

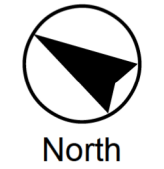
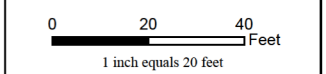
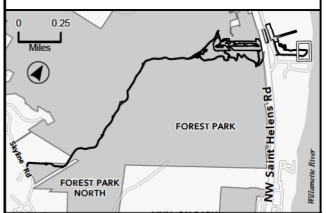
Legend

- 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 (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)
- Cut Area
- Fill 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)

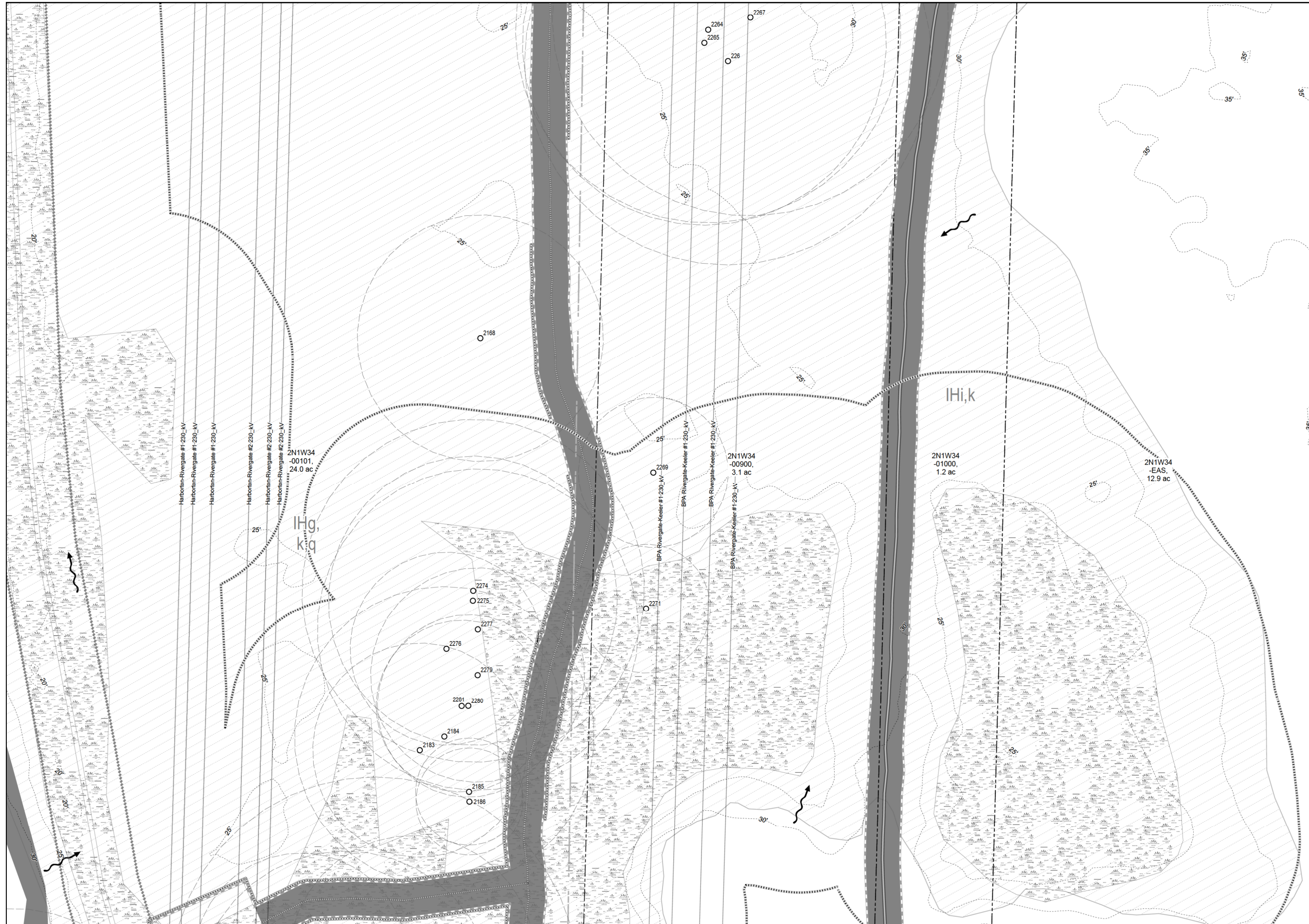
**Area of Temporary Wetland Encroachment:**  
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac  
 Area of Temporary Disturbance in Greenway Setback: 3,078 sq ft; 0.07 ac

**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.



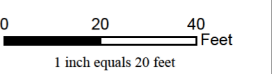
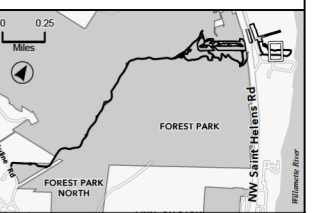
MATCHLINE SEE SHEET L202



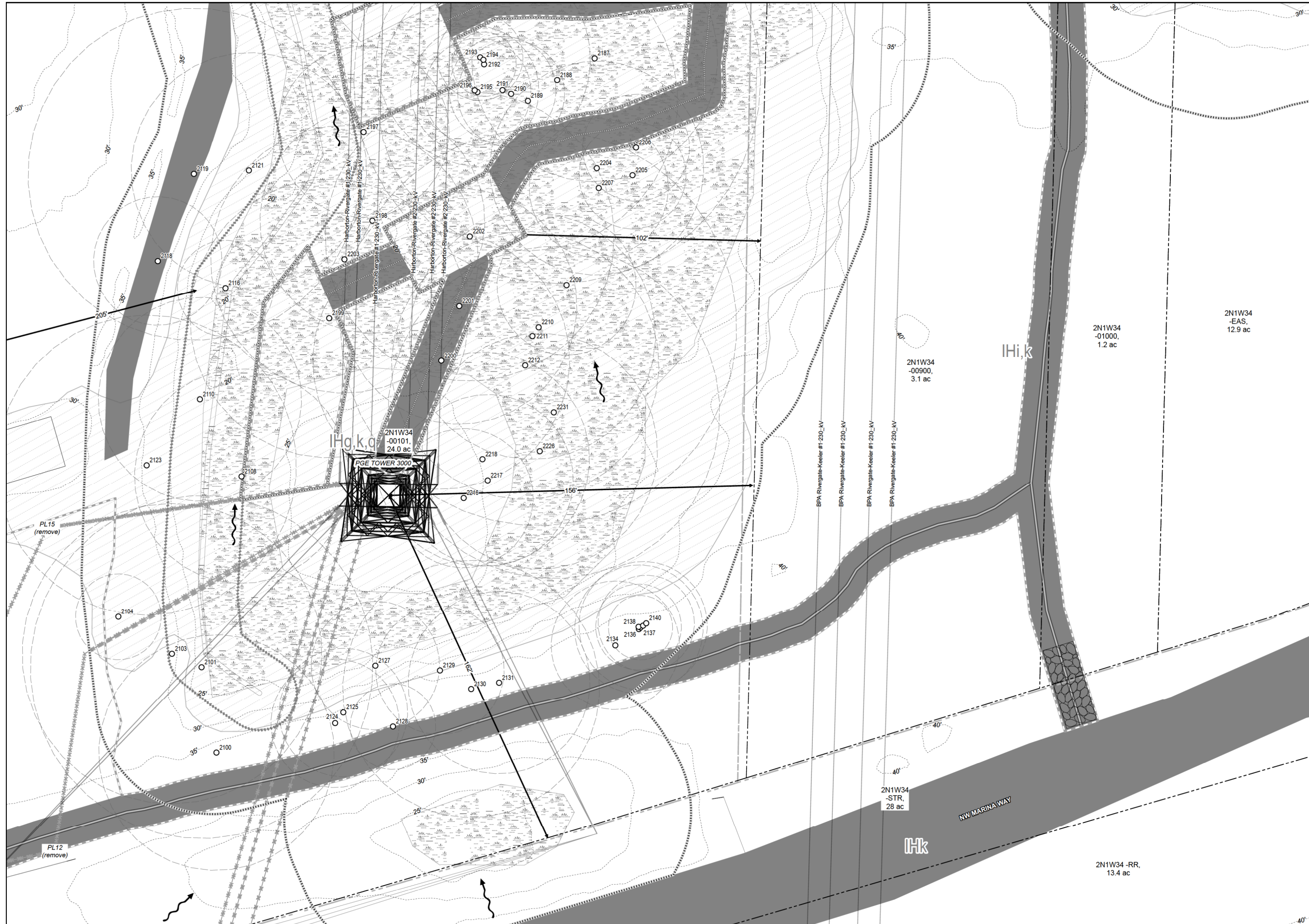
- Legend**
- Limits of Disturbance (no heavy equipment usage beyond this boundary; hand work only)
  - Temporary Construction BMPs**
    - Fiber Rolls/Straw Wattles
    - Filtration Berm
    - Sediment Control Fence
    - Tree Protection Fencing
    - Erosion Control Seeding (Hydressed with Bonded Fiber 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)
  - Cut Area
  - Fill 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. L.226.



MATCHLINE SEE SHEET L202



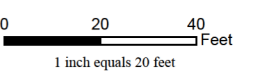
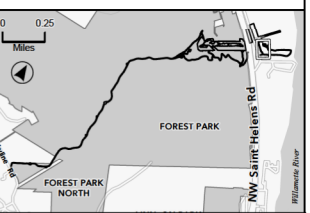
MATCHLINE SEE SHEET L205, L204



- 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
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  - Cut Area
  - Fill Area
  - Staging Area
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  - 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.



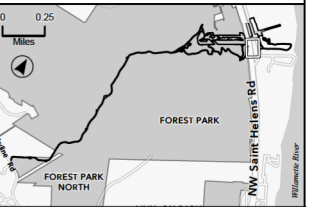


Legend

- 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 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
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- Root Protection Zone
- Existing Maintenance Access Road Centerline
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- Proposed Temporary Logging Haul Route
- Proposed Temporary Circulation Route
- Edge of Roadway/Access Road (approximate)
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- 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

