key	quant. LS-1	botanical name	common name	unit cost	size	total cost	C
		LARGE AND SMALL DECIDUOUS TREES		-			
AF	8	ACER X FREEMANII 'JEFFERSRED'	AUTUMN BLAZE RED MAPLE	\$35Ø	3" BB	\$2,800	
QB	4	QUERCUS BICOLOR	WHITE SWAMP OAK	\$350	3" BB	\$1,400	
LS	2	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEET GUM	\$350	2" BB	\$700	
AC	6	AMELANCHIER X.G. 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	\$250	10' BB	\$1,500	M
MR	2	MALUS 'ROYALTY'		\$25Ø	2" BB	45 <i>00</i>	
		SHRUBS					
VMK	37	VIBURNUM X.B 'MOHAWK	MOHAWK VIBURNUM	\$50	3 1/2' B.B.	1,350	
CS	17	CORNUS STOLONIFERA		<b>45</b> Ø	3 1/2' B.B.	\$850	
HA	2	HYDRANGEA ANNEBELLE		45O	#5 CONT.	\$100	_
CKF	11	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRA	SS \$2Ø	*3 CONT.	<b>455</b> Ø	
MSM	4	MISCANTHUS SINENSIS 'MORNING LIGHT'	MORNING LIGHT MAIDEN GRASS	\$2Ø	*5 CONT.	\$200	
		LARGE AND SMALL EVERGREENS					
JS	65	JUNIPERUS SABINA 'TAMARISCIFOLIA'	TAM'S JUNIPER	45Ø	24" BB	\$1,150	42
ΑW	16	ABIES CONCOLOR	CONCOLOR WHITE FIR	\$325	8' BB	\$5,200	
AWL	14	ABIES CONCOLOR	CONCOLOR WHITE FIR	\$400	10' BB ()	\$5,600	
P9	2	PINUS STROBUS	EASTERN WHITE PINE	\$325	8' BB	¥65Ø	
PSL	1	PINUS STROBUS	EASTERN WHITE PINE	\$400	10' BB ()	\$400	
PP	14	PICEA ABIES	NORWAY SPRUCE	\$400	10' BB	¥5,600	
PPL	11	PICEA ABIES	NORWAY SPRUCE	\$450	12' BB O	\$4,950	
			SOD (110 S.Y.)	<b>16 S.</b> Y.		\$4,620	
			HYDRO-SEED (2,850 S.Y.)	\$3 S.Y.		\$8,550	
			IRRIGATION	\$6,000		¥6,000	
	<b>I</b>				TOTAL	<b>#52,670</b>	

# City of Rochester Hills notes:

PRIOR APPROVAL IS REQUIRED TO PLANT ANY TREE OR SHRUB ON THE PUBLIC R/W. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST IO' FROM THE EDGE OF THE PUBLIC ROAD. (TREES MUST BE PLANTED AT LEAST 15' AWAY FROM CURB OR ROAD EDGE WHERE THE SPEED LIMIT IS MORE THAN 35 MPH.) SHADE TREES AND SHRUBS MUST BE PLANTED AT LEAST 5' FROM THE EDGE OF THE PUBLIC WALKWAY. EVERGREEN AND ORNAMENTAL TREES MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF THE PUBLIC WALKWAY. NO TREES OR SHRUBS MAY BE PLANTED WITHIN THE TRIANGULAR AREA FORMED AT THE INTERSECTION OF ANY STREET R/W LINES AT A DISTANCE ALONG EACH LINE OF 25' FROM THEIR POINT OF INTERSECTION. NO TREES OR SHRUBS MAY BE PLANTED IN THE TRIANGULAR AREA FORMED AT THE INTERSECTION OF ANY DRIVEWAY WITH A PUBLIC WALKWAY AT A DISTANCE ALONG EACH LINE OF 15' FROM THEIR POINT OF INTERSECTION. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST IO' FROM ANY FIRE HYDRANT. SHADE AND EVERGREEN TREES MUST BE AT LEAST 15' AWAY FROM THE NEAREST OVERHEAD WIRE. TREES MUST BE PLANTED A MINIMUM OF 5' FROM AN UNDERGROUND UTILITY, UNLESS THE CITY'S LANDSCAPE ARCHITECT REQUIRES A GREATER DISTANCE.

