

EXISTING TREE LEGEND

-  EXISTING QUALITY TREE
-  EXISTING HERITAGE TREE
-  EXISTING SECONDARY TREE
-  EXISTING OFFSITE TREE
-  EXISTING TREE, TO BE REMOVED
-  EXISTING TREE, DAMAGED, TO BE REMOVED
-  ADDITIONAL TRUNK PROTECTION
-  EXISTING TREE NOT TO BE REMOVED BUT NOT COUNTED AS PRESERVED IN TREE MITIGATION CALCS.
-  TREE PROTECTION FENCING REF. DET. 1 / THIS SHEET
-  DEVELOPMENT IMPACT AREA

1. TREE SURVEY DATA COLLECTION
Name: Matthew Raabe
Profession: Registered Professional Land Surveyor
License No: 6402
Date of Survey and Data Collection: 12/21/2022
Contact Information: 940.222.3009,
mason@eaglesurveying.com, 222 South Elm Street, Suite
#200, Denton, Texas, 76201

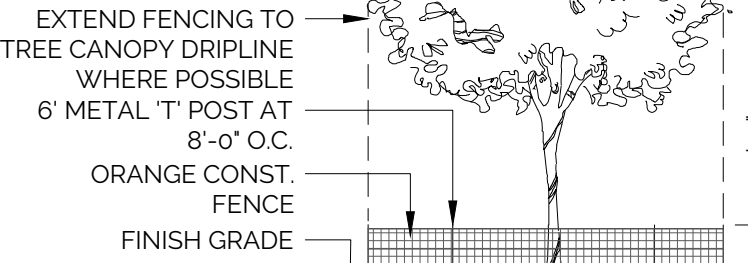
2. TREE SURVEY DATA COLLECTION
Name: Jeremy Blad
Profession: Registered Landscape Architect
License No: 2734
Date of Survey and Data Collection: 1/10/2023
Contact Information: 214.783.1715, jeremy@vq-design.com,
222 South Elm Street, Suite #102, Denton, Texas, 76201

I, Jeremy Blad, being a registered landscape architect as defined in the Denton Development Code, attest that the identification and dbh of trees identified on the survey are correct and that all trees 6" and greater dbh have been shown.

Signature 

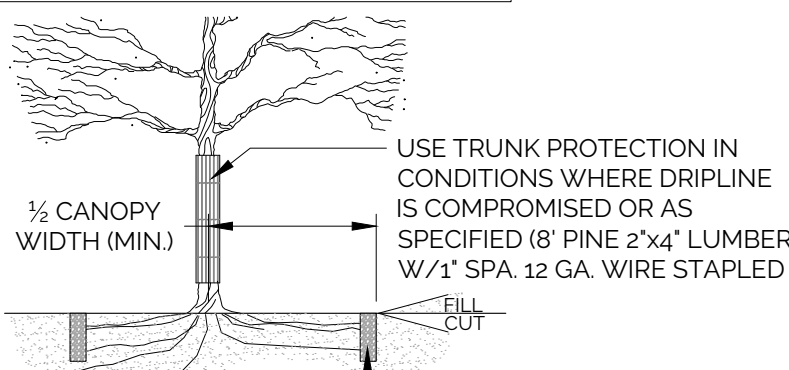
Date: March 13, 2023
NOTE: AT NO TIME SHOULD A WALL, PAVEMENT, OR POROUS PAVEMENT BE PLACED CLOSER THAN FIVE FEET OR ONE FOOT FOR EVERY TWO INCHES IN CALIPER, WHICHEVER IS GREATER TO THE TRUNK OF THE TREE