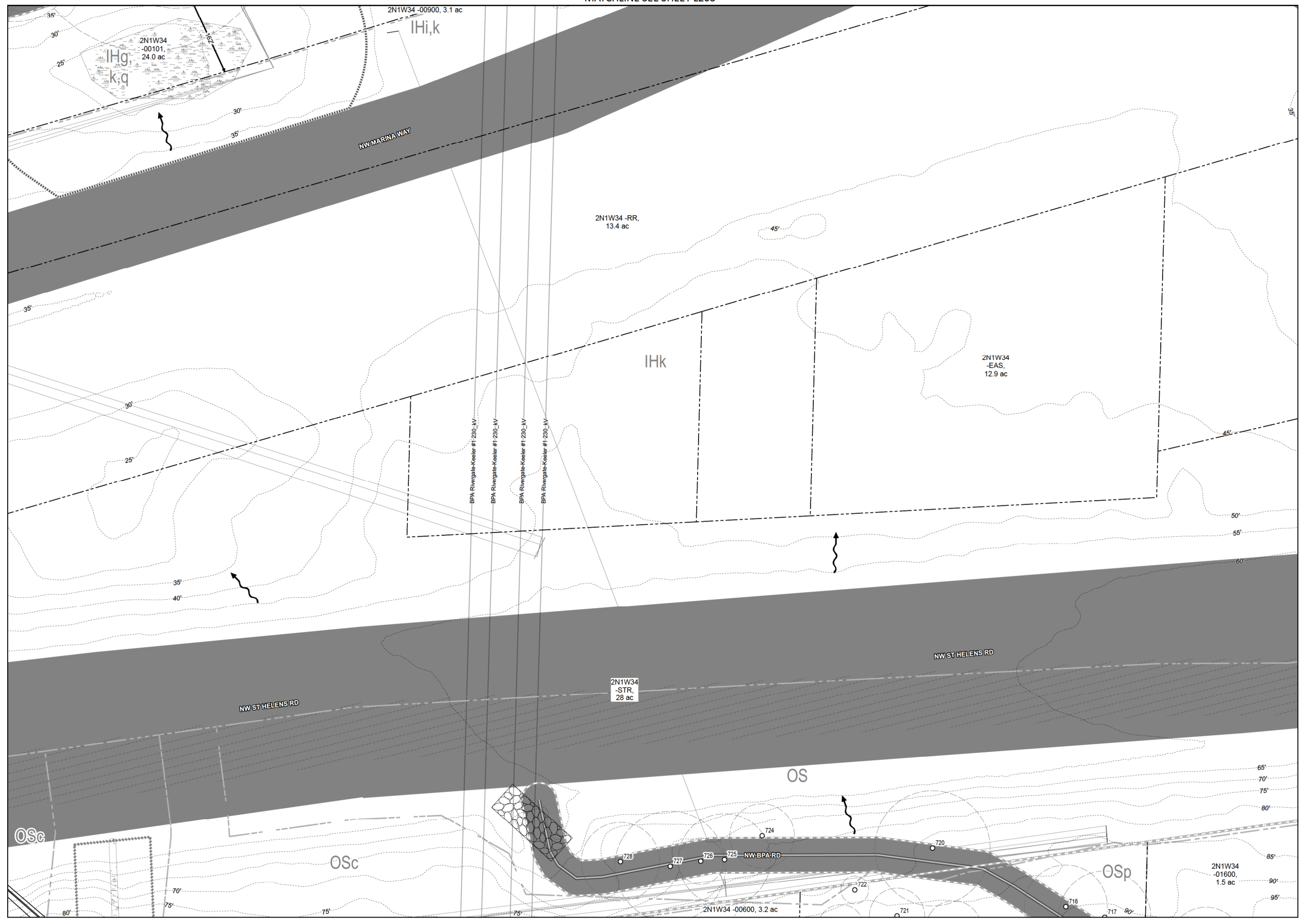
**NOTES:**  
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.  
 2. Erosion Control BMPs may be installed in RPZs without further review.  
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L.226.



0 20 40 Feet  
 1 inch equals 20 feet



MATCHLINE SEE SHEET L205



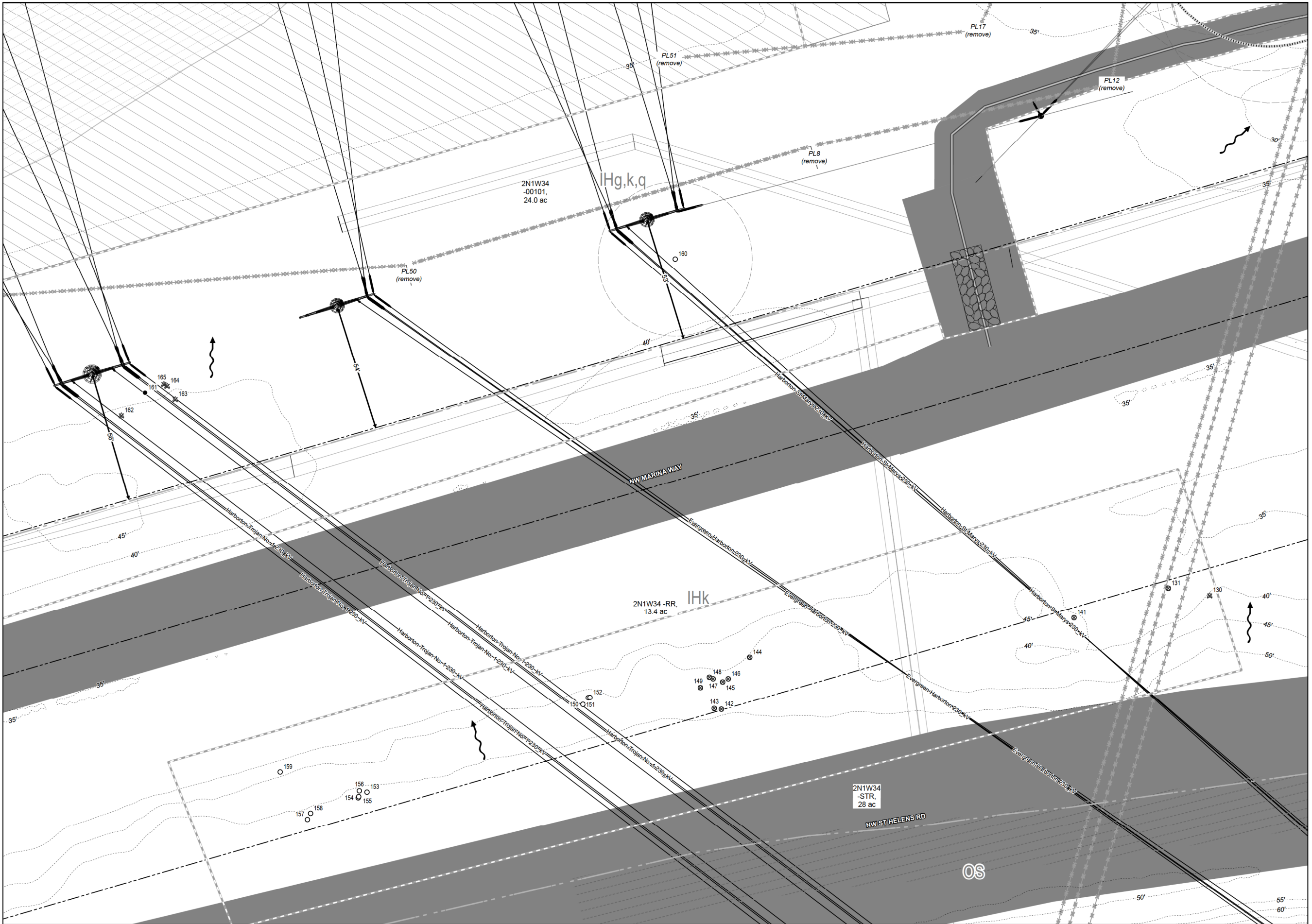
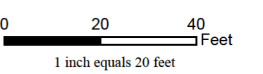
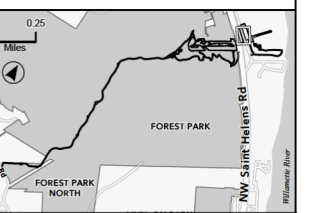


Legend

- 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 (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)
- Cut Area
- Fill 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.



MATCHLINE SEE SHEET L204

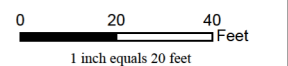
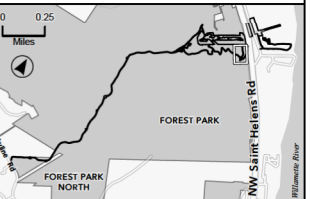
MATCHLINE SEE SHEET L207

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 (Hydrosed 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)
- Cut Area
- Fill 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. L.226.

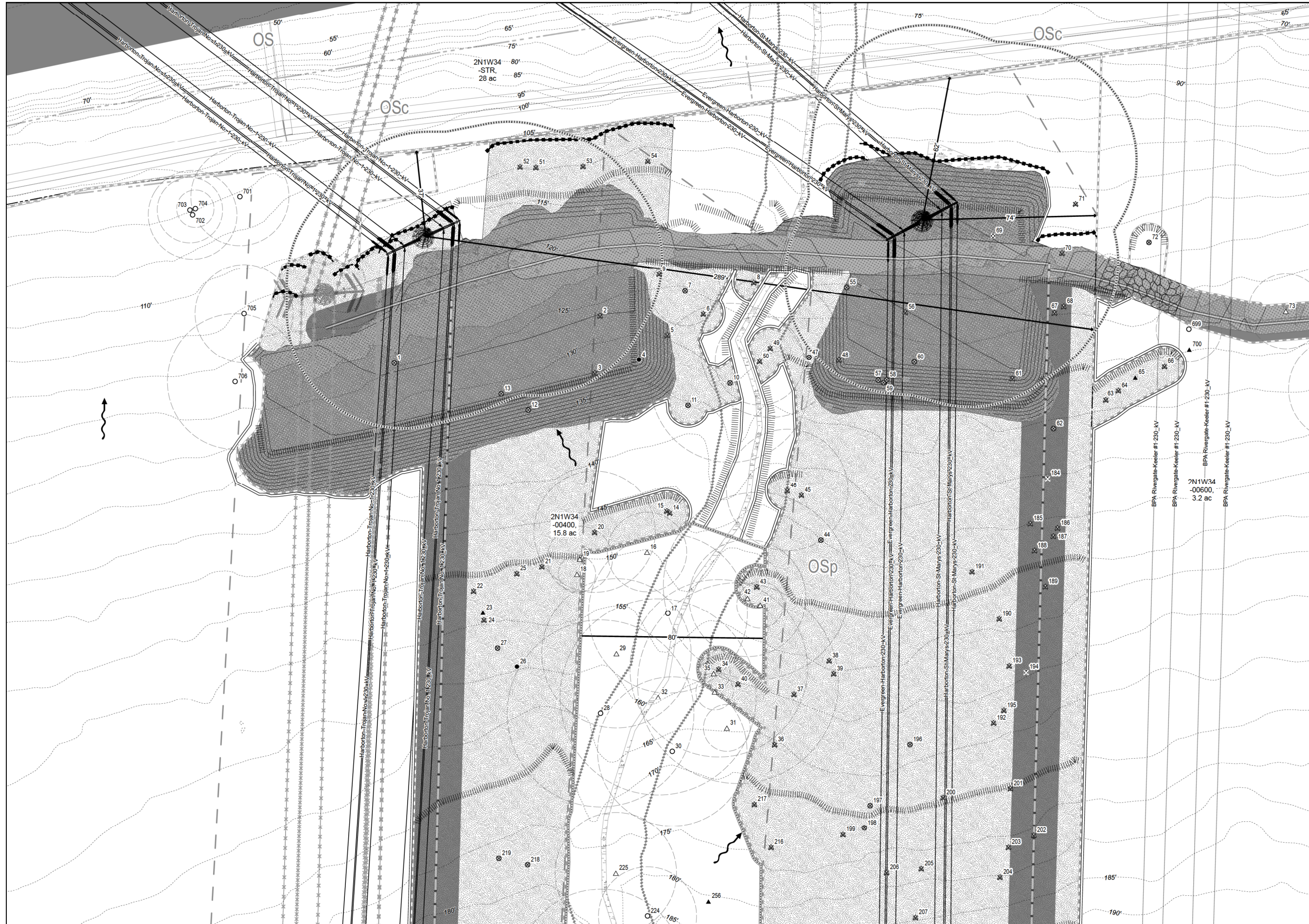


MATCHLINE SEE SHEET L204

MATCHLINE SEE SHEET L208

MATCHLINE SEE SHEET L207

MATCHLINE SEE SHEET L205, L204



Legend

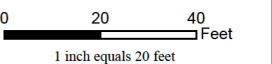
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
- Temporary Construction BMPs
  - Fiber Rolls/Straw Wattles
  - Filtration Berm
  - Sediment Control Fence
  - Tree Protection Fencing
  - Work Zone Delineation Fencing
  - Erosion Control Seeding (Hydroseed with 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)
- Cut Area
- Fill 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)

MATCHLINE SEE SHEET L206

**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. L.226.



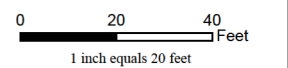
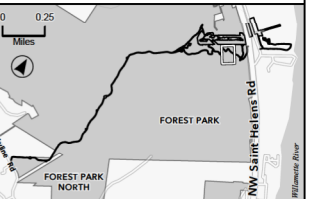
MATCHLINE SEE SHEET L209

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 (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)
- Cut Area
- Fill 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. L.226.

