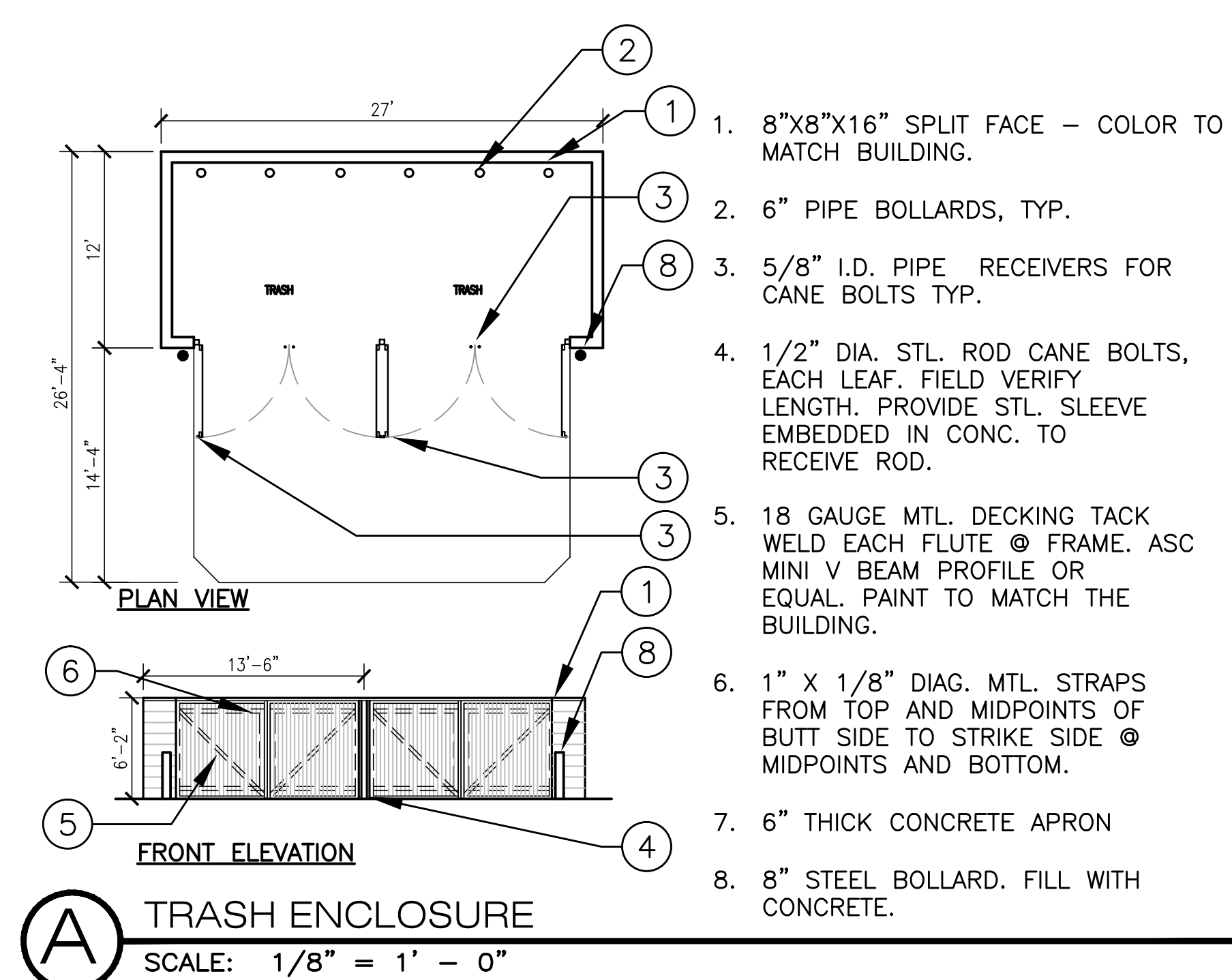
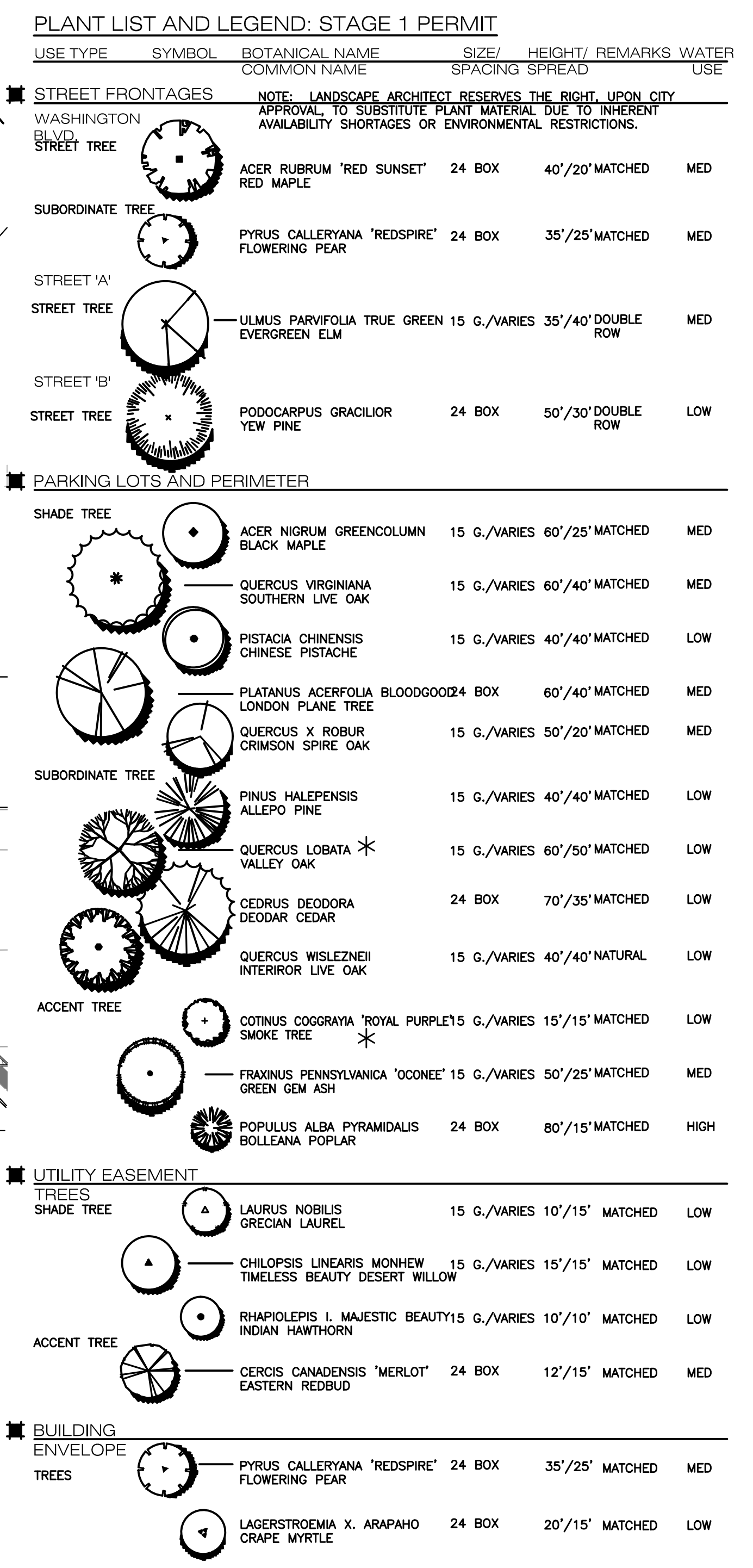




