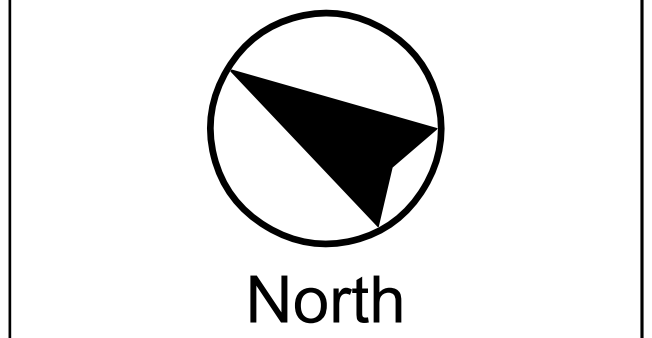
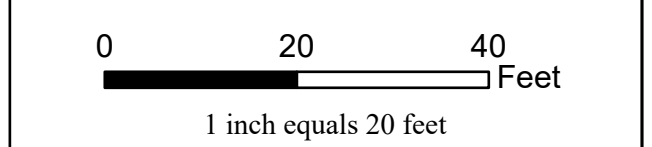
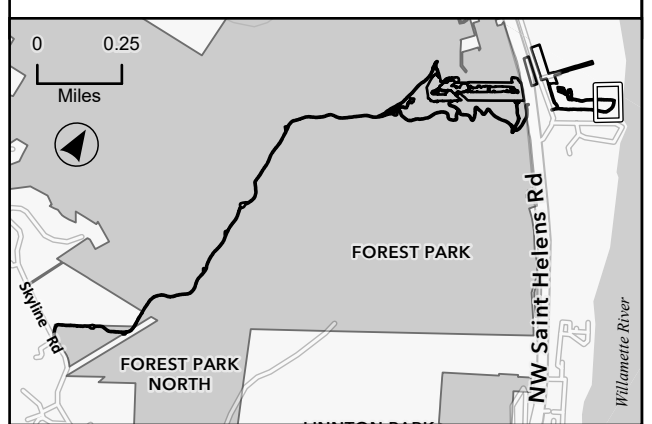


Legend

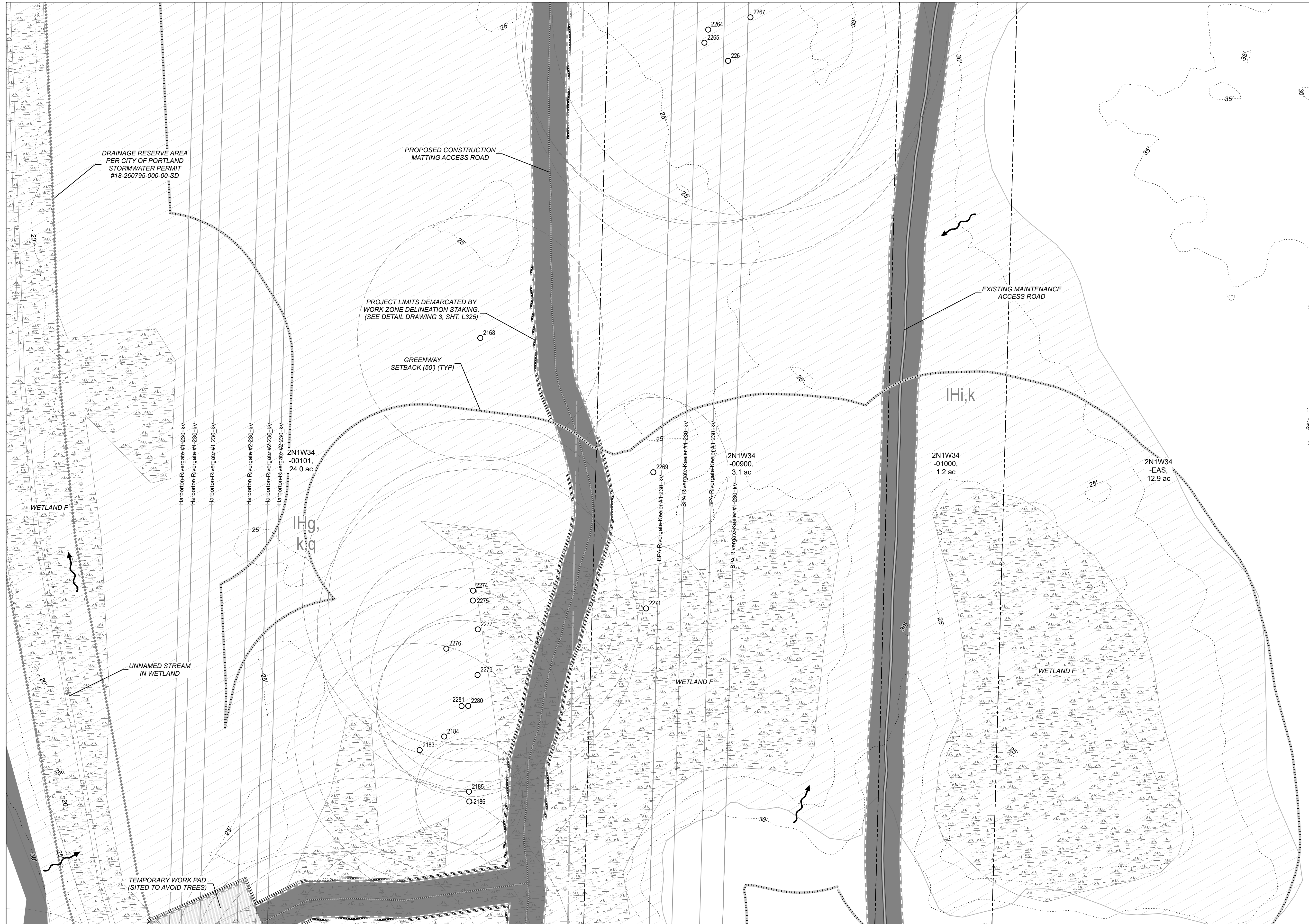
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
- Deciduous Tree (Living) to Be Protected
- Deciduous (Dead) to Be Protected
- Deciduous Tree (Living) to Be Removed
- Deciduous (Dead) to Be Removed
- Conifer (Living) to Be Protected
- Conifer (Dead) to Be Protected
- Conifer (Living) to Be Removed
- Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



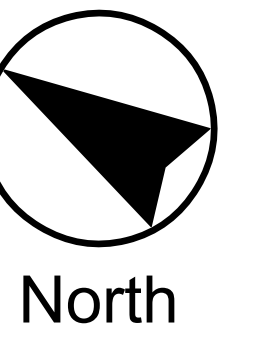
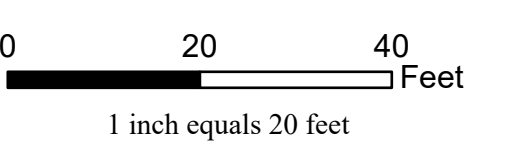
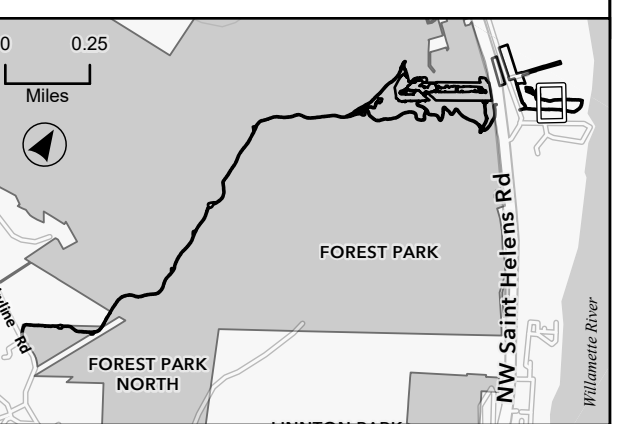
MATCHLINE SEE SHEET L202



- Legend**
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
 - Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filteration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydeseed with Bonded Fiber Matrix on Slopes > 50%)
 - Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
 - Existing Maintenance Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Grading Contour (1-ft intervals)
 - Fill Area
 - Cut Area
 - Staging Area
 - 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:**
- Graphic symbols are approximate. Place erosion control measures as required or directed.
 - Erosion Control BMPs may be installed in RPZs without further review.
 - Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



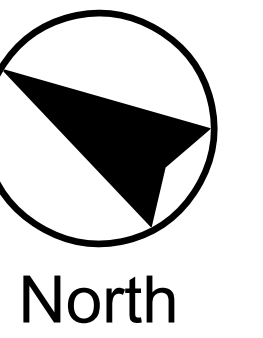
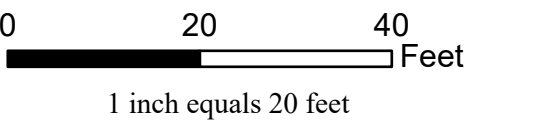
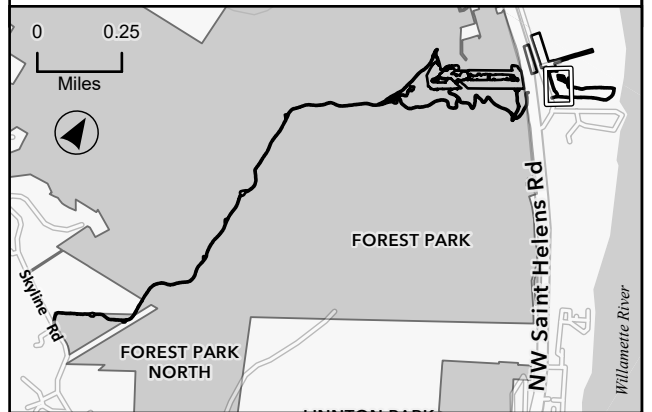


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydrosed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



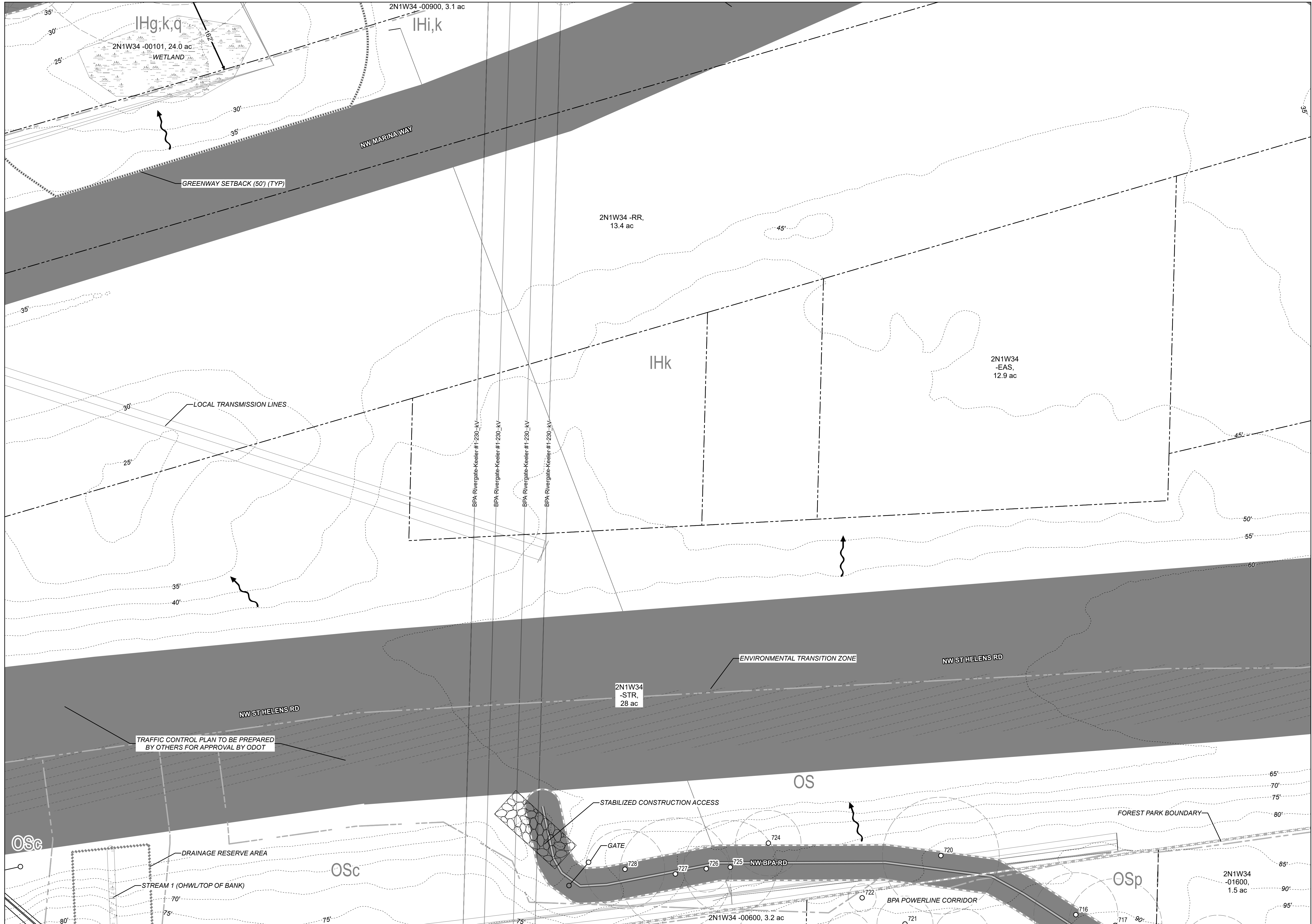
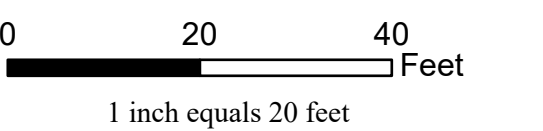
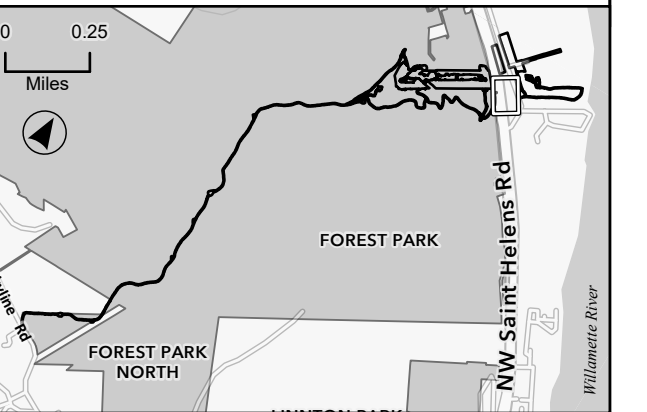