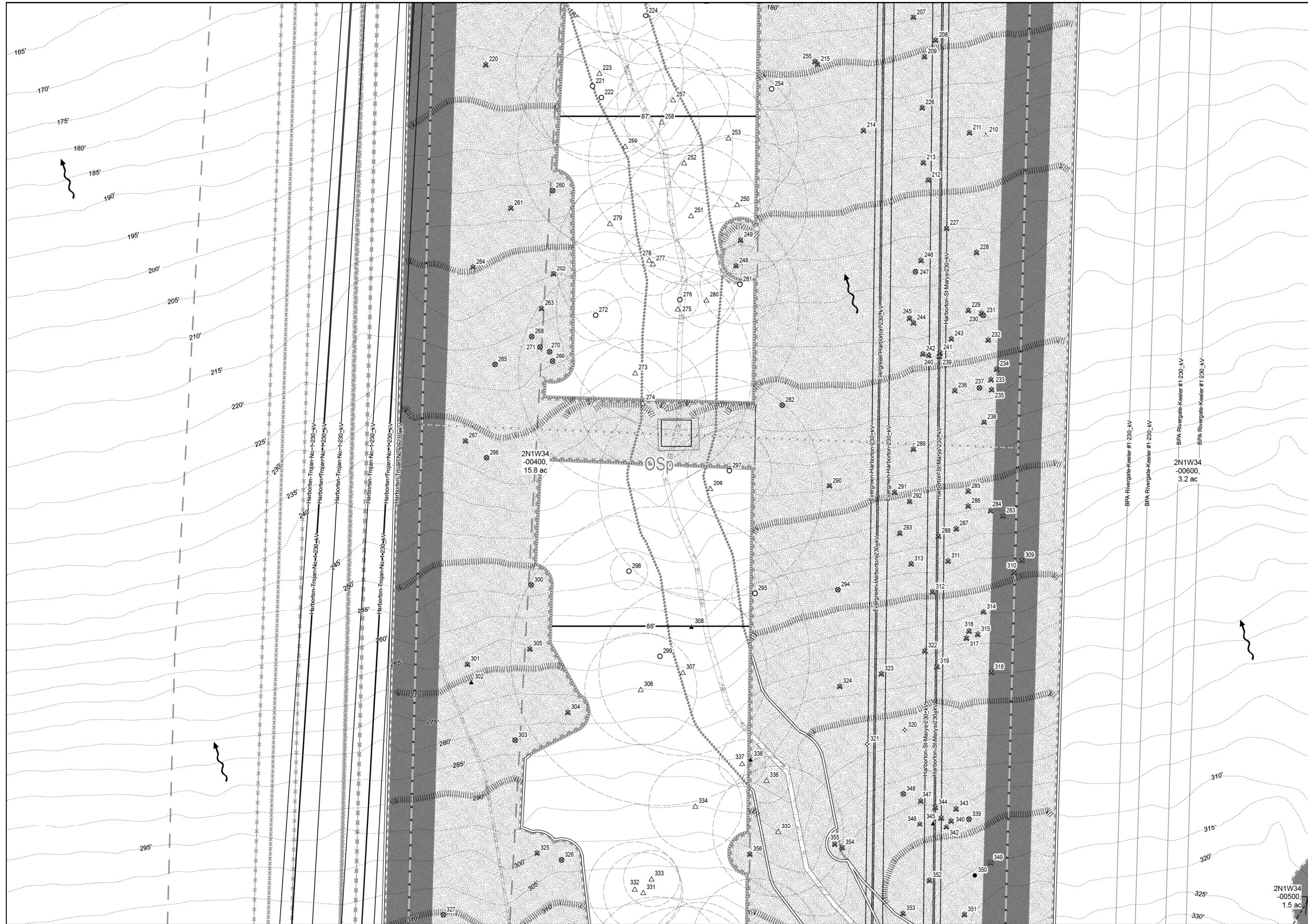


MATCHLINE SEE SHEET L209

MATCHLINE SEE SHEET L206

MATCHLINE SEE SHEET L210



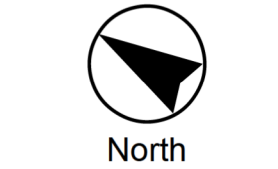
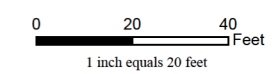
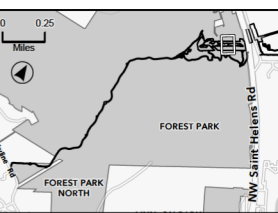


- Legend**
- Limits of Disturbance (no heavy equipment usage beyond this boundary, hand work only)
  - Temporary Construction BMPs**
    - Fiber Rolls/Straw Wattles
    - Filtration Berm
    - Sediment Control Fence
    - Tree Protection Fencing
    - Work Zone Delineation Fencing
    - Erosion Control Seeding (Hydressed 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
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  - 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)
  - Cut Area
  - Fill 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)

MATCHLINE SEE SHEET L208

**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



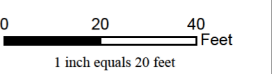
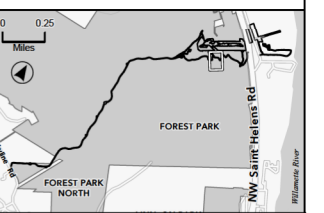
MATCHLINE SEE SHEET L212



- 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 (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)
  - Cut Area
  - Fill 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)

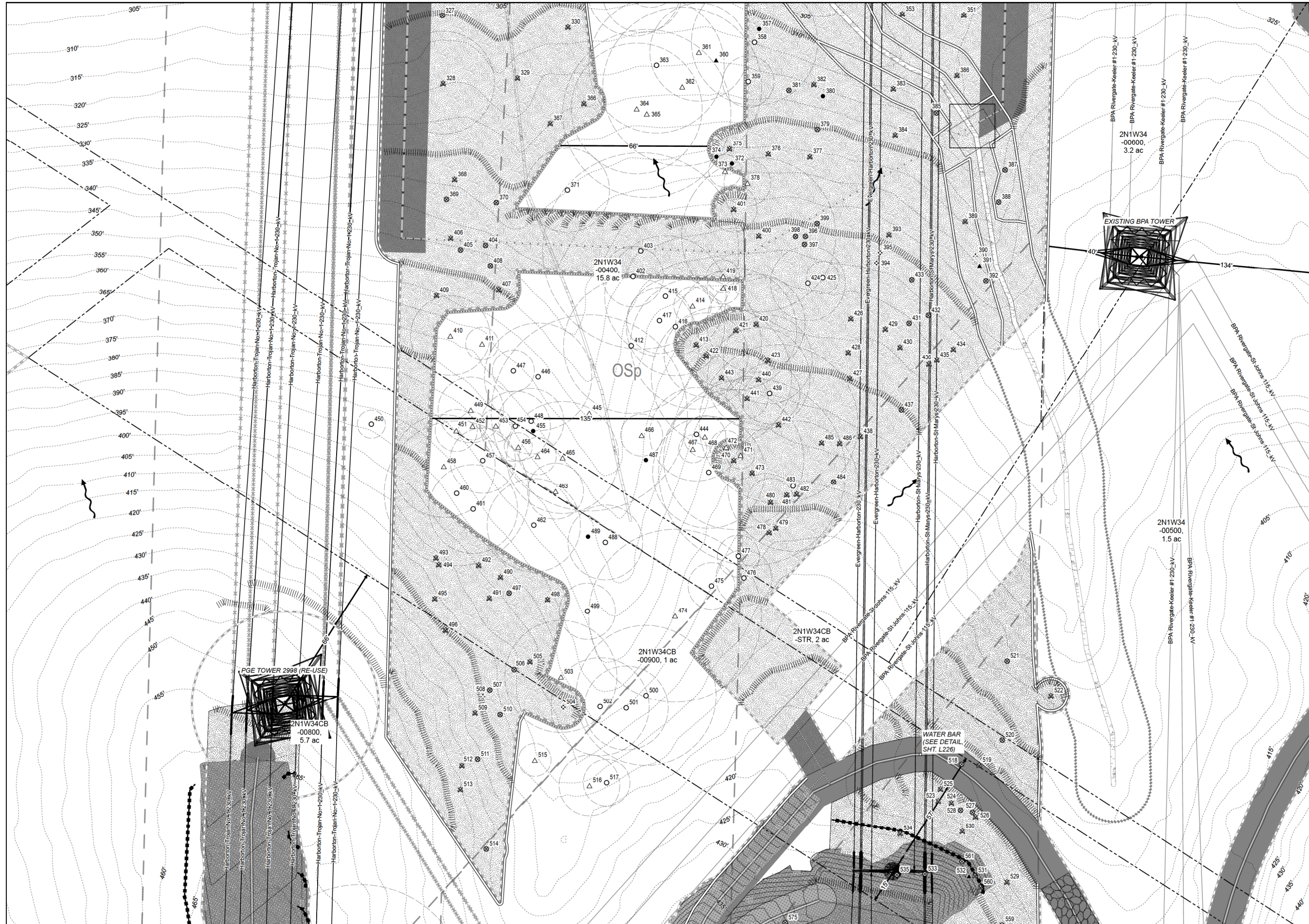
**Area of Temporary Wetland Encroachment:**  
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac  
**Area of Temporary Disturbance in Greenway Setback:**  
 3,078 sq ft; 0.07 ac  
**Area of Permanent Wetland Encroachment:**  
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac  
 Wetland B (Forest Park): 1,854 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 L211

MATCHLINE SEE SHEET L209



MATCHLINE SEE SHEET L212, 213

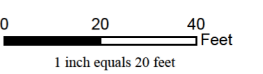
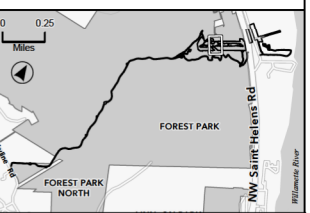


Legend

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



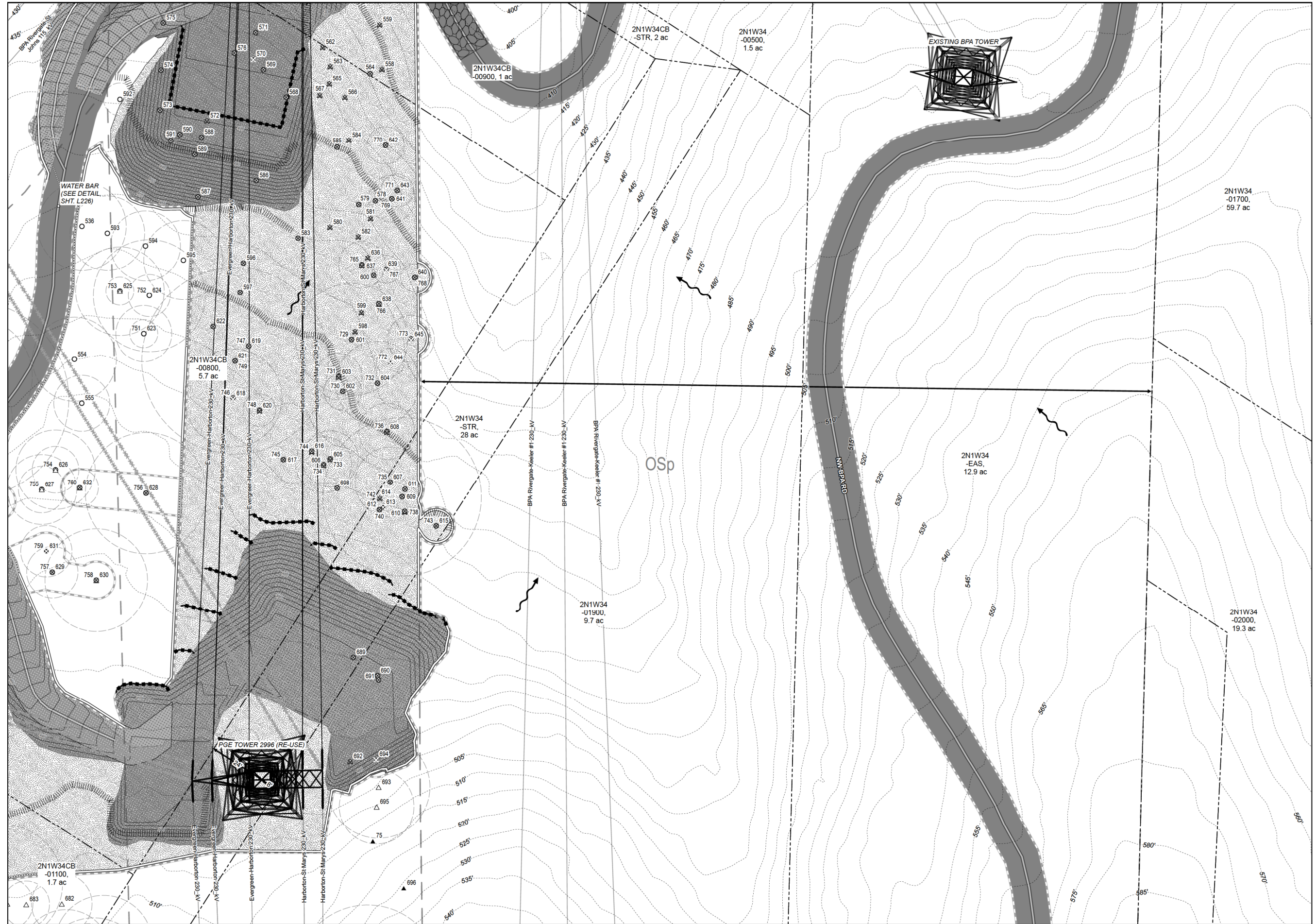
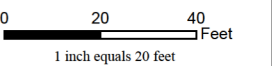
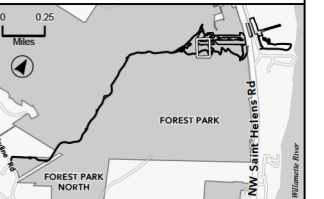
MATCHLINE SEE SHEET L210

