

NOWAK FRAUS

Consulting Engineers Land Surveyors

1310 N. Stephenson Highway Royal Oak, MI 48067-1508 Tel. (248) 399-0886



Rochester Hills, MI

Part of the NW. 1/4 of Section 13 T. 3 North, R. 11 East City of Rochester Hills, Oakland County,

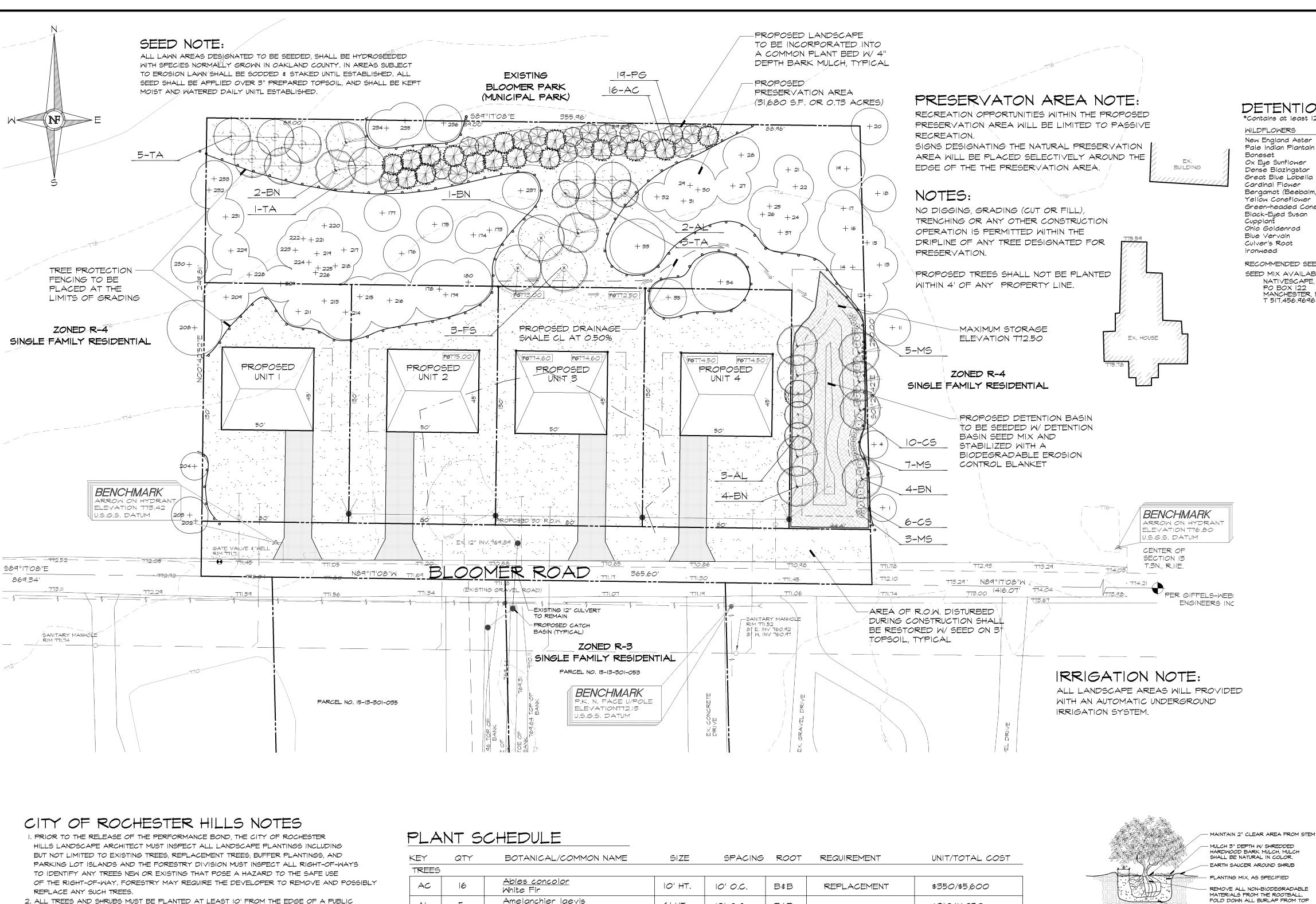
Tree Preservation Plan

3 WORKING DAYS BEFORE YOU DIG CALL MISS DIG. **3** 1-800-482-7171

04-26-04 REVISED PER CITY REVIEW

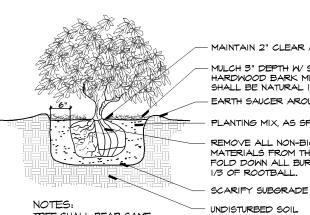
06-01-04 REVISED PER CITY REVIEW 06-30-05 REVISED PER ENGINEERING

SHEET NO.



- 2. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF A PUBLIC ROADWAY. SHADE TREES AND SHRUBS MUST BE PLANTED AT LEAST 5' FROM THE EDGE OF A PUBLIC WALKWAY. EVERGREEN AND ORNAMENTAL TREES MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF A PUBLIC WALKWAY. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST 10' FROM ANY FIRE HYDRANT. SHADE AND EVERGREEN TREES MUST BE PLANTED AT LEAST 15' FROM THE NEAREST OVERHEAD WIRE AND AT LEAST 10' FROM THE NEAREST UNDERGROUIND UTILITY.
