City of Austin Environmental Board Presentation on Urban Trails

April 1, 2015



City of Austin Urban Trails Program

Agenda

- Urban Trails Program Overview
- Urban Trails Master Plan requirements
- Project Updates (projects at 30% design or greater)
 - Violet Crown Trail
 - Country Club Creek Trail
 - Upper Boggy Creek Trail
 - Austin to Manor Trail: Phase 2



Urban Trails: A citywide network of non-motorized, multiuse pathways that are used by bicyclists, walkers and runners for both transportation and recreation purposes.

Urban Trails:

- 1. For transportation & recreation use,
- 2. Link to bicycle & sidewalk network,
- 3. Wide enough to accommodate all users,
- 4. Include amenities & unique features,
- 5. Maintain & operate for safety and comfort,
- 6. Context-sensitive, environmentally sustainable,
- 7. Preserve & improve wildlife habitat.



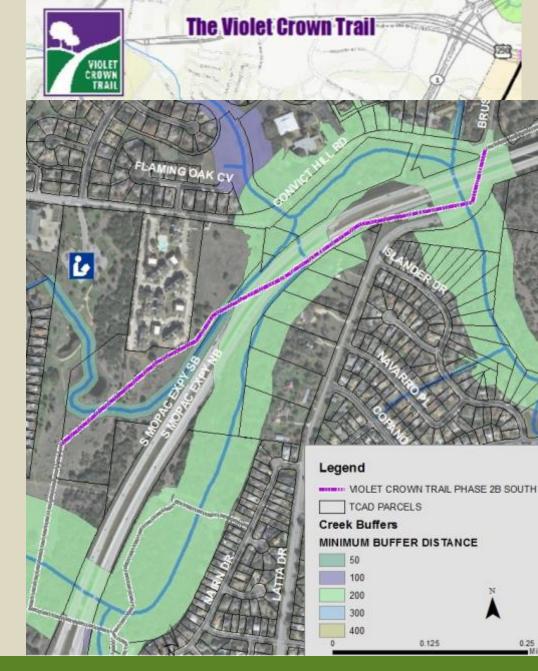


*Tier II Urban Trails were identified during the UTMP or previous planning processes. Development of Tier Il Urban Trails will occur upon adjacent development, planning, or land use changes. All Urban Trails identified in the UTMP are conceptual in nature. Specific routing for Urban Trails is determined during the PER and design phases.



Violet Crown Trail: Phase 2B South

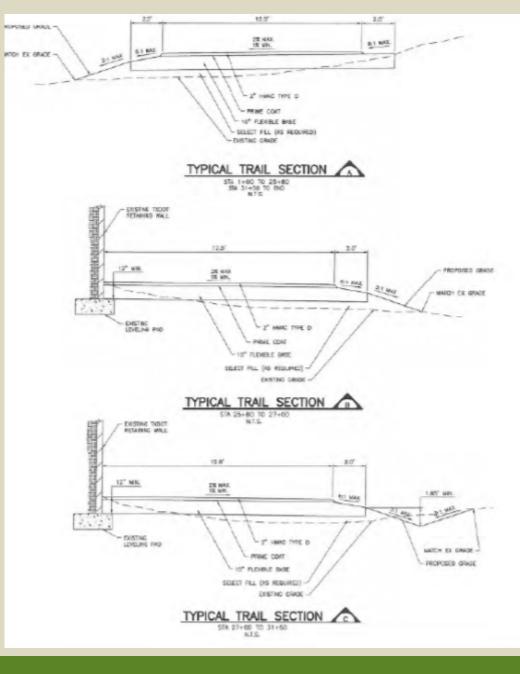
- Public-Private-Partnership with Hill Country Conservancy
- Convict Hill to Hampton Library.
- Construction: September 2015 -Summer 2016
- ¾ mile
- Cost: \$844,000 provided by 2012
 Bond funds





Violet Crown Trail: Phase 2B South

- 2 low-water crossings constructed at grade – does not impact floodplain or flow patterns.
- Outside of Erosion Hazard Zone.
- Erosion controls (rip-rap) provided upstream & downstream to decrease erosion potential.
- Current plans show removal of 3 trees, all in in TXDOT ROW. No alternative alignment available:
 - 1. 8" Oak
 - 2. 9" Chinaberry
 - 3. 21" Ligustrum



