

TREE SURVEY TABLE

		dbh	
Total (Healthy) dbh		2552	
Total (Healthy) Non-		70	
Protected dbh		79	
Dead Tree dbh		10	
Total (Healthy) Heritage/Quality dbh		1,917	
Required Preservation (30%)		575.1	
Provided Heritage/Quality Preservation dbh:		906	
Required Preservation dbh Achieved?		Yes	
F	rotected Tre	es Removed	
Туре	dbh	Replacement	Calculated
	Removed	Ratio	DBH
Heritage	861	2.5:1	2152.5
Quality	150	2:1	300
Subtotal			2452.5
	Trees	Replacement	Calculated
	Removed	Ratio	DBH
Secondary	51	4":1 tree	204
Total			2656.5
Preliminary Mitigatio		40% Reduction	1593.9
	Trees Pre	eserved	T
	dbh		Preservation
Туре	Preserved		Credit
Type Landmark in DIA	Preserved 0	4:1	
		4:1	C
Landmark in DIA	0		2394
Landmark in DIA Heritage in DIA	0 798	3:1	239 ²
Landmark in DIA Heritage in DIA Quality in DIA	798 108	3:1 2:1	239 ² 216 42.5
Landmark in DIA Heritage in DIA Quality in DIA Secondary in DIA	0 798 108 85	3:1 2:1 0.5:1	2394 216 42.5 0

*Note: Secondary preservation credit cannot exceed 50% of the dbh of preserved protected trees. The formula will not return a result for "Secondary Preservation Credit" that is higher than permitted.

TREE PROTECTION NOTES

- ALL TREES SHOWN ON THIS PLAN TO BE RETAINED SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING;
 TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO CITY STANDARDS FOR TREE PROTECTION, INCLUDING TYPES OF FENCING AND SIGNAGE;
 TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION
- PROJECT;
 4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD—UP WITHIN TREE DRIPLINES OR ROOT DAMAGE;
- TREE DRIPLINES OR ROOT DAMAGE;

 5. FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES
 LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR
 CRZ, WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE
- CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 5.1. SOIL COMPACTION IN ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL;
 5.2. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 3 INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY
- BY MECHANICAL EQUIPMENT; AND, OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, FIRES, AND ANCHORING TO TREE TRUNK.

 6. EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIPLINES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:

 6.1. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL; WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSE TRAN EIGHT FEET (8") TO THE

THE CITY URBAN FORESTER; WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS

- BUILDINGS, ERECT THE FENCE NO CLOSER THAN EIGHT FEET (8") TO THE BUILDING; WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN FIVE FEET (5") TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED WITH STRAPPED—ON PLANKING TO A HEIGHT OF EIGHT FEET (8")—OR TO THE LIMITS OF LOWER BRANCHING—IN ADDITION TO THE REDUCED FENCING PROVIDED; WHERE ANY OF THE ABOVE EXCEPTION RESULTS IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHALL BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION;
- ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA;
 ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY LIGHT TOP SOIL WITHIN 24 HOURS. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 24 HOURS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZED WATER LOSS DUE TO EVAPORATION;
 PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES
- WITH A TRENCHING MACHINE OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS;

 10. ALL TREES IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OR HOT, DRY WEATHER. TREE CROWNS ARE TO
- ONCE A WEEK DURING PERIODS OR HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES;

 11. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF THE TREE USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF
- LIME INTO THE ROOT ZONE;

 12. INSTALLATION OF LANDSCAPE IRRIGATION WITHIN THE CRZ OF PROTECTED TREES SHALL BE INSTALLED BY HAND DIGGING WITH NO ROOT OVER 1"IN DIAMETER BEING CUT;

 13. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN THREE INCHES (3") SHALL

BE PERMITTED WITHIN THE DRIPLINE OR CRZ, WHICHEVER IS GREATÈR, OF

TREES. NO TOPSOIL OR MULCH IS PERMITTED ON ROOT FLARES OF ANY TREE;

14. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO STANDARDS AS OUTLINED IN AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATION –TREE SHRUB AND OTHER WOODY PLANT MAINTENANCE –STANDARD PRACTICE (ANSI R300–1995);

15. THE CITY URBAN FORESTER HAS THE AUTHORITY TO REQUIRE ADDITIONAL TREE PROTECTION BEFORE OR DURING CONSTRUCTION; AND, TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED. SEE SECTION 3.4.3 OF THIS MANUAL FOR APPROPRIATE

REMOVAL METHODS. DEVIATIONS FROM THE ABOVE MAY BE CONSIDERED

VIOLATIONS IF THERE IS SUBSTANTIAL NONCOMPLIANCE OR IF A TREE SUSTAINS

PRE-CONSTRUCTION MEETING

DAMAGE AS A RESULT.

THE DEMOLITION, GRADING AND UNDERGROUND CONTRACTORS, CONSTRUCTION SUPERINTENDENT AND OTHER PERTINENT PERSONNEL ARE REQUIRED TO MEET WITH THE CITY URBAN FORESTER PRIOR TO BEGINNING WORK TO REVIEW PROCEDURES, TREE PROTECTION MEASURES AND TO ESTABLISH HAUL ROUTES, STAGING AREAS, CONTACTS, WATERING, ETC.

PRE—CLEARING CONFERENCE

AFTER FINAL PLAT APPROVAL, INCLUDING AMENDED PLATS, REPLATS OR SITE PLANS, BUT PRIOR TO ANY CLEARING OR GRADING, A TREE PROTECTION MANAGEMENT CONFERENCE SHALL TAKE PLACE TO REVIEW PROCEDURES FOR PROTECTION AND MANAGEMENT OF ALL TREE PROTECTION ELEMENTS.

FIELD INSPECTIONS:

PRIOR TO THE APPROVAL OF REMOVAL OF ANY TREES, THE APPLICANT SHALL MARK ALL TREES TO BE PRESERVED AND NOTIFY THE CITY URBAN FORESTER OF THE MARKINGS. THE CITY URBAN FORESTER SHALL INSPECT AND VERIFY THE MARKING NOT TO EXCEED A TWO WEEK PERIOD. PRIOR TO THE COMMENCEMENT OF GRADING, ALL TREE MARKINGS, PROTECTIVE FENCING AS DESCRIBED WITHIN THIS MANUAL, MUST BE INSTALLED BY THE DEVELOPER AND MUST BE INSPECTED BY THE CITY URBAN FORESTER. A STOP—WORK ORDER MAY BE ISSUED BY THE CITY URBAN FORESTER IF THE TREE PRESERVATION REQUIREMENTS ARE NOT BEING MET. EFFORTS WILL BE MADE TO ALLOW COMPLIANCE BEFORE THE PROJECT IS SHUT DOWN. VERIFICATION OF TREE PROTECTION A QUALIFIED PROFESSIONAL SHALL VERIFY, IN WRITING, THAT ALL PRE—CONSTRUCTION CONDITIONS HAVE BEEN MET (TREE FENCING, PRUNING, ETC.) AND ARE IN PLACE. WRITTEN VERIFICATION MUST BE SUBMITTED TO AND APPROVED BY THE CITY URBAN FORESTER BEFORE DEMOLITION OR GRADING BEGINS.