- 3. NO TREE OR SHRUB MAY BE PLANTED WITHIN THE TRIANGULAR AREA FORMED AT THE INTERSECTION OF ANY STREET RIGHT-OF-WAY AT A DISTANCE OF 25' FROM THEIR POINT OF INTERSECTION. NO TREE OR SHRUB MAY BE PLANTED IN THE TRIANGULAR AREA FORMED AT THE INTERSECTION OF ANY DRIVEWAY WITH A PUBLIC SIDEWALK AT A DISTANCE ALONG EACH LINE OF 15' FROM THEIR POINT OF INTERSECTION.
- 4. PRIOR APPROVAL IS REQUIRED TO PLANT ANY TREE OR SHRUB IN THE PUBLIC RIGHT-OF-WAY. 5. NO SUBSTITUTIONS OR CHANGES OF LOCATION OR PLANT TYPES SHALL BE MADE WITHOUT THE APPROVAL OF THE DEVELOPER AND THE CITY OF ROCHESTER HILLS LANDSCAPE ARCHITECT. 6. THE DEVELOPER AND/OR THE CITY OF ROCHESTER HILLS LANDSCAPE ARCHITECT SHALL HAVE THE RIGHT, AT ANY STAGE OF THE INSTALLATION, TO REJECT ANY WORK OR MATERIAL THAT DOES NOT MEET THE REQUIREMENTS OF THE PLANS OR SPECIFICATIONS.
- 7. REPLACEMENT TREES MAY NOT BE PLANTED WITHIN THE DRIP LINE OF EXISTING TREES 8. TREES MUST BE AT LEAST 10' FROM UNDERGROUND UTILITIES AND 15' FROM OVERHEAD UTILITIES.

