



PERSPECTIVE 1- from east toward the west

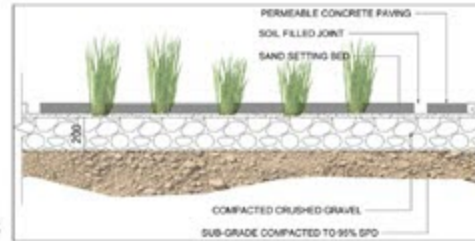


PERSPECTIVE 2

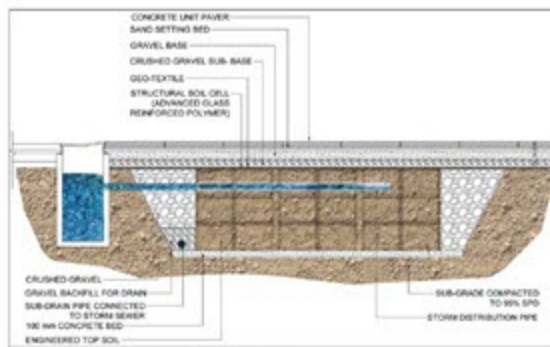
MASTER PLAN



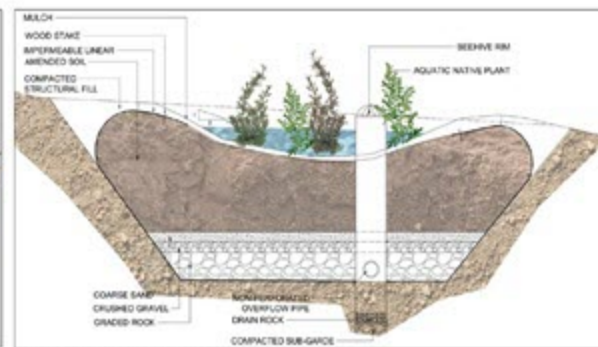
DETAIL 1 : BIOSWALE TYPICAL DETAIL



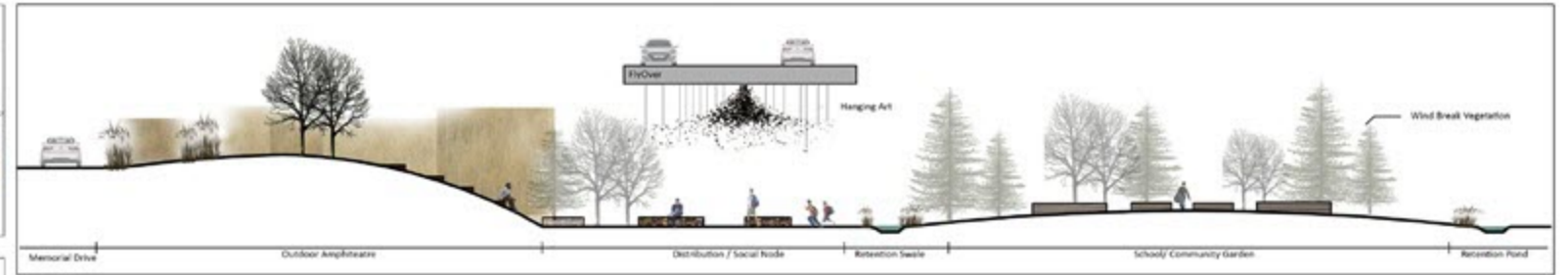
DETAIL 2 : PERMEABLE PAVER



DETAIL 3 : SOIL CELL UNDER THE SIDEWALKS



DETAIL 4: RETENTION POND- RAIN GARDEN



SECTION A



SECTION B



The design intent is to manage storm run-off from and out of the site while providing playful area for kids and joyful experience for the users of the site. The design was inspired by natural circulation of water within the landscape and use of natural material such as wood, rocks and native grasses for dominant theme of the design and play elements. The topography of the site integrated into the design and all designed features benefit from the topography of the site. Run-off from memorial drive and flyover is directed to the site and pass from series of bio-retention swales before it gets to retention ponds. This water will be purified by vegetation and sediment filtration before ends to the storm system. The north driveway is transferred to a flat area with permeable paving that is just used by emergency vehicles. A distribution node which is designed on the west side of the site and under the flyover acts as an open living room and provides an opportunity for users to see and to be seen. It also works as a central stage for open amphitheater. In regards to vegetation, the site divided into six different zones including wind break barrier, memorial drive visual barrier, accent trees, edible trees and aquatic vegetation for the retention ponds. Because of important role of agriculture for educational and recreational purposes, on north part of the site, design of a community/school garden is suggested.

To emphasis on the importance of nature on the wellbeing, all play elements borrow their characteristics form natural material and the wild life. Rabbit holes, bird houses, vegetated tents and log pathways are some of these play elements.