SHADE STUDY CALCULATIONS					
PROJECT:		BAYSIDE HR PARCEL 49			
OVERALL STAGE 1 SITE					
STANDARD STALLS				2,243	605.610
COMPACT STALLS				546	137.592
TOTAL PAVED PARKING AREA:					743.202
TOTAL SHADE REQUIRED:			50%		371.601
TOTAL SHADE PROVIDED:					347.152
TOTAL SHADE PERCENTAGE					46.7%

SYMBOL	PATTERN	QTY.		UNIT IN S.F.	TOTAL S.F.
30 TO 35' TREES					
ULMUS P., PINUS P.,	35-I	114	X	961	109,554
MAGNOLIA G., PLATANUS A.,	35-P	277	X	481	133,237
CEDRUS D., PLATACA C.,	35-N	87	X	240	21,360
QUERCUS L.					
25' TO 30' TREES					
QUERCUS R., PINUS H.,	30-I	5	X	707	3,535
FRAXINUS P.,	30-P	27	X	354	9,558
	30-N	7	X	177	1,239
20' TO 25' TREES					
PYRUS C., ACER N.,	25-I	0	X	491	0
	25-P	3	X	246	738
	25-N	10	X	123	1,230
15' TO 20' TREES					
	20-I	0	X	314	0
	20-P	0	X	157	0
	20-N	0	X	79	0
10' TO 15' TREES					
COTINUS C., LAURUS N.,	15-I	173	X	177	30,621
CHILOPSIS L., RHAPHIOLEPIS L.,	15-P	398	X	88	35,024
PHOENIX, MALUS,	15-N	24	X	44	1,056
LAGERSTROMIA					
TOTAL					347.152

SHRUB AND GROUNDCOVERS

BACKGROUND OR FOUNDATION SHRUB MATERIAL

EVERGREEN, LARGE SHRUBS TO 6'-0" USED FOR REDUCING BUILDING MASS OR SCREENING UNDESIRABLE VIEWS.

