

PROPOSED LANDSCAPE TREATMENT PLAN
For BLOCK "24" STORMWATER DRY POND

DRWG. **L-1**

KEY TO LANDSCAPE ZONES

1. West Buffer and North Buffer

These areas serve to give the adjacent residences privacy from the potential public use of the space and the pathway. Planting will occur on a subtle berm of good soil (at a maximum height of 2m) salvaged from the development project within the project. All proposed berming will be outside of the engineered catchment areas. A swale will serve to conduct any minor run-off into the storm water area. Planting will be a mix of coniferous and deciduous tree species specified in a range of sizes as per the plant list. This will result in a natural mix of species, sizes, and ages as would be found in an emerging forest. Weed growth will initially be suppressed by a dense seeding of buckwheat and red clover at the time of planting with mulching around the individual plants. If allowed to self seed, the buckwheat and clover will remain during the two year establishment period. Spot weeding may be required during this period to cut back thistles and other noxious weeds prior to their setting seed.

A dense stand of coniferous planting is proposed on all sides of the utility enclosures in the northeast as per the plant list. These planting areas will receive a continuous 100mm (4") thick layer of shredded coniferous bark mulch over a biodegradable weed barrier such as recycled cardboard or sprayed paper mulch.

2. Pedestrian Walkway with Shade Trees

This walkway is proposed as a 3m wide granular walk with a 75mm limestone screenings surface layer on 200mm deep compacted granular A base. The walk surface will be set generally at the adjacent uphill grade to allow sheet drainage across the pathway. The length of this pedestrian pathway is approximately 110m as it runs through the site. Eight shade trees on the south side of the path will eventually provide shade for pedestrians.

3. Central Area

It's proposed that the Central Area would be an elliptical space that will be graded according to the engineers plan, top-soiled to a depth of 100mm and seeded to a park type grass and dwarf clover seed mixture that will accommodate a wide range of moisture conditions from saturated to extended drought. Mowing is anticipated to be on monthly basis as required over the course of the growing season for this area and the boulevard and grassed areas of the berm.

4. Street Tree Plantings in Hedgerow

The three trees in the southwest corner will be in a mixed shrub and coniferous planting bed that will replicate a rural hedge row. The area will be prepared as a group planting zone, planted, covered with a bio-degradable weed barrier, then heavily mulched with deciduous wood chips.

5. Street Tree Plantings on the Corner

These 7 trees will visually frame the parcel from the street, creating an arc of trees around the corner. They are set well back from the sight line triangle.

6. Semi Circular Hedgerow

Similar to area 4 above, this area will be planted with a mixture of small to medium shrubs and a dozen small flowering trees. The area will be prepared as a group planting zone, planted, covered with a bio-degradable weed barrier, then heavily mulched with deciduous wood chips.