LANDSCAPE ARCHITECT/ARBORIST STATEMENT

"I <u>AMY LONDON</u> BEING A LANDSCAPE ARCHITECT OR ARBORIST ATTEST THAT THE IDENTIFICATION AND SIZE OF TREES IDENTIFIED ON THIS SURVEY ARE CORRECT AND THAT ALL PROTECTED TREES HAVE BEEN SHOWN."



TREE TRIMMING AND REMOVAL NOTES

- 1. STANDARD TREE TRIMMING IS RECOMMENDED WHERE AESTHETIC CONSIDERATIONS ARE SECONDARY TO STRUCTURAL ENHANCEMENT AND TREE HEALTH CONCERNS. STANDARD TREE TRIMMING CONSISTS OF THE REMOVAL OF DEAD, DYING, DISEASED, DECAYING, INTERFERING, OBJECTIONABLE, OBSTRUCTING, AND WEAK BRANCHES, AS WELL AS SELECTIVE THINNING TO LESSEN WIND RESISTANCE. IT ALSO INCLUDES CLEARANCE FROM STRUCTURES AND LIFTING THE CANOPY TO PROVIDE CLEARANCE IN WALKWAYS (8 FOOT CLEARANCE)
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE OWNER'S REPRESENTATIVE OF ANY CONDITION FOUND ON SITE WHICH PROHIBITS MITIGATION OR REMOVAL AS SHOWN ON THESE PLANS.
- 3. NO CHANGES SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM THE PROJECT LANDSCAPE ARCHITECT OR THE OWNER.
- TREE PLANTING PITS SHALL BE BACKFILLED WITH TOP SOIL, AND CLEARED OF ALL ROCKS, LUMPS OF CLAY AND OTHER FOREIGN MATERIAL.

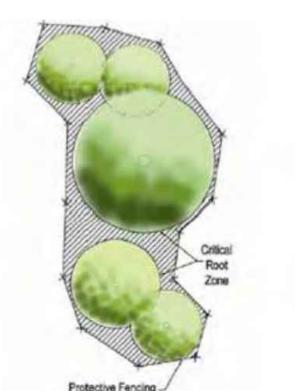
5. TREES OVERHANGING PUBLIC STREET PAVEMENT, DRIVE AISLES AND FIRE LANES SHALL HAVE A MINIMUM CLEAR TRUNK HEIGHT OF 14

FEET FROM FINISH SURFACE OF STREET PAVEMENT.

6. SITE TO BE LEFT CLEAN OF ALL DEBRIS AND ALL TREES REMOVED SHALL BE HAULED OFF.







DURING CONSTRUCTION.

2. NO CONSTRUCTION
TRAFFIC, GRADING,
STORAGE, OR WASTE
DISPOSAL ALLOWED WITHIN
THE FENCED AREA
AROUND TREES.

1. FENCE TO BE MAINTAINED

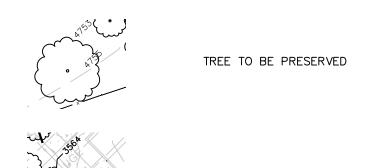
AND REPAIRED AS NEEDED



Protective fencing for multiple trees

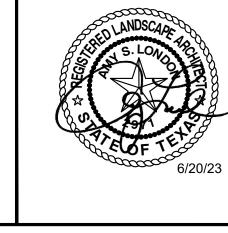
TREE PROTECTION DETAIL

LEGEND



NOTE: SEE SHEET TR1.01 FOR LIST OF TREES TO BE REMOVED

TREE TO BE REMOVED



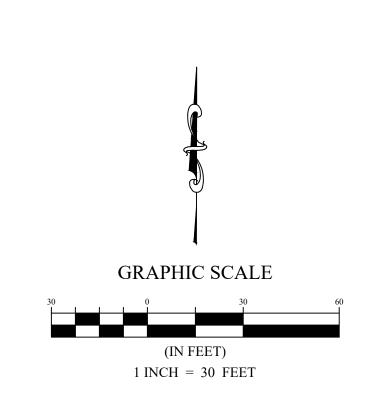
PROJE	ECT NUME	BER: MAG22	
PROJE	ECT MAN	AGER: ASL	
DRAW	N BY:	ASL	
CHEC	KED BY:	LJL	
ISSUE	DATE:	6/20/23	
REV.	DATE	DESCRIP.	BY
SHEE	T CONTE	NT:	
I			

TREE PRESERVATION PLAN

SHEET NO:

TR1.00

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PRESERVATION PLAN COMPLETED BY
LONDON LANDSCAPES, LLC
AMY LONDON, RLA #2971

972.800.0676

SURVEY COMPLETED BY:
LON WHITTEN, RPLS
TBPE #F-2759, TBPLS #10088000
MMA, APRIL 2022
519 EAST BOLDER STREET
ARLINGTON, TEXAS 76010

