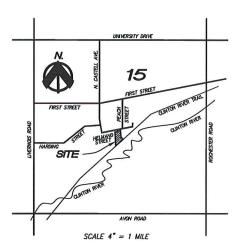
The Sanctuary at River's Edge Planned Unit Development

Submitted for PUD Review Rochester Hills, Oakland County, Michigan

LOCAL ASSET MAP



LOCATION MAP



LEGAL DESCRIPTION

THE EASTERLY 1/2 OF BLOCK 10 OF "C.O. RENSHAW ADDITION TO THE VILLAGE OF ROCHESTER" AS RECORDED IN LIBER 4 OF PLATS, PAGE 55, OAKLAND COUNTY RECORDS, ALSO PART OF THE N.W. 1/4 OF THE S.E. 1/4 OF SECTION 15, T.3N., R.11E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE CENTER OF SECTION OF SAID SECTION 15; THENCE S.02'46'56"W, 272.68 FT. ALONG THE KORTH-SOUTH 1/4 LINE TO THE POINT OF BEGINNING; THENCE N.87'16'43"E., 187.47 FT. ALONG THE SOUTH LINE OF SAID C.O. RENSHAW ADDITION; THENCE N.01'41'02"E., 91.49 FT. TO THE SOUTHERLY RIGHT OF WAY OF HELMAND STREET (50 FT. WIDE); THENCE N.84'13'10"E., 160.33 FT. ALONG THE SOUTHERLY LINE OF SAID HELMAND STREET, THENCE S.104'54"W, 471.29 FT.; THENCE S.39'45'17"E., 128.37 FT. TO A POINT ON THE NORTHWESTERLY LINE OF THE CLINTON RIVER TRAIL (FORMERLY THE GRAND TRUNK RAILROAD RIGHT OF WAY); THENCE S.50'14'53"W, 802.80 FT. ALONG THE CLINTON RIVER TRAIL; THENCE N.02'46'56"E., 839.87 FT. ALONG THE NORTH—SOUTH 1/4 LINE TO THE POINT OF BEGINNING. CONTAINING 6.163 ACRES OF LAND.

SHEET INDEX



COVER SHEET SITE PLAN RCD TEST PLAN CONCEPT SP 1.0 SP 1.1 SP 1.2 SP 1.3 SP 1.5 SP 1.6 SP 1.7 LA 1.0 LA 1.1 LA 2.0 A-1 EXISTING CONDITIONS WOODLAND ANALYSIS TREE SURVEY
TREE LIST
PRELIMINARY ENGINEERING & WATER INFILTRATION PLAN
LANDSCAPE CONCEPT PLAN SITE SECTION ENTRANCE CONCEPT PLAN SPECIFICATIONS & DETAILS
ARCHITECTURAL CONCEPT ELEVATIONS

PROJECT

THE SANCTUARY AT RIVERS EDGE, ROCHESTER HILLS, OAKLAND COUNTY, **MICHIGAN**

CLIENT / APPLICANT MJ RIDGÉPOINTE, LLC. MARK GESUALE 49587 COMPASS POINTE CHESTERFIELD TOWNSHIP, MICHIGAN 48047 PHONE: (586) 421-5729

PROJECT LANDSCAPE ARCHITECT/PLANNER DESIGNTEAM PLUS, LLC.
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BIRMINGHAM, MICHIGAN 48009 PHONE: (248) 224-5933

PROJECT ENGINEER APEX ENGINEERING GROUP INC. WILLIAM E. MOSHER IV, P.E. 279 N. GLENGARRY ROAD BLOOMFIELD TOWNSHIP, MICHIGAN PHONE: (586) 876–3947

PROJECT ARCHITECT TR DESIGN GROUP, LLC. JEFF ZIEGELBAUR, PRINCIPAL 6001 N. ADAMS, SUITE 202 BLOOMFIELD HILLS, MICHIGAN 48304 PHONE: (248) 792–3256

ISSUED FOR

PUD CONCEPT REVIEW DATE: 5/15/14

CITY REFERENCE NUMBER

NUMBER: XXXXX

DesignTeam + 975 E. Maple Road, Suite 210 Birmingham, Michigan 48009

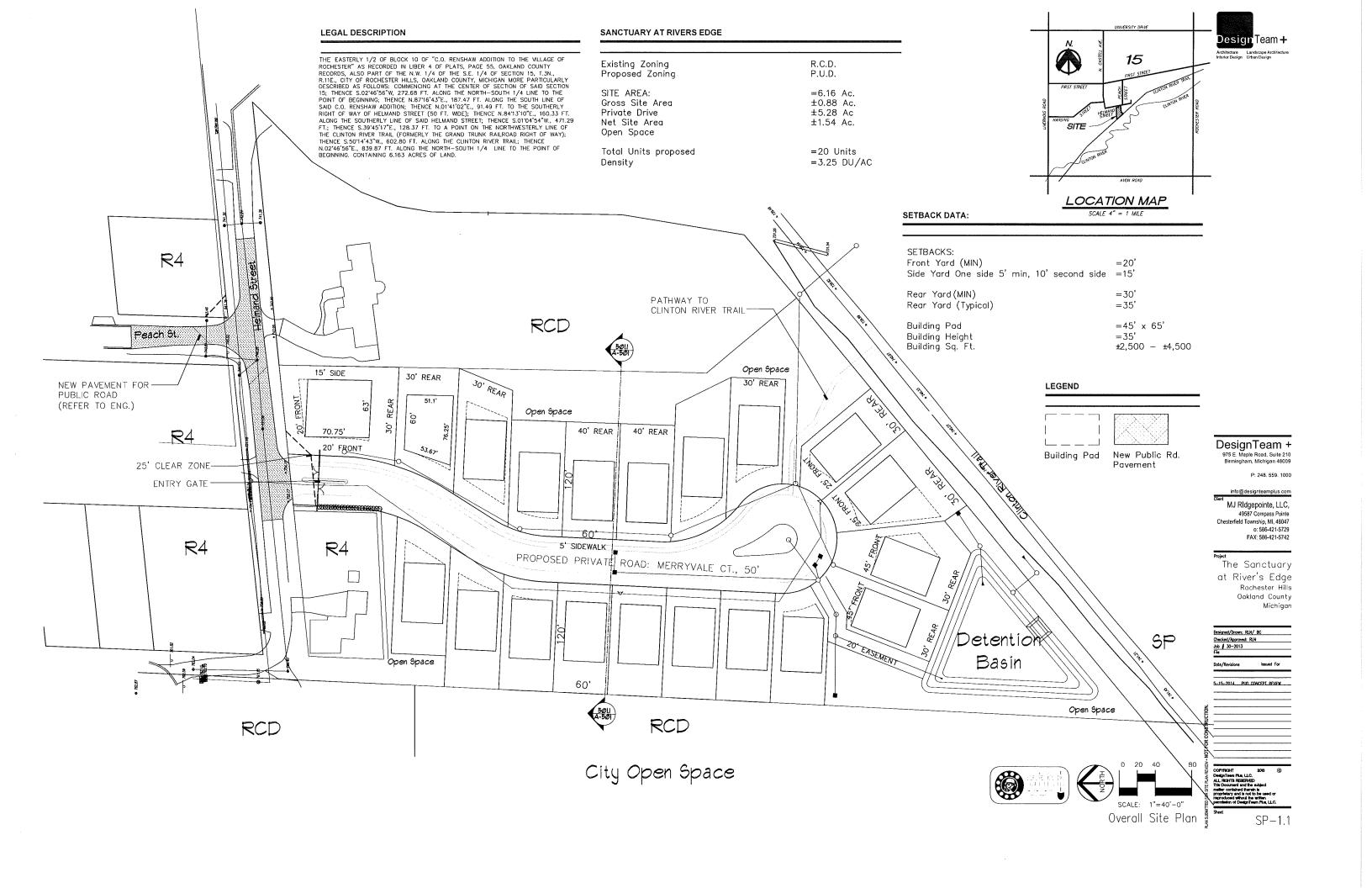
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MJ Rldgepointe, LLC, 49587 Compass Pointe Chesterfield Township, MI, 48047 o: 586-421-5729 FAX: 586-421-5742

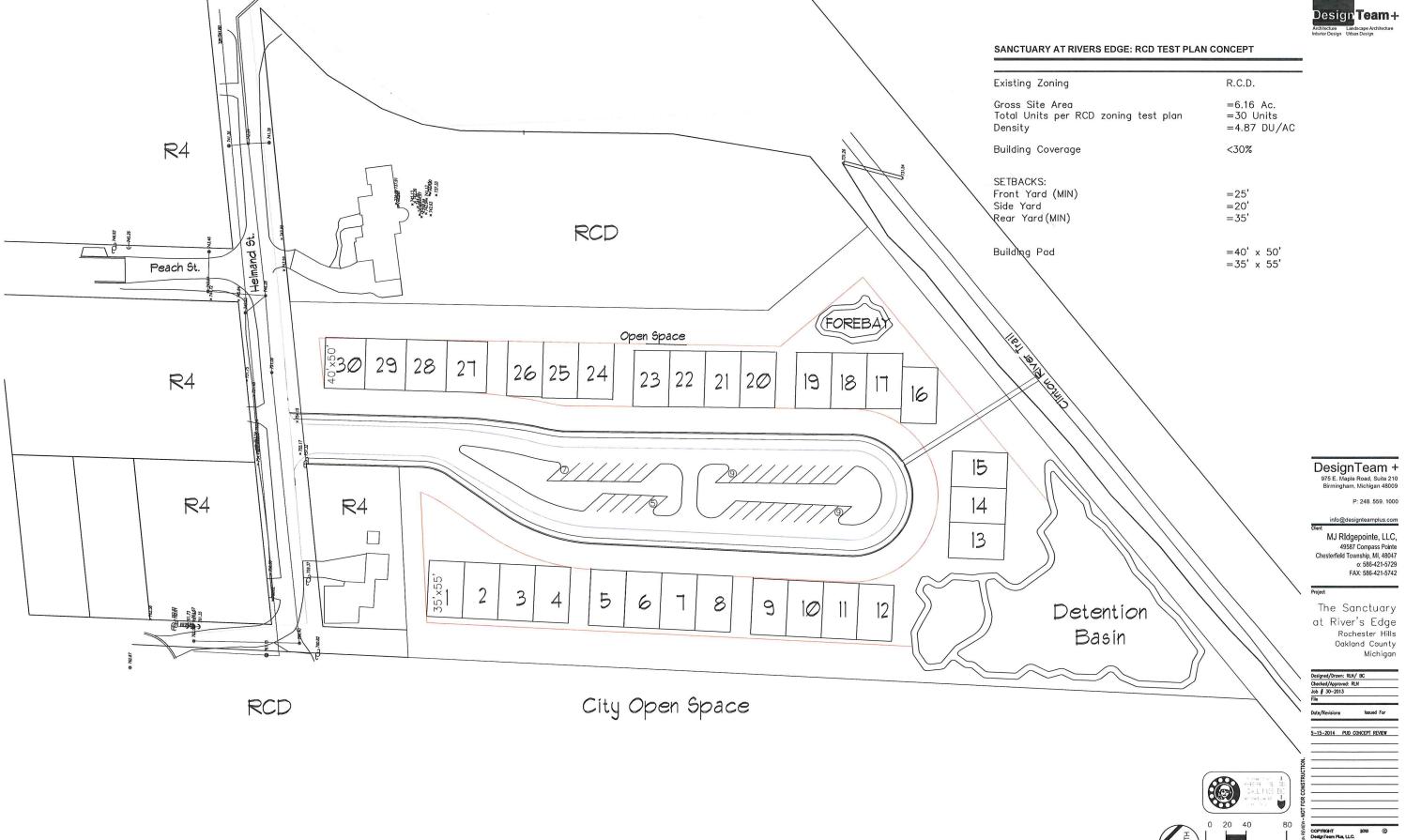
The Sanctuary at River's Edge Rochester Hills Oakland County Michigan