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L205

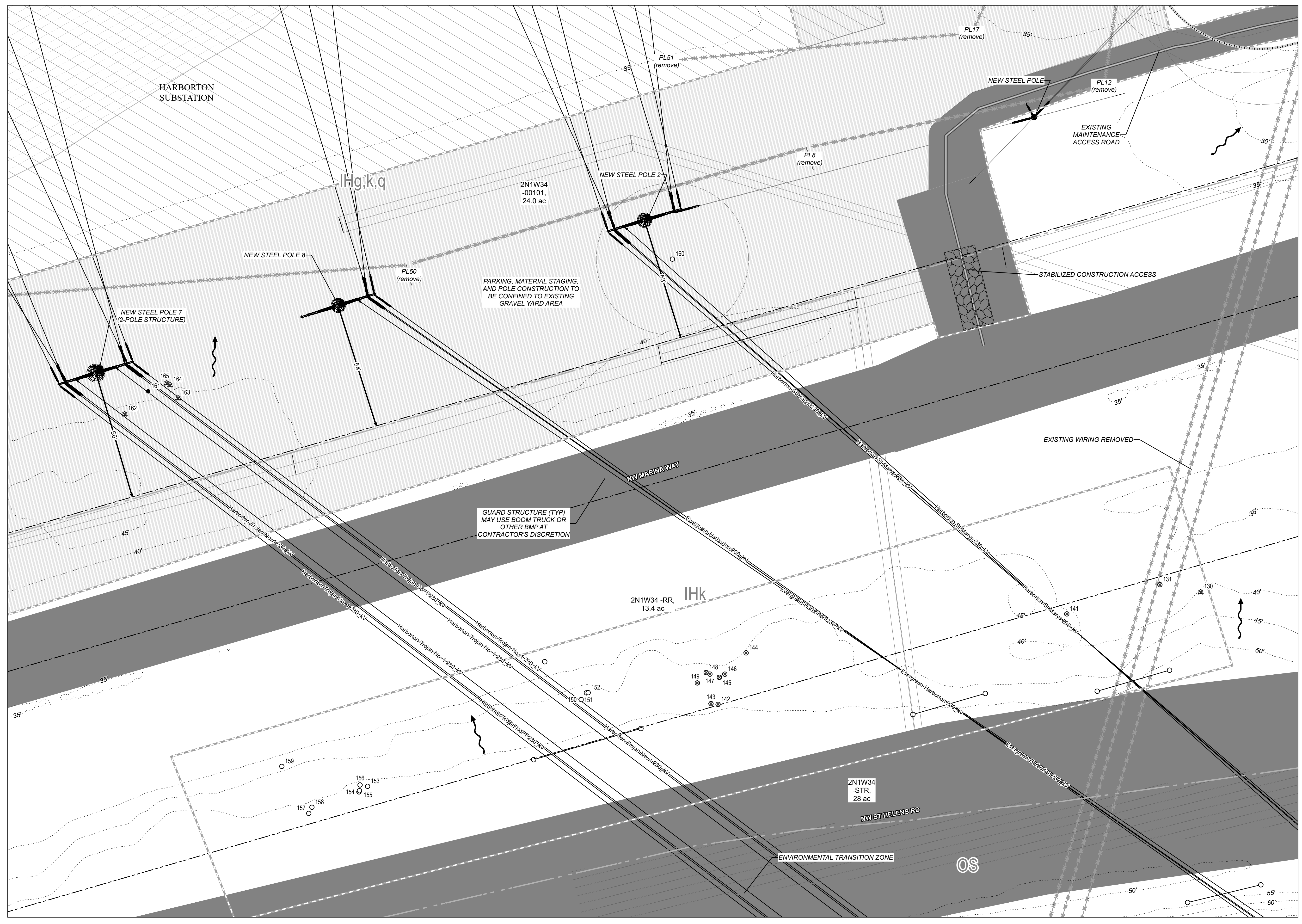
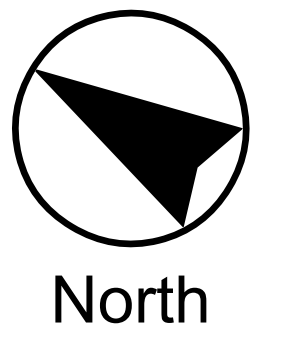
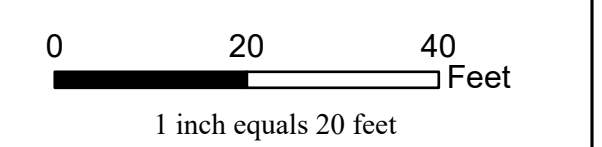
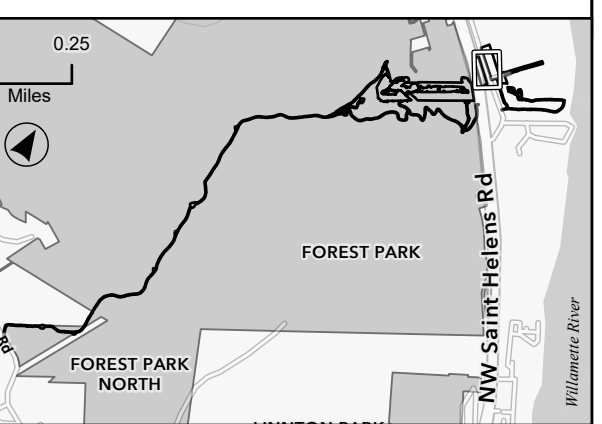


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydeseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- 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:**
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L204

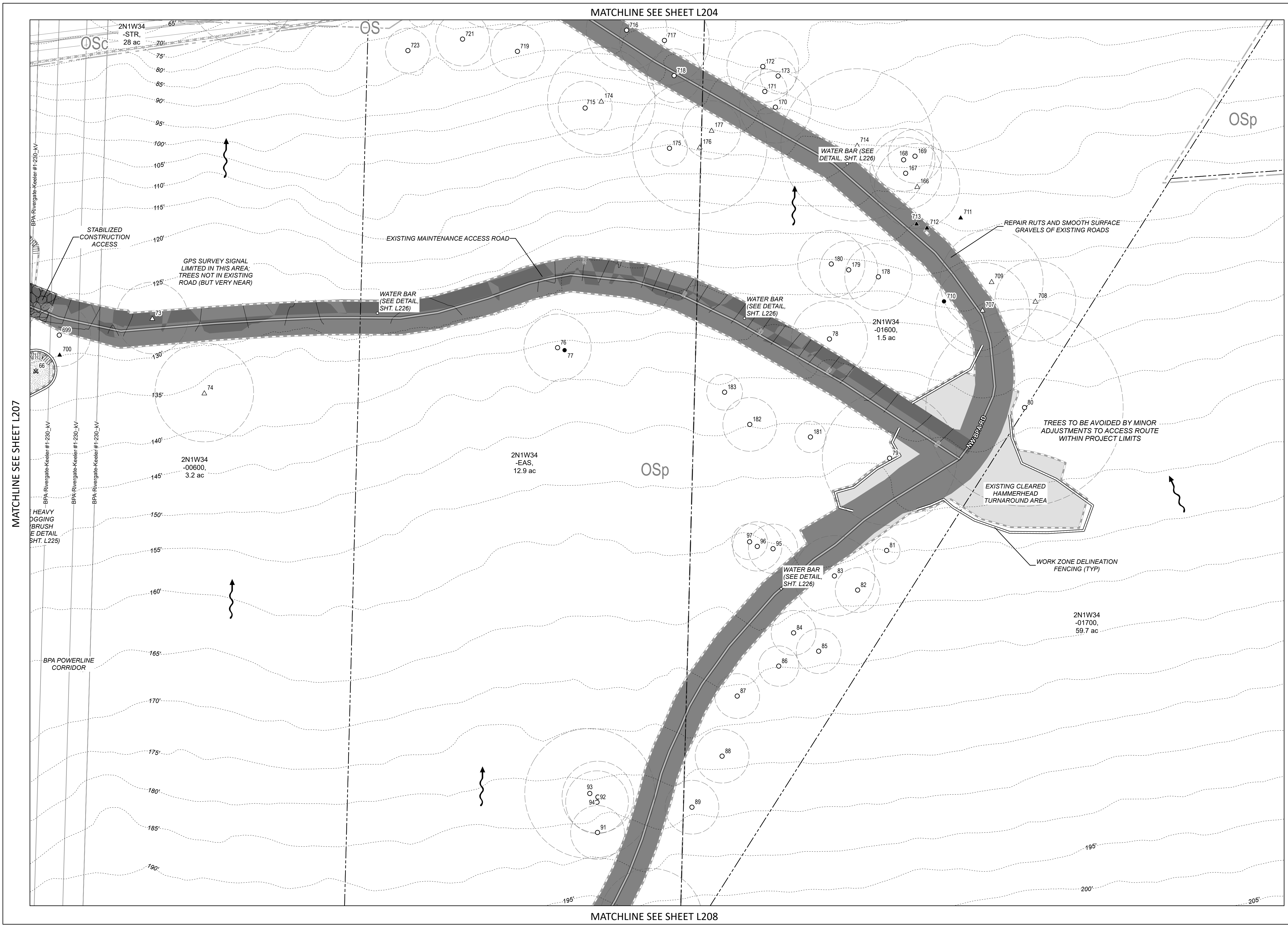
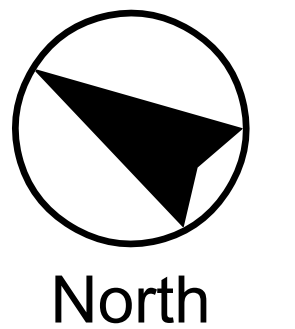
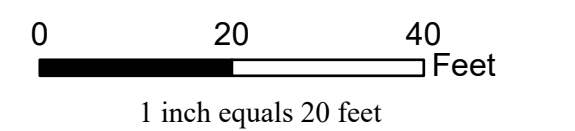
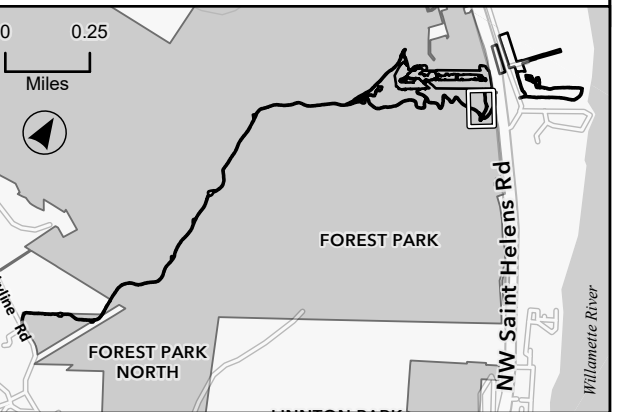
MATCHLINE SEE SHEET L207

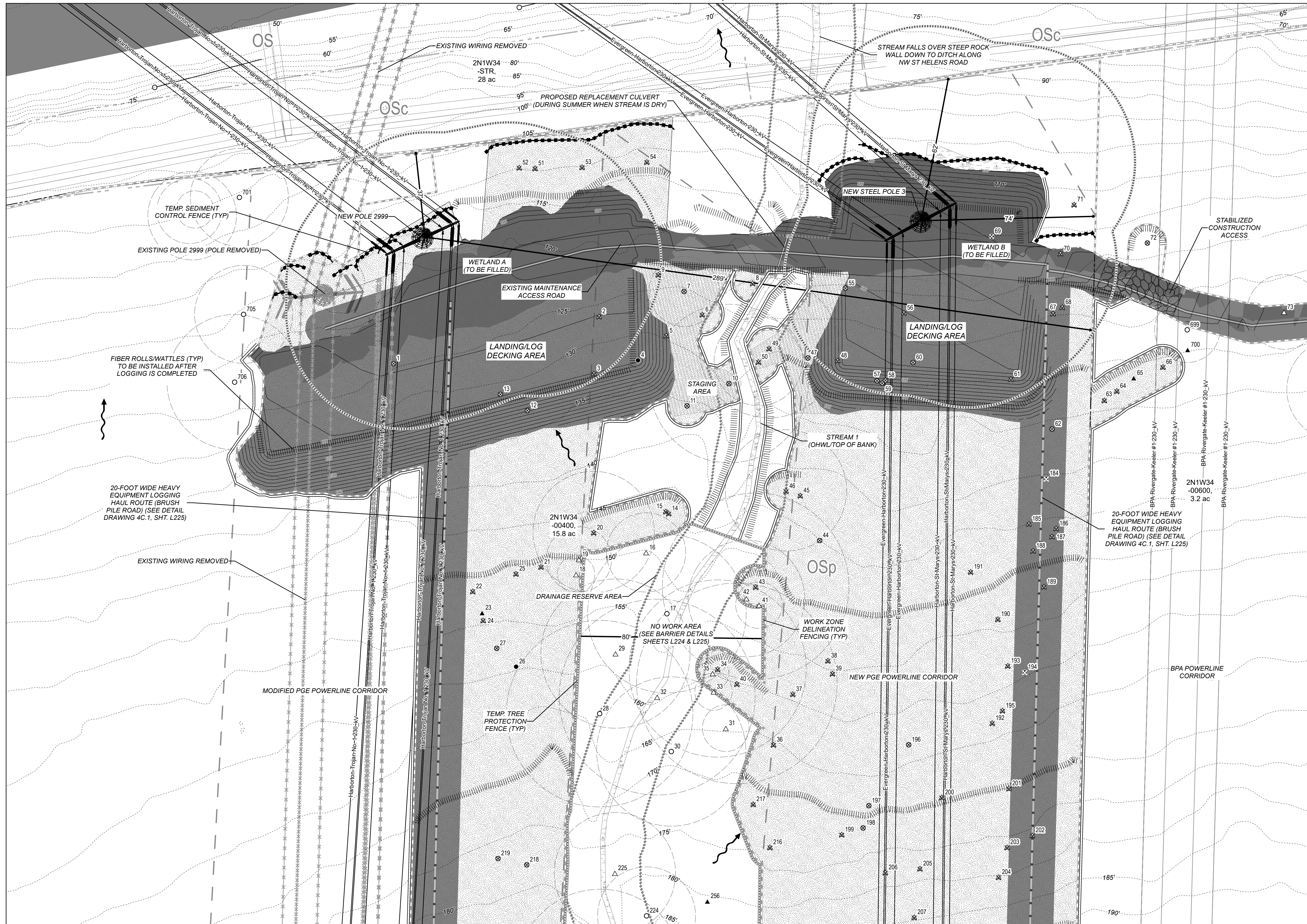
Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 5%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Other Features
 - Existing Maintenance Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Grading Contour (1-ft intervals)
 - Fill Area
 - Cut Area
 - Staging Area
 - Wetland/Ordinary High Water (OHW)
 - 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.





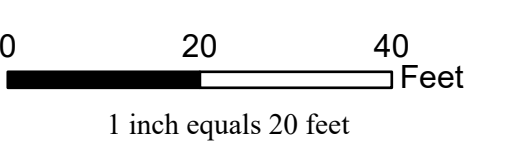
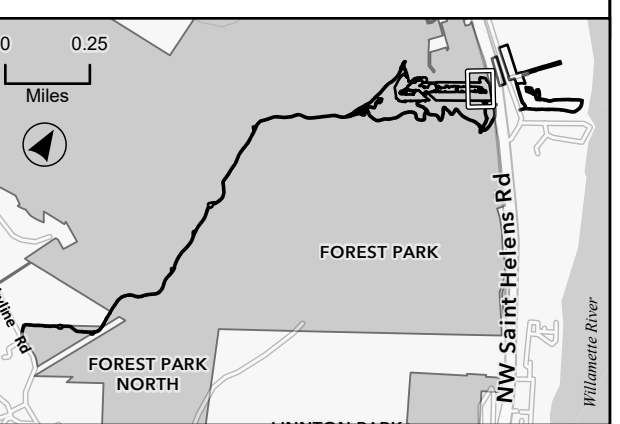
MATCHLINE SEE SHEET L206

Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydrexed with Bonded Fiber Matrix on Slopes > 5%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- Wetland 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



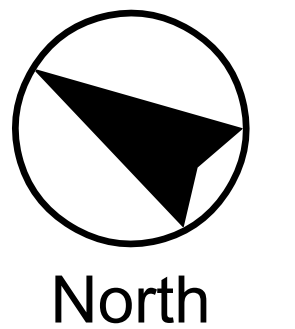
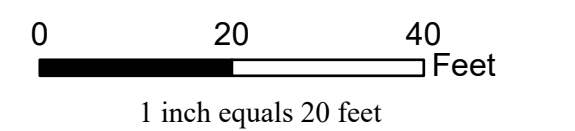
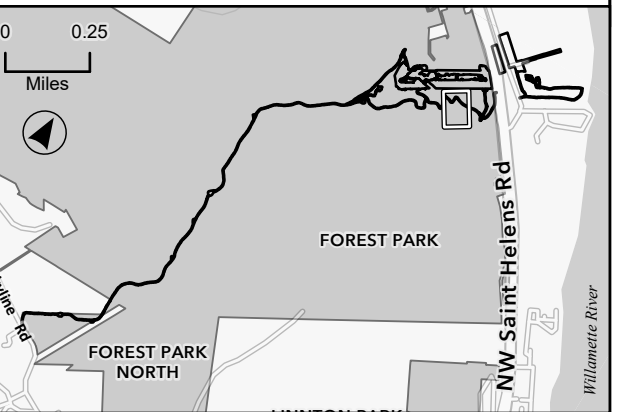


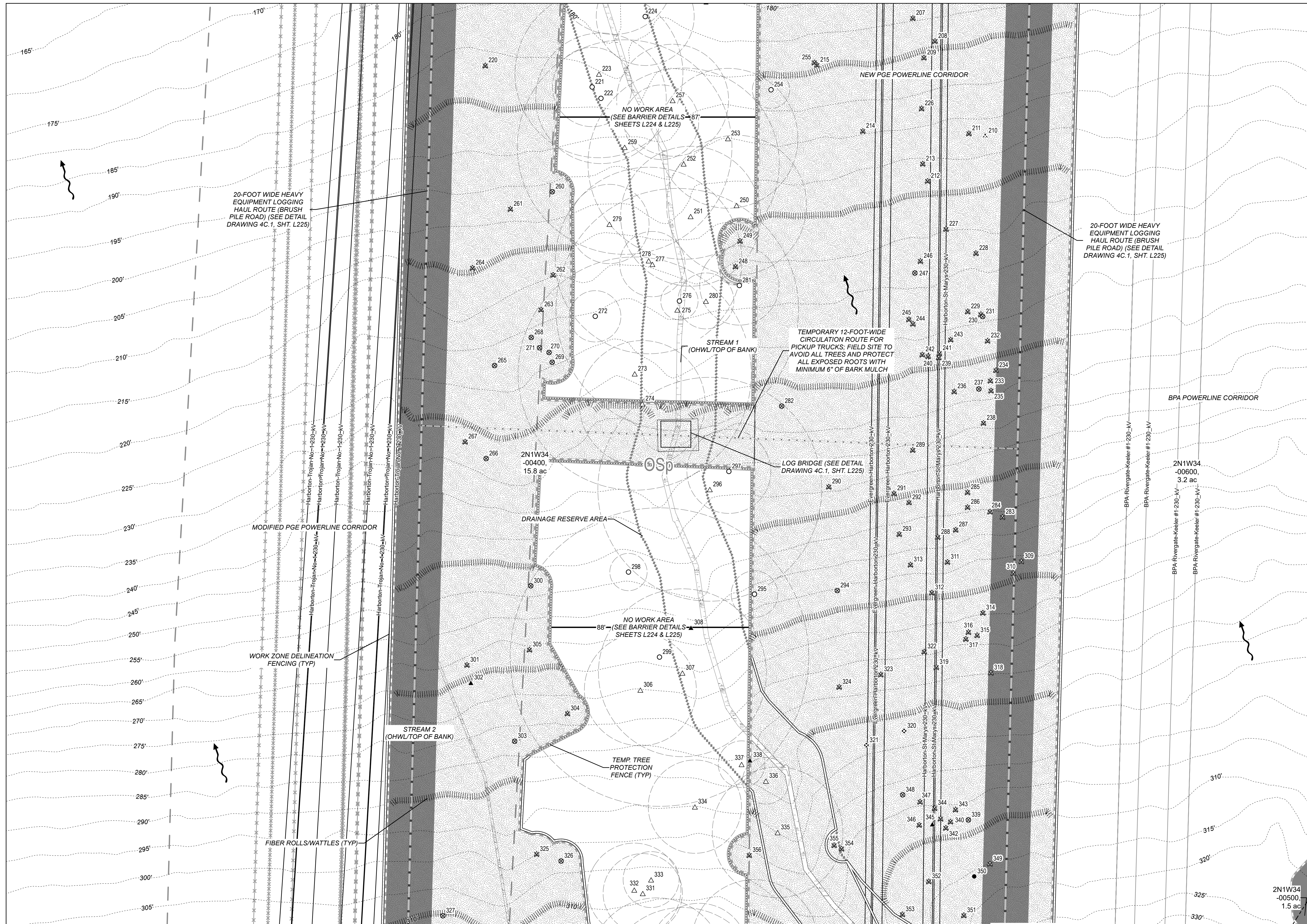
Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs**
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
- Deciduous Tree (Living) to Be Protected
- Deciduous Tree (Dead) to Be Protected
- Deciduous Tree (Living) to Be Removed
- Deciduous Tree (Dead) to Be Removed
- Conifer (Living) to Be Protected
- Conifer (Dead) to Be Protected
- Conifer (Living) to Be Removed
- Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:**
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.