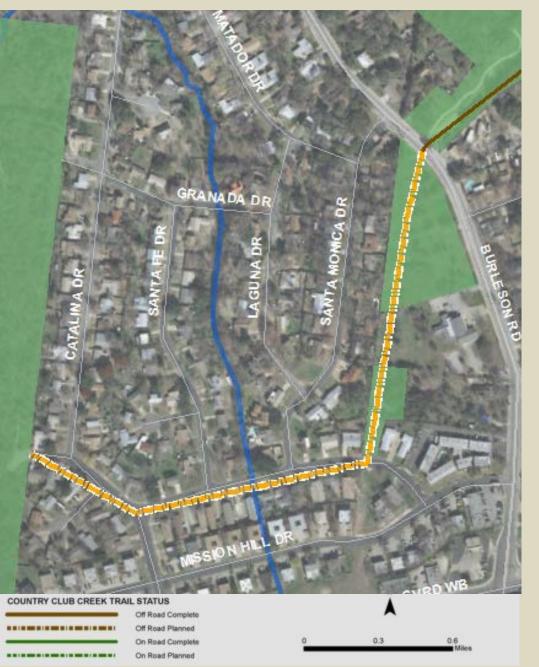


City of Austin Urban Trails Program

Violet Crown Trail Phase 2B South: looking north towards Brush Country/Convict Hill Intersection

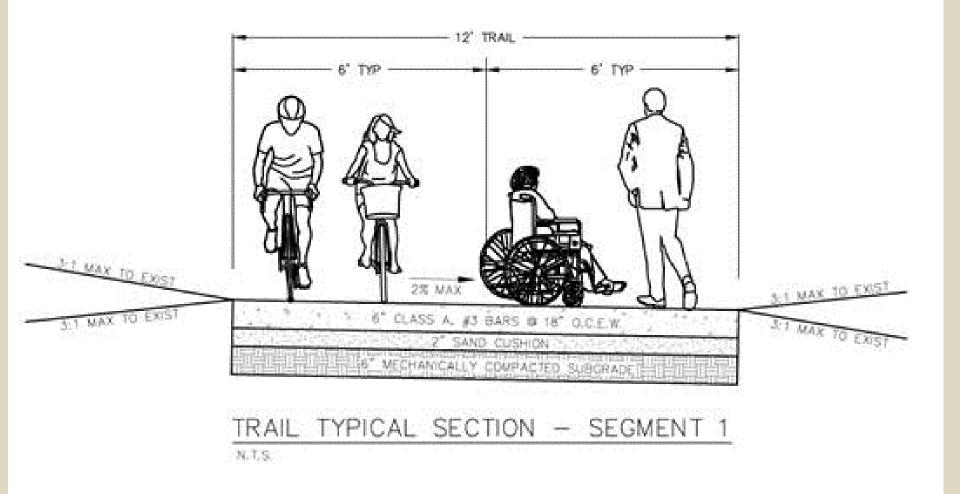
Violet Crown Trail Phase 2B South: Looking south

Violet Crown Trail Phase 2B South: Westbound, route to Hampton Library



Country Club Creek Trail

- 2 PER stakeholder meetings held winter 2014-2015
- Begin design + construction Section 1: Mabel Davis Park to Burleson Road.
- 0.5 mile
- Design complete May 2015.
- Construction: Fall 2015 Spring 2016.
- Current plans show no trees impacted.
- Design + construction cost = \$500,000 (from 2012 Bond funds).
- Subsequent sections funded by parkland dedication, bond, and grant funds.



Country Club Creek Trail: Typical Cross-Section

Country Club Creek Trail

Connection to existing trail

Typical trail location, on Austin Energy easement, within parkland

Country Club Creek Trail: Ventura Drive, looking east. Route to Mabel Davis Park.

