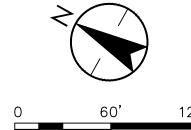


VICINITY MAP

NOT TO SCALE



TREE COVER LEGEND

EXISTING TREE CANOPY PRESERVED IN VESTED RIGHTS AREA EXISTING TREE CANOPY REMOVED IN VESTED RIGHTS AREA

EXISTING TREE CANOPY PRESERVED IN FLOODPLAIN

EXISTING TREE CANOPY REMOVED IN FLOODPLAIN

EXISTING TREE CANOPY PRESERVED

EXISTING TREE CANOPY REMOVED

EXISTING TREE CANOPY PRESERVED IN ENVIRONMENTALLY SENSITIVE AREAS

EXISTING TREE CANOPY REMOVED IN ENVIRONMENTALLY SENSITIVE AREAS

HERITAGE TREE LEGEND



EXISTING HERITAGE DECAYED

TOPOGRAPHIC LEGEND

___ __ ___ EXISTING TOPOGRAPHY

PROPOSED TOPOGRAPHY

100 YEAR EXISTING FLOODPLAIN 2006 VESTED RIGHTS AREA

TREE PROTECTION NOTES:

- 1. A ROOT PROTECTION ZONE WILL BE ESTABLISHED AROUND EACH TREE OR ANY VEGETATION TO BE PRESERVED TO MEET THE LANDSCAPE OR TREE PRESERVATION ORDINANCES. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY THE RADIUS EXTENDING OUTWARD FROM THE TRUNK OF THE TREE A DISTANCE OF ONE (1) LINEAR FOOT FOR EACH INCH DIAMETER INCH AT BREAST HEIGHT (4.5 ') OF THE TREE. A 10-INCH DIAMETER TREE WILL HAVE A 10 FOOT RADIUS ROOT
- 2. NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.
- 3. ALL ROOTS LARGER THAN ONE-INCH IN DIAMETER ARE TO BE CUT CLEANLY AND OAK WOUNDS PAINTED WITHIN 30
- 4. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE WORK DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL,
- 5. NO EQUIPMENT, VEHICLES OR MATERIALS SHALL BE OPERATED OR STORED WITHIN THE ROOT PROTECTION ZONE. NO CLEAN-OUT AREAS WILL BE CONSTRUCTED SO THAT THE MATERIAL WILL BE IN OR MIGRATE TO THE ROOT PROTECTION
- 6. NO GRADE CHANGE MORE THAN 3" IS ALLOWED WITHIN THE ROOT PROTECTION ZONE.
- 7. ROOTS OR BRANCHES IN CONFLICT WITH CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. All OAK WOUNDS SHALL BE PAINTED WITHIN 20 MINUTES TO PREVENT OAK WILT INFECTION.
- 8. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST (207-8053). 9. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE
- 10. TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE WATERING THE ROOT PROTECTION ZONE AND OR WASHING FOLIAGE.
- 11. NO WIRES, NAILS OR OTHER MATERIALS MAY BE ATTACHED TO PROTECTED TREES.
- 12. AVOID TRENCHING THROUGH THE CRZ OF PROTECTED TREES. ALTER ROUTES OF UNDERGROUND INFRASTRUCTURE OR USE ALTERNATE METHODS SUCH AS PIPE BORING OR HAND TRENCHING. DO NOT TRENCH OR EXCAVATE THE SOIL WITHIN

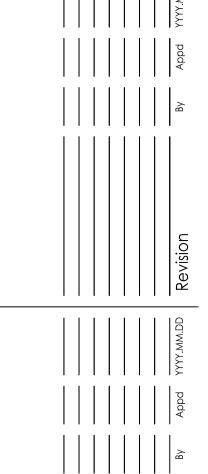
BENCHMARKS:

TBM 101 COTTON SPINDLE SET ON ASPHALT NEAR THE NORTH END OF A MEDIAN ALONG KYLE SEALE PKWY AND THE SOUTH RIGHT OF WAY LINE OF BABCOCK RD. ELEV=1181.30' TBM 102 PK NAIL SET ON SIDEWALK ALONG THE SOUTH RIGHT OF WAY LINE OF KYLE SEALE PKWY. BEING ±772 SOUTHWEST OF BABCOCK RD. ELEV=116 TBM 103 PK NAIL SET ON SIDEWALK ALONG THE SOUTH RIGHT OF WAY LINE OF KYLE SEALE PKWY. BEING ±1250 SOUTHWEST OF BABCOCK RD. ELEV=1181 LEGAL DESCRIPTION:

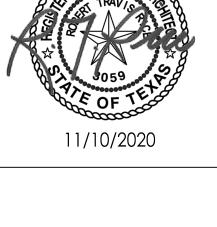
BEING A 44.28 ACRE TRACT OF LAND SITUATED IN BEXAR COUNTY, TEXAS, ESTABLISHING LOT 4, BLOCK 4. BEING ALL OF A CALLED 41.68 ACRE TRACT OUT OF CB 4718 AND CB 4565 AS RECORDED IN VOLUME 1890, PAGE 2016, AND ALL OF LOT 2 OF THE BABCOCK RD. - COMMERCIAL SUBDIVISION AS RECORDED IN VOLUME 9723, PAGE 207 OF THE OFFICIAL PUBLIC RECORDS OF BEXAR COUNTY, TEXAS. FLOODPLAIN NOTE:

THE DRAINAGE EASEMENTS WERE DELINEATED TO CONTAIN THE LESSER OF THE BOUNDARIES OF THE 1% ANNUAL CHANCE (100-YEAR) FLOOD ZONE ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) IN ACCORDANCE WITH DFIRM PANEL 0210G, DATED 9/29/10 ; OR THE 1% ANNUAL CHANCE (100-YEAR) ULTIMATE DEVELOPMENT CONDITION WATER SURFACE ELEVATION; OR THE 4% ANNUAL CHANCE (25-YEAR) ULTIMATE DEVELOPMENT FLOODPLAIN PLUS FREEBOARD. CONSTRUCTION, IMPROVEMENTS, OR STRUCTURES WITHIN THE DRAINAGE EASEMENTS AND FLOODPLAIN ARE PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL FROM THE FLOODPLAIN ADMINISTRATOR OF THE CITY OF SAN ANTONIO OR BEXAR COUNTY.

LOT 3, BLOCK 4, CB 4565, LIES WITHIN THE FEMA 1% ANNUAL CHANCE (100-YEAR) FLOODPLAIN AS DEPICTED ON THE FEMA FLOOD INSURANCE RATE MAP OF BEXAR COUNTY, TEXAS, DFIRM PANEL NUMBERS 48029C AND 48029C, DATED 9/29/10. A FEMA CLOMR FLOODPLAIN STUDY HAS BEEN PREPARED BY AND WAS APPROVED BY THE CITY OF SAN ANTONIO AND/OR BEXAR COUNTY. THE FLOODPLAIN STUDY (FEMA CASE NO. _____) IS PENDING APPROVAL BY FEMA. FLOODPLAIN INFORMATION IS SUBJECT TO CHANGE AS A RESULT OF FUTURE FEMA MAP REVISIONS AND/OR AMENDMENTS.



Permit/Seal



Project No.: 222011059 File Name: 11059C01_101_TPP_OVERALL

STANTEC EB STANTEC

Dwn. Dsgn. Chkd. 2020.05.05

TREE PRESERVATION PLAN

Revision: Sheet: of Drawing No.