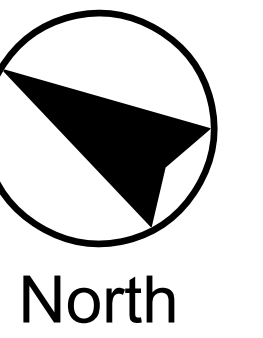
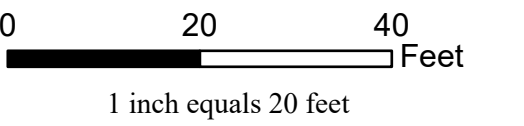
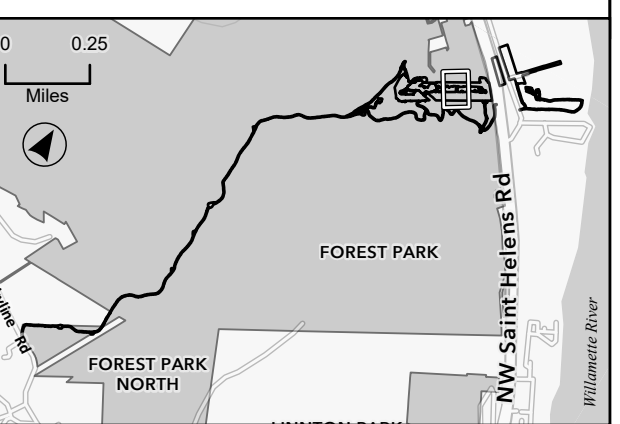
MATCHLINE SEE SHEET L208

Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filteration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 5%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
- Graphic symbols are approximate. Place erosion control measures as required or directed.
 - Erosion Control BMPs may be installed in RPZs without further review.
 - Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



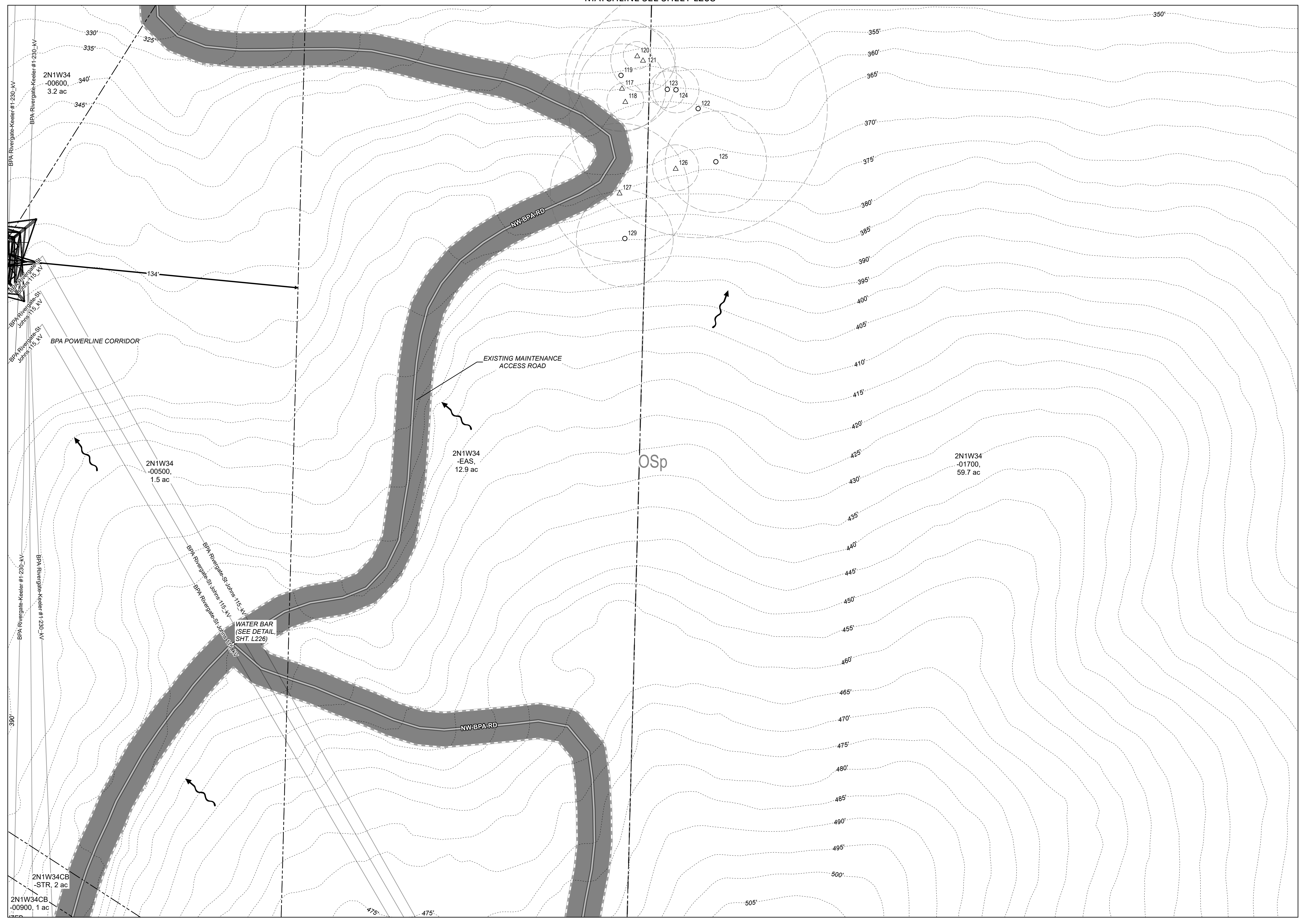
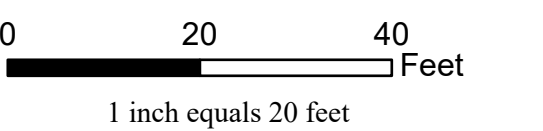
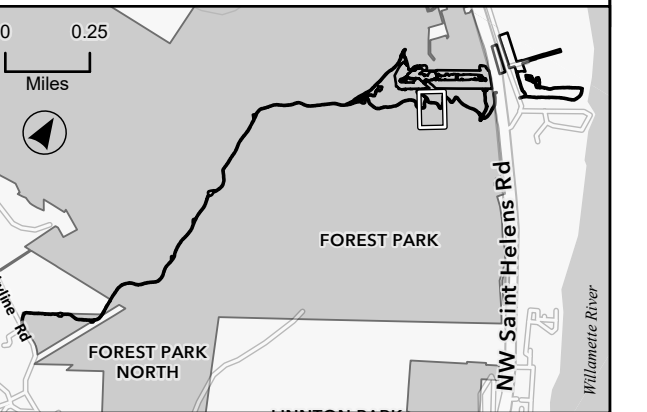


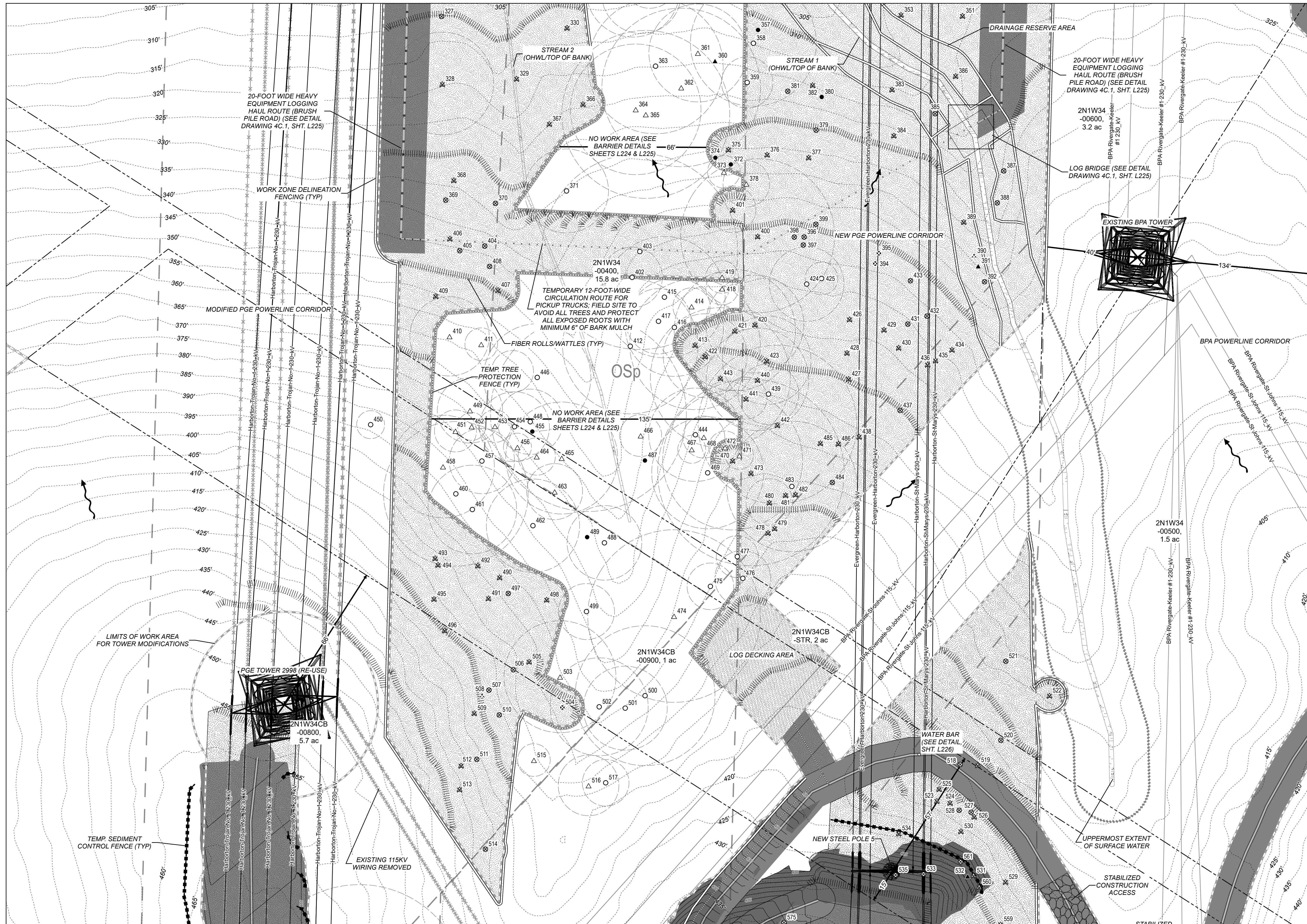
Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
- Graphic symbols are approximate. Place erosion control measures as required or directed.
 - Erosion Control BMPs may be installed in RPZs without further review.
 - Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.





MATCHLINE SEE SHEET L210

Legend
Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)

Temporary Construction BMPs
 Fiber Rolls/Straw Wattles
 Filtration Berm
 Sediment Control Fence
 Tree Protection Fencing
 Work Zone Delineation Fencing
 Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 5%)

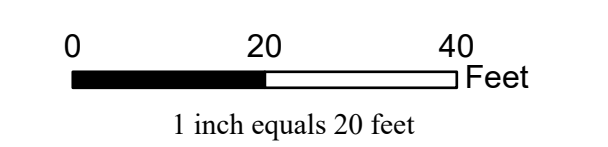
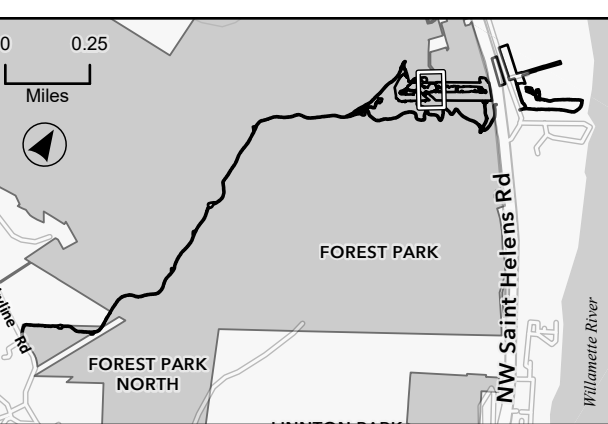
Surveyed Tree Location
 Deciduous Tree (Living) to Be Protected
 Deciduous Tree (Dead) to Be Protected
 Deciduous Tree (Living) to Be Removed
 Deciduous Tree (Dead) to Be Removed
 Conifer (Living) to Be Protected
 Conifer (Dead) to Be Protected
 Conifer (Living) to Be Removed
 Conifer (Dead) to Be Removed
 Root Protection Zone

Existing Maintenance Access Road Centerline
 Proposed Temporary Access Road
 Proposed Temporary Logging Haul Route
 Proposed Temporary Circulation Route
 Edge of Roadway/Access Road (approximate)
 Trail
 Grading Contour (1-ft intervals)
 Fill Area
 Cut Area

Staging Area
 Wetland/Ordinary High Water (OHW)
 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.