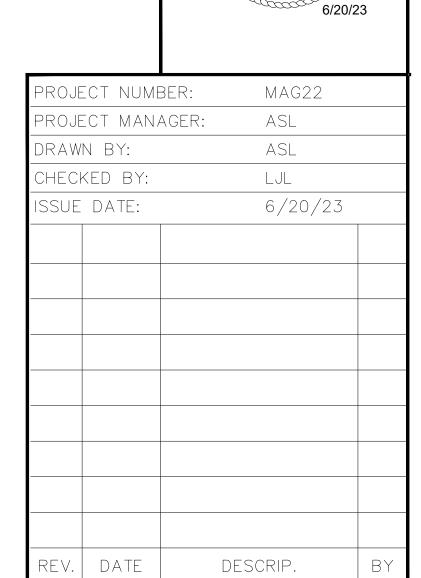
817.469.1671

Tree Number	Common Name of Tree	, ,	Landmark Tree Circumference (Inch)	Diameter (dbh)	Cluster***:	Status: Healthy or Dead /Diseased	Notes:		• 1	Site Location**
XXXX	Example: Texas Ash	xx	xx -	XX .	•	Healthy	Tree compromised by Emerald Ash Borer	Quality	Remove	DIA
495 496	HACKBERRY HACKBERRY			7 9		Healthy Healthy		,		DIA DIA
499	POST OAK			11		Healthy		Heritage	Remove	DIA
3501 3502	POST OAK POST OAK MULTI			9 12		Healthy Healthy		Ü	REMOVE	DIA DIA
3503 3504	POST OAK POST OAK			8 14		Healthy Healthy				DIA DIA
3505 3506	HACKBERRY HACKBERRY			9 10		Healthy Healthy		•		DIA DIA
3507	POST OAK			9		Healthy		Heritage	PRESERVE	DIA
3508 3509	POST OAK POST OAK			9		Healthy Healthy				DIA DIA
3510 3511	POST OAK POST OAK			10 12		Healthy Healthy				DIA DIA
3512 3513	POST OAK POST OAK			8 11		Healthy Healthy				DIA DIA
3514	POST OAK			7		Healthy		Heritage	REMOVE	DIA
3515 3516	POST OAK POST OAK			7		Healthy Healthy				DIA DIA
3517 3518	POST OAK MULTI POST OAK			17 6		Healthy Healthy				DIA DIA
3519	POST OAK			8		Healthy				DIA
3520 3521	POST OAK POST OAK			10 11		Healthy Healthy				DIA DIA
3522	POST OAK			6		Healthy				DIA
3523	POST OAK			7		Healthy		Heritage	REMOVE	DIA
								-		
3524 3525	HACKBERRY POST OAK			6 7		Healthy Healthy				DIA DIA
3526 3527	POST OAK POST OAK			6 9		Healthy Healthy		Heritage	REMOVE	DIA DIA
3528	POST OAK			7		Healthy		Heritage	REMOVE	DIA
3529 3530	POST OAK POST OAK			6 8		Healthy Healthy		Heritage	REMOVE	DIA
3531 3532	POST OAK POST OAK			7		Healthy Healthy		-		DIA DIA
3533	POST OAK MUUTI			10		Healthy		Heritage		DIA
3534	POST OAK MULTI			11		Healthy		Ū		DIA
3535 3536	POST OAK MULTI POST OAK MULTI			11 13		Healthy Healthy				DIA DIA
3537 3538	POST OAK POST OAK			15 7		Healthy Healthy				DIA DIA
3539	POST OAK			12		Healthy		Heritage	REMOVE	DIA
3540 3541	POST OAK MULTI HACKBERRY MULTI			19 8		Healthy Healthy				DIA DIA
3542 3543	HACKBERRY MULTI AMERICAN ELM			15 17		Healthy Healthy				DIA DIA
3544 3545	HACKBERRY HACKBERRY MULT			6 23		Healthy Healthy		Secondary		DIA DIA
3546	HACKBERRY			11		Healthy		Secondary	REMOVE	DIA
3547 3548	PECAN MULTI POST OAK			12 8		Healthy Healthy		•	REMOVE	DIA DIA
3549 3550	HACKBERRY MULTI AMERICAN ELM			16 19		Healthy Healthy				DIA DIA
3551 3552	HACKBERRY POST OAK			7 9		Healthy Healthy		•		DIA DIA
3553 3554	POST OAK HACKBERRY MULTI			8 8		Healthy Healthy		Heritage	REMOVE	DIA DIA
3555	POST OAK			13		Healthy		Heritage	REMOVE	DIA
3556 3557	HACKBERRY POST OAK			6 11		Healthy Healthy		Heritage	REMOVE	DIA DIA
3558 3559	POST OAK POST OAK			13 7		Healthy Healthy		-		DIA DIA
3560 3561	POST OAK POST OAK			8		Healthy Healthy				DIA DIA
3562 3563	POST OAK POST OAK			6 12		Healthy Healthy		Heritage		DIA DIA
3564	POST OAK			8		Healthy		Heritage	Remove	DIA DIA
3565 3566	POST OAK POST OAK MULTI			7 12		Healthy Healthy		Heritage	Remove	DIA
3567 3568	POST OAK POST OAK MULTI			7 15		Healthy Healthy				DIA DIA
3569 3570	POST OAK MULTI POST OAK MULTI			11 8		Healthy Healthy		-		DIA DIA
3571 3572	POST OAK POST OAK			6 9		Healthy Healthy				DIA DIA
3573	POST OAK			9 7		Healthy		Heritage	Remove	DIA DIA
3574 3575	POST OAK POST OAK			9		Healthy Healthy		Heritage	PRESERVE	DIA
3576 3577	POST OAK MULTI HACKBERRY MULTI			15 10		Healthy Healthy		Secondary	PRESERVE	DIA DIA
3578 3579	POST OAK POST OAK			17 17		Healthy Healthy				DIA DIA
3580 3581	POST OAK POST OAK			14 14		Healthy Healthy		Heritage	PRESERVE	DIA DIA
3582 3583	HACKBERRY MULTI POST OAK			9		Healthy Healthy		Secondary	Remove	DIA DIA
3584	POST OAK			6		Healthy		Heritage	Remove	DIA
3586 3587	POST OAK POST OAK MULTI			10 17		Healthy Healthy		Heritage	Remove	DIA DIA
3588 3589	POST OAK POST OAK			9		Healthy Healthy				DIA DIA
3590 3591	POST OAK POST OAK			6		Healthy Healthy		Heritage	Preserve	DIA DIA
3592 3593	POST OAK POST OAK POST OAK			8		Healthy Healthy		Heritage	Preserve	DIA DIA
3594	POST OAK			7		Healthy		Heritage	Preserve	DIA
3595 3596	POST OAK MULTI POST OAK			16 10		Healthy Healthy		Heritage	Preserve	DIA
3597 3598	POST OAK POST OAK			10 15		Healthy Healthy		-		DIA DIA
3599 3600	POST OAK POST OAK			7		Healthy Healthy		Heritage	PRESERVE	DIA DIA
4606 4607	MULBERRY MULBERRY			8 9		Healthy Healthy		Non-protected	REMOVE	DIA DIA
4608	HACKBERRY			10		Healthy		Secondary	REMOVE	DIA
4609 4610	HACKBERRY MULBERRY MULTI			8		Healthy Healthy		Non-protected	REMOVE	DIA
4611 4612	MULBERRY MULTI MULBERRY			15 7		Healthy Healthy		Non-protected	REMOVE	DIA DIA
4613 4614	PECAN HACKBERRY			32 6		Healthy Healthy				DIA DIA
4615 4616	HACKBERRY HACKBERRY			6 12		Healthy Healthy		Secondary	REMOVE	DIA DIA
4617	PECAN			11 7		Healthy		Quality	REMOVE	DIA DIA
4618 4619	BRADFORD PEAR COTTONWOOD			8		Healthy Healthy		Secondary	Remove	DIA
4620	COTTONWOOD MULTI	<u> </u>	<u> </u>	14		Healthy		Secondary	PRESERVE	DIA