ORIGINAL SHEET - ARCH E1

HERITA	GE TREE PRESER	RVATION. se	ec. 35-523. (f)((3)A			
Tag#	Species	Heritage 3:1		Heritage 1:1		Additional Inc Preserved f Mitigation *	
		Removed	Preserved	Removed	Preserved	Preserved	
9001	Live Oak		75				
9002	Live Oak		52				
1001	Live Oak		34				
1002	Live Oak		27				
1003	Live Oak		27				
1004	Live Oak		26.5				
1005	Live Oak	25					
1006 1007	Live Oak Live Oak	30	32			+	
1007	Cedar Elm		25			1	
1009	Live Oak		30				
1010	Live Oak		28.5				
1011	Live Oak	24					
1012	Live Oak		28				
1013	Live Oak		26				
1014	Live Oak		31				
1015	Live Oak		24				
1016	Live Oak		43				
1017	Live Oak		33.5				
1018 1019	Live Oak*		25*				
1019	Live Oak Live Oak		32 75				
1020	Live Oak		51				
1022	Live Oak		29.5			1	
1023	Live Oak		38				
1024	Live Oak		28.5				
1025	Live Oak		27				
1026	Live Oak		26				
1027	Live Oak		28				
1028	Live Oak		34				
1029	Live Oak		24				
1030	Live Oak		24				
1031	Cedar Elm		24			_	
1032 1033	Live Oak		24			+	
1033	Live Oak Live Oak		27 28			+	
1034	Live Oak		27				
1036	Live Oak		28.5				
1037	Live Oak		30.5				
1038	Live Oak		33				
1039	Live Oak	27					
1040	Live Oak		24				
1041	Live Oak		27				
1042	Live Oak		54				
1043	Cedar Elm		26				
1044	Live Oak		36				
1045	Live Oak	 	25				
1046 1047	Live Oak		24		04.5		
1047	Ashe Juniper Red Oak		24		24.5		
1048	Ashe Juniper		۷٦		24		
1043	Ashe Juniper Ashe Juniper			25.5	<u> </u>		
1068	Live Oak		34.5				
1069	Live Oak		29				
1070	Live Oak		27				
1084	Live Oak	27					
1085	Cedar Elm		24				
1086	Live Oak		24				
1087	Live Oak		38.5				
1088	Live Oak		37				
1089 1090	Live Oak	29	27				
1090	Live Oak Live Oak	+	27 27				
1091	Live Oak		34				
1101	Ashe Juniper				24		
Tot. Inches=		162	1723.5	25.5	72.5	_	

Heritage Preservation

Small species: Condalia, Redbud, Tx. Mountain Laurel, Tx. Persimmon, Hawthorn, Possumhaw - these are mitigated at 1:1 for Heritage Trees

Preserved- Tree to remain that meets root protection zone requirements described in section 35-523 of the UDC.

Ashe Juniper, Huisache, Mesquite, Arizona Ash, Hackberry protected at 10" dbh and mitigated at 1:1 for heritage trees Mitigation Trees: Unprotected-sized trees to be used for mitigation calculations; subtract inches from mitigation owed

Heritage Mitigation (inches)

MITIGATION SUMMARY (2010 CODE)

TOTAL SITE AREA (S.F.):		1,022,0
SITE AREA WITHIN 100 YEAR FLOODPLAIN (S.F.):		376,1
NET SITE AREA EXCLUDING 100 YEAR FLOODPLAIN (S.F.) :		645,8
TREE CANOPY PRESERVATION - EXCLUDING FLOODPLAIN		
EXISTING CANOPY AREA EXCLUDING 100 YEAR FLOODPLAIN AND ESA (S.F.)		286,8
TOTAL TREE CANOPY PRESERVATION REQUIRED (S.F.)	35%	100,40
TOTAL TREE CANOPY PRESERVATION PROVIDED (S.F.)	86.6%	248,4
TOTAL MITIGATION REQUIRED FOR TREE CANONY REMOVAL (S.F.)	-51.6%	-148,0
EXISTING CANOPY AREA WITHIN 100 YEAR FLOODPLAIN (S.F.) TOTAL ESA TREE CANOPY PRESERVATION REQUIRED (S.F.)	80% 85%	361,43 289,13 307,00
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.)		
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.)	OODPLAIN BUFFER	240.2
	OODPLAIN BUFFER	240,2
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.) TREE CANOPY PRESERVATION - ENVIRONMENTALLY SENSITIVE AREA/ 60' FL	80%	192,2
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.) TREE CANOPY PRESERVATION - ENVIRONMENTALLY SENSITIVE AREA/ 60' FL EXISTING CANOPY AREA WITHIN 60' FLOODPLAIN BUFFER (S.F.)		
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.) TREE CANOPY PRESERVATION - ENVIRONMENTALLY SENSITIVE AREA/ 60' FL EXISTING CANOPY AREA WITHIN 60' FLOODPLAIN BUFFER (S.F.) TOTAL ESA TREE CANOPY PRESERVATION REQUIRED (S.F.)	80%	192,2

