

Wild Senna

Purple Meadow Rue

Thalictrum dasycarpum

Vernonia spp.

/eronicastrum virginianun Culvers Root

Ironweed (Various Mix)

Total

1 75

63.75

POP HYB	POPULUS DELTOIDES / EASTERN COTTONWOOD	EXISTING EXISTING	18" CAL 20" CAL		
QUE BIC	QUERCUS BICOLOR / SWAMP WHITE OAK	B≰B	4"CAL	6	Stormwater \$
TIL GRE	TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	B¢B	2.5"CAL	13	Botanical Nam
EVERGREEN TREES	BOTANICAL NAME / COMMON NAME	COND	SIZE	QTY	Permanent Gra
PIC COL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B≰B	6`-8`HT.	6	Carex frankii
PIN NIG	PINUS NIGRA / AUSTRIAN BLACK PINE	B¢B	6`-8`HT.	3	Carex Iurida Carex spargari
UNDERSTORY TREES	BOTANICAL NAME / COMMON NAME	COND	SIZE	QTY	Carex vulpinoid
AME MUL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B∉B	<u>6`-</u> 8`HT.	5	Elvmus virginic
BET NIG	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	EXISTING	4"CAL	2	Glyceria striata Juncus effusus
DECIDUOUS SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	SIZE	QTY	Juncus torreyi Leersia oryzoid
ARO ME2	ARONIA MELANOCARPA / CHOKEBERRY	B¢B	<u>36" HT.</u>	3	Panicum virgatu
COR ISA	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	B¢B	36" HT.	10	Scirpus atrovire
COT ACU	COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER	B¢B	36" HT.	17	Scirpus fluviatil
RHU GRO	RHUS AROMATICA `GRO-LOW` / GRO-LOW FRAGRANT SUMAC	5 GAL	24" SPREAD	48	Scirpus validus
ROS FL4	ROSA X `FLOWER CARPET PINK` / ROSE	5 GAL	24" SPREAD	10	Tomore Co
SYR VUL	SYRINGA VULGARIS / COMMON LILAC	B≰B	36" HT.	10	Avena sativa
VIB LUS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	B≰B	36" HT.	13	Lolium multiflor
EVERGREEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	SIZE	QTY	Forbs: Alisma son
JUN COM	JUNIPERUS CHINENSIS `PFITZERIANA COMPACTA` / COMPACTA PFITZER	5 GAL	24" SPREAD	6	Asclepias inca
TAX DE4	TAXUS X MEDIA / DENSE YEW	B∉B	24" HT.	4	Bidens spp.
THU SMA	THUJA OCCIDENTALIS `SMARAGD` / EMERALD GREEN ARBORVITAE	B∉B	36" HT.	16	Helenium autur Mimulus ringen
THU WOO	THUJA OCCIDENTALIS `WOODWARDII` / WOODWARD ARBORVITAE	B¢B	36" HT.	12	Penthorum sed
GRASSES	BOTANICAL NAME / COMMON NAME	COND.	SIZE	QTY	Rudbeckia subi
CAL KAR	CALAMAGROSTIS X ACUTIFLORA `KARL FOERSTER` / FEATHER REED GRASS	I GAL	<u>2`-</u> 3`HT.	5	Senna hebecar
PAN NOR	PANICUM VIRGATUM `NORTH WIND` / NORTHWIND SWITCH GRASS	I GAI		7	Thalictrum das

