



City of San Antonio

## TRANSPORTATION AND CAPITAL IMPROVEMENTS

### ADDENDUM NO. 2

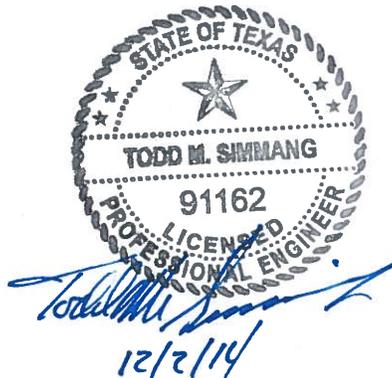
**PROJECT NAME: CITYWIDE BRIDGE PROGRAM – BRONCO LANE BRIDGE**

**DATE: DECEMBER 2, 2014**

This addendum should be included in and be considered part of the plans and specifications for the above named project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid.

**TCI PROJECT NO. 40-00294C**

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1. Sheet 48 of the plans, *TREE PRESERVATION & MITIGATION PLAN*, has been updated to reflect a clean print of the sheet so the Tree Inventory Template is included. This is NOT a revision to Sheet 48, just a clean print.



12/2/14

JACOBS ENGINEERING GROUP INC.

#2966



City of San Antonio

**TRANSPORTATION AND CAPITAL IMPROVEMENTS**

RECEIPT OF ADDENDUM NUMBER(S) 2 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR **CITYWIDE BRIDGE PROGRAM – BRONCO LANE BRIDGE** FOR WHICH BIDS WILL BE OPENED ON **DECEMBER 16, 2014.**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

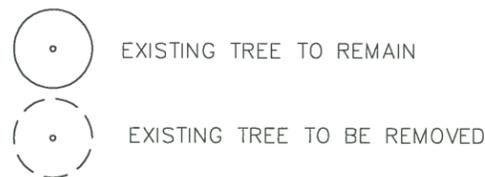
\_\_\_\_\_  
Print Name/Title

**TREE INVENTORY TEMPLATE**

Tag #	Species	Significant Tree 6" - 23.5"		Significant Tree** 10.0' - 23.5"		Heritage 3:1		Heritage 1:1		Additional Inches Preserved for Mitigation***
		Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	
	HUISACHE	11								
	HACKBERRY	10								
	HACKBERRY		16							
	HACKBERRY		12							
Sub. Tot. Inches=		21	28	0	0	0	0	0	0	0
Total inches by category=		49		0		0		0		0
		Significant Preservation		57%		Heritage Preservation		NA		0
		Commercial (inches)		-8.4		Heritage Mitigation (inches)		0		
		Residential (inches)		-10.85						

No category to fall below 10% preservation.  
 Preserved- Tree to remain that meets root protection zone requirements described in section 35-523 of the UDC.  
 Mitigation 1:1 for significant trees below minimum preservation requirements 3:1 for heritage trees below 100% preservation  
 \* Small species: Condonia, Redbud, Tx. Persimmon, Hawthorn, Possumhaw - these are mitigated at 1:1 for Heritage Trees  
 \*\* 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

