE SEE SHEET L319

Legend

- Limits of Disturbance
- Planting Plan
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
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 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



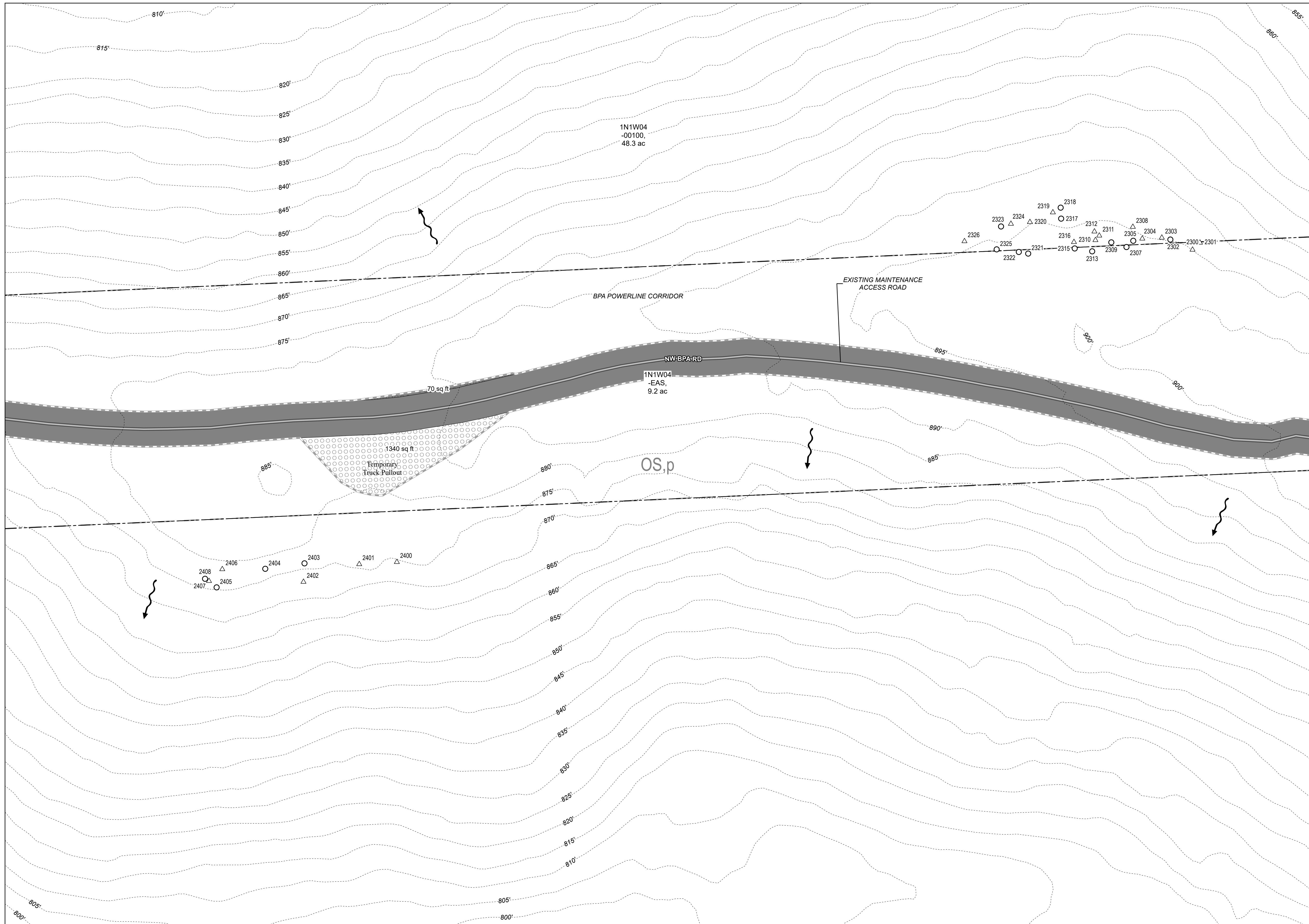
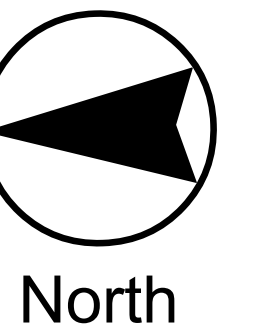
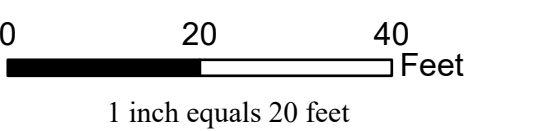
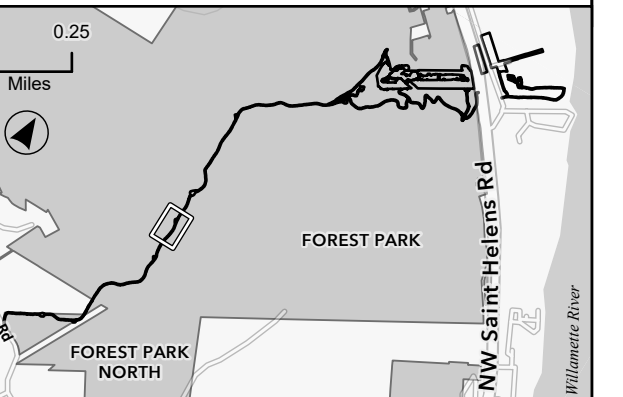


Legend

- Limits of Disturbance
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NOTES: See SHT. L324



MATCHLINE SEE SHEET L318

MATCHLINE SEE SHEET L320

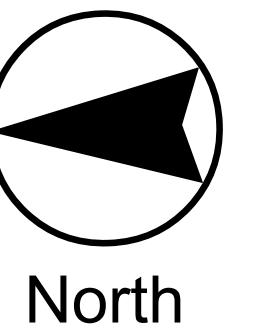
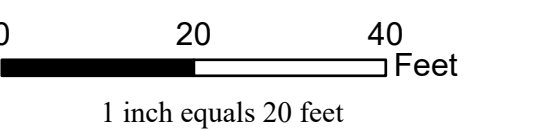