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PANICUM VIRGATUM `NORTH WIND` / NORTHWIND SWITCH GRASS

PAN NOR

60 feet

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<form></form>		١.	PLANT QUALITIES SHOWN IN THE PLANT SCHEDULE ARE FOR CONVENIENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIALS SHOWN ON THE PLAN AND SHOULD NOT RELY ON THE PLANT SCHEDULE FOR DETERMINING QUALITIES							
<form></form>		2.	ALL PLANT MATERIALS SHALL BE NURSERY GROWN STOCK AND SHALL BE FREE FROM ANY DEFORMITIES, DISEASES OR INSECT DAMAGE. ANY MATERIALS WITH DAMAGED OR CROOKED/DISFIGURED LEADERS, BARK ABRASION, SUNSCALD, INSECT DAMAGE, ETC. ARE NOT ACCEPTABLE AND WILL BE REJECTED. TREES WITH MULTIPLE LEADERS WILL BE REJECTED UNLESS CALLED OUT IN THE PLANT SCHEDULE AS MULTI-STEM.							
<list-item><list-item></list-item></list-item>		3.	ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.							
		4.	ALL PLANTING OPERATIONS SHALL BE COMPLETED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, PROPER PLANTING BED AND TREE PIT PREPARATION, PLANTING MIX, PRUNING, STAKING AND GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE OF MATERIALS DURING CONSTRUCTION ACTIVITIES					—		
		5.	ALL PLANT MATERIALS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ANY MATERIALS INSTALLED WITHOUT APPROVAL MAY BE REJECTED.		22-14	7-14	<u>1</u>	8-15 7-15	3 - 12	4-15
<form><text><list-item><text><list-item><text><list-item><text><list-item><text><list-item><text><list-item><text><list-item><text><list-item><text></text></list-item></text></list-item></text></list-item></text></list-item></text></list-item></text></list-item></text></list-item></text></list-item></text></form>		6.	THE CONTRACTOR SHALL GUARANTEE PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER. THE CONTRACTOR SHALL OUTLINE PROPER MAINTENANCE PROCEDURES TO THE OWNER AT THE TIME OF ACCEPTANCE. DURING THE GUARANTEE PERIOD, DEAD OR DISEASED MATERIALS SHALL BE REPLACED AT NO COST TO THE OWNER. AT THE END OF THE GUARANTEE PERIOD THE CONTRACTOR SHALL OBTAIN FINAL ACCEPTANCE FROM THE OWNER.		0-01	0-11	9 -	7 - 7 - 1 - 1		9-0
<form><form><form><form><form><form></form></form></form></form></form></form>		7.	ANY EXISTING TREES TO BE RETAINED SHALL BE PROTECTED FROM SOIL COMPACTION AND OTHER DAMAGES THAT MAY OCCUR DURING CONSTRUCTION ACTIVITIES BY ERECTING FENCING				س		5	
<form><form><form><form></form></form></form></form>		8.	ALL GRASS, CLUMPS, OTHER VEGETATION, DEBRIS, STONES, ETC SHALL BE RAKED OR OTHERWISE REMOVED FROM PLANTING AND LAWN AREAS PRIOR TO INITIATION OF INSTALLATION		NN: ال	S.S.	9.9. 9	ດ. ທີ່ທີ່ທີ່ ທີ່		ທ.ບ ທີ່ປ
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<form><form><form></form></form></form>		11.	PAVING, CURBING, ETC WHICH IS DAMAGED DURING PLANTING OPERATIONS. SIZE AND GRADING STANDARDS OF PLANT MATERIALS SHALL CONFORM TO THE LATEST EDITION OF ANSI ZGO. I, AMERICAN STANDARDS FOR NURSERY STOCK, BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.				2			
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<text></text>		13. 14.	REFER TO ARCHITECTURAL PLANS FOR BUILDING SIZES AND FOOTPRINTS. REFER TO ENGINEERING PLANS FOR DETENTION CALCULATIONS, UTILITY LOCATIONS,				<u>(</u>	Ū.		
<form></form>		15.	TOPOGRAPHIC INFORMATION AND THE LIKE. ALL PLANT MATERIAL ON THIS PLANTING PLAN REPRESENTS THE INTENTION AND INTENSITY OF THE PROPOSED LANDSCAPE MATERIAL. THE EXACT SPECIES AND LOCATIONS MAY VARY IN THE FIELD DO TO MODIFICATIONS IN THE SITE IMPROVEMENTS AND THE AVAILABILITY OF PLANT MATERIAL AT THE TIME OF INSTALLATION. ANY SUCH CHANGES MUST FIRST BE APPROVED BY THE VILLAGE IN WRITING		-			л х ц		
		16.	ALL PLANT MATERIAL SHALL BE PLANTED WITH A MINIMUM OF SIX INCHES OF ORGANIC SOIL AND MULCHED WITH A SHREDDED BARK MATERIAL TO A MINIMUM 3" DEPTH.			<b>JSE</b>	(	ש		
		17. 18.	ALL BEDS SHALL BE EDGED, HAVE WEED PREEMERGENTS APPLIED AT THE RECOMMENDED RATE.				2	S S S		_
		19.	OTHERWISE NOTED. ALL LAWN AREAS ON THIS PLAN SHALL BE GRADED SMOOTH AND TOPPED WITH AT LEAST 4" OF			ר	(	Ĉ	ט. כ	)
		20.	TOPSOIL. ALL LAWN AREAS TO BE ESTABLISHED USING SOD UNLESS OTHERWISE NOTED. THIS LANDSCAPE PLAN ASSUMES THE SITE WILL BE PREPARED WITH TOP SOIL SUITABLE FOR THE ESTABLISHMENT OF THE LANDSCAPE MATERIAL PRESENTED ON THIS PLAN. JE ADDITIONAL						ling	
California (California)     California     Cal			THE ESTABLISHMENT OF THE LANDSCAPE MATERIAL PRESENTED ON THIS PLAN. IF ADDITIONAL TOP SOIL IS REQUIRED IT IS UP TO THE LANDSCAPE CONTRACTOR ON THE PROJECT TO PROVIDE, SPREAD AND PREPARE THE SITE AS NEEDED FOR THE IMPLEMENTATION OF THIS LANDSCAPE PLAN.		Ī	<u>ה</u> מ		<b>JII I I</b>		
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28. LAW AND BED AREAS SHALL BE KOTONILLD, KAKED OF CULLING AND DERKIN.     3. ALL NATIVE FLANTING SEED AREAS TO BE COVER WITH NAC SCI DO ENDOLON TROL     MARKET.     3. CONCENTRATE CONSTRUCTIVE NATIVE SEEDING, FRIMARILY THE FORDED, TO ELEVATION 229 AND     ADDE IN THE NATIVE SEEDING AREA AROUND THE DETINION ASIAN CONCENTRATE THE     NATIVE FRANCES., BEDGES AND RUSHES FROM ELEVATION 729 DOWN TO THE DETINION     SAN, WORK OF IN THE NATIVE SEEDING AREA AROUND THE DETINION ASIAN, CONCENTRATE THE     NATIVE GRAVES., SEAGES AND RUSHES FROM ELEVATION 729 DOWN TO THE DETINION     SAN, BOTTOM     ALL CURRENT FOUNDATION PLANTINGS WILL DE DUG AND HEALED IN ON SITE AND THE     RELOCATED AS SHOWN ON ADDITION CONSERVICEMENT HER AND DETAIL     ALL CURRENT FOUNDATION CONSERVICED AND THE DAMAGE OF THE DETINION ASIAN, CONSERVICED     ALL CURRENT FOUNDATION CONSERVICED AND THE DAMAGE AND THE AND DETAIL     ALL DARBING PLANTING SHALL DE RETING AREA OF THE DURING ALL DAMAGE AND THE DAMAGE     SAN THE WILL DE REPLICAL DU ON STRUCTION     ALL DARBING PLANTING CONSTRUCTION ADDITION CONSERVICES TO BE     READERTING DURING AND THE LANDEDARE FRANTING / CONSERVICTION     ALL DARBING PLANTING CONSTRUCTION OF PLANTING CONSERVERTING / CONSTRUCTION     ALL DARBING PLANTING CONSTRUCTION ON PLANTING CONSERVERTING / CONSTRUCTION     ALL DARBING PLANTING CONSTRUCTION ON PLANTING CONSERVERTING / CONSTRUCTION     ALL DARBING PLANTING CONSTRUCTION ON PLANTING CRANTER AND THES TO BE     RELOCATED ON ON THE LANDEDARE PLANTING / CONSTRUCTION THE DARDEDAR THE MARKET AND REAL DAMAGE     THE WILLING PLANTING CONSTRUCTION ON PLANTING THERE TO BE     RELOCATED ON ON THE LANDEDARE PLANTING / CONSTRUCTION THE DARBING THAN THE MARKET AND REAL DAMAGE     THE MULTICAL REPRESERVATION THAN TOR NOOR DETAIL		25.	ALL BEDS TO BE BERMED 12" TO 24" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.			a D				
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		28.	CONCENTRATE SENSITIVE NATIVE SEEDING, PRIMARILY THE FORBES, TO ELEVATION 729 AND ABOVE IN THE NATIVE SEEDING AREA AROUND THE DETENTION BASIN. CONCENTRATE THE NATIVE GRASSES, SEDGES AND RUSHES FROM ELEVATION 729 DOWN TO THE DETENTION BASIN BOTTOM			C			ghway 60423	-7413 9-7413
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<ul> <li>ALL LANDSCAPE QUANTITIES WILL REMAIN THE SAME AS THE EXISTING ANIMAL HOSPITAL.</li> <li>ONCE BUILDING ADDITION CONSTRUCTION ACTIVITIES ARE COMPLETE THE HEALED IN EXISTING PLANT MATERIAL WILL BE REINSTALLED PER THE PLAN DETAIL.</li> <li>IF ANY FLANTS ARE DAMAGED OR DO NOT SURVIVE THE TRANSPLANTING / CONSTRUCTION ACTIVITIES THE WILL BE REFLACED WITH LIKE MATERIAL.</li> <li>ALL DISTING PLANT MATERIAL ON STITE IN THE IMMUDIATE AREA OF THE BUILDING ADDITON WILL POST INFRA THE DRIP UNE OF THE PLANT MATERIAL. POSTS TO BE SPACED G'O.C. SEE THEY PREDERVATION ORDINANCE. SEE THE PRESERVATION PLAN FOR MORE DETAIL.</li> <li>THES SHOWN ON THE LANDSCAPE PLAN WITH AN (N) INDICATE DISTING TREES REQUIRED FOR THE VILLAGE THE PRESERVATION PLAN FOR MORE DETAIL.</li> <li>THES SHOWN ON THE LANDSCAPE PLAN WITH AN (N) INDICATE EXISTING TREES TO DE RELOCATED ON SITE. SEE THE THE PRESERVATION PLAN FOR MORE DETAIL.</li> <li>THE PETITIONER / CONTRACTOR SHALL REPLACE EXISTING PLANT MATERIAL ON SITE.</li> <li>THE PETITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL ON SITE.</li> <li>THE DITION THE DITION THE DATE AND THE DITION THE</li></ul>		١.	ALL CURRENT FOUNDATION PLANTINGS WILL BE DUG AND HEALED IN ON SITE AND THEN RELOCATED AS SHOWN ON ADDITION LANDSCAPE PLAN DETAIL.			-		ie oei	. Linc	F:(81
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CVIEND CONTRACT ON THE DATE: CATE A REPARED FOR: RME REPARED FOR: COLLOND		6. 7. 8. 9.	TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (M) INDICATED MITIGATION TREES REQUIRED PER THE VILLAGE TREE PRESERVATION ORDINANCE. SEE TREE PRESERVATION PLAN FOR MORE DETAIL. TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (R) INDICATE EXISTING TREES TO BE RELOCATED ON SITE. SEE THE TREE PRESERVATION PLAN FOR MORE DETAIL. THE PETITIONER / CONTRACTOR SHALL REPLACE EXISTING DEAD PLANT MATERIAL ON SITE. THE PETITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL DAMAGED DURING CONSTRUCTION.	merald Site Services, L	ALE:	= 20'	MPUTER NAME:	lan	B NUMBER:	]
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CALL JULIE TOLL FREE 1(800)892-0123 OPERATES 24 HOURS A DAY 365 DAYS A YEAR DAY 365 DAYS		6. 7. 8. 9.	TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (M) INDICATED MITIGATION TREES REQUIRED PER THE VILLAGE TREE PRESERVATION ORDINANCE. SEE TREE PRESERVATION PLAN FOR MORE DETAIL. TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (R) INDICATE EXISTING TREES TO BE RELOCATED ON SITE. SEE THE TREE PRESERVATION PLAN FOR MORE DETAIL. THE PETITIONER / CONTRACTOR SHALL REPLACE EXISTING DEAD PLANT MATERIAL ON SITE. THE PETITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL DAMAGED DURING CONSTRUCTION.	Property of Emerald Site Services, L	JR: SCALE:	1" = 20'	COMPUTER NAME:	IL   Lplan	JOB NUMBER: ESS	
1(800)892-0123 OPERATES 24 HOURS A DAY 365 DAYS A YEAR ULDUNG		6. 7. 8. 9.	TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (M) INDICATED MITIGATION TREES REQUIRED PER THE VILLAGE TREE PRESERVATION ORDINANCE. SEE TREE PRESERVATION PLAN FOR MORE DETAIL. TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (R) INDICATE EXISTING TREES TO BE RELOCATED ON SITE. SEE THE TREE PRESERVATION PLAN FOR MORE DETAIL. THE PETITIONER / CONTRACTOR SHALL REPLACE EXISTING DEAD PLANT MATERIAL ON SITE. THE PETITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL DAMAGED DURING CONSTRUCTION.	g is the Property of Emerald Site Services, L	ED FOR: SCALE:	<sup>  </sup> = 20 <sup> </sup>	N: COMPUTER NAME:	'ark, IL   Lp1an	JOB NUMBER: ESS	 ) 
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CALL BEFORE YOU DIG