Legend

Upper Boggy Creek Trail

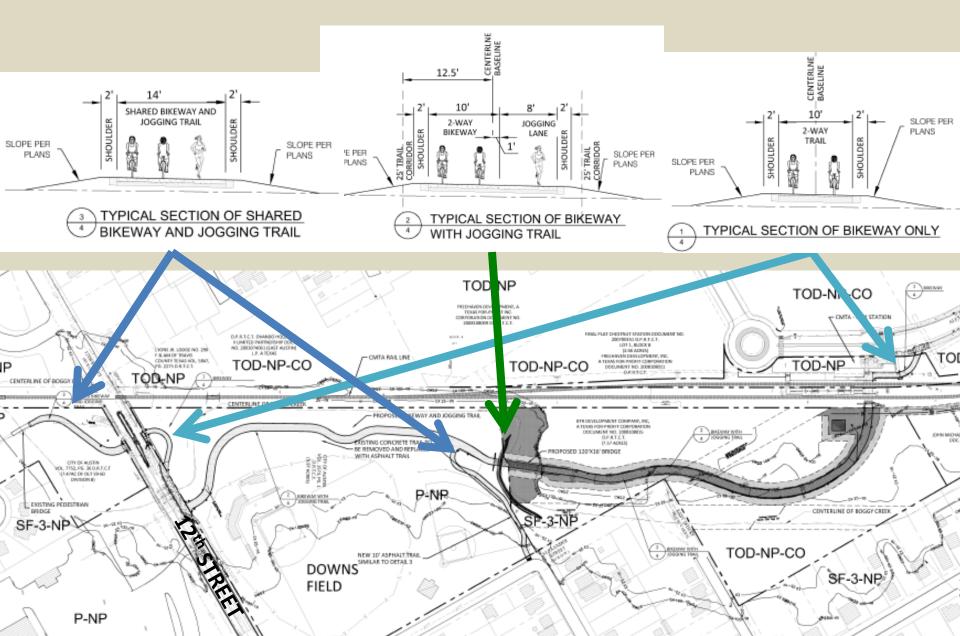
Creek Buffers MINIMUM BUFFER DISTANCE



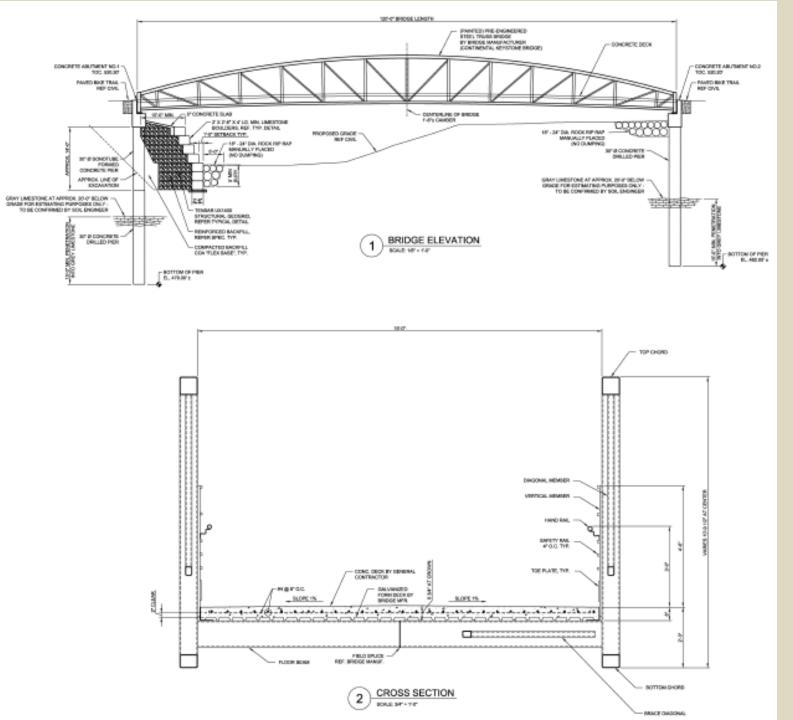
Upper Boggy Creek Trail

- Connect Chestnut, Rosewood and surrounding neighborhoods to:
 - MLK Station, Sustainable Food Center
 Community Gardens, Farmer's Market,
 and more
- 1 new creek crossing.
- 0.5 mile
- Meredith Family donating easement for trail.
- 90% design
- Seeking funding (\$1.6m) for construction.