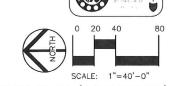
Designed/Drown: RLN/ BC

5-15-2014 PUD CONCEPT REVIEW

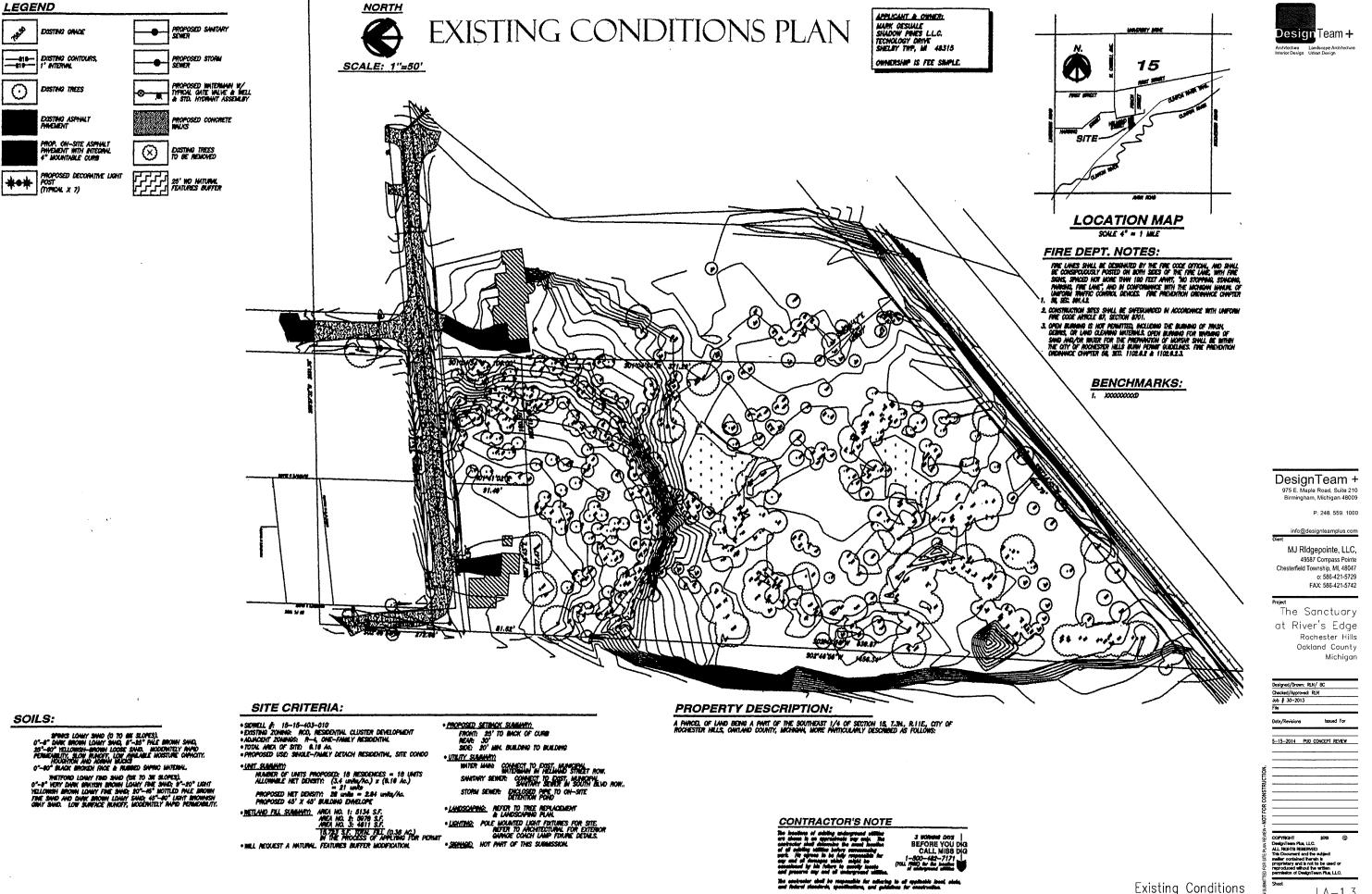


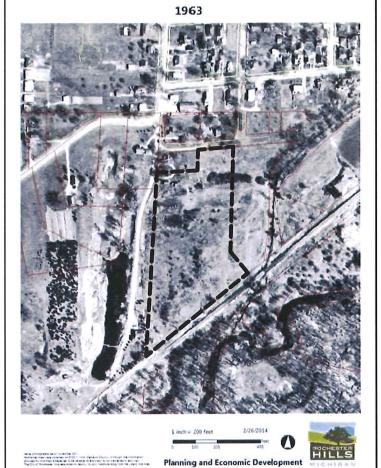




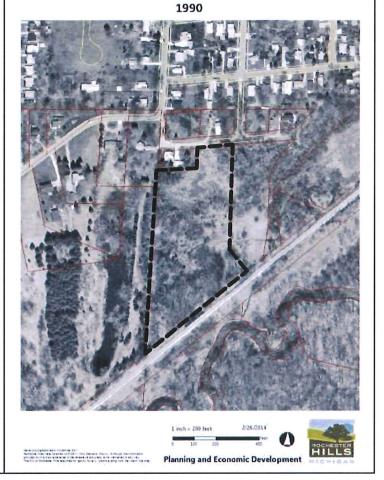


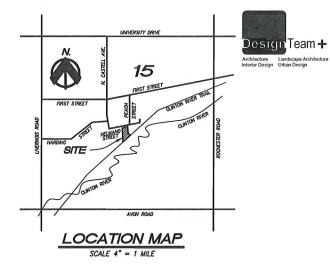
RCD TEST PLAN (CONCEPTUAL)







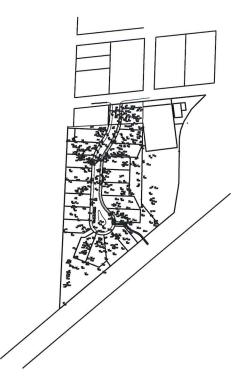




Woodland Coverage from 1963 - 1990



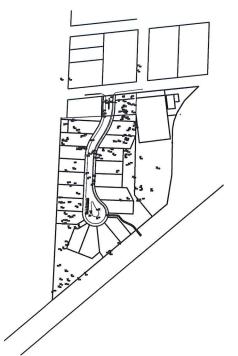
Woodland Coverage in 2010



Pioneer Growth — Low Quality Trees

LOW QUALITY TREES ON SITE

NAME	QTY.
AMERICAN ELM	72
APPLE	2
ASPEN	43
BLACK CHERRY	48
BLACK WILLOW	1
BOXELDER	98
BUCKTHORN	1
COTTONWOOD	154
SHAGBARK HICKORY	1
SIBERIAN ELM	101
WEEPING WILLOW	1
WHITE ASH	2
WHITE MULBERRY	6
TOTAL	530



Pioneer Growth - High Quality Trees

DesignTeam + 975 E. Maple Road, Suite 210 Birmingham, Michigan 48009

HIGH QUALITY TREES ON SITE

BLACK WALNUT BUR OAK NORWAY MAPLE

RED MAPLE RED OAK SCOTCH PINE SWAMP WHITE OAK WHITE OAK WHITE SPRUCE

TOTAL

MJ RIdgepointe, LLC,

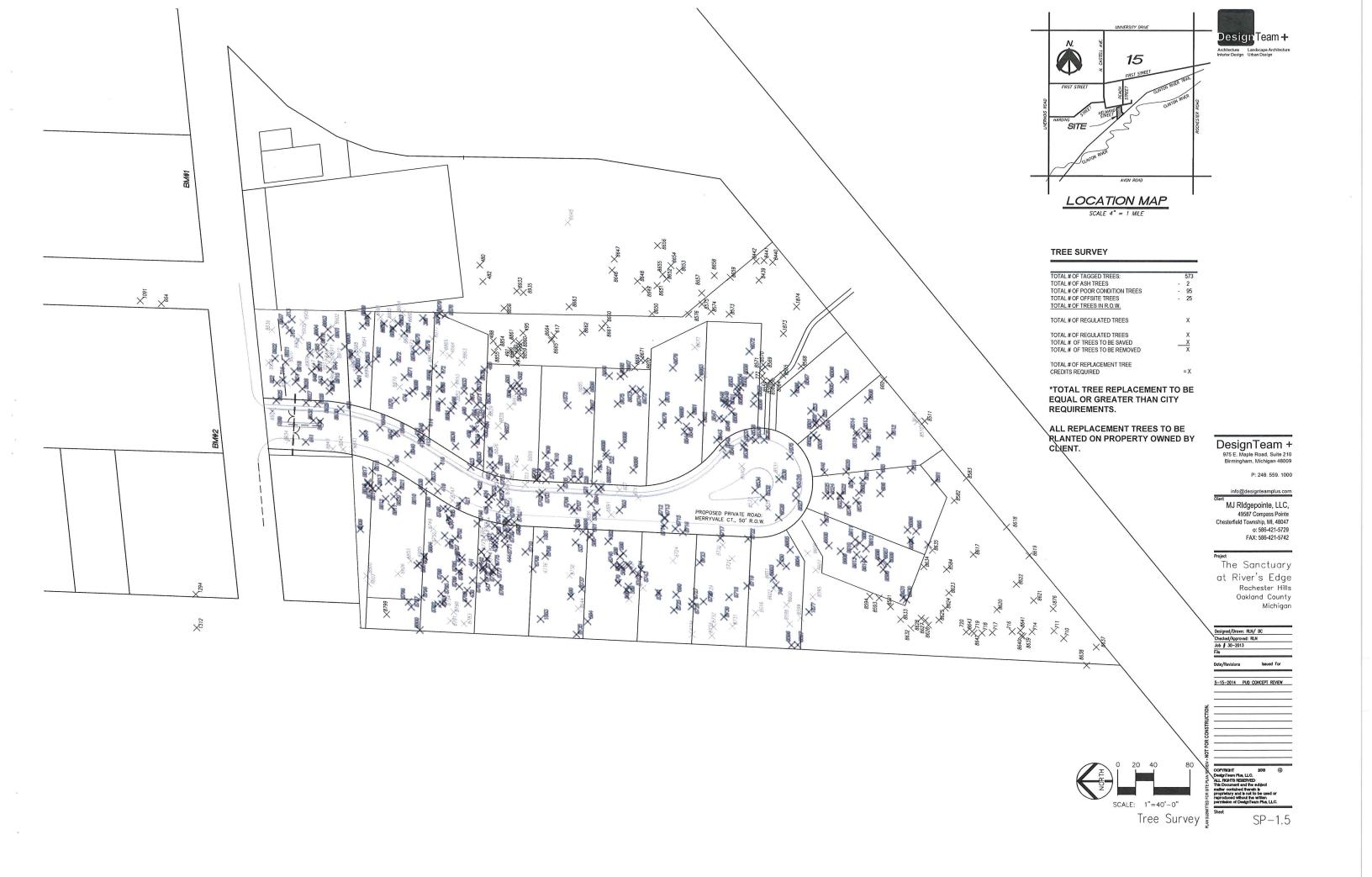
49587 Compass Pointe Chesterfield Township, MI, 48047 o: 586-421-5729 FAX: 586-421-5742

The Sanctuary at River's Edge Rochester Hills Oakland County Michigan

	Job # 30-2013 File		_
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Woodland Analysis



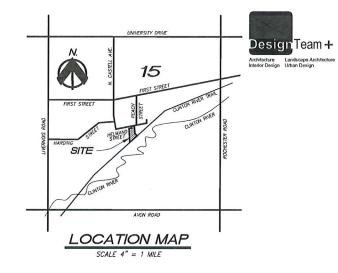


	D.B.H. in Inches	Species Karns (Common - Scientific)	Health Condition*	Crown Spread*	Note
313 315	18 20	Siberian Elm - Ulma punda Siberian Elm - Ulma punda	Poor Fair	20	
316 389	15 21,14	Siberian Elm - Ulmia pumilia Cottonwood - Pomulia delmides	Good	25 30	
390	12	Siberian Elm - Ulous punifia	Poor Fair	15	
401	19	Cottonwood - Populus delmides Cottonwood - Populus delmides	Good	25 25	
409	18,15	Cottonwood - Populus delinides	Good	25	
411	9 16	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Very Poor Fair	13 20	EX
413	20 24	Cottorwood - Populos Achtoides	Good Fair	25 35	
416	19	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Good	20	
419 421	14	Cottonwood - Populas deltoides	Fair Fair	20 15	
422	18	Cottenwood - Populus elekvides Cottenwood - Populus elekvides	Fair	20	
424 425	13	Cottonwood - Populus skelmides Cottonwood - Populus skelmides	Poor Poor	15	
427	15	Cettourreed - Pepulus delarides Cettourreed - Pepulus delarides	Fair	25	
428 431	13	Cottonwood - Populus delinides	Fair Fair	15 15	
432	15	Cottonwood - Populus deltoides	Fair Fair	20	
435	8	Cottonwood - Populus deltoides Siberian Elm - Ulmas pundu	Poor	15 20	
437	21	Cottonwood - Populas deltoides Cottonwood - Populas deltoides	Good	20	
438 441	15	Cottonwood - Papulas deltoides Cottonwood - Papulas deltoides	Good	15	
442	11	Cottonwood - Parales delevides	Poor Fair	10	
447	14	Siberian Elia - Ulmes puesila Cottonwood - Populus slefroides	Fair	20	
451 454	9	Cuttonwood - Prynthe skelniske Boxelder - Acer regando Cuttonwood - Populas delinisky	Poor Poor	15	EX
458 459	10	Cottonwood - Populus deltricks Cottonwood - Populus deltricks	Very Poor	10	EX
460	15	Cottonwood - Popular deltoides	Fair Good	15	
462	9	Cottonwood - Popules deltoides Cottonwood - Popules deltoides	Very Poor	10	EX
463 464	7	Siberian Elen - Ulmus pumelu Cottorwood - Aspulas deltondes	Very Poor Fair	20	EX
466 467	9	Siberian Elan - Ulmus pumila Cottonwood - Pumilin skilvisles	Poor Poor	15	
472	22 17		Fair Fair	30	
480	26	Cottorwood - Populas deltoides Cottorwood - Populas deltoides	Good	25	
482 488	20,12	Cottonwood - Propelus delivides Cottonwood - Propelus delivides	Fair Fair	20 20 25	
489	30	Cottonwood - Popular deltoides Cottonwood - Popular deltoides	Very Poor Good	25	EX
491	17	Cottonwood - Popular deltoides Cottonwood - Popular deltoides	Poor Fair	20	
495	23,15	Cottonwood - Popular deltoides	Poor	30	
497 502	12	Cottomwood - Popular deltoides Cottomwood - Popular deltoides	Poor Poor	15	EX
503	16 28	Cottorwood - Popular skiltoides Cottorwood - Popular skiltoides	Very Poor Fair	20 25	EX
505 506	17,10	Cottonwood - Populus skitnisks Cottonwood - Populus skitnisks	Poor Good	25 25 35	
509	18	Cottonwood - Popular delavides	Fair Eair	20	
510 514	17	Cottonwood - Popular delivides Cottonwood - Popular delivides Cottonwood - Popular delivides	Poor	15	
519 520	15	Cottopwood - Populas deltoides	Poor Poor	15	
522 527	18 20	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Fair Fair	20	
529	18	Cottonwood - Psymbos deltoides	Fair Good	15	
535	12	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Very Poor	15	EX
536 537	25 13	Cottonwood - Populus deltaides Boxeldet - Acer regionds	Very Poor	25 30	EX
547 560	15 23	Cuttonwood - Populus deltoides American Elm - Ulmos americana	Fair Dead	15 25	EX
564 568	60	Cottonwood - Populus deltoides	Fair	55	EX
569	12	Cottonwood - Populas deltoides Cottonwood - Populas deltoides Cottonwood - Populas deltoides	Very Poor Very Poor	10	EX
570 574	23 19.15	Cottonwood - Populus deltoides	Good	25 20	
576 577	12 22	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Very Poor	10 23	EX
580	18	Cottonwood - Populsy deltoides	Fair	20	
581 586	16 21	Cottomwood - Prymbis deltoides Cottomwood - Prymbis deltoides	Poor Fair	15 20	
587 588	13 23	Cottesmood - Populus deltoides Cottesmood - Populus deltoides Cottesmood - Populus deltoides	Very Poor Good	10	EX
589	13	Cuttonwood - Populus deltoides Siberian Elra - Ulmus pumila	Very Poor Good	10	EX
603	18	Cottonwood - Populas deltoides	Fair	25	
617	19,14,11	Boxelder - Acer negwide Contorwood - Populus deltoides	Dend Fair	10 25	EX
641 643	7	Siberian Elm - Ulmus pumila Siberian Elm - Ulmus pumila	Very Poor	15	EX
644 645	11	Siberian Elm - Ulmus punila Boxelder - Acer negundo	Fair Poor	15	
647	6	Boxelder - Acer negando	Very Poor	15	EX
648 651	10	Siberian Elm - Ulous puosila Siberian Elm - Ulous puosila	Fair Fair	15	
652 655	11	Seberian Elm - Ulmus pumila Seberian Elm - Ulmus pumila	Poor Good	20	
660 664	33 52	White Oak - Quereus alba But Oak - Quereus mourocurps	Good	50	
710	46	Cottonwood - Populus deltoides	Good	45	
711 714	30 22	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Poor Fair	25 20 30	
716 717	25 20	Cottorwood - Papalus deltoides Cottorwood - Papalus deltoides	Poor Poor	30	_
718	40 17	Cottonwood - Populas deltoides Cottonwood - Populas deltoides	Good Poor	35 15	
720	32	Cottonwood - Popular delivides	Fair	30	
746 750	21 18,14	Cottonwood - Populus detroldes Siberian Elen - Ulmus punilla	Good Poor	30	
777 823	7 8	Aspen - Populas spp Aspen - Populas spp	Very Poor Very Poor	10	EX
825 828	9	Aspen - Populso spp.	Very Poor Poor	10	Đ
846	10,9,7,7	Aspen - Populus spp. American Elm - Ulmus americana	Fair	30	
851 855	24 20	Cottorwood - Populis deltoides Cottorwood - Populis deltoides	Fair Fair	30 25	
880 886	25 17	Cottonwood - Popular deltoides	Good Good	40 20	
895 1091	25	Cottonwood - Popular delloides	Good	25	
1294	10 15	Black Walnut - Jugdans nigru Shagbark Hickory - Carya orata	Greed Fair	15 20	
1312 1869	6	Red Onk - Quercus rubru Siberian Elm - Ulmus pumila	Fair Poor	15	
1870	13	Siberiun Elm - Ulmus pumila	Good	15	