CALL 1(800)892-0123 48 HOURS BEFORE YOU DIG

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Out Conditions:	×
VILLACE OF ODI	AND DADK

ow-profile Prairie Seed	Mix	
		PLS
Botanical Name	Common Name	Ounces/Acre
Permanent Grasses:		
Bouteloua curtipendula	Side Oats Grama	10.0
Carex spp.	Prairie Carex Mix	4.0
Elymus canadensis	Canada Wild Rye	32.0
Koeleria cristata	June Grass	1.0
Panicum virgatum	Switch Grass	1.0
Schizachyrium scoparium	Little Bluestem	32.0
	Total	80.0
Cemporary Cover:		
Avena sativa	Common Oat	360.0
olium multiflorum.	Annual Rye	100.0
	Total	460.0
orbs:		
Anemone cylindrica	ThimbleWeed	0.5
Asclepias tuberosa	Butterfly MilkWeed	2.0
Aster ericoides	Heath Aster	0.2
Aster laevis	Smooth Blue Aster	0.7
Aster novae-angliae	New England Aster	0.2
Baptisia lactea	White Wild Indigo	2.0
Chamaecrista fasciculata	Partridge Pea	14.0
Coreopsis lanceolata	Sand Coreopsis	5.0
Coreopsis palmata	Prairie Coreopsis	1.0
Dalea candida	White Prairie Clover	1.5
Dalea purpurea	Purple Prairie Clover	1.5
Echinacea purpurea	Broad-Leaved Purple Conefle	7.0
Eryngium yuccifolium	Rattlesnake Master	2.5
.espedeza capitata	Round-Head Bush Clover	2.0
iatris aspera.	Rough Blazing Star	0.5
upinus perennis.	Wild Lupine	2.0
Monarda fistulosa	Wild Bergamot	0.7
Parthenium integrifolium	Wild Quinine	1.0
Penstemon digitalis	Foxglove Beard Tongue	0.5
Pycnanthemum virginianu	Common Mountain Mint	1.0
Ratibida pinnata	Yellow Coneflower	4.0
Rudbeckia hirta	Black-Eyed Susan	5.0
Rudbeckia subtomentosa	Sweet Black-Eyed Susan	1.0
Silphium integrifolium	Rosin Weed	3.0
Silphium terebinthinaceum	Prairie Dock	0.5
Solidago nemoralis	Old-Field Goldenrod	0.5
Solidago rigida	Stiff Goldenrod	1.0
Tradescantia ohiensis	Common Spiderwort	0.7
/ernonia spp.	Ironweed (Various Mix)	1.7
/eronicastrum virginianun	Culvers Root	0.2
*	Total	62 7

