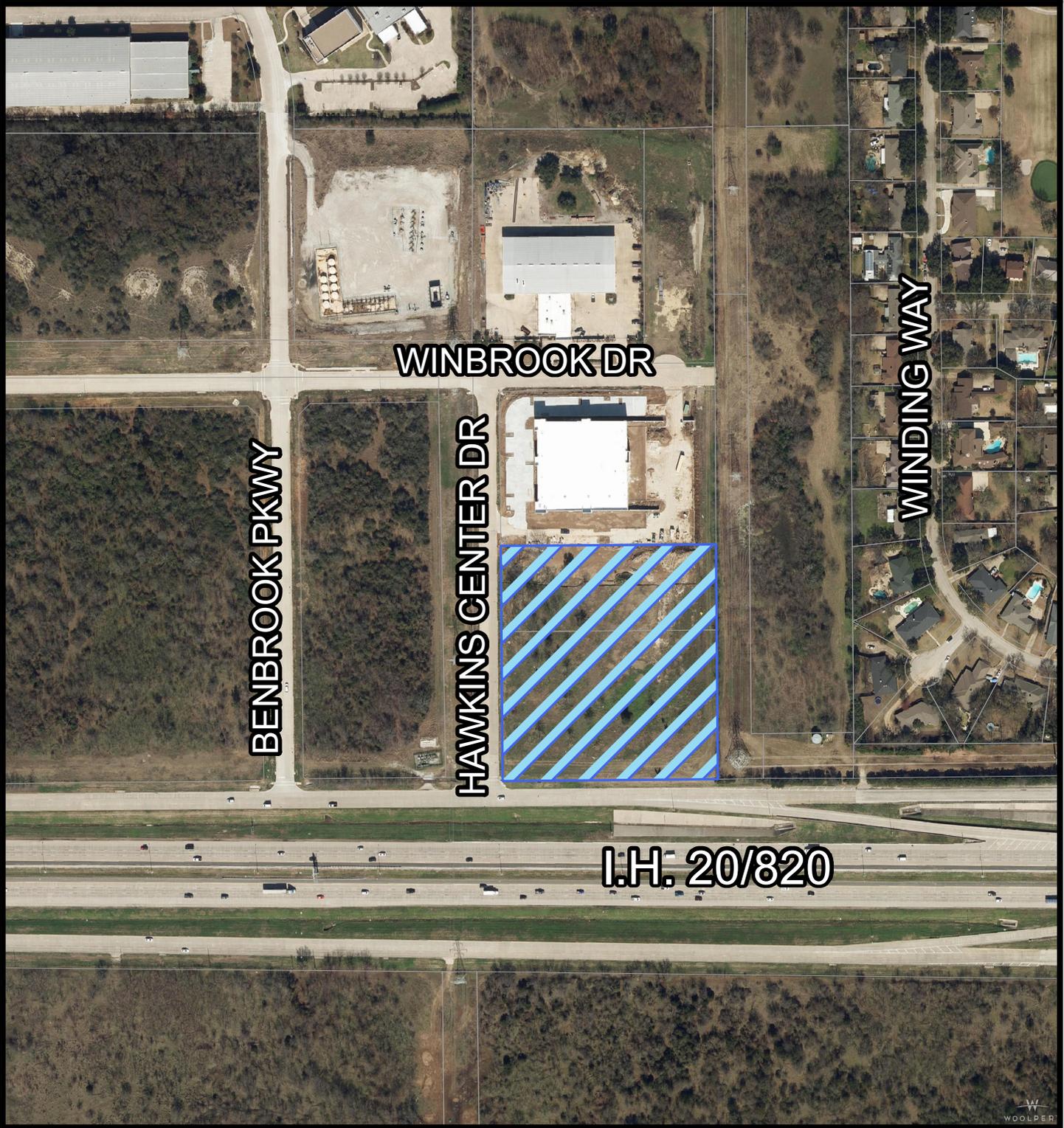
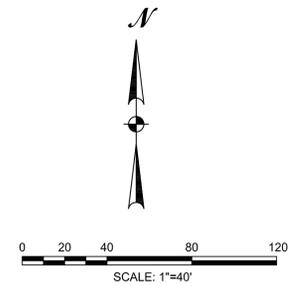


Location Map



RP-20-01 - Replat
Hawkins Business Center Addition PH1

MINOR REPLAT



POINT OF BEGINNING
 GRID COORDINATE
 N 6,934,126.087
 E 2,293,959.708

HAWKINS BUSINESS CENTER-BENBROOK
 PHASE 1 LOTS 1R-3R, BLOCK 1
 DOC. NO. D217197546
 O.R.T.C.T.

SPECIAL WARRANTY DEED
 WINBROOK DRIVE, LLC
 DOC. NO. D217209783
 O.P.R.T.C.T.

LOT 3R, BLOCK 1

N89°34'00"E 482.60'

N89°28'01"E 101.03'
 15.00'
 S89°28'01"W 101.06'

WATER EASEMENT
 TO BWA
 (BY THIS PLAT)

**JAMES ROGERS SURVEY
 ABSTRACT NO. 1264**

LOT 2R, BLOCK 1

SPECIAL WARRANTY DEED
 GROUP 1 REALTY, INC.
 DOC. NO. D218111396
 O.P.R.T.C.T.

HAWKINS BUSINESS CENTER-BENBROOK
 PHASE 1 LOTS 1R-3R, BLOCK 1
 DOC. NO. D217197546
 O.R.T.C.T.

LOT 1R, BLOCK 1

LOT 1R1, BLOCK 1
 5.834 ACRES
 254,122 SQ. FT.

25' EASEMENT TO
 TEXAS MIDSTREAM GAS SERVICES, LLC
 DOC. NO. D209023883
 O.R.T.C.T.

10' UTILITY EASEMENT
 DOC. NO. D212035048
 P.R.T.C.T.

25' EASEMENT TO
 TEXAS MIDSTREAM GAS SERVICES, LLC
 DOC. NO. D209023883
 D.R.T.C.T.