Upper Boggy Creek Trail







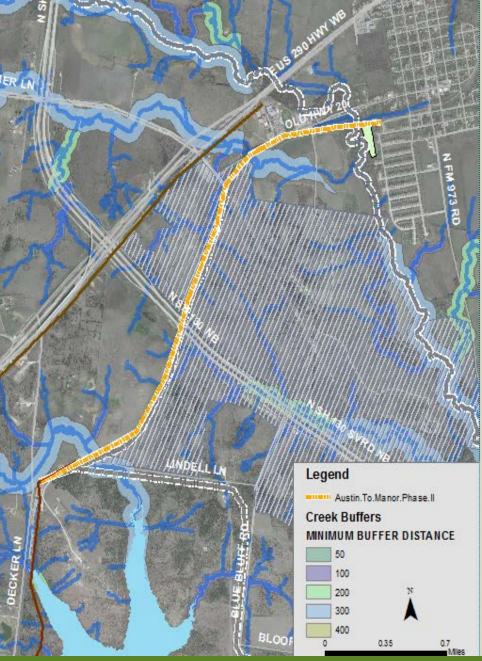
Proposed bridge over Boggy Creek

Upper Boggy Creek Trail: Westbound along 12th Street

Upper Boggy Creek Trail: Looking south towards 12th Street

Upper Boggy Creek Trail: Looking south from MLK Station Platform

Upper Boggy Creek Trail: Looking east from MLK Station Platform



Austin to Manor Trail: Phase 2

- Lindell Lane to Ben Fisher Park (Gilleland Trail)
- 3 miles
- Design complete by September 2016
- Construction currently un-funded.
- Construction cost: approximately \$6m



Austin to Manor Trail: Phase 2



Austin to Manor Trail Phase 2: along Lindell Lane looking eastbound, exiting Walter E. Long Park

- 3 low-water bridges designed to be overtopped during a 5-year storm.
- Creeks in the area are slow moving. While the velocity of the flows are lower, the creeks also tend to back up and drain slowly.
- Designing to the 25 and 100-yr flood, but the structures will be over-topped as a low water bridge.
- Mitigate erosion by armoring and stabilizing disturbed sites and by taking measures to limit construction disturbances.
- No heritage trees impacted.



Austin to Manor Trail Phase 2: Looking eastbound from SH 130 along CapMetro ROW

Questions?

Photo: Southern Walnut Creek Trail

APPENDIX F TREE LIST (18'' AND UNDER TREES TO REMAIN)	
TREE NO.	TREE DESCRIPTION
37	8" ASH 2" LIVE OAK
301	3" LIVE OAK
302	3" LIVE OAK
303 304	2" LIVE OAK 3" LIVE OAK
305	3" LIVE OAK
307	2" CHINKAPIN 2" CHINKAPIN
309	2" CHINKAPIN
314	2" CHINKAPIN
315	2" CHINKAPIN 2" CHINKAPIN
317	2" CHINKAPIN
318	2" CHINKAPIN
319 320	2" CHINKAPIN 2" RED OAK
321	2" RED OAK
326	3" RED OAK 11" (MS 9-4) WILLOW
327	17'' WILLOW
329	9'' WILLOW
331	18" WILLOW
333	9" MULBERRY 6" MULBERRY
343	12" HACKBERRY
350	14" MULBERRY
352	7" MESQUITE 6" HACKBERRY
354	7" HACKBERRY
355	10'' (MS 7-6) MESQUITE
356	17" (MS 9-8-8) MESQUITE 6" HACKBERRY
357	6" HACKBERRY
359	16'' (MS 8-6-6-4) MESQUITE
360	6" HACKBERRY
361	9" (MS 6-5) MESQUITE 11'' COTTONWOOD
364	16'' (MS 7-6-6-5) MESQUITE
365	11'' LIVE OAK
366	8" CEDAR 17" HACKBERRY
373	10'' HACKBERRY
375	10" HACKBERRY 7" HACKBERRY
378	10" HACKBERRY
383	11" HACKBERRY
386	11" MULBERRY 10" CEDAR
388	7" HACKBERRY
390	7" HACKBERRY
391 392	6" HACKBERRY 12" AMERICAN ELM
394	12" COTTONWOOD
397	12" WILLOW
399 400	6" CEDAR ELM 13" HACKBERRY
401	10" HACKBERRY
403	15" COTTONWOOD
412	17" (MS 10-8-5) HACKBERRY 11" AMERICAN ELM
415	12" HACKBERRY
416	12" HACKBERRY
417 418	13" HACKBERRY 10" HACKBERRY
419	8" HACKBERRY
420	8" HACKBERRY 8" HACKBERRY
421	8" HACKBERRY 8" HACKBERRY
423	15" HACKBERRY
424	14" (MS 10-8) HUESACH
428	13'' UNKNOWN 16'' (MS 12-8) UNKNOWN
430	7" AMERICAN ELM
431	8" UNKNOWN
432	5" UNKNOWN