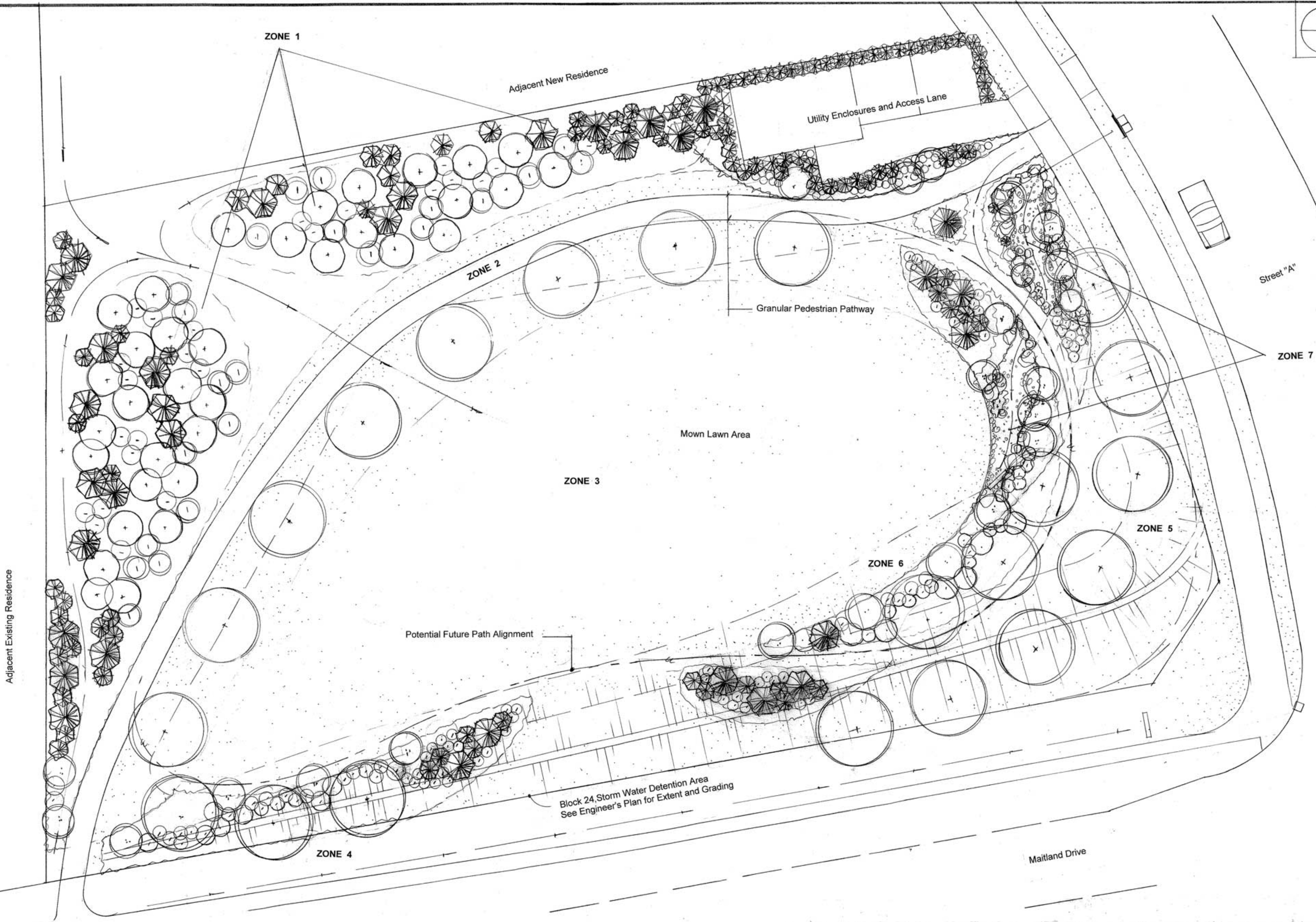
7. Drainage Corridor

This dry creek landscape feature will conduct overland storm water in the event that the double catch basins on the project road should surcharge, as designed, during a storm event. The rip rap protection indicated on the engineering plans will be extended to provide a protected corridor all the way to the headwall. The large rip rap stones will be laid on a heavy geo-textile and top-dressed with washed river cobbles in varying sizes. Cobbles in the 4 to 8" diam. size will be set towards the edges and around the large limestone boulders which will line portions of the corridor. Smaller stones in the 2 to 3" diam. range will form the centre of the channel. The dry creek feature will function as a protected spillway in the event of a major storm while adding visual contrast and interest to the entrance area of the project. Ornamental grasses and damp-land plants will be added into pockets of soil where the cobbles and the underlying geo textile has been removed. The planting beds flanking the creek alignment will be planted with prime ornamental shrubs, perennials and grasses, small flowering trees, as well as some coniferous trees and shrubs.

PLANTING LIST by LANDSCAPE ZONE

Common Name	Size (ht)	Quantity per Zone							Total
		1	2	3	4	5	6	7	
Colorado spruce	2m	10			2		2	4	18
Colorado spruce	1.2m	15					1		16
White spruce	2m	13					2		15
White spruce	1.2m	20					1		21
White pine	1.0m	18							18
White cedar	1.0m	95			5		5	5	110
Red maple	3.5m 60cm	15			4	7			26
Silver maple	3.5m 60cm		8						8
Chokecherry clump	2m		5		3		5	3	16
Pin oak	2.5m	10					3		13
White birch clump	2.0m	10					2	4	16
Elderberry	100cm	35			15		8	4	62
Goldflame spirea	50cm				20		15	55	90
Savin juniper	50cm				10			25	35
Purple ninebark	80cm				10		10	25	45
Mugho pine	50cm							10	10
Ornamental grasses	1 gal							50	50
Perennials	1 gal							150	150
Park seed mix		400m2		2050 m2		850m2			3300

NOTE: PLANT LIST QUANTITIES PRE-DOMINATE PLAN GRAPHICS



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NO.	REVISIONS	DATE	INITIAL

SCALE: 1:150
DESIGN: R.F./L.B.
DRAWN: .KT
CHECKED: J.P.
DATE: MAY 2007

SETTLER'S RIDGE - PHASE 1A
CITY OF BELLEVILLE

STORM DRAINAGE PLAN
DRY POND



CONTRACT No. 24581-1 DWG. 24581-DP-1A