1872	7	Black Cherry - Pranta sensina	Good	15	
1874	9	American Flm - Ulmat americana American Flm - Ulmas americana Black Willow - Salic nigra	Poor Fair	15	
1875 1876	7		Poor Fair	15	
1877 1878	12,9,8	Boxelder - Acer negands Boxelder - Acer negands	Poor Poor	20 35	
1879	7	Red Maple - Acer rabrum Boxelder - Acer negundo Siberian Elm - Ulmas pancila	Fair Fair	10	
1881 1882	11	Boxelder - Acer negundo	Fair Very Poor	15 25	EX
1883 8439	11.8	American Elen - Ulmus americana American Elen - Ulmus americana	Good	15 20	
8440 8441	10	American Flm - Ulmus americana American Flm - Ulmus americana	Fair Good	20 25	
8442 8501	7 9	American Flm - Ulmix americana Aspen - Populus app.	Poor Fair	10	
8502 8503	10,9	Aspen - Populus spp. Aspen - Populus spp.	Fair Fair	20 15	
8504 8505	9	American Elm - Ulmus americana American Elm - Ulmus americana	Fair Fair	15	
8506 8507	10	American Elm - Ulmas americana American Elm - Ulmas americana	Good Good	15	
8508	7	American Floa - Ulmas americana Red Oak - Quercus rabra	Fair Fair	15	
8510 8511	9	Red Oak - Overest rubes	Good	15 20	
8512 8513	8	Red Oak - Quercus rubra American Elm - Ulmus americana Aspen - Popuhu spp.	Good Fair	15	
8514 8515	11	Aspen - Populus spp. Aspen - Populus spp. Aspen - Populus spp.	Fair Fair	15	
8516 8518	7	Aspen - Populus sep. American Elm - Ulmos americana	Very Poor	30	EX
8519	8	Black Cherry - Primus serotina	Good Good	15	EX
8520 8521	19 10	American Elm - Ulmus americana American Elm - Ulmus americana	Fair Good	30 15	
8522 8523	8	American Flm - Ulmas americana American Flm - Ulmas americana	Poor Fair	15	
8524 8525	7	American Elm - Ulmus americana American Elm - Ulmus americana	Poor Poor	30 15	
8526 8527	8	American Elm - Ulmus americana Black Cherry - Prunsa serotina	Fair Poor	35 10	
8528 8529	27	Weeping Willow - Salie habytonica	Good Very Poor	30	EX
8530 8531	12	Scotch Pine - Pieus sulvestris Aspen - Populio sep. Red Maple - Acer rabrum	Fair Fair	15	
8532	8 7	Siberian Elm - Ulman pamida White Ash - Frankous americana	Poor Poor	10	EX
8534 8535	10	Aspen - Populus spp. American Elm - Ulmas americana	Good Poor	15 25	
8536 8537	7,6	American Elm - Ulma americana American Elm - Ulma americana American Elm - Ulmas americana	Poor Good	25 30	
8538 8539	9,6	American Elm - Ulmis americana American Elm - Ulmis americana American Elm - Ulmis americana	Poor Poor	25 25	
8540 8541	9	Red Maple - Acer rubrust American Elm - Ulmus americana	Good	15	EX
8542	10		Very Poor Poor	40	EX
8543 8544	10	American Elm - Ulmin americana Black Cherry - Priorus servitina	Poor View Person	10	
8545 8546	10	American Elm - Ulmus americana	Very Poor Good	25 15	EX
8547 8548	1.5	American Elm - Ulmus umericana Aspon - Populus 1919.	Poor Fair	15 25	
8549 8550	13	Aspen - Populus spp. American Elm - Ulmus americana	Fair Fair	20 15	
8551 8552	7	American Firm - Ulmus americana Aspen - Populsa spp.	Poor Very Poor	20 10	EX
8553 8554	14	Aspen - Populos spp. Aspen - Populos sep.	Fair Fair	20	
8555 8556	12,11	Aspen - Popular spp American Elm - Ulmus americana	Poor Fair	25 15	
8557 8558	10	Aspen - Populus spp Aspen - Populus spp	Poor Fair	10	
8559 8560	10	Aspen - Populus spp. Aspen - Populus spp.	Poor Very Poor	10	EX
8562 8564	10		Poor Very Poor	15	Ex
8565 8566	7	Aspen - Pepulus 1911. American Elm - Ulmus americana American Elm - Ulmus americana	Fair Poor	20	-
8567 8568	10	American Flm - Ulmus americana	Fait	20	
8569	15	American Flm - Ulmus americana Aspea - Populus sep.	Good Fair	20	
8570 8571	7,6	Aspen - Populas sep. American Flm - Ulma americana	Fair Poor	15	
8572 8573	6	Aspen - Populus 1550. American Elm - Ulmus americana American Elm - Ulmus americana	Fair Fair	10	
8574 8575	6		Very Poor Fair	15	EX
8576 8577	6	American Elm - Ulmus americana Black Cherry - Promo serotina	Poor Fair	15	
8578 8579	10	American Elm - Ulmus americana	Good	20 10	
8580 8581	9	American Elm - Ulmus americana	Poor Poor	20 15	
8582 8583	8 7	Black Cherry - Prume seroting American Elm - Ulmos americana Black Cherry - Prumes serotina	Good Good	10	
8584 8585	8	American Elm - Ulmas americana American Elm - Ulmas americana	Dead Fair	15	EX
8586 8587	7 25	American Elm - Ulma americana Cottonwood - Populus deltoides	Poor Good	10	
8588 8589	6	American Elm - Ulma americana American Elm - Ulma americana	Fair Fair	15	
8590 8591	16	Black Cherry - Pruntes serotina	Fair	25	
8591 8593	13	Black Cherry - Primus serotina Red Maple - Acer rubrum	Good Poor	20	
8593 8594 8595	20	Aspen - Populus spp. Red Maple - Acer rubrum	Fair Good	30	
8595	15	Cottonwood - Popular delivides Cottonwood - Popular delivides	Good Poor	25 15	
8599	9	Boxelder - Acer negunds Boxelder - Acer negunds	Very Poor Poor	20 15	EX
8600 8601	8	Boxelder - Aver negamlo Red Maple - Aver rulerum	Dead Fair	10	EX
8603	9,8	Red Maple - Aver rubrum Siberian Elm - Ulmas manila	Fair Poor	20 20	
8604 8605	28 17	Cottonwood - Populsa deltoides Siberian Elm - Ulmus pumila	Good Poor	25 30	
8606 8607	15	Red Maple - Acer rabram Red Maple - Acer rabram	Good Fair	20 15	
8608 8609	9 7	Siberian Elm - Ulmus pamila American Elm - Ulmus americana	Good Fair	15	
8610 8611	14	Black Cherry - Pranter serotlest	Fair Poor	25 10	
8612 8613	17	Black Cherry - Prumas serotina Cottomwood - Populus deitoides Black Cherry - Prumas serotina	Poor Very Poor	20	EX
8614 8616	10	Black Cherry - Primas serorina Boxelder - Acur negundo	Fair Fair	20	
8617 8618	8 22	American Elm - Ulmus americana Black Cherry - Proma serotina	Dead	15	EΧ
8619	12	Black Cherry - Pramas serotina	Poor Fair	30 15	
8620 8621	7	Baxelder - Aver negando Black Walnut - Juglans nigra	Very Poor Good	25	EX
8621 8622 8623	8	Black Cherry - Prunta serotina American Elm - Ulmta americana Black Cherry - Prunta serotina	Fair Dead	10	EX
8624 8625	6	Black Cherry - Prums serotina	Fair Dead	10	EX
8626 8627	7	Black Cherry - Pramus serotina Black Cherry - Pramus serotina	Very Poor Fair	15 10	EX
8628 8630	8 7	Black Cherry - Primus serotina Black Cherry - Primus serotina	Fair Fair	10	
8632	8	Boxelder - Acer negundo Boxelder - Acer negundo	Poor Poor	10 20	
8633 8634	12	Black Cherry - Pruma serotina American Elm - Ulma americana	Good	15	EX
8635 8636	7	American Elm - Ulma americana American Elm - Ulma americana	Dead Dead	15	EX
8637 8638	16	Scotch Pine - Pinus sylvestris Black Cherry - Pranta serotina	Fair Fair	20	