	(S.F.)		148,072
TOTAL MITIGATION INCHES EXCESS FOR TREE CANOPY PRESERVATION:	(QUANTITY of TREE)	0sf/875sf=	169.23
	(CALIPER INCH)	169.23*16.7=	2,826
HERITAGE TREE MITIGATION REQUIRED. Section 35-523(g).			
TOTAL MITIGATION REQUIRED FOR HERITAGE TREE REMOVAL: (FLOODPLAIN AND ESA)	(CALIPER INCH)		512
·	(CALLIPER INCH)		2,826
*TOTAL MITIGATION INCHES EXCESS :	(- 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
*TOTAL MITIGATION INCHES EXCESS : TOTAL MITIGATION INCHES OUTSTANDING:	(CALLIPER INCH)		-2,31
			-2,31 -
TOTAL MITIGATION INCHES OUTSTANDING:			-2,31
TOTAL MITIGATION INCHES OUTSTANDING: MITIGATION TO BE PAID IN TREE FUND (\$200.00 per inch): *Surplus caliper inches to be applied towards Mitigation.	(CALLIPER INCH)	5-523(g).	-2,31
TOTAL MITIGATION INCHES OUTSTANDING: MITIGATION TO BE PAID IN TREE FUND (\$200.00 per inch): *Surplus caliper inches to be applied towards Mitigation.	(CALLIPER INCH)	5-523(g).	-2,31
TOTAL MITIGATION INCHES OUTSTANDING: MITIGATION TO BE PAID IN TREE FUND (\$200.00 per inch):	(CALLIPER INCH)	5-523(g).	-2,31 - - 34,784

	(S.F.)		34,7
TOTAL MITIGATION REQUIRED FOR ENVIRONMENTALLY SENSITIVE AREA REMOVAL:	(QUANTITY of TREE)	0sf/875sf=	39.
	(CALIPER INCH)	39.75*16.7=	6
*TOTAL MITIGATION INCHES EXCESS :	(CALLIPER INCH)		2,8
TOTAL MITIGATION INCHES OUTSTANDING:			-2,
MITIGATION TO BE PAID IN TREE FUND (\$200.00 per inch) :		-	
*Surplus caliper inches to be applied towards Mitigation.			

	(S.F.)		
TOTAL MITIGATION REQUIRED FOR NON-HERITAGE TREE REMOVAL:	(QUANTITY of TREE)	0sf/875sf=	
	(CALIPER INCH)	5.97*16.7=	
TIGATION SUMMARY.Section 35-523(g). (2010)			
TIGATION SUMMARY.Section 35-523(g). (2010) TOTAL MITIGATION INCHES REQUIRED:	(CALIPER INCH)	=0+0	
	(CALIPER INCH) (CALIPER INCH)	=0+0	
TOTAL MITIGATION INCHES REQUIRED:	·	=0+0	

MITIGATION SUMMARY (2006 CODE)

ITE AREA		
TOTAL SITE AREA (S.F.) :		906,878
SITE AREA WITHIN 100 YEAR FLOODPLAIN (S.F.):		C
NET SITE AREA EXCLUDING 100 YEAR FLOODPLAIN (S.F.):		906,878
TREE CANOPY PRESERVATION - EXCLUDING FLOODPLAIN		
EXISTING CANOPY AREA EXCLUDING 100 YEAR FLOODPLAIN (S.F.)		723,644
TOTAL TREE CANOPY PRESERVATION REQUIRED (S.F.)	35%	253,275
TOTAL TREE CANOPY PRESERVATION PROVIDED (S.F.)	25.2%	182,562
TOTAL MITIGATION REQUIRED FOR TREE CANONY REMOVAL (S.F.)	9.8%	70,714
REE CANOPY PRESERVATION - WITHIN FLOODPLAIN		
EXISTING CANOPY AREA WITHIN 100 YEAR FLOODPLAIN (S.F.)		0
EXISTING CANOPY AREA PRESERVED WITHIN 100 YEAR FLOODPLAIN (S.F.)	0%	0