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 (Hydroseeded 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)
- Cut Area
- Fill 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



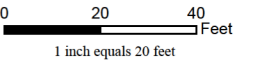
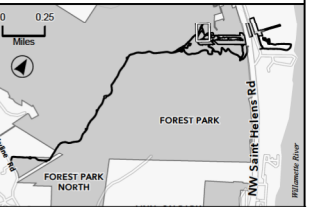
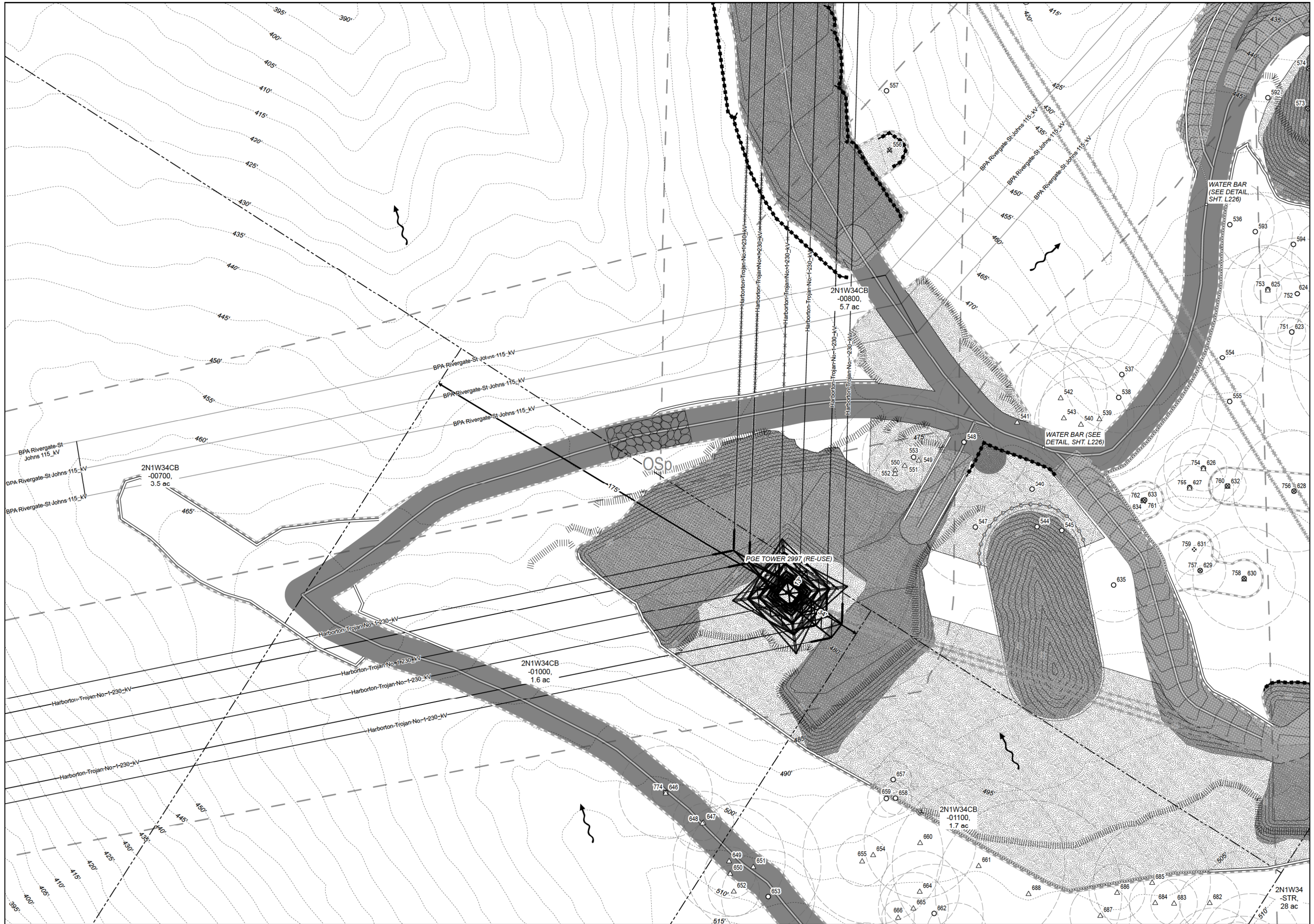
Legend

- 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 (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)
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- Grading Contour (1-ft intervals)
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- Fill 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

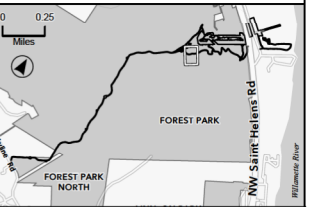


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary; hand work only)
- Temporary Construction BMPs
  - 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
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  - 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)
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- Grading Contour (1-ft intervals)
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- Fill 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. L.226.