NOTES:
NO GRADING, STORAGE PARKING OR ANY OTHER CONSTRUCTION ACTIVITY WITHIN THE PROTECTION FENCE



STANDARD TREE PROTECTION

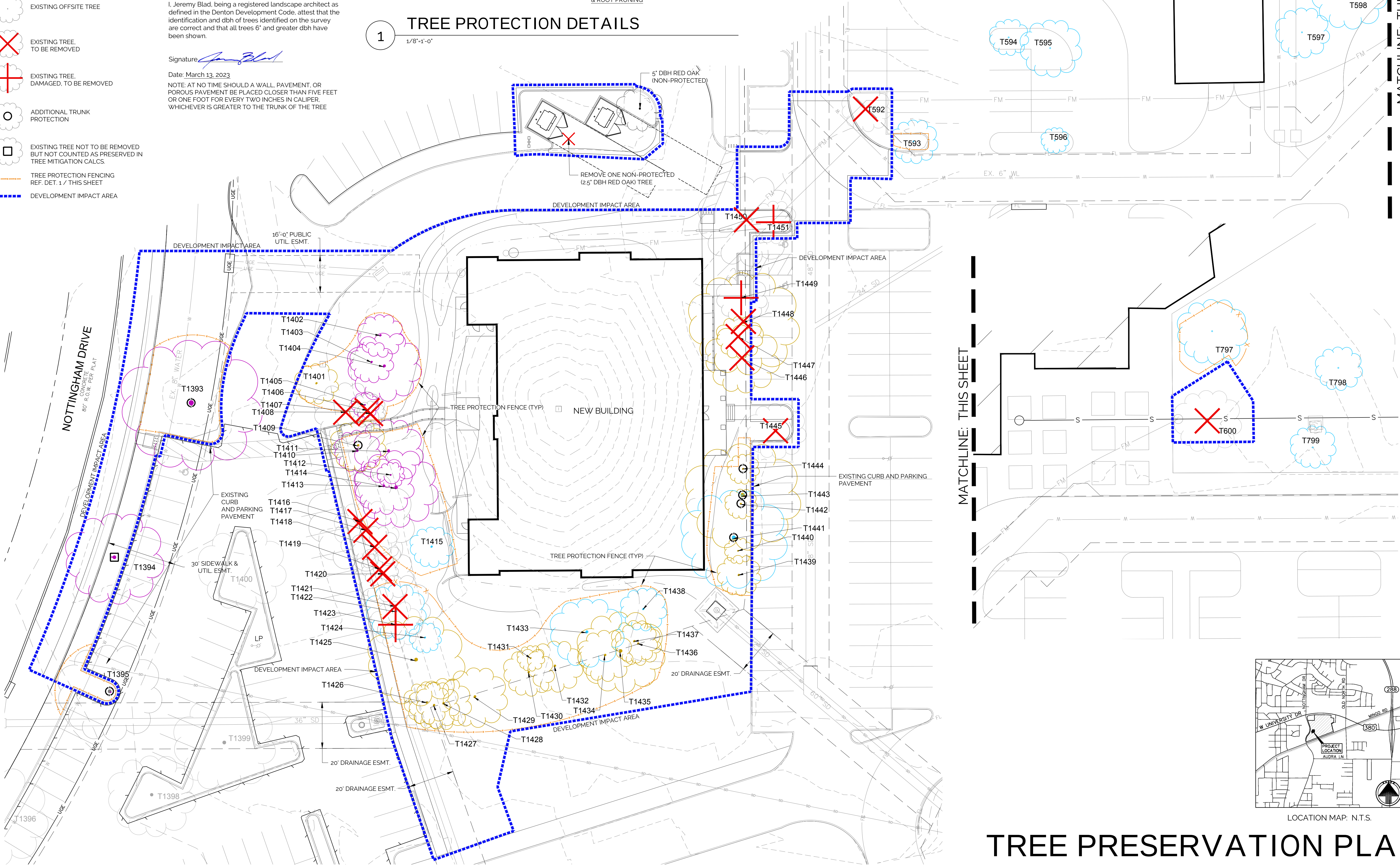
NOTES:
HAND DIG TRENCH (NO MECHANICAL TRENCHING) CUT ROOTS WITH A SHARP PRUNING TOOL.
BACKFILL WITH EXISTING SOIL.
PERFORM ROOT PRUNING A MINIMUM OF 2 WEEKS PRIOR TO CONSTRUCTION.