ACCESS EASEMENT
 AND RIGHT OF WAY
 LARRY R. MILLS
 VOL. 12505, PG. 690
 O.R.T.C.T.

S89°28'01"W 482.60'
INTERSTATE HIGHWAY NO. 20
 (VARIABLE WIDTH RIGHT-OF-WAY)

15' SANITARY SEWER &
 WATER LINE EASEMENT
 VOL. 7439, PG. 1436
 D.R.T.C.T.

1/2" FIR W/
 "EAGLE SURVEYING"
 CAP
 BEARS N39°45'01"W
 0.16'

WARRANTY DEED
 TEXAS ELECTRIC SERVICE COMPANY
 VOL. 54435, PG. 242
 D.R.T.C.T.

1/2" FIR W/
 "EAGLE SURVEYING"
 CAP

SPECIAL WARRANTY DEED
 GROUP 1 REALTY, INC.
 CALLED 7.165 ACRES
 DOC. NO. D218255591
 O.P.R.T.C.T.

HAWKINS BUSINESS CENTER-BENBROOK
 PHASE 1, LOT 1, BLOCK 3
 DOC. NO. D21824375
 O.R.T.C.T.

FMON
 (REMAINS)

FMON
 (REMAINS)

NOTES

Basis of Bearing is the Texas Coordinate System North Central Zone (4202), North American Datum of 1983 (NAD 83) 2011 adjustment, observed by RTK using the Leica SmartNet Network on 02/12/2018. Distances shown are US Survey feet displayed in surface values, scale factor is 1.00012.

Ingress and egress to the subject property is available by Easement and Right of way recorded in Volume 12505, Page 690 Official Records of Tarrant County Texas (O.R.T.C.T.) which gives access to Interstate Highway 20/South Loop 820 and by Street or Right of Way Easement to the City of Benbrook as recorded in Document No. D211263652 O.R.T.C.T. which gives access to Winbrook Drive.

By graphical plotting, the parcel described hereon lies within Zone "X" (unshaded) as delineated on the Tarrant County, Texas and Incorporated Areas Flood Insurance Rate Map Number 48439C0290K, revised date September 25, 2009, as published by the Federal Emergency Management Agency. "Zone X" (unshaded) is defined as "Areas determined to be outside the 0.2% annual chance floodplain." The surveyor utilized the above referenced flood plain information for this determination and the surveyor does not certify that revised flood plain information has or has not been published by the Federal Emergency Management Agency or some other source.

Property is currently zoned as "G" Commerce, per Ordinance #1211, adopted by the Benbrook City Council.

Utility Easement: Any franchised public utility, including the City of Benbrook shall have the right to move and keep moved all or part of any building, fences, trees, shrubs, other growths or improvements which in any way endanger or interfere with the construction, maintenance or efficiency of its respective system on any of the easements shown on the plat. Any franchised public utility including the City of Benbrook shall have the right at all times of ingress and egress to and from and upon said easements for the purpose of constructing, reconstructing, inspection, patrol, maintaining, and adding to or removing all or part of its respective systems without the necessity at any time of procuring the permission of anyone.

An alternative tree preservation and mitigation plan is on file with the City of Benbrook Planning Department and shall limit any future unauthorized land disturbing activity or construction that would negatively affect and/or damage the tree(s) to be preserved or protected.

Visibility triangles in the form of Public Open Space Easements (P.O.S.E.) shall be provided at the intersection of all public streets and the intersection of all public streets and alleys and/or private streets as required in Paragraph 16.28.020.C. The easement shall prohibit any obstruction within the easement from a height of twenty-four inches (24") to a height of eleven feet (11') above the top of the adjacent curb. Utility poles and guy wires may be located in the P.O.S.E. Other ground mounted electrical and communication equipment and switch gear may be located within the P.O.S.E. when the location is coordinated with the Planning Director.

LEGAL DESCRIPTION

BEING all of Lots 1R and 2R, Block 1 of Hawkins Business Center-Benbrook, Phase 1, an addition to the City of Benbrook, Tarrant County, Texas, according to the plat thereof recorded under Document No. D217197546. Plat Records, Tarrant County, Texas same being described in Special Warranty Deed to Group 1 Realty, Inc., as recorded in County Clerk's Document No. D218111396 in the Official Records of Tarrant County, Texas (O.R.T.C.T.), and being more particularly described as follows:

BEGINNING at a 1/2-inch found iron rod for the common northwest corner of said Lot 2R, the southwest corner of Lot 3R Block 1 of said Hawkins Business Center-Benbrook, Phase 1 and being on the east right-of-way line of Hawkins Center Drive (60 foot wide right-of-way as dedicated by Lots 1, 2, 3, & 4 Block 1 and Lots 1 & 2, Block 2 Hawkins Business Center-Benbrook, Phase 1, an addition to the City of Benbrook, Tarrant County, Texas as recorded in Document No. D212035048 O.R.T.C.T.);

THENCE North 89 degrees 34 minutes 00 seconds East, along the common north line of said Lot 2R and the south line of said Lot 3R, a distance of 482.60 feet to the common northeast corner of said Lot 2R and the southeast corner of said Lot 3R from which a 1/2-inch found iron rod with cap stamped "EAGLE SURVEYING" bears North 39 degrees 45 minutes 01 second West, a distance of 0.16 feet;

THENCE South 00 degrees 25 minutes 56 seconds East, departing said common line, a distance of 526.15 feet to the found remains of a concrete monument for corner on the north right-of-way line of Interstate Highway 20 (variable width right-of-way);

THENCE South 89 degrees 28 minutes 01 second West, along said north right-of-way line, a distance of 482.60 feet to a 1/2-inch found iron rod with cap stamped "EAGLE SURVEYING" for the intersection of said north right-of-way line and said east right-of-way line;

THENCE North 00 degrees 25 minutes 56 seconds West, departing said north right-of-way line and along said east right-of-way line, a distance of 526.99 feet to the POINT OF BEGINNING AND CONTAINING 254,122 square feet or 5.834 acres of land, more or less.