TREE	
TREE NO.	TREE DESCRIPTION
436	13'' WILLOW
443	18'' COTTONWOOD
519	4'' LIVE OAK
520	4" COTTONWOOD
523	9" AMERICAN ELM
524	12'' (MS 9-6) HACKBERRY
525	11'' PECAN
529	12" BOIS D'ARC
530	9" MULBERRY
532	14'' AMERICAN ELM
533	12" BOX ELDER
534	9'' HACKBERRY
535	11" HACKBERRY
536	8" BOIS D'ARC
537	6" BOIS D'ARC
538	13'' CHINABERRY
541	11" HACKBERRY
542	8" HACKBERRY
	10" HACKBERRY
543	
544	8" HACKBERRY
548	15" PECAN
549	14'' PECAN
550	15'' PECAN
551	11" PECAN
554	12" HACKBERRY
555	7" CHINABERRY
556	14'' SUMAC
558	7" HACKBERRY
559	14" HACKBERRY
560	7" HACKBERRY
561	6" HACKBERRY
562	6" HACKBERRY
563	7" HACKBERRY
564	11" HACKBERRY
566	7" CEDAR ELM
567	9" HACKBERRY
	6" HACKBERRY
568	
569	9" (MS 6-5) MULBERRY
572	18'' (MS 15-6) BOIS D'ARC
574	7" HACKBERRY
576	6" HACKBERRY
579	8" HACKBERRY
580	8'' HACKBERRY
581	14'' (MS 10-7) HACKBERRY
582	10" HACKBERRY
583	12'' (MS 8-8) HACKBERRY
585	8'' BOX ELDER
	18" PECAN
26031	
26053	9" PECAN
26054	14'' PECAN
26061	14'' PECAN
26063	10'' PECAN
26064	17'' PECAN
26065	17'' PECAN
26066	10'' WILLOW
26067	14'' WILLOW
26069	14" AMERICAN ELM
26070	13" PECAN
26071	18'' PECAN
26072	12" AMERICAN ELM
26073	12'' PECAN
26075	18'' PECAN
26092	16" AMERICAN ELM
26092	15" AMERICAN ELM
26099	13" BOX ELDER
	13' AMERICAN ELM
26100	
26101	12" AMERICAN ELM
26102	9" BOX ELDER
26105	12'' WILLOW
26106	8'' PECAN
26121	15'' AMERICAN ELM
26123	13" HACKBERRY

APPENDIX F TREE LIST

APPENDIX F TREE LIST (18'' AND UNDER TREES TO BE REMOVED)		
TREE NO.	TREE DESCRIPTION	
310	2" CHINKAPIN	
313	2" CHINKAPIN	
322	2'' RED OAK	
323	2" RED OAK	
324	3" RED OAK	
325	3" RED OAK	
330	3" AMERICAN ELM	
335	11" (MS 8-5) HACKBERRY	
336	10" MULBERRY	
338	8" MULBERRY	
339	13'' CEDAR ELM	
340	5" AMERICAN ELM	
341	8'' CEDAR ELM	
369	9'' (MS 6-6) LIVE OAK	
370	6" HACKBERRY	
372	7" CEDAR ELM	
374	18'' (MS 13-10) HACKBERRY	
377	8'' CEDAR	
378	14'' (MS 6-6-5-5) HACKBERRY	
379	12" HACKBERRY	
380	10'' (MS 7-6) HACKBERRY	
381	8" HACKBERRY	
384	8'' HACKBERRY	
387	10'' HACKBERRY	
406	7" HACKBERRY	
407	7" HACKBERRY	
408	18'' (MS 11-8-6) BDARC	
410	14'' AMERICAN ELM	
411	8'' HACKBERRY	
434	12'' WILLOW	
518	6'' (MS 4-3) LIVE OAK	
545	13'' PECAN	
546	15" BOX ELDER	
570	6" HACKBERRY	
571	6" HACKBERRY	
573	10'' HACKBERRY	

IF THIS SHEET IS NOT 34" X 22", IT IS A REDUCED PRINT.