Legend

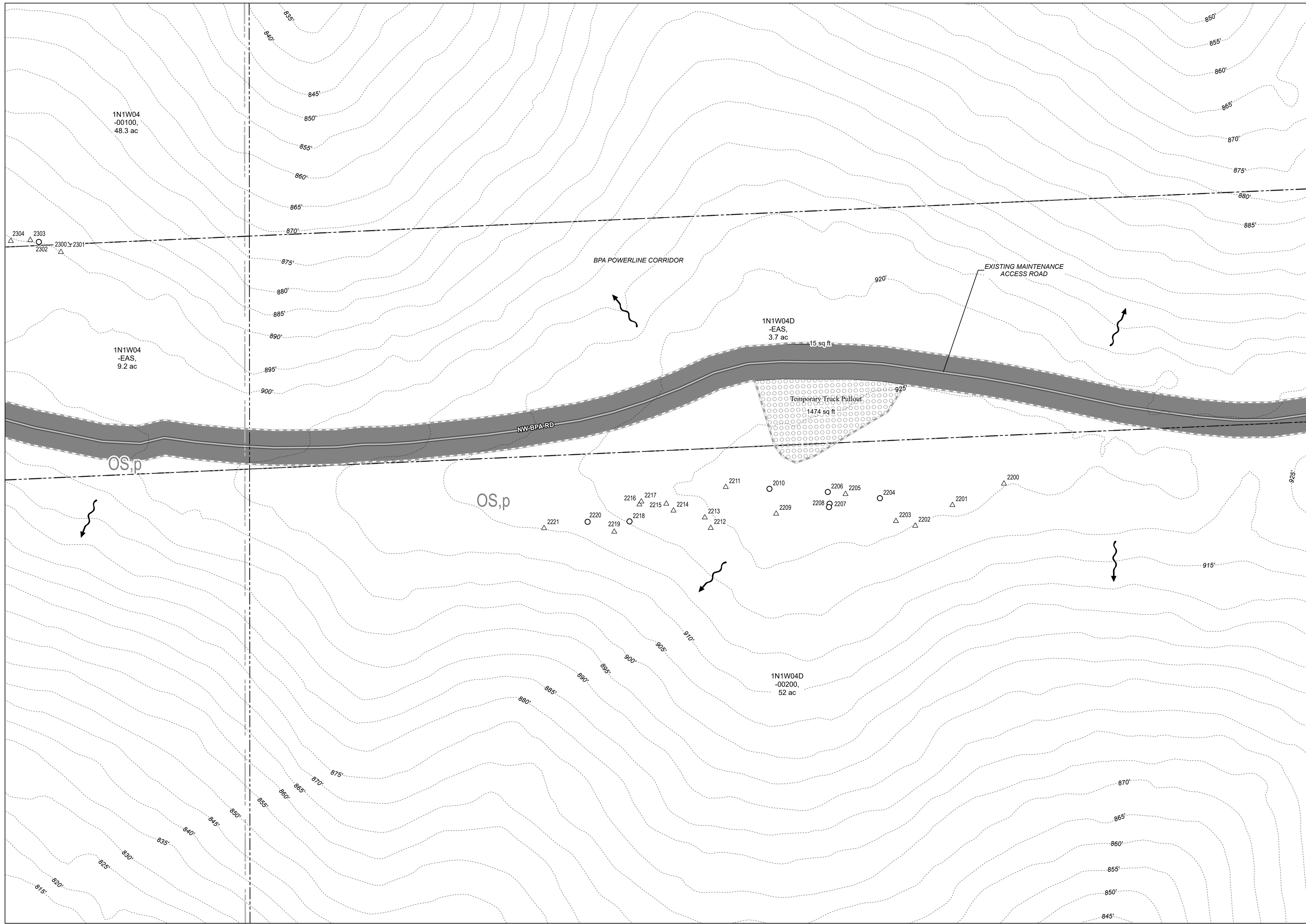
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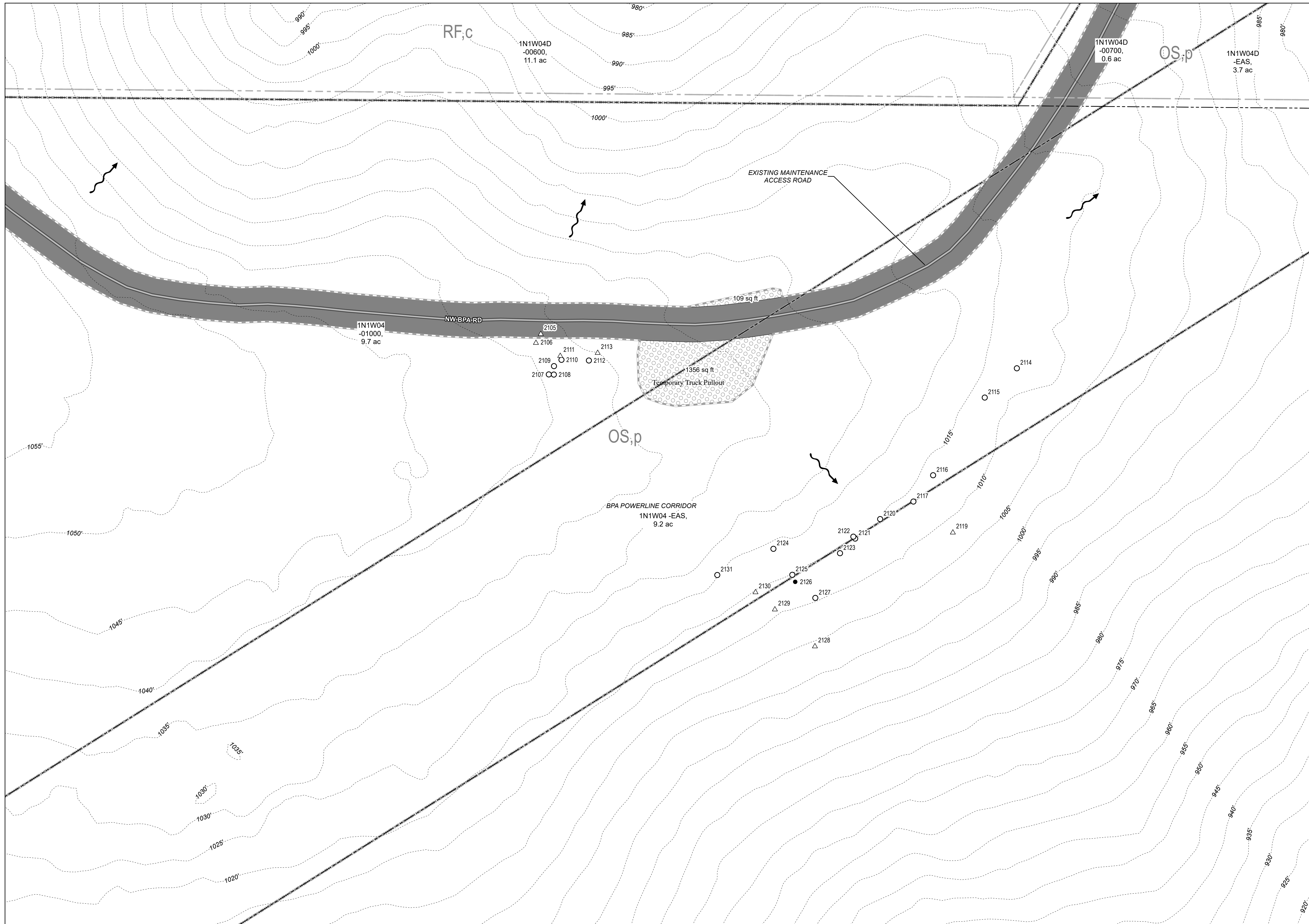
Area of Temporary Wetland Encroachment:
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Area of Temporary Disturbance in Greenway Setback:
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 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



MATCHLINE SEE SHEET L319



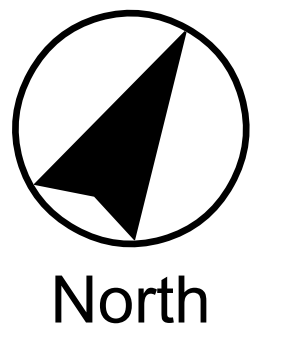
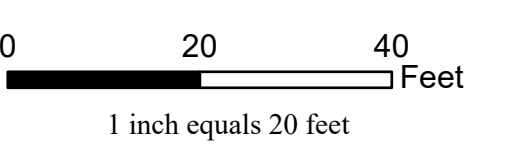
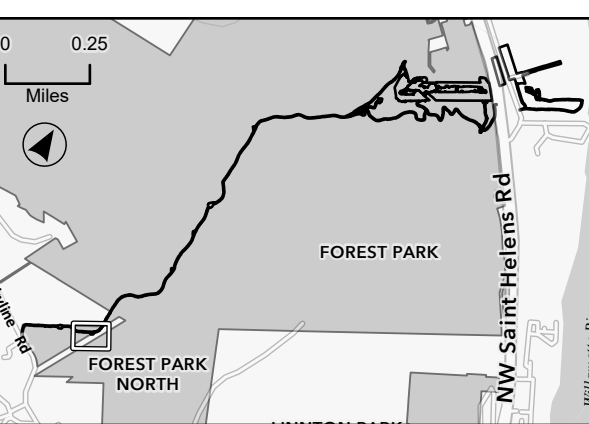


MATCHLINE SEE SHEET L322

- Legend**
- Limits of Disturbance
 - Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
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3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



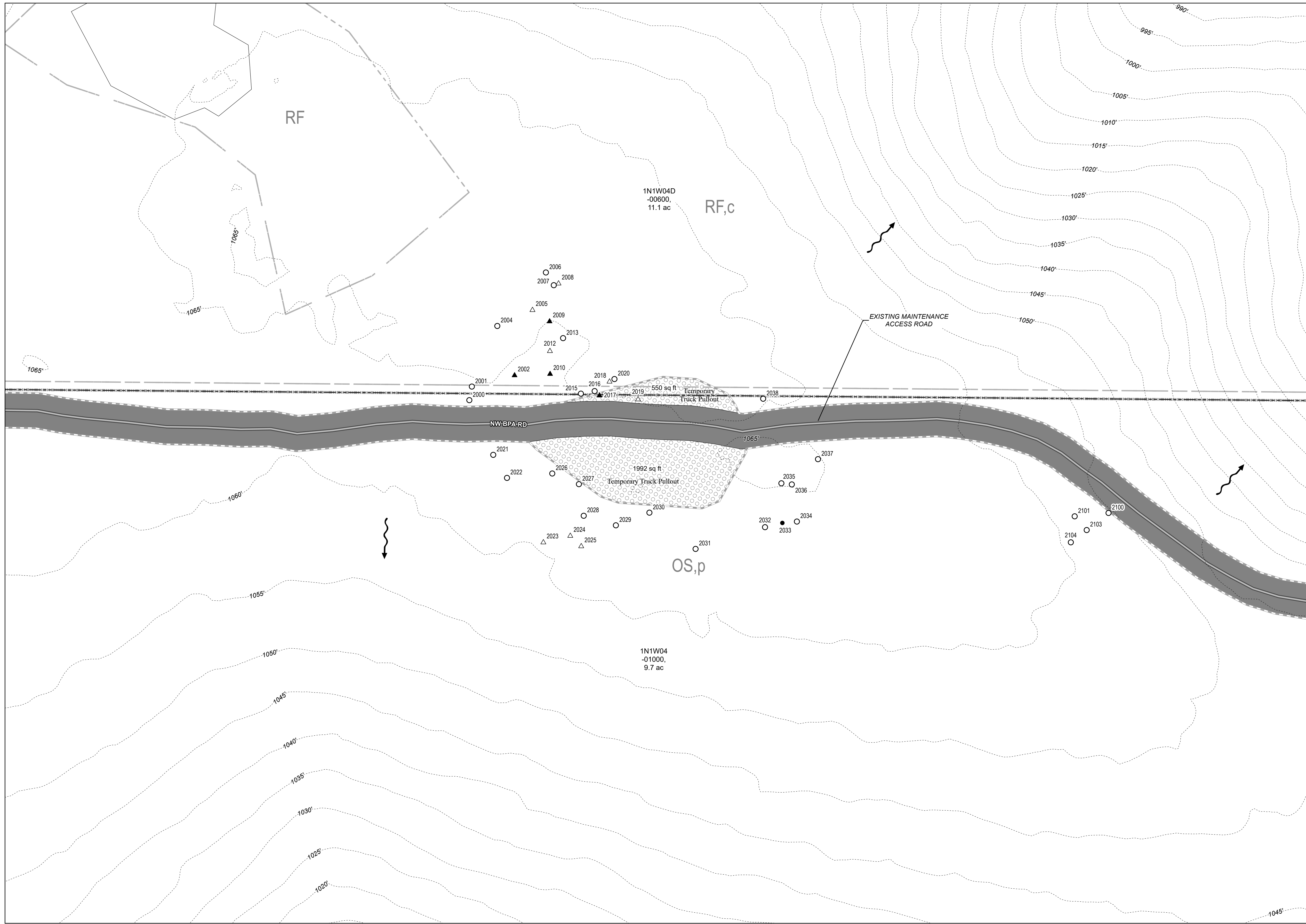
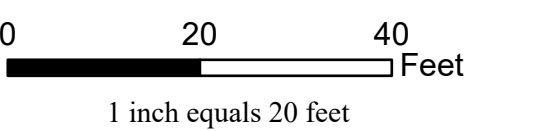
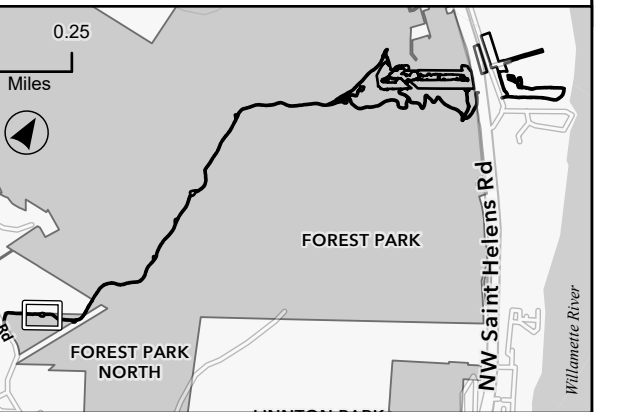


