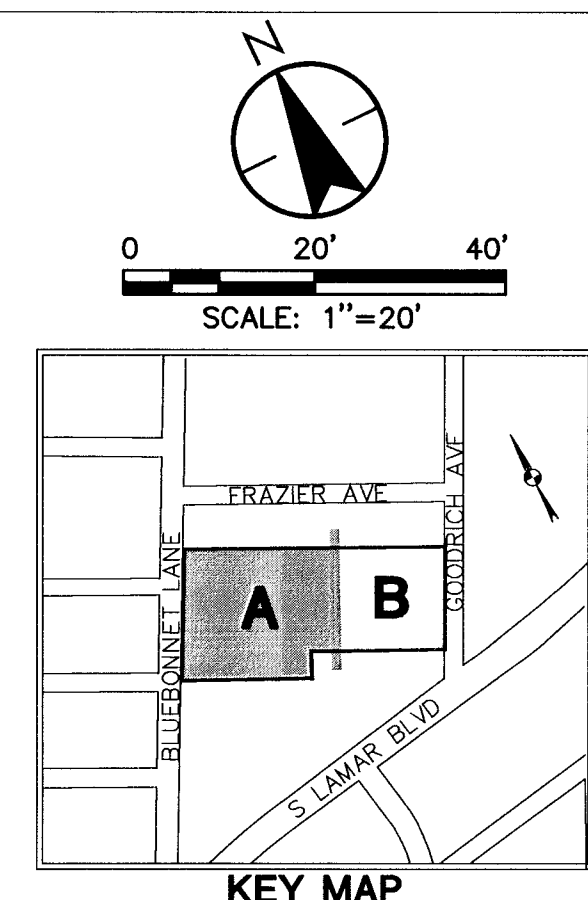
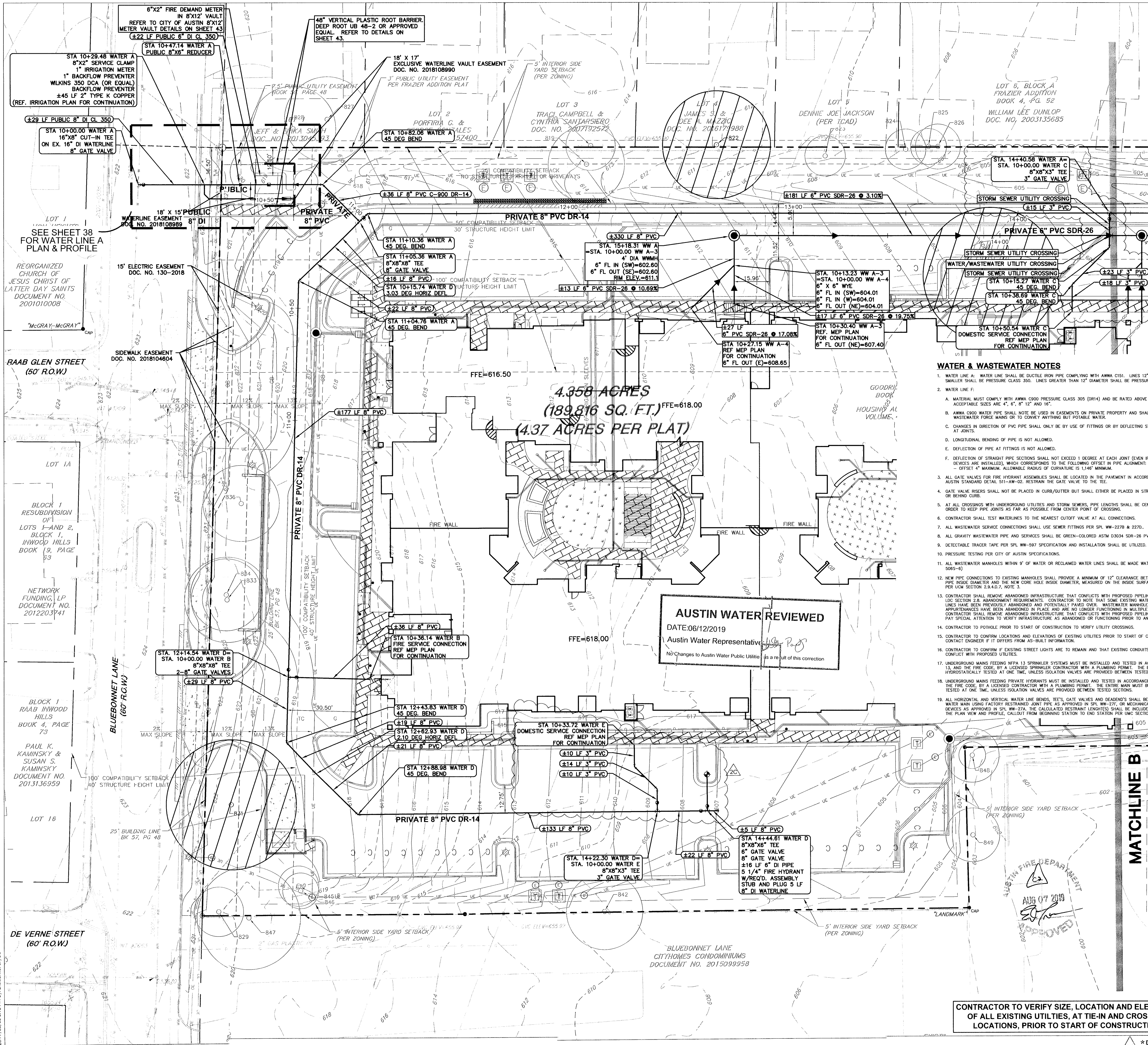