1. PLANT QUALITIES SHOWN IN THE PLANT SCHEDULE ARE FOR CONVENIENCE ONLY. THE								
CONTRACTOR TO RECTOR OF TOKE DAY TO THE PLANT REPORT OF THE RECTOR OF THE PLANT OF	L							
<ol> <li>ALL PLANT MATERIALS SHALL BE NURSERY GROWN STOCK AND SHALL BE FREE FROM ANY DEFORMITIES, DISEASES OR INSECT DAMAGE. ANY MATERIALS WITH DAMAGED OR CROOKED/DISFIGURED LEADERS, BARK ABRASION, SUNSCALD, INSECT DAMAGE, ETC. ARE NOT ACCEPTABLE AND WILL BE REJECTED. TREES WITH MULTIPLE LEADERS WILL BE REJECTED UNLESS</li> </ol>								
<ol> <li>ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.</li> </ol>								
4. ALL PLANTING OPERATIONS SHALL BE COMPLETED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, PROPER PLANTING BED AND TREE PIT PREPARATION, PLANTING MIX, PRUNING, STAKING AND GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE OF MATERIALS DURING CONSTRUCTION ACTIVITIES.	ŀ							
5. ALL PLANT MATERIALS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ANY MATERIALS INSTALLED WITHOUT APPROVAL MAY BE REJECTED.		2-14	7-14		<u>1</u> 1 1 1 1	<u>-15</u>	4-15	Ļ
6. THE CONTRACTOR SHALL GUARANTEE PLANT MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER. THE CONTRACTOR SHALL OUTLINE PROPER MAINTENANCE PROCEDURES TO THE OWNER AT THE TIME OF ACCEPTANCE. DURING THE GUARANTEE PERIOD, DEAD OR DISEASED MATERIALS SHALL BE REPLACED AT NO COST TO THE OWNER. AT THE END OF THE GUARANTEE PERIOD THE CONTRACTOR SHALL OBTAIN FINAL ACCEPTANCE FROM THE OWNER.		10-0		9 -	- 7 - 7 - 1 - 1	-9 -0-9	9-07	
7. ANY EXISTING TREES TO BE RETAINED SHALL BE PROTECTED FROM SOIL COMPACTION AND OTHER DAMAGES THAT MAY OCCUR DURING CONSTRUCTION ACTIVITIES BY ERECTING FENCING APOLINIC SUCH MATERIALS AT A DISTANCE OF 8 51 FROM THE TRUNK								
<ol> <li>ALL GRASS, CLUMPS, OTHER VEGETATION, DEBRIS, STONES, ETC SHALL BE RAKED OR OTHERWISE REMOVED FROM PLANTING AND LAWN AREAS PRIOR TO INITIATION OF INSTALLATION</li> </ol>		S.S.	0.0.0 0.0	ິ. ທີ່ ທີ່	ດ ທີ່ ທີ່	0.0. 0.0.	5.5.(	(
PROCEDURES. 9. ANY AREAS TO BE LOAMED AND SEEDED WHICH HAVE NOT BEEN DISTURBED BY CONSTRUCTION ACTIVITIES SHALL RECEIVE 1"-2" OF LOAM OVER SCARIFIED EXISTING SOILS. CARE SHOULD BE GIVEN TO NOT PLACE GREATER THEN 1" SOIL OVER EXPOSED ROOTS OF EXISTING TREES IN SUCH AREAS.								
10. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INITIATING PLANTING OPERATIONS. THE CONTRACTOR SHALL REPAIR/ REPLACE AND UTILITY,	Γ							
PAVING, CURBING, ETC WHICH IS DAMAGED DURING PLANTING OPERATIONS. I.I. SIZE AND GRADING STANDARDS OF PLANT MATERIALS SHALL CONFORM TO THE LATEST EDITION OF ANSI ZGO L. AMERICAN STANDARDS FOR NURSERY STOCK. BY THE AMERICAN NURSERY #		Š	2					
12. REFER TO PLAT OF SURVEY FOR LEGAL DESCRIPTION, BOUNDARY DIMENSIONS AND EXISTING		+て	כו		5			
CONDITIONS. 13. REFER TO ARCHITECTURAL PLANS FOR BUILDING SIZES AND FOOTPRINTS.		ר <			ע			
14. REFER TO ENGINEERING PLANS FOR DETENTION CALCULATIONS, UTILITY LOCATIONS, TOPOGRAPHIC INFORMATION AND THE LIKE.		Ç	D		ק			
I 5. ALL PLANT MATERIAL ON THIS PLANTING PLAN REPRESENTS THE INTENTION AND INTENSITY OF THE PROPOSED LANDSCAPE MATERIAL. THE EXACT SPECIES AND LOCATIONS MAY VARY IN THE FIELD DO TO MODIFICATIONS IN THE SITE IMPROVEMENTS AND THE AVAILABILITY OF PLANT MATERIAL AT THE TIME OF INSTALLATION. ANY SUCH CHANGES MUST FIRST BE APPROVED BY THE VILLAGE IN WRITING		- +	nu					
I G. ALL PLANT MATERIAL SHALL BE PLANTED WITH A MINIMUM OF SIX INCHES OF ORGANIC SOIL AND MULCHED WITH A SHREDDED BARK MATERIAL TO A MINIMUM 3" DEPTH.				( +	ב			
17. ALL BEDS SHALL BE EDGED, HAVE WEED PREEMERGENTS APPLIED AT THE RECOMMENDED RATE.		//:+I			<u>つ</u> の		•	
OTHERWISE NOTED.		>	> I				מ כ	
TOPSOIL. ALL LAWN AREAS TO BE ESTABLISHED USING SOD UNLESS OTHERWISE NOTED. 20. THIS LANDSCAPE PLAN ASSUMES THE SITE WILL BE PREPARED WITH TOP SOIL SUITABLE FOR THE ESTABLISHMENT OF THE LANDSCAPE MATERIAL PRESENTED ON THIS PLAN. IF ADDITIONAL TOP SOIL IS REQUIRED IT IS UP TO THE LANDSCAPE CONTRACTOR ON THE PROJECT TO PROVIDE, SPREAD AND PREPARE THE SITE AS NEEDED FOR THE IMPLEMENTATION OF THIS LANDSCAPE PLAN.			ש		ש			
21. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.		C	D			r k	2	
22. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.			ק	` +,	لے ح			
23. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.		C C	いつ		D	ζ	כ	
TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED, AND HAVE ALL TAGS AND ROPES REMOVED.		ζ				0	g	
25. ALL BEDS TO BE BERMED 12" TO 24" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS. 26. LAWN AND BED AREAS SHALL BE ROTOTILLED, RAKED OF CLUMPS AND DEBRIS.		Ċ	ק	<u>, 11, 1</u>			5	
27. ALL NATIVE PLANTING SEED AREAS TO BE COVER WITH NAG SC I 50 EROSION CONTROL BLANKET.								
28. CONCENTRATE SENSITIVE NATIVE SEEDING, PRIMARILY THE FORBES, TO ELEVATION 729 AND ABOVE IN THE NATIVE SEEDING AREA AROUND THE DETENTION BASIN. CONCENTRATE THE NATIVE GRASSES, SEDGES AND RUSHES FROM ELEVATION 729 DOWN TO THE DETENTION BASIN BOTTOM.			C		<b>2</b>	Highway in 60423	IS 00423	01-1-10
LANDSCAPE ADDITION NOTES:			3	2 and		ncoln ning		3 1 2 1 2 1
ALL LANDSCAPE OLIANTITIES WILL REMAIN THE SAME AS THE EVISTING ANIMAL HOSPITAL			J	) ite		W. Lir	ארסת, איק לי	
<ul> <li>3. ONCE BUILDING ADDITION CONSTRUCTION ACTIVITIES ARE COMPLETE THE HEALED IN EXISTING PLANT MATERIAL WILL BE REINSTALLED PER THE PLAN DETAIL</li> </ul>			Ē		2	3223 / E.c.	Llai	14/-2
<ul> <li>4. IF ANY PLANTS ARE DAMAGED OR DO NOT SURVIVE THE TRANSPLANTING / CONSTRUCTION ACTIVITIES THE WILL BE REPLACED WITH LIKE MATERIALS.</li> </ul>		-				w	E / 16	2 4 0 7
<ul> <li>ALL EXISTING PLANT MATERIAL ON SITE IN THE IMMEDIATE AREA OF THE BUILDING ADDITION WILL</li> <li>BE PROTECTED DURING CONSTRUCTION BY PLASTIC ORANGE SNOW FENCE WITH SECURED TO METAL POST NEAR THE DRIP LINE OF THE PLANT MATERIAL. POSTS TO BE SPACED G' O.C. SEE PLAN DETAIL FOR LOCATION OF FENCE.</li> </ul>							10/·C	-C 1
6. TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (M) INDICATED MITIGATION TREES REQUIRED PER THE VILLAGE TREE PRESERVATION ORDINANCE. SEE TREE PRESERVATION PLAN FOR MORE DETAIL	s, LLC			 111				
<ul> <li>7. TREES SHOWN ON THE LANDSCAPE PLAN WITH AN (R) INDICATE EXISTING TREES TO BE RELOCATED ON SITE. SEE THE TREE PRESERVATION PLAN FOR MORE DETAIL.</li> <li>8. THE PETITIONER / CONTRACTOR SHALL REPLACE EXISTING DEAD PLANT MATERIAL ON SITE. )</li> </ul>				ER NAME		IBER:		
9. THE PETITIONER / CONTRACTOR SHALL REPLACE ANY EXISTING PLANT MATERIAL DAMAGED	or Emerald :	SCALE:		COMPUT	Lplan	JOB NUN Raat	EUU_	
Dracro	e Propeny	ЯО З						
CALL JULIE TOLL FREE 1(800)892-0123 OPERATES 24 HOURS A	nis Drawing is the	REPARED F	NAL N	OCATION:	Irland Park,	ATE: 2 17	10-14	

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329343-Ø2

3



SHRUB PLANTING DETAIL NOT TO SCALE

 LIMIT PRUNING TO DEAD AND BROKEN BRANCHES AND SHOOTS.