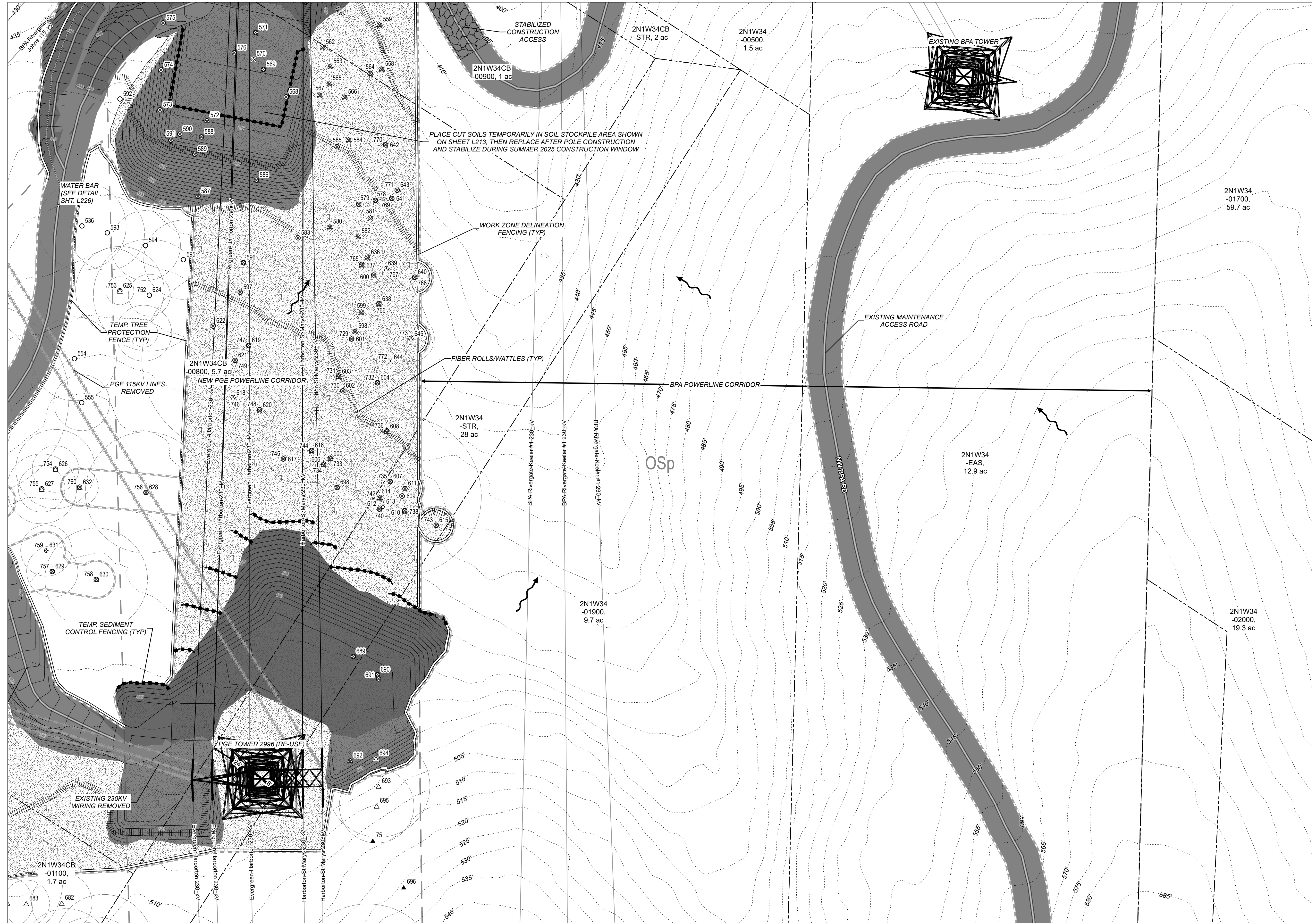
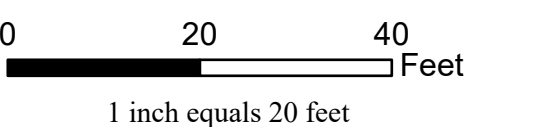
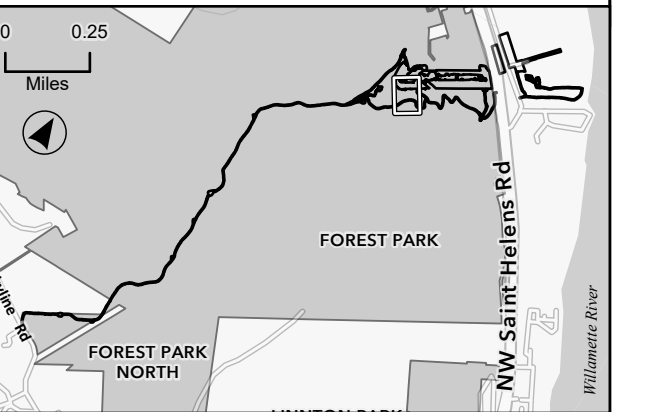


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
- Graphic symbols are approximate. Place erosion control measures as required or directed.
 - Erosion Control BMPs may be installed in RPZs without further review.
 - Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L213

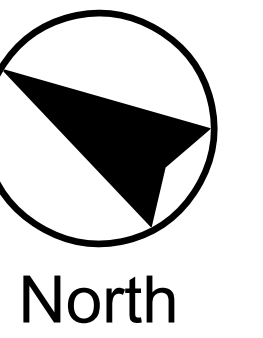
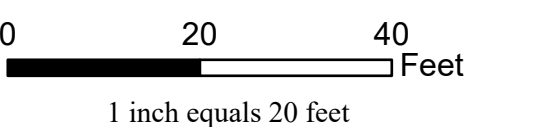
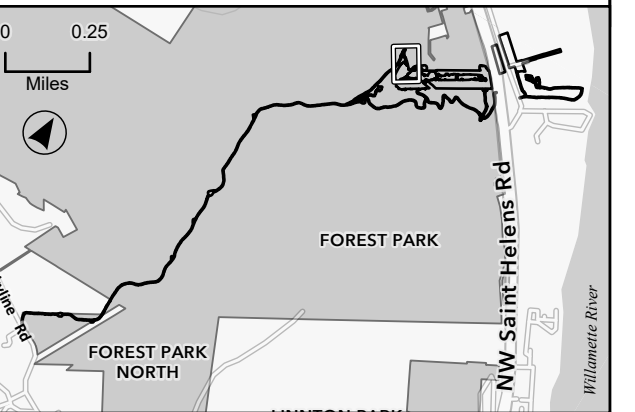


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydressed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L212

MATCHLINE SEE SHEET L212

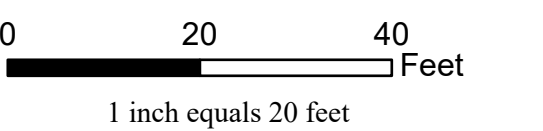
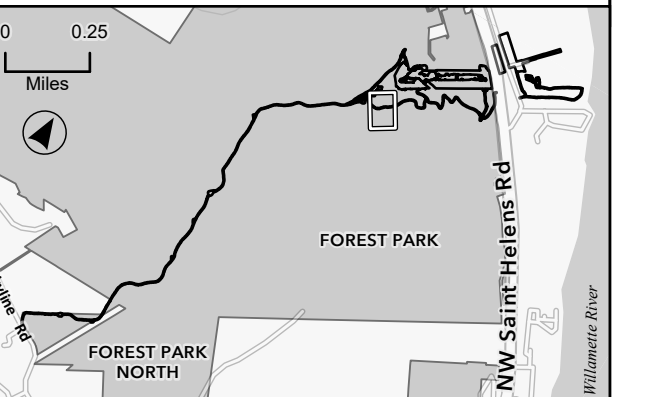


Legend

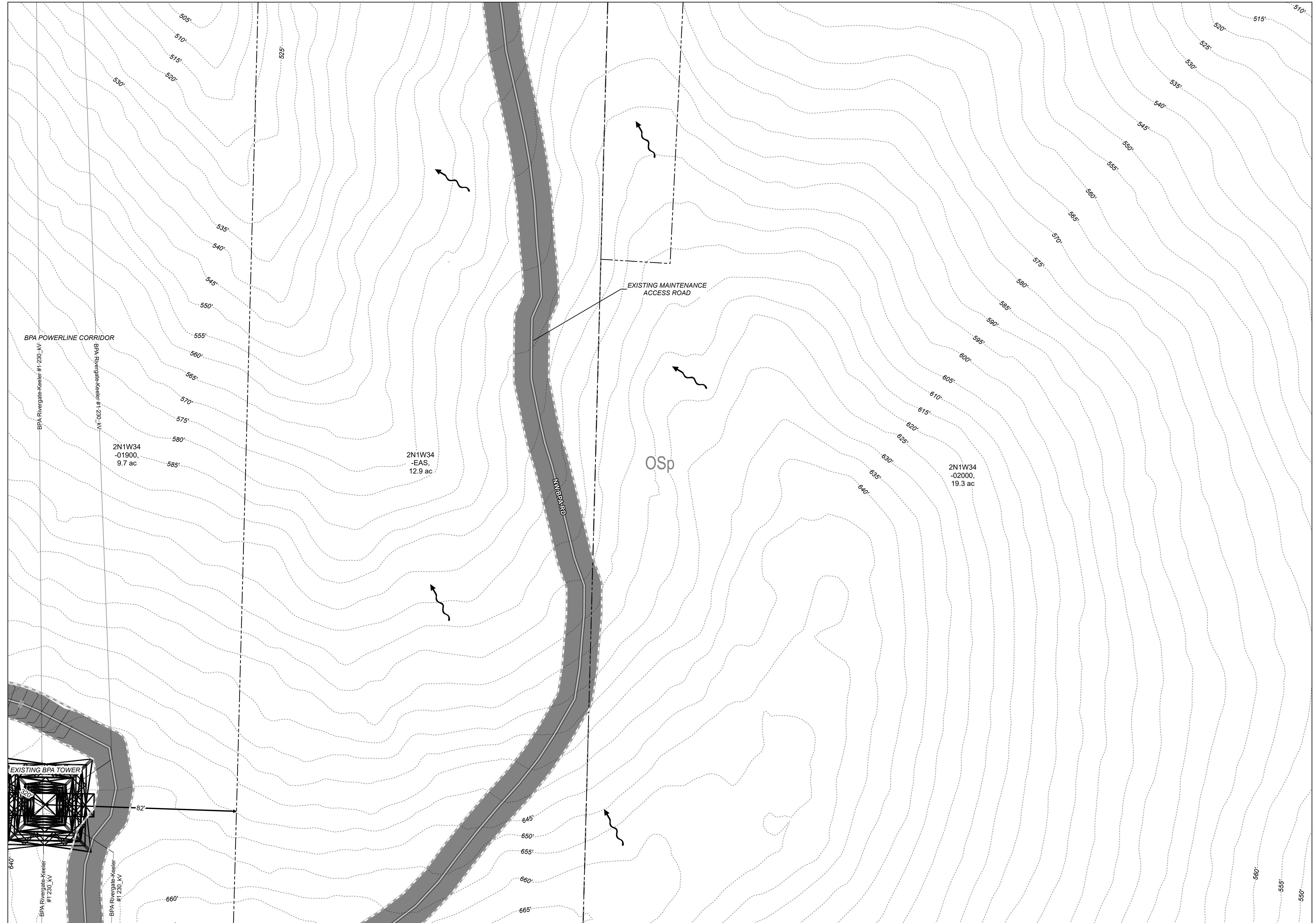
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydeseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
2. Erosion Control BMPs may be installed in RPZs without further review.
3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L215



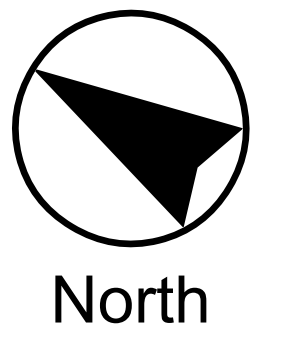
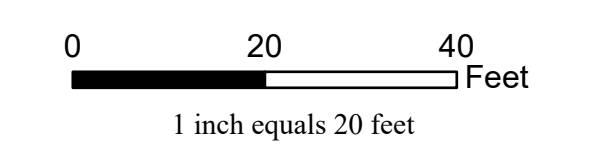
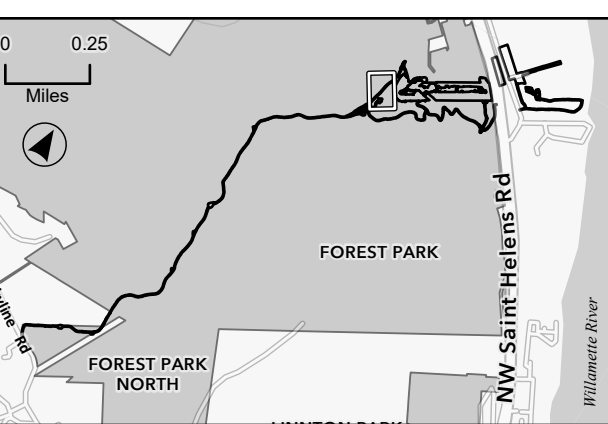
MATCHLINE SEE SHEET L216

Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location
 - Deciduous Tree (Living) to Be Protected
 - Deciduous (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
- Graphic symbols are approximate. Place erosion control measures as required or directed.
 - Erosion Control BMPs may be installed in RPZs without further review.
 - Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L214

MATCHLINE SEE SHEET L213

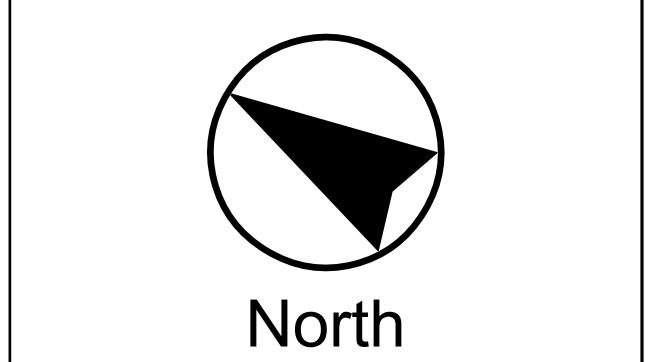
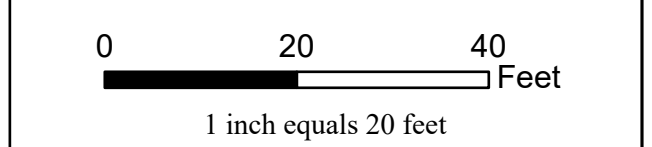
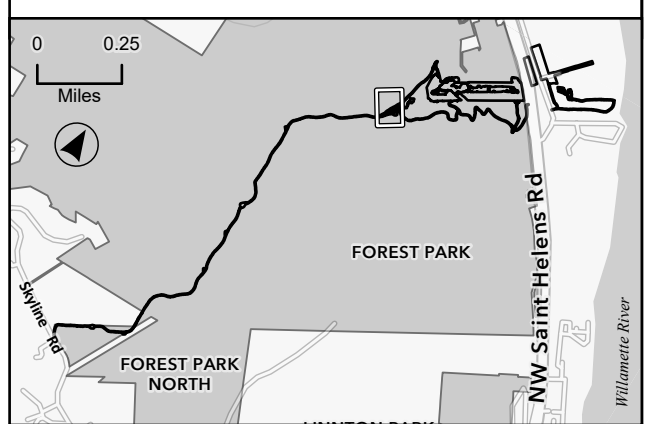
MATCHLINE SEE SHEET L213



- Legend**
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
 - Temporary Construction BMPs**
 - Fiber Rolls/Straw Wattles
 - Filtration Berm
 - Sediment Control Fence
 - Tree Protection Fencing
 - Work Zone Delineation Fencing
 - Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
 - Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
 - Other Features**
 - Existing Maintenance Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Grading Contour (1-ft intervals)
 - Fill Area
 - Cut Area
 - Staging Area
 - Wetland/Ordinary High Water (OHW)
 - 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:**
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



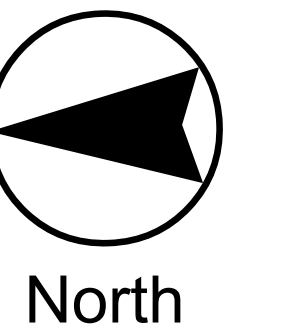
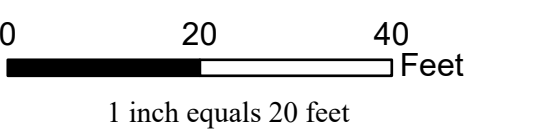
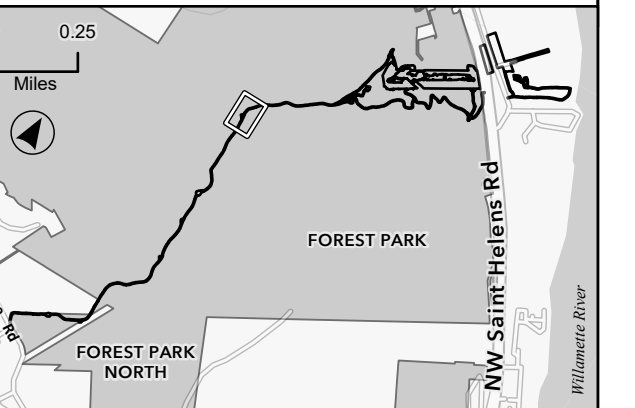


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydrosseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
 - Root Protection Zone
 - Existing Maintenance Access Road Centerline
 - Proposed Temporary Access Road
 - Proposed Temporary Logging Haul Route
 - Proposed Temporary Circulation Route
 - Edge of Roadway/Access Road (approximate)
 - Trail
 - Grading Contour (1-ft intervals)
 - Fill Area
 - Cut Area
 - Staging Area
 - Wetland/Ordinary High Water (OHW)
 - 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:
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
2. Erosion Control BMPs may be installed in RPZs without further review.
3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



2N1W33D
-EAS,
2.1 ac

1N1W04
-00100,
48.3 ac

1N1W04
-EAS,
9.2 ac

OSp

OSp

BPA POWERLINE CORRIDOR

EXISTING MAINTENANCE
ACCESS ROAD

NWBPA RD

Temporary
Truck
Pullout

FIBER ROLLS/WATTLES (TYP)