8644 8645	7	Boxelder - Acer negundo	Poor	15	
8645	15	Boxelder - Acer negando Black Cherry - Promo serveina	Fair Good	20	
8647 8648	10	American Elm - Ulmus americana American Elm - Ulmus americana	Fair Very Poor	20 15	EX
8649 8650	10	Black Cherry - Prants serving	Good Good	15	
8651 8652	7 6	Black Cherry - Primas servatina Apple - Mohes spp.	Fair Poor	15	
8653 8654	6	American Elm - Climics americana	Very Poor	10	EX
8655	10	Apple - Malus spp. American Elm - Ulmus americana	Fair Good	20	
8656 8657	10	American Elm - Ulmus omericana Black Cherry - Primos serotina	Fair Good	20 15	
8658 8659	8 7	American Elm - Ulmus omericana American Elm - Ulmus omericana	Dead Fair	10	EX
8660 8661	6	Buckthorn - Rhamms spp. Black Cherry - Prunts servins	Poor Fair	15 20	-
8662 8663	7		Fair Good	15 20	
8664 8665	10	Black Cherry - Prunts servina Cottonwood - Populas delinides Cottonwood - Populas delinides	Fair Poor	15	
8666 8667	10	Aspen - Papulas 1710. Aspen - Papulas 1710.	Very Poor Good	15 20	EX
8668 6669	8	Aspen - Populus spp. Aspen - Populus spp.	Poor Good	15	
8670 8671	12		Good	15	
8572	8	Aspen - Populus spp. Aspen - Populus spp.	Poor Poor	20 15	
8673 8674	7	Aspan - Populus spp. Aspan - Populus spp.	Good Poor	20 10	
8675 8676	14,7	Aspen - Popules upp. Black Cheny - Prunes serotina	Good	25	
8677 8678	10	Boxelder - Acer megamita	Fair Good	25 20	
8689	8	Aspen - Propolas spp. Black Cherry - Prones servitiou Black Cherry - Prones servitioa	Good Fair	15	
8681 8682	8	Black Cherry - Priones servitina Black Cherry - Priones servitina	Fair Good	15	
8683	10	Black Walnut - Jugfons nigra	Good	20	
8685	14	Boxelder - Acer negundo Boxelder - Acer negundo White Mulberry - Mores allu	Good	30	
8686 8687	7	American Flm - Ulmus americana	Poor Good	15 10	
8688 8689	37 16	Cottoewood - Populus delivides	Poor Fair	35 20	
8690 8691	12,8	Black Cherry - Prisons scrotion Boxeldet - Acer negando	Fair Poor	25 30	
8692 8693	9	Red Maple - Aver rateron Cottorwood - Populas deltoides	Fair Poor	15	
8694 8695	13	Cottorwood - Papulus deltoides	Poor	15	
8696	13	Boxelder - Acer negando Cottonwood - Pepulns deltoides	Very Poor	10	EX
8697 8698	13	Boxelder - Aver negatulo Cottonwood - Papulos Acitothes	Poor Poor	30 15	
8699 8700	18	Boxelder - Acer negando Cottonwood - Pamilio Acitoides	Fair Fair	25 20	
8701 8702	8	Boxelder - Aver negando Cottonwood - Populus deltoides	Poor Fale	20 15	
8703 8704	14	Cottonwood - Populus deltoides Cottonwood - Populus deltoides	Poor Very Poor	10	EX
8705	12	Cottonwood - Populus delinides Cottonwood - Populus delinides	Poor Poor	10	
8707 8708	11	Cottonwood - Populsa delitoides Boxeldet - Acer negundo	Very Poor	10	EX
8709	14,14	Siberian Den - Ulmas paneila Siberian Den - Ulmas paneila	Very Poor	45	EX
8710 8711	13	Boxelder - Acer negundo	Good Poor	15 25 20	
8712 8713 8714	7	Black Cherry - Primus serotina Black Cherry - Primus serotina Black Cherry - Primus serotina	Good Very Poor	15	EX
8715	7	Black Cherry - Promot serotina	Fair Poor	10	
8716 8717	6 8	Black Cherry - Prinner servicins Aspen - Pepulus 1991.	Very Poor Good	15	EX
8718 8719	15	Aspen - Populus spp. Aspen - Populus spp.	Poor Very Poor	20	EX
8720 8721	16	Scotch Pine , Pines solvettris	Fair	15	
8722 8723	ii	Scotch Pine - Pross spleasuris Black Cherry - Prossa servation White Adv. Francisco american	Very Poor Poor	25	EX
8724 8725	18	White Ash - Fractines americana Boxelder - Acer regardo	Fair Good	25	
8726	7 9	Black Walnut - Joglans nigra Black Cherry - Prinnes serotina Black Cherry - Prinnes serotina	Very Poor Poor	20	EX
8728	16	Cottonwood - Populia deltoides	Good	15	
8729 8730	6	Red Maple - Acer rabram Black Cherry - Private sensitiv	Fair Poor	15	
8731	9	Boxeldet - Acer negando Boxeldet - Acer negando	Poor Fair	15	
8733 8734	10	Boxeldet + Acer meganda Boxeldet + Acer meganda	Poor Poor	20 15	
8735 8736	8 7	American Elm - Ulmos americana Boxelder - Aver negando	Poor Fair	15	
8737 8738	8	American Elm - Ulmo americana Boxelder - Acer negotdo	Very Poor Poor	15 30	EX
8739 8740	13	Boxelder - Acer negundo Boxelder - Acer negundo	Poor	30 25	
8741	7	Swamp White Oak - Quereus bleolor	Poor Poor	10	
8742 8743	20,15	Cottonwood - Populus delinides Cottonwood - Populus delinides	Very Poor Fair	15 25	EX
8744 8745	15	Boxelder - Jeer negando Cottonwood - Populus deltoides	Very Poor Poor	20 15	EX
8746 8747	11,10	Cortorwood - Populus deltoides Boxelder - Acer negundo	Fair Poor	10 25	
8748 8749	9 7	Cortonwood - Papulan deltasdes Boxelder - door negundo	Fair Fair	15 20	
8750	7	Boxelder - Acer negundo Cottorwood - Populus deltoidos	Fair Poor	15	
8752 8753	10	Cottonwood - Populus skiltoides Cottonwood - Populus skiltoides	Fair Poor	15	
8754 8755	6 7	Boxelder - Jeer negando Cettorwood - Popolas deltoldes	Fair Poor	15	
8756	8	Boxelder - Acer negando	Poer	30	
8757	6	Cottonwood - Psyndus deltoides Boxelder - Acer negundo	Very Poor	10	EX
8758		American Elm - Ulmus americana	Poor	10	
8759 8760	7	Cottorwood - Popules deltoides	Poor		
8759	7	Cortarmood - Papulus deltoides Boxelder - Acer negundo Siberian Elm - Ulums punila	Poor Poor Very Poor	25 10	EX
8759 8760 8761	11	Cortormeed - Psymbes deltoides Boxelder - Acer negundo Siberian Elm - Ulums pumila Cortormeed - Psymba deltoides	Poor	25	EX
8759 8760 8761 8762 8763 8764 8765	11 7 15 10 9	Cottornocod - Papulus deltoides Brielder - Acer negondo Siberian Elm - Ulmas pamila Cottornocod - Papulus deltoides Boxelder - Acer negondo Boxelder - Acer negondo	Poor Very Poor Fait Poor Poor	25 10 15 20 20	EX
8759 8760 8761 8762 8763 8764 8765 8766 8767	11 7 15 10	Cotternocd - Psymbra deltolder Boxelder - deer negundo Siberian Elm - Ulmas pamila Cotternocd - Psymbra deltolder Boxelder - deer negundo Boxelder - deer negundo Boxelder - deer negundo Boxelder - deer negundo Cottorwood - Psymbra deltoldes	Poor Very Poor Fait Poor Poor Poor Very Poor	25 10 15 20 20 20 10	EX
8759 8760 8761 8762 8763 8764 8765 8766 8767 8768 8769	11 7 15 10 9 8 11 7	Cottorneced - Pagushra deltodales Bustleta - deer negarado Soberian Elm - Ulmas pamila Cottorneced - Pagushra deltodales Bustleta - Gere negarado Bustleta - deer negarado Bustleta - deer negarado Bustleta - deer negarado Bustleta - deer negarado Cottorneced - Pagushra deltodales	Poor Very Poor Fait Poor Poor Poor Very Poor Very Poor Very Poor Very Poor	25 10 15 20 20 20 10 10	EX EX EX
8759 8760 8761 8762 8763 8764 8765 8766 8766 8767 8768 8769 8770	11 7 15 10 9 8 11 7 7 9	Cottorwood - Papalan Acholder Brother - Gern regends Sherine Elm - Ulman Jamela Sherine Elm - Ulman Jamela Cottorwood - Papalan Acholder Brother - Sern regends Brother - Sern regends Brother - Sern regends Brother - Sern regends Cottorwood - Papalan Acholder	Poor Very Poor Fait Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Fait	25 10 15 20 20 20 10 10 10	EX EX
8759 8760 8761 8762 8763 8764 8764 8765 8766 8767 8768 8770 8770 8771 8772 8773	11 7 15 10 9 8 11 7 7 7 9 15 6	Cottoneced - Populos delivides Boxeldes - deer negomela Sherian Elm - Ulman panula Sherian Elm - Ulman panula Cottoneced - Populos a devinides Boxelder - deer negomela Boxelder - deer negomela Boxelder - deer negomela Boxelder - deer negomela Cottoneced - Populos delivides	Poor Very Poor Fait Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Fait Poor Poor Poor Poor Poor	25 10 15 20 20 20 10 10 10 10 10 10	EX EX EX
8759 8760 8761 8762 8763 8764 8765 8766 8766 8766 8768 8770 8771 8771 8772 8773	11 7 15 10 9 8 11 7 7 9	Cottonecod - Popular debiodale Brotidar - Coma ponetia Shettan Elm - Chma ponetia Cottonecod - Appolar debiodale Brotidar - Leva ponetia Cottonecod - Appolar debiodale Brotidar - Leva popular Cottonecod - Popular debiodale Brotidar - Leva responsib Cottonecod - Popular debiodale Brotidar - Leva responsib Cottonecod - Popular debiodale	Poor Very Poor Fair Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Very Poor Fair Poor Poor Poor Poor Poor	25 10 15 20 20 20 10 10 10 10	EX EX EX
8759 8760 8761 8762 8763 8764 8765 8765 8766 8767 8776 8770 8770 8771 8771 8777 8777	11 7 15 10 9 8 11 7 7 9 15 6	Contrasced - Popular debiodale Bardelar - Lowa promise Sarvina Elm - Chou promise Sorvina Elm - Chou promise Contrasced - Popular debiodale Bardelar - Low - Reposals Gentleman - Popular debiodale Contrasced - Popular debiodale Contrasced - Popular debiodale Contrasced - Popular debiodale Contrasced - Popular debiodale Bardelar - Low regonals Contrasced - Popular debiodale Bardelar - Low regonals Contrasced - Popular debiodale Bardelar - Low regonals Contrasced - Popular debiodale Contrasced - Popular debiodale Contrasced - Popular debiodale Contrasced - Popular debiodale	Poor Very Poor Fair Poor Poor Poor Very Poor Poor Poor Poor Very Poor	25 10 15 20 20 20 10 10 10 10 15 15	EX EX EX
8759 8760 8761 8762 8763 8764 8765 8766 8766 8767 8768 8776 8777 8771 8772 8773 8774 8775 8776	11 7 15 10 9 8 11 7 7 9 15 6 7 6	Coxtrasced - Popular debiada: Braddar - Core regarda Shein Dim - Chou panello Shein Dim - Chou panello Coxtrasced - Popular debiada Braddar - Lora panello Grateracca - La panello Grateracca -	Poor Very Poor Fair Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Very Poor Fair Poor Poor Poor Poor Poor	25 10 15 20 20 20 10 10 10 10 15 10 10 15 10	EX EX EX EX
8759 8760 8760 8761 8762 8763 8763 8765 8765 8765 8765 8769 8770 8771 8773 8773 8774 8777 8778 8779 8777 8778 8779	11 7 15 10 9 8 11 7 7 7 9 15 6 7 6 7 7 10 11 17 7 7 7 7 7 15 16 17 17 17 17 18 18 18 18 18 18 18 18 18 18	Contrassed - Popular debiodae Bradder - Conse promise Sperins Dan - Conse promise Sperins Dan - Conse promise Sperins Dan - Conse promise Bradder - New Popular debiodae Bradder - New Popular debiodae Bradder - New Popular debiodae Contrassed - Popular debiodae Contrassed - Popular debiodae Bradder - Leve regende Contrassed - Popular debiodae Dandder - Leve regende Contrassed - Popular debiodae	Poor Vary Poor Fair Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Fair Poor Poor Poor Poor Poor Poor Poor Po	25 10 15 20 20 20 10 10 10 10 10 15 15 10 15 15 10 15 15	EX EX EX EX
8759 8760 8761 8761 8762 8763 8764 8765 8765 8767 8768 8769 8770 8771 8771 8773 8774 8775 8776 8777 8777 8777 8777 8777 8777	11 7 15 10 9 8 11 7 7 7 7 9 15 6 10 7 7 10 7 7 11 12 7 7	Contrasseed - Popular debiodale Bradder - Conse promise Sperins Dan - Chous prosted Social Bradder - Chous prosted Social Bradder - Chous prosted Bradder - New Regular Bradder - New Regular Bradder - New Regular Bradder - Leve Regular Gentler - Popular debiodale Contrasseed - Popular debiodale	Poor Very Poor Fair Poor Poor Poor Very Poor Very Poor Very Poor Very Poor Poor Poor Poor Poor Poor Poor Poor	25 10 15 20 20 20 10 10 10 10 10 15 15 15 15 15 15 15 15	EX EX EX EX
8759 8760 8761 8761 8762 8764 8764 8765 8764 8766 8766 8769 8770 8771 8772 8773 8777 8777 8777 8777 8777 8777	11 7 15 10 9 8 11 7 7 7 9 15 6 7 16 17 17 12 19 11 11 12 19 11 11 12 11 11 12 11 11 11 11 11 11 11	Contrasced - Popular debiada: Bareldar - Core regarda Saveta Plan - Chou a possible Saveta Plan - Chou a possible Saveta Plan - Chou a possible Bareldar - Lev re regarda Gentrescond - Popular debiada Bareldar - Lev regarda Centrescond - Popular debiada Bareldar - Lev regarda Centrescond - Popular debiada Bareldar - Lev regarda Centrescond - Popular debiada Savetus Plan - Closes possible Savetus Plan - Closes possible Centrescond - Popular debiada	Foor Very Poor Fair Foor Foor Foor Foor Foor Foor Foor Very Poor Very Poor Fair Foor Foor Foor Foor Foor Foor Foor Very Poor Foor Foor Foor Foor Foor Foor Foor	25 10 15 20 20 10 10 10 10 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	EX EX EX EX
8759 8760 8761 8761 8762 8763 8764 8765 8764 8766 8776 8779 8770 8771 8771 8771 8771 8777 8777 8777	11 7 15 10 9 8 11 7 7 7 9 15 6 7 6 10 7 7 12 7 12 7 13 14 15 10 10 10 10 10 10 10 10 10 10 10 10 10	Contrasced - Popular debiada: Bandlar - Corn regarda Sacin Flan - Chwa pandid Bandlar - Leo regarda Bandlar - Leo regarda Bandlar - Leo regarda Bandlar - Leo regarda Contrasced - Popular debiada Contrasced - Popular debiada Contrasced - Popular debiada Gratina - Chwa pandid Contrasced - Popular debiada	Foot Very Poor Fait Foot Foot Foot Foot Foot Foot Foot Fo	25 10 15 20 20 10 10 10 10 10 15 15 15 15 15 15 15 15 15 15 15 15 15	EX EX EX EX
8759 8760 8761 8761 8762 8764 8765 8764 8765 8766 8767 8768 8776 8776 8777 8777	11 7 15 10 9 8 11 7 7 7 9 15 6 7 6 10 7 7 12 7 12 7 13 15 10 9 11 11 12 7 7 7 7 7 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	Contrasced - Popular debiodale Bandlar - Core regarda Shein Film - Chou panell Bandlar - Leo regarda Bandlar - Leo regarda Bandlar - Leo regarda Bandlar - Leo regarda Contrasced - Popular debiodale Bandlar - Leo regarda Contrasced - Popular debiodale	Foot Very Poor Fait Poor Foot Poor Foot Poor Poor Very Poor Very Poor Very Poor Very Poor Fait Foot Foot Foot Poor Foot Foot Poor Foot Foot Foot Foot Foot Foot Foot F	25 10 15 20 20 20 10 10 10 10 15 10 15 10 15 15 10 15 15 10 15 15 10 15 15 10 15 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	EX EX EX EX
8759 8760 8761 8761 8762 8763 8764 9765 8766 8767 8776 8776 8777 8777 8777 8	11 7 15 10 9 8 11 17 7 7 7 9 15 6 10 7 7 7 10 10 11 17 17 17 18 19 10 10 11 11 11 11 12 13 14 15 16 16 17 17 17 17 17 17 17 17 17 17	Contrasced - Popular debiodae Bradder - Core regarda Shein Dim - Chou passible Contrasced - Popular debiodae Bradder - Chou passible Contrasced - Popular debiodae Bradder - Core regarda Bradder - Core regarda Bradder - Core regarda Contrasced - Popular debiodae Contrasced - Popular debiodae Contrasced - Popular debiodae Bradder - Core regarda Contrasced - Popular debiodae Soberia Bra - Clima passida Contrasced - Popular debiodae Soberia Bra - Clima passida Contrasced - Popular debiodae Soberia Bra - Clima passida	Foot Very Poor Fait Poor Foot Poor Poor Poor Poor Very Poor Very Poor Very Poor Foot Foot Foot Foot Foot Foot Foot F	25 10 15 20 20 10 10 10 10 10 115 10 115 15 15 15 15 15 15 15 15 15 15 15 15	EX EX EX EX
8759 8760 8761 8761 8761 8762 8761 8763 8764 8765 8765 8766 8766 8776 8777 8777 8777	11 7 15 10 9 8 11 17 7 7 7 9 13 6 6 10 10 12 7 7 7 7 13 15 16 10 10 10 10 10 10 10 10 10 10 10 10 10	Contrasced - Popular debiodae Bradder - Gene regarda Sheinin Dim - Chous possible Contrasced - Popular debiodae Bradder - Lyna possible Gradder - Lyna possible Bradder - Lyna possible Gradder - Lyna possible Bradder - Lyna possible Gradder - Lyna possible Sheva Bra - Chosa possible Bradder - Lyna possible Sheva Bra - Chosa possible Bradder - Lyna possible	Foot Vary Poor Falt Poor Falt Poor Foot Poor Foot Poor Foot Von Poor Von Poor Von Poor Von Poor Von Poor Von Poor Foot Foot Foot Foot Foot Foot Foot F	25 10 15 20 20 20 10 10 10 10 10 10 10 10 15 10 10 15 15 16 17 18 19 10 10 10 10 10 10 10 10 10 10	EX EX EX EX
8759 8760 8761 8762 8761 8762 8764 8765 8765 8766 8767 8768 8776 8777 8777	11 7 15 10 9 8 11 7 7 9 15 6 10 7 7 15 6 10 7 7 15 17 7 7 18 19 10 11 17 17 17 17 18 19 10 10 11 11 11 11 11 11 11 11	Contrasced - Popular debiodae Bradder - Core regarda Shein Dim - Chou passible Contrasced - Popular debiodae Bradder - Chou passible Contrasced - Popular debiodae Bradder - Core regarda Bradder - Core regarda Bradder - Core regarda Contrasced - Popular debiodae Contrasced - Popular debiodae Contrasced - Popular debiodae Bradder - Core regarda Contrasced - Popular debiodae Soberia Bra - Clima passida Contrasced - Popular debiodae Soberia Bra - Clima passida Contrasced - Popular debiodae Soberia Bra - Clima passida	Foot Very Poot Fait Poot Fait Poot Poot Poot Poot Poot Very Poot Very Poot Very Poot Very Poot Foot Foot Foot Poot Poot Foot Poot Foot F	25 10 15 20 20 20 10 10 10 10 15 10 15 10 15 10 15 15 10 15 15 10 15 15 10 15 10 15 10 10 15 10 10 10 10 10 10 10 10 10 10	EX EX EX