. HERITAGE TREE MITIGATION REQUIRED. Section 35-523(g). (2006)			
TOTAL MITIGATION REQUIRED FOR HERITAGE TREE REMOVAL:	(CALIPER INCH)		0
NON-HERITAGE TREE (TREE STAND DELINEATION) MITIGATION REQUIRED. Section 35-	523(g). (2006)		
	(S.F.)		70,714
TOTAL MITIGATION REQUIRED FOR NON-HERITAGE TREE REMOVAL:	(QUANTITY of TREE)	0sf/875sf=	80.82
	(CALIPER INCH)	80.82*16.7=	1,350
*TOTAL MITIGATION INCHES EXCESS FROM NON-VESTED RIGHTS TREE CANOPY PRESERVATIO	N: (CALLIPER INCH)		1,650.0
TOTAL MITIGATION INCHES OUTSTANDING:			-300
MITIGATION TO BE PAID IN TREE FUND (\$200.00 per inch):			-
MITIGATION SUMMARY.Section 35-523(g).			
TOTAL MITIGATION INCHES REQUIRED:	(CALIPER INCH)	=0+0	1,350
TOTAL MITIGATION INCHES PROVIDED: (from total non-vested rights mitigation inches exce	ss) (CALIPER INCH)		1,650.0
TOTAL MITIGATION INCHES OUTSTANDING:	(CALIPER INCH)		-300
MITIGATION TO BE PAID IN TREE FUND (\$100.00 per inch):			-

OVERALL SITE MITIGATION SUMMARY (2006 AND 2010 CODE)

2006 MITIGATION REQUIRED:	(CALIPER INCH)	1,350
2006 MITIGATION PROVIDED THROUGH EXCESS PRESERVATION:	(CALIPER INCH)	1,350
2010 HERITAGE TREE MITIGATION REQUIRED:	(CALIPER INCH)	512
2010 ESA TREE MITIGATION REQUIRED:	(CALIPER INCH)	664
2010 TOTAL MITIGATION REQUIRED:	(CALIPER INCH)	1,176
2010 MITIGATION PROVIDED THROUGH EXCESS PRESERVATION:	(CALIPER INCH)	1,176
TOTAL MITIGATION REQUIRED (total site) :	(CALIPER INCH)	2,526
EXCESS PRESERVATION (total site) :	(CALIPER INCH)	2,826
EXCESS PRESERVATION REMAINING (total site):	(CALIPER INCH)	300

NOTE: LANDSCAPE PLANS PROVIDED BY OTHERS.

TBM 101 COTTON SPINDLE SET ON ASPHALT NEAR THE NORTH END OF A MEDIAN ALONG KYLE SEALE PKWY AND THE SOUTH RIGHT OF WAY LINE OF TBM 102 PK NAIL SET ON SIDEWALK ALONG THE SOUTH RIGHT OF WAY LINE OF KYLE SEALE PKWY. BEING ±772 SOUTHWEST OF BABCOCK RD. ELEV=1164.31'
TBM 103 PK NAIL SET ON SIDEWALK ALONG THE SOUTH RIGHT OF WAY LINE OF KYLE SEALE PKWY. BEING ±1250 SOUTHWEST OF BABCOCK RD. ELEV=1181.02 LEGAL DESCRIPTION:

BEING A 44.28 ACRE TRACT OF LAND SITUATED IN BEXAR COUNTY, TEXAS. ESTABLISHING LOT 4, BLOCK 4. BEING ALL OF A CALLED 41.68 ACRE TRACT OUT OF CB 4718 AND CB 4565 AS RECORDED IN VOLUME 1890, PAGE 2016, AND ALL OF LOT 2 OF THE BABCOCK RD. - COMMERCIAL SUBDIVISION AS RECORDED IN VOLUME 9723, PAGE 207 OF THE OFFICIAL PUBLIC RECORDS OF BEXAR COUNTY, TEXAS.

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Project No.: 222011059

STANTEC EB STANTEC

Dwn. Dsgn. Chkd. 2020.05.05

Revision: Sheet: of

Sub. Tot. Inches=

Total inches by category=

Preservation percentage=

Mitigation required (Commercial) = Mitigation required (Residential) =

No category to fall below 20% preservation;

* Tree noted for inventory purposes- not used in calculations

TREE MITIGATION CALCULATIONS

Drawing No.