– SET ROOTBALL AT SAME GRADE, OR SLIGHTLY ABOVE, FINISHED GRADE.

-PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS EXCAVATED MATERIAL.

> —BACKFILL PIT WITH PLANTING PIT BACKSOIL. - SET ROOTBALL ON UNDISTURBED SUBGRADE.

> > 329333-Ø1



VILLAGE OF ORLAND PARK



- SET PLANTS AT SAME LEVEL AS GROWN IN CONTAINER. - 2" DEEP MULCH. WORK MULCH UNDER

BRANCHES. - RAISE PLANT BED 2" ABOVE FINISH GRADE.

← PREPARE ENTIRE PLANT BED TO A 6" DEPTH WITH AMENDED TOPSOIL.



ANNUAL, PERENNIAL, & GROUNDCOVER DETAIL NOT TO SCALE

329301-03

	REVISION:	5.5.G. 10-02-		S.S.G. 1-16-15	rvices, LLC   MIdwest Animal Hospital Expansion   S.S.G. 4-28-19	2010 Lindwider 5.5.G. 5-12-15			13) 469-7413
roperty of Emerald Site Services, LLC		S: SCALE:		COMPLITER NAME:	Lplan		LUB NUMBER: 0223 W. L		1 0047-604 (C10):1
© 2014 Copyright. This Drawing is the Prc		PREPARED FOR:	RWE	HC I DCATION:	Orland Park, IL		DATE: 7 2 11	7 - 0 - 1	



PLANT SCHE	DULE 183RD PLACE BUFFERYARD			
CANOPY TREES	BOTANICAL NAME / COMMON NAME	COND	SIZE	QTY
	ACER RUBRUM `RED SUNSET` / RED SUNSET MAPLE	B ¢ B	2.5"CAL	3
VERGREEN TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	$\frac{QTY}{2}$
IC COL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ≰ B	6`-8`HT.	
INDERSTORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
IAL PRA	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B ∉ B	6`-8`HT.	I
DECIDUOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
COT ACU	COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER	В ∉ В	36" HT.	10
/IB LUS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	В ∉ В	36" HT.	6
VERGREEN SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>51ZE</u>	QTY
HU WOO	THUJA OCCIDENTALIS `WOODWARDII` / WOODWARD ARBORVITAE	B ∉ B	36" HT.	7
PLANT SCHE	DULE WEST BUFFERYARD			
ANOPY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
CE AU2	ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE	B & B	2.5"CAL	2
LE SKY	GLEDITSIA TRIACANTHOS `SKYLINE` / SKYLINE HONEY LOCUST	B & B	2.5"CAL	3
IL GRE	TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	B & B	2.5"CAL	1
VERGREEN TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
IC COL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6`-8`HT.	4
IN NIG	PINUS NIGRA / AUSTRIAN BLACK PINE	B ∉ B	6`-8`HT.	2
NDERSTORY TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
ME MUL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B ∉ B	6` - 8` HT.	3
IAL PRA	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B ∉ B	6` - 8` HT.	2
<u>ECIDUOUS SHRUBS</u>	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
OR ISA	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	B ∉ B	36" HT.	5
OT ACU	COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER	B ∉ B	36" HT.	17
E WIN	ILEX VERTICILLATA `WINTER RED` / WINTER RED HOLLY	B ∉ B	36" HT.	10
IB LUS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	B ∉ B	36" HT.	2
VERGREEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	<u>SIZE</u>	QTY
JN COM	JUNIPERUS CHINENSIS `PFITZERIANA COMPACTA` / COMPACTA PFITZER	5 GAL	24" SPREAD	IG
PLANT SCHE	DULE SOUTH BUFFERYARD			
ANOPY TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
CE AU2	ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE	B ∉ B	2.5"CAL	
EL OCC	CELTIS OCCIDENTALIS / COMMON HACKBERRY	B ∉ B	2.5"CAL	3
OP HYB	POPULUS DELTOIDES / EASTERN COTTONWOOD	EXISTING	1 <i>8</i> " CAL.	
IL GRE	TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	B ∉ B	2.5"CAL	2
VERGREEN TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
IC COL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6`-8`HT.	2
IN NIG	PINUS NIGRA / AUSTRIAN BLACK PINE	B ∉ B	6`-8`HT.	2
NDERSTORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	$\frac{\text{QTY}}{3}$
ME MUL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B ∉ B	6`-8`HT.	
ECIDUOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
OR ISA	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	B ∉ B	36" HT.	5
YR VUL	SYRINGA VULGARIS / COMMON LILAC	B ∉ B	36" HT.	10
IB LUS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	B ∉ B	36" HT.	10

NT SCHE	EDULE 183RD PLACE BUFFERYARD			
PY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
JN	ACER RUBRUM `RED SUNSET` / RED SUNSET MAPLE	B ∉ B	2.5"CAL	3
REEN TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
DL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6`-8`HT.	2
STORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B ∉ B	6`-8`HT.	I
JOUS SHRUBS CU S	BOTANICAL NAME / COMMON NAME COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	<u>COND.</u> B	<u>SIZE</u> 36" HT. 36" HT.	<u>QTY</u> 10 6
REEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	<u>SIZE</u>	QTY
00	THUJA OCCIDENTALIS `WOODWARDII` / WOODWARD ARBORVITAE	B ¢ B	36" HT.	7
NT SCHE	DULE WEST BUFFERYARD			
Y TREES 12 Y	BOTANICAL NAME / COMMON NAME ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE GLEDITSIA TRIACANTHOS `SKYLINE` / SKYLINE HONEY LOCUST TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	COND B ∉ B B ∉ B B ∉ B	<u>SIZE</u> 2.5"CAL 2.5"CAL 2.5"CAL	<u>QTY</u> 2 3 1
REEN TREES L	BOTANICAL NAME / COMMON NAME PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE PINUS NIGRA / AUSTRIAN BLACK PINE	<u>COND</u> B ∉ B B ∉ B	<u>5IZE</u> 6` - 8` HT. 6` - 8` HT.	<u>QTY</u> 4 2
<u>STORY TREES</u>	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>51ZE</u>	<u>QTY</u>
UL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B ∉ B	6`-8`HT.	3
A	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B ∉ B	6`-8`HT.	2
IOUS SHRUBS A CU	BOTANICAL NAME / COMMON NAME CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER ILEX VERTICILLATA `WINTER RED` / WINTER RED HOLLY VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	COND. B ∉ B B ∉ B B ∉ B B ∉ B	<u>SIZE</u> 36" HT. 36" HT. 36" HT. 36" HT.	<u>QTY</u> 5 17 10 2
REEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	<u>SIZE</u>	QTY
DM	JUNIPERUS CHINENSIS `PFITZERIANA COMPACTA` / COMPACTA PFITZER	5 GAL	24" SPREAD	IG
NT SCHE	DULE SOUTH BUFFERYARD			
Y TREES 12 78	BOTANICAL NAME / COMMON NAME ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE CELTIS OCCIDENTALIS / COMMON HACKBERRY POPULUS DELTOIDES / EASTERN COTTONWOOD TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	<u>COND</u> B ∉ B B ∉ B EXISTING B ∉ B	<u>SIZE</u> 2.5"CAL 2.5"CAL 1.8" CAL. 2.5"CAL	QTY   3   2
REEN TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6`-8`HT.	2
	PINUS NIGRA / AUSTRIAN BLACK PINE	B ∉ B	6`-8`HT.	2
STORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
UL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B ∉ B	6`-8`HT.	3
IOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
A	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	В∉В	36" HT.	5
IL	SYRINGA VULGARIS / COMMON LILAC	В∉В	36" HT.	1 0