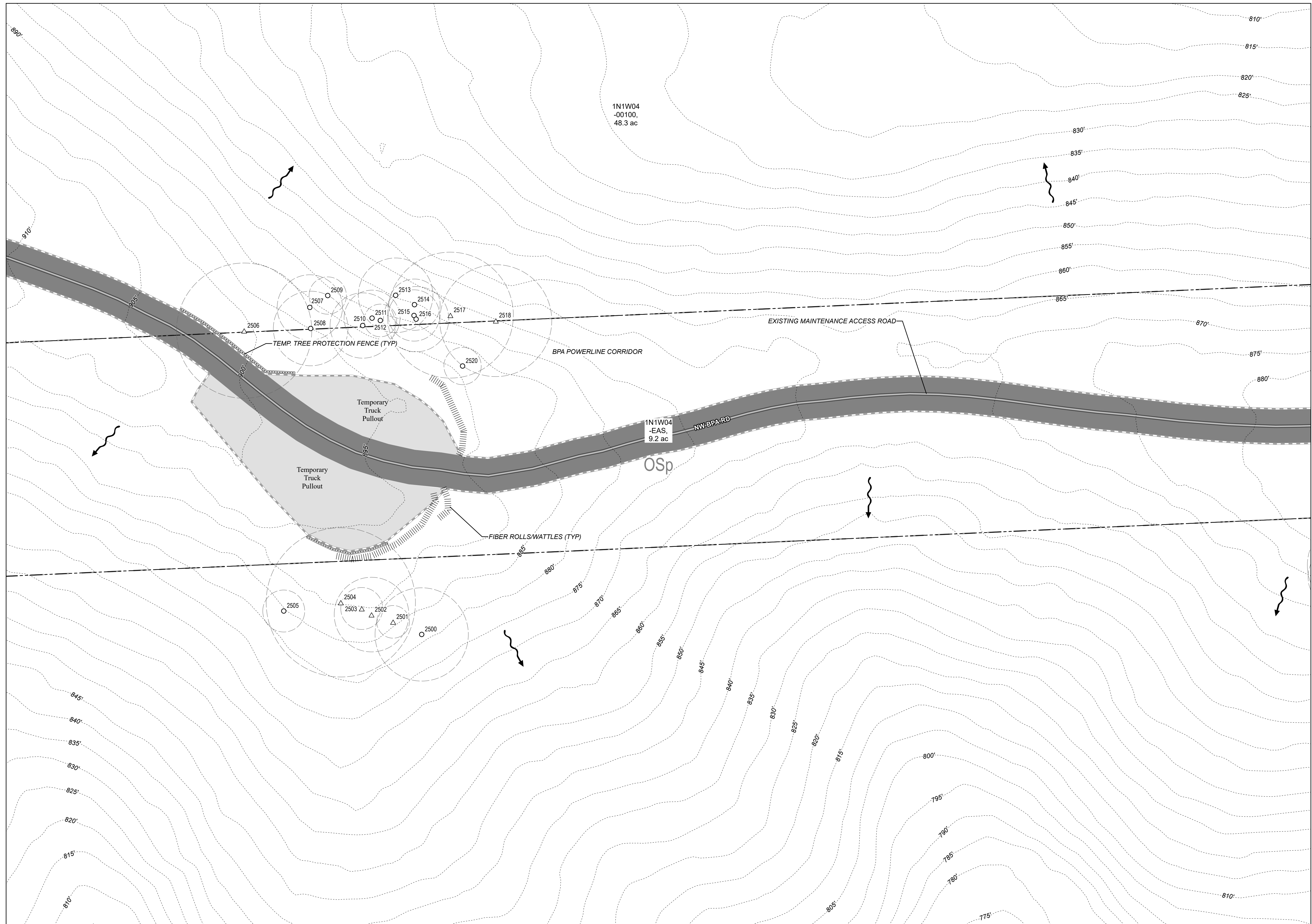
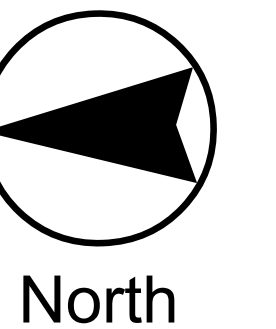
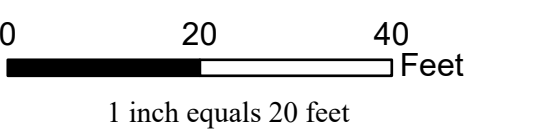


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
- Deciduous Tree (Living) to Be Protected
- Deciduous Tree (Dead) to Be Protected
- Deciduous Tree (Living) to Be Removed
- Deciduous Tree (Dead) to Be Removed
- Conifer (Living) to Be Protected
- Conifer (Dead) to Be Protected
- Conifer (Living) to Be Removed
- Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:**
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L219

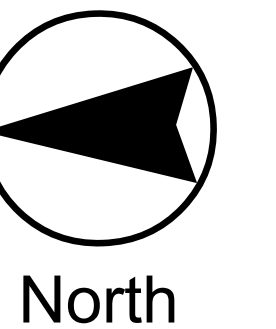
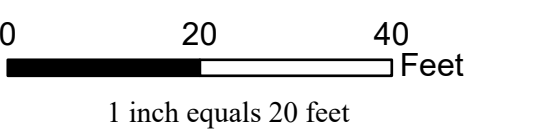
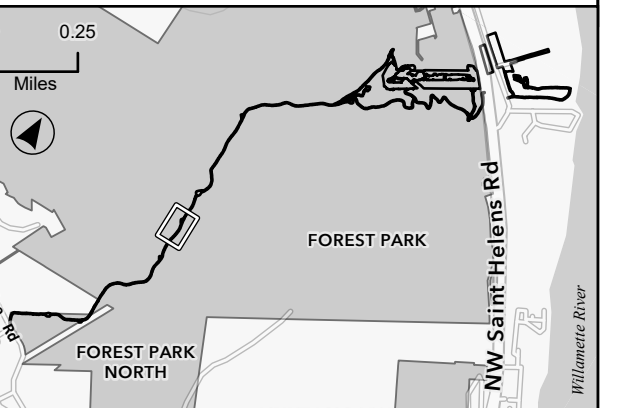


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary; hand work only)
- Temporary Construction BMPs**
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 5%)
- Surveyed Tree Location**
- Deciduous Tree (Living) to Be Protected
- Deciduous Tree (Dead) to Be Protected
- Deciduous Tree (Living) to Be Removed
- Deciduous Tree (Dead) to Be Removed
- Conifer (Living) to Be Protected
- Conifer (Dead) to Be Protected
- Conifer (Living) to Be Removed
- Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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)

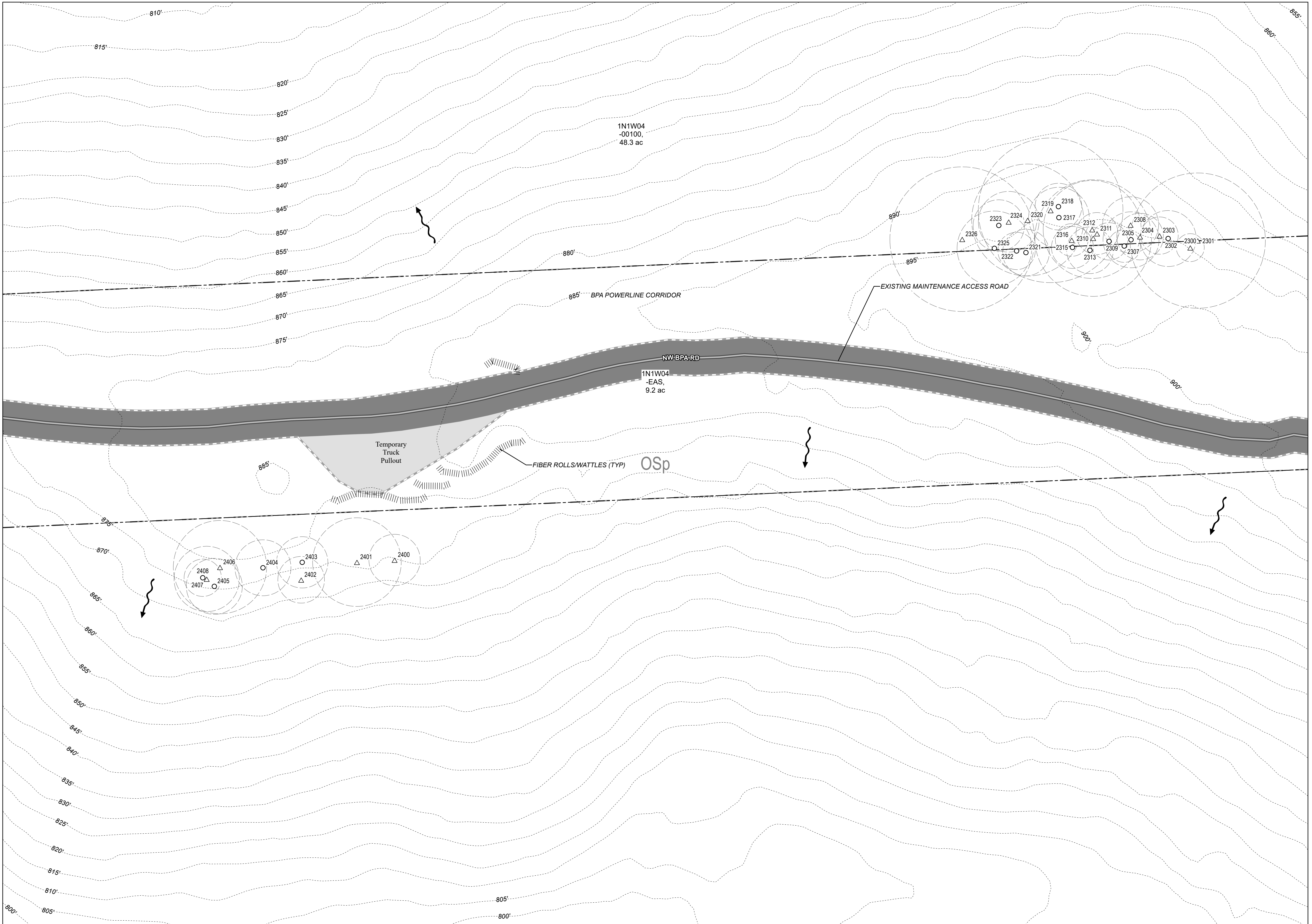
Area of Temporary Wetland Encroachment:
Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac
Area of Temporary Disturbance in Greenway Setback:
3,078 sq ft; 0.07 ac
Area of Permanent Wetland Encroachment:
Wetland A (Forest Park): 1,074 sq ft; 0.02 ac
Wetland B (Forest Park): 1,854 sq ft; 0.04 ac

NOTES:
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
2. Erosion Control BMPs may be installed in RPZs without further review.
3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L218

MATCHLINE SEE SHEET L220



1N1W04-00100, 48.3 ac

1N1W04-EAS, 9.2 ac

Osp

Temporary Truck Pullout

FIBER ROLLS/WATTLES (TYP)

EXISTING MAINTENANCE ACCESS ROAD

BPA POWERLINE CORRIDOR

NW BPA RD

2408

2407

2405

2404

2403

2402

2401

2400

2326

2325

2322

2324

2320

2319

2318

2317

2312

2311

2308

2305

2304

2303

2302

2300

2301

2323

2321

2321

2315

2316

2310

2309

2307

2313

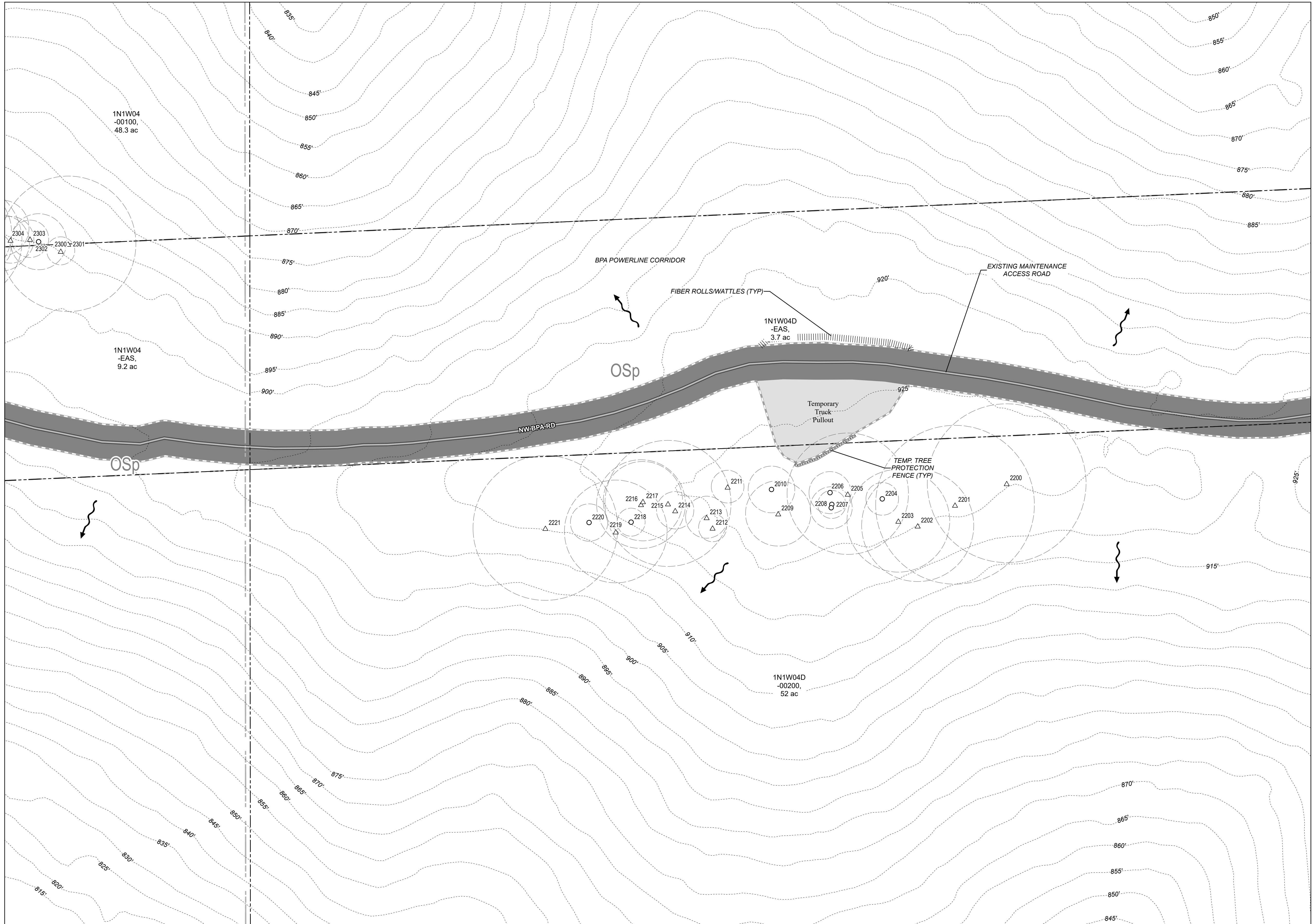
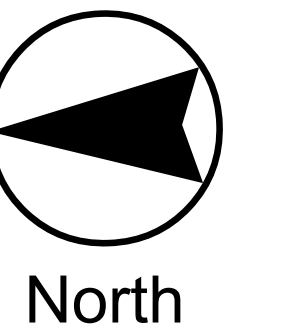
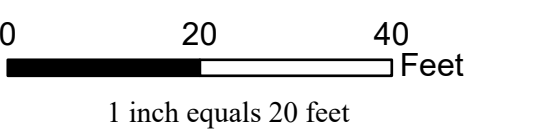


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs**
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
- Deciduous Tree (Living) to Be Protected
- Deciduous Tree (Dead) to Be Protected
- Deciduous Tree (Living) to Be Removed
- Deciduous Tree (Dead) to Be Removed
- Conifer (Living) to Be Protected
- Conifer (Dead) to Be Protected
- Conifer (Living) to Be Removed
- Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.
 2. Erosion Control BMPs may be installed in RPZs without further review.
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L219