CITY OF BENBROOK

Approved by Planning and Zoning Commission:

Chair: _____

Attested by City Secretary: _____

Date of Approval: _____

STATEMENT OF SURVEYOR

I, the undersigned, a Registered Professional Land Surveyor in the State of Texas, hereby state that this plat is true and correct and was prepared from an actual survey of the property made under my supervision on the ground.

Registered Professional Land Surveyor
 State of Texas Number 5619
 Date: _____

OWNER/DEVELOPER

GROUP 1 REALTY, INC.
 CONTACT: LARRY CAUDILL
 800 GESSNER ROAD, SUITE 500
 HOUSTON, TEXAS 77024
 (713) 647-5700

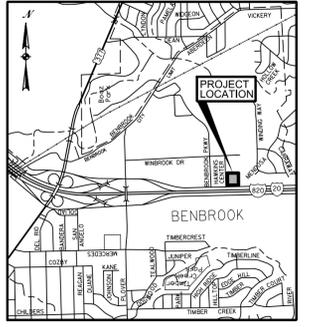
ENGINEER

BIRKIE AYER JR., P.E.
 AYER DESIGN GROUP, LLC
 215 JOHNSTON STREET
 ROCK HILL, SC 29730
 (803) 328-5828
 birk@ayerdesigngroup.com

SURVEYOR

DOUGLAS A. CALHOUN, RPLS
 SURVEY MANAGER
 HALFF ASSOCIATES, INC.
 4000 FOSSIL CREEK BLVD.
 FORT WORTH, TEXAS 76137
 (817) 764-7505 DIRECT
 (817) 232-9784 FAX
 dcalhoun@halff.com

LEGEND	
● FIR	FOUND IRON ROD
● FMON	FOUND MONUMENT
(CM)	CONTROL MONUMENT
---	PROPERTY LINE
---	EXISTING EASEMENT
D.R.T.C.T.	DEED RECORDS TARRANT COUNTY TEXAS
O.R.T.C.T.	OFFICIAL RECORDS TARRANT COUNTY TEXAS
P.R.T.C.T.	PLAT RECORDS TARRANT COUNTY TEXAS



VICINITY MAP
 NOT TO SCALE

STATE OF TEXAS COUNTY OF TARRANT OWNER'S ACKNOWLEDGMENT AND DEDICATION LOT 1R1, BLOCK 1, HAWKINS BUSINESS CENTER-BENBROOK PHASE 1;

AND DESIGNATED HEREIN AS LOT 1R1, BLOCK 1, HAWKINS BUSINESS CENTER-BENBROOK, PHASE 1. ADDITION, A SUBDIVISION TO THE CITY OF BENBROOK, TEXAS AND WHOSE NAME IS SUBSCRIBED HERETO, HEREBY DEDICATED TO THE PUBLIC IN FEE SIMPLE ALL STREETS, ALLEYS, RIGHTS-OF-WAY AND PARKS AND DEDICATE TO THE PUBLIC FOREVER ALL WATER COURSES, DRAINS, EASEMENTS AND PUBLIC PLACES THEREON SHOWN FOR THE PURPOSE AND CONSIDERATION THEREIN EXPRESSED, SAVE AND EXCEPT THE WATER EASEMENT.

That Group 1 Realty, Inc., a Delaware corporation, the owner of the property described in this plat, in addition to the foregoing dedication and contemporaneously herewith, does hereby dedicate, grant and convey to the Benbrook Water Authority, Tarrant County, Texas its successors and assigns ("BWA") a perpetual and exclusive easement (the "Water Easement" as depicted herein) and does certify the following:

- The Water Easement shall be used exclusively to construct, reconstruct, install, operate, inspect, repair, make connections to, relocate within the easement, remove or abandon in place and maintain water and sanitary sewer lines, together with all necessary above or below ground appurtenances thereto (the "Pipelines"), and with the right and privilege at any and all times, to enter said premises, or any part thereof, as is necessary or convenient to the proper use of the Water Easement.
- Owner agrees not to convey any other easement or conflicting rights within the Water Easement except (a) Owner may construct a road or pavement across the Water Easement, and (b) subject to BWA's prior written consent, which consent shall not be unreasonably withheld, install utility crossings or grant additional rights-of-way above or below BWA's Pipelines (all maintaining sufficient distance to protect the pipe and/or comply with any applicable legal requirement), provided the foregoing intersect BWA's Pipelines at an angle between sixty degrees (60°) and ninety degrees (90°) with each being clearly marked across the Easement and so long as the foregoing construction and use do not unreasonably interfere with BWA's exercise and use of the Water Easement granted herein, and safe operation of the Pipelines. BWA shall be given at least 30 days advance written notice of any such proposed construction together with any engineering reports. Such construction shall be subject to any applicable or relevant law, regulation or construction standard.
- Provided any private improvements are placed in the Water Easement, such improvements shall be placed at no risk or obligation to BWA, and BWA shall have no responsibility to repair or replace such improvements in, under or over the Water Easement if they are damaged or destroyed in the utilization of these rights granted herein.
- The BWA shall have the right: (1) to remove and keep removed all or any part of any building, fence, tree, shrub, or other structure, improvement or growth which in any way may endanger or interfere with the construction, reconstruction, maintenance, operation or efficiency of such utility; and of ingress and egress to or from and upon the Water Easement, other public easements and Owner's adjacent property for the purpose of constructing, reconstructing, inspecting, patrolling, maintaining and adding to, enlarging, or removing all or parts of its operation without the necessity at any time of procuring the permission of anyone.
- BWA shall have no responsibility for the maintenance of paving on or upon the Water Easement.
- The Water Easement dedicated by this plat shall also include an additional temporary area of working space for construction, reconstruction, additions, enlargements, and maintenance including such additional area necessary for installation and maintenance of manholes, clean outs, fire hydrants, water services and wastewater services.
- All modifications to Water Easement or the terms and conditions contained herein shall be by means of plat or other written, recordable instrument and approved by BWA.

