



EXECUTIVE SUMMARY

The Austin Clean Water Program (ACWP) is required to present a semi-annual report to the City Council, Parks and Recreation Board and Environmental Board per City of Austin Ordinance 020627-115. This Ordinance established an integrated design/permitting process and an administrative process for approval of variances from specific sections of the City of Austin Land Development Code. The ACWP Ordinance was necessary to meet regulatory schedule milestones imposed by the US Environmental Protection Agency for critical projects within the ACWP.

A new Ordinance 030731-55 was passed on July 31, 2003 as an amendment to Ordinance 020627-115. This Ordinance allows for the administrative approval of variances from additional sections of the City of Austin Land Development Code, namely construction of access paths within the Critical Water Quality Zone (CWQZ) in order to allow access to ACWP sewer projects for emergency situations and maintenance.

ACWP Ordinance 020627-115 requires the semi-annual report to address three items:

- A list of variances granted under the Ordinance:
As of September 11, 2007: Sixty-four (64) variances for seventy-seven (77) permitted projects have been granted under this Ordinance (43 for CWQZ, 19 for CEFs and 2 for Access Paths).
- The construction status of any project granted a variance under the Ordinance.
As of September 11, 2007:
 - **Permits** – Fifty-two (52) ACWP projects have received permits under the process established by the ACWP Ordinance. An additional twenty-five (25) ACWP projects received permits under the General Permit process. General permit projects do not require variances.
 - **Construction** - There are currently five (5) ACWP permitted projects in construction. An additional seven (7) ACWP projects in construction were processed under the General Permit process.
 - **Substantial Completion/Closeout** – Five (5) ACWP permitted projects have reached substantial completion or are in close out. An additional one (1) substantially complete ACWP project was permitted under the General Permit process.
 - **Complete** – Thirty-nine (39) ACWP permitted projects are complete. An additional seventeen (17) ACWP projects were permitted under the General Permit process. One additional project, the ACWP Harold Court Emergency project, is also complete and did not require a permit due to its emergency status.
 - **Bidding or Pre-construction** – Sixteen (16) ACWP projects are in the bidding or pre-construction phase. Three (3) of these projects have received permits (3 ACWP permits).
 - **Design** – Three (3) ACWP projects are in the design phase.
- The status of review and permitting process for AO-related ACWP projects.
As of September 11, 2007: The required infrastructure inspection (sewer system evaluation study (SSES) and technical review (ACWP review of the SSES) is complete for all three



basins. The permitting process was initiated on January 15, 2003 and the ACWP has submitted more than 350 interim submittals through Intake for WPDRD review, including general permit projects.

PROCESS TO IDENTIFY AO-RELATED PROJECTS

Sewer system evaluation surveys (SSES) were performed by consultants outside the ACWP to determine the condition of the existing wastewater infrastructure. The SSES consultants made recommendations for proposed improvements to the system. The ACWP received the SSES studies, analyzed the recommendations and made independent suggestions for remediation based on the findings. The ACWP's independent suggestions were outlined in technical memoranda. The project sites were visited by the Stream Team and the information was presented in AO reports. The resulting 87 projects were then assigned to design consultants from the ACWP rotation list.

In addition to those projects identified through the SSES process, an additional 7 projects were identified by the AWU as critical. These projects were also assigned to design consultants from the ACWP rotation list.

STATUS OF REVIEW AND PERMITTING FOR AO-RELATED ACWP PROJECTS

There are currently ninety-four (94) ACWP projects within the Crosstown Basin, Onion and Govalle Basins. Table 1 includes details about route studies, granted and currently anticipated variances, and potential use of parkland. The status column indicates the most recent phase that has been completed for each project.

Project Highlights:

- Nineteen (19) of the ninety-four (94) ACWP projects included route studies to consider new alignments outside the creeks. All these projects will move at least a portion of the line out of the creeks. Others are evaluating the use of alternative/trenchless construction technology to limit environmental impact.
- Fifty-five (55) of the ninety-four (94) ACWP projects are currently anticipated to require a variance for development/wastewater within the critical water quality zone (Land Development Code 25-8-361). Forty-three (43) of these variances have been approved and are noted as approved in Table 1.
- Twenty-three (23) of the ninety-four (94) ACWP projects are currently anticipated to require a variance to work within the 150-foot buffer space of a critical environmental feature, including wetlands, springs, canyon rimrock or bluffs (Land Development Code 25-8-281). Nineteen (19) of these variances have been approved and are noted as approved in Table 1.
- Two of the ACWP projects are currently anticipated to require a variance to construct an access path within the Critical Water Quality Zone (Land Development Code 25-8-261).