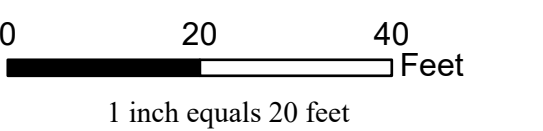
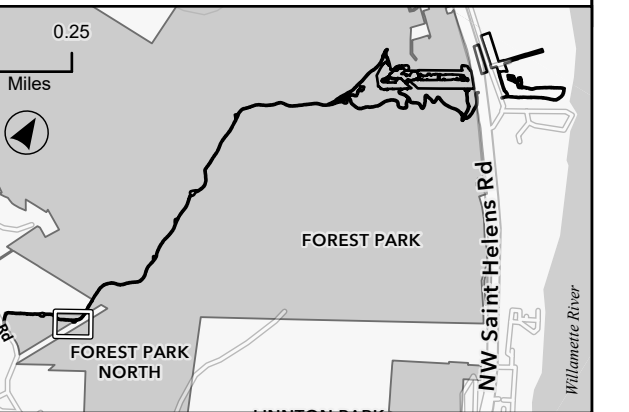
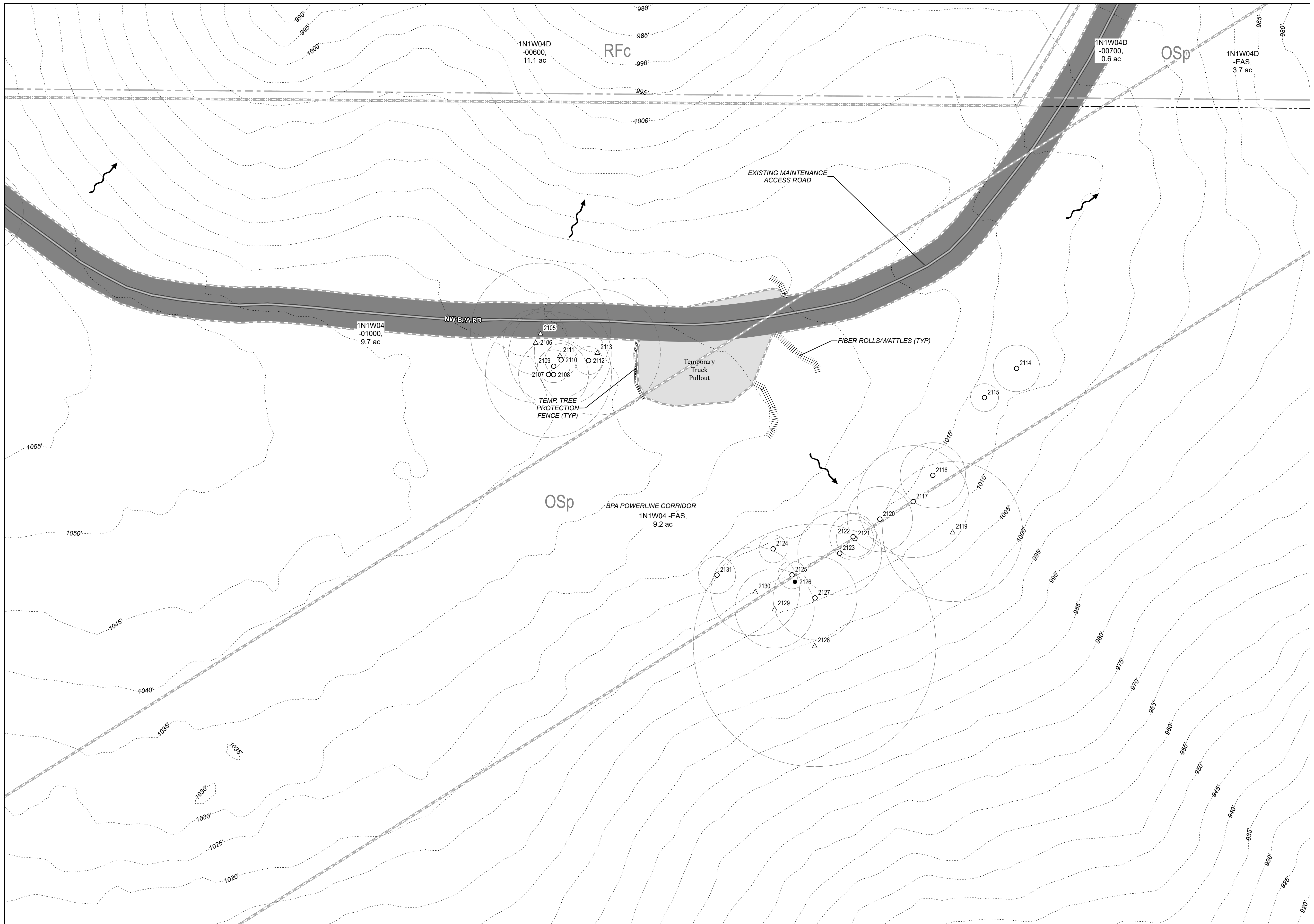
Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseed with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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:
1. Graphic symbols are approximate. Place erosion control measures as required or directed.
2. Erosion Control BMPs may be installed in RPZs without further review.
3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.

MATCHLINE SEE SHEET L222





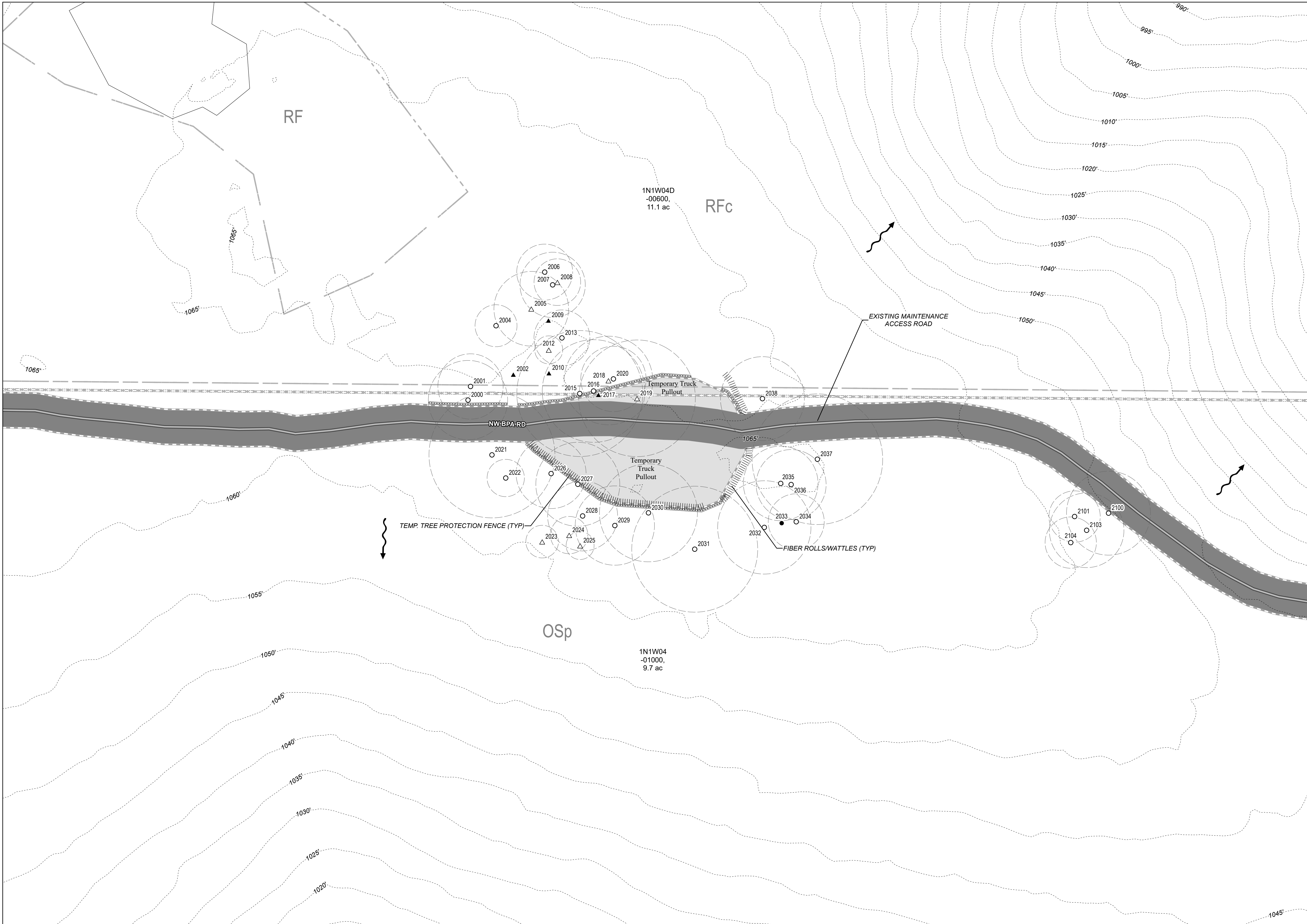
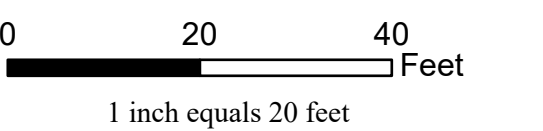
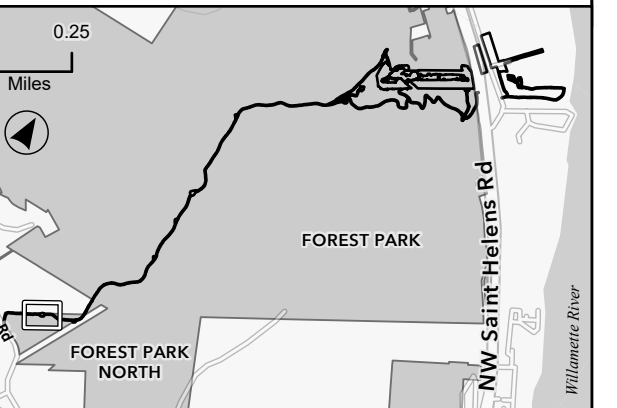
Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed Tree Location**
 - Deciduous Tree (Living) to Be Protected
 - Deciduous Tree (Dead) to Be Protected
 - Deciduous Tree (Living) to Be Removed
 - Deciduous Tree (Dead) to Be Removed
 - Conifer (Living) to Be Protected
 - Conifer (Dead) to Be Protected
 - Conifer (Living) to Be Removed
 - Conifer (Dead) to Be Removed
- Root Protection Zone
- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Fill Area
- Cut Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- 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

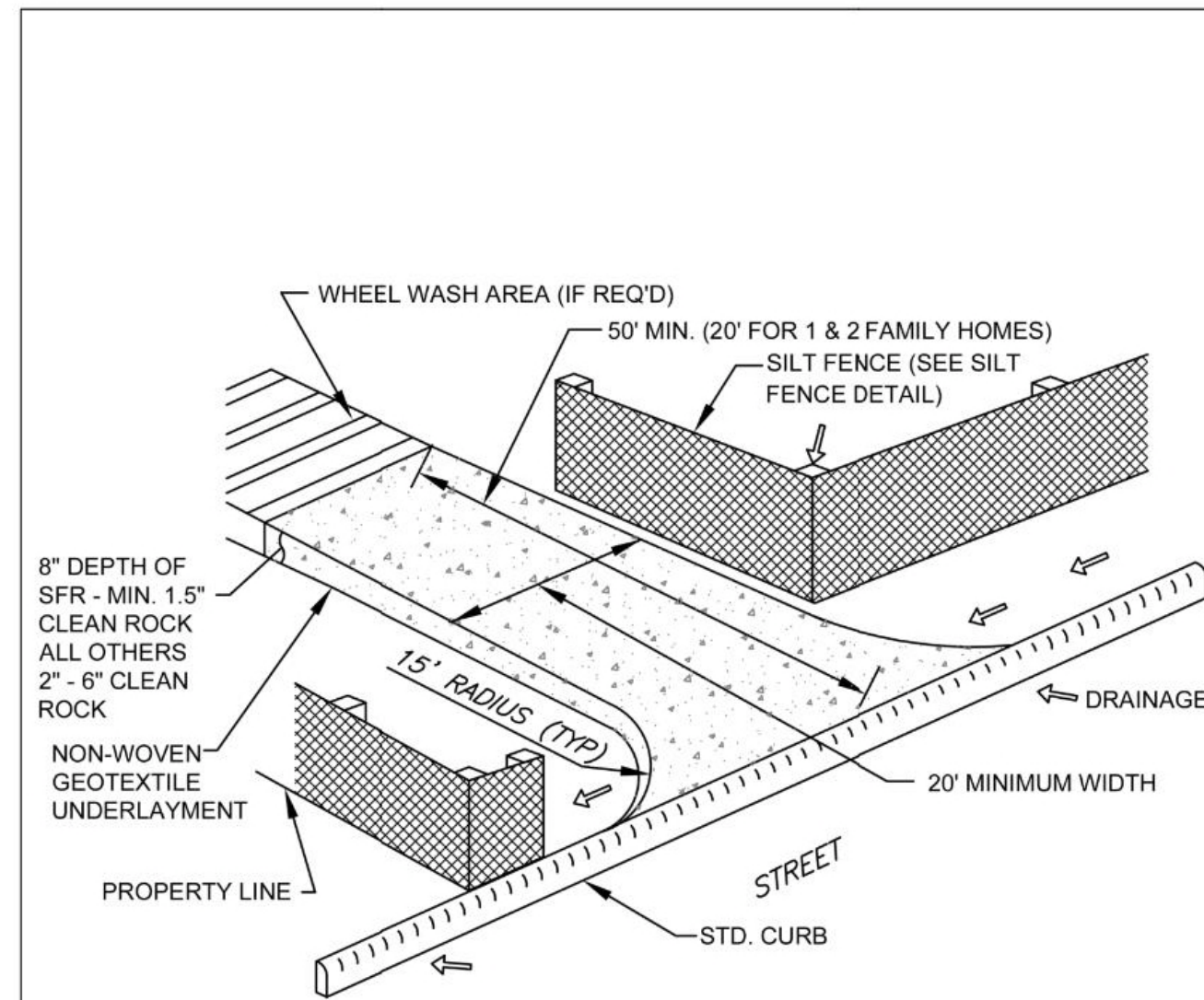
NOTES:

1. Graphic symbols are approximate. Place erosion control measures as required or directed.
2. Erosion Control BMPs may be installed in RPZs without further review.
3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L221

MATCHLINE SEE SHEET L223



STABILIZED CONSTRUCTION ACCESS

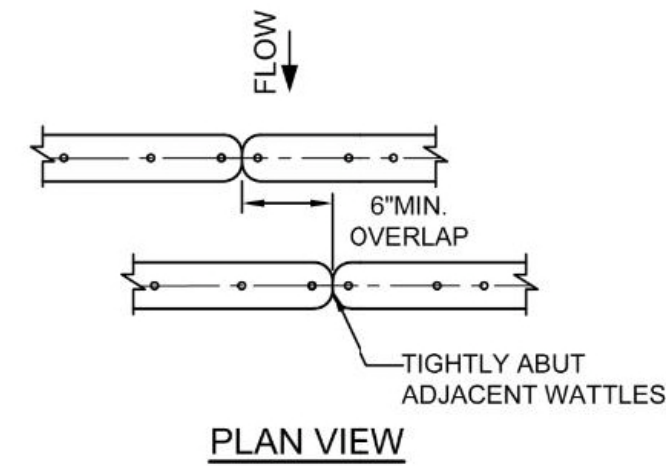
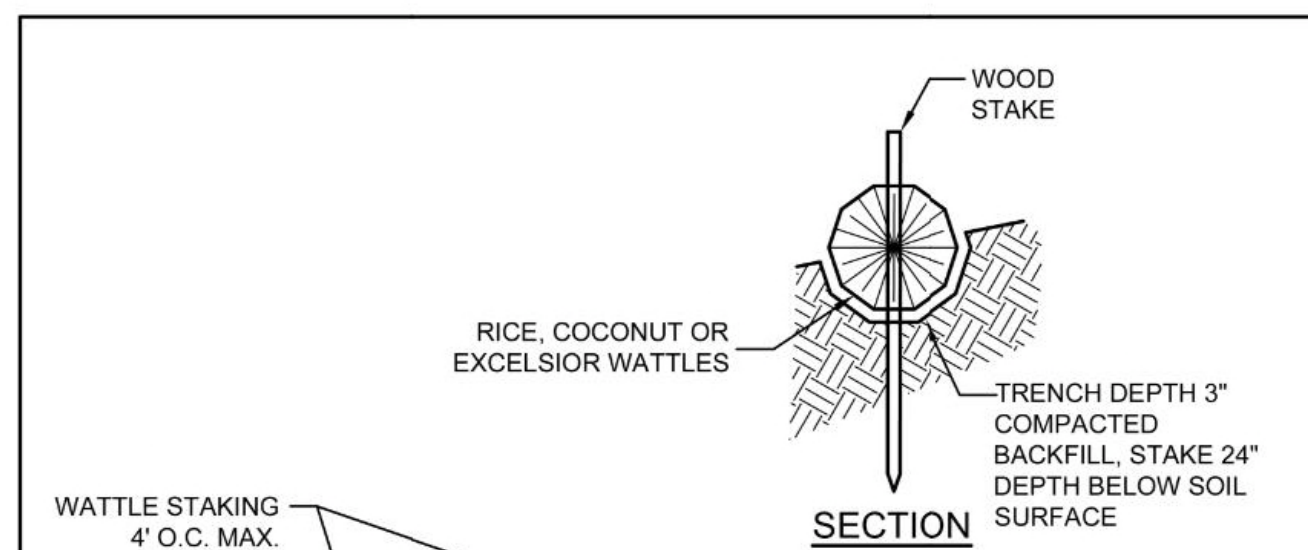
NOTE:
CURB RAMP INSTALLATION SHALL NOT IMPEDED STORMWATER FLOWS, VEHICLE TRAFFIC, AND/OR BICYCLE TRAFFIC.