BUSINESS ENTITY NAME

BY: _____
 NAME: _____
 TITLE: _____

STATE OF TEXAS COUNTY OF TARRANT

BEFORE ME, the undersigned authority, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations and in the capacity therein stated. Given under my hand and seal of office this ____ day of _____, 2020

Notary Public _____
 _____ County

FINAL PLAT

OF
 HAWKINS BUSINESS CENTER - BENBROOK
 PHASE 1, LOT 1R1, BLOCK 1

BEING A
 REPLAT OF LOT 1R AND
 LOT 2R, BLOCK 1
 HAWKINS BUSINESS CENTER
 BENBROOK PHASE 1

OUT OF THE
 JAMES ROGERS SURVEY, ABSTRACT NO. 1264
 AND THE J. CAMBO SURVEY, ABSTRACT NO. 362

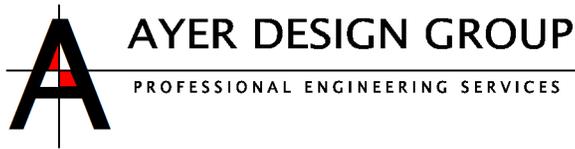
IN THE
 CITY OF BENBROOK
 TARRANT COUNTY, TEXAS

BY



4000 FOSSIL CREEK BLVD. FORT WORTH, TEXAS 76137 (817) 847-1422
 HALFF ASSOCIATES, INC. TBEPLS FIRM NO. 10029605

JANUARY 28, 2020
 THIS PLAT FILED IN INSTRUMENT NO. _____ Date: _____



February 4, 2019

Planning & Zoning Commission
City of Benbrook
c/o Caroline Stewart, Assistant City Planner
911 Winscott Road
Benbrook, Texas 76126-0569
cstewart@benbrook-tx.gov

**Reference: Audi Alternative Tree Preservation Plan
7300 Hawkins Center Drive
Benbrook, Texas**

Dear Benbrook Planning and Zoning Commission,

Group 1 Automotive, Inc. (Group1) plans to construct a new full-service Audi Automobile Dealership at 7300 Hawkins Center Drive in Benbrook. The building will contain 54,850 sf of building space on approximately 5.8 acres. The building will have 19,200 sf of showroom and retail space, a 6,375 sf of service drop-off lane, a 16,200 sf service department with 31 service bays, a 10,100 sf parts department with employee facilities, a 1,820 sf detail facility with 4 detail bays, and a 1,155 sf automated carwash facility. Audi is a luxury brand, and we're proud to be bringing it to Benbrook.

As we work through the design and permitting for the new Audi Dealership, we have identified a need to meet Benbrook's tree preservation requirements through an Alternative Tree Preservation Plan (ATPP) because the existing trees onsite are dying due to grading operations that occurred before Group1 purchased the property. Several feet of fill were placed over the roots of the existing trees onsite, effectively smothering them. Included in our application is an assessment from a Certified Arborist, who has indicated the existing trees are dying due to this condition. Our plan proposes to replace these dying trees with healthy new trees that will thrive. In order to comply with Benbrook's process for ATPP, we have addressed the following criteria:

- a. Adequately achieves, or improves on, the intent of the requirements of [Section 16.28.010];
- b. Assures quality development that fits with the character of Benbrook;
- c. Clearly states the intended preservation objectives; and
- d. Details the specific relief request and rationale.

A: ACHIEVE INTENT OF REQUIREMENTS:

Section 16.28.010 of Benbrook Code of Ordinances:

Purpose. The purpose of these regulations is to promote the preservation of trees, tree stands and existing tree canopy, to protect trees during construction, to facilitate site design and construction that contribute to the long-term viability of existing trees, to increase property values and promote environmental sustainability and to regulate the removal of trees.

Our plan recognizes that long-term viability of the existing trees is limited because they are already dead and dying due to factors beyond our control. There is no way to save them. Thus, to provide an environmentally sustainable tree canopy and create tree stands, we have focused our plan on planting a large number of new quality trees that will have the best chance to not just survive, but thrive, long term. Our plan will result in an aesthetically pleasing automotive campus that will make Benbrook proud. The comprehensive plan has identified this corridor for commercial uses,

and our Audi store will increase property values. Our luxury brand customers expect a high level of landscape appeal, and this plan provides that while also meeting the requirements for caliper inches and number of trees as specified in the code. We consulted with an arborist to determine if there was a way to save the trees and are confident that we have done all that we could to meet the intent of the ordinance.

B: QUALITY PROJECT FITTING THE CHARACTER OF BENBROOK:

Our project fits well in the framework of Benbrook's comprehensive plan which recognizes the need for growth in commercial services. With respect to the tree preservation plan, we've worked carefully to present a landscape plan that is visually appealing. We are removing 130 caliper inches of dying trees and replacing them with 295 caliper inches of healthy trees. The plan provides shade and color with a mix of native and specimen trees that enhance the entire project.

C: PRESERVATION OBJECTIVES:

Our objective was to preserve the trees that could be saved for long-term viability. This was not possible due to existing conditions despite our best efforts, which included contracting with a certified arborist to evaluate the site and recommend a course of action. Because preservation of the existing trees was impossible, we refocused our efforts on mitigation. We're providing more than double the amount of caliper inches than required for preservation. We're providing a plan that will provide tree canopy for environmental and aesthetic value for years to come.

D: SPECIFIC RELIEF REQUEST AND RATIONALE:

If the existing 11 trees onsite had a viable chance of long-term survival, our goal was to save them. We prepared our early site plan layouts around large tree save areas specifically for that purpose. Unfortunately, after consulting with experts in the field, it was determined that preserving the trees is impossible. Thus, we request that our alternative plan which proposes new, high quality trees in numbers exceeding the code requirements be accepted in lieu of attempting to save trees which are already dead or dying.

Group 1 and its consultants have worked closely with Benbrook staff to come up with this plan, and we are confident that we will all be proud when the construction is complete, and we see the finished result. In closing, I'd like to say that we're excited to be a part of this project and look forward to the grand opening of this luxury automotive dealership. Should you have any comments or questions or require additional information, please contact me.