Legend

- Limits of Disturbance
- Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
- Surveyed Tree Location**
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads**
 - Existing Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Wetland/Ordinary High Water (OHW)
 - Greenway Setback (50-ft)
 - Drainage Reserve Area
 - Drainage Flow
 - Culvert
 - 100-year Floodplain
 - Multnomah County Tax Lot
 - Zoning (City of Portland)
 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324



MATCHLINE SEE SHEET L121

MATCHLINE SEE SHEET L323



Mitigation Site Plan

Sheet 23 of 27

L323

10/23/2024

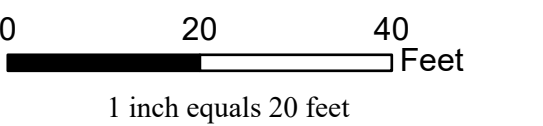
Legend

- Limits of Disturbance
- Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
- Surveyed Tree Location**
 - Existing Deciduous (Living)
 - Existing Deciduous (Dead)
 - Existing Conifer (Living)
 - Existing Conifer (Dead)
- Access Roads**
 - Existing Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Wetland/Ordinary High Water (OHW)
 - Greenway Setback (50-ft)
 - Drainage Reserve Area
 - Drainage Flow
 - Culvert
 - 100-year Floodplain
 - Multnomah County Tax Lot
 - Zoning (City of Portland)
 - Powerline Corridor
 - Environmental Transition Zone
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
 Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES: See SHT. L324

MATCHLINE SEE SHEET L322



PLANTING SCHEDULE - TALL UPLAND PLANT COMMUNITY (NO MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Trees:						
<i>Acer macrophyllum</i>	Bigleaf Maple	Seedling	10' o.c.	7	90' ht.*	75' mature spread*; Locate min. 113' from powerlines
<i>Arbutus menziesii</i>	Pacific Madrone	Seedling	10' o.c.	7	50' ht.*	50' mature spread*; Locate min. 75' from powerlines
<i>Cornus nuttallii</i>	Western Flowering Dogwood	Seedling	10' o.c.	7	40' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Crataegus douglasii</i>	Douglas Hawthorn	Seedling	10' o.c.	7	40' ht.	20' mature spread; Locate min. 30' from powerlines
<i>Malus fusca</i>	Western Crabapple	Seedling	10' o.c.	7	30' ht.*	35' mature spread*; Locate min. 53' from powerlines
<i>Prunus emarginata</i>	Bitter Cherry	Seedling	10' o.c.	7	45' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Quercus garryana</i>	Oregon White Oak	Seedling	10' o.c.	53	65' ht.*	45' mature spread*; Locate min. 68' from powerlines
<i>Taxus brevifolia</i>	Pacific Yew	Seedling	10' o.c.	Text	40' ht.*	30' mature spread*; Locate min. 45' from powerlines
Shrubs:						
<i>Acer circinatum</i>	Vine Maple	1 Gal.	8' o.c.	46	25' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Amelanchier alnifolia</i>	Western Serviceberry	1 Gal.	5' o.c.	48	4-12' ht.*	
<i>Berberis aquifolium</i>	Tall Oregon Grape	1 Gal.	3' o.c.	46	5-6' ht.*	
<i>Corylus cornuta ssp. Californica</i>	California Hazelnut	1 Gal.	5' o.c.	46	3-12' ht.*	
<i>Gaultheria shallon</i>	Salal	1 Gal.	3' o.c.	46	1-5' ht.*	
<i>Holodiscus discolor</i>	Oceanspray	1 Gal.	5' o.c.	46	8-12' ht.*	
<i>Oemleria cerasiformis</i>	Indian Plum	1 Gal.	5' o.c.	46	8-15' ht.*	
<i>Philadelphus lewisii</i>	Mockorange	1 Gal.	5' o.c.	46	6-12' ht.*	
<i>Ribes sanguineum</i>	Red Currant	1 Gal.	4' o.c.	46	3-9' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	46	4-10' ht.*	
<i>Rosa woodsii</i>	Woods' Rose	1 Gal.	5' o.c.	46	2-10' ht.	
<i>Rubus parviflorus</i>	Thimbleberry	1 Gal.	3' o.c.	46	3-6' ht.*	
<i>Sambucus racemosa var. arborescens</i>	Red Elderberry	1 Gal.	5' o.c.	46	10-20' ht.*	
<i>Symphoricarpos albus</i>	Common Snowberry	1 Gal.	3' o.c.	46	1-3' ht.*	
Seeding				Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix (See Seeding Schedule)		
				0.53 AC		

* According to Portland Plant List

PLANTING SCHEDULE - MEDIUM UPLAND PLANT COMMUNITY (75' MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Trees:						
<i>Cornus nuttallii</i>	Western Flowering Dogwood	Seedling	10' o.c.	69	40' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Crataegus douglasii</i>	Douglas Hawthorn	Seedling	10' o.c.	69	40' ht.	20' mature spread; Locate min. 30' from powerlines
<i>Malus fusca</i>	Western Crabapple	Seedling	10' o.c.	69	30' ht.*	35' mature spread*; Locate min. 53' from powerlines
<i>Prunus emarginata</i>	Bitter Cherry	Seedling	10' o.c.	69	30' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Quercus garryana</i>	Oregon White Oak	Seedling	10' o.c.	345	65' ht.*	45' mature spread*; Locate min. 68' from powerlines
<i>Taxus brevifolia</i>	Pacific Yew	Seedling	10' o.c.	69	40' ht.*	30' mature spread*; Locate min. 45' from powerlines
Shrubs:						
<i>Acer circinatum</i>	Vine Maple	1 Gal.	8' o.c.	365	25' ht.*	20' mature spread*; Locate min. 30' from powerlines
<i>Amelanchier alnifolia</i>	Western Serviceberry	1 Gal.	5' o.c.	366	4-12' ht.*	
<i>Berberis aquifolium</i>	Tall Oregon Grape	1 Gal.	3' o.c.	366	5-6' ht.*	
<i>Corylus cornuta ssp. Californica</i>	California Hazelnut	1 Gal.	5' o.c.	366	3-12' ht.*	
<i>Gaultheria shallon</i>	Salal	1 Gal.	3' o.c.	366	1-5' ht.*	
<i>Holodiscus discolor</i>	Oceanspray	1 Gal.	5' o.c.	366	8-12' ht.*	
<i>Ribes sanguineum</i>	Red Currant	1 Gal.	4' o.c.	366	3-9' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	366	4-10' ht.*	
<i>Rosa woodsii</i>	Woods' Rose	1 Gal.	5' o.c.	366	2-10' ht.	
<i>Rubus parviflorus</i>	Thimbleberry	1 Gal.	3' o.c.	366	3-6' ht.*	
<i>Sambucus racemosa var. arborescens</i>	Red Elderberry	1 Gal.	5' o.c.	366	10-20' ht.*	
<i>Symphoricarpos albus</i>	Common Snowberry	1 Gal.	3' o.c.	366	1-3' ht.*	
Seeding				Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix (See Seeding Schedule)		
				3.60 AC		