Tree Number (Common Name of Tree	Avg. Canopy Spread (sqft)	Landmark Tree Circumference (Inch)	Diameter (dbh)	Part of 3+ Tree Cluster***: Yes/blank	Status: Healthy or Dead /Diseased	Notes:	Classification*	Action: Preserve/R emove	Locatio
*	Example: Texas Ash	* XX	××	, XX			Tree compromised by Emerald Ash Borer	Quality	Remove	DIA
4621 4622	COTTONWOOD BOX ELDER			9 10		Healthy Healthy		Secondary Non-protected	REMOVE REMOVE	DIA DIA
4623 4624	PECAN HACKBERRY			8		Healthy Healthy		Quality Secondary	REMOVE REMOVE	DIA DIA
4625 4626	AMERICAN ELM HACKBERRY			12 13		Healthy Healthy		Quality Secondary	REMOVE REMOVE	DIA
4627 4628	AMERICAN ELM HACKBERRY			11 6		Healthy Healthy		Quality Secondary	REMOVE REMOVE	DIA
4629 4630	HACKBERRY POST OAK			11 10		Healthy Healthy		Secondary Heritage	REMOVE PRESERVE	DIA
4631	POST OAK			13		Healthy		Heritage	PRESERVE	DIA
4632 4633	POST OAK POST OAK			20 15		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4634 4635	HACKBERRY POST OAK			8 14		Healthy Healthy		Secondary Heritage	REMOVE REMOVE	DIA DIA
4636 4637	HACKBERRY HACKBERRY MULTI			9 12		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4638 4639	HACKBERRY POST OAK			6 19		Healthy Healthy		Secondary Heritage	REMOVE REMOVE	DIA
4640 4641	HACKBERRY POST OAK			10 22		Healthy Healthy		Secondary Heritage	REMOVE REMOVE	DIA
4642 4643	POST OAK AMERICAN ELM			10		Healthy Healthy		Heritage Quality	REMOVE REMOVE	DIA
4644	BOX ELDER			12		Healthy Healthy		Non-protected	REMOVE REMOVE	DIA
4645 4646	POST OAK POST OAK MULTI			8 15		Healthy		Heritage Heritage	REMOVE	DIA
4647 4648	POST OAK POST OAK DYING			7 10		Healthy Dead/Diseased		Heritage Non-protected	REMOVE REMOVE	DIA DIA
4649 4650	POST OAK POST OAK			7		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA DIA
4651 4652	HACKBERRY HACKBERRY			10 8		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4653 4654	HACKBERRY AMERICAN ELM			7 10		Healthy Healthy		Secondary Quality	REMOVE REMOVE	DIA DIA
4655 4656	HACKBERRY AMERICAN ELM			9		Healthy Healthy		Secondary Quality	REMOVE REMOVE	DIA
4657	HACKBERRY			9		Healthy		Secondary	REMOVE	DIA
4658 4659	HACKBERRY AMERICAN ELM			19 9		Healthy Healthy		Secondary Quality	REMOVE REMOVE	DIA DIA
4660 4661	HACKBERRY HACKBERRY			8 7		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4662 4663	HACKBERRY HACKBERRY			10		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA
4664 4665	HACKBERRY HACKBERRY			9		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4666 4667	PECAN AMERICAN ELM			9 10		Healthy Healthy		Quality Quality	REMOVE REMOVE	DIA DIA
4668 4669	PECAN PECAN			12		Healthy Healthy		Quality Quality	REMOVE REMOVE	DIA
4670 4671	AMERICAN ELM MULTI POST OAK			44		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA
4672	POST OAK			8		Healthy		Heritage	REMOVE	DIA
4673 4674	POST OAK POST OAK			8 11		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA
4675 4676	HACKBERRY HACKBERRY			8 8		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA
4677 4678	HACKBERRY HACKBERRY			9		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4679 4680	HACKBERRY HACKBERRY			10 8		Healthy Healthy		Secondary Secondary	REMOVE REMOVE	DIA DIA
4681 4682	HACKBERRY POST OAK			6 8		Healthy Healthy		Secondary Heritage	REMOVE REMOVE	DIA DIA
4683 4684	POST OAK POST OAK			11 11		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA
4687 4688	POST OAK HACKBERRY MULTI			8 16		Healthy Healthy		Heritage Secondary	REMOVE REMOVE	DIA
4689	HACKBERRY			12		Healthy		Secondary	PRESERVE	DIA
4690 4691	HACKBERRY HACKBERRY			8 8		Healthy Healthy		Secondary Secondary	PRESERVE PRESERVE	DIA
4692 4693	HACKBERRY HACKBERRY			8 9		Healthy Healthy		Secondary Secondary	PRESERVE REMOVE	DIA
4694 4695	HACKBERRY POST OAK MULTI			6 21		Healthy Healthy		Secondary Heritage	REMOVE REMOVE	DIA DIA
4696 4697	POST OAK POST OAK			8 6		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA DIA
4698 4699	POST OAK POST OAK			14 6		Healthy Healthy		Heritage Heritage	REMOVE REMOVE	DIA DIA
4700 4729	POST OAK MULTI POST OAK MULTI			14 12		Healthy Healthy		Heritage Heritage	REMOVE Remove	DIA DIA
4730 4731	POST OAK POST OAK			8 8		Healthy Healthy		Heritage Heritage	PRESERVE Preserve	DIA
4732 4733	AMERICAN ELM HACKBERRY			8		Healthy Healthy		Quality Secondary	REMOVE	DIA
4734	POST OAK			8		Healthy		Heritage	Remove Remove	DIA
4735 4736	POST OAK POST OAK			7		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4737 4738	POST OAK POST OAK			7 7		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4739 4740	CEDAR PECAN			8 6		Healthy Healthy		Quality Quality	PRESERVE PRESERVE	DIA DIA
4741 4742	POST OAK POST OAK MULTI			9 13		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4743 4744	POST OAK POST OAK			6 9		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4744 4745 4746	POST OAK POST OAK POST OAK			8 10		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4749	AMERICAN ELM			7		Healthy		Quality	Remove	DIA
4750 4751	POST OAK POST OAK			7		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4752 4753	POST OAK POST OAK			8 10		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4754 4755	POST OAK POST OAK			7 9		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4756 4757	AMERICAN ELM POST OAK			7 15		Healthy Healthy		Quality Heritage	PRESERVE PRESERVE	DIA DIA
4758 4759	POST OAK POST OAK			7 9		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4760 4761	POST OAK POST OAK			9 9		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4762 4763	POST OAK POST OAK			8 8		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4764 4765	POST OAK MULTI POST OAK MULTI			16 16		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4766	POST OAK MULTI			18		Healthy		Heritage	PRESERVE	DIA
4767 4768	POST OAK MULTI POST OAK			20		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA
4769 4770	POST OAK POST OAK MULTI			17 9		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4771 4772	POST OAK POST OAK			28 15		Healthy Healthy		Heritage Heritage	PRESERVE PRESERVE	DIA DIA
4773 4774	POST OAK AMERICAN ELM MULTI			25 12		Healthy Healthy		Heritage Quality	PRESERVE PRESERVE	DIA DIA
4775 4776	AMERICAN ELM MULTI AMERICAN ELM			16		Healthy Healthy		Quality Quality	PRESERVE PRESERVE	DIA
4777 4778	AMERICAN ELM MULTI AMERICAN ELM			11 6		Healthy Healthy		Quality Quality Quality	PRESERVE PRESERVE	DIA
4779	AMERICAN ELM MULTI			9		Healthy		Quality	PRESERVE	DIA
4780 4781	AMERICAN ELM MULTI POST OAK		+	9 11		Healthy Healthy		Quality Heritage	PRESERVE PRESERVE	DIA