Sincerely,

Ayer Design Group, LLC



Birkie Ayer, Jr., P.E.



TREE CALCULATIONS:

QTY	% REQUIRED	QTY REQUIRED	RATIO	QTY PRESERVED*
LARGE QUALITY TREES	3	70%	(2.1) 3	0
QUALITY TREES	5	20%	(1.1) 1	0
LARGE SECONDARY TREES	0	20%	0	0
SECONDARY TREES	3	N/A	N/A	N/A

* ALTERNATIVE TREE MITIGATION/PRESERVATION PLAN
SEE LANDSCAPE PLAN FOR ALTERNATIVE TREE MITIGATION/PRESERVATION PLAN

TREE MITIGATION REQUIREMENTS

CLASSIFICATION	CAL. IN REMOVED	RATIO	CAL. IN REQUIRED
LARGE QUALITY TREES:	63"	1:1	63"
QUALITY TREES:	61"	1:1	61"
LARGE SECONDARY TREES:	0"	1:1.75	0"
SECONDARY TREES:	12"	1:1.5	6"

TOTAL REPLACEMENT CALIPER INCHES REQUIRED = 130"

REQUED MITIGATION

REPLACEMENT CALIPER INCHES REQUIRED = 130"
REPLACEMENT CALIPER INCHES PROVIDED = 285"
PAYMENT IN LIEU OF MITIGATION (UP TO 50%): 0"
TOTAL MITIGATION PROVIDED = 285"

Matthew Clemons, RCA
3000 S. Hulen St #124-401
Fort Worth, TX 76109

December 13, 2019

Chad Chastain
Ayer Design Group, LLC
215 Johnston St.
Rock Hill, SC 29730

RE: Audi Fort Worth; Arborist Report

Dear Mr. Chastain:

You contacted me requesting arborist consultation regarding the present condition of existing trees on the proposed site for Audi Fort Worth located in the Hawkins Business Center development in Benbrook, Texas. You requested that I visit the site and give my observations and opinions about what effect the past infilling of material into the site may have on the existing trees. I was provided with a topographic survey with tree locations and visited the site on December 13, 2019. I found that extensive filling around most of the trees had taken place prior to the current ownership of the property. Due to the severity of the amount of fill around the trees, their survivability is unlikely. I also found that many of the trees are already in decline and some are already dead. Also, many of the trees would be designated Secondary Trees in Benbrook, which means that their species are not generally considered for preservation efforts.

The site contains stands of trees that would be considered Secondary Tree Stands according to definitions found in Section 116.28.010 - *Preservation of Trees and Native Vegetation* (City of Benbrook). These stands consist primarily of hackberry, bois d'arc, and willows. There are some trees on the property in the elm and oak species within these stands which are noted in a complete listing of trees in a separate tree survey. Though none of them are in good health or structural condition.

A visual inspection of the property without the use of surveyor's equipment revealed obvious amounts of fill activity above the original grade of the land. Many trees have been left surrounded by fill with voids forming basins around the root flares. These basins measure up to 7' high above what is likely the original grade of the tree's root flares where the trunks naturally emanate from the soil. I probed the soil and found that the fill consisted of rubble and debris, with native caliche clay soil. I also took photographs that exhibit the way the grade has been changed which I have included with this letter.

According to the topographic survey, the likely original elevation of the property is between 649'-652'. The current elevation in the areas affected by filling is as high as 656'. This difference in elevation does coincide with my observations of the filling around the trees at heights up to 7'.

CLEMONS, RCA 623
AUDI FORT WORTH, (DATE), 1 of 5

The trees on the site are also in very poor condition. Some trees were toppled over, which could be caused by the fill around trees. Among the stands were trees with significant hazardous limbs and dead material. Though I visited the property during the dormant season, some of the trees appeared to be dead or in a state of very poor health biologically.

Site filling is well documented as being very harmful to trees. All available literature on the subject affirms this and it represents the undisputed consensus among arborists and foresters. The Benbrook Preservation and Protection Standards (Sec. 1-16.28.010; F.2) state that the addition of fill near trees should be minimized. The reason for this is due to the damaging effect that this causes to trees. When tree root systems are buried under such amounts of heavy fill, they cannot perform their function. Root flares that are buried and covered are also subject to structural rot, which means that affected trees can topple over. The extent of the fill across the property is such that remedying it for the tree's sake would be unfeasible. I believe this filling took place during the grading and setting of the roads within the Hawkins development. Also, attempts at preserving these poor-quality trees would be ineffective. A much better option would be the planting and maintaining of desirable trees at the proper grade based on the current elevation of the roads and utilities.

Based on my experience and research in this situation, I am recommending that these trees not be subject to protection and mitigation requirements. The damage done to these trees occurred before the consideration of the proposed project and not at the direction of the current owner. It would be unreasonable to expect the current owner to consider these trees as salvageable and subject them to protection requirements when each of them is certain to die, topple over, or detract from the beauty and safety of the project as proposed.

Please do not hesitate to call if you have any questions.

Sincerely,

Matthew Clemons
Matthew Clemons, RCA 623

<Photos>
<<Certificate of Performance>>

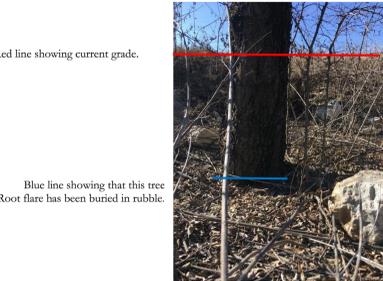
CLEMONS, RCA 623
AUDI FORT WORTH, (DATE), 2 of 5

**ATP PLAN
PG 1 OF 2**

PHOTOS



Red line showing the current height of fill, yellow line is the original grade.



Red line showing current grade. Blue line showing that this tree root flare has been buried in rubble.

