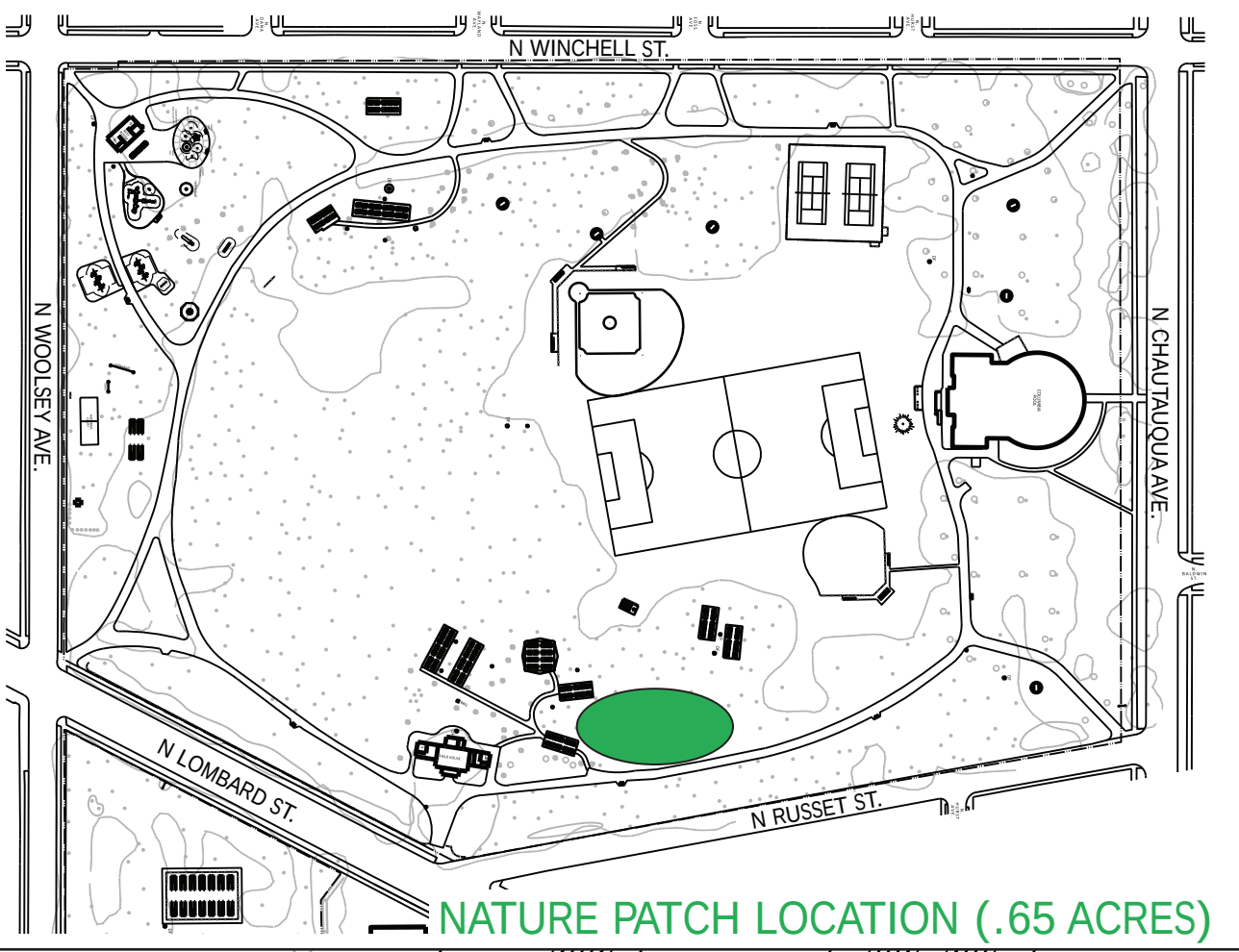


COLUMBIA PARK NATURE PATCH



NATURE PATCH LOCATION (.65 ACRES)



PLANTING AREAS (.5 acres)