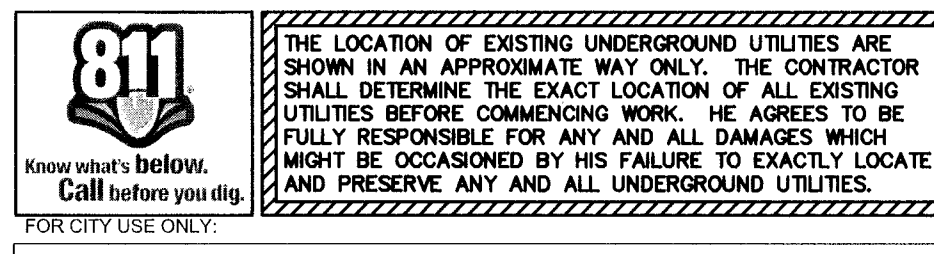
V:\2220\Growth\222010805\DWG\222010805WVP01.dwg
2017/08/08 3:15 PM BY 617.DMS/PLM 50 Pcs



LEGEND	
EXISTING	PROPOSED
PROPERTY LINE (R.O.W.) LINE	PROPERTY LINE (R.O.W.) LINE
RECORD INFORMATION	RECORD INFORMATION
LIGHT POLE	LIGHT POLE
DOWN GUT	DOWN GUT
TRANSFORMER (SIZE VARIES)	TRANSFORMER (SIZE VARIES)
GENERATOR (SIZE VARIES)	GENERATOR (SIZE VARIES)
FIRE HYDRANT	FIRE HYDRANT
WATER VALVE	WATER VALVE
WATER METER	WATER METER
WATER METER VAULT (SIZE VARIES)	WATER METER VAULT (SIZE VARIES)
CABLE TV RISER	CABLE TV RISER
ELECTRIC BOX	ELECTRIC BOX
ELECTRIC METER	ELECTRIC METER
GAS METER	GAS METER
GAS VALVE	GAS VALVE
GRATE INLET	GRATE INLET
CURB INLET (SIZE VARIES)	CURB INLET (SIZE VARIES)
STORMSEWER LINE	STORMSEWER LINE
WATER LINE	WATER LINE
FIRE LINE	FIRE LINE
WASTEWATER LINE	WASTEWATER LINE
GAS LINE	GAS LINE
UNDERGROUND ELECTRIC LINE	UNDERGROUND ELECTRIC LINE
OVERHEAD ELECTRIC	OVERHEAD ELECTRIC
UNDERGROUND TELEPHONE	UNDERGROUND TELEPHONE
UNDERGROUND CABLE AND INTERNET	UNDERGROUND CABLE AND INTERNET
TELECOMMUNICATIONS LINE	TELECOMMUNICATIONS LINE
ELECTRIC MANHOLE (SIZE VARIES)	ELECTRIC MANHOLE (SIZE VARIES)
WASTEWATER MANHOLE (SIZE VARIES)	WASTEWATER MANHOLE (SIZE VARIES)
STORMSEWER MANHOLE (SIZE VARIES)	STORMSEWER MANHOLE (SIZE VARIES)
WASTEWATER CLEANOUT	WASTEWATER CLEANOUT
WASTEWATER FLOW DIRECTION	WASTEWATER FLOW DIRECTION
CURB & GUTTER	CURB & GUTTER
CONCRETE SIDEWALKS	CONCRETE SIDEWALKS
WALL	WALL
FINISH FLOOR ELEVATION	FINISH FLOOR ELEVATION
CONTOUR	CONTOUR
TREE TO BE SAVED	TREE TO BE SAVED
W/ 1/2 CRITICAL ROOT ZONE	W/ 1/2 CRITICAL ROOT ZONE
HERITAGE TREE	HERITAGE TREE
W/ 1/2 CRITICAL ROOT ZONE	W/ 1/2 CRITICAL ROOT ZONE