CLEMONS, RCA 623
AUDI FORT WORTH, (DATE), 3 of 5

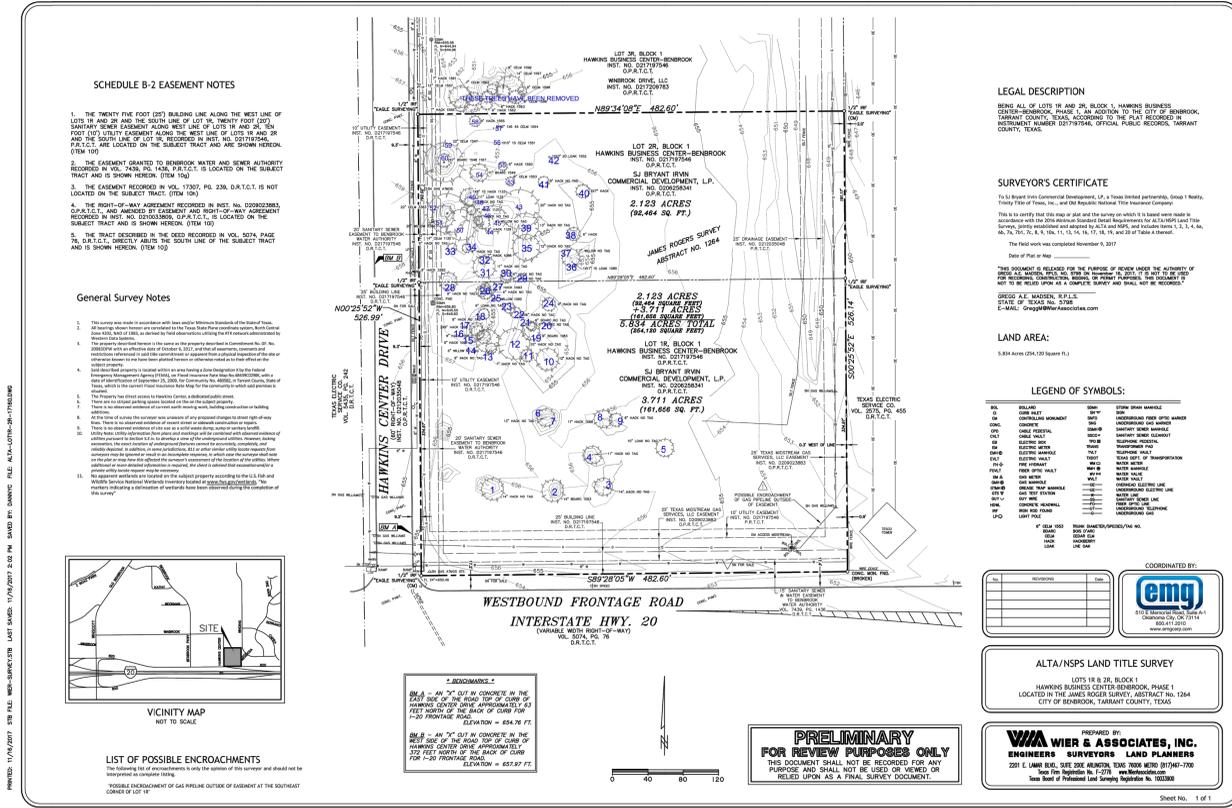


Photo showing the nature of the fill material.



Photo taken from the vantage of the original grade showing the level of fill across the site.

CLEMONS, RCA 623
AUDI FORT WORTH, (DATE), 4 of 5



3/19/19

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TREE MITIGATION REQUIREMENTS

CLASSIFICATION	CAL. IN REMOVED	RATIO	CAL. IN REQUIRED
LARGE QUALITY TREES:	63"	1:1	63"
QUALITY TREES:	61"	1:1	61"
LARGE SECONDARY TREES:	0"	1:1.75	0"
SECONDARY TREES:	12"	1:5	6"

TOTAL REPLACEMENT CALIPER INCHES REQUIRED = 130"

REQUIRED MITIGATION

REPLACEMENT CALIPER INCHES REQUIRED = 130"
 REPLACEMENT CALIPER INCHES PROVIDED = 295"
 PAYMENT IN LIEU OF MITIGATION (UP TO 50%): 0"
 TOTAL MITIGATION PROVIDED = 295"

BUFFER REQUIREMENTS

NORTH BUFFER
 BUFFER REQUIRED: 5' BUFFERYARD TYPE A
 BUFFER PROVIDED: 5' BUFFERYARD TYPE A
 CANOPY TREE REQUIRED (1 PER 100): 5 (482.6 LF / 100 = 4.82, USE 5)
 CANOPY TREE PROVIDED: 5
 UNDERSTORY TREE REQUIRED (2 PER 100): 10 (482.6 LF / 100 * 2 = 9.652, USE 10)
 UNDERSTORY TREE PROVIDED: 10
 SHRUBS REQUIRED (6 PER 100): 41
 SHRUBS PROVIDED: 41

SOUTH BUFFER
 BUFFER REQUIRED: 10' BUFFERYARD TYPE E
 BUFFER PROVIDED: 10' BUFFERYARD TYPE E
 CANOPY TREE REQUIRED (1 PER 100): 5 (482.6 LF / 100 = 4.82, USE 5)
 CANOPY TREE PROVIDED: 5
 UNDERSTORY TREE REQUIRED (2 PER 100): 10 (482.6 LF / 100 * 2 = 9.652, USE 10)
 UNDERSTORY TREE PROVIDED: 10
 SHRUBS REQUIRED (6 PER 100): 41
 SHRUBS PROVIDED: 41

WEST BUFFER
 BUFFER REQUIRED: 10' BUFFERYARD TYPE B
 BUFFER PROVIDED: 10' BUFFERYARD TYPE B
 CANOPY TREE REQUIRED (1 PER 100): 5 (526.99 LF / 100 = 5.27, USE 6)
 CANOPY TREE PROVIDED: 6
 UNDERSTORY TREE REQUIRED (2 PER 100): 10 (526.99 LF / 100 * 2 = 10.54, USE 11)
 UNDERSTORY TREE PROVIDED: 11
 SHRUBS REQUIRED (6 PER 100): 41
 SHRUBS PROVIDED: 41

PARKING LOT LANDSCAPING REQUIREMENTS

LANDSCAPE AREA REQUIRED (20 SF PER PARKING SPACE): 7,220 SF (360 SPACES * 20 SF = 7,200 SF)
 LANDSCAPE AREA PROVIDED: 7,500 SF
 INTERIOR ISLANDS REQUIRED (1 PER 10 SPACES): 36 ISLANDS (360 / 10 = 36)
 INTERIOR ISLANDS PROVIDED: 37 ISLANDS
 * = 27 IND. ISLANDS PROVIDED, 3 LARGER INTERNAL ISLANDS COUNTED AS 10 IND. ISLANDS
 PARKING ISLAND TREES REQUIRED (1 PER ISLAND): 36 ISLANDS = 36
 PARKING ISLAND TREES PROVIDED: 36 CANOPY TREES @ 3" CAL.