* According to Portland Plant List

PLANTING SCHEDULE - LOW UPLAND PLANT COMMUNITY (15' MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Shrubs:						
<i>Amelanchier alnifolia</i>	Western Serviceberry	1 Gal.	5' o.c.	264	4-12' ht.*	
<i>Berberis aquifolium</i>	Tall Oregon Grape	1 Gal.	3' o.c.	264	5-6' ht.*	
<i>Corylus cornuta ssp. Californica</i>	California Hazelnut	1 Gal.	5' o.c.	264	3-12' ht.*	
<i>Gaultheria shallon</i>	Salal	1 Gal.	3' o.c.	264	1-5' ht.*	
<i>Ribes sanguineum</i>	Red Currant	1 Gal.	4' o.c.	264	3-9' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	264	4-10' ht.*	
<i>Rubus parviflorus</i>	Thimbleberry	1 Gal.	3' o.c.	263	3-6' ht.*	
<i>Symphoricarpos albus</i>	Common Snowberry	1 Gal.	3' o.c.	263	1-3' ht.*	
Seeding				Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix (See Seeding Schedule)		
				1.73 AC		

* According to Portland Plant List

PLANTING SCHEDULE - UPLAND SHRUB PLANT COMMUNITY

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Shrubs:						
<i>Acer circinatum</i>	Vine Maple	1 Gal.	8' o.c.	104	25' ht.*	Locate min. 30' from powerlines
<i>Berberis nervosa</i>	Cascade Oregon Grape	1 Gal.	3' o.c.	104	2' ht.*	
<i>Ceanothus sanguineus</i>	Oregon Tea-tree	1 Gal.	3' o.c.	104	2-6' ht.*	
<i>Corylus cornuta ssp. Californica</i>	California Hazelnut	1 Gal.	5' o.c.	104	3-12' ht.*	
<i>Gaultheria shallon</i>	Salal	1 Gal.	3' o.c.	104	1-5' ht.*	
<i>Ribes sanguineum</i>	Red Currant	1 Gal.	4' o.c.	104	3-9' ht.*	
<i>Rubus parviflorus</i>	Thimbleberry	1 Gal.	3' o.c.	105	3-6' ht.*	
<i>Sambucus racemosa var. arborescens</i>	Red Elderberry	1 Gal.	5' o.c.	105	10-20' ht.*	Locate min. 30' from powerlines
<i>Symphoricarpos albus</i>	Common Snowberry	1 Gal.	3' o.c.	105	1-3' ht.*	
Seeding				Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix (See Seeding Schedule)		
				0.77 AC		

* According to Portland Plant List

PLANTING SCHEDULE - TALL RIPARIAN PLANT COMMUNITY (NO MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Trees:						
<i>Alnus rubra</i>	Red Alder	Seedling	10' o.c.	3	100' ht.	40' mature spread*; Locate min. 60' from powerlines
<i>Thuja plicata</i>	Western Red Cedar	Seedling	10' o.c.	3	100' ht.	30' mature spread*; Locate min. 45' from powerlines
Shrubs:						
<i>Berberis nervosa</i>	Cascade Oregon Grape	1 Gal.	2' o.c.	8	2' ht.*	
<i>Cornus sericea</i>	Redosier Dogwood	1 Gal.	5' o.c.	8	6-18' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	7	4-10' ht.*	
<i>Rubus spectabilis</i>	Salmonberry	1 Gal.	5' o.c.	7	4-10' ht.*	
<i>Vaccinium parvifolium</i>	Red Huckleberry	1 Gal.	5' o.c.	7	3-8' ht.*	
Seeding				Permanent Seeding, Mix No. 2 - Wetland Seed Mix (See Seeding Schedule)		
				0.08 AC		

* According to Portland Plant List

PLANTING SCHEDULE - MEDIUM RIPARIAN PLANT COMMUNITY (75' MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Trees:						
<i>Crataegus douglasii</i>	Douglas Hawthorn	Seedling	10' o.c.	13	40' ht.	20' mature spread; Locate min. 30' from powerlines
<i>Scouler Willow</i>	Salix scouleriana	Seedling	10' o.c.	12	40' ht.	40' mature spread*; Locate min. 60' from powerlines
Shrubs:						
<i>Berberis nervosa</i>	Cascade Oregon Grape	1 Gal.	2' o.c.	32	2' ht.*	
<i>Cornus sericea</i>	Redosier Dogwood	1 Gal.	5' o.c.	32	6-18' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	32	4-10' ht.*	
<i>Rubus spectabilis</i>	Salmonberry	1 Gal.	5' o.c.	32	4-10' ht.*	
<i>Vaccinium parvifolium</i>	Red Huckleberry	1 Gal.	5' o.c.	31	3-8' ht.*	
Seeding				Permanent Seeding, Mix No. 2 - Wetland Seed Mix (See Seeding Schedule)		
				0.15 AC		

* According to Portland Plant List

PLANTING SCHEDULE - LOW RIPARIAN PLANT COMMUNITY (15' MAXIMUM HEIGHT)

Botanical Name	Common Name	Size	Spacing	Quantity	Mature Height	Notes
Shrubs:						
<i>Berberis nervosa</i>	Cascade Oregon Grape	1 Gal.	2' o.c.	135	2' ht.*	
<i>Rosa nutkana</i>	Nootka Rose	1 Gal.	5' o.c.	134	4-10' ht.*	
<i>Rubus spectabilis</i>	Salmonberry	1 Gal.	5' o.c.	134	4-10' ht.*	
<i>Vaccinium parvifolium</i>	Red Huckleberry	1 Gal.	5' o.c.	134	3-8' ht.*	
Seeding				Permanent Seeding, Mix No. 2 - Wetland Seed Mix (See Seeding Schedule)		
				0.44 AC		

* According to Portland Plant List

PLANTING SCHEDULE - EROSION CONTROL / POLLINATOR SUPPORT SEED MIX

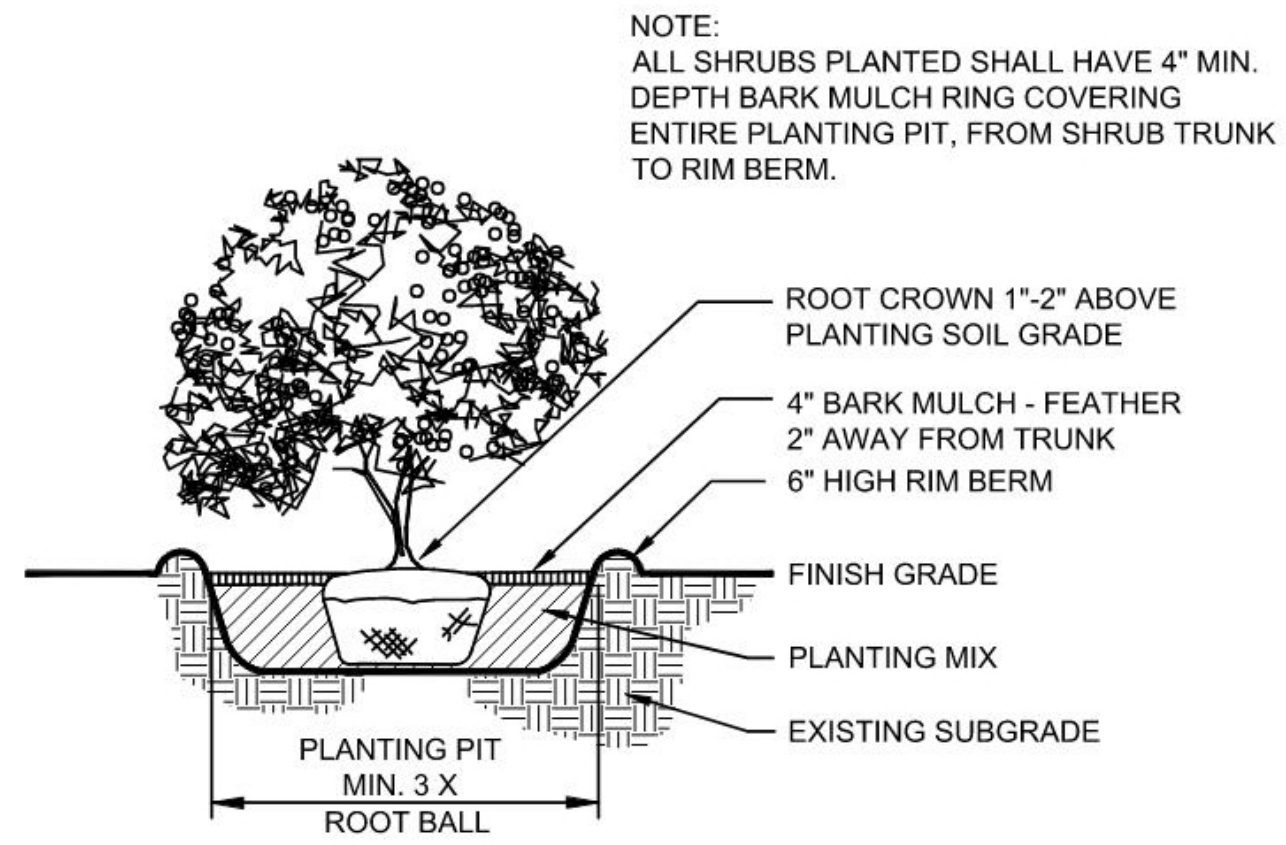
Seeding	Quantity
Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix (See Seeding Schedule, Sht. L326)	0.53 AC**