Drawing name: H:\854-boggy-bikeway\DWG\PERMIT\C-ES PLANS.dwg

INVASIVE SPECIES TREE LIST (TREES TO REMAIN)	
TREE NO.	TREE DESCRIPTION
347	18'' CHINABERRY
351	12'' CHINABERRY
371	17'' (MS 8-6-6-5) LIGUSTRUM
385	16'' (MS 8-8-7) TALLOW
526	9'' LIGUSTRUM
527	16'' (MS 10-6-6) LIGUSTRUM
528	11'' (MS 7-4-3) LIGUSTRUM
531	13'' (MS 9-8) LIGUSTRUM
539	10'' CHINABERRY
540	16'' CHINABERRY (LAID OVER & DEAD)

14'' CHINABERRY

547

INVASIVE SPECIES TREE LIST (TREES TO BE REMOVED)		
TREE NO.	TREE DESCRIPTION	
345	22'' (MS 14-10-6) CHINABERRY	
557	28'' (MS 24-7) CHINABERRY (LAID OVER & 90%DEAD)	

DEAD TREES ON SITE	
TREE NO.	TREE DESCRIPTION
398	11'' (DEAD)
405	9'' (DEAD)
521	12" WILLOW (LAID OVER/UPROOTED)
522	15" WILLOW (LAID OVER/UPROOTED)
552	17'' (DEAD)
575	6'' (DEAD)

393	37'' (MS 23-18-10) COTTONWOOD
395	19'' COTTONWOOD
402	20" COTTONWOOD
404	20" COTTONWOOD
414	27'' (MS 16-13-8) HACKBERRY
425	31'' (MS 14-12-8-8-6) WILLOW
426	31'' (MS 13-13-12-10) WILLOW
427	27'' (MS 19-15) WILLOW
433	28'' (MS 20-16) WILLOW
435	25'' (MS 12-10-8-8) WILLOW
437	24'' (MS 14-13-6) WILLOW
438	37'' (MS 20-18-15) WILLOW
441	22'' COTTONWOOD
442	36'' (MS 27-18) COTTONWOOD
553	23'' BOIS D'ARC
565	21'' (MS 12-9-9) BOIS D'ARC
577	22'' (MS 13-9-8) BOIS D'ARC
584	24'' (MS 12-10-8-6) HACKBERRY
26055	24'' WILLOW
26068	22'' PECAN
26074	20'' AMERICAN ELM
26093	19'' AMERICAN ELM
26108	26" BOX ELDER
26253	20'' HACKBERRY

TREE NO.	TREE DESCRIPTION
37	8'' ASH
346	33'' (MS 15-13-12-11) MULBERRY
349	19'' PECAN
363	26'' (MS 18-16) COTTONWOOD
367	27'' (MS 19-15) WILLOW
393	37'' (MS 23-18-10) COTTONWOOD
395	19'' COTTONWOOD
402	20'' COTTONWOOD
404	20" COTTONWOOD
414	27'' (MS 16-13-8) HACKBERRY
425	31'' (MS 14-12-8-8-6) WILLOW
426	31'' (MS 13-13-12-10) WILLOW
427	27'' (MS 19-15) WILLOW
433	28'' (MS 20-16) WILLOW
435	25'' (MS 12-10-8-8) WILLOW
437	24'' (MS 14-13-6) WILLOW
438	37'' (MS 20-18-15) WILLOW
441	22'' COTTONWOOD
442	36'' (MS 27-18) COTTONWOOD
553	23'' BOIS D'ARC
565	21'' (MS 12-9-9) BOIS D'ARC
577	22'' (MS 13-9-8) BOIS D'ARC
584	24'' (MS 12-10-8-6) HACKBERRY
26055	24'' WILLOW
26068	22'' PECAN
26074	20'' AMERICAN ELM
26093	19'' AMERICAN ELM
26108	26" BOX ELDER
26253	20" HACKBERRY

APPENDIX F TREE LIST

(PROTECTED TREES TO REMAIN)

))	APPENDIX F TREE LIST (PROTECTED TREES TO BE REMOVED)	
	TREE DESCRIPTION	TREE NO.
*	21" MULBERRY	311
	21'' (MS 15-12) WILLOW	337
	20'' AMERICAN ELM	342
	27'' (MS 17-11-8) BDARC	396

✤ TREE CONSIDERED TO SHALL BE REMOVED FOR THIS REASON

1" MULBERRY	*	312
VIS 15-12) WILLOW		332
AMERICAN ELM		348
/IS 17-11-8) BDARC		2610
O BE A HAZARD AND		

APPENDIX F TREE LIST (HERITAGE TREES TO REMAIN)	
TREE NO.	TREE DESCRIPTION
312	42'' LIVE OAK
332	43'' LIVE OAK
348	26'' (MS 19-14) AMERICAN ELM
26107	25'' AMERICAN ELM

FOR CONSTRUCTION REASONS

UNLESS NOTED OTHERWISE.