EROSION CONTROL MANUAL

STABILIZED CONSTRUCTION ACCESS

Detail Drawing 3.12-A

FILE DRAFT:INSPECTORS GRAPHICS DRAWING DR 3.3.1 PLOT 1:1



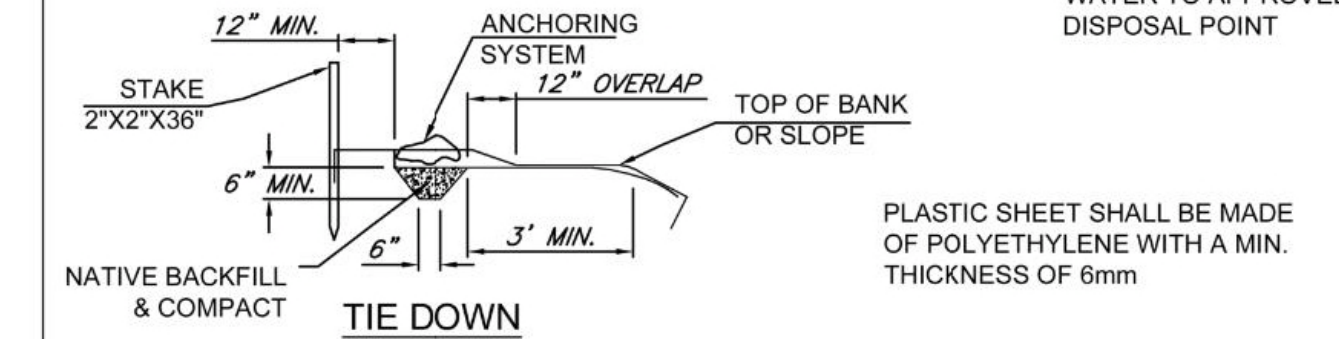
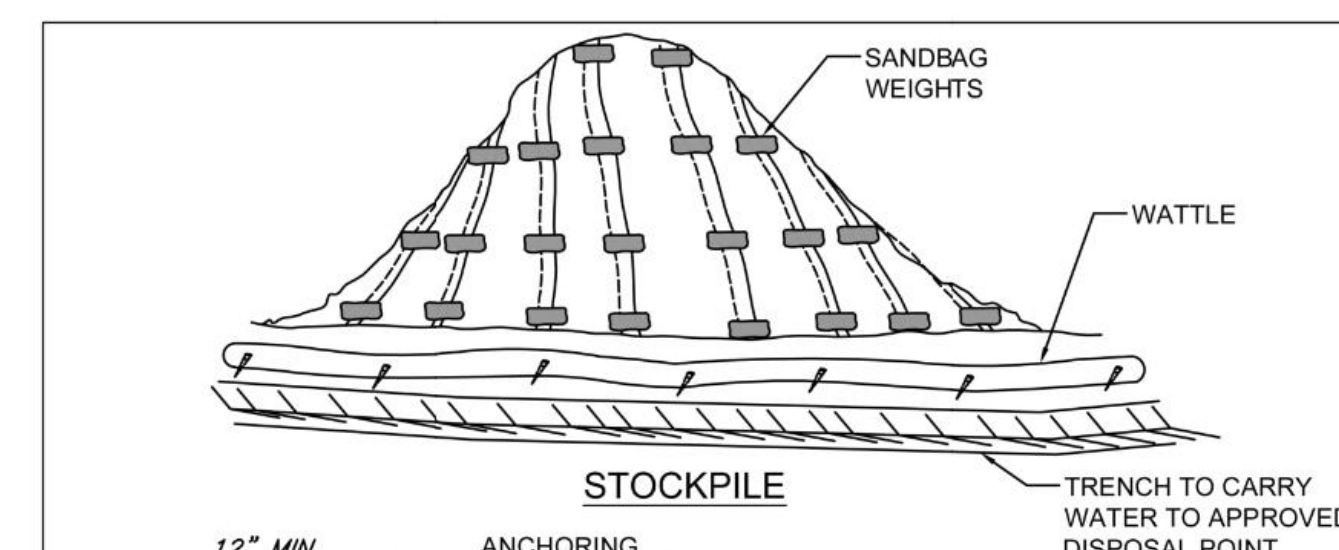
NOTES:
1. STAKING SPECIFICATIONS:
a. 1"x2" WOODEN STAKES
b. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY EROSION SOILS.

EROSION CONTROL MANUAL

FIBER ROLLS AND WATTLES: SLOPE INSTALLATION

Detail Drawing 3.17-A

FILE DRAFT:INSPECTORS GRAPHICS DRAWING PLOT 1:1



TRENCH AND DIVERT WATER TO A CONTROLLED AND STABILIZED ROUTE AWAY FROM PLASTIC SHEETING - ALLOW NO WATER TO GOUNDER PLASTIC SHEETING

USE ROCK OR OTHER SUBSTANTIAL WEIGHT TO SECURE PLASTIC SHEET AT TOP AND TOE OF SLOPE

STEEP SLOPES

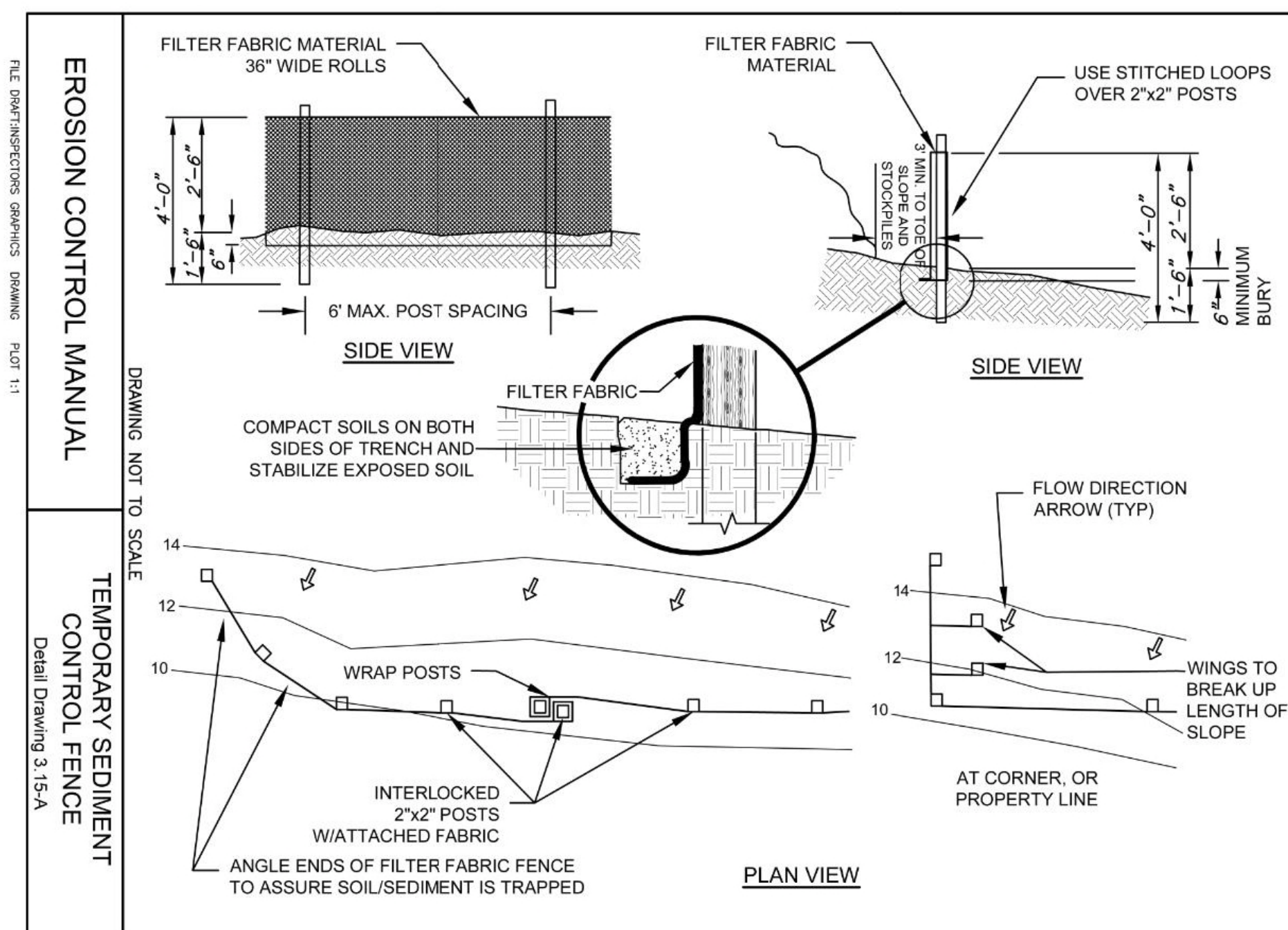
DRAWING NOT TO SCALE

EROSION CONTROL MANUAL

PLASTIC SHEETING

Detail Drawing 3.7-A

FILE DRAFT:INSPECTORS GRAPHICS DRAWING PLOT 1:1

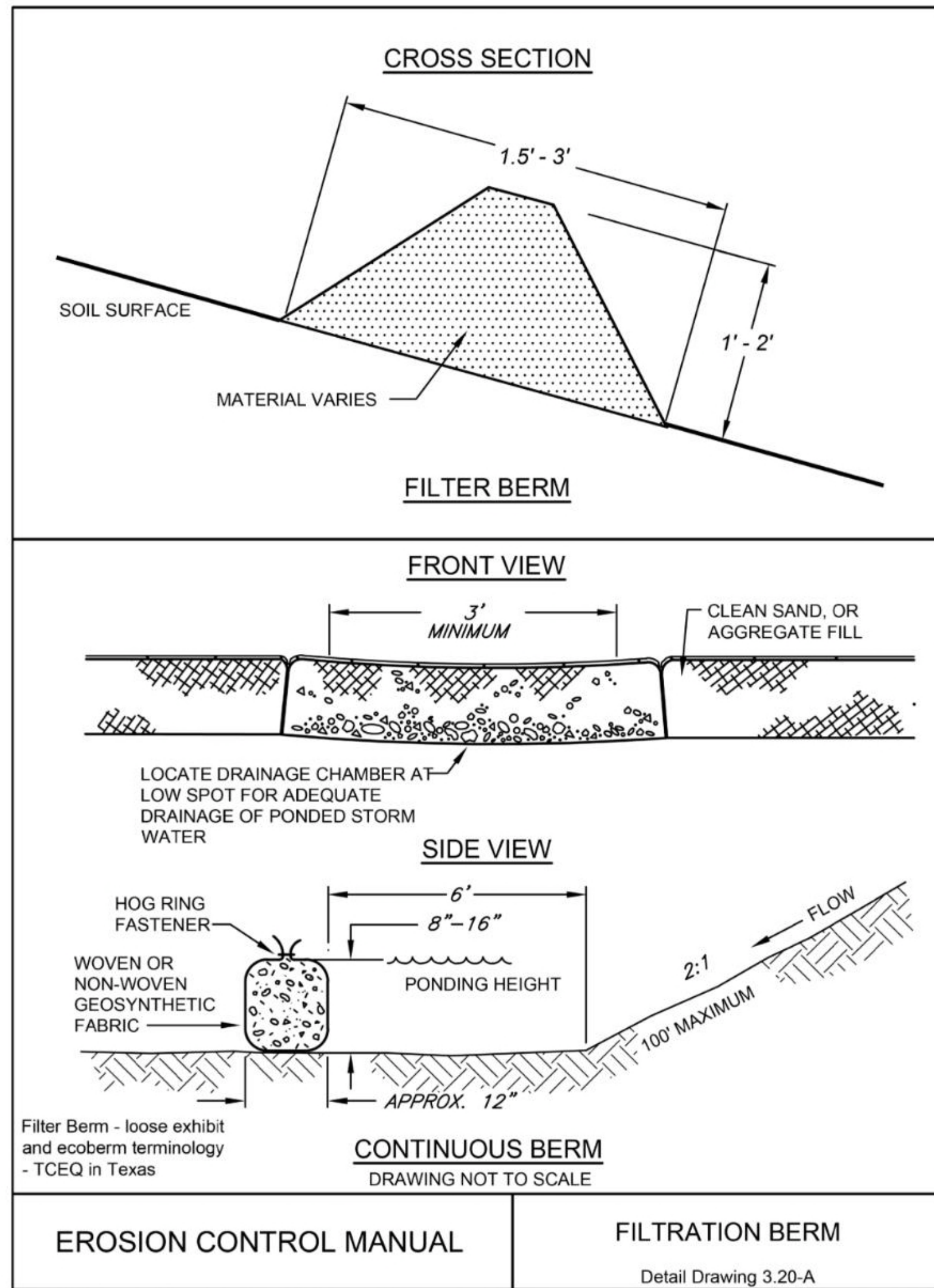


EROSION AND SEDIMENT CONTROL NOTES:

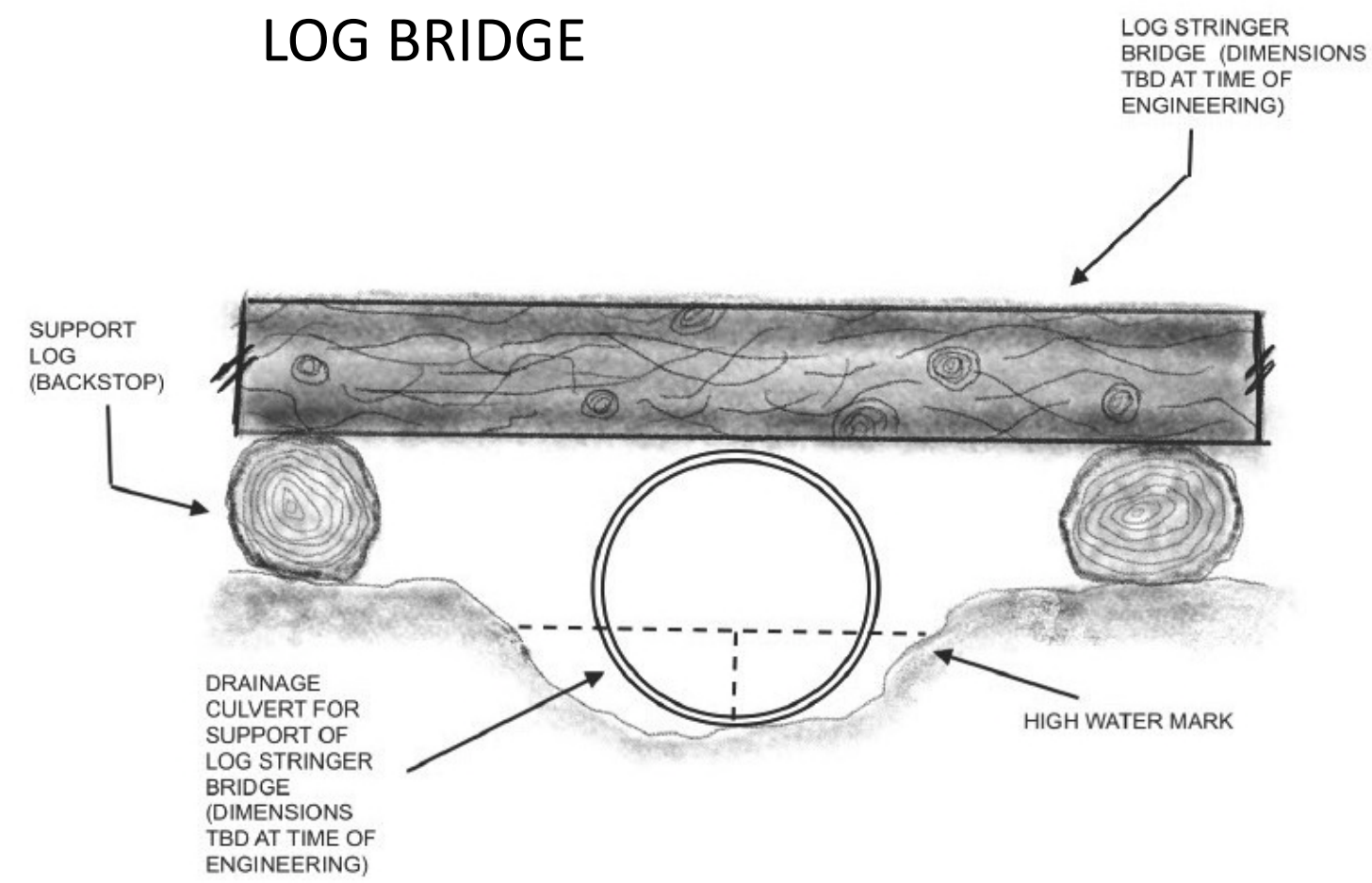
- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, TREE PROTECTION, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING.
- TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SILT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROVED MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- USE BMPs SUCH AS BIO-BAG SEDIMENT BARRIER AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.