8802 8803	16.14.14	Siberian Elen - Ulmes pumula Black Walnut - Juniora ninna	Good Very Poor	35	EX
8804	6	Black Walaut - Juglams nègra Siberian Elm - Ulmas pumila	Very Poor	10	EX
8806 8807	12	Block Walnut - Jugdom nigra Block Walnut - Jugdom nigra	Good Poor	20 15	
8088 8809	28		Good	40	
8810	12	White Mulberry - Moras after Siberian Elm - Ulmas purella	Good	15	
8811 8812	7	Siberian Elm - Ulmus pumila Siberian Elm - Ulmus pumila	Good Fair	15	
8813 8814	7	Siberian Elm - Ulmus pumila	Poor Fair	10	
8815	8	Siberian Elm - Ulmus pumila Siberian Elm - Ulmus pumila	Fair	15	
8816 8817	7	Siberian Elm - Ulmus pumilu Siberian Elm - Ulmus pumilu	Poor	10	
8818 8819	10	Siberian Elm - Ulmus puntilu	Fair	15	
8820	13	Cottomwood - Pomelos deltridos	Fair	15	
8821 8822	9	Siberian Elm - Ulmis pumilu Boxelder - Aver negundo	Fair Poor	10	
8823	17,7	Cottonwood - Populas chitairks	Good	25 15	
8824 8825	11	Contouwood - Populus chilwinks Siberiun Elm - Ulmus pumila Contouwood - Populus chilwicks	Poor Very Poor	10	EX
8826 8827	10.9	Boxelder - Acer negundu Siberian Elm - Ulmus pumila	Fair Fair	20 15	
8828	9	Boxelder - Acur requirels Boxelder - Acur requirels	Poor	20	
8829 8830	9	Boxelder - Acer negundo Siberian Elm - Ubmo pomba	Poor Poor	15	
8831 8832	9	Boxelder - Acer negundo	Fair	15	
8833	9	Boxekler - Aver negundo Siberian Elm - Ulmus pumila	Poor Fair	15	
8834 8835	6	Silverian Elm - Ulmov rumifa	Fair Poor	10	
8836	21	Cottonwood - Populus oktroides Cottonwood - Populus oktroides Siberius Elm - Utnos puntla	Good	25	
8837 8838	11	Siberian Elm - Cleurs punida	Pror	15	
8839 8840	7	Siberian Elm - Cleus purolla Siberian Elm - Ulmos monila	Poor	15	
8841	7	Siberian Elex - Chrus puntila White Spruce - Pices whics White Spruce - Pices whics	Post	10	
8842 8843	6	White Spruce - Piccu abies	Fair Poor	10	
8844 8845	11.11	Siberian Elm - Ulmus pumilia Cottomwood - Aspailas deltoides	Good	20	
8846	15	Cottomwood - Formulas eleftoides	Fair	15	
8847 8848	7	Bluck Walnut - Juglous nigra Siberian Elm - Ulmas purnita	Fair Very Poor	20 10	EX
8849 8850	9	Cottonwood - Propulse shiftesides	Very roor	10	EX
8851	7	Siberian Elos - Ulmos puntila Cottonwood - Populas delivides	Poor Very Poor	15	EX
8852 8853	9	Boxelder - Acer negando Boxelder - Acer negando	Poor	20 15	
8854 8855	10	Boxelder - Acer negundo	Poor	30	
8855	9	Boselder - Aver negundo Boselder - Aver negundo	Fair Fair	15 15	
8857 8858	13	Boxelder - Aver negundo Boxelder - Aver negundo	Poor Very Poor	40 15	EX
8859 8860	8	White Mulberry - Alorses alba	Poor	10	
8861	16	Cottonwood - Popular delivides Cottonwood - Popular delivides	Very Poor Very Poor	25 15	EX EX
8862 8863	7	White Moherry - Moras allia Boxelder - Acer negando	Poor Poor	15.	
8864	9	Boxelder - Acer negatida	Poor	20	
8865 8866	13	Boxelder - Acer negundo Siberian Elra - Ulmo pumila	Fair Poor	20 15	
8867 8868		Boxelder - Aver regunds Siberisa Elm - Ulraer ponda	Very Poor Poor	20 10	EX
8869	10	Cottonwood - Populus deltoides	Very Poor	10	EX
8870 8871	11	Boxelder - Aver negando Siberian Elm - Ulmus pumilo Siberian Elm - Ulmus pumilo	Good	15	
8872 8873	13	Siberian Elm - Ulmus punila Boxelder - Acer negunda	Fair Very Poor	15 20	EX
8874	7	Siberian Elen - Ulmos punida	Fair	10	EX
8875 8876	9	Siberian Elin - Ulmos puntla Siberian Elin - Ulmos puntla	Poor Fair	10	
8877 8878	10	Siberian Elm - Ulmes punda Boxeldet - Acer negunda	Fair	20	
8879	7	Cottonwood - Populus deltrides Cottonwood - Populus deltrides	Very Poor	10	EX
8880 8881	10	Boxelder - Aver negendo Siberian Elm - Ulrus punida	Poor Fair	20 15	
8882 8883	8	Boxelder - dver normdo	Poor Fair	20	
8884	7	Siberian Elm - Ulmis pumila Black Walnut - Juglans nigra	Poor	15	
8885 8886	9	Buxelder - Acer negundo Siberian Elon - Ulmus pumila	Poor Fair	15	
8887 8888	11	Siberian Elon - Ulmos puntila	Good	20	
8889	10	Boxelder - Acer regumbs Siberian Elin - Ulmus puosila	Poor Fair	15	
8890 8891	11 10,10	Siberian Elen - Ulmes punella Boxeldet - Accr negundo	Fair Very Poor	20 25	EX
8692	11	Siberian Elen - Ulmus pomidu	Fair	15	
8893 8894	9	Siberian Llen - Ulmes pomila Boxeldet - Aver negundo	Good Poor	20 25	
8895 8896	7	Siberian Elm - Ulmus pumila Boxeldet - Aver negundo	Fair Poor	20	
8897 8898	8	Boxelder - Acer negundo	Very Poor	10	EX
8899	10	Boxelder - Acer negando Siberian Elm - Ulmus pumila	Fair Fair	15	
8900 8901	15	Siberian Elea - Ulmus puenila Siberian Elea - Ulmus puenila	Very Poor Good	10	EX
8902 8903	8 10	Boxelder - Acer negundo Siberian Elea - Ulmer pomila	Poor Fair	20	
8904	10	Siberian Elea - Ulmus pumilu	Poor	15	
8905 8906	10,7	Baselder - Aver negundo Baselder - Aver negundo	Poor Very Poor	20 10	EX
8907	8	Siberian Elm - Ulmus pumila Boxelder - Acer negundo	Poor	15	
8908	6	Boxelder - Acer negamão	Poor	15	
8910 8911	9	Siberian Elm - Ulmes punila Boxelder - Acer megunda	Very Poor Very Poor	10 35	EX Ex
8912 8913	10,7	Boxelder - Acer meganda Boxelder - Acer meganda	Very Poor Poor	20	EX
8914	9	Boxelder - Acer negonia Siberian Llea - Ulmas puroda	Poor	20	
8915 8916	6	Siberian Elea - Ulamo previda	Good Very Poor	20 10	EX
8917 8918	7	Siberian Elm - Učmus pomilu	Very Poor	10	EX
8919	6	Siberian Elm - Ulmar pumda Boxelder - Aver negando	Vary Poor	15	EX
8920 8921	10	Boxelder - Acer negando Siberian Elm - Ulmus pumila	Poor	20 15	
8922 8923	13	Siberian Elm - Ulmus pumila	Fair	25	
8924	10	Norway Maple - Acer platanoides Norway Maple - Acer platanoides	Good	15 20 15	
8925 8926	7	Siberian Elen - Ulmus puseila Siberian Elen - Ulmus pusula	Fair Poor	15	
8927	9	Siberian Elen - Ulmus pumila	Good	15	
8928 8929	7	Siberian Elen - Ulmas pomila Siberian Elen - Ulmas pomila	Poor Fair	10	
8930 8931	10	Siberian Elm - Ulmus pumila Siberian Elm - Ulmus pumila	Fair Fair	15	
8932 8933	×	Siberian Elm - Ulmus pumila	Fair	10	
8934	24 6	Cottonwood - Populus deltoides Norway Maple - Acer plataneides Boxeldet - Acer negundo	Good	10	
8935 8936	10,X 10	Boxelder - Acer negundo Boxelder - Acer negundo	Poor Fair	25 15	



	S	off Helmi City of Roc	at River	s Edge Site . of Peach S lls, Michigan 6, 2014	St	1	
Species	Good	Fair	Poor	Very Poor	Dead	Totals	%
American Elm	16	24	18	1 5	9	72	12.6%
Apple	0	1	1	. 0	0	2	0.3%
Aspen	8	16	10	9	0	43	7.5%
Black Cherry	14	18	8	7	1	48	8.4%
Black Walnut	7	4	2	1 1	0	14	24%
Black Willow	0	0	1	. 0	0	1	0.2%
Boxelder	2	21	54	18	3	98	17.1%
Buckthorn	0	0	1	0	0	1	0.2%
Bur Oak	1	0	0	1 0	0	1	0.2%
Cottonwood	34	52	39	29	0	154	26.9%
Norway Maple	3	0	0	0	0	3	0.5%
Red Maple	3	7	1	0	0	11	1.9%
Red Oak	2	2	0	1 0	0	4	0.7%
Scotch Pine	0	4	0	1 1	0	5	0.9%
Shagbark Hickory	0	1	0	0	0	1	0.2%
Siberian Elm	19	41	30	11	0	101	17.6%
Swamp White Oak	0	0	1	0	0	1	0.2%
Weeping Willow	1	0	0	0	0	1	0.2%
White Ash	0	0	2	0	0	2	0.3%
White Mulberry	0	1	4	1	0	6	1.0%
White Oak	1	0	0	0	0	1	0.2%
White Spruce	0	1	2	0	0	3	0.5%
Totals	111	193	174	82	13	573	
%	19.4%	33.7%	30.4%	14.3%	2.3%		100.0%