TRUNK PROTECTION & ROOT PRUNING

1 TREE PROTECTION DETAILS

1/8"-1'-0"



MATCHLINE: THIS SHEET

MATCHLINE: THIS SHEET



LANDSCAPE ARCHITECTS
222 S. Elm St. Ste. 102
Denton, Texas 76201
ph: 214.783.1715

CONSULTANT:

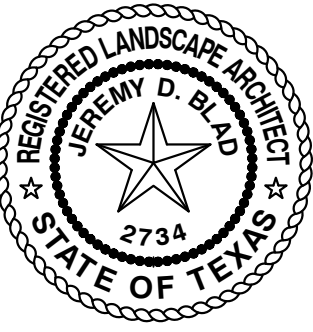
OWNER / CLIENT:

DENTON BIBLE CHURCH
(940) 297-6700
2300 E UNIVERSITY DR.
DENTON, TX 76209

Project No:	2022-059
Drawn By:	MAD
Reviewed By:	JDB
Issue Type:	TPP - 7th Submittal
Issue Date:	07/22/2024

REVISIONS:

No.	Date	Description



July 22, 2024

PROJECT:

CITY PROJECT No.
TPP23-0014

DENTON BIBLE CHURCH
ADMINISTRATION
BUILDING

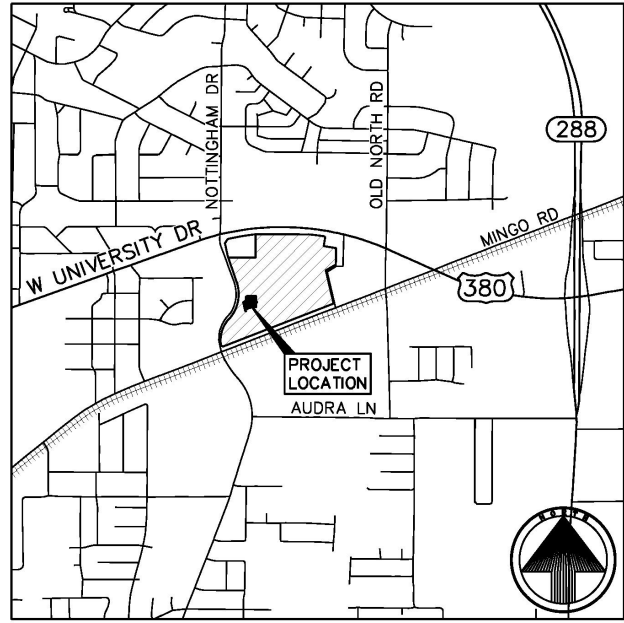
DENTON, TEXAS

SHEET TITLE:

TREE PRESERVATION
PLAN

SHEET NUMBER:

TP.01



LOCATION MAP: N.T.S.