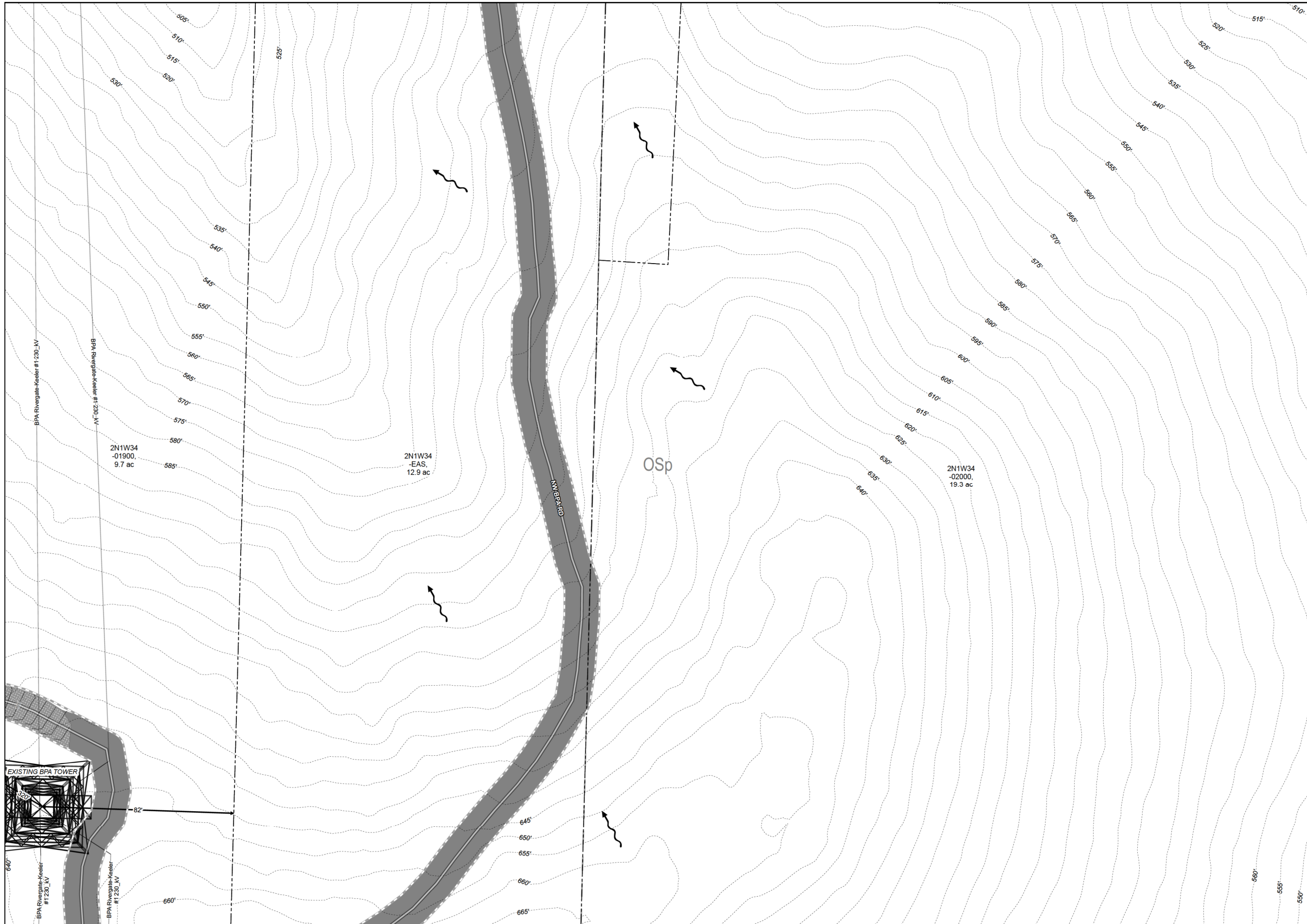


0 20 40 Feet  
 1 inch equals 20 feet



North

MATCHLINE SEE SHEET L215



MATCHLINE SEE SHEET L216

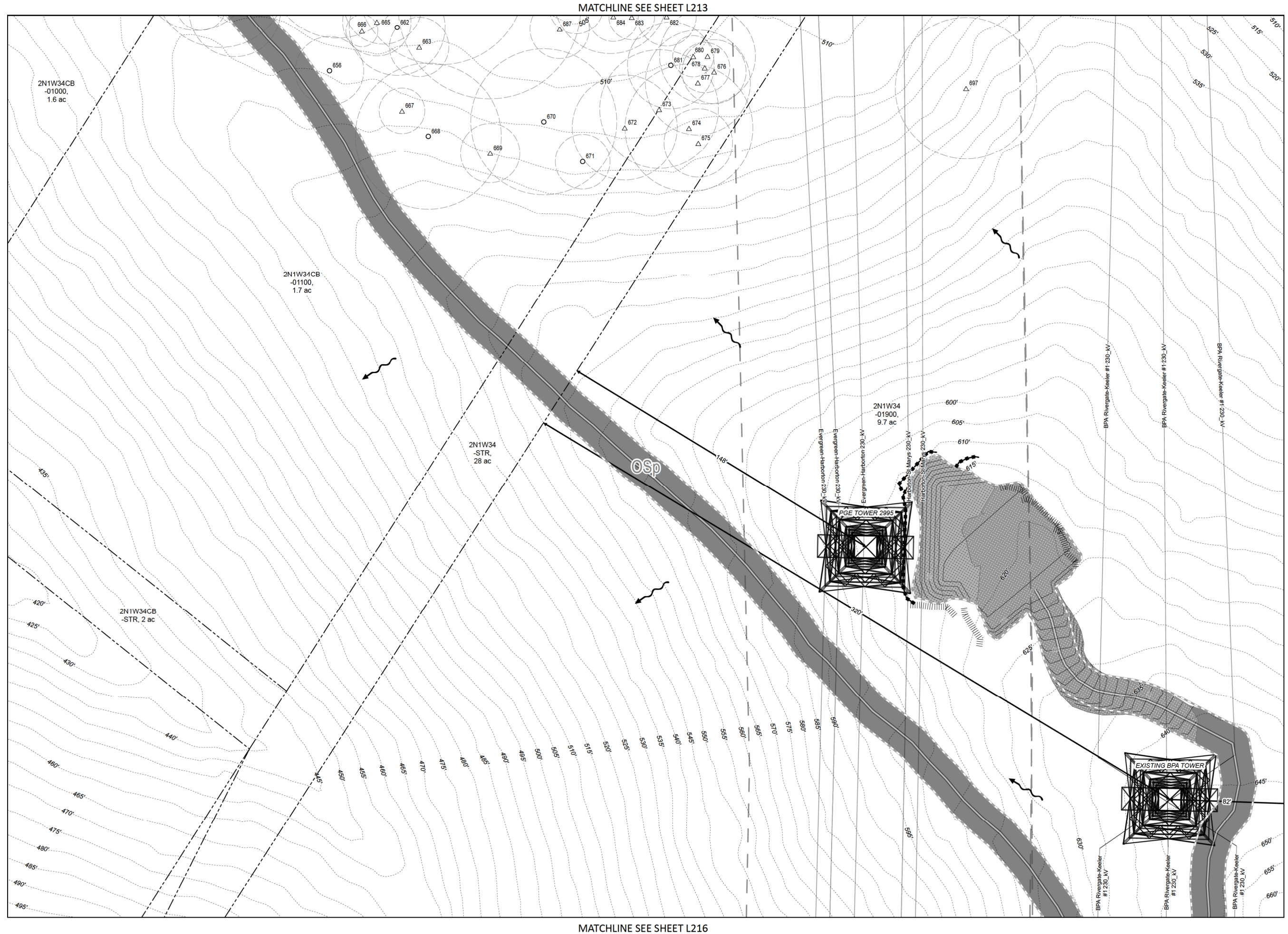
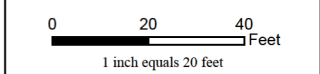
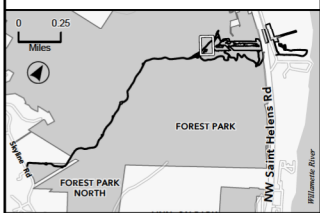


Legend

- 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 (Hydrosed 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)
- Cut Area
- Fill 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

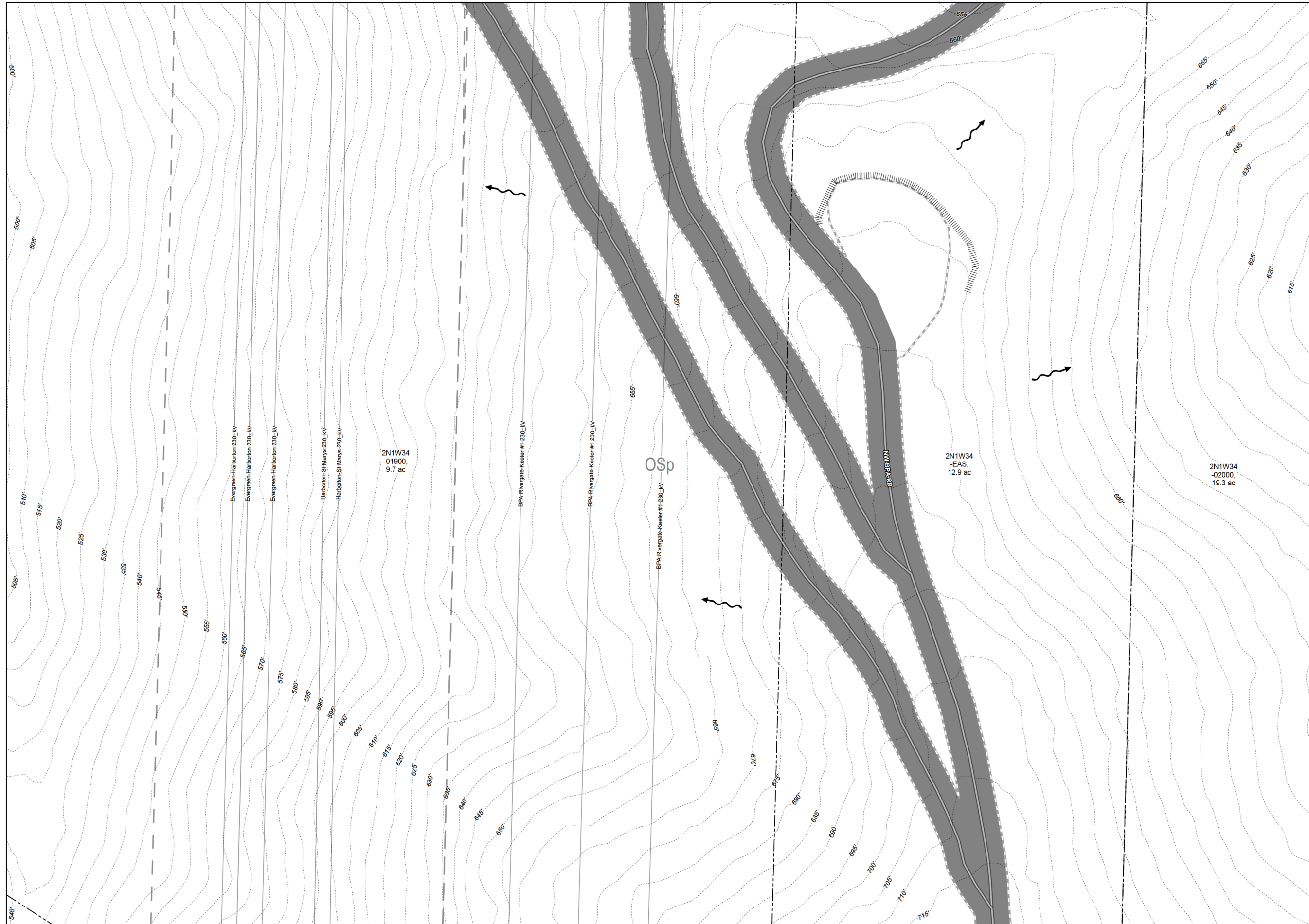
NOTES:  
 1. Graphic symbols are approximate. Place erosion control measures as required or directed.  
 2. Erosion Control BMPs may be installed in RPZs without further review.  
 3. Water bar and ditch relief detail drawings 4C.2 and 4C.3 are shown on Sht. L226.



MATCHLINE SEE SHEET L213

MATCHLINE SEE SHEET L216

MATCHLINE SEE SHEET L214

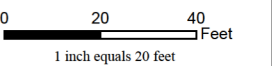
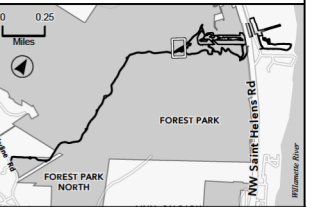


Legend

- 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
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  - Conifer (Living) to Be Protected
  - Conifer (Dead) to Be Protected
  - Conifer (Living) to Be Removed
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  - Root Protection Zone
- Existing Maintenance Access Road Centerline
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- Edge of Roadway/Access Road (approximate)
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- Drainage Flow
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- Zoning (City of Portland)
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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  
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 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac  
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- 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.





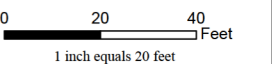
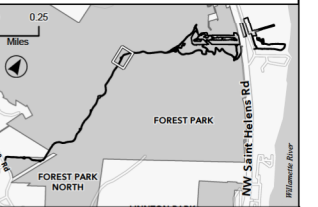


Legend

- Limits of Disturbance (no heavy equipment usage beyond this boundary; hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
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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:**  
 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. L.226.





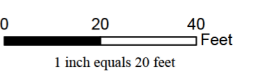
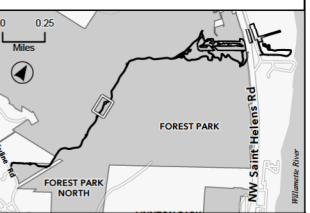
MATCHLINE SEE SHEET L219

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 (Hydeseed with Bonded Fiber Matrix on Slopes > 50%)
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  - Deciduous Tree (Living) to Be Protected
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- Existing Maintenance Access Road Centerline
- Proposed Temporary Access Road
- Proposed Temporary Logging Haul Route
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- Edge of Roadway/Access Road (approximate)
- Trail
- Grading Contour (1-ft intervals)
- Cut Area
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- 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.



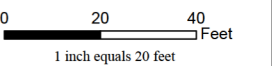


Legend

- 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 (Hydrosed 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
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  - 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)
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- Grading Contour (1-ft intervals)
- Cut Area
- Fill Area
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- Wetland/Ordinary High Water (OHW)
- Drainage Reserve Area
- Drainage Flow
- Culvert
- 100-year Floodplain
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- Zoning (City of Portland)
- Powerline Corridor
- Environmental Transition Zone
- Forest Park Boundary
- Contour (5-foot intervals, vertical datum NAVD88)

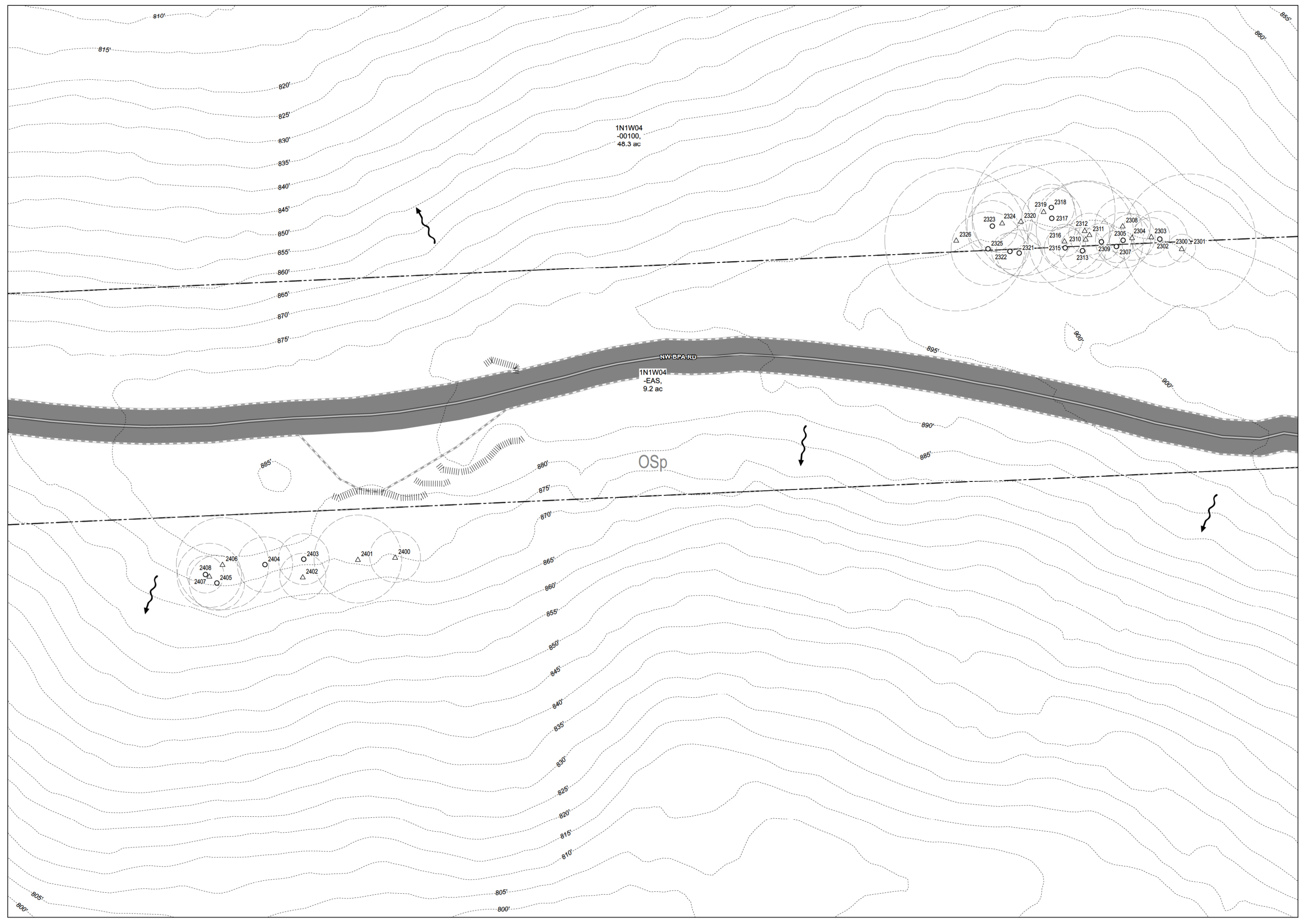
**Area of Temporary Wetland Encroachment:**  
 Wetland F (Harborton S/S): 12,528 sq ft; 0.29 ac  
**Area of Temporary Disturbance in Greenway Setback:**  
 3,078 sq ft; 0.07 ac  
**Area of Permanent Wetland Encroachment:**  
 Wetland A (Forest Park): 1,074 sq ft; 0.02 ac  
 Wetland B (Forest Park): 1,854 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. L.226.