EROSION AND SEDIMENT CONTROL PHASING:

- PHASE 1 - PRE-CONSTRUCTION
- INSTALL TREE PROTECTION FENCING
 - INSTALL SEDIMENT CONTROL FENCING
 - INSTALL CONSTRUCTION ENTRANCES
 - INSTALL CHECK DAMS
 - INSTALL PERIMETER FIBER ROLLS/WATTLES
- PHASE 2 - POST-CONSTRUCTION
- INSTALL FIBER ROLLS/WATTLES THROUGH SITE INTERIOR AS INDICATED ON PLANS

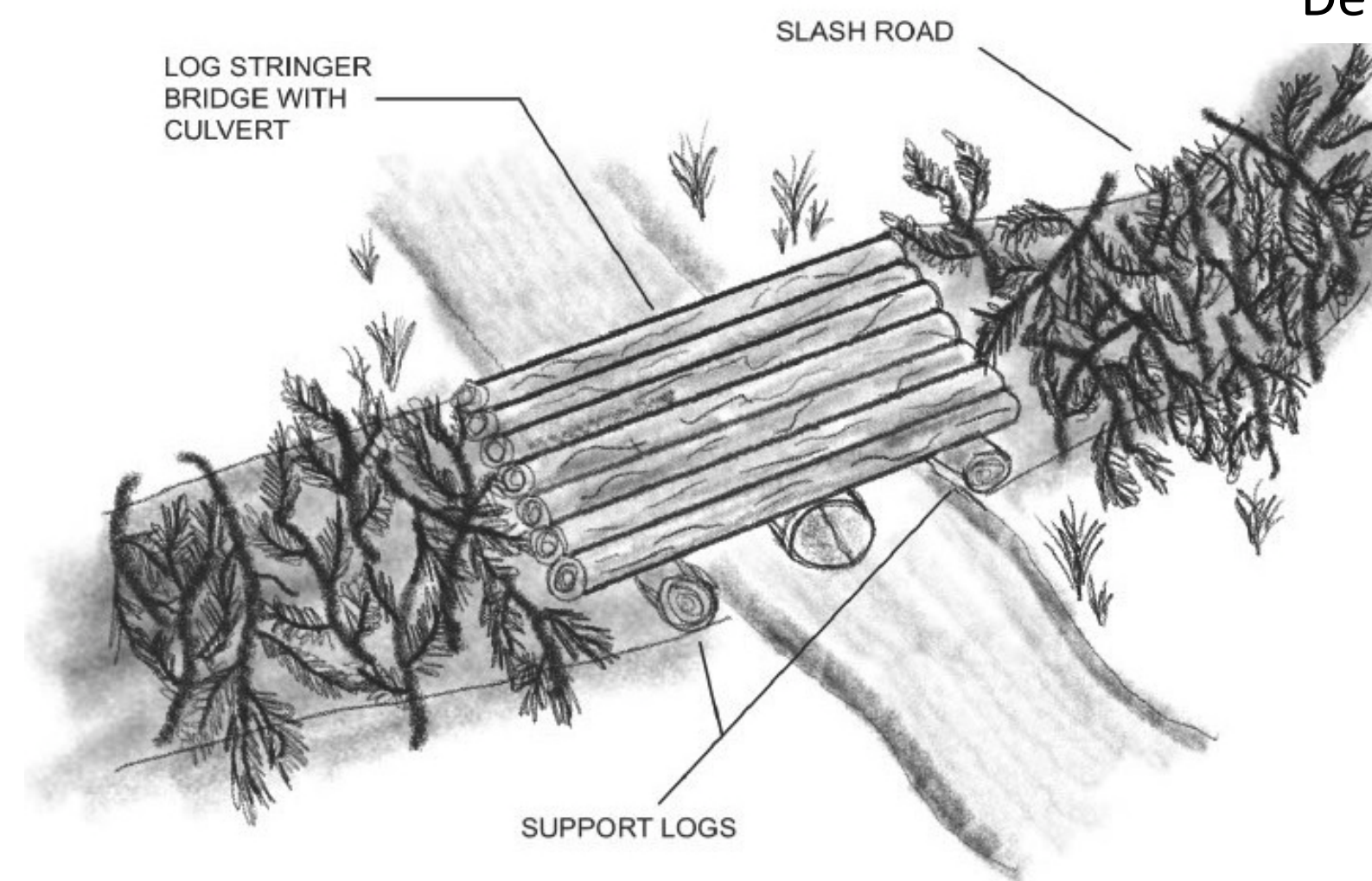


LOG BRIDGE

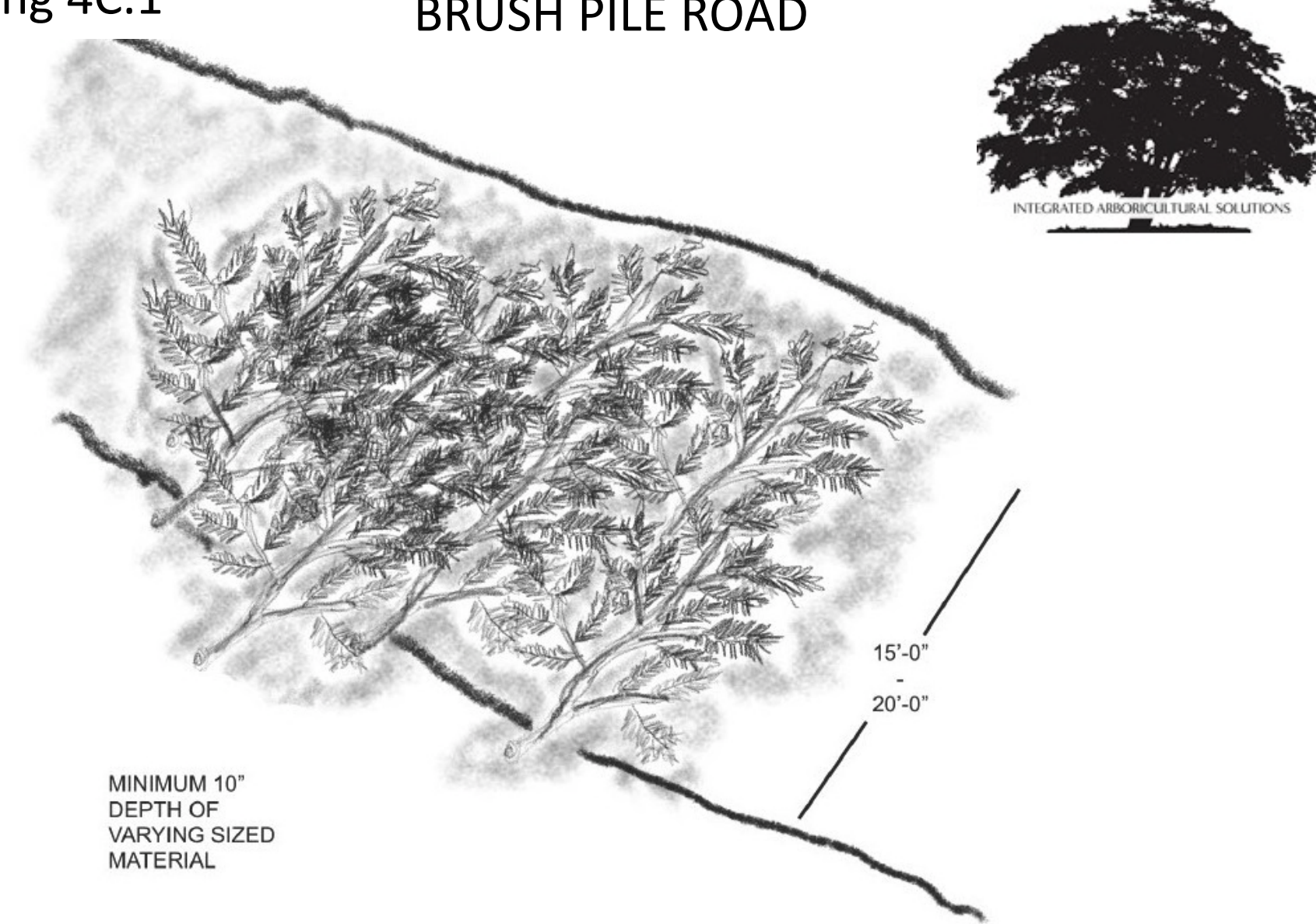


Not to Scale
 Adapted from USFS Std. 961-10-03b, ANSI A300 Part 5, and ISA BMP (Managing Trees During Construction)

Detail Drawing 4C.1

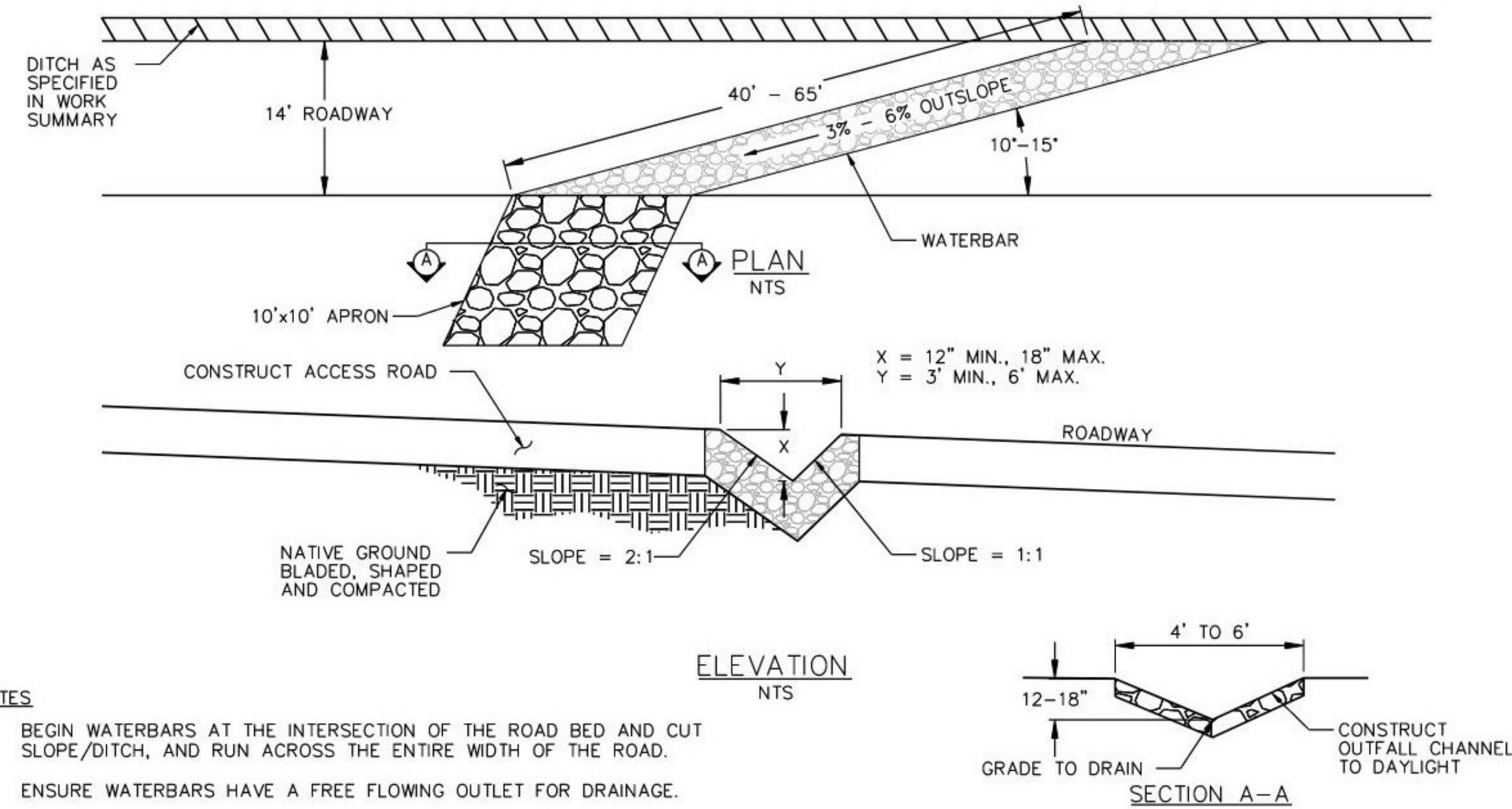


BRUSH PILE ROAD



WATER BAR

Detail Drawing 4C.2

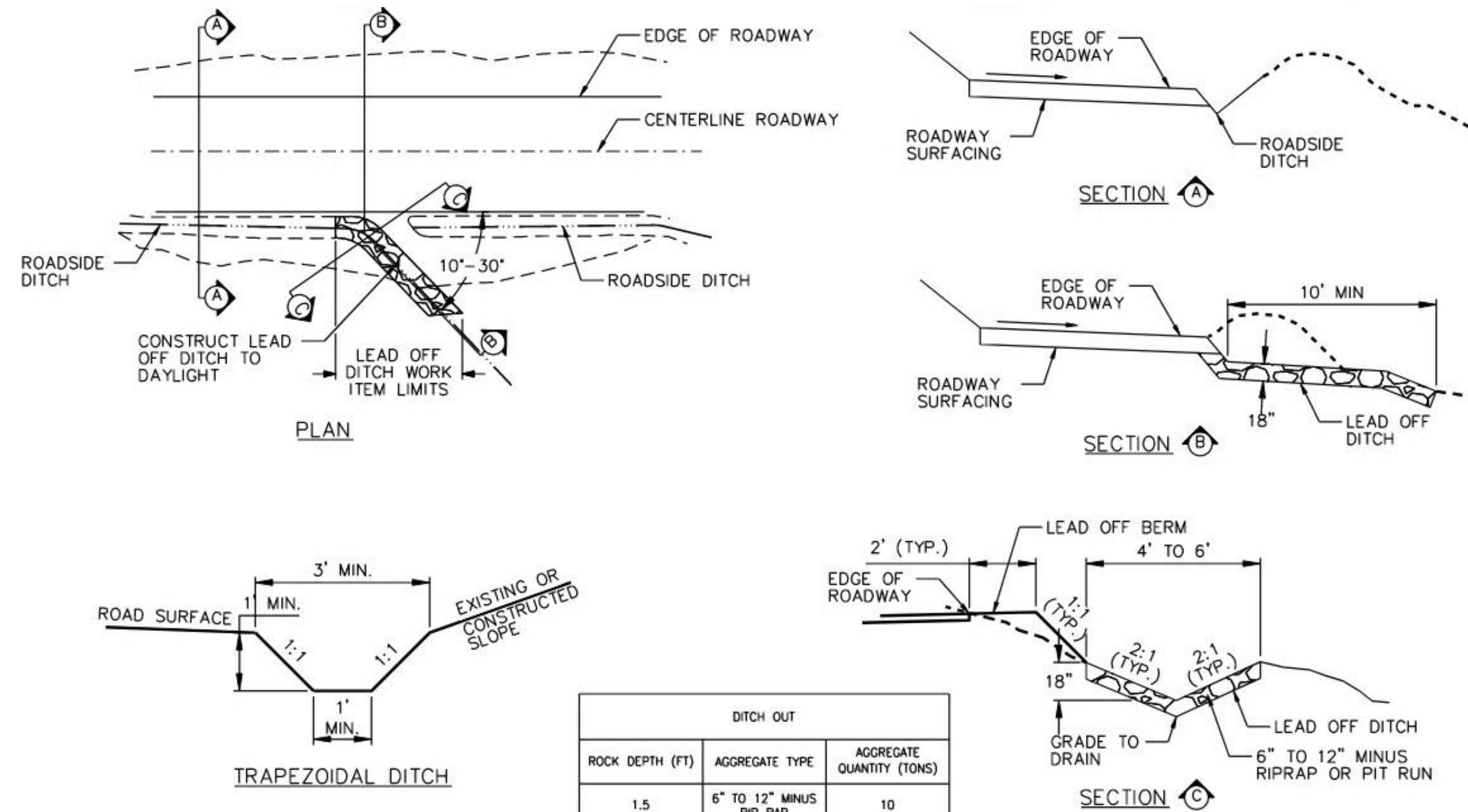


- NOTES**
1. BEGIN WATERBARS AT THE INTERSECTION OF THE ROAD BED AND CUT SLOPE/DITCH, AND RUN ACROSS THE ENTIRE WIDTH OF THE ROAD.
 2. ENSURE WATERBARS HAVE A FREE FLOWING OUTLET FOR DRAINAGE.
 3. WATERBAR LOCATION PER THE WORK SUMMARY ON THE PHOTO MAPS.
 4. WATERBARS ARE TO BE EXCAVATED INTO THE SUBGRADE AND COMPACTED WITH A VIBRATORY ROLLER.

Credit: MacKay Spósito

DITCH RELIEF

Detail Drawing 4C.3



Credit: MacKay Spósito