GREEN INFRASTRUCTURE-ECOLOGICAL GREENWAY

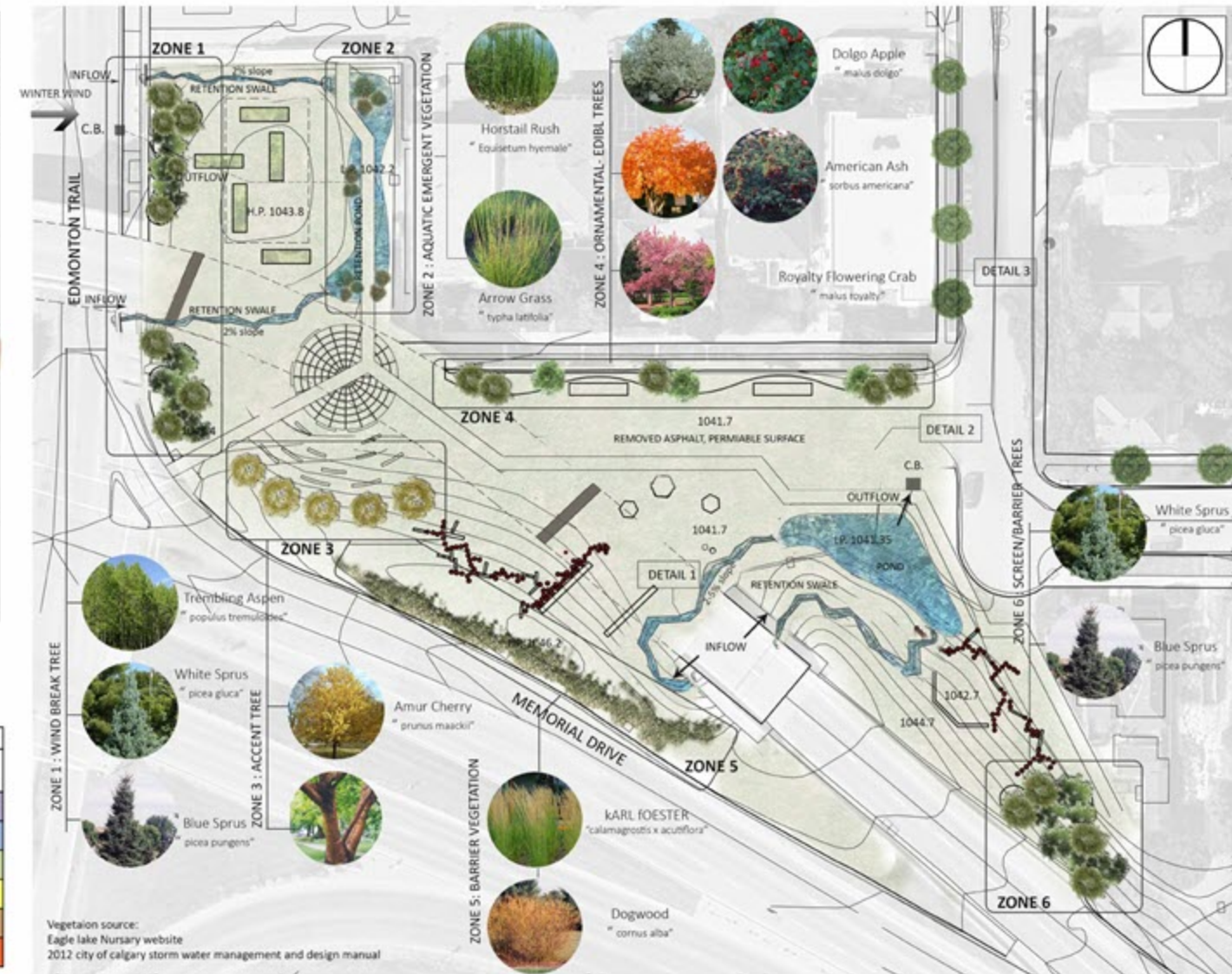
CIRCULATION DIAGRAM



GRADING AND INFRASTRUCTURE PLAN

ZONE	SOFTSCAPE AREA m ²	ROAD AREA m ²	2 YEARS				100 YEARS				
			Q GRASS	Q ROAD	Q TOTAL	P AREA	Q GRASS	Q ROAD	Q TOTAL	P AREA-200mm	P AREA-500mm
1	0	4085	0	56.88	56.88	272	0	144.36	144.36	742	298
2	1689	2238	3.6	31.32	34.92	149.2	9.72	79.2	88.92	406.9	163.35
3	778	1202	18	16.92	35.64	80.13	46.8	43.2	90	218.5	87.73
4	2624	575	6.12	7.92	14.04	39.3	15.84	20.52	36.36	104.5	41.97
5	1301	651	3.88	9	11.88	43.4	7.56	23.4	30.96	118.36	47.51
6	0	1310	0	18.36	18.36	87.33	0	46.8	46.8	238.18	95.62

RUN- OFF CALCULATION



PLANTING PLAN