** Does not include seeding quantities within Plant Communities

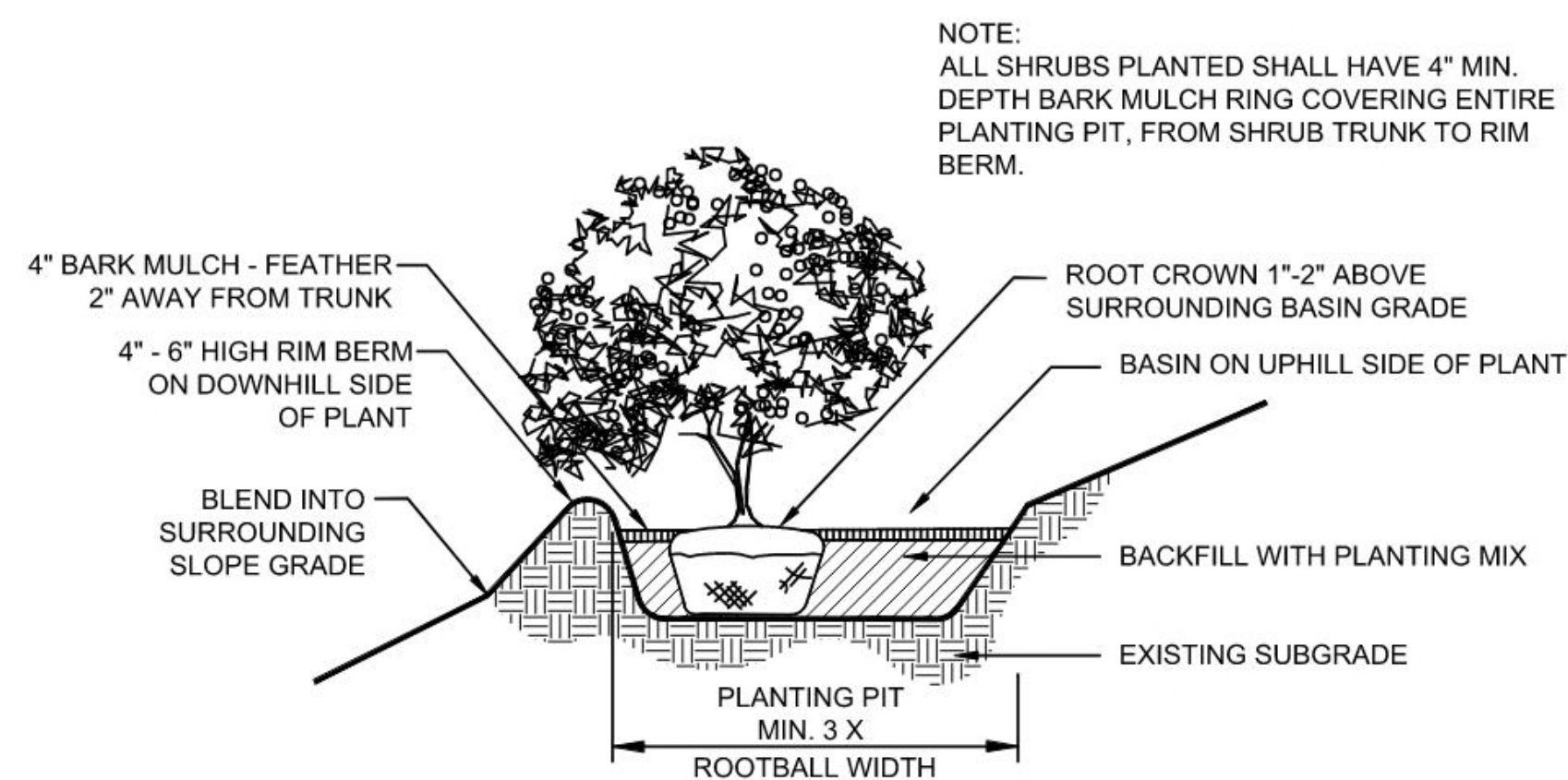
PLANTING SCHEDULE - WETLAND SEED MIX

Seeding	Quantity
Permanent Seeding, Mix No. 2 - Wetland Seed Mix (See Seeding Schedule, Sht. L326)	0.32 AC**

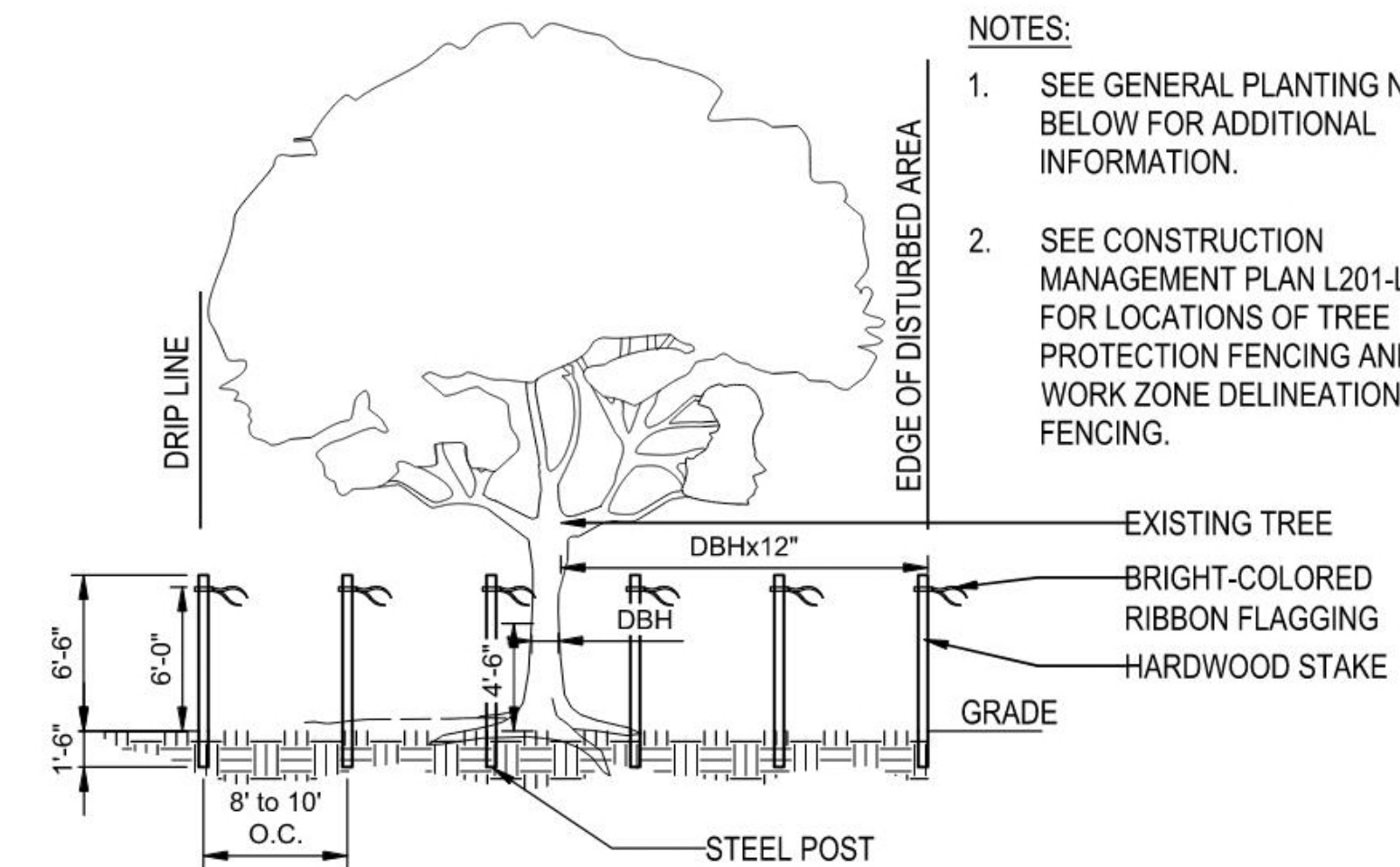
** Does not include seeding quantities within Plant Communities