APPENDIX F TREE LIST \mathbb{C} (HERITAGE TREES TO BE REMOVED) CHAN PARTNERS ION CONSULTING CIVIL ENGINEERS ICAN ELM 60' 30' SCALE: 1" = 30' SO ARTNER RING, LL(- L ', 745)-88 LEGEND TRE 787 480 NO. - - PROJECT BOUNDARY LINE S CASEY ST (TIN, TEXAS 7 (PH) ♦ 512-4 info@chanpar HANPARTNE — — — EXISTING R.O.W./PROPERTY LINE — — EXISTING EASEMENT LINE ΩШ EXISTING PAVEMENT ЗЩ PROPOSED CURB & GUTTER ____ HAN - W - - - EX. WATER LINE - W- PROP. WATER LINE FLOW ARROW — F — PROP. FIRE LINE ОШ ⁴ – EX. STORM DRAIN 🛛 —— SD —— PROP. STORM DRAIN 🛛 🛛 EX. WATER VALVE 🔯 PROP. WATER VALVE PROP. FIRE HYDRANT 🕂 EX. FIRE HYDRANT OF MAS F EX. WATER METER PROP. WATER METER WWMHO EX. WASTEWATER MANHOLE 🔘 PROP. WASTEWATER MANHOLE SDMH 🔘 EX. STORM DRAIN MANHOLE 🔯 PROP. STORM DRAIN MANHOLE THOMAS F. CURRAN EX. STORM DRAIN INLET PROP. STORM DRAIN 61905 WITH LATERAL CENSE TMH O EX. TELEPHONE MANHOLE Secontrol Point ONAL T EX. TELEPHONE MARKER ____ EX. SIGN 1111000 FO 🔶 EX. FIBER OPTICS MARKER C EX. POWER POLE TB 🖂 🛛 EX. TELEPHONE BOX 3/30/2015 🗕 🛛 EX. GUY WIRE TSP Q EX. TRAFFIC SIGNAL POLE LP 🔆 🛛 EX. LIGHT POLE TSB 🖂 EX. TRAFFIC SIGNAL BOX EMH O EX. ELECTRIC MANHOLE GV EX. GAS VALVE EB 🖂 🛛 EX. ELECTRIC BOX G EX. GAS METER E EX. ELECTRIC BOX G 🗢 🛛 EX. GAS MARKER е 🗢 EX. ELECTRIC MARKER МВ 🗌 EX. MAIL BOX SV 🛇 🛛 EX. SPRINKLER VALVE EX. PARKING METER ×100 EXISTING TREE × 100 EXISTING TREE (TO REMAIN) (TO BE REMOVED) EX. OVERHEAD EX. CHAINLINK FENCE UTILITIES ----- EX. OVERHEAD EX. WOOD FENCE ELECTRIC ELECTRIC _____ 100-YFP _____ CITY OF AUSTIN FULLY DEVELOPED 100-YR NOTE: ALL TREES TO BE REMOVED EX. UNDERGROUND — UT — TELEPHONE FLOODPLAIN F EX. UNDERGROUND ---- 100Y-FEMA ----- 100-YR FEMA FIBEROPTICS FLOODPLAIN -----CWQZ---- CRITICAL WATER —— G ——— EX. GAS LINE QUALITY ZONE - WATER QUALITY TRANSITION ZON EROSION CONTROLS TO BE IN PLACE PRIOR TO DEMOLITION. SEE SHEETS 8 TO 14 FOR EROSION CONTROL TRAIL MEASURES. FOR TRAFFIC AND PEDESTRIAN BLVD CONTROLS AT STATION, SEE SHEET 61 CREEK Ŀ. TO MLK TREE LIST Ш ្ល)GGY PHAS REET BO ST 2TH UPPER ISSUE DATE: 3/28/14 PROJECT NO: 854 DESIGNED BY: XX DRAWN BY: XX CHECK BY: XX COPYRIGHT: CHAN & PARTNERS ENGINEERING, LLC 12 OF 71

(HERITAGE TREES TO BE REM		
TREE NO.	TREE DESCRIPTION	
578	24'' (MS 15-10-8) AMERIC	