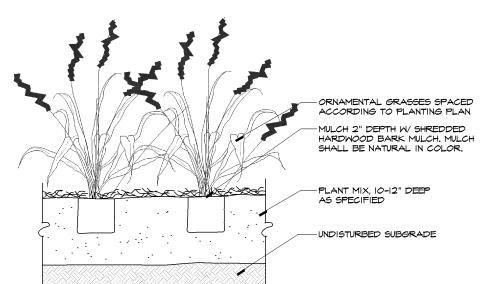
<ey< th=""><th>QTY</th><th>BOTANICAL/COMMON NAME</th><th>SIZE</th><th>SPACING</th><th>ROOT</th><th>REQUIREMENT</th><th>UNIT/TOTAL COST</th></ey<>	QTY	BOTANICAL/COMMON NAME	SIZE	SPACING	ROOT	REQUIREMENT	UNIT/TOTAL COST
TREES							
AC	16	<u>Abies concolor</u> White Fir	10' HT.	10' 0.C.	B∉B	REPLACEMENT	\$350/\$5,600
AL	5	Amelanchier laevis Allegheny Serviceberry	6' HT.	12' 0.C.	B∉B		\$210/\$1,050
BN	П	<u>Betula nigra</u> (MIN 3 CANES) River Birch	14' HT.	22' O.C.	B&B	REPLACEMENT	\$350/\$3,850
FS	3	<u>Fagus sylvatica</u> 'Riversii' Purple Beech	B" CAL.	22' O.C.	B&B	REPLACEMENT	\$450/\$1,350
PG	19	<u>Picea glauca</u> 'Densata' Black Hills Spruce	0	10' 0.0.	B#B	REPLACEMENT	\$350/\$6,650
TA	9	<u>Tilia americana</u> 'Redmond' American Linden	3" CAL.	VARIES	B\$B	REPLACEMENT	\$400/\$3,600
SHRUBS	5						
cs	16	<u>Cornus sericea</u> 'Baileyii' Bailey Redtwig Dogwood	30" HT.	3.5' O.C.	B∉B		\$50/\$800
SROUNI	DCOVERS	/PERENNIALS					
MS	15	<u>Miscanthus sinensis</u> 'Morning Light' Morning Light Maiden Grass	5 GAL.	36" O.C.	CONT.		\$25/\$375
	<u>.</u>					TOTAL	\$23,275.00



TREE SHALL BEAR SAME RELATION TO FINISH GRADE AS IT BORE ORIGINALLY. DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTIC AND OTHER MATERIALS

SHRUB PLANTING DETAIL DECIDUOUS SHRUB



ORNAMENTAL GRASS PLANTING DETAIL

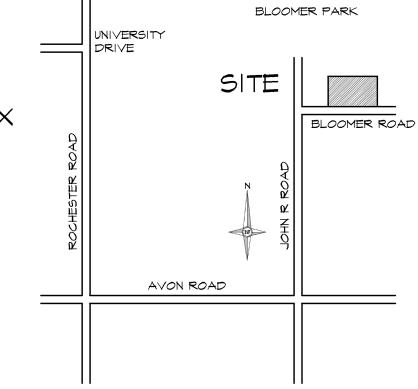


GRASSES New England Aster Big Blustem Cānada Wild Rue Pale Indian Plantain Dark Green Bulrush Indian Grass Prairie Cord Grass Dense Blazinastar Great Blue Lobelia Bergamot (Beebalm, Yellow Coneflower Green-headed Coneflower

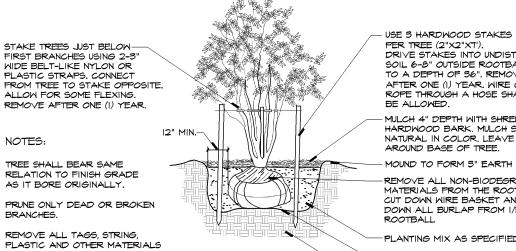
RECOMMENDED SEEDING RATE:10-12 LBS/ACRE SEED MIX AVAILABLE:

NATIVESCAPE, LLC PO BOX 122 MANCHESTER, MI 48158 T 517.456.9696

NOTES:



LOCATION MAP



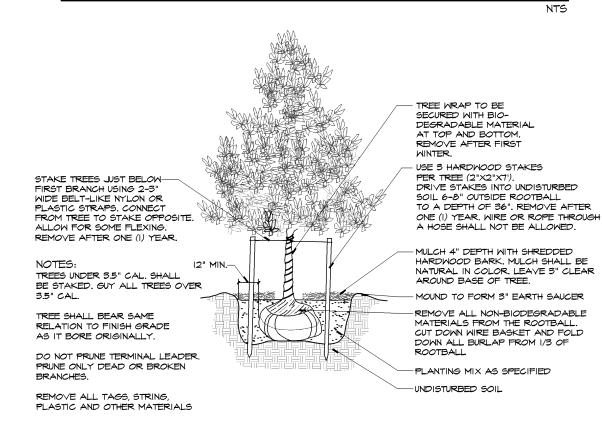
PER TREE (2"X2"X7").