Total dbh	2562.00
Total healthy dbh	2552
Total dead dbh	10
Total healthy dbh in DIA	2552
Total Healthy dbh in CE	0
Total Healthy dbh in PH	0
Total Healthy Preserved in DIA	998
Total Healthy CE Preserved dbh	O
Total Healthy PH Preserved dbh	O
Total Healthy CE/PH Preserved dbh	0
Total healthy CE Preserved 6+ dbh	O
Total healthy PH Preserved 6+ dbh	С
Total healthy CE/PH Preserved 6+ dbh	C
Total Trees Preserved dbh	998
Landmark Trees (healthy)	
Total (healthy) Count:	0
Total (healthy) Circumference:	
Heritage & Quality Trees	
(healthy)	
Total Heritage dbh in DIA:	1659
Total Heritage in CE:	0
Total Heritage in PH:	0
Total Preserved Heritage dbh in DIA:	798
Total Quality dbh in DIA:	258
Total Quality dbh in CE:	0
Total Quality dbh in PH:	0
Total Preserved Quality dbh in DIA:	108
Total Protected dbh in DIA:	1917
Total Preserved Protected dbh in DIA	906
Secondary	
(healthy)	
Total Count In DIA:	60
Total dbh in DIA:	556
Non-Protected (healthy)	
Total dbh in DIA:	79
Cluster Trees	
Total Heritage dbh Preserved :	0
Total Quality dbh Preserved:	0
Total Secondary dbh Preserved:	0
Total Preserved dbh:	O





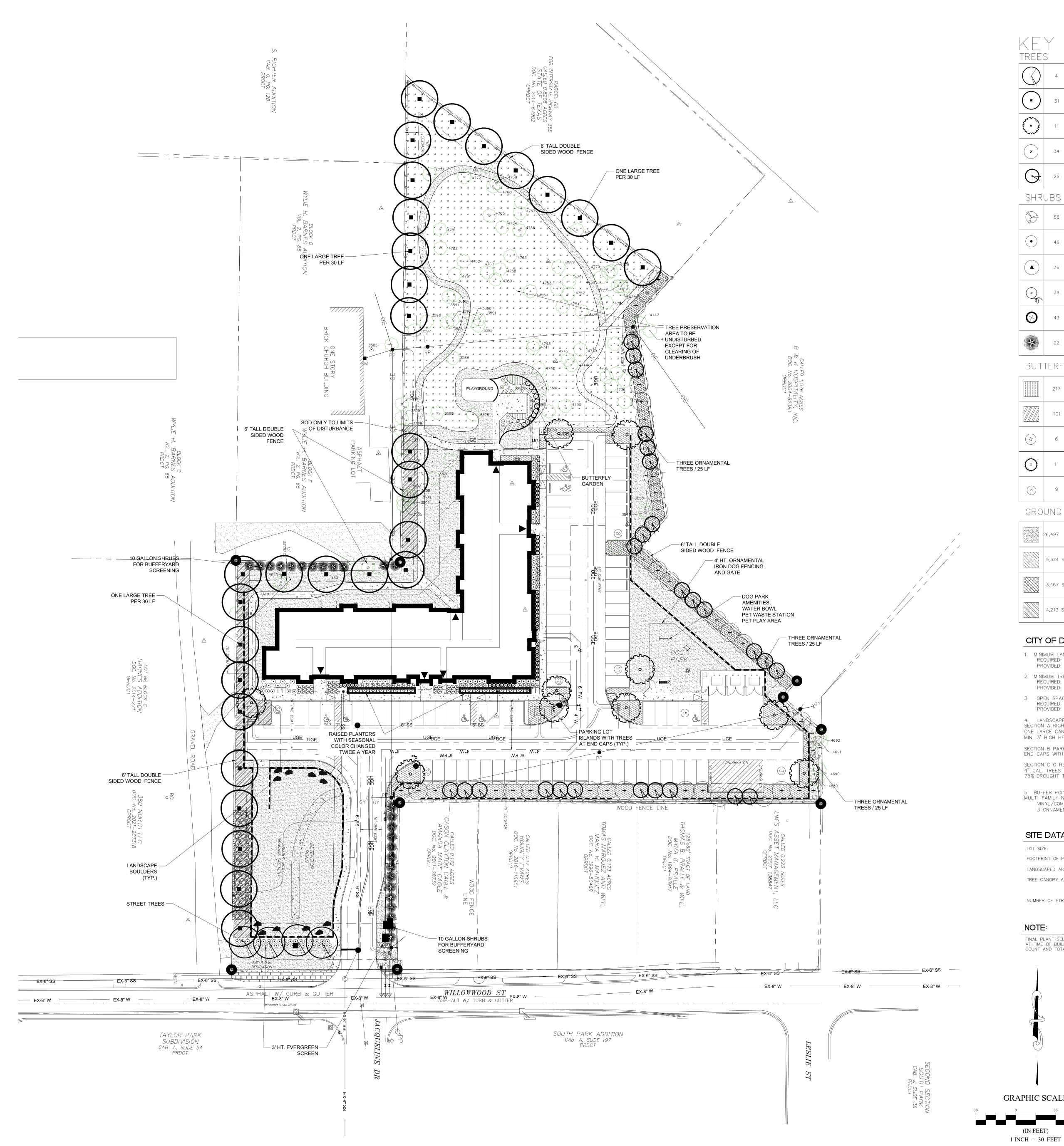
TREE PRESERVATION PLAN CONT.