TREE PRESERVATION PLAN

N
SCALE: 1"=20'-0"
0 20 40

Tree Inventory

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/ Remove	Site Location**
xxxx	Example: Texas Ash	xx	xx	xx		Healthy	Tree compromised by Emerald Ash Borer	Quality	Remove	DIA
1393	LIVE OAK	1256		30.50		Healthy		Heritage	Preserve	DIA
1394	LIVE OAK	1256		21.50		Healthy		Heritage	Remove	DIA
1395	LIVE OAK	1256		22.50		Healthy		Heritage	Preserve	DIA
1396	LIVE OAK	1256		23.00		Healthy		Heritage	Preserve	OFF
1397	LIVE OAK	1256		31.00		Healthy		Heritage	Preserve	OFF
1398	BRADFORD PEAR	1256		19.00		Healthy		Non-protected	Preserve	OFF
1399	BRADFORD PEAR	1256		22.00		Healthy		Non-protected	Preserve	OFF
1400	BRADFORD PEAR	1256		19.00		Healthy		Non-protected	Preserve	OFF
1401	SUGAR HACKBERRY	1256		9.00		Healthy		Secondary	Preserve	DIA
1402	POST OAK	1256		10.00		Healthy		Heritage	Preserve	DIA
1403	POST OAK	1256		9.00		Healthy		Heritage	Preserve	DIA
1404	POST OAK	1256		16.00		Healthy		Heritage	Preserve	DIA
1405	POST OAK	1256		6.00		Healthy		Heritage	Preserve	DIA
1406	POST OAK	1256		8.00		Healthy		Heritage	Remove	DIA
1407	POST OAK	1256		6.00		Healthy		Heritage	Remove	DIA
1408	POST OAK	1256		14.00		Healthy		Heritage	Remove	DIA
1409	SUGAR HACKBERRY	1256		12.00		Healthy		Secondary	Preserve	DIA
1410	POST OAK	1256		10.00		Healthy		Heritage	Preserve	DIA
1411	POST OAK	1256		15.00		Healthy		Heritage	Preserve	DIA
1412	POST OAK	1256		6.00		Healthy		Heritage	Preserve	DIA
1413	POST OAK	1256		13.00		Healthy		Heritage	Preserve	DIA
1414	POST OAK	1256		18.00		Healthy		Heritage	Preserve	DIA
1415	AMERICAN ELM	1256		15.00		Healthy		Quality	Preserve	DIA
1416	BLACKJACK OAK	1256		23.00		Healthy		Heritage	Remove	DIA
1417	BLACKJACK OAK	1256		14.00		Healthy		Quality	Remove	DIA
1418	COMMON HACKBERRY	1256		10.00		Healthy		Secondary	Remove	DIA
1419	SUGAR HACKBERRY	1256		8.00		Healthy		Secondary	Remove	DIA
1420	SUGAR HACKBERRY	1256		13.00		Healthy		Secondary	Remove	DIA
1421	SUGAR HACKBERRY	1256		15.00		Healthy		Secondary	Remove	DIA
1422	CHITTAMWOOD	1256		13.00		Healthy		Quality	Preserve	DIA
1423	SHAGBARK HICKORY	1256		11.00		Dead/Diseased		Quality	Remove	DIA
1424	SHAGBARK HICKORY	1256		7.00		Healthy		Quality	Preserve	DIA
1425	COMMON HACKBERRY	1256		21.00		Healthy		Secondary	Preserve	DIA
1426	SUGAR HACKBERRY	1256		10.00		Healthy		Secondary	Preserve	DIA
1427	SUGAR HACKBERRY	1256		11.00		Healthy		Secondary	Preserve	DIA
1428	SUGAR HACKBERRY	1256		12.00		Healthy		Secondary	Preserve	DIA
1429	SUGAR HACKBERRY	1256		14.00		Healthy		Secondary	Preserve	DIA
1430	COMMON HACKBERRY	1256		11.00		Healthy		Secondary	Preserve	DIA
1431	SHAGBARK HICKORY	1256		6.00		Healthy		Secondary	Preserve	DIA
1432	SHAGBARK HICKORY	1256		12.00		Healthy		Secondary	Preserve	DIA
1433	AMERICAN ELM	1256		16.00		Healthy	12,7	Quality	Preserve	DIA
1434	COMMON HACKBERRY	1256		12.00		Healthy		Secondary	Preserve	DIA
1435	COMMON HACKBERRY	1256		19.00		Healthy		Secondary	Preserve	DIA
1436	SUGAR HACKBERRY	1256		10.00		Healthy		Secondary	Preserve	DIA
1437	SUGAR HACKBERRY	1256		10.00		Healthy		Secondary	Preserve	DIA
1438	SHAGBARK HICKORY	1256		10.00		Healthy		Quality	Preserve	DIA
1439	SUGAR HACKBERRY	1256		9.00		Healthy		Secondary	Preserve	DIA
1440	SUGAR HACKBERRY	1256		6.00		Healthy		Secondary	Preserve	DIA
1441	AMERICAN ELM	1256		23.00		Healthy	12,7,5,5,4	Heritage	Preserve	DIA
1442	SUGAR HACKBERRY	1256		7.00		Healthy		Secondary	Preserve	DIA
1443	SUGAR HACKBERRY	1256		25.00		Healthy	13,13,10	Secondary	Preserve	DIA
1444	SUGAR HACKBERRY	1256		7.00		Healthy		Secondary	Preserve	DIA
1445	LIVE OAK	1256		13.00		Healthy		Quality	Remove	DIA
1446	SUGAR HACKBERRY	1256		16.00		Healthy		Secondary	Remove	DIA
1447	SUGAR HACKBERRY	1256		10.00		Healthy		Secondary	Remove	DIA
1448	SUGAR HACKBERRY	1256		24.00		Healthy	20,8	Secondary	Remove	DIA
1449	SUGAR HACKBERRY	1256		11.00		Dead/Diseased		Secondary	Remove	DIA
1450	SUGAR HACKBERRY	1256		21.00		Healthy	14,13	Secondary	Remove	DIA
1451	LIVE OAK	1256		10.00		Dead/Diseased		Quality	Remove	DIA
592	LACEBARK	1256		10.00	Healthy	Healthy		Quality	Preserve	DIA
593	LACEBARK	1256		9.50	Healthy	Healthy		Quality	Preserve	OFF
594	LACEBARK	1256		8.50	Healthy	Healthy		Quality	Preserve	OFF
595	LACEBARK	1256		13.00	Healthy	Healthy		Quality	Preserve	OFF
596	LACEBARK	1256		5.00	Healthy	Healthy		Quality	Preserve	OFF
597	CEDAR ELM	1256		12.00	Healthy	Healthy		Quality	Preserve	OFF
598	CEDAR ELM	1256		16.00	Healthy	Healthy		Quality	Preserve	OFF
600	LIVE OAK	1256		14.50	Healthy	Healthy		Quality	Remove	DIA
797	LIVE OAK	1256		15.00	Healthy	Healthy		Quality	Preserve	OFF
798	LIVE OAK	1256		10.00	Healthy	Healthy		Quality	Preserve	OFF
799	LIVE OAK	1256		10.00	Healthy	Healthy		Quality	Preserve	OFF