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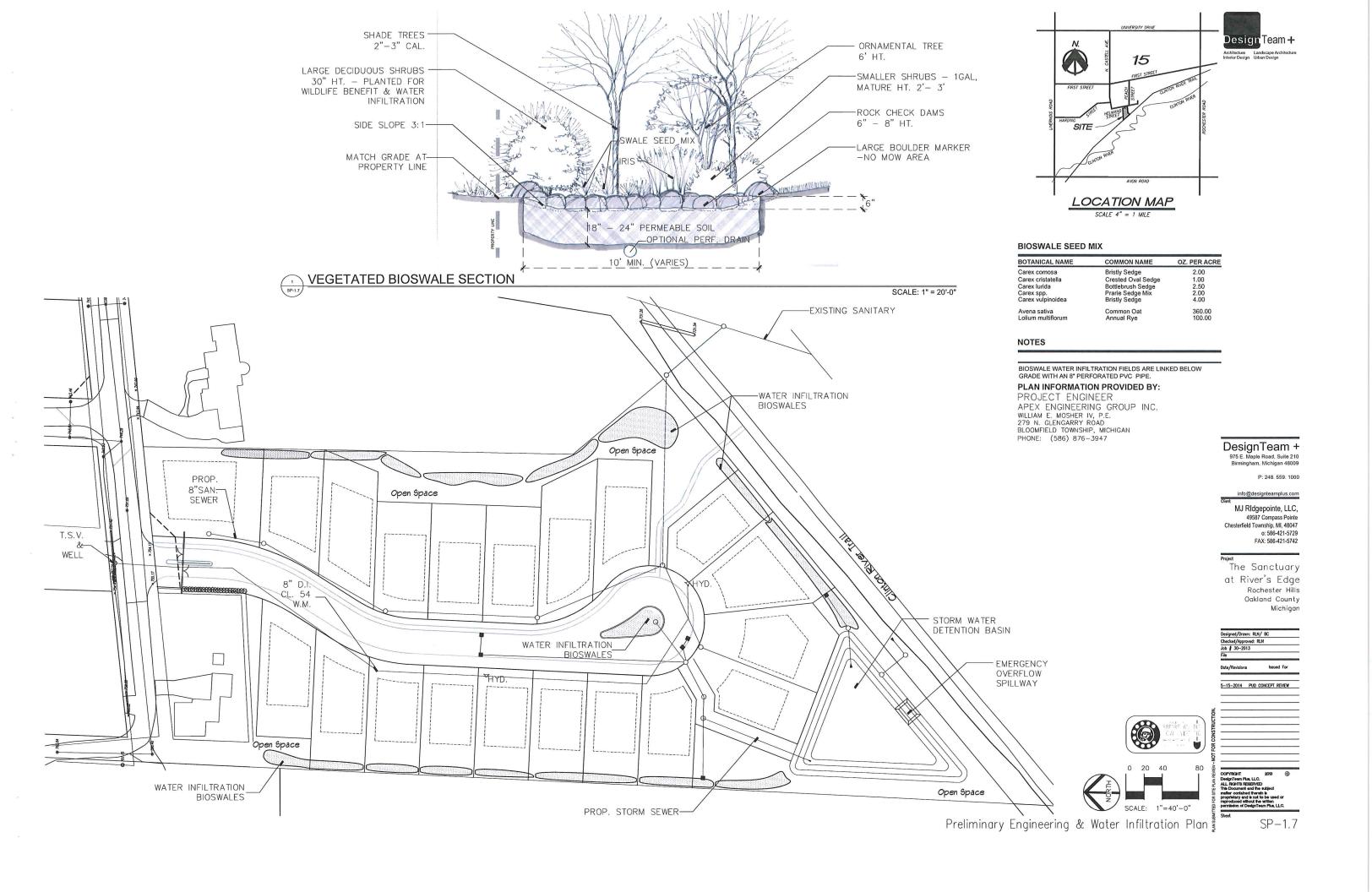
Project

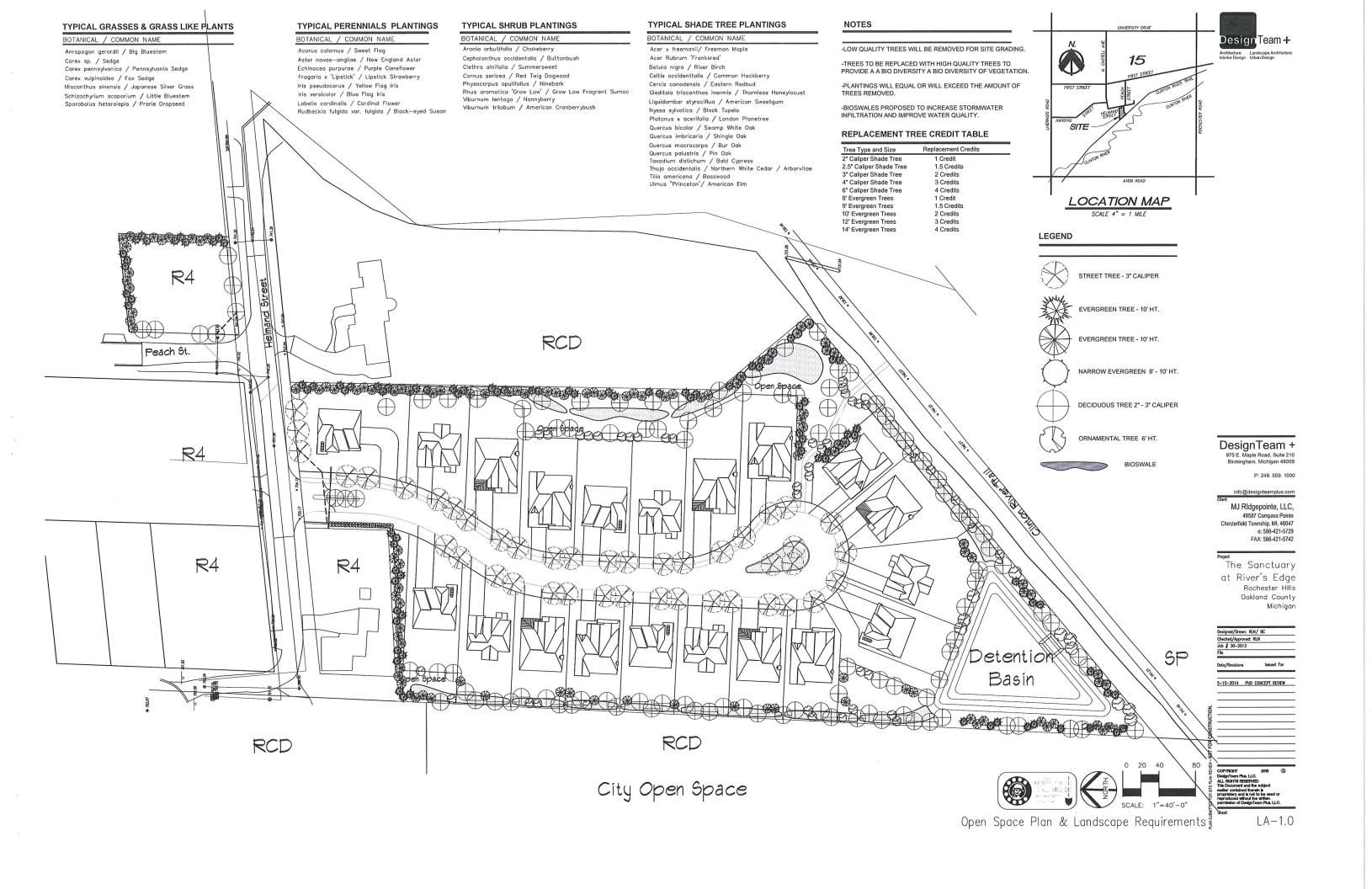
The Sanctuary at River's Edge Rochester Hills Oakland County Michigan

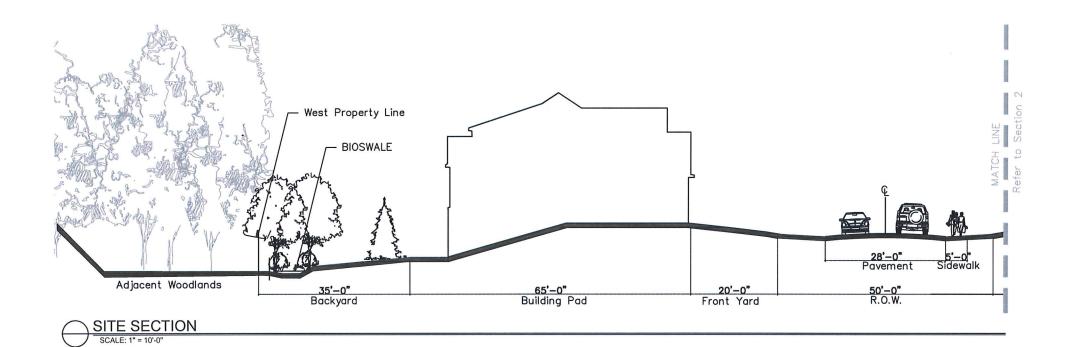
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Job # 30-2013	
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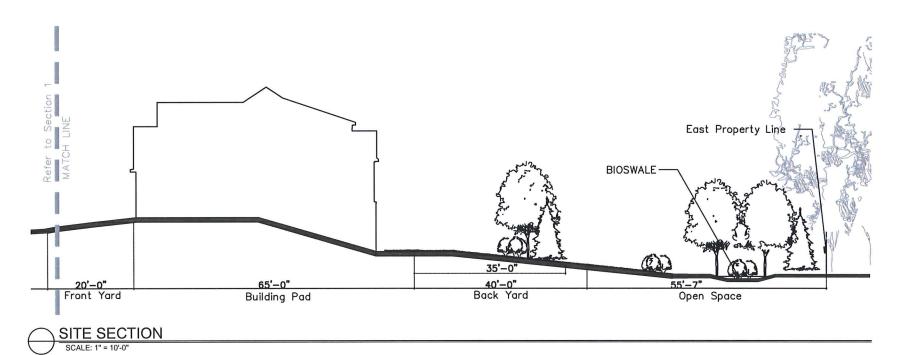
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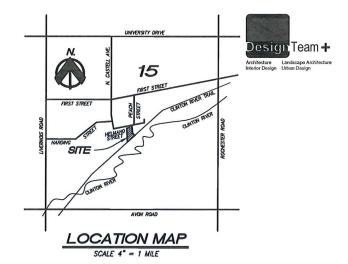
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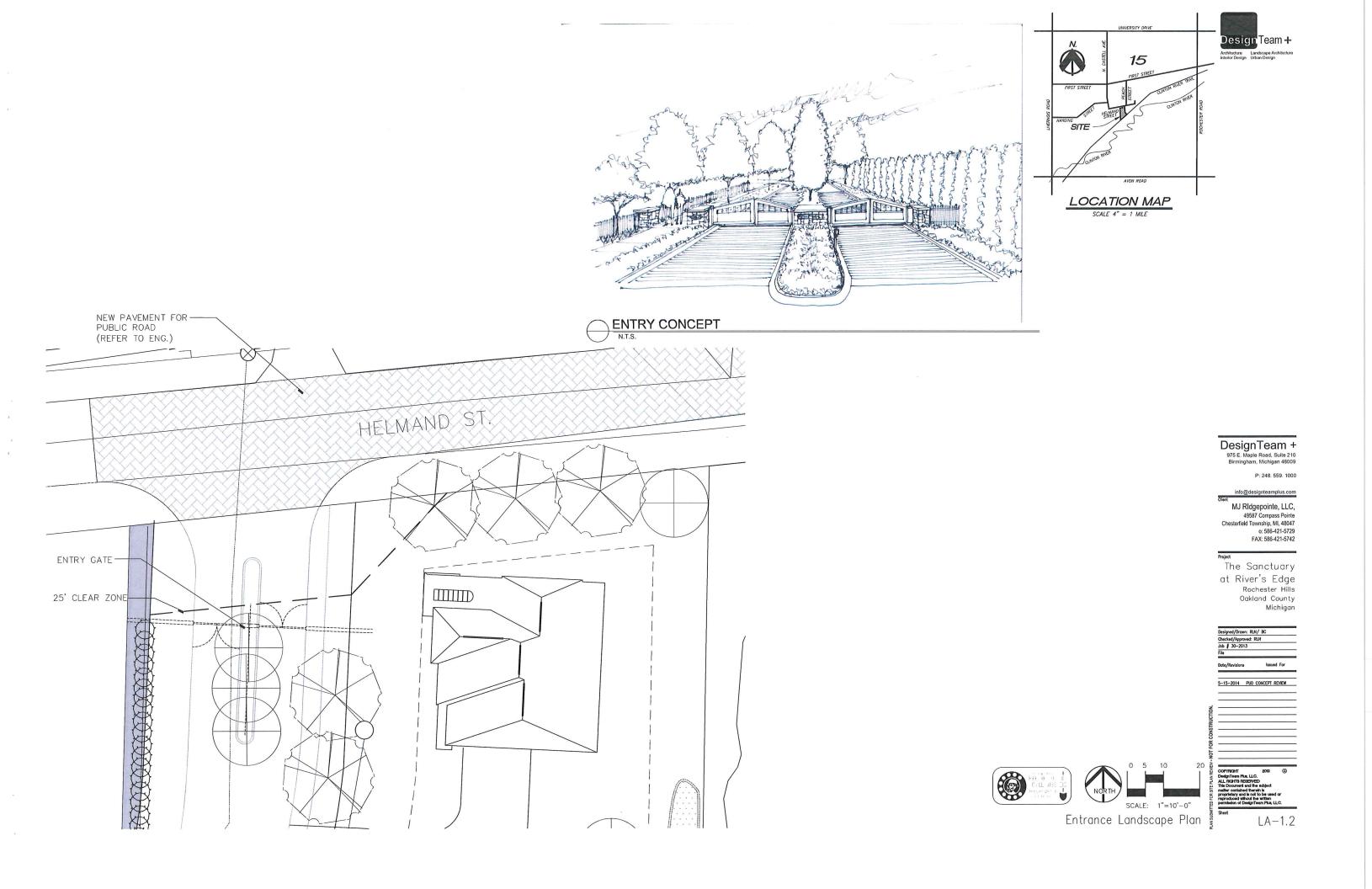
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The Sanctuary at River's Edge
Rochester Hills
Oakland County
Michigan

Designed/Drown: RL Checked/Approved: Job ₫ 30-2013 File	RLH
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Site Section



CITY GENERAL NOTES

1. ALL PLANT MATERIAL SHALL MEET CURRENT STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN AND APPROVED BY THE AMERICAN NATIONAL STANDARDS

INSTITUTE, INC.