Botanical Name	Size (in.)	Spacing (in.)	Water Use
ACHETOSAPHYS L. H. MCINN	1 1/2 GAL	3 c.o.c.	LOW
ESCALONIA SP.	1 1/2 GAL	3 c.o.c.	LOW
GREVILLEA CANBERRA	1 1/2 GAL	6 c.o.c.	LOW
NERUM OLEANDER 'S. MOORE'	1 1/2 GAL	6 c.o.c.	MED
RHAPHIOLEPS INDIA SP.	1 1/2 GAL	4 c.o.c.	LOW
YUDDA C. 'COMPACTA'	1 1/2 GAL	4 c.o.c.	LOW
VERBURNUM 'TINS SPRING BOUQUET'	1 1/2 GAL	6 c.o.c.	MED
		3 c.o.c.	LOW

FACER SHRUB MATERIAL

EVERGREEN OR DECIDUOUS SHRUBS TO 4'-0" USED FOR "TERMINING" OF PLANT MATERIAL. SEASONAL COLOR AND SOTTENING OF BUILDING EDGES AND FOUNDATION SHRUBS.

Botanical Name	Size (in.)	Spacing (in.)	Water Use
ADONIS SP.	2 GAL	4 c.o.c.	LOW
RAHAMUS 'SAN BRUNO'	2 GAL	3 c.o.c.	LOW
	2 GAL	4 c.o.c.	LOW
CALESTHEMUM LITTLE JOHN	1 1/2 GAL	5 c.o.c.	LOW
FITTSINGERIA TORRA SP.	1 1/2 GAL	5 c.o.c.	MED
RHAPHIOLEPS INDIA SP.	1 1/2 GAL	4 c.o.c.	LOW
ROSMARINUS O. TUSCAN BLUE	1 GAL	3 c.o.c.	LOW

ACCENT SHRUB MATERIAL

EVERGREEN OR PERENNIAL SHRUBS TO 3'-0", SOMETIMES LARGER. USED FOR AESTHETIC VALUE IN LANDSCAPE THROUGH BLOOM, LEAF COLOR, OR OVERALL CHARACTER.

Botanical Name	Size (in.)	Spacing (in.)	Water Use
ADONATHUS SP.	1 GAL	4 c.o.c.	LOW
HYDRANGEA SP.	1 GAL	3 c.o.c.	LOW
HEMEROCALLIS HYBRIDS	1 GAL	3 c.o.c.	MED
LANCOLAND SP.	1 GAL	2 c.o.c.	LOW
MANDARIN A. 'COMPACTA'	1 1/2 GAL	3 c.o.c.	MED
CALESTHEMUM LITTLE JOHN	1 GAL	3 c.o.c.	LOW
MANDARIN HARBOUR DWARF	1 GAL	3 c.o.c.	MED
		2 c.o.c.	LOW

EASTERN AND SOUTHWEST BOUNDARY EDGE PLANTING

EVERGREEN OR DECIDUOUS TREES TO 12'-0" USED TO FORM LARGER AREAS AND AS A TRANSITION BUFFER BETWEEN DEVELOPMENT AND OPEN SPACE PLANT. 84. USED TO OPEN SPACE PLANT USING COMPLETE MATERIAL.

Botanical Name	Size (in.)	Spacing (in.)	Water Use
ARTOCARPUS/HOLLS H. MCINN	8 GAL	7 c.o.c.	LOW
BACCHARIS PILLULARIS	1 GAL	36 c.o.c.	LOW
ROSMARINUS O. 'PROSTRATUS'	1 GAL	36 c.o.c.	LOW
LANCOLAND SP.	1 GAL	24 c.o.c.	LOW
ROSA BANQUISH	1 GAL	66 c.o.c.	LOW
MANDARIN APOLOPULUM	1 GAL	66 c.o.c.	LOW
DISCOLORED GRANITE	1 GAL	66 c.o.c.	LOW

GROUND COVER OR PERENNIALS		USED TO BLANKET LARGER AREAS AND AS A FILLER	
EVENYEDER OR CEMENTAL SHRUBS TO 30" HIGH			
BETWEEN SITE WORK EDGES AND FENCE STRIPS			
Botanical Names			
ARCTOSTAPHYLOS SP.	Size (H x W)	Spreading (L x W)	Low
BACCHARIS PILLULARIS	1 GAL	24" x 36"	MED
COSMOPHILA X ARKIA	1 GAL	24" x 36"	MED
GAZANIA SP.	1 GAL	36" x 60"	MED
ROSARIOBAYIA "O. PROSTRATUS"	1 GAL	36" x 60"	MED
TRINA "FLOWER CARPET" SP.	1 GAL	36" x 60"	MED
CLADOPHYLLUM	1 GAL	24" x 60"	MED
JAMNISONIDES	1 GAL	24" x 60"	MED
VINCA MINOR	---	---	---
CAREX ELATA	---	3'-0-6"	HIGH
TURF SODDED "BROOKLYN" TURF	---	---	MED
TURF SODDED "FESCUE"	---	---	MED
TURF SODDED - "NO MOW FESCUE"	---	---	MED

* DENOTES TREE SPECIES TO BE USED IN EASTERN BOUNDARY