Tree Mitigation Worksheet (30% Preservation - Non-Residential and Mixed-Use)			
	dbh		
Total (Healthy) dbh	917		
Total (Healthy) Non-Protected dbh	0		
Dead Tree dbh	32		
Total (Healthy) Heritage/Quality dbh	364		
Required Preservation (30%)	109.2		
Provided Heritage/Quality Preservation dbh:	250		
Required Preservation dbh Achieved?	Yes		
Protected Trees Removed			
Type	dbh Removed	Replacement Ratio	Calculated DBH
Heritage	72.5	2.5:1	181.25
Quality	41.5	2:1	83
Subtotal			264.25
	Trees Removed	Replacement Ratio	Calculated DBH
Secondary	8	4":1 tree	32
Total			296.25
Preliminary Mitigation dbh		40% Reduction	177.75
Trees Preserved			
Type	dbh Preserved		Preservation Credit
Landmark in DIA	0	4:1	0
Heritage in DIA	179	3:1	537
Quality in DIA	71	2:1	142
Secondary in DIA	223	0.5:1	35.5
Addt'l Cluster Credit	0	1.15:1	0
Total	473		714.5
Mitigation dbh			-536.75

*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.



Valley Quest
DESIGN

LANDSCAPE ARCHITECTS
222 S. Elm St. Ste. 102
Denton, Texas 76201
ph: 214.783.1715

CONSULTANT:

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July 22, 2024

PROJECT:

CITY PROJECT No.
TPP23-0014

DENTON BIBLE CHURCH
ADMINISTRATION
BUILDING

DENTON, TEXAS

SHEET TITLE:

TREE INVENTORY
TABLE & MITIGATION
WORKSHEET

SHEET NUMBER:

TP.02