MATCHLINE SEE SHEET L218

MATCHLINE SEE SHEET L220



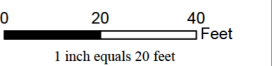
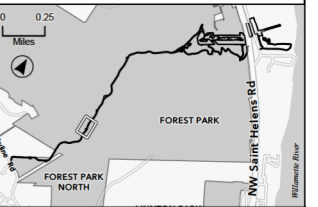


Legend

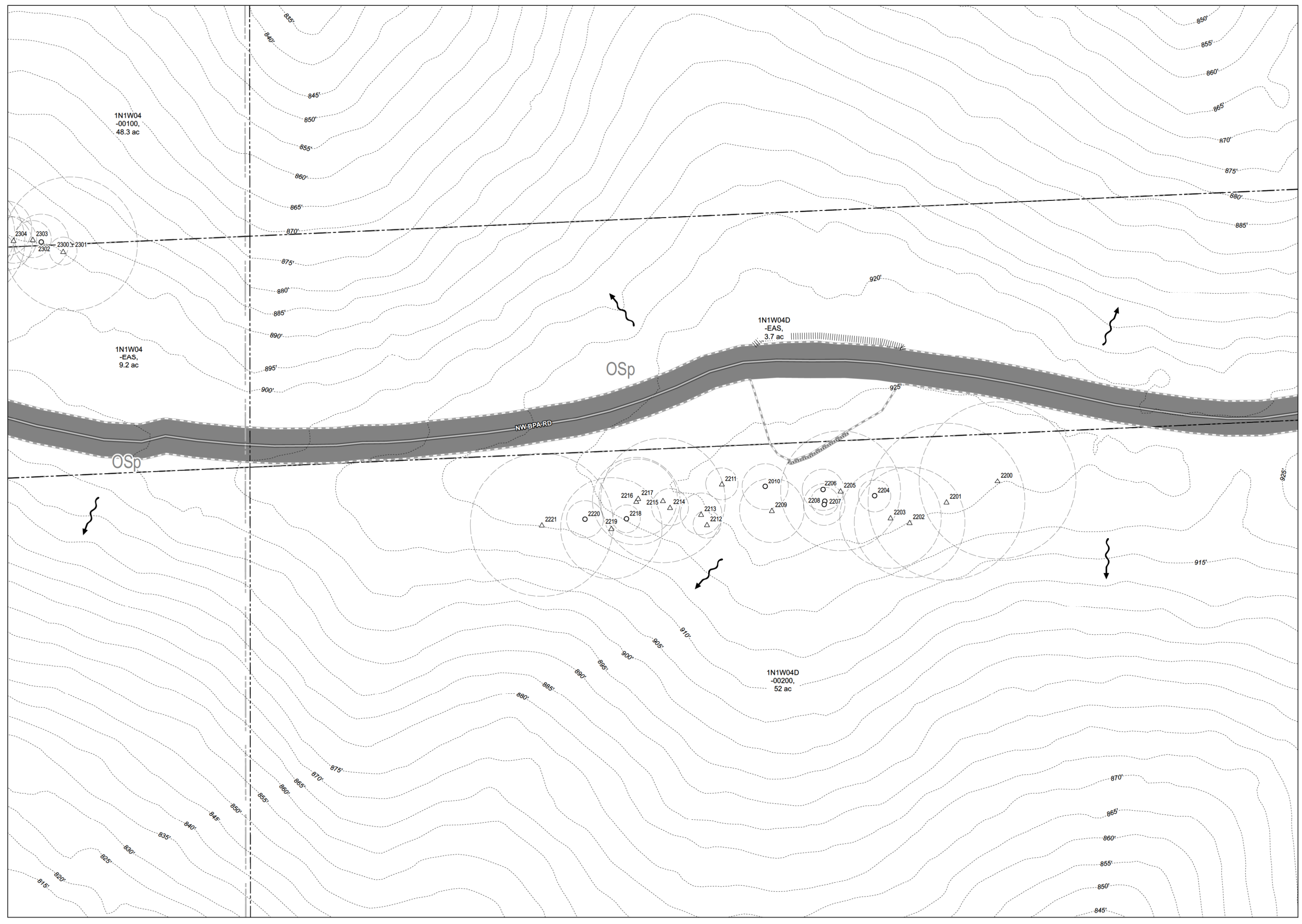
- Limits of Disturbance (no heavy equipment usage beyond this boundary; hand work only)
- Fiber Rolls/Straw Wattles
- Filtration Berm
- Sediment Control Fence
- Tree Protection Fencing
- Work Zone Delineation Fencing
- Erosion Control Seeding (Hydroseeded with Bonded Fiber Matrix on Slopes > 50%)
- Surveyed 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)
- Cut Area
- Fill 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

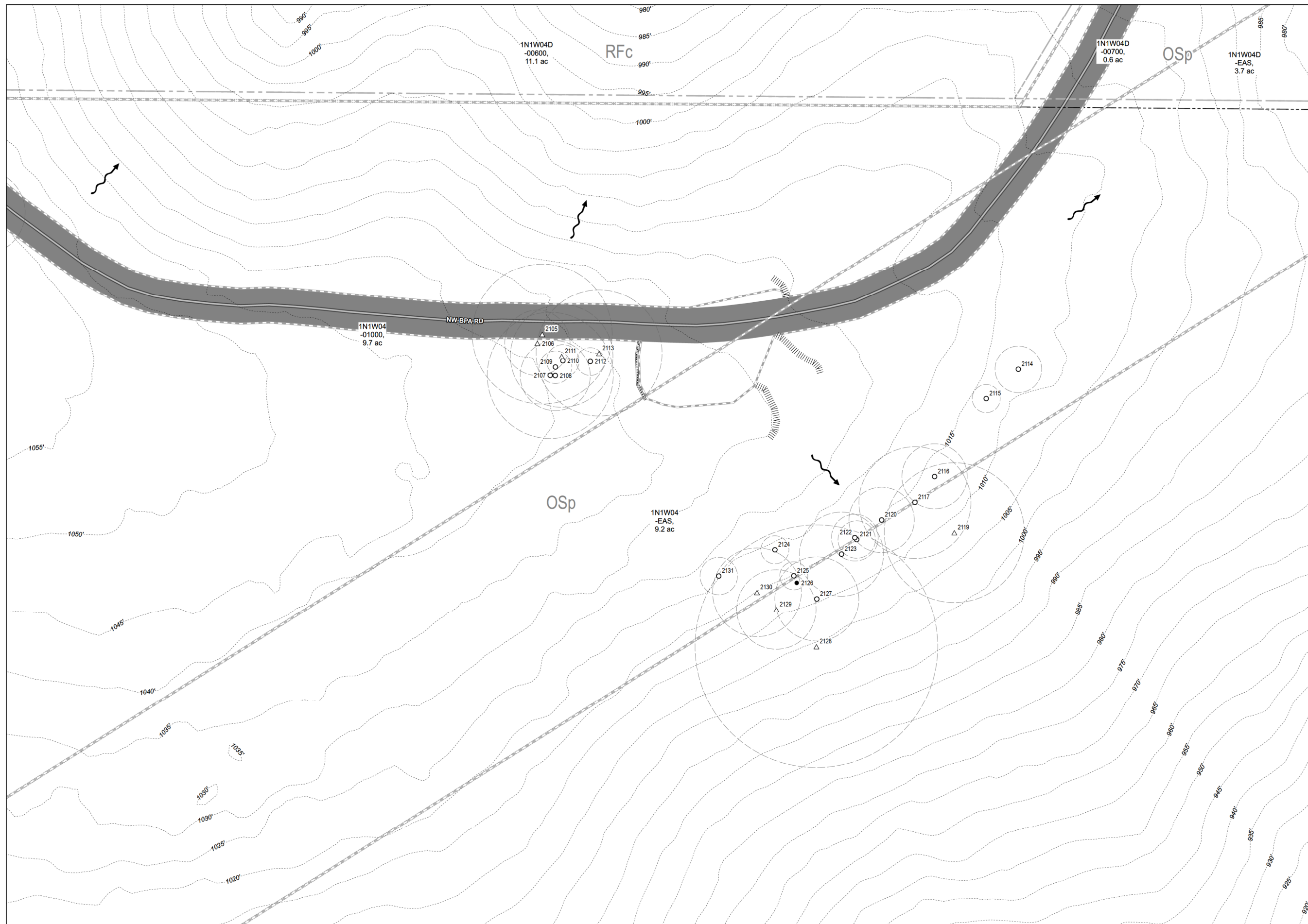
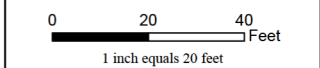
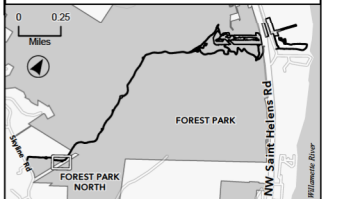


Legend

- 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%)
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- Deciduous Tree (Dead) to Be Protected
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- Deciduous Tree (Dead) to Be Removed
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- 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)
- Cut Area
- Fill Area
- Staging Area
- Wetland/Ordinary High Water (OHW)
- Drainage Reserve Area
- Drainage Flow
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- 100-year Floodplain
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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)

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)

Cut Area

Fill 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:

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Area of Temporary Disturbance in Greenway Setback:

3,078 sq ft; 0.07 ac

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0 0.25 Miles

FOREST PARK

FOREST PARK NORTH

NW Saint Helens Rd

Willamette River

0 20 40 Feet

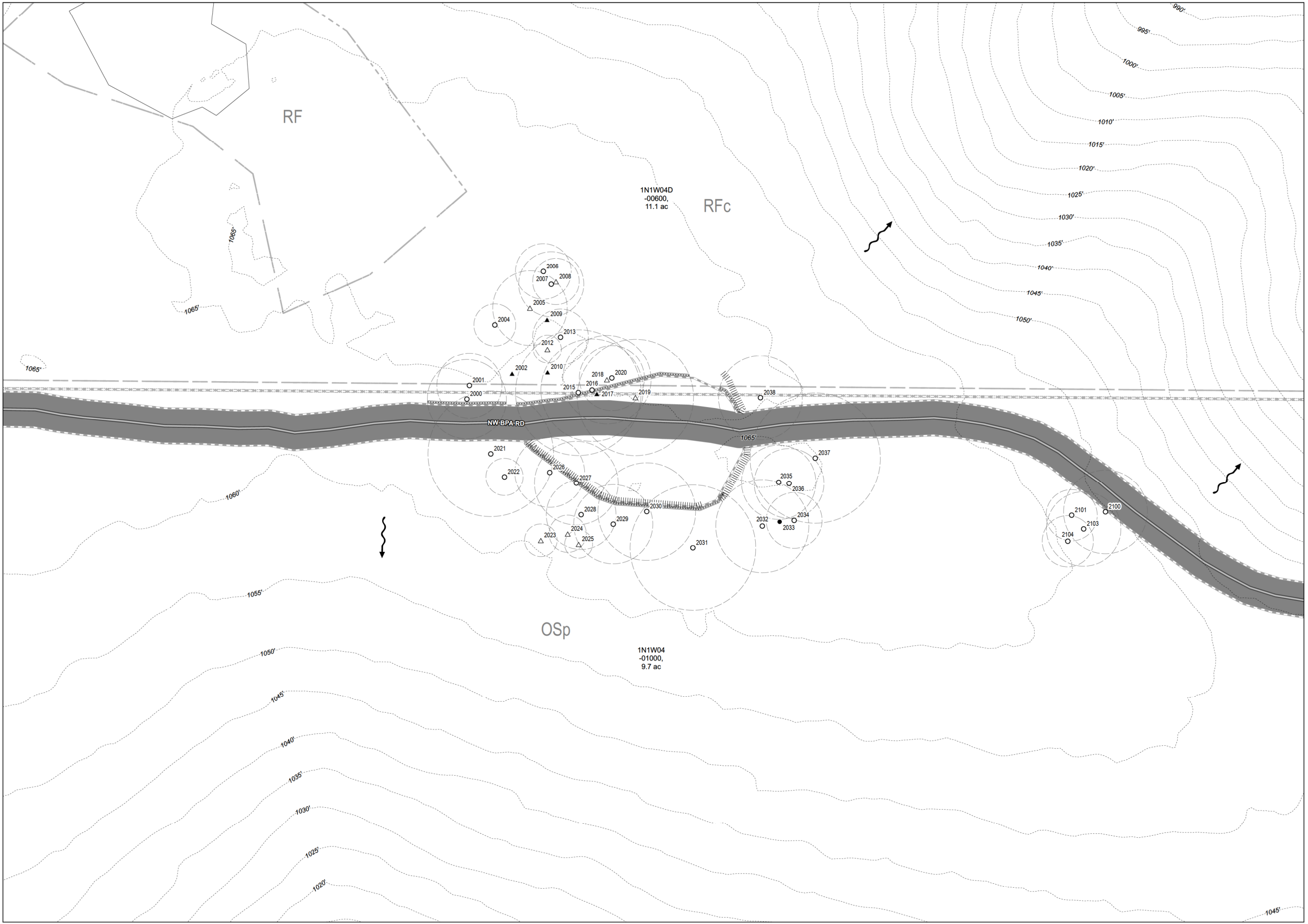
1 inch equals 20 feet



North

MATCHLINE SEE SHEET L221

MATCHLINE SEE SHEET L223



RF

1N1W04D -00600, 11.1 ac RFc

OSp

1N1W04 -01000, 9.7 ac

NW BPA RD

1085'

1065'

1065'

1060'

1055'

1050'

1045'

1040'

1035'

1030'

1025'

1020'

990'

995'

1000'

1005'

1010'

1015'

1020'

1025'

1030'

1035'

1040'

1045'

1050'

1045'

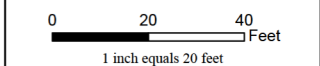
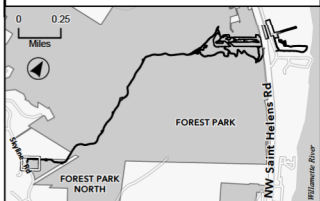


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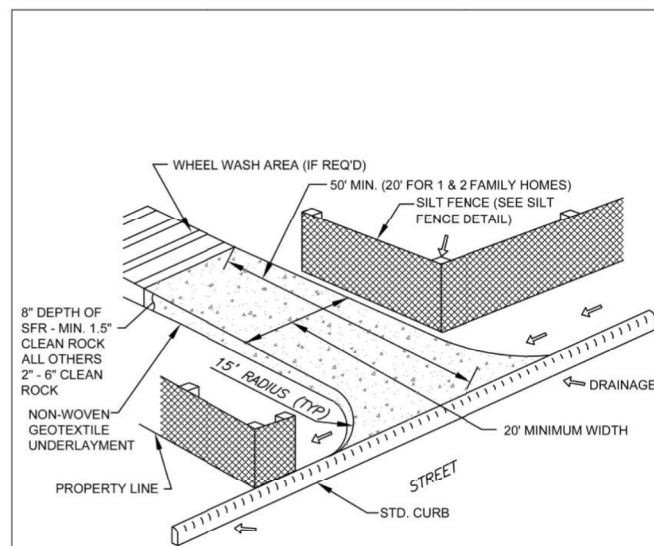
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MATCHLINE SEE SHEET L222



STABILIZED CONSTRUCTION ACCESS

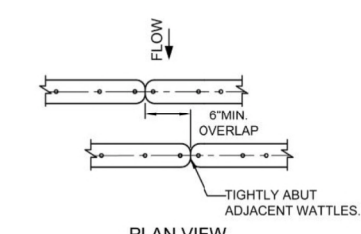
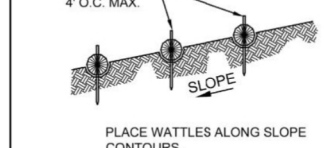
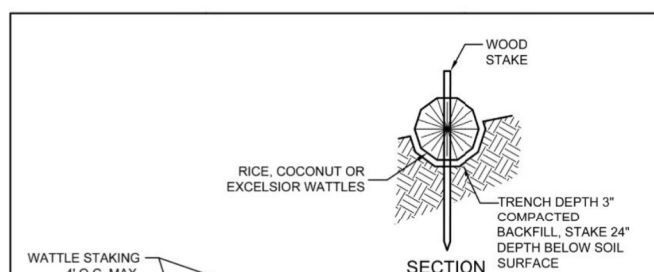
NOTE:  
CURB RAMP INSTALLATION SHALL NOT IMPEDED STORMWATER FLOWS, VEHICLE TRAFFIC, AND/OR BICYCLE TRAFFIC.

EROSION CONTROL MANUAL

STABILIZED CONSTRUCTION ACCESS

Detail Drawing 3.12-A

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



NOTES:

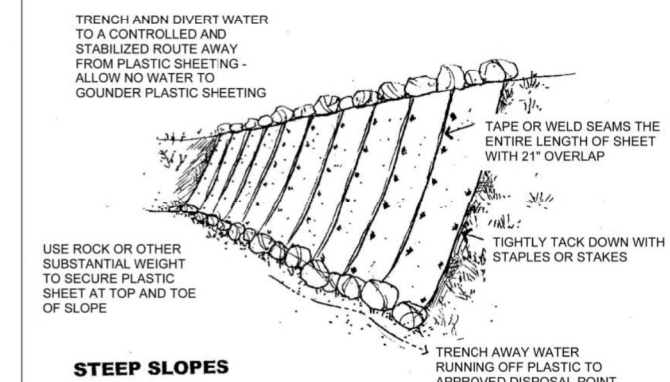
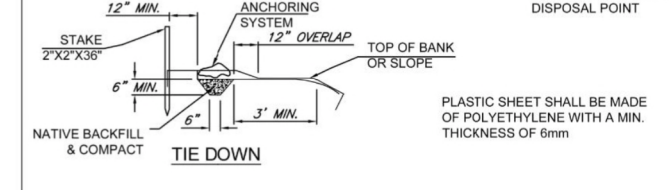
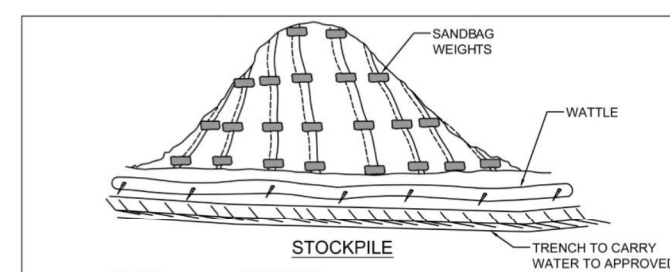
1. STAKING SPECIFICATIONS:
  - a. 1"x2" WOODEN STAKES
  - b. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY EROSION SOILS.

EROSION CONTROL MANUAL

FIBER ROLLS AND WATTLES: SLOPE INSTALLATION

Detail Drawing 3.17-A

FILE DRAFT\INSPECTORS GRAPHICS DRAWING PLOT 1:1

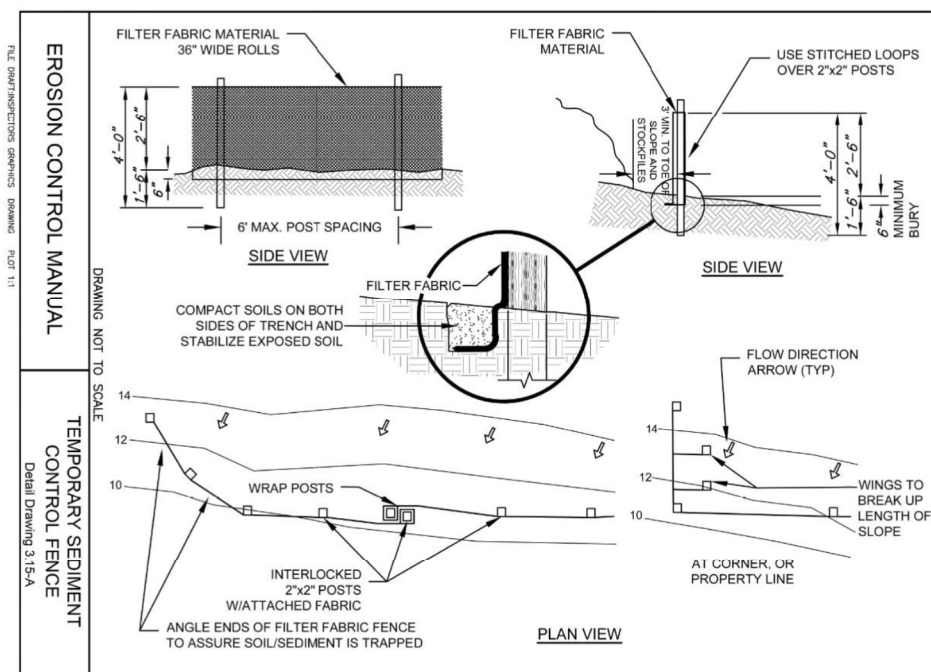


EROSION CONTROL MANUAL

PLASTIC SHEETING

Detail Drawing 3.7-A

FILE DRAFT\INSPECTORS GRAPHICS DRAWING PLOT 1:1



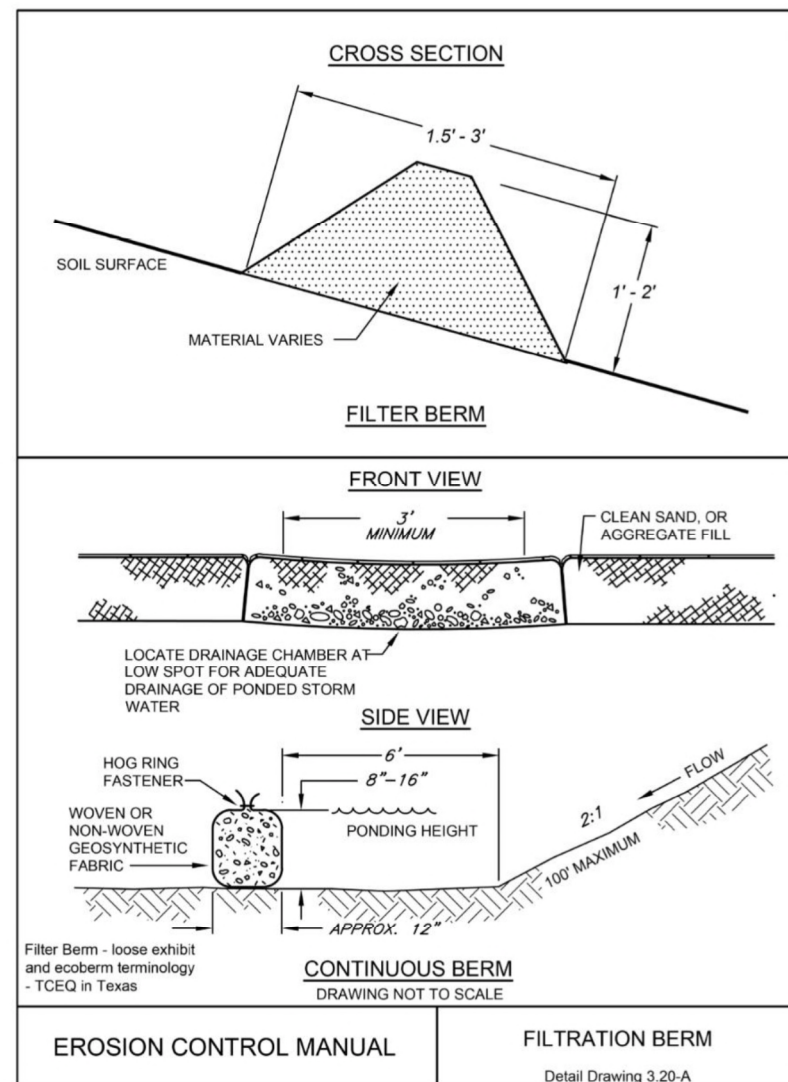
**EROSION AND SEDIMENT CONTROL NOTES:**

1. 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.
2. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING.
3. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
10. USE BMPs SUCH AS BIO-BAG SEDIMENT BARRIER AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
11. LONG TERM SLOPE STABILIZATION MEASURES SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.