TREE CANOPY REQUIREMENTS

LOT AREA = 254,120 SF X 30% = 76,236 SF
 PERCENT / SF TREE CANOPY COVER REQUIRED: 30% / 76,236 SF
 PERCENT / SF TREE CANOPY COVER PROVIDED: 30.6% / 77,740 SF

LANDSCAPE AREA REQUIREMENTS:

LANDSCAPE AREA REQUIRED = 20% OF OVERALL SITE
 LANDSCAPE AREA = 254,120 SF X 20% = 50,824 SF
 LANDSCAPE AREA PROVIDED = 53,763 SF OR 21.16%

INTERNAL LANDSCAPE REQUIREMENTS:

INTERNAL LANDSCAPE AREA REQUIRED
 BUILDING AREA = 54,759 SF
 10% BUILDING AREA REQUIRED FOR INTERNAL LANDSCAPING
 INTERNAL LANDSCAPE AREA REQ. = 54,759 SF X 10% = 5,476 SF
 1 CANOPY TREE PER 600 SF = 10 CANOPY TREES REQ.
 1 UNDERSTORY TREE PER 300 SF = 19 UNDERSTORY TREES REQ.
 1 SHRUB PER 120 SF = 46 SHRUBS REQ.
 GROUND COVER PER 10% OF AREA = 548 SF OF GROUND COVER REQ.