SHEET NO:

SHEET CONTENT:

TR1.01

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	4	FA	Fraxinus americana	White Ash	4" Cal. Min. Cont. Grown—65 Gal 12'—15' Height, 6'—8' Spread Specimen — MATURE SPREAD 60
\overline{igodot}	31	QV	Quercus virginiana	Live Oak	4" Trunk Min. 30 Gal. Cont. Grov 12'—15' Height, 6'—8' Spread Specimen — MATURE SPREAD 50
San Carlot	11	UC	Ulmus crassifolia	Lacebark Elm	4" Cal. Min. Cont. Grown—65 Gal 12'—15' Height, 6'—8' Spread Specimen — MATURE SPREAD 50
×	34	CL	Chilopsis linearis	Desert Willow	4" Trunk Min. 30 Gal. Cont. Grov 1" Cal. Per Trunk, 4—5 Canes 8' Height, 5' Spread, Specimen
9	26	JV	Juniperus virginiana	Eastern Red Cedar	4" Trunk Min. 30 Gal. Cont. Grov 8' Height, 5' Spread, Specimen
SHR	UBS				

SHR	UBS				
	58	HES	Hesperaloe parviflora	Red Yucca	3 Gal. Minimum 18" Minimum height at planting Spaced per plan, matching
•	46	ILE	llex vomitoria	Yaupon Holly	3 Gal. Minimum 30" Minimum height at planting Spaced per plan, matching
•	36	MYR	Myrica pusilla Raf.	Wax Myrtle	3 Gal. Minimum 12" Minimum height at planting Spaced per plan, matching
п	39	LEU	Leucophyllum frutescens with Ipomoea	Texas Sage 'Purple' Sweet Potato Vine or Seasonal Alt.	3 Gal. Minimum and 4" Pots 12" Minimum height at planting In raised planters
\odot	43	PTO	Pittosporum tobira 'Wheelers Dwarf'	Dwarf Pittosporum	3 Gal. Minimum 30" Minimum height at planting Spaced per plan, matching
	22	RHU	Rhus copallinum	Flameleaf Sumac	10 Gal. Minimum 4' Ht. at Planting Spaced per plan, matching

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BUTTERFLY	GARDEN

	217	DIL	Dill Herb	Dill	4" Pots 12" On Center Matching
	101	ECH	Echinacea purpurea	Purple Cone Flower	1 Gal. Minimum 12" minimum height at planting Spaced per plan, matching
4	6	LAN	Lantana camara	Lantana	3 Gal. Minimum 12" minimum height at planting Spaced per plan, matching
0	11	BUD	Buddleia davidii	Butterfly Bush	3 Gal. Minimum 30" minimum height at planting Spaced per plan, matching
0	9	LOR	Loropetalum chinense 'Purple Diamond'	Purple Diamond Loropetalum	3 Gal. Minimum 30" minimum height at planting Spaced per plan, matching

GROUND COVER, FIELD TURF, DECOMPOSED GRANITE AND GRAVEL

26,497 SF	SOD	BERMUDA SOD	BERMUDA SOD	
5,324 SF	OJ	Ophiopogon japonicus	Mondo Grass	4" Pots 12' O.C. Specimen
3,467 SF	CAR	Carex retroflexa var. 'texensis'	Texas Sedge	
4,213 SF	DIV	Carex divulsa	Berkely Sedge	

CITY OF DENTON LANDSCAPE REQUIREMENTS

1. MINIMUM LANDSCAPE AREA REQUIRED: 25% 28,792 SF PROVIDED: 31% 44,830 SF (NOT INCLUDING PRESERVATION AREA)

2. MINIMUM TREE CANOPY REQUIRED: 45% 57,584 SF PROVIDED: 48% 69,334 SF (INCLUDING LARGE PROPOSED TREES ONLY)

3. OPEN SPACE REQUIRED: 20% 28,828 SF PROVIDED: 27% 38,361 SF

4. LANDSCAPE AREA POINT SYSTEM: (30 POINTS REQUIRED) SECTION A RIGHTS OF WAY:

ONE LARGE CANOPY TREE EVERY 40' 5 POINTS MIN. 3' HIGH HEDGE OF EVERGREEN SHRUBS 5 POINTS SECTION B PARKING LOT (MINIMUM OF 1): END CAPS WITH LARGE CANOPY TREE 5 POINTS SECTION C OTHER: 4" CAL. TREES 75% DROUGHT TOLERANT PLANTS TOTAL PROVIDED 5 POINTS 25 POINTS

5. BUFFER POINTS (20 POINTS REQUIRED) MULTI-FAMILY NEXT TO COMMERCIAL OR SINGLE FAMILY VINYL/COMPOSITE/DOUBLE SIDED WOOD FENCE 3 ORNAMENTAL TREES/25 LF OR 1 LARGE CANOPY/30 LF OR 10 GAL SHRUBS SHRUBS 10 POINTS TOTAL PROVIDED 20 POINTS

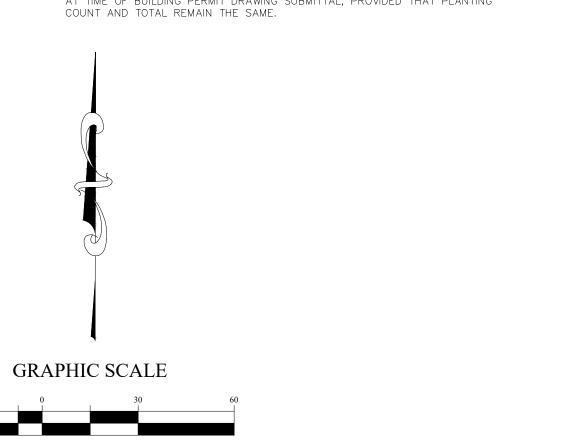
SITE DATA TABLE

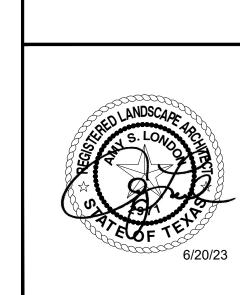
LOT SIZE: 143,960 SF FOOTPRINT OF PROPOSED BUILDINGS: 17,068 SF