- WATER & WASTEWATER NOTES**
1. WATER LINE A: WATER LINE SHALL BE DUCTILE IRON PIPE COMPLYING WITH AWWA C151. LINES 12" DIAMETER AND SMALLER SHALL BE PRESSURE CLASS 300. LINES GREATER THAN 12" DIAMETER SHALL BE PRESSURE CLASS 250.
 2. WATER LINE F:
 - A. MATERIAL MUST COMPLY WITH AWWA C900 PRESSURE CLASS 305 (DR14) AND BE RATED ABOVE DESIGN PRESSURE. ACCEPTABLE SIZES ARE 4", 6", 8", 12" AND 16".
 - B. AWWA C900 WATER PIPE SHALL NOT BE USED IN EASEMENTS ON PRIVATE PROPERTY AND SHALL NOT BE USED FOR WASTEWATER FORCE MAINS OR TO CONVEY ANYTHING BUT POTABLE WATER.
 - C. CHANGES IN DIRECTION OF PVC PIPE SHALL ONLY BE BY USE OF FITTINGS OR BY DEFLECTING STRAIGHT PIPE SECTIONS AT JOINTS.
 - D. LONGITUDINAL BENDING OF PIPE IS NOT ALLOWED.
 - E. DEFLECTION OF PIPE AT FITTINGS IS NOT ALLOWED.
 - F. DEFLECTION OF STRAIGHT PIPE SECTIONS SHALL NOT EXCEED 1 DEGREE AT EACH JOINT (EVEN IF JOINT RESTRAINT DEVICES ARE INSTALLED), WHICH CORRESPONDS TO THE FOLLOWING OFFSET IN PIPE ALIGNMENT: LENGTH OF PIPE, 20' OFFSET: 4" MAXIMUM. ALLOWABLE RADIUS OF CURVATURE IS 1:145 MINIMUM.
 3. ALL GATE VALVES FOR FIRE HYDRANT ASSEMBLIES SHALL BE LOCATED IN THE PAVEMENT IN ACCORDANCE WITH CITY OF AUSTIN STANDARD DETAIL 511-AW-02. RESTRAIN THE GATE VALVE TO THE TEE.
 4. GATE VALVE RISERS SHALL NOT BE PLACED IN CURB/GUTTER BUT SHALL EITHER BE PLACED IN STREET (WHERE FEASIBLE) OR BEHIND CURB.
 5. AT ALL CROSSINGS WITH UNDERGROUND UTILITIES AND STORM SEWERS, PIPE LENGTHS SHALL BE CENTERED AT CROSSING IN ORDER TO KEEP PIPE JOINTS AS FAR AS POSSIBLE FROM CENTER POINT OF CROSSING.
 6. CONTRACTOR SHALL TEST WATERLINES TO THE NEAREST CUTOFF VALVE AT ALL CONNECTIONS.
 7. ALL WASTEWATER SERVICE CONNECTIONS SHALL USE SEWER FITTINGS PER SPL WW-227B & 227D.
 8. ALL GRANTY WASTEWATER PIPE AND SERVICES SHALL BE GREEN-COLORED ASTM D3034 SDR-26 PVC.
 9. DETECTABLE TRACER TAPE PER SPL WW-597 SPECIFICATION AND INSTALLATION SHALL BE UTILIZED.
 10. PRESSURE TESTING PER CITY OF AUSTIN SPECIFICATIONS.
 11. ALL WASTEWATER MANHOLES WITHIN 9' OF WATER OR RECLAIMED WATER LINES SHALL BE MADE WATERTIGHT. (COA DETAIL 5055-6)
 12. NEW PIPE CONNECTIONS TO EXISTING MANHOLES SHALL PROVIDE A MINIMUM OF 12" CLEARANCE BETWEEN THE EXISTING PIPE INSIDE DIAMETER AND THE NEW CORE HOLE INSIDE DIAMETER, MEASURED ON THE INSIDE SURFACE OF THE MANHOLE PER LHM SECTION 2.8.7, NOTE 3.
 13. CONTRACTOR SHALL REMOVE ABANDONED INFRASTRUCTURE THAT CONFLICTS WITH PROPOSED PIPELINE AS NEEDED, PER LOC SECTION 2.6. ABANDONMENT REQUIREMENTS: CONTRACTOR TO NOTE THAT SOME EXISTING WATER AND WASTEWATER LINES HAVE BEEN PREVIOUSLY ABANDONED AND POTENTIALLY PAVED OVER. WASTEWATER MANHOLES AND WATERLINE APPURTENANCES HAVE BEEN ABANDONED IN PLACE AND ARE NO LONGER FUNCTIONING IN MULTIPLE LOCATIONS. CONTRACTOR SHALL REMOVE ABANDONED INFRASTRUCTURE THAT CONFLICTS WITH PROPOSED PIPELINE AS NEEDED AND PAY SPECIAL ATTENTION TO VERIFY INFRASTRUCTURE AS ABANDONED OR FUNCTIONING PRIOR TO ANY REMOVAL.
 14. CONTRACTOR TO PATCH PRIOR TO START OF CONSTRUCTION TO VERIFY UTILITY CROSSINGS.
 15. CONTRACTOR TO CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND CONTACT ENGINEER IF IT DIFFERS FROM AS-BUILT INFORMATION.
 16. CONTRACTOR TO CONFIRM IF EXISTING STREET LIGHTS ARE TO REMAIN AND THAT EXISTING CONDUITS AND BOXES DO NOT CONFLICT WITH PROPOSED UTILITIES.
 17. UNDERGROUND MAINS FEEDING NFPA 13 SPRINKLER SYSTEMS MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 13, AND THE FIRE CODE, BY A LICENSED SPRINKLER CONTRACTOR WITH A PLUMBING PERMIT. THE ENTIRE MAIN MUST BE HYDROSTATICALLY TESTED AT ONE TIME, UNLESS ISOLATION VALVES ARE PROVIDED BETWEEN TESTED SECTIONS.
 18. UNDERGROUND MAINS FEEDING PRIVATE HYDRANTS MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 24, AND THE FIRE CODE, BY A LICENSED CONTRACTOR WITH A PLUMBING PERMIT. THE ENTIRE MAIN MUST BE HYDROSTATICALLY TESTED AT ONE TIME, UNLESS ISOLATION VALVES ARE PROVIDED BETWEEN TESTED SECTIONS.
 19. ALL HORIZONTAL AND VERTICAL WATER LINE BENDS, TEES, GATE VALVES AND DEADENDS SHALL BE RESTRAINED TO THE WATER MAIN USING FACTORY RESTRAINED JOINT PIPS AS APPROVED IN SPL WW-276, OR MECHANICAL JOINT RESTRAINT DEVICES AS APPROVED IN SPL WW-27A. THE CALCULATED RESTRAINT LENGTH(S) SHALL BE INCLUDED AS CALLOUT NOTE IN THE PLAN VIEW AND PROFILE. CALLOUT FROM BEGINNING STATION TO END STATION PER LHM SECTION 2.8.2.B.3.