1 SHRUB IN PLANTING PIT
SCALE: NOT TO SCALE



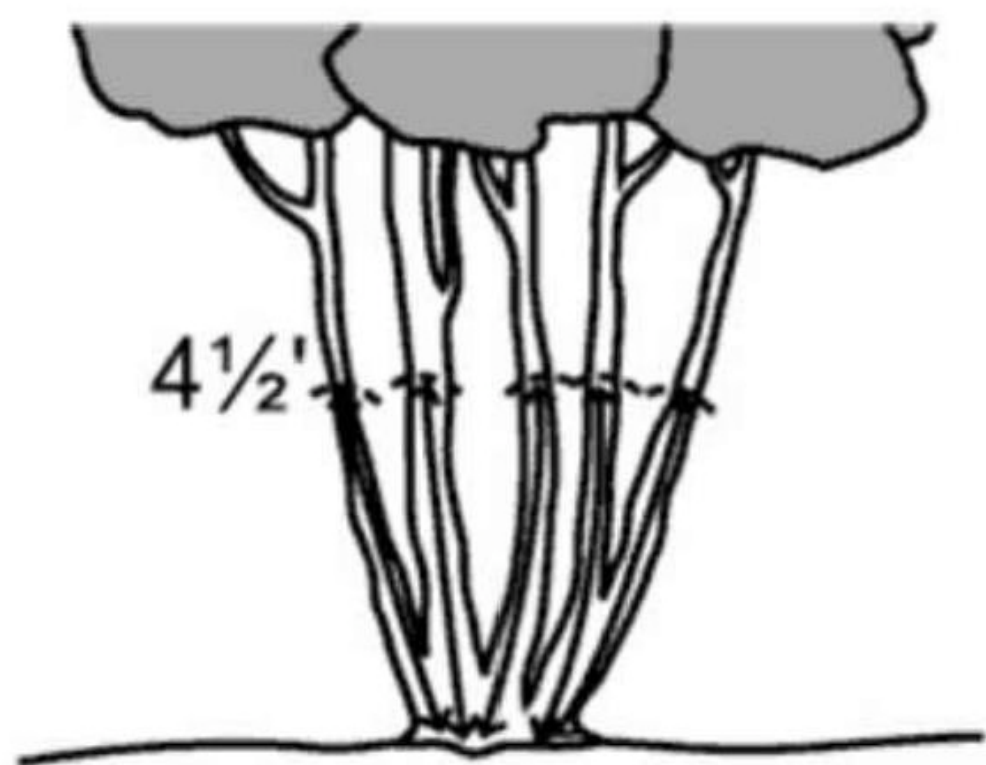
2 SLOPE PLANTING WITH PLANTING PIT
SCALE: NOT TO SCALE



3 PORTLAND TREE PROTECTION AND WORK ZONE DELINEATION
SCALE: NOT TO SCALE

- NOTES:
1. SEE GENERAL PLANTING NOTES BELOW FOR ADDITIONAL INFORMATION.
 2. SEE CONSTRUCTION MANAGEMENT PLAN L201-L223 FOR LOCATIONS OF TREE PROTECTION FENCING AND WORK ZONE DELINEATION FENCING.

Figure 80-7
Measuring Multi-stemmed Trees



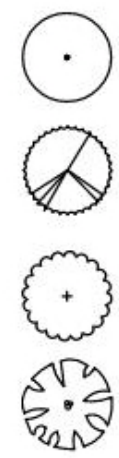
GENERAL SHEET NOTES:

1. SEE CONSTRUCTION MANAGEMENT PLAN SET FOR TREE PROTECTION FENCING.
2. CONTROL NOXIOUS AND INVASIVE VEGETATION THROUGHOUT PLANTING AREA PRIOR TO SEEDING AND PLANTING.
3. ALL DISTURBED AREAS ARE TO BE REPLANTED. LIMITS SHOWN ON PLANS ARE SCHEMATIC AND MAY NEED TO BE FIELD-ADJUSTED BASED ON ACTUAL LIMITS OF DISTURBANCE.
4. SEE PLANTING SCHEDULES, SHT. L326.
5. INSTALL PERMANENT SEEDING, MIX NO. 1 ALONG ALL ACCESS ROADS WHERE DISTURBANCE OCCURS. SEE SEEDING SCHEDULE, SHT. L324.
6. ROOT PROTECTION ZONE IS CALCULATED BY DBH X 1-FT. THEREFORE, A 6-IN DBH TREE HAS A ROOT PROTECTION ZONE OF 6-FT IN DIAMETER. ONLY ROOT PROTECTION ZONES FOR TREES TO BE PROTECTED ARE SHOWN.
7. ALL TREES WITH A DBH LESS THAN 6-IN ARE NOT SHOWN ON THESE PLANS. ONLY TREES TO BE PROTECTED ARE SHOWN.
8. LOGGING HAUL ROUTE WILL BECOME TRAIL FOR FUTURE MAINTENANCE OF LANDSCAPING. TRAIL CAN CONTAIN HARDY, LOW-GROWING SHRUBS THAT CAN WITHSTAND OCCASIONAL ATV TRAFFIC.
9. PLACE UP TO 10% OF WOODY DEBRIS ALONG STREAM BANKS IN CONTACT WITH SOIL.

GENERAL PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
2. ALL PLANT MATERIAL SHALL BE CONTAINER GROWN, BALLED AND BURLAPPED, OR BARE-ROOT PLANT STOCK AS INDICATED IN THE PLANTING SCHEDULE.
3. ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD MEETING ALL AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS.
4. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
7. THE OWNER SHALL BE RESPONSIBLE FOR MONITORING PLANT MATERIALS FOR TWO YEARS, OR FOR THE PERIOD OF TIME REQUIRED BY THE CITY. ALL PLANTS THAT HAVE DIED AT THE END OF THE ESTABLISHMENT PERIOD WILL BE REPLACED PER THE DRAWINGS.
8. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS ON THE PLANT SCHEDULE OF THE DESIGN DOCUMENTS.
9. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
11. THIS PLAN DOES NOT PRESENT ANY TEMPORARY STABILIZATION MEASURES REQUIRED FOR EROSION CONTROL. SEE CONSTRUCTION MANAGEMENT SITE PLAN, SHEETS L201-L225.
12. WATER ALL PLANT MATERIALS FOLLOWING PLANTING, PER STATEMENT OF SCOPE OF WORK (SOW).
13. NEW PLANTING WILL BE INSTALLED BETWEEN OCTOBER 1ST AND MARCH 31ST USING HAND TOOLS ONLY.
14. NEW PLANTINGS WILL BE MONITORED AND MAINTAINED AS NEEDED PER RECOMMENDATIONS BY PGE LANDSCAPE ARCHITECT STAFF TO PROMOTE SURVIVAL OF THE PLANTS. ANY PLANTS THAT DO NOT SURVIVE WILL BE REPLACED 1 TO 1 WITH SAME SIZE AND NATIVE SPECIES TO BE APPROVED BY PGE LANDSCAPE ARCHITECT.

TREES*



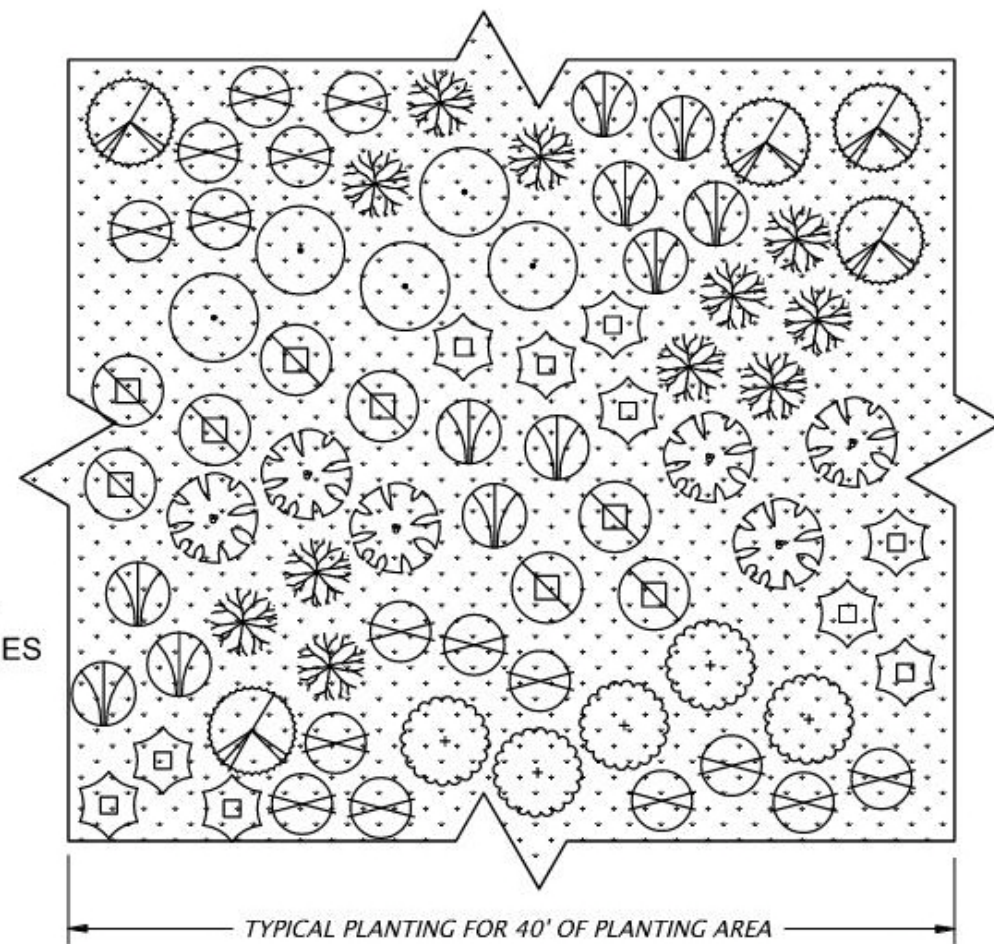
SHRUBS*



*SYMBOLS REPRESENT GENERIC PLANTS SPECIES

TREE AND SHRUB LAYOUT NOTES:

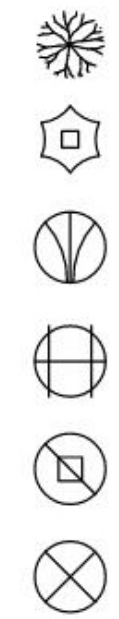
1. PLANTING ENLARGEMENT IS REPRESENTATIVE OF PLANTING. TO BE USED AS REFERENCE ONLY.
2. SEE PLANT SCHEDULES FOR TREE AND SHRUB SPECIES.
3. SHRUBS AND TREES TO BE PLANTED IN SAME-SPECIES CLUSTERS OF 5-7 DISTRIBUTED THROUGHOUT THE PLANTING AREA.
4. SEE PLANT SCHEDULES FOR TREE AND SHRUB SPACING.
5. THIS DETAIL IS TO SHOW THE GENERAL LAYOUT OF SHRUBS IN THE TALL AND MEDIUM UPLAND PLANTING AREAS.



TALL AND MEDIUM UPLAND PLANT LAYOUT DETAIL

SCALE: 1" = 10'-0"

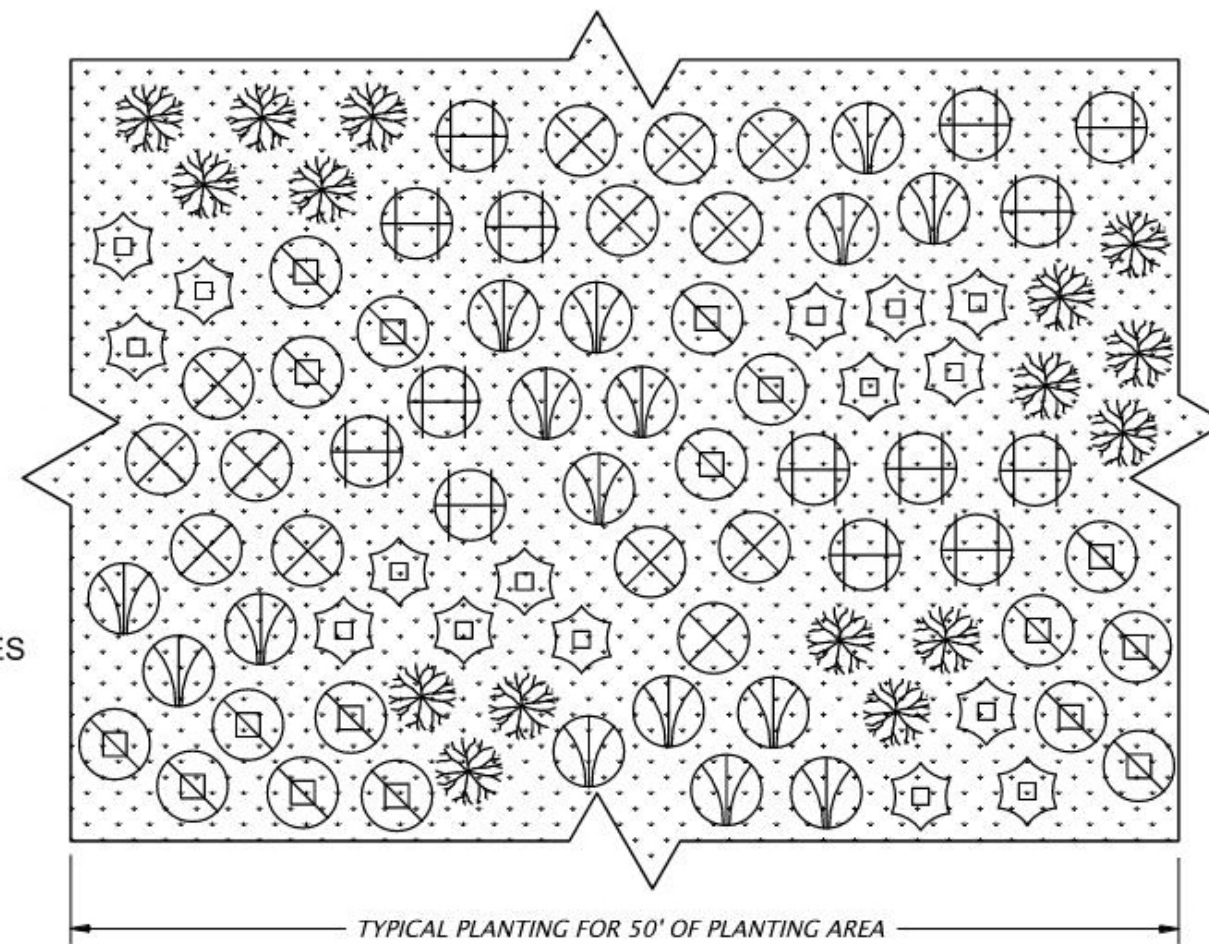
SHRUBS*



*SYMBOLS REPRESENT GENERIC PLANTS SPECIES

SHRUB LAYOUT NOTES:

1. PLANTING ENLARGEMENT IS REPRESENTATIVE OF PLANTING. TO BE USED AS REFERENCE ONLY.
2. SEE PLANT SCHEDULES FOR SHRUB SPECIES AND SPACING.
3. SHRUBS TO BE PLANTED IN SAME-SPECIES CLUSTERS OF 5-7 DISTRIBUTED THROUGHOUT THE PLANTING AREA.
4. THIS DETAIL IS TO SHOW THE GENERAL LAYOUT OF SHRUBS IN THE UPLAND AND LOW UPLAND PLANTING AREAS.



UPLAND AND LOW UPLAND PLANT LAYOUT DETAIL

SCALE: 1" = 10'-0"

TREES*



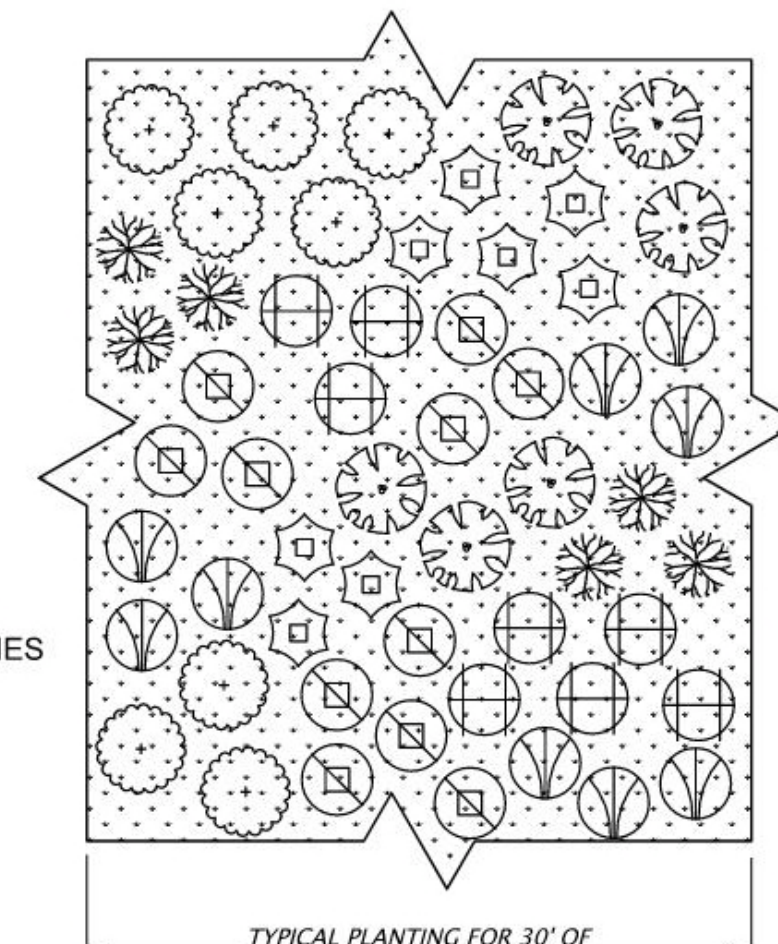
SHRUBS*



*SYMBOLS REPRESENT GENERIC PLANTS SPECIES

TREE AND SHRUB LAYOUT NOTES:

1. PLANTING ENLARGEMENT IS REPRESENTATIVE OF PLANTING. TO BE USED AS REFERENCE ONLY.
2. SEE PLANT SCHEDULES FOR TREE AND SHRUB SPECIES.
3. SHRUBS AND TREES TO BE PLANTED IN SAME-SPECIES CLUSTERS OF 5-7 DISTRIBUTED THROUGHOUT THE PLANTING AREA.
4. SEE PLANT SCHEDULES FOR TREE AND SHRUB SPACING.
5. THIS DETAIL IS TO SHOW THE GENERAL LAYOUT OF TREES AND SHRUBS IN THE RIPARIAN PLANTING AREAS.