- UNDERSTORY SHADE
- MIDSTORY SHADE
- DECORATIVE SHADE
- FLORAL LAWN

FEATURES

- LOG
- ROOTWAD
- BOULDERS
- POST & DOWEL FENCE

DESIGN & CONSTRUCTION NOTES

- MINOR ADJUSTMENTS TO LAYOUT TO BE MADE DURING CONSTRUCTION
- **Existing** - Elements noted with an "x"
- **Construction** - All elements built in-house by PP&R staff, planting to be done with staff and volunteers
- **Grading** - Minor grading necessary to achieve ADA compliant grades along the path
- **Erosion Control** - No off-site erosion - flat grade, Use straw wattles along path as necessary
- **Surfaces** - Gravel surfaces composed of 2" compacted 1/4" minus on 3" of 3/4" minus, no fabric or edging
- **Paths** - Main path 8 feet wide for vehicle access, secondary paths 5 feet wide
- **Irrigation** - Existing zones to be adjusted for new planting beds by PP&R Irrigation staff
- **Stability** - Logs and boulders to be sufficiently embedded within the ground to prevent movement
- **Soil** - 5" base of soil throughout and berms up to 18" tall, minimum of 3' clear around the base of trees
- **Edges** - Sharp or hazardous edges on boulders, logs, etc. to be ground smooth
- **Fence** - Round post & dowel fence with black stain to complement historic park aesthetic, mesh lower half
- **Bench** - PP&R standard bench: Natural Structures #03-153, embed mount, Alaska Yellow Cedar



Ecologically
Sustainable
Landscapes
Program

portlandoregon.gov/parks/eco

Portland Parks and Recreation
Nick Fish, Commissioner - Adena Long, Director

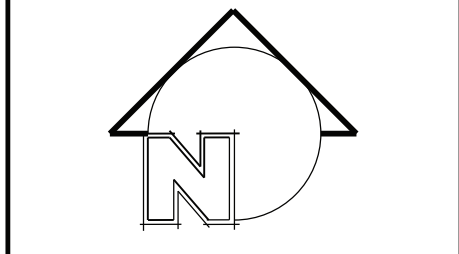
COLUMBIA PARK NATURE PATCH - SITE PLAN

Landscape Layout
7701 N Chautauque Blvd, Portland, OR 97217

DATE: 10.1.19 SCALE: 1" = 20'