PRIOR TO THE RELEASE OF THE PERFORMANCE BOND: A. THE CITY OF ROCHESTER HILLS WILL INSPECT ALL LANDSCAPE PLANTINGS INCLUDED ON THE PLANS. B. THE CITY OF ROCHESTER HILLS FORESTRY DIVISION WILL INSPECT ALL TREES, EXISTING OR PLANTED, TO IDENTIFY ANY THAT POSE A HAZARD TO THE SAFE USE OF THE PUBLIC R.O.W. FORESTRY MAY REQUIRE THE DEVELOPER TO REMOVE, AND

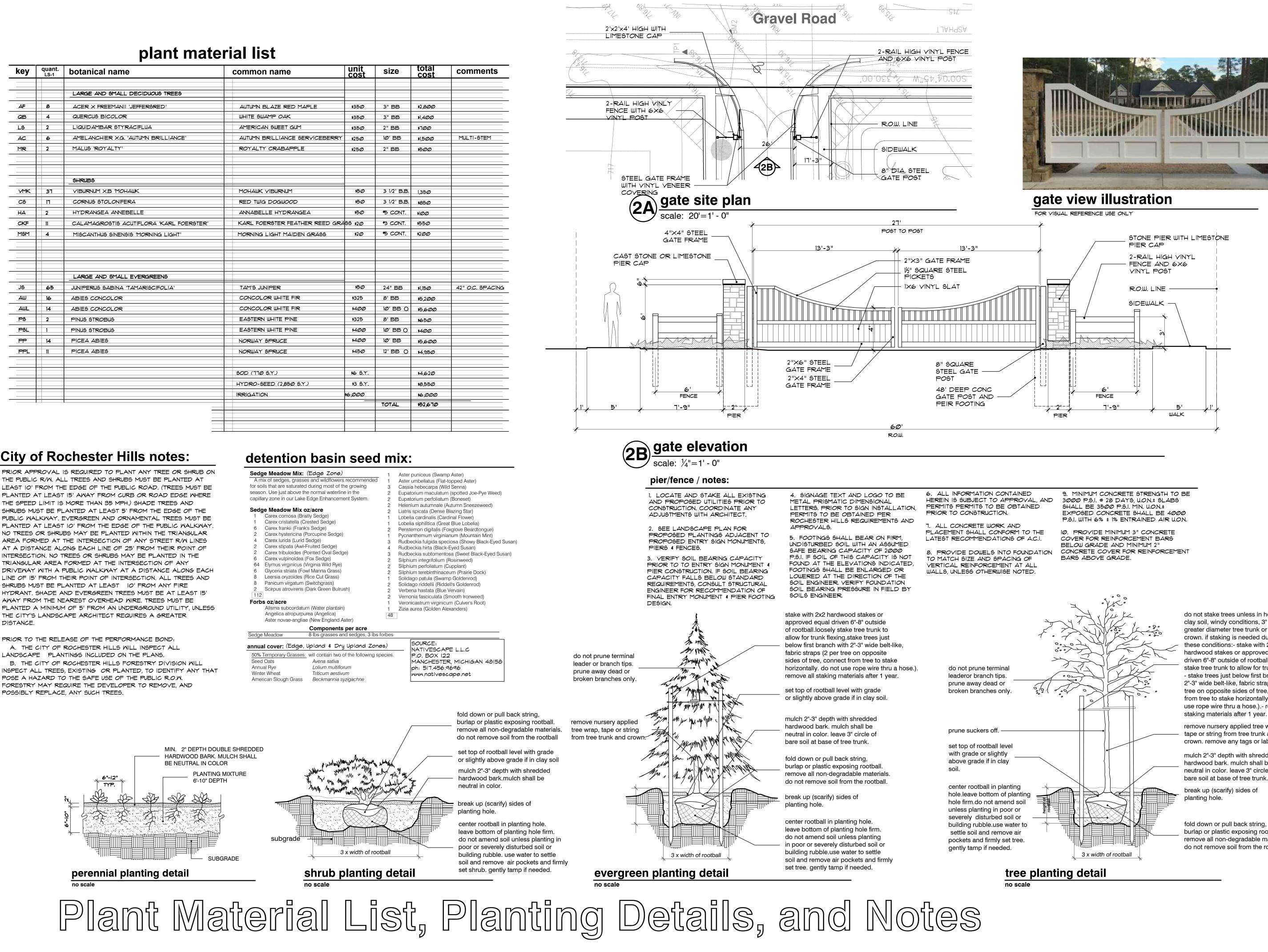
Sedge Meadow Mix: (Edge Zone) A mix of sedges, grasses and wildflowers recommended for soils that are saturated during most of the growing season. Use just above the normal waterline in the apillary zone in our Lake Edge Enhancement System Sedge Meadow Mix oz/acre