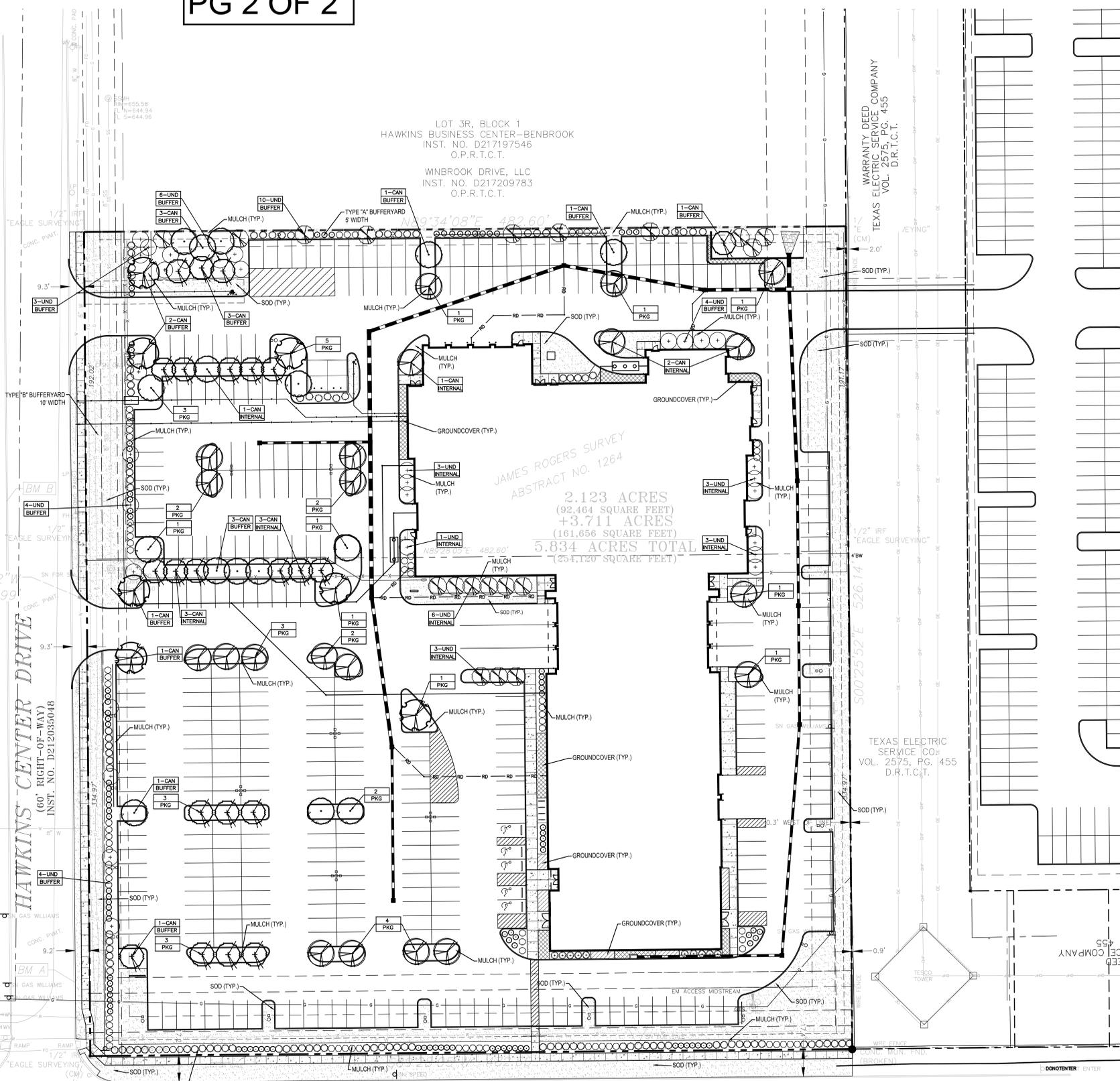
LANDSCAPE NOTES

- ALL DISTURBED AREAS NOT SPECIFIED AS LANDSCAPE AREA, SOD OR HARDSCAPE TO BE SEEDED WITH BERMUDA.
- CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO INSTALLATION, NOTIFY ENGINEER/ARCHITECT IF FIELD CONDITIONS WARRANT ADJUSTMENT OF PLANT LOCATIONS.
- SEE SHEET 8 FOR LANDSCAPE DETAILS AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND IS RESPONSIBLE TO REPLACE AND/OR REPAIR ANY DAMAGE TO EXISTING UTILITIES THAT MAY OCCUR.
- CONTRACTOR TO PROVIDE IRRIGATION PLAN TO ENGINEER/ARCHITECT FOR REVIEW AND APPROVAL.
- COORDINATE LANDSCAPE INSTALLATION WITH IRRIGATION CONSTRUCTION.
- ENSURE FINAL GRADES IN LANDSCAPED AND GRASSED AREAS PROVIDE POSITIVE DRAINAGE.
- FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM OF 4" OF UNCOMPACTED, CLEAN TOPSOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN.
- ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
- SOIL REQUIRED FOR PLANTING MIXES SHALL BE PROVIDED BY THE CONTRACTOR WHO SHALL LOAD, HAUL, MIX AND DISTRIBUTE ALL TOPSOIL AND AMENDMENTS SUCH AS ORGANICS, HUMUS, COMPOSTED MATERIAL OR NATIVE MATERIAL AS REQUIRED.
- FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB BASE AND CONSTRUCTION DEBRIS. LOOSEN COMPACTED SOIL TO MINIMUM 24" DEPTH AND PROVIDE SOIL AMENDMENTS MIXED INTO THE TOP 18" MINIMUM OR FOR UNCOMPACTED AREAS, AMEND THE TOP 18" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS.
- PLANTING MIX SHALL BE NATURAL, FERTILE AGRICULTURAL TOPSOIL, CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT MAY BE DEVELOPED BY AMENDING THE EXISTING SOIL OR REMOVING THE EXISTING SOIL AND REPLACING WITH NEW SOIL. IT SHALL BE FREE OF STONES AND OTHER LIVE PLANTS OR THEIR ROOTS, STICKS AND/OR ANY OTHER OTHER THAN FRIABLE SOIL.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY FIELD ADJUSTMENTS REQUIRED TO AVOID DRAINAGE PATTERNS OR STRUCTURES, UTILITIES, UNDERGROUND OR OVERHEAD OR RELOCATIONS OF PROPOSED VEGETATION BECAUSE OF SITE CONDITIONS.
- ALL PLANTINGS SHALL BE MECHANICALLY IRRIGATED. SEE IRRIGATION REQUIREMENTS, THIS SHEET.
- ALL PROPOSED LANDSCAPE BEDS TO BE MULCHED WITH DOUBLE HAMMERED HARDWOOD MULCH.
- CONTRACTOR TO REPLACE ANY PLANTS, TREES, AND/OR MULCH OR TURF AREAS THAT WERE DAMAGED OR DESTROYED DURING CONSTRUCTION ACTIVITIES. CONTRACTOR TO VERIFY QUANTITY AND SPECIES WITH ENGINEER PRIOR TO REPLACEMENT.

TREE LABEL LEGEND

PKG = REQUIRED PARKING LOT TREE
 INTERNAL = REQUIRED INTERNAL TREES
 BUFF = REQUIRED BUFFERYARD TREES
 UND = UNDERSTORY TREE
 CAN = CANOPY TREE

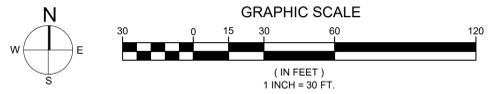
**ATP PLAN
PG 2 OF 2**



PLANTING LEGEND & SCHEDULE				
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
	FRAXINUS TEXENSIS	TEXAS ASH	7	3" CAL.
	ULMUS PARVIFOLIA	LACEBARK ELM	15	3" CAL.
	PISTACHIA CHINENSIS	CHINESE PISTACHE	22	3" CAL.
	ACER SACCHARUM 'CADDO'	CADDO MAPLE	21	3" CAL.
	CERCIS CANADENSIS	EASTERN REDBUD	31	2" CAL.
	LAGERSTOEMIA INDICA 'ZUMI'	ZUMI CRAPE MYRTLE	19	2" CAL.
	ILEX CORNUTA 'DWARF BURFORD'	DWARF BURFORD HOLLY	107	MIN. 18" HT.
	ABELIA X GRANDIFLORA 'SHERWOODII'	SHERWOOD ABELIA	79	MIN. 18" HT.
	ILEX VOMITORIA 'NANA'	DWARF YAUPON	100	MIN. 15" HT.
	JUNIPERUS HORIZONTALIS	CREeping JUNIPER	10	MIN. 12" HT.

LIRIOPE MUSCARIi- MAJESTIC LIRIOPE, 4" POTS, PLANT 1' O.C. (1122 PLANTS TOTAL)
 TRACHELOSPERMUM ASIATICUMi- ASIATIC JASMINE, 4" POTS, PLANT 1' O.C. (440 PLANTS TOTAL)
 GRASS = SOD AREAS WITH BERMUDA

WESTBOUND FRONTAGE ROAD
 INTERSTATE HWY. 20
 (VARIABLE WIDTH RIGHT-OF-WAY)
 VOL. 5074, PG. 76
 D.R.T.C.T.



AYER DESIGN GROUP
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 215 Johnston Street
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 Phone: 803-328-8858



01/31/2020
 TPE FIRM #F-16708

PROJECT NAME:
**AUDI
FORT WORTH**

7300 HAWKINS CENTER DR.
 BENBROOK, TX

SHEET DESCRIPTION:
LANDSCAPE PLAN

PROJECT #	2018-03	
DRAWN BY	CC	
CHECKED BY	BA	
NO.	ISSUE/REVISION	DATE
	FOR PERMIT	1/31/20

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