AUSTIN WATER REVIEWED
DATE: 06/12/2019
Austin Water Representative: [Signature]
No Changes to Austin Water Public Utilities as a result of this correction



SITE PLAN APPROVAL Sheet 35 of 52
FILE NUMBER: **SP-2017-0503C** APPLICATION DATE: **DECEMBER 11, 2017**
APPROVED BY COMMISSION ON: **N/A** UNDER SECTION **118** OF CHAPTER **20-5** OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE (20-5-01, LDC) CASE MANAGER: **C. DAVIS**
PROJECT EXPIRATION DATE (ORD.#070805-A) DWG#: **4-00**

Director, Development Services Department
RELEASED FOR GENERAL COMPLIANCE: [Signature]
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3

FINAL PLAN MUST BE RECORDED BY THE PROJECT EXPIRATION DATE, IF APPLICABLE. SUBSEQUENT SITE PLANS WHICH DO NOT COMPLY WITH THE CODE CURRENT AT THE TIME OF FILING, AND ALL REQUIRED BUILDING PERMITS AND/OR A NOTICE OF CONSTRUCTION (OR A BUILDING PERMIT IS NOT REQUIRED), MUST ALSO BE APPROVED PRIOR TO THE PROJECT EXPIRATION DATE.

CONTRACTOR TO VERIFY SIZE, LOCATION AND ELEVATION OF ALL EXISTING UTILITIES, AT TIE-IN AND CROSSING LOCATIONS, PRIOR TO START OF CONSTRUCTION

1905 Aldrich Street, Suite 300
Austin, TX 78722-3544
TBE # F-5324, TBPUS # 1019430
www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing. Any errors or omissions shall be reported to Stantec without delay. The drawing is for informational purposes only and shall not be used for construction or for any purpose other than that authorized by Stantec, its subsidiaries, or its affiliates.

Client/Project	HOUSING AUTHORITY OF THE CITY OF AUSTIN
Permit/Seal	
Pathways at Goodrich Place	2126 GOODRICH AVENUE
AUSTIN, TEXAS	
Title	WATER & WASTEWATER PLAN A
Revision	2C-AS-BUILT UPDATES
By	18.08.08
Appd.	TYMM-DD
Issued	

Project Number: 222010805
File Name: 222010805wvp01.dwg

Dwn. Chkd. Dsgn. TYMM-DD
Drawing No. DWGNO
Revision Sheet

36 of 59