- Carex cristatella (Crested Sedge)
- 4 Carex lurida (Lurid Sedge)
- Carex vulpinoidea (Fox Sedge)
- 6 Glyceria striata (Fowl Manna Grass)
- 8 Panicum virgatum (Switchgrass)

112					
Forb	orbs oz/acre				
	Alisma subcordatum (Water plantain)				
	Angelica atropurpurea (Angelica)				
	Aster novae-angliae (New England Aster)				

Aster novae-ang	gliae (New England Aster)
	Components per acr
edae Meadow	8 lbs grasses and sedge

	J J ,	
inual cover: (Edge, I	Upland & Dry Upland Zones)	SOURCE: MATIVESCAPE I
50% Temporary Grasses:	will contain two of the following species.	
Seed Oats	Avena sativa	MANCHESTER, N
Annual Rye	Lolium multiflorum	ph: 517.456.969
Winter Wheat	Triticum aestivum	www.nativescap
American Slough Grass	Beckmannia syzigachne	





do not stake trees unless in heavy clay soil, windy conditions, 3" or greater diameter tree trunk or large crown. if staking is needed due to these conditions:- stake with 2x2 hardwood stakes or approved equal driven 6"-8" outside of rootball.- loosely stake tree trunk to allow for trunk flexing. - stake trees just below first branch with 2"-3" wide belt-like, fabric straps (2 per tree on opposite sides of tree, connect from tree to stake horizontally. do not use rope wire thru a hose.).- remove all

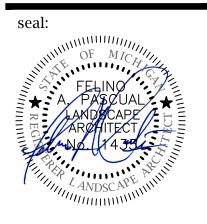
remove nursery applied tree wrap, tape or string from tree trunk and crown. remove any tags or labels.

mulch 2"-3" depth with shredded hardwood bark. mulch shall be neutral in color. leave 3" circle of bare soil at base of tree trunk. break up (scarify) sides of

fold down or pull back string, burlap or plastic exposing rootball. remove all non-degradable materials. do not remove soil from the rootball.



FELINO A. PASCUAI and ASSOCIATES community Land Planner and registered Landscape Architect 24333 Orchard Lake Rd, Suite G Farmington Hills, MI 48336 ph. (248) 557-5588 fax. (248) 557-5416



client: **Crestline Homes** 2553 23 Mile Rd Shelby Township, MI 48316 ph. (586) 822-3944

### project:

## BERKSHIRE

### project location:

City of Rochester Hills, Michigan John R Road and Gravel Ridge Road

sheet title: PLANT MATERIAL AND PLANTING DETAILS

job no./issue/revision date:					
LS17.083.07	SPA	7-05-2017			
LS17.083.08	SPA	8-01-2017			
LS17.083.09	SPA	9-21-2017			
LS17.083.11	SPA	11-29-2017			
LS18.079.05	SPA	05-29-2018			
LS18.079.06	SPA	06-11-2018			

### drawn by: JP, CS checked by: FP, OG date: 5-29-2018 notice: Copyright © 2018 This document and the subject matter contained therein is proprietary and is not to be used or reproduced without the written permission of Felino Pascual and Associates Do Not scale drawings. Use figured dimensions only **3 WORKING DAYS** BEFORE YOU DIG CALL MISS DIG

For free location of public utility line The location and elevations of existing nderground utilities as shown on this drawing are only approximate. no guarant is either expressed or implied as to the completeness of accuracy. contractor shall be exclusively responsible for determining the

exact location and elevation prior to the start

project no:

of construction

LS18.079.05