2. ALL PLANT MATERIAL SHALL BE TRUE TO NAME IN CONFORMANCE TO THE CURRENT EDITION OF STANDARDIZED PLANT NAMES ESTABLISHED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE, OR OTHER SOURCE ACCEPTED BY THE

CITY.

3. ALL PLANT MATERIAL SHALL B E NURSERY GROWN IN A NORTHERN CLIMATE; HARDY TO THE CLIMATE OF MICHIGAN; APPROPRIATE FOR THE SOIL; CLIMATIC AND ENVIRONMENTAL CONDITIONS; AND RESISTANT TO DISEASE AND INSECT ATTACK.

ENVIRONMENTAL CONDITIONS; AND RESISTANT TO DISEASE AND INSECT ATTACK.

4. A MINIMUM FOUR (4) INCHES OF TOPSOIL SHALL BE PROVIDED FOR ALL LAWN AREAS, GROUND COVERS, AND PLANTING BEDS.

5. ARTIFICIAL PLANT MATERIAL IS PROHIBITED AND SHALL NOT BE USED TO MEET THE REQUIREMENTS OF THIS ARTICLE.

6. LAWN AREAS SHALL BE PLANTED IN SPECIES OF GRASS NORMALLY GROWN IN MICHIGAN. GRASS MAY BE SODDED OR HYDRO—SEEDED, PROVIDED THAT ADEQUATE MEASURES ARE TAKEN TO MINIMIZE SOIL EROSION. SOD OR SEED SHALL BE CLEAN AND FREE OF WEEDS AND NOXIOUS PESTS OR DISEASE.

7. A MINIMUM 4—INCH LAYER OF SHREDDED HARDWOOD BARK SHALL BE PLACED IN ALL PLANTER BEDS CONTAINING TREES OR SHRUBS AND AROUND THE BASE OF ALL TREES PLANTED WITHIN LAWN AREAS. ALL SHRUBS PLANTED WITHIN LAWN AREAS ARE TO BE MULCHED AS ONE CONTINUOUS STRIP.

8. LIVE GROUNDCOVERS SUCH AS MYRTLE. BLUE RUG JUNIPERS, BALTIC IVY AND OTHER

B. LIVE GROUNDCOVERS SUCH AS MYRTLE, BLUE RUG JUNIPERS, BALTIC IVY AND OTHER SIMILAR VINES AND PLANT MATERIAL SHALL BE MULCHED WITH A 2-INCH LAYER OF SIMILAR VINES AND PLANT MATERIAL SHALL BE MULCHED WITH A 2—INCH LAYER OF SHREDDED HARDWOOD BARK. ANY DEVIATIONS MUST BE APPROVED BY THE CITY'S LANDSCAPE ARCHITECT.

9.PLANT MATERIALS SHALL NOT BE PLACED CLOSER THAN FOUR FEET FROM THE FENCE LINE OR PROPERTY LINE.

10. DECIDUOUS AND ALL SHRUBS MAY NOT BE PLANTED WITHIN 5 FEET, AND EVERGREEN

TREES MAY NOT BE PLANTED WITHIN TEN (10) FEET OF ANY CURB OR PUBLIC WALKWAY.

11. TREES AND SHRUBS MAY NOT BE PLANTED WITHIN 10 FEET OF A FIRE HYDRANT.

12. WHERE PLANT MATERIALS ARE PLANTED IN TWO OR MORE ROWS, PLANTING SHALL

12. WHERE PLANT MATERIALS ARE PLANTED IN TWO OR MORE ROWS, PLANTING SHALL BE STAGGERED IN ROWS.

13. WHERE SHRUB PLANTINGS ARE REQUIRED TO FORM A CONTINUOUS HEDGE, THE PLANTS SHALL NOT BE SPACED OUT MORE THAN 36 INCHES ON CENTER AT PLANTING AND SHALL HAVE A MINIMUM HEIGHT AND SPREAD OF 30 INCHES AT PLANTING. SHRUBS THAT MILL NOT ATTAIN SUFFICIENT WIDTH TO FORM A COMPLETE HEDGE SPACED 36 INCHES ON CENTER SHALL BE PLANTED AT A SPACING THAT MILL ALLOW THEM TO FORM A COMPLETE HEDGE WITHIN TWO YEARS OF PLANTING.

RESPONSIBILITY NOTES

1. LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, THE PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS

ARCHITECT WITH ANY CONCERNS
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON-SITE UTILITIES PRIOR TO
BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE,
CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY
DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S

JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNERS REPRESENTATIVE PRIOR TO COMMENCING.

3. CONTRACTOR WILL SUPPLY FINISHED GRADE AND EXCAVATE AS NECESSARY TO SUPPLY 4" TOPSOIL DEPTH IN ALL PLANTING BEDS AND 4" TOPSOIL DEPTH IN ALL LAWN AREAS USING MATERIAL FROM SPOIL PILE.

4. ACCEPTANCE OF GRADING AND SOD SHALL BE BY THE LANDSCAPE ARCHITECT

4. ACCEPTANCE OF GRADING AND SUD STALL BE BY THE LANDSCAPE ARCHITECT AND/OR PROJECT REPRESENTATIVE AND AS DETERMINED BY THE CITY. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITY FOR A MINIMUM OF TWO (2) YEARS. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, REPLACEMENTS OF WASHOUTS AND OTHER OPERATIONS NECESSARY TO KEEP SOD IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT AND/OR PROJECT REPRESENTATIVE AND AS DETERMINED BY THE CITY. THE OWNER SHALL ASSUME ALL MAINTENANCE PRESENTATIVE AND PRESENTATION OF THE OWNER SHALL ASSUME ALL MAINTENANCE. RESPONSIBILITIES.

5. THE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPING FOR A PERIOD OF TWO (2) YEARS BEGINNING AFTER APPROVAL BY THE CITY OF ROCHESTER HILL'S LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE DURING AND AT THE END OF THE GUARANTEE PERIOD, ANY DEAD OR UNACCEPTABLE PLANTS, AS DETERMINED BY THE CITY OF ROCHESTER HILL'S LANDSCAPE ARCHITECT, WITHOUT COST TO THE OWNER. 6. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.

MAINTENANCE NOTES

1. THE CLEAR ZONE SHALL BE MAINTAINED AT ALL INTERSECTIONS THAT INGRESS AND EGRESS TO THE SITE. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN THE PLANT MATERIAL AT A HEIGHT OF NOT OVER THIRTY (30) INCHES ABOVE PAVEMENT AND PROVIDE UNDBSTRUCTED SIGHT DISTANCE FOR DRIVERS IN VEHICLES APPROACHING THE

NATIONAL CLEARANCE OF AT LEAST EIGHTY (80) INCHES MUST BE PROVIDED ABOVE WALKS AT ALL TIMES. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN TREES AND OTHER OVERHANGING OBJECTS TO PROVIDE ADEQUATE HEADROOM TO COMPLY WITH ADA

LANDSCAPING NOTES

1. PRIOR TO THE RELEASE OF THE PERFORMANCE BOND, THE CITY OF ROCHESTER HILLS MUST INSPECT ALL LANDSCAPE PLANTING INCLUDING BUT NOT LIMITED TO EXISTING TREES, REPLACEMENT TREES, BUFFER PLANTINGS, AND PARKING LOT ISLANDS. THE RIGHT-OF-WAY MILL BE INSPECTED BY THE FORESTRY DIVISION TO IDENTIFY ANY PLANTINGS NEW OR EXISTING THAT POSE A HAZARD TO THE SAFE USE OF THE RIGHT-OF-WAY. FORESTRY MAY REQUIRE THE DEVELOPER TO REMOVE AND POSSIBLY REPLACE ANY SUCH TREES.

2. ALL TREES AND SHRUBS MUST BE PLANTED AT LEAST 10' FROM THE EDGE OF THE PUBLIC R.O.W.. 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 FDGE OF THE 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

EVERTREEN INCES MUST BE PLANTED AT LEAST 15 TROWN THE NEARREST OVERHEAD WHITE AND AT LEAST 10' FROM THE NEAREST UNDERGROUND UTILITY.

3. NO TREES OR SHRUBS 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 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.

4. PRIOR APPROVAL IS REQUIRED TO PLANT ANY TREE OR SHRUB IN THE PUBLIC PUBL

4. PRIOR APPROVAL IS REQUIRED TO FLART ANT TREE OF SHIDE WITH THE PRIOR SHIP SHALL BE MADE WITHOUT THE APPROVAL OF THE DEVELOPER AND THE CITY OF ROCHESTER HILLS.

6. THE DEVELOPER AND/OR THE CITY OF ROCHESTER HILL 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 TREFS.

TREES.

8. NO SUBSTITUTIONS OR CHANGES OF LOCATION OR PLANT TYPE SHALL BE MADE WITHOUT THE APPROVAL OF THE DEVELOPER AND THE CITY ROCHESTER HILLS.

9. TREES MUST BE AT LEAST 10' FROM UNDERGROUND UTILITIES AND 15' FROM OVERHEAD UTILITIES.

TREE PROTECTION NOTES

1. THE TREE PROTECTION FENCING (TPF) SHALL BE ERECTED PER THE PLANS APPROVED BY THE CITY OF ROCHESTER HILLS PLANING DEPARTMENT. THE TPF MUST BE IN PLACE AND BE INSPECTED BY THE CITY OF ROCHESTER HILLS PRIOR TO THE BE IN PLACE AND BE INSPECTED BY THE CITY OF ROCHESTER HILLS PRIOR TO HE START OF ANY EARTHWORK OR CONSTRUCTION OPERATIONS. IT IS THE DEVELOPER'S RESPONSIBILITY TO CONTACT THE CITY PLANNING DEPARTMENT AT 1–248–656–4660 TO SCHEDULE A TPF INSPECTION. THE TPF SHALL REMAIN IN PLACE THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS OR UNTIL THE CITY AUTHORIZES THE REMOVAL OR ISSUES A FINAL CERTIFICATE OF OCCUPANCY, WHICHEVER OCCURS FIRST.

2. UPON COMPLETION OF GRADING AND THE INSTALLATION OF THE INFRASTRUCTURE A SECOND INSPECTION OF THE TPF AND THE TREES DESIGNATED FOR PRESERVATION IS REQUIRED BY THE CITY OF ROCHESTER HILLS PRIOR TO THE START OF ANY ADDITIONAL CONSTRUCTION. IT IS THE DEVELOPER'S RESPONSIBILITY TO CONTACT THE CITY PLANNING DEPARTMENT AT 1-248-656-4660 TO SCHEDULE THIS TPF

3. UPON COMPLETION OF ALL CONSTRUCTION AND PRIOR TO THE REMOVAL OF THE CITY OF ROCHESTER HILLS MUST INSPECT ALL TREES DESIGNATED TO BE PRESERVED. THE LANDSCAPE PERFORMANCE BOND WILL NOT BE RELEASED UNTIL THIS INSPECTION IS COMPLETE AND ALL RELATED ISSUES ARE RESOLVED. IT IS THE DEVELOPER'S RESPONSIBILITY TO CONTACT THE CITY PLANNING DEPARTMENT AT 1-248-656-4660 TO SCHEDULE THIS INSPECTION.

4. A FINAL INSPECTION BY THE CITY OF ROCHESTER HILLS IS REQUIRED AT THE END OF THE WARRANTY AND MAINTENANCE PERIOD. THE LANDSCAPE MAINTENANCE BOND WILL NOT BE RELEASED UNTIL THIS INSPECTION IS COMPLETE AND ALL RELATED ISSUES ARE RESOLVED. IT IS THE DEVELOPER'S RESPONSIBILITY TO CONTACT THE CITY PLANNING DEPARTMENT AT 1-248-656-4660 TO SCHEDULE THIS INSPECTION.

5. THE TREE CONSERVATION ORDINANCE PROHIBITS ANY CONSTRUCTION OR DEVELOPMENT ACTIVITIES WITHIN THE DRIP LINE OF AND REGULATED TREES NOT APPROVED FOR REMOVAL, INCLUDING BUT NOT LIMITED TO LAND CLEARING, GRUBBING, TRENCHING, GRADING OR FILLING, NO PERSON SHALL PLACE ANY SOLVENTS, BUILDING MATERIALS, CONSTRUCTION EQUIPMENT, SOIL DEPOSITS, OR HARMFUL MATERIALS WITHIN THE DRIP LINE LIMIT OF TREES DESIGNATED FOR PRESERVATION.