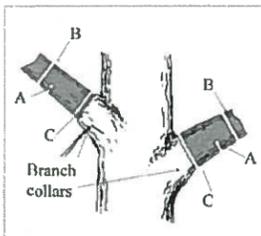
**LEGEND**



**TREE PRESERVATION NOTES**

1. ALL EXISTING TREES WHICH ARE DENOTED ON THIS PLAN TO BE PRESERVED SHALL BE PROTECTED AT THE ROOT PROTECTION ZONE (RPZ). THE RPZ SHALL BE DETERMINED BY TREE SIZE (12" [1.0'] RADIUS FROM TRUNK FOR EVERY 1" DIAMETER OF TRUNK AT 4.5' FROM GROUND).
2. ALL TREES WITHIN PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THIS PLAN.
3. A (CHAINLINK OR ORANGE MESH FENCE) BARRIER AROUND THE RPZ SHALL BE ERECTED BEFORE SITE WORK IS INITIATED AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETED.
4. RPZ SHALL BE SUSTAINED IN A NATURAL STATE AND SHALL BE FREE FROM VEHICULAR OR MECHANICAL TRAFFIC; NO FILL, EQUIPMENT, LIQUIDS, OR CONSTRUCTION DEBRIS SHALL BE PLACED INSIDE THE PROTECTIVE BARRIER.
5. THE RPZ SHALL BE COVERED WITH 6" OF COARSE MULCH TO REDUCE MOISTURE STRESS.
6. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOTS SYSTEMS SHALL BE REPAIRED IMMEDIATELY. ALL WOUNDS TO OAK TREES WILL BE PAINTED WITH PRUNING PAINT WITHIN 30 MINUTES AFTER DAMAGE. ROOTS EXPOSED DURING CONSTRUCTION WILL BE CUT CLEANLY.
7. THE PROPOSED FINISHED GRADE AND ELEVATION OF LAND WITHIN THE ROOT PROTECTION ZONE OF ANY TREE TO BE PRESERVED SHALL NOT BE RAISED OR LOWERED MORE THAN 3". WELLING AND RETAINING METHODS ARE ALLOWED OUTSIDE THE RPZ.
8. THE RPZ SHALL REMAIN PERVIOUS, I.E. GROUND COVER OR TURF AT COMPLETION OF LANDSCAPE DESIGN. IF FOUND THAT THE CONCRETE WORK WILL BE CLOSER THAN 5', THE CONTRACTOR WILL MEET WITH REPRESENTATIVES OF THE ENVIRONMENTAL REVIEW DEPT. TO MINIMIZE IMPACT.
9. EQUIPMENT AND MATERIAL STORAGE SHALL BE CONFINED TO THE LIMITS OF THE PERMANENT CONSTRUCTION EASEMENT AND THE OPEN AREA OF THE TEMPORARY CONSTRUCTION EASEMENT. NO EQUIPMENT OR MATERIAL SHALL BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREES.
10. THE CONTRACTOR SHALL CONSTRUCT LEVEL 1 PROTECTION FENCE AS SHOWN ON SHEET 1, THIS SHEET, FOR ALL TREES BEING PRESERVED EXCEPT FOR THOSE NOTED ON THE TREE TABLE.

**Proper Pruning**

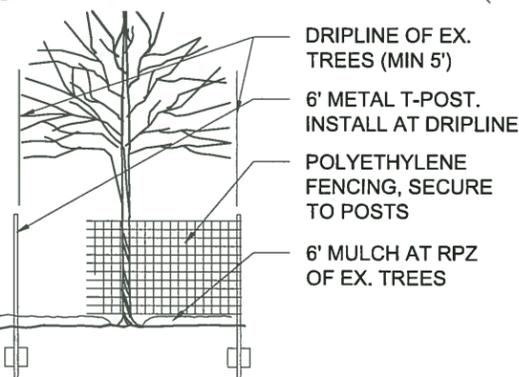


- Pruning should be a part of the preconstruction activities
- All Oak wounds are to be painted w/in 30 minutes

A - First cut. To prevent the bark from being peeled when the branch falls.  
 B - Second cut. To reduce the weight of branch.  
 C - Final Cut. Allow for healing collar but no stubs which are site for decay.

**TREE PRUNING**

**2 SECTION NTS**



- DRIPLINE OF EX. TREES (MIN 5')
- 6' METAL T-POST. INSTALL AT DRIPLINE
- POLYETHYLENE FENCING, SECURE TO POSTS
- 6' MULCH AT RPZ OF EX. TREES

RPZ: 1' PER 1 CALIPER INCH OF TREE MIN.