PROJECT MANAGER: ERIC ROSEWALL
DRAWN BY: ERIC ROSEWALL

REVISIONS		
DATE	DESCRIPTION	BY



COLUMBIA PARK NATURE PATCH													
total project planting area		approximately 21,000 sq ft								container size			
botanical name	common name	spacing	count per 100sqft	precent of plot	count per 100sqft mixed	Total plant count		Bulbs	4" /Plugs	1gal	3gal	5gal	B&B
Understory Shade Mix													
approximate planting area		14,000		100%	14	1,989							
Blechnum spicant	Deer Fern	36"	13	10%	1.3	182				200			
Delphinium exaltatum	Tall Larkspur	36"	13	5%	0.7	91				80			
Dicentra formosa ssp. Oregana	Oregon Bleeding Heart	24"	29	5%	1.5	203		200					
Dicentra spectabilis 'Gold Heart'	Gold Heart Bleeding Heart	24"	29	5%	1.5	203		200					
Epimedium grandiflorum 'Pink Champagne'	Epimedium Pink Champagne	36"	13	4%	0.5	64				60			
Epimedium grandiflorum 'Rose Queen'	Epimedium Rose Queen	36"	13	4%	0.5	64				60			
Gaultheria shallon	Salal	36"	13	15%	2.0	273		100		250			
Helleborus niger 'Joseph Lemper'	Lenten Rose	36"	13	2%	0.3	36				40			
Helleborus x glandorfenis 'Ice n Roses' - Lavender	Lenten Rose	36"	13	2%	0.3	36				40			
Helleborus x glandorfenis 'Ice n Roses' - Purple	Lenten Rose	36"	13	2%	0.3	36				40			
Mahonia repens	Creeping Oregon Grape	36"	13	10%	1.3	182				180			
Maianthemum stellatum	False Solomon Seal	36"	13	5%	0.7	91				100			
Oxalis Oregana	Oregon Oxalis	24"	29	5%	1.5	203		200					
Polystichum munitum	Sword Fern	36"	13	10%	1.3	182				160			
Trillium chloropetalum	Giant Trillium	48"	6	2%	0.1	17		60					
Vaccinium parviflorum	Red Huckleberry	48"	6	10%	0.6	84		100					
Vancouveria hexandra	Insideout flower	48"	6	5%	0.3	42		100					
Mid-Story Shade Mix													
approximate planting area		3,000		100%	11	342							
Acer circinatum	Vine Maple	20'	3	5%	0.15	5							7
Astilbe chinensis 'Purpurkerze'	Purple Candles Astilbe	48"	50	5%	2.50	75				75			
Blechnum spicant	Deer Fern	36"	13	10%	1.30	39				75			
Corylus cornuta	Beaked hazelnut	36"	1	2%	0.02	1						2	
Gaultheria shallon	Salal	36"	13	15%	1.95	59		75		25			
Mahonia eurybracteata 'Soft Caress'	Soft Caress Mahonia	15'	3	5%	0.15	5					7		
Mahonia repens	Creeping Oregon Grape	36"	13	15%	1.95	59				60			
Mahonia gracilipes	Chinese Mahonia	15'	3	5%	0.15	5					7		
Oemleria cerasiformis	Indian Plum	30'	1	3%	0.03	1					2		
Philadelphus lewisii	Mock Orange	15'	1	2%	0.02	1					2		
Polystichum munitum	Sword Fern	36"	13	10%	1.30	39				75			
Ribes sanguineum	Red Flowering Currant	25'	2	4%	0.08	2						5	
Rubus parviflorus	Thimbleberry	36"	13	5%	0.65	20				50			
Rubus spectabilis	Salmonberry	36"	13	5%	0.65	20				50			
Sambucus nigra 'Madonna'	Madonna Black Elderberry	50'	0	2%	0.01	2					2		
Taxus x media 'Hicksii'	Hicks Yew	20'	1	2%	0.01	5						5	
Vaccinium ovatum	Evergreen Huckleberry	12'	5	5%	0.25	8					15		
Decorative Shade Mix													
approximate planting area		2,000		100%	15	412							
Blechnum spicant	Deer Fern	36"	13	15%	1.95	39				50			
Maianthemum dilatatum	False Lily of the Valley	24"	29	15%	4.35	87		150					
Oxalis Oregana	Oregon Oxalis	24"	29	10%	2.90	58				60			
Cyclamen hederifolium	Persian Violet	24"	29	20%	5.80	116		200					
Scutellaria incana	Hoary skullcap	36"	13	10%	1.30	26		100					
Edgeworthia chrysantha	Paperbush	25'	1	10%	0.10	2						3	
Thalictrum minus 'Adiantifolia'	Meadow Rue	24"	29	10%	2.90	58		75					
Podophyllum peltatum 'Spotty Dotty'	Podophyllum 'Spotty Dotty'	36"	13	10%	1.30	26				30			
Floral Lawn Mix													
approximate planting area		2,500		100%	45	1,445							
Crocus tommasinianus	Lawn crocus	12"	45	50%	45	1125		1,200					
Symphoricarpos albus	Snowberry (along interior edge)	24"	15	20%	15	45				45			
Arisarum proboscideum	Mouse Plant	24"	8	15%	8	200		200					
Brunnera macrophylla 'Dawson's White'	Siberian bugloss	48"	3	15%	3	75				75			
Trees													
					3								
Taxus brevifolia	Pacific Yew					3							3
TOTALS								Bulbs	4"	1gal	3gal	5gal	B&B
					order	4,900		1,200	1,760	1,880	35	15	10

PLANTING AREAS

- UNDERSTORY SHADE
- MIDSTORY SHADE
- DECORATIVE SHADE
- FLORAL LAWN

PLANTING INSTRUCTIONS

PLANT LAYOUT TO BE DETERMINED ON-SITE BY PP&R HORTICULTURE STAFF. ARRANGEMENT TO FOLLOW AN ORGANIZED-RANDOM LAYOUT TO ACHIEVE A NATURAL AESTHETIC.

PLANTS TO BE INSTALLED BY PP&R STAFF AND VOLUNTEERS.

REFER TO PLANT SPACING DIAGRAMS.

PLANT SPACING