DRIVE STAKES INTO UNDISTURBED SOIL 6-8" OUTSIDE ROOTBALL TO A DEPTH OF 36". REMOVE AFTER ONE (1) YEAR. WIRE OR ROPE THROUGH A HOSE SHALL NOT BE ALLOWED. - MULCH 4" DEPTH WITH SHREDDED HARDWOOD BARK, MULCH SHALL BE NATURAL IN COLOR, LEAVE 3" CLEAR AROUND BASE OF TREE. - MOUND TO FORM 3" EARTH SAUCER -REMOVE ALL NON-BIODEGRADABLE MATERIALS FROM THE ROOTBALL.

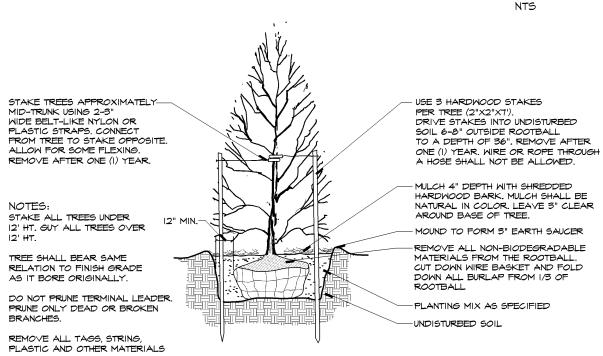
CUT DOWN WIRE BASKET AND FOLE DOWN ALL BURLAP FROM 1/3 OF ROOTBALL

-PLANTING MIX AS SPECIFIED - SCARIFY PLANT PIT TO 4" DEPTH & RECOMPACT -UNDISTURBED SOIL

MULTI-STEM TREE PLANTING DETAIL



DECIDUOUS TREE PLANTING DETAIL

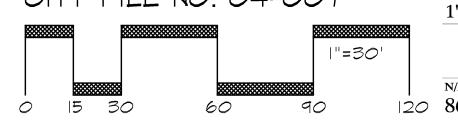


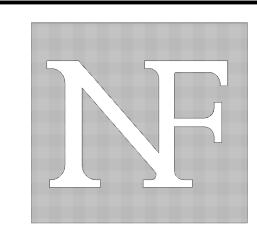
EVERGREEN TREE PLANTING DETAIL

NOTE:

IF A TREE DESIGNATED FOR PRESERVATION IS DAMAGED AT ANY TIME DURING THE DEVELOPMENT PROCESS, THE DEVELOPER IS SUBJECT TO FINING. A FINE IN THE SUM OF \$127.00 PER CALIPER INCH OF EACH DAMAGED TREE WILL BE ISSUED. THIS FINE MUST BE PAID PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

CITY FILE NO. 04-007





FRAUS

Consulting Engineers Land Surveyors Land Planners

1310 N. Stephenson Highway Royal Oak, MI 48067-1508 Tel. (248) 399-0886 Fax. (248) 399-0805



Bloomer Park **Estates**

CLIENT

P.E.G. Construction 2437 Munster Rochester Hills, MI

Contact: Mr. Guido Grassi Tel. 248.375.1654

PROJECT LOCATION

Part of the NW. 1/4 of Section 13 T. 3 North, R. 11 East City of Rochester Hills, Oakland County, Michigan

SHEET

TreeReplacement/ Landscape Plan



DATE/ REVISION

04-26-04 REVISED PER CITY REVIEW 06-01-04 REVISED PER CITY REVIEW 06-30-05 REVISED PER ENGINEERING

DRAWN BY:	
2141	
2141	
drawn by: G. Ostrowski	
G. Ostrowski	

G. Ostrowski APPROVED BY: G. Ostrowski DATE: 01-12-04

SCALE: 1" = 30'

N/F JOB NO. SHEET NO. 8608-01