LANDSCAPED AREA: 31% 44,830 SF (NOT INCLUDING PRESERVATION AREA) EXISTING CANOPY: 33,541 SF PROPOSED CANOPY: 69,334 SF TREE CANOPY AT MATURITY: TOTAL: 102,875 (71%)

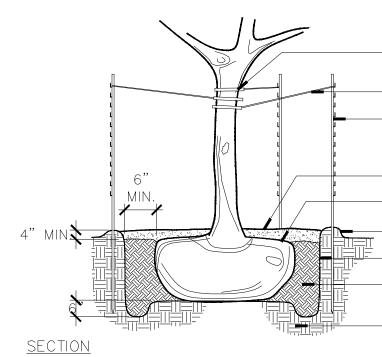
NUMBER OF STREET TREES: 4 PROVIDED

FINAL PLANT SELECTION, SPECIES AND FINAL PLANT LOCATION WILL BE DETERMINED AT TIME OF BUILDING PERMIT DRAWING SUBMITTAL, PROVIDED THAT PLANTING COUNT AND TOTAL REMAIN THE SAME.





PROJE	ect numbe	ER: MAG22	
PROJE	ECT MANAC	GER: ASL	
DRAW	N BY:	ASL	
CHEC	KED BY:	LJL	
ISSUE	DATE:	6/20/23	
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REV.	DATE	DESCRIP.	BY
	t content	SCAPE PLAN	
SHEE	T NO:	L1.00	
COPYR	RIGHT ©	LONDON LANDSCAPES	S, LL



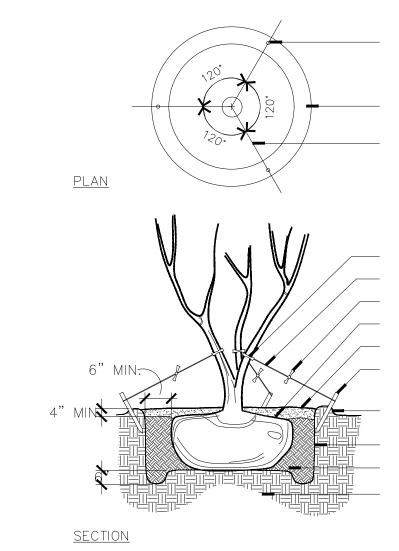
2"x2"x8' STEEL FENCE "T" POST, 3 PER TREE, SPACED EQUALLY, MATERIAL PER NOTES AND/OR SPECS. 4" EARTH SAUCER GALVANIZED GUY WIRE, ADD TURNBUCKLES IF NECESSARY TO STABILIZE TREE RUBBER CHAFING GUARD

3" ORGANIC MULCH

ROOT BALL: REMOVE BURLAP, BURLAP TIES, AND WIRE BASKET FROM TOP 1/3 OF ROOTBALL. REMOVE ALL NYLON STRINGS, PLASTIC LINERS, AND OTHER SYNTHETIC MATERIALS FROM THE ENTIRE ROOTBALL. (AS NECESSARY) PLANTING PIT EXCAVATED 12" LARGER (MIN.) THAN WIDTH OF ROOTBALL. PIT DEPTH AS NEEDED TO SET ROOTBALL COLLAR AT PROPOSED FINISHED GRADE. PLACE ROOTBALL ON SOLID SOIL AND NOT LOOSE BACKFILL. PIT BACKFILL SOIL PER SPECIFICATIONS UNDISTURBED EARTH

TREE PLANTING

FOR PRIVATE PROPERTY USE ONLY-THESE DETAILS SHALL NOT BE USED IN THE R.O.W. OR EASEMENT AREAS.



2"x2"x24" WOOD STAKE, 3 PER TREE, SPACED EQUALLY

4" EARTH SAUCER GALVANIZED GUY WIRE, ADD TURNBUCKLES IF NECESSARY TO STABILIZE TREE RUBBER CHAFING GUARD WARNING FLAGS ROOT BALL: REMOVE BURLAP, BURLAP TIES, AND WIRE BASKET FROM TOP 1/3 OF ROOTBALL. REMOVE ALL NYLON STRINGS, PLASTIC LINERS, AND OTHER SYNTHETIC MATERIALS FROM THE ENTIRE ROOTBALL. 3" ORGANIC MULCH

PLANTING PIT EXCAVATED 12" LARGER (MIN.) THAN WIDTH OF ROOTBALL. PIT DEPTH AS NEEDED TO SET ROOTBALL COLLAR AT PROPOSED FINISHED GRADE. PLACE ROOTBALL ON SOLID SOIL AND NOT LOOSE BACKFILL. PIT BACKFILL SOIL

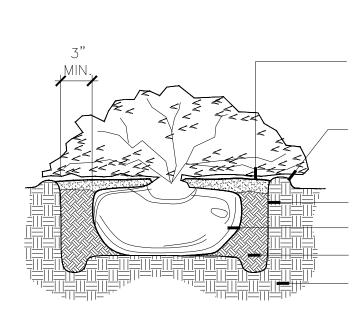
UNDISTURBED EARTH

MULTI-TRUNK TREE PLANTING N.T.S.

THESE DETAILS SHALL NOT BE USED IN

FOR PRIVATE PROPERTY USE ONLY-

THE R.O.W. OR EASEMENT AREAS.

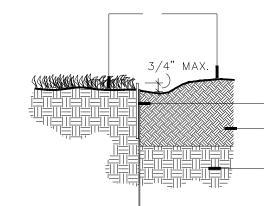


3" ORGANIC MULCH LAYER. 3" HIGH EARTH SAUCER PLANTING PIT: EXCAVATE 6" LARGER (MIN.) THAN WIDTH OF ROOTBALL, W/ PIT DEPTH AS NEEDED TO SET ROOTBALL @ PROPOSED FINISHED GRADE. PLACE ROOTBALL ON SOLID SOIL AND NOT LOOSE BACKFILL. SCARIFY SIDES OF PIT. PROVIDE CONTINUOUS PIT FOR MASSED BED ROOT BALL: REMOVE FROM CONTAINER. GENTLY SCARIFY GIRDERED ROOTS AS NEEDED. REMOVE ALL TAGS & TWINE.