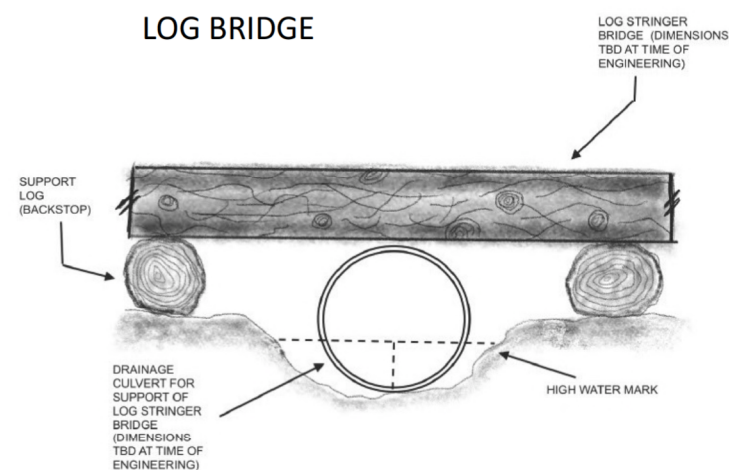
**EROSION AND SEDIMENT CONTROL PHASING:**

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



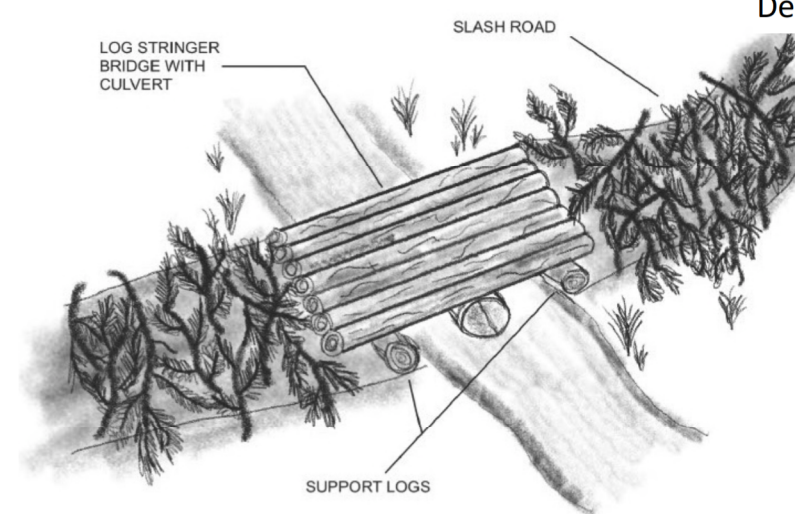


**LOG BRIDGE**

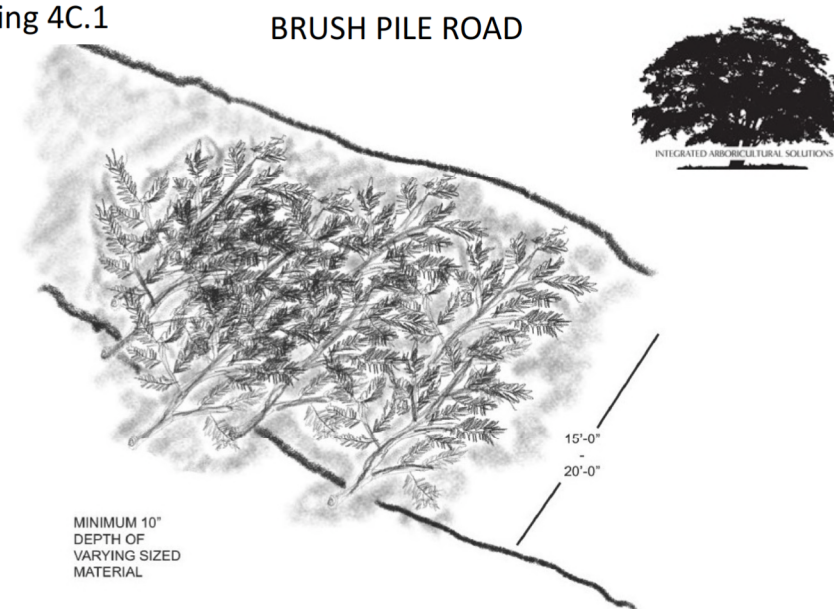


Not to Scale  
 Adapted from USFS Std. 961-10-03b, ANSI A300 Part 5, and ISA BMP (Managing Trees During Construction)

**Detail Drawing 4C.1**

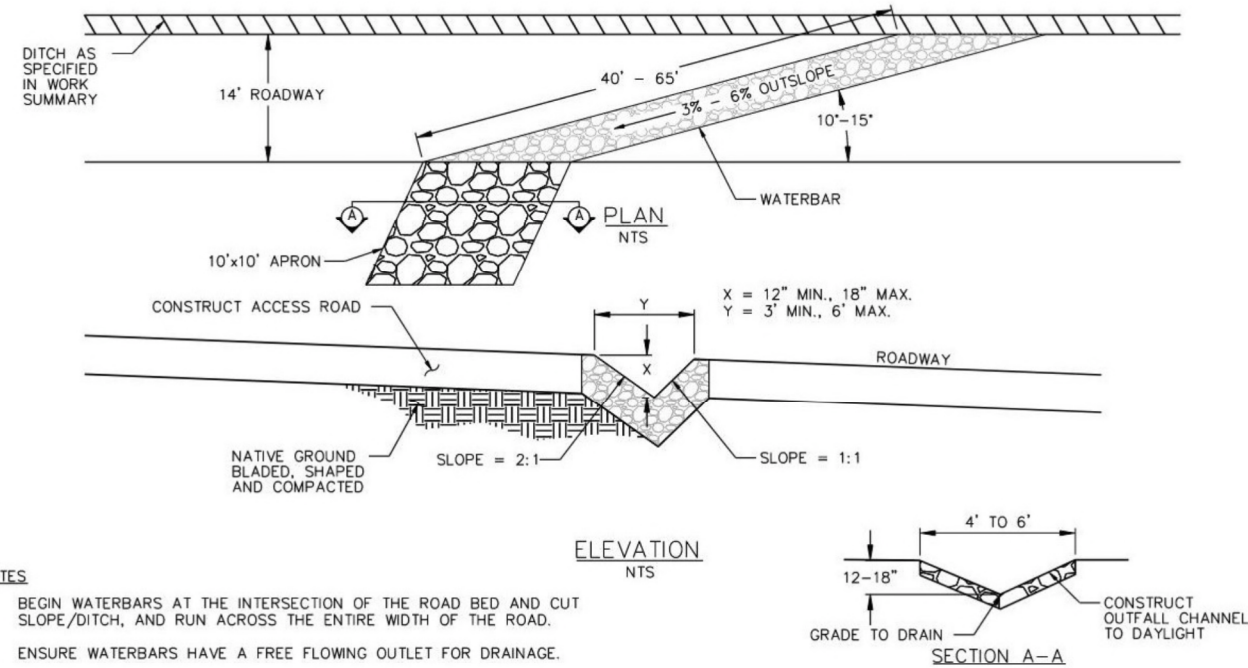


**BRUSH PILE ROAD**



WATER BAR

Detail Drawing 4C.2



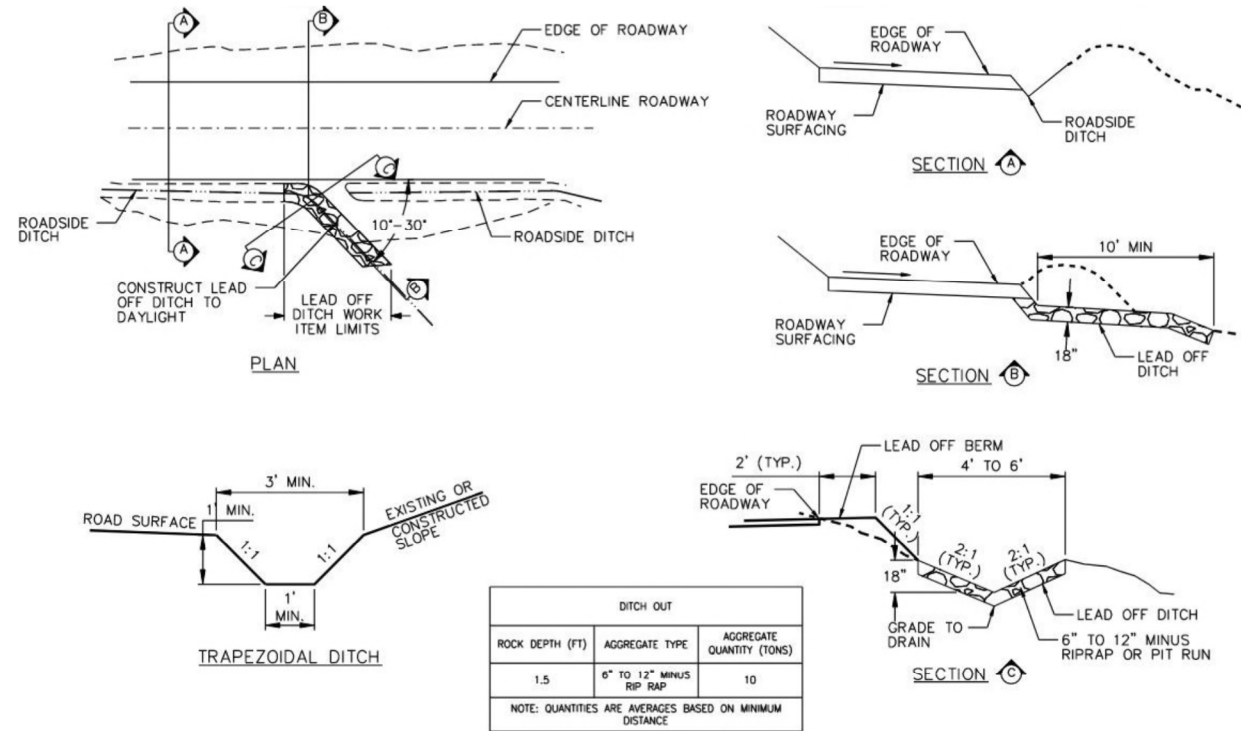
NOTES

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 Sposito

DITCH RELIEF

Detail Drawing 4C.3



Credit: MacKay Sposito