6. PROPOSED GRADES ARE TO MATCH THE EXISTING ELEVATIONS OUTSIDE THE LIMITS OF THE TPF. NO GRADING EITHER CUT OR FILL IS PERMITTED WITHIN THE DRIP LINE OF ANY TREE DESIGNATED FOR PRESERVATION.

7. DURING THE CONSTRUCTION PROCESS NO PERSON SHALL ATTACH ANY DEVICE OR WRE/CABLE/CORD/ROPE TO AN EXISTING TREE DESIGNATED TO BE PRESERVED.

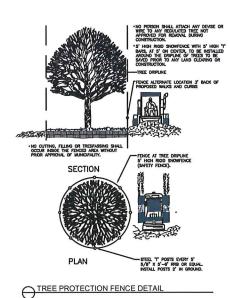
8, ALL UTILITY SERVICE REQUEST MUST INCLUDED NOTIFICATION TO THE INSTALLER THAT PROTECTED TREES MUST BE AVOIDED. ALL TRENCHING SHALL OCCUR OUTSIDE

9. SWALES SHALL BE ROUTED TO AVOID THE AREA WITHIN THE DRIP LINE OF THE ANY TREE DESIGNATED FOR PRESERVATION. SWALES SHALL BE CONSTRUCTED SO AS NOT TO DIRECT ANY ADDITIONAL FLOW INTO THE DRIP LINE A TREE DESIGNATED FOR PRESERVATION.

10. IF TREE PROTECTION CANNOT BE MAINTAINED FOR A TREE THROUGHOUT ENTIRE PERIOD REQUIRED. THE REPLACEMENT OF THAT TREE WILL BE REQUIRED ON AND INCH FOR INCH BASIS PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

11. REGULATED TREES LOCATED OFF-SITE ON ADJACENT PROPERTIES THAT MAY BE AFFECTED BY CONSTRUCTION OPERATIONS MUST BE PROTECTED AS DEFINED HERE IN.

12. THE TPF SHALL CONSIST OF 4 FOOT HIGH ORANGE SNOW FENCING TO BE INSTALLED AROUND THE DRIP LINE OF ALL TREE DESIGNATED TO BE SAVED. THIS FENCING SHALL BE SUPPORTED BY 6 FOOT METAL T-BAR POSTS 5 FEET ON CENTER AND DRIVEN A MINIMUM OF 24" INTO GROUND. THE TPF FENCING SHALL REMAIN UPRIGHT AND SECURELY IN PLACE FOR THE REQUIRED TIME AS SPECIFIED ABOVE.



IMPORTANT:

ALL TREES ON ADJACENT PROPERTIES MUST BE PROTECTED. THE TREE PROTECTIVE FENCING MAY BE PLACED ALONG THE ACTUAL PROPERTY LINE IF THE BRANCHES OF THE TREES ON THE ADJACENT PROPERTIES DO NOT OVERHANG ONTO THE SITE BEING DEVELOPED. IF THE BRANCHES OVERHANG ONTO THE AREA OF THE SITE BEING DEVELOPED THE TREE PROTECTIVE FENCING MUST BE PLACED AT THE ACTUAL DRIP LINE OF THESE TREES. IT SHOULD ALSO BE NOTED THAT THE SILT FENCING MUST BE PLACED ON THE DEVELOPMENT SIDE OF THE TREE PROTECTIVE FENCING. THE SILT FENCING MAY NOT BE PLACED BETWEEN THE TREE BEING PRESERVED AND THE TREE PROTECTIVE FENCING. IF ANY REGULATED TREES ARE DAMAGED ON THE ADJACENT PROPERTIES THE DAMAGED TREES WILL BE EITHER REPLACED ON THE OWNERS PROPERTY ON AN INCH FOR INCH BASIS OR A FINE IN THE SUM \$22.00 PER CALIPER PROPERTY ON AN INCH FOR INCH BASIS OR A FINE IN THE SUM \$122.00 PER CALIPER INCH WILL BE ISSUED AGAINST THE DEVELOPMENT. THIS FINE WILL BE DUE PRIOR THE BUILDING PERMITS BEING ISSUED. IF YOU HAVE ANY QUESTIONS OR NEED ADDITIONAL INFORMATION CALL THE CITY'S PLANNING DEPARTMENT

PLANTING NOTES:

1. INSTALL AND MAINTAIN ALL LANDSCAPING ACCORDING TO ROCHESTER HILLS STANDARDS. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, THE PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS. 2. ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK. PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED IN THE MOST RECENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK. CONTRACTOR TO SUPPLY NURSERY SOURCES FOR ALL PURCHASED MATERIAL. NO BARE ROOT OR PARK GRADE MATERIAL WILL BE ACCEPTED

3. SOD: IF OWNER SELECTS THIS OPTION, CONTRACTOR WILL INSTALL SOD IN ALL AREAS INDICATED AS LAWN ON PLAN. SOD TO BE WELL ESTABLISHED, MINERAL GROWTH. SOD BLEND SHALL CONSIST OF A MINIMUM OF THREE (3) IMPROVED VARIETIES OF BLUEGRASS, ACCEPTANCE AND GUARANTEE NOTES SHALL APPLY TO ALL SOD.
4. EDGING SHALL BE A SHOVEL EDGE.

5. ALL TREE PITS MUST BE TESTED FOR PROPER DRAINAGE PRIOR TO PLANTING TREES. A DRAINAGE SYSTEM MUST BE INSTALLED IF PLANTING PIT DOES NOT DRAIN SUFFICIENTLY (REQUIRED IN HEAVY CLAY SOILS).

6. ALL LANDSCAPE AREAS SHALL HAVE PROPER DRAINAGE THAT PREVENTS EXCESS WATER FROM STANDING ON LAWN AREAS OR AROUND TREES AND SHRUBS.

7. STAKES USED FOR TREE SUPPORTS SHALL POINT AWAY FROM ANY CIRCULATION ROUTES.

8. MULCHING AND WATERING OF ALL PLANTS AND TREES SHALL BE IMMEDIATELY OR WITHIN 16 HOURS AFTER INSTALLATION.

9. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.

10. REMOVE ALL TREE STAKES AND GUY WIRES AFTER ONE WINTER.

11. USE GRADE "A" DOUBLE SHREDDED HARDWOOD BARK

12. DIG SHRUB PITS 1' LARGER THAN SHRUB ROOT BALLS AND TREE PITS 2' LARGER THAN ROOT BALLS. BACK FILL WITH ONE PART TOPSOIL AND ONE PART SOIL FLOW THE EXCAVATED PLANTING HOLE. PLANT TREES AND SHRUBS AT THE SAME GRADE LEVEL AT WHICH THEY WERE PLANTED AT THE NURSERY. IF WET, CLAY SOILS ARE EVIDENT,

. REMOVE ALL TMINE, WIRE, AND BURLAP FROM THE TOP 1/3 OF TREE AND SHRUB IRTH BALLS AND FROM TREE TRUNKS.

14. LAWN TREES ARE TO BE MULCHED WITH A MINIMUM OF 4' WIDE BY 4" DEEP SHREDDED BARK FOR TRUNK PROTECTION. ONLY NATURAL-COLORED SHREDDED HARDWOOD BARK MULCH WILL BE ACCEPTED.

15. SHRUB BEDS ARE TO BE MUI CHED WITH SHREDDED BARK MUI CH TO A MINIMUM DEPTH OF 4". ONLY NATURAL-COLORED SHREDDED HARDWOOD BARK MULCH WILL BE ACCEPTED.

16. BACKFILL DIRECTLY BEHIND ALL CURBS AND ALONG SIDEWALKS AND COMPACT TO THE TOP OF CURB OR WALK TO SUPPORT VEHICLE AND PEDESTRIAN WEIGHT WITHOUT SETTLING.

17. ALL LANDSCAPE AREAS, SPECIAL PARKING LOT ISLANDS AND LANDSCAPE BEDS NEXT TO BUILDINGS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS AND POOR SOILS TO A DEPTH OF 12"-18" AND BACK-FILLED WITH GOOD, MEDIUM TEXTURED PLANTING SOIL (LOAM OR LIGHT YELLOW CLAY). ADD 4"-6" OF TOPSOIL OVERFILL MATERIAL AND CROWN A MINIMUM OF 6" ABOVE TOP OF CURBS AND/OR WALKS AFTER EARTH SETTLING UNLESS OTHERWISE NOTED ON THE LANDSCAPE PLAN.

18. CONVERSION OF ALL ASPHALT AND GRAVEL AREAS TO LANDSCAPE SHALL BE DONE IN THE FOLLOWING MANNER:

A. REMOVE ALL ASPHALT, GRAVEL AND COMPACTED EARTH TO A DEPTH OF

A. REMOVE ALL ASPHALT, GRAVEL AND COMPACIED EARTH TO A DEPH OF 6"-18" DEPENDING ON THE DEPTH OF THE SUB-BASE AND DISPOSE OF OFF SITE.

B. REPLACE EXCAVATED MATERIAL WITH GOOD, MEDIUM TEXTURES PLANTING SOIL (LOAM OR LIGHT YELLOW CLAY) TO A MINIMUM OF 2" ABOVE TOP F CURB AND SIDEWALK, ADD 4"-6" OF TOPSOIL AND CROWN TO A MINIMUM OF 6" ABOVE ADJACENT CURB AND WALK AFTER EARTH SETTLING UNLESS OTHERWISE NOTED ON THE LANDSCAPE

IF CONVERSION TO LANDSCAPE OCCURS IN AN EXISTING (OR BETWEEN) LANDSCAPE AREA(S), REPLACE EXCAVATED MATERIAL TO 4"-6" BELOW ADJACENT EXISTING GRADES WITH GOOD MEDIUM TEXTURED PLANTING SOIL (LOAM OR LIGHT YELLOW CLAY) AND ADD 47-6" OF TOPSOIL TO MEET EXISTING GRADES AFTER EARTH SETTLING.

19. ALL PLANT MATERIAL TO RECEIVE TERRA-SORB SUPER ABSORBENT POLYMER OR APPROVED EQUAL BY LANDSCAPE ARCHITECT, FOLLOW MANUFACTURER'S SPECIFICATIONS. BACKFILL PER MANI

 CONTRACTOR TO VERIFY PERCOLATION OF PLANT PIT PRIOR TO INSTALLATION TREE BALL SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT

PRUME TO THIN AND SHAPE CANOPY

USE ONLY ONE STAKE FOR TREES UNDER SET STAKES VERTICALLY AND EVENLY STAKE TREES JUST BELOW FIRST BRANCH WITH 2"-3" WIDE BELT LIKE HILDN OR PLASTIC STRAPS (CONNECT FROM TREE TO STAKE OPPOSITE FROM EACH OTHER, AND ALLOW FOR SOME "FLEXING"). DO NOT USE WIRE OR ROPE THROUGH A HOSE. REMOVE AFER FIRST WINTER.

TREE WRAP FROM TOP DOWN. REMOVE AFTER FIRST WINTER. HEMOTE

MULCH

PERMOYE BURLAP AND TWINE FROM
TOP 1/3 OF BALL

MOUND TO FORM SAUCER

- STAKES TO EXTEND 18" BELOW TREE
PIT IN UNDISTURBED GROUND

DECIDUOUS TREE PLANTING DETAIL

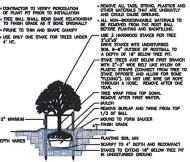
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* CONTRACTOR TO VERIFY PERCOLATION OF PLANT PIT PRIOR TO INSTALLATION • TREE SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT BORE ORIGINALLY PRUNE ONLY TO REMOVE DAMAGED OR BROKEN BRANCHES ALL NON-BIODEGRADABLE WATERIALS TO BE REMOVED FROM ROOT BALL BEFORE PLANTING AND BACKFILING. PUNITHO IND BACKTLING.

THAT TREES JUST BELOW FIRST BINNOH
WITH 2"-3" MOE BELT LIKE MYLON OR
PUSTIC STRUPS (CONNECT FROM TIKE TO
STAKE OPPOSTE FROM EACH OTHER MO ALLOW FOR SOME "FLECKIO"). DO HOT I
WINE OR FLOPE THROUGH A HOSE. REMO AFTER FIRST WATER. REMOVE BURLAP AND THINE FROM TOP 1/3 OF BALL HOUND TO FORM SAUCER FINISH ORVDE

EACH TREE TO RECEIVE TERRA—SORB SUPERVISORBANT POLYMER, MIX IN BACKFILL PER MANUFACTURER'S SPECIFICATIONS.

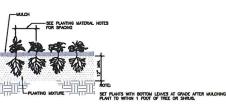
EVERGREEN TREE PLANTING DETAIL



ORNAMENTAL TREE PLANTING DETAIL

 EACH SHRUB TO RECEME TERRA—SORB
 SUPERABSORBANT POLYMER, MX IN BACKFILL
 PER MANUFACTURER'S SOCIEMATIONS . CONTRACTOR TO VERIFY PERCOLATION OF PLANT PIT PRIOR TO INSTALLATION. PLANT SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT BORE ORIGINALLY PRUNE ONLY DEAD OR BROKEN BRANCHES.
 ALL HON-BIODEGRABLE MATERIALS TO BE REMOVED BETTIRE PLANTING AND BACKFELING. - MULCH
- MOUND TO FORM SAUCER
- FIRSH GRADE
- REMOVE COLLAR FROM FIBER CONTAINER
AND PUNCTURE. REMOVE BURLAP AND TWNE FROM TOP 1/3 OF BALL PLANT MIXTURE. - Planting Soil Mix - Scarefy Soil to 4° Depth AND RECOMPACT

SHRUB PLANTING DETAIL



ANNUAL, PERENNIAL, GROUND COVER PLANTING DETAIL



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The Sanctuary at River's Edge Rochester Hills Oakland County Michigan

Checked/Approved: RLM Job # 30-2013
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File

5-15-2014 PUD CONCEPT REVIEW











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