ANT SCHE	EDULE 183RD PLACE BUFFERYARD			
<u>PPY TREES</u>	BOTANICAL NAME / COMMON NAME	COND	SIZE	QTY
BUN	ACER RUBRUM `RED SUNSET` / RED SUNSET MAPLE	B ∉ B	2.5"CAL	3
GREEN TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
OL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ≉ B	6`-8`HT.	2
RSTORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
'RA	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B & B	6`-8`HT.	I
DUOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
ACU	COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER	B ∉ B	36" HT.	10
JS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	B ∉ B	36" HT.	6
GREEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	<u>SIZE</u>	QTY
VOO	THUJA OCCIDENTALIS `WOODWARDII` / WOODWARD ARBORVITAE	B ∉ B	36" HT.	7
NT SCHE	DULE WEST BUFFERYARD			
PY TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
U2	ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE	B ∉ B	2.5"CAL	2
KY	GLEDITSIA TRIACANTHOS `SKYLINE` / SKYLINE HONEY LOCUST	B ∉ B	2.5"CAL	3
E	TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	B ∉ B	2.5"CAL	1
GREEN TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
DL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6` - 8` HT.	4
G	PINUS NIGRA / AUSTRIAN BLACK PINE	B ∉ B	6` - 8` HT.	2
RSTORY TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
IUL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B ∉ B	6`-8`HT.	3
RA	MALUS X `PRAIRIFIRE` / PRAIRIFIRE CRAB APPLE	B ∉ B	6`-8`HT.	2
UOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
5A	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	B ∉ B	36" HT.	5
.CU	COTONEASTER ACUTIFOLIUS / PEKING COTONEASTER	B ∉ B	36" HT.	17
N	ILEX VERTICILLATA `WINTER RED` / WINTER RED HOLLY	B ∉ B	36" HT.	10
IS	VIBURNUM DENTATUM `CHICAGO LUSTER` / CHICAGO LUSTER ARROWWOOD	B ∉ B	36" HT.	2
REEN SHRUBS	BOTANICAL NAME / COMMON NAME	COND.	<u>SIZE</u>	QTY
OM	JUNIPERUS CHINENSIS `PFITZERIANA COMPACTA` / COMPACTA PFITZER	5 GAL	24" SPREAD	IG
NT SCHE	DULE SOUTH BUFFERYARD			
PY TREES U2 CC YB E	BOTANICAL NAME / COMMON NAME ACER FREEMANII `AUTUMN BLAZE` / AUTUMN BLAZE MAPLE CELTIS OCCIDENTALIS / COMMON HACKBERRY POPULUS DELTOIDES / EASTERN COTTONWOOD TILIA CORDATA `GREENSPIRE` / GREENSPIRE LITTLELEAF LINDEN	<u>COND</u> B	<u>SIZE</u> 2.5"CAL 2.5"CAL 1 <i>8</i> " CAL. 2.5"CAL	<u>QTY</u> 1 3 1 2
GREEN TREES	BOTANICAL NAME / COMMON NAME	<u>COND</u>	<u>SIZE</u>	<u>QTY</u>
DL	PICEA PUNGENS `COLORADO GREEN` / BLUE SPRUCE	B ∉ B	6` - 8` HT.	2
G	PINUS NIGRA / AUSTRIAN BLACK PINE	B ∉ B	6` - 8` HT.	2
RSTORY TREES	BOTANICAL NAME / COMMON NAME	COND	<u>SIZE</u>	QTY
/IUL	AMELANCHIER CANADENSIS / SHADBLOW SERVICEBERRY MULTITRUNK	B∉B	6`-8`HT.	3
UOUS SHRUBS	BOTANICAL NAME / COMMON NAME	<u>COND.</u>	<u>SIZE</u>	<u>QTY</u>
BA	CORNUS SERICEA `ISANTI` / ISANTI REDOSIER DOGWOOD	В∉В	36" HT.	5
UL	SYRINGA VULGARIS / COMMON LILAC	В∉В	36" HT.	1 0

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EVERGREEN SHRUBS BOTANICAL NAME / COMMON NAME THUJA OCCIDENTALIS `SMARAGD` / EMERALD GREEN ARBORVITAE THU SMA

**BOARD APPROVED** Case No: \_\_\_\_\_\_2014-0424 Date: 7/20/15 W/Conditions:

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VILLAGE OF ORLAND PARK

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# Midwest Animal Hospital Monitoring and Management Plan

# SECTION 1.0 NEAR-TERM MONITORING AND REPORTING

# **1.1 Responsible Parties**

The owner, Midwest Animal Hospital, will be responsible for funding and implementing a three-year "near-term" management and maintenance plan for establishing a naturalized landscape associated with the proposed Midwest Animal Hospital project stormwater facility. The owner may elect to contract management and maintenance services to a third party to ensure proper implementation.

# **1.2 Monitoring Methodology**

Areas of naturalized revegetation will be monitored following methodologies as outlined herein. Meander survey monitoring will be performed on an annual basis for three years after planting is substantially complete, or until the landscape is accepted by the Village. Annual vegetation monitoring will occur in August, September, or early October. Meander survey methodology will involve taking five to 10 representative site photographs and performing a review of at least 20 percent of each vegetative community to identify the following:

- a. the limits of all vegetation areas by general community type and dominant species within each
- planting zone (e.g., wetland and prairie zones),
- b. all plant species (native and non-native) in each planting zone,
- c. the approximate percent ground cover by native species within each planting zone, d. the percent ground cover by non-native or invasive species in each planting zone,
- e. erosion and sedimentation problems,
- f. water level or drainage problems,
- areas of bare soil larger than one square-meter, and
- h. observations on specific management strategies necessary to achieve acceptance requirements.

# **1.3 Reporting Requirements**

The owner will provide the Village with notification 24-hours prior to the start of planting installation. Following substantial completion, the owner will document that natural area landscape revegetation has been completed. Nursery packing lists indicating the species and quantities of materials installed will accompany this notice.

In addition, the owner (or their designated representative) will submit an annual monitoring report to the Village of Orland Park by February 28th of the following year evaluating the progress of the naturalized landscape toward design goals. The report will contain a location map, a summary of annual monitoring observations, a description of management performed during the year, a tabular summary of annual progress relative to acceptance standards, and a list of recommendations for management during the upcoming year.

# **1.4** Acceptance Requirements

Satisfactory landscape development associated with naturalized vegetation in the stormwater facility will be based on the following items. The attainment of these items is expected to result in acceptance of the landscape improvement by the Village of Orland Park.