RIPARIAN PLANT LAYOUT DETAIL

SCALE: 1" = 10'-0"

PLANTING SCHEDULE - EROSION CONTROL / POLLINATOR SEEDING

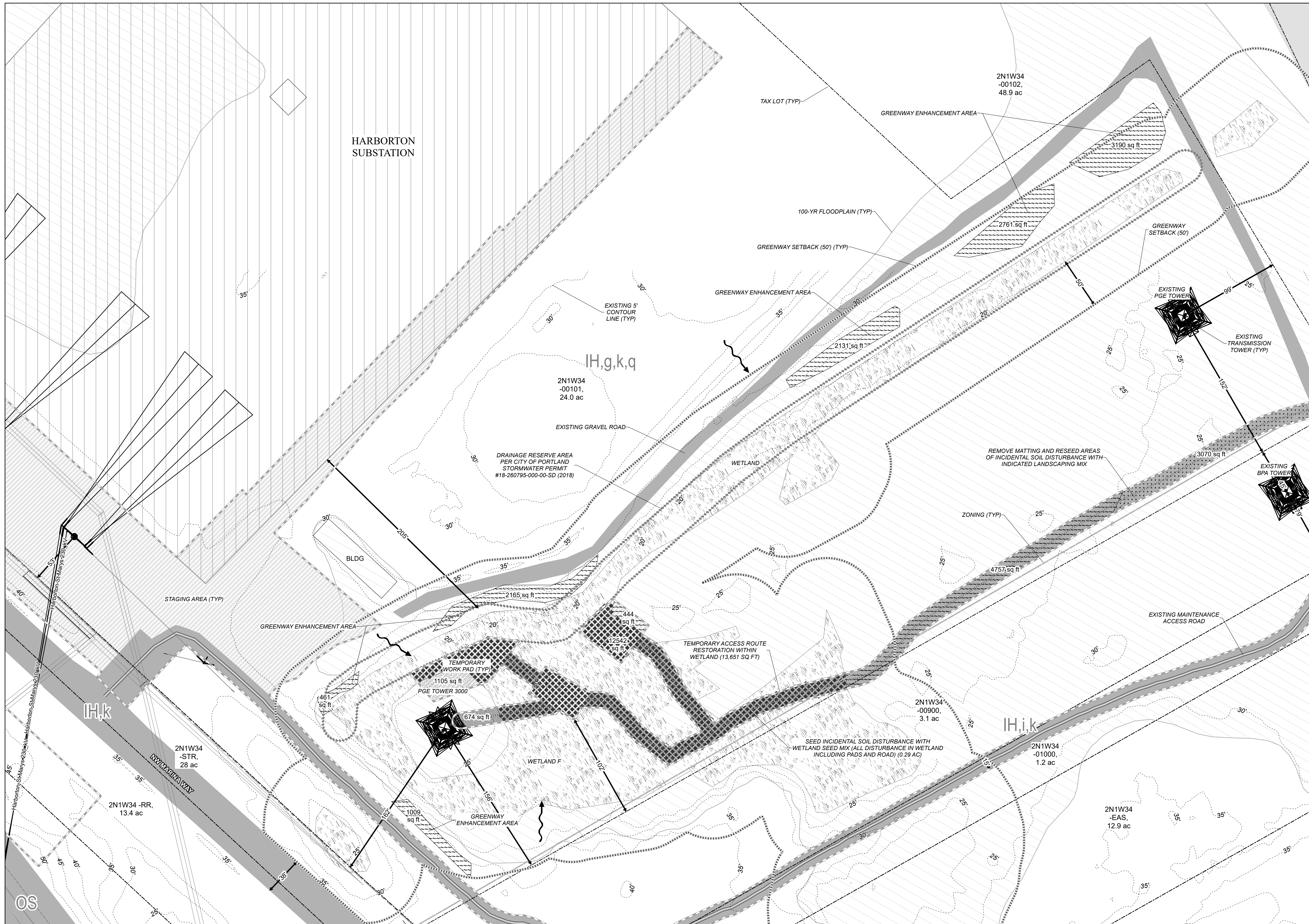
Botanical Name / Common Name	% by Weight	Application Rate	Quantity
<i>Permanent Seeding, Mix No. 1 - Erosion Control / Pollinator Support Seed Mix</i>			
<i>Bromus carinatus / California Brome</i>	10%		
<i>Elymus glaucus / Blue Wildrye</i>	40%		
<i>Hordeum brachyantherum / Meadow Barley</i>	20%		
<i>Gaillardia aristata / Blanketflower</i>	5%		
<i>Achillea millefolium / Common Yarrow</i>	2%		
<i>Clarkia amoena var. lindleyi / Farewell-to-Spring</i>	1%		
<i>Collinsia grandiflora / Giant Blue-eyed Mary</i>	3%		
<i>Collomia grandiflora / Large-flowered Collomia</i>	3%		
<i>Prunella vulgaris var. lanceolata / Self Heal</i>	2%	43.67 PLS* lbs. per acre / 1 lb. per 1000 SF	7.14 AC
<i>Lupinus polyphyllus / Large-leaved Lupine</i>	3%		
<i>Plectritis congesta / Shortspur Seablush</i>	1%		
<i>Potentilla gracilis / Graceful Cinquefoil</i>	1%		
<i>Gilia capitata / Bluehead Gilia</i>	1%		
<i>Deschampsia cespitosa / Tufted Hairgrass</i>	3%		
<i>Symphotrichum subspicatum / Douglas Aster</i>	2%		
<i>Lupinus bicolor / Miniature Lupine</i>	1%		
<i>Epilobium densiflorum / Deseflower Willowherb</i>	1%		
<i>Linaria maroccana / Dwarf Spurred Snapdragon</i>	1%		

* PLS = Pure Live Seed

PLANTING SCHEDULE - WETLAND SEEDING

Botanical Name / Common Name	% by Weight	Application Rate	Quantity
<i>Permanent Seeding, Mix No. 2 - Native Wetlands Mix</i>			
<i>Hordeum brachyantherum / Meadow Barley</i>	25%		
<i>Glyceria occidentalis / Northwestern Mannagrass</i>	15%		
<i>Beckmannia syzigachne / Sloughgrass</i>	19%		
<i>Carex obnupta / Slough Sedge</i>	10%		
<i>Carex stipata / Awl-fruited Sedge</i>	5%	43.58 PLS* lbs. per acre / 1 lb. per 1000 SF	0.73 AC
<i>Scirpus microcarpus / Small-fruited Bulrush</i>	4%		
<i>Eleocharis palustris / Common Spikerush</i>	7%		
<i>Veronica americana / American Speedwell</i>	2%		
<i>Alopecurus geniculatus / Water Foxtail</i>	10%		
<i>Deschampsia caespitosa / Tufted Hairgrass</i>	2%		
<i>Agrostis exarata / Spike Bentgrass</i>	1%		

* PLS = Pure Live Seed



- Legend**
- Limits of Disturbance
 - Planting Plan**
 - Tall Upland Plant Community (no maximum height)
 - Medium Upland Plant Community (75-ft maximum height)
 - Low Upland Plant Community (15-ft maximum height)
 - Upland Shrub Plant Community
 - Tall Riparian Plant Community (no maximum height)
 - Medium Riparian Plant Community (75-ft maximum height)
 - Low Riparian Plant Community (15-ft maximum height)
 - Erosion Control/Pollinator Seed Mix
 - Wetland Seed Mix
 - Existing Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Wetland/Ordinary High Water (OHW)
 - Greenway Setback (50-ft)
 - 100-year Floodplain
 - Drainage Flow
 - Zoning (City of Portland)
 - Multnomah County Tax Lot
 - Forest Park Boundary
 - Contour (5-foot intervals, vertical datum NAVD88)

- Zoning (City of Portland):**
- RF = Farm and Forest
 - IH = Heavy Industrial
 - OS = Open Space
 - c = Environmental Conservation
 - d = Design
 - g = River General
 - i = River Industrial
 - k = Prime Industrial
 - p = Environmental Protection
 - q = Water Quality Resource Area
 - s = Scenic Resource

Area of Temporary Wetland Encroachment:
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
 3,078 sq ft; 0.07 ac

NOTES: See SHT. L324