PIT BACKFILL W/ PREPARED SOIL BED MIX PER SPECIFICATIONS. PROVIDE CONTINUOUS SOIL BED MIX IN MASS PLANTINGS.

UNDISTURBED EARTH

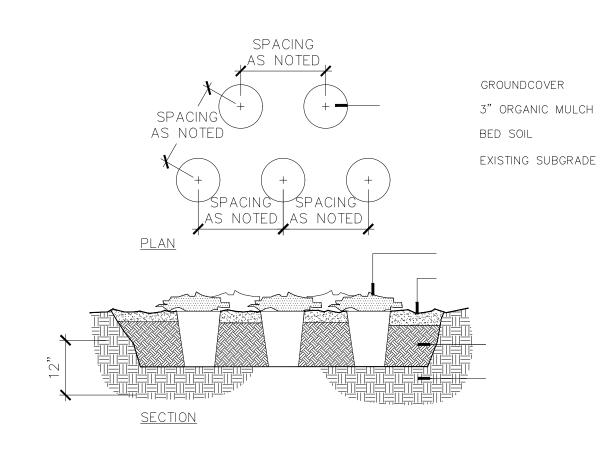
SHRUB PLANTING FOR PRIVATE PROPERTY USE ONLY-THESE DETAILS SHALL NOT BE USED IN THE R.O.W. OR EASEMENT AREAS.



DIFFERENT SURFACE TREATMENTS. STEEL EDGING BED SOIL. 6" MINIMUM DEPTH.

NATIVE SOIL

FOR PRIVATE PROPERTY USE ONLY-THESE DETAILS SHALL NOT BE USED IN THE R.O.W. OR EASEMENT AREAS.



GROUNDCOVER PLANTING

N.T.S. FOR PRIVATE PROPERTY USE ONLY— THESE DETAILS SHALL NOT BE USED IN THE R.O.W. OR EASEMENT AREAS.

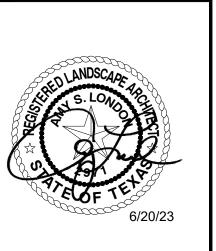
LANDSCAPE NOTES

1. Plant material shall comply with all sizing and grading standards of the latest edition of 'American Standard for Nursery Stock.'

found on site which prohibits installation as shown on these plans.

- 2. Contractor shall stake out tree locations and bed configuration for approval by owner prior to installation.
- 3. It is the responsibility of the contractor to advise the owner's representative of any condition
- 4. In the event of a discrepancy between drawings and plant schedule, the drawings shall prevail.
- 5. Locate all utilities prior to digging. Contractor shall be responsible for all damage incurred by
- 6. No substitutions shall be made without written authorization from the project Landscape Architect or the Owner.
- 7. Commercial Soil Mix: All planting beds shall be excavated to six (6") inches below finished grade by Landscape Contractor, and all debris, stone, rubbish, weeds, and topsoil shall be removed from the site. The subgrade shall then be tilled to a depth of six (6") inches and the planting bed shall be backfilled with soil compost mix as available from Living Earth Resources, Inc., Dallas, Texas, or approved equal. Upon replacement of topsoil with mix and after watering in, the bed should be at the specified level.
- 8. Existing soil shall be reasonably free of stones, lumps of clay, roots and other foreign matter. Acidity to be between 5.0 and 7.0 pH.
- 9. If rocks are encountered, remove to a depth of 4" and add 4" of friable fertile topsoil to all sodded areas. Grade according to Engineer's grading plan.
- 10. Lawn areas shall have 4" minimum friable topsoil and be treated with fertilizer applied at a rate of 20 pounds per 1,000 square feet.
- 11. All plant beds shall be top dressed with a minimum 2" of shredded hardwood mulch.
- 12. Provide beveled edge between all plant beds and lawn areas unless indicated differently on
- 13. Tree planting pits shall be backfilled with top soil, and cleared of all rocks, lumps of clay and other foreign material. Place 1" of compost and 3" of mulch on top of root ball.
- 14. Methods of tree staking indicated on the drawings are for suggestion only. The landscape contractor shall use whatever method he/she deems fit, however, he/she will be held liable for any damage caused to trees due to improper staking methods (including absence of staking), and will be responsible for adjusting and/ or replanting trees which are not held upright during the warranty period.
- 15. Trees shall be planted at least 3 feet from any utility line, curb, walk or fire hydrant, and
- 16. Trees overhanging walks and parking areas shall have a clear trunk height of 7 feet from finish surface grade.
- 17. Trees overhanging public street pavement, drive aisles and fire lanes shall have a minimum clear trunk height of 14 feet from finish surface of street pavement.
- 18. Trees planted on slopes shall be placed in planting pits of adequate depth such that the soil stain at the base of the trunk matches that of the average grade or slope.
- 19. A visibility triangle must be provided at all intersections. Shrubs are not to exceed two feet six inches in height (2'-6") in height above street grade. Trees will have a minimum clear trunk branching height of nine (9) feet.
- 20. No shrubs shall be permitted within areas less than three (3) feet in width. All such areas shall be grass or other permanent fixed material such as paving.
- 21. During the warranty period The owner, tenant, and/or their agent (if any) shall be jointly responsible for the maintenance of all landscaping. All required landscaping shall be maintained in a neat and orderly manner at all times. The work shall include — but not be limited to — mowing, edging, pruning, fertilizing, watering, weeding and other such activities common to the maintenance of landscaping. All plant materials shall be maintained in a healthy and growing condition as is appropriate for the season of the year. Plant material that is damaged, destroyed, removed, or showing more than 40% defoliation, shall be replaced with plant material of similar size and variety within thirty (30) days.
- 22. Contractor shall warranty plant material to remain alive and healthy for a period of one year after the final acceptance. Warranty shall not include damage for loss of plant material due to natural causes, acts of vandalism or negligence on the part of the owner.
- 23. Landscape areas shall be kept free of trash, litter and weeds.
- 24. All signage and fencing shall be contingent upon building inspection department approval.
- 25. An automatic irrigation system shall be provided to maintain all landscape areas. Overspray on streets and walks is prohibited. A permit from the building inspection department is required for each irrigation system.





PROJE	CT NUME	BER: MAG22	
PROJE	CT MANA	AGER: ASL	
DRAW	N BY:	ASL	
CHECK	KED BY:	LJL	
ISSUE	DATE:	6/20/23	
REV.	DATE	DESCRIP.	BY

LANDSCAPE DETAILS

SHEET NO:

L1.01

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