- Within three months of seed installation (or three months after the start of the growing season following dormant seeding), at least 90 percent of the seeded area, as measured by aerial cover, will be vegetated or otherwise stabilized against erosion.
- Naturalized landscapes shall have more than one square-meter devoid of vegetation, as measured by aerial coverage
- Seeded areas shall have no rills or gullies greater than four inches wide by four inches deep, and basin shorelines shall not have more than six inches of cut as a result of erosion.
- Areas seeded to turfgrass or low-maintenance turf shall have 95 percent ground cover.
- Emergent areas shall have minimum of 35 percent ground cover (avg. 50 percent) and other wetland and prairie areas shall have a minimum of 35 percent ground cover (avg. 60 percent) by species in the approved plant list and/or native species with native coefficient of conservation (C-) values 2 (per Swink and Wilhelm 1994 or more current version).
- Naturalized landscapes shall have a minimum of 30 percent presence by species seeded or planted for the permanent matrix and/or native species with C-value 2 (per Swink and Wilhelm 1994 or more current version).
- Installed woody materials shall be alive, in healthy condition, and representative of the species.
- No more than 25 percent of any specific plant community shall be individually or collectively dominated by non-native or weedy species.
- None of the three-most dominant species may be non-native or weedy, including but not limited to Canada thistle (Cirsium arvense), common reed (Phragmites australis), reed canarygrass (Phalaris arundinacea), sweetclover (Melilotus spp.), Kentucky bluegrass (Poa pratensis), purple loosestrife (Lythrum salicaria), barnyard grass (Echinochloa crus-galli) or sandbar willow (Salix interior) unless otherwise indicated on the approved planting plan.
- Cattails (*Typha* spp.) do not count towards the 25 percent weed criterion provided they represent no more than 20 percent cover.

Although not acceptance requirements, the following milestones will be assessed for Year 2 natural landscape development to help determine the need for and level of management appropriate to achieve Year 3 landscape acceptance:

- Minimum ground cover of 25 percent by species in the approved plant list and/or native species with C-value 2.
- Minimum presence of 20 percent by species seeded or planted for the permanent matrix and/or native species with C-value 2.

### **SECTION 2.0** NEAR-TERM MANAGEMENT FOR NATURALIZED LANDSCAPES

Near-term (i.e., three-year) management for naturalized landscapes associated with the Midwest Animal Hospital development will involve monitoring and management to promote germination and establishment of desired plants. The following is a near-term maintenance plan for naturalized landscapes associated with the development.

# 2.1 Near-term Management Tasks

For several years after installation, naturalized landscapes will be managed on a regular basis to ensure successful establishment. Site characteristics influence how management and maintenance techniques are implemented. Vegetation management actions may differ from the tasks and frequencies indicated below based on specific recommendations from a Village-approved native landscape restoration specialist.

# **2.1.1Undesirable Plant Control**

The owner acknowledges that it is best to perform corrective actions for vegetation management early in the revegetation effort. Aggressive and/or non-native species will be managed such that their presence and density does not threaten the attainment of acceptance requirements.

Depending on the type of plant being targeted, control of undesirable plant species may involve removing all above-ground and below-ground stems, roots, and flower masses prior to development of seeds. Weeding practices will avoid damaging the native plantings and be timed to prevent development of weed seeds. The ability to differentiate between weeds and native seedlings is important. Plants may be left untreated until they can be positively identified.

Various means of weed control will be employed, as appropriate, and may include mechanical control, chemical control, and/or biological control.

*Mechanical Control:* Mechanical control of nuisance plant species typically includes cutting, mowing and/or the digging up individual plants by hand. In many cases, cutting or mowing a plant before its seeds mature will minimize further spread. Cutting or mowing close to the ground surface with a weed-eater or hand-scythe can be an effective means of control for species such as sweet clover, various thistles, and ragweed. For general mowing of swaths of vegetation, mowers will be set to a height of 12+ inches above the ground surface or to a height that treats weedy species yet minimizes impacts on desirable plants.

more weeds.)

*Chemical Control:* When employed in conjunction with prescribed burning and mechanical control, the judicious use of herbicides can be an important component of management programs for controlling weeds. Some weeds such as purple loosestrife, buckthorn (*Rhamnus* spp.) and honeysuckle (Lonicera spp.), reed canarygrass, common reed, sandbar willow, and cattails are controlled more effectively by chemical treatment than by most mechanical control measures.

For aggressive weeds, an appropriate herbicide will be applied. Because of the potential for damage to native plant communities, the use of preventative herbicides will be limited to problem areas and problem species for which manual control is ineffective. Aquatic herbicides will not be used to treat algal blooms.

Glyphosate herbicide (trade names Rodeo or Roundup) is often recommended for use in naturalized landscape areas. Other herbicides such as Transline, Plateau, and Garlon are also used. The application of herbicides will be performed only by persons licensed or certified in the State of Illinois for pesticide/herbicide application. Herbicide use will be in strict compliance with all application rates, procedures, warning labels and applicable codes, standards and best management practices.

Generally, wick application will be preferred over spray application, which is less selective. Wicking applies herbicide only to individual plants, using a canvas-covered, perforated, chemical filled PVC pipe. Trained personnel walk the area, swinging the eight foot pipe from side to side above the native plants but deliberately striking invasive species. The pipe strikes and bends the weeds, smearing them with the chemical and destroying them within a few days. If used, spray applications will not occur on gusty days because non-target species could be affected.

*Biological Control:* An alternative to chemical treatment, use of biological controls for purple loosestrife will be considered provided site conditions are appropriate to support and maintain the insect population. Through this method, host-specific insects (one a root infesting weevil; others are leaf-eating chrysomelid beetles) are released to feed on the roots or leaves of purple loosestrife. If purple loosestrife becomes abundant, biological control can prove a cost-effective means of management.

# 2.1.2 Wildlife Management

It is generally accepted that the long-term use of even the most benign pesticides has effects on wildlife that are still only barely researched. Therefore, pesticides will not be used broadly or routinely at the mitigation site other than for mosquito abatement (should that be necessary). Pesticides will be used only for specific and localized problem areas as determined by a native landscape restoration specialist with experience in installation and development of native plant communities, should such areas occur. Standard application procedures and precautions for chemical application in wetland areas will be followed.

Control of nuisance species such as geese and ducks, which often forage on young emergent wetland plants, may be performed if monitoring indicates such species are responsible for poor plant establishment and performance. The method will be determined by a native landscape restoration specialist.

For species such as common reed, purple loosestrife, Canada thistle, and reed canarygrass, mowing actually encourages the spread of underground stems. Hand digging these species and woody undesirables such as multiflora rose can result in control if there are fewer than 100 plants throughout the entire site. Where more than 100 individuals of such plants are present, chemical control will be the primary method of control. (Note: Pulling and digging out weeds generally is discouraged because the soil disturbance can uproot desirable plants and encourage the growth of

# 2.1.3Debris Management

Debris (e.g., paper, plastic, metal, concrete, etc.) will be removed from the month between March and November. Debris will be disposed of at an app receptacle or hauled to an approved dump site.

# 2.1.4Fertilizer Application

For ecological reasons, a conservative approach to the application of fertiliz management chemicals will not be used within areas of naturalized planting prescribed by and per the direction of a native landscape restoration special will be taken to not apply fertilizers when inclement weather is forecast.

# 2.2 Schedule of Near-term Management Activities

The following text provides a general schedule of management and maintenance establishment of naturalized landscapes. The actual schedule and tasks performe differ from those indicated based on specific recommendations from a natural lar specialist.

## 2.2.1 Typical First-Year Management Actions

To prevent weed seed development, mowing to a height of 6 inches will be reaches a height of 12 inches. (Note: Weekly mowing at turf lawn height mowing too often can set-back native planting development.) A rotary or t used to finely chop the cut material. If clippings shade the ground or smoth they will be bagged for off-site disposal or otherwise dispersed. The last me vegetation can grow to a height of eight to 10 inches before winter.

Weeding practices will avoid damaging the native plantings and be timed to weed seeds. For aggressive weeds, herbicide will be selectively applied (e. spraving). Turf management chemicals will not be used on native plantings Village-approved landscape restoration specialist.

Debris and litter (e.g., paper, plastic, metal, concrete, grass clippings, brush, every other month between 1 March to 31 October to prevent floating mater outlet. Debris will be disposed of at an appropriate off-site trash receptacle.