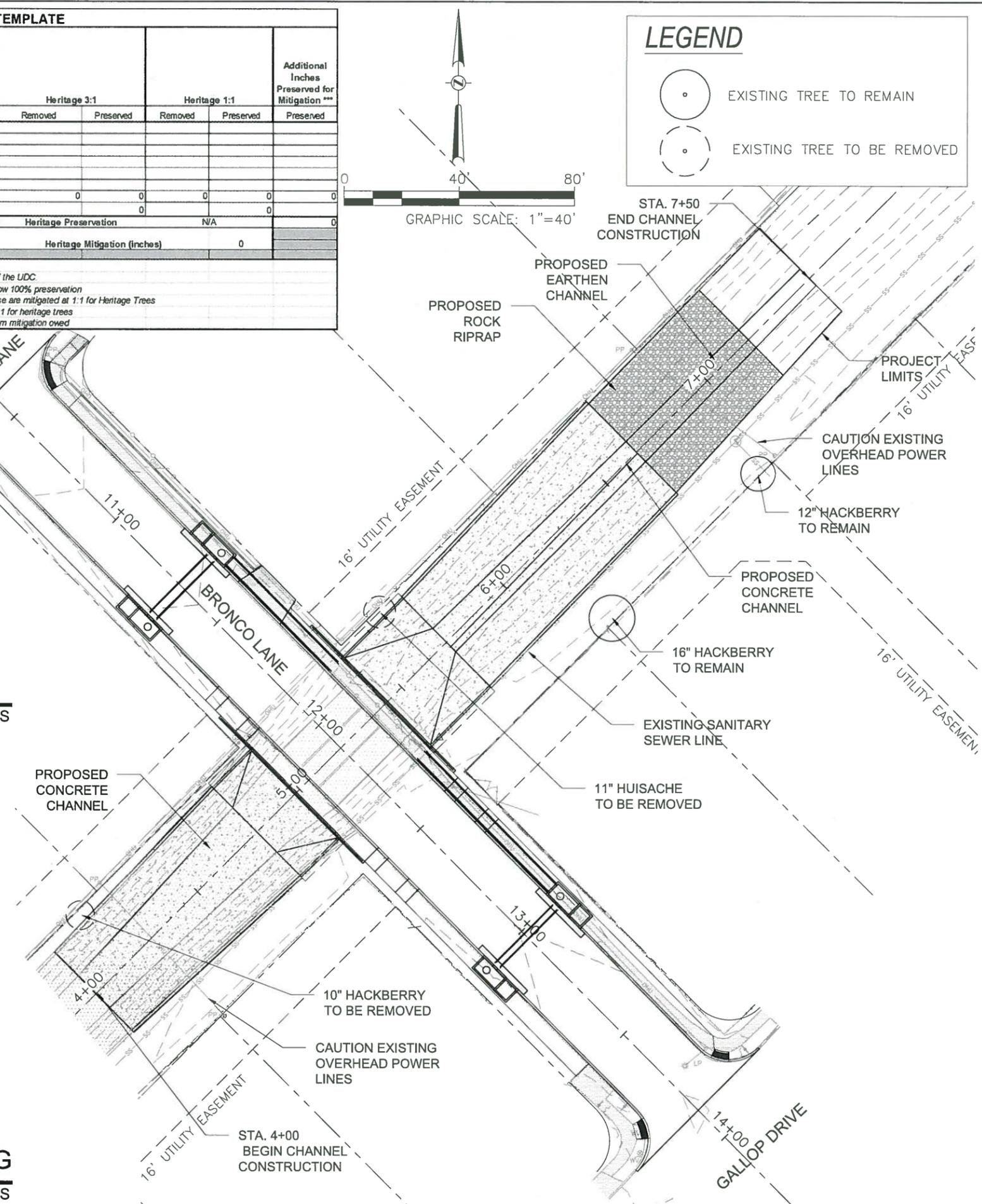


TREE TRUNK

CALIPER INCH @ DBH (4.5')

**TREE BARRICADE FENCING**

**1 SECTION NTS**



**REQUIRED MITIGATION**

0 INCHES ARE REQUIRED FOR MITIGATION



**JACOBS**  
 911 CENTRAL PARKWAY NORTH, SUITE 425  
 SAN ANTONIO, TEXAS 78232  
 PH: (210) 494-0088 FAX: (210) 494-4525 TBPE FIRM # 2966

**CITY OF SAN ANTONIO**  
 TRANSPORTATION & CAPITAL IMPROVEMENTS DEPARTMENT

2012 CITYWIDE BRIDGE PROGRAM - BRONCO LANE BRIDGE

**TREE PRESERVATION & MITIGATION PLAN**

100% SUBMITTAL	PROJECT NO.: WJXL7400	DATE: 11/11/2014
DRWN. BY: L.W.	DSGN. BY: L.W.	CHKD. BY: C.M.
		SHEET NO.: 49 OF 55

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