Other potential responsibilities may include, but are not limited to, access reinsect/pest control, erosion repairs, and wildlife management (e.g., control etc. as needed). The need for other management actions will be determined performing general maintenance visits for dam embankments and control st

# 2.2.2 Typical Second-Year Management Actions

During the second growing season, the seeded area will be mowed as close early spring and the cuttings raked or bagged. If annual weeds remain a prowill be performed during mid- to late June, with the mow height set to 12 in

Weed management will emphasize control of biennial and perennial weeds. for control include sweetclovers (Melilotus spp), Queen Anne's lace (Daucu (Dipsacus spp.). Proper weed control may require multiple treatments and that will provide maximum treatment effectiveness.

Other management practices will include debris and litter removal, access r erosion control and repairs (as needed). Additional management tasks may reseeding/replanting in targeted areas, wildlife management as determined there is sufficient fuel, a prescribed burn may be attempted at the end of the provided proper permits from the Illinois Environmental Protection Agency provided to the Village and local authorities.

### 2.2.3 Typical Third-Year Management Actions

Typical management in the third growing season will involve the use of prewith mechanical and chemical methods for controlling aggressive biennial a

A permit will be obtained from the Illinois Environmental Protection Agence prescribed burn. The burn will occur between mid-October and April as we permit. Prior to conducting a prescribed burn, notice must be provided to th authorities. If prescribed burning is not practical, mowing in late fall or ver substituted for burning. The burn-replacement mow will be done at a heigh material bagged for off-site disposal.

As in the first two years, management of aggressive weeds will continue. Ot practices will include debris and litter removal, access restriction enforcement and repairs (as needed). Additional management tasks may include insect/ reseeding/replanting in targeted areas, wildlife management as determined performing general maintenance visits for dam embankments and control s

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developed area every other propriate off-site trash			
zers will be taken. Turf gs unless specifically list. If used, special care			2 - 14 7 - 14 - 15 8 - 15 ? - 15 15
e tasks for installation and ed in any given year may ndscape restoration			10-0 1-10 1
performed when vegetation will <b>NOT</b> be performed, as flail-type mower will be her the remaining plants, how will be timed so that			REVISION: 5.5.0 5.5.0 5.5.0 5.5.0 7.5.0
o prevent development of g., wick application, not s except as directed by a			enance
estriction enforcement,			Mainte
of carp, muskrats, geese, I on a quarterly basis when tructures.			oring & pital E>
to the ground as possible in oblem, an additional mow nches.			Aonit I Hos nois
will be performed at times			ea - N nima rk, Illi
restriction enforcement, and r include insect/pest control, on a quarterly basis. If e second growing season, y are obtained and notice is			Vatural Are Vidwest A Drland Pai
escribed fire in combination and perennial weeds.			May 1423 1423
cy prior to conducting a eather and site conditions he Village and local ry early spring will be ht of two inches, with cut			Site Services, LJ Site Services, LJ 23 W. Lincoln High Frankfort, Illinois 60 7400 F:(815) 469-7
ther management ent, and erosion control pest control, on a quarterly basis when structures.			B2 B2 F1 F1 F1 F1 F1 F1 F1 F1 F1 F1 F1 F1 F1
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	CALL JULIE TOLL FREE 1(800)892–0123 OPERATES 24 HOURS A DAY 365 DAYS A YEAR	This Drawing is the $Prc$	PREPARED FOR RWE LOCATION: Orland Park, IL DATE: 7-3-14
	WARNING WARNING CALL BEFORE YOU DIG CALL 1(800)892-0123 48 HOURS BEFORE YOU DIG	© 2014 Copyright.	SHEET L-5



		TREE SIZE	CONDITION	COMMENTS	Replacement Reg.
s	Thomless Honeylocust	6"	Good	To Remain in Place	0
5	Thomless Honeylocust	5"	Good	To Remain in Place	0
	Red Maple	6"	Good	To Remain in Place	0
3	Thomless Honeylocust	4"	Good	To Remain in Place	0
	Red Maple	8"	Good	To Remain in Place	0
	Littleleaf Linden	6"	Good	To Remain in Place	0
3	Thomless Honeylocust	8"	Good	To Remain in Place	0
	River Birch (Multi-trunk)	6"/ 8"	Fair	Relocate On Site	0
	River Birch (Multi-trunk)	4"/4"/5"	Fair	Relocate On Site	0
	Littleleaf Linden	8"	Good	Relocate On Site	0
	Littleleaf Linden	3"	Good	Relocate On Site	0
	Littleleaf Linden	6"	Good	Relocate On Site	0
	Littleleaf Linden	8"	Good	Relocate On Site	0
	Blue Spruce	6"	Good	Relocate On Site	0
	Austrian Pine	12"	Good	Relocate On Site	0
S	Thomless Honeylocust	8"	Good	Relocate On Site	0
	Austrian Pine	10"	Good	Relocate On Site	0
	Colorado Green Spruce	6"	Good	Relocate On Site	0
	Austrian Pine	10"	Good	Relocate On Site	0
;	Thomless Honeylocust	8"	Good	To Remain in Place	0
	Blue Spruce	6"	Good	To Remain in Place	0
	Blue Spruce	6"	Good	To Remain in Place	0
	Blue Spruce	6"	Good	To Remain in Place	0
	American Linden	6"	Good	To Remain in Place	0
	Austrian Pine	8"	Good	To Remain in Place	0
	Freeman Maple	8"	Good	To Remain in Place	0
;	Thomless Honeylocust	7"	Fair	To Remain in Place	0
	American Linden	8"	Good	To Remain in Place	0
	Colorado Green Spruce	4"	Good	To Remain in Place	0
	Colorado Green Spruce	4"	Good	To Remain in Place	0
	Freeman Maple	8"	Good	To Remain in Place	0
	American Linden	5"	Good	To Remain in Place	0
	Cottonwood	15"	Good	To Remain in Place	0
	Cottonwood	20"	Good	To Remain in Place	0
	Cottonwood	15"	Fair	To Be Removed	(2) 4" Cal. Trees
	Cottonwood	5"	Good	To Be Removed	(1) 4" Cal. Trees
	Cottonwood	8"	Good	To Be Removed	(1) 4" Cal. Trees
	Cottonwood	8"	Good	To Remain in Place	0
	Cottonwood	6"	Good	To Be Removed	(1) 4" Cal. Trees
	Cottonwood	6"	Good	To Be Removed	(1) 4" Cal. Trees
	Cottonwood	8"	Good	To Remain in Place	0
	Cottonwood (Multi-trunk)	10"/12"	Fair	To Remain in Place	0
	Cottonwood	4"	Good	To Remain in Place	0
		Total	Number of M	litigation Trees Required	(6) 4" Cal. Trees

	.5.G.       11-07-14         .5.G.       1-16-15         .5.G.       3-6-15         .5.G.       4-28-15         .5.G.       5-12-15				
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	se Preservation Plan Iwest Animal Hospital Expans and Park, Illinois				
	Emerand       Transformer         Site Services, LLC       Mic         Site Services, LLC       Mic         8223 W. Lincoln Highway       Pic         Frankfort, Illinois 60423       Orl         P:(815) 469-7413       Orl				
rty of Emerald Site Services, LLC	SCALE: 1" = 20' COMPUTER NAME: Lplan JOB NUMBER: ESS_				
yright. This Drawing is the Proper	PREPARED FOR: RME LOCATION: Orland Park, IL DATE: 7-3-14				
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