These variances have been approved. Table 2 lists all projects which anticipate a variance from 25-8-261.

- Twenty-eight (28) of the ACWP projects are currently anticipated to require use of parkland for either installation of wastewater lines or for construction of permanent access.
- All of the ACWP projects have been submitted to the City of Austin for a minimum of 30%, 60% or 90% permitting review. Only three (3) projects remain in the design phase and are at the 100% stage.
- Seventy-seven (77) of the ACWP projects have received permits, including twenty-five (25) general permits.
- Fifty-seven (57) ACWP projects are complete. Thirty-nine (39) of the projects were ACWP permitted. The remaining seventeen (17) were permitted under the General Permit process. The ACWP Harold Court Emergency Project is also complete but did not receive a permit due to its emergency status.
- Six (6) ACWP projects have reached substantial completion or are in close out. Five (5) of the projects were ACWP permitted. The remaining one was permitted under the General Permit process.
- There are currently five (5) ACWP permitted projects in construction. An additional seven (7) ACWP projects in construction were processed under the General Permit process
- Sixteen (16) ACWP projects are in the bidding or pre-construction phase (3 ACWP Permits).
- Three (3) ACWP projects are in the design phase.

ACWP Assessment Procedure

The ACWP has established a procedure for review of projects that have not acquired all necessary easements. An assessment application is submitted with the project to the Watershed Protection and Development Review Department. If a project reaches 100% and has outstanding easements, the case manager issues an assessment approval, stating all comments have been addressed and the project may not be constructed until real estate issues are resolved.

NEXT STEPS FOR THE AUSTIN CLEAN WATER PROGRAM

The ACWP will continue to manage the design phase of all projects and will continue submitting plans to Intake for interim reviews at the 100% completion level (there are only three (3) remaining design projects and they are at the 100% stage).

Following the permitting phase, the ACWP will move projects through bid/award phase and into construction.



AUSTIN CLEAN WATER PROGRAM

SEMI-ANNUAL REPORT

September 2007

The next semi-annual report will be presented to City Council, Environmental Board and the Parks and Recreation Board in approximately six months.



Table 1 –ACWP Projects

PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		Parks Use
								CWQZ Variance	Critical Environmental Feature –Spring, Wetland, Rimrock or Bluff	
1. Govalle 1–Townlake Park Segment	Complete	100%	GV-Town Lake	0%	0%	No	-	No	No	Yes
2. Govalle 3–Montopolis Drive Streambank Erosion	Complete	0%	GV-Carson	100%	0%	No	-	Yes - APPROVED	No	Yes
3. Govalle 5–Taylor Slough South	Complete	100%	GV–Taylor South	5% three crossings	95%	Yes	Yes	Yes – APPROVED	YES – Wetland – APPROVED	Yes
4. Hwy 183 Siphon Replacement	Complete	100%	CT-Little Walnut	0%	100%	No	-	No	No	No
5. Little Walnut – Dungan St.	Complete	100%	CT–Little Walnut	0%	100%	No	-	No	No	No
6. Little Walnut – Little Emily Way	Complete	100%	CT–Little Walnut	0%	100%	No	-	No	No	No
7. Little Walnut – Meadowood Drive	Complete	100%	CT–Little Walnut	0%	100%	No	-	No	No	No
8. Little Walnut – Rockhurst Lane	Complete	100%	CT–Little Walnut	0%	100%	No	-	No	No	No
9. Little Walnut Rehabilitation, Loyola Lane	Complete	100%	CT–Little Walnut	0%	100%	No	-	No	No	No
10. Lower South Boggy–Phase	Complete	100%	ON–South Boggy	100%	0%	No	-	Yes – APPROVED	Yes–Spring, Wetland – APPROVED (2)	Yes
11. Shoal Creek WW Improvements Seton/Churchill	Complete	100%	CT–Shoal	5%	95%	No	-	Yes – APPROVED	No	No
12. South Congress Overflow Abatement	Complete	100%	ON–Slaughter	0%	100%	No	-	No	No	No
13. Upper Shoal–Lower Hancock Branch @ North Loop	Complete	100%	CT–Upper Shoal	100%	0%	No	-	YES–APPROVED	No	No
14. Upper Shoal–Spicewood Branch @ Foster Lane	Complete	100%	CT–Upper Shoal	5%	95%	Yes	Some	Yes–APPROVED	No	No
15. Upper Shoal–Upper Hancock Branch @ Hardy Drive	Complete	100%	CT–Upper Shoal	0%	100%	No	-	No	No	No
16. Upper Tannehill–Airport & I35	Complete	100%	CT–Upper Tannehill	33%	67%	Yes	Some	Yes–APPROVED	No	No



PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		
								CWQZ Variance	Critical Environmental Feature – Spring, Wetland, Rimrock or Bluff	Parks Use
17. Upper Tannehill–Briarcliff & Belfast	Complete	100%	CT–Upper Tannehill	58%	42%	Yes	All	Yes–APPROVED	No	No
18. Upper Tannehill–Lower Fort Branch–Manor Hills	Complete	100%	CT–Upper Tannehill	70%	30%	No	–	Yes–APPROVED	No	No
19. Upper Tannehill–Old Manor	Complete	100%	CT–Upper Tannehill	70%	30%	No	–	Yes–APPROVED	No	No
20. Wellington/Boggy Creek	Complete	100%	Govalle	0%	100%	No	–	No	No	No
21. West University Phase 1	Complete	100%	CT–Upper Shoal	0%	100%	No	–	No	No	Yes
22. West University, Phase 2	Complete	100%	CT–Upper Shoal	70%	30%	No	No	Yes – APPROVED	Yes – Rimrock – APPROVED	Yes
23. Westgate/Tahoe	Complete	100%	ON–Williamson	100%	0%	Yes	All	No	No	No
24. Windsor Phase 1	Complete	100%	GV–Shoal	0%	100%	No	–	No	No	Yes
25. Windsor Phase 2	Complete	100%	GV–Shoal	0%	100%	No	–	No	No	Yes
26. Great Streets & Lower Little Walnut	Complete	100%	CT –Little Walnut	0%	100%	No	-	No	No	No
27. Harold Court SSO Emergency Project	Complete	100%	GV- Boggy	100%	0%	No	-	No	No	No
28. Onion Creek/Lower South Boggy Phase II	Complete	100%	GV-Boggy	0%	100%	No	-	No	No	No
29. Govalle 3–Wickershire Lane/ Burseson Court (Phase 1)	Complete	100%	GV–Country Club	2%	98%	No	–	Yes – APPROVED	No	Yes
30. Little Walnut/Buttermilk at 290 & 183 – 183 crossing	Complete	100%	CT-Little Walnut	0%	100%	No	-	No	No	No
31. Little Walnut/Buttermilk – Colony Creek North (Capital Metro)	Complete	100%	CT-Walnut	0%	100%	No	-	No	No	No
32. Barn Swallow Drive	Complete	100%	GV–Eanes	0%	100%	No	–	Yes – APPROVED	Yes – APPROVED	No
33. Little Walnut/Buttermilk– Colony Creek South	Complete	100%	CT–Little Walnut	100%	0%	No	–	Yes – APPROVED	YES – Wetland – APPROVED	No
34. Shoal Creek WW Improvements 25 th to 29th	Complete	100%	CT–Shoal	0%	100%	No	–	Yes – APPROVED	No	Yes



PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		Parks Use
								CWQZ Variance	Critical Environmental Feature – Spring, Wetland, Rimrock or Bluff	
35. Upper West Waller–45th & Speedway	Complete	100%	CT–Upper Waller	15%	85%	Yes	All	Yes–APPROVED	No	No
36. Upper Shoal–Spicewood Branch @ Wood Hollow Drive	Complete	100%	CT–Upper Shoal	100%	0%	Yes	Some	Yes–APPROVED	Yes–Spring, Wetland–APPROVED	No
37. Upper Shoal–Spicewood Springs Road West of Mesa Blvd.	Complete	100%	CT–Upper Shoal	0%	100%	Yes	All	No	No	No
38. 13 th Street WW Improvements	Complete	100%	GV–Town Lake and Waller	0%	100%	No	–	No	No	No
39. Chicon Street WW Improvements	Complete	100%	GV–Town Lake and Waller	0%	100%	No	–	No	No	No
40. Pedernales Street 8-inch WW Improvements	Complete	100%	GV–Town Lake and Waller	0%	100%	No	–	No	No	No
41. San Bernard Street WW Improvements	Complete	100%	GV–Town Lake and Waller	0%	100%	No	–	No	No	No
42. Breeze Way/ Auburndale	Complete	100%	CT–Little Walnut	95%	5%	No	No	Yes – APPROVED	Yes – Wetland – APPROVED	Yes
43. Govalle 3–Town Lake/ Riverside Area Drive	Complete	100%	GV–Town Lake	10%	90%	No	–	Yes – APPROVED	No	No
44. Govalle 3–Wickershire Lane/ Burleson Court (Phase 2)	Complete	100%	GV–Country Club	5%	95%	No	–	Yes–APPROVED	No	No
45. Little Walnut – Georgian Drive	Complete	100%	CT–Little Walnut	100%	0%	No	–	Yes - APPROVED	No	No
46. Little Walnut/Buttermilk–Colony Creek North	Complete	100%	CT–Little Walnut	100%	0%	No	–	Yes – APPROVED	Yes – Wetland – APPROVED	No
47. Little Walnut/Buttermilk–Little Walnut @ 290/183	Complete	100%	CT–Little Walnut	100%	0%	No	–	Yes–APPROVED	Yes–Spring, Rimrock–APPROVED	No
48. Little Walnut/Buttermilk–Little Walnut North	Complete	100%	CT–Little Walnut	57%	43%	No	–	Yes - APPROVED	Yes – Wetland –APPROVED	No
49. Little Walnut/Buttermilk–Little Walnut South	Complete	100%	CT–Little Walnut	100%	0%	Yes	All	Yes –APPROVED	Yes–Wetland –APPROVED	Yes
50. Little Walnut/Buttermilk–Quail Creek	Complete	100%	CT–Little Walnut	82%	18%	Yes	Some	Yes – APPROVED	Yes – Wetland – APPROVED	Yes
51. Moss/Rountree/ Pannell–WW	Complete	100%	GV–Upper Boggy	0%	100%	No	–	Yes – APPROVED	No	No



PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		Parks Use
								CWQZ Variance	Critical Environmental Feature – Spring, Wetland, Rimrock or Bluff	
52. P2, P9, T11, Williamson	Complete	100%	ON-Williamson	100%	0%	Yes	All	No	No	Yes
53. Shoal Creek Channel Stabilization	Complete	100%	CT-Shoal	100%	0%	No	-	No	No	Yes
54. Shoal Creek WW Improvements 29th St. to 34th St. (Tunnel)	Complete	100%	Border of Crosstown/Govalle	Under Creek	5%	No	-	Yes – APPROVED	YES – Rimrock and Springs – APPROVED	Yes
55. Upper Shoal-Lower Hancock Branch	Complete	100%	CT-Upper Shoal	80%	20%	Yes	Most	Yes-APPROVED	Yes-Spring, Wetland/Bluff-APPROVED	No
56. Govalle 3-Carson Creek at Montopolis Drive	Complete	42%	GV-Carson	100%	0%	No	-	Yes -APPROVED	Yes – Wetland, Spring – APPROVED	No
57. 12 th Street WW Improvements	Complete	0%	GV-Town Lake and Waller	0%	100%	No	-	No	No	No
58. Little Walnut - Bridgeport Fairfield	Substantial Completion	10%	CT-Little Walnut	5%	95%	No	-	Yes - APPROVED	No	No
59. Little Walnut/Buttermilk-Little Walnut @ Centre Creek	Substantial Completion	100%	CT-Little Walnut	100%	0%	No	-	Yes – APPROVED	Yes – Spring, Rimrock – APPROVED	No
60. Downtown/Whitehorse Trail WW Improvements Phase II	Substantial Complete	85%	GV – Town Lake	60%	40%	No	-	Yes – APPROVED (2)	No	No
61. Little Walnut/Buttermilk-Buttermilk Creek	Substantial Completion	100%	CT-Buttermilk	86%	14%	Yes	Most	Yes – APPROVED	No	No
62. Upper Tannehill-Broadmoor & Cameron	Substantial Completion	100%	CT-Upper Tannehill	98%	2%	Yes	Most	Yes-APPROVED	Yes-Wetland-APPROVED	Yes
63. 4th Street WW Improvements	Substantial Completion	0%	GV-Town Lake and Waller	0%	100%	No	-	No	No	No
64. Govalle 5-Johnson Creek	Construction	0%	GV-Johnson	100%	0%	Yes	Yes	Yes - APPROVED	No	No
65. Barton Springs Lift Station Relief Tunnel	Construction	100%	GV-Barton Springs Zone	10%	90%	Yes	Some	Yes – APPROVED	Yes – Spring – APPROVED	Yes
66. Downtown / Whitehorse Trail WW Improvements Phase I	Construction	65%	GV-Town Lake	0%	100%	No	-	No	No	No
67. Ft. Branch Bridge & Channel (350 ft Bore)	Construction	85%	CT-Little Walnut	100%	0%	No	-	Yes-APPROVED	No	No
68. Govalle 1-West of Lamar	Construction	--	GV-West Bouldin and Barton	5%	95%	No	-	Yes -APPROVED	No	Yes



PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		Parks Use
								CWQZ Variance	Critical Environmental Feature – Spring, Wetland, Rimrock or Bluff	
69. Govalle 3–Montopolis Drive Area	Construction	--	GV–Carson, Country Club	0%	100%	No	--	No	No	Yes
70. 11 th Street Alley WW Improvements	Construction	--	GV–Town Lake and Waller	0%	100%	No	--	No	No	No
71. Angelina Street WW Improvements	Construction	--	GV–Town Lake and Waller	0%	100%	No	--	No	No	No
72. Govalle 5–Bowman Ave/Townes Lane & West 29th	Construction	--	GV–Johnson, Shoal and Taylor South	0%	100%	No	--	No	No	No
73. Barton Heights and Kinney Avenue W and WW Improvements	Construction	--	GV–West Bouldin	0%	100%	No	--	No	No	No
74. Upper Waller SSO (30 th to 31 st) – Priority 1	Construction	--	GV–Waller	0%	100%	No	--	No	No	No
75. Webberville Road WW Improvements	Construction	--	GV–Town Lake and Waller	0%	100%	No	--	No	No	No
76. Govalle 3–Parker Lane/ Metcalfe Road	Bid	--	GV–Country Club	95%	5%	No	--	Yes	No	No
77. Govalle 1–East of Lamar	Bid	--	GV–West Bouldin and East Bouldin	2%	98%	No	--	Yes - APPROVED	Yes – Spring	Yes
78. Govalle 1–Newton Street	Bid	--	GV–East Bouldin	20%	80%	No	--	Yes - APPROVED	No	No
79. Little Walnut and Upper Ft. Branch SSO (Rogge/Sweeney, overbrook/Darlington) – Priority 1	Bid	--	CT–Walnut/Fort Branch	40%	60%	No	--	Yes	No	No
80. Cross-Town SSO (Harris Park) – Priority 1	Bid	--	CT–Shoal	0%	100%	No	--	No	No	No
81. Govalle 2–Harper’s Branch	Bid	--	GV–Travis Heights	100%	0%	Yes	Yes	No	No	No
82. Govalle 4–Manor/Comal/Rosewood WW Improvements	Bid	--	GV–Boggy	0%	100%	No	--	Yes	Yes – Wetland	Yes
83. Govalle 4–UT/West 40 th WW Improvements	Bid	--	GV–Waller	0%	100%	No	--	Yes - APPROVED	No	No



PROJECT NAME	Status	Percent Constructed	Subbasin	Existing Line in Creek	Existing Line in Street or Outside Creek	Route Study	Alternate Route Chosen	Anticipated Variances from LDC		Parks Use
								CWOZ Variance	Critical Environmental Feature – Spring, Wetland, Rimrock or Bluff	
84. Govalle 5–Wethersfield/Hartford	Bid	--	GV–Johnson, Shoal and Taylor South	0%	100%	No	--	No	Yes	No
85. Upper Tannehill Interceptor	Bid	--	CT–Upper Tannehill	90%	10%	No	-	Yes	No	No
86. Govalle 2 – Blunn Creek	Bid	--	GV- Blunn	0%	100%	No	-	Yes	No	No
87. Govalle 4–Waller/Pedernales WW Improvements	Bid	--	GV–Town Lake and Waller	0%	100%	No	-	Yes	No	Yes
88. 24 th and Green	Bid	--	GV–Shoal	0%	100%	Yes	No	No	No	Yes
89. Govalle SSO (W. 5 th and 6 th Street)	Bid	--	GV- Fort Branch	0%	100%	No	-	Yes	No	No
90. Gaston Lane WW Improvements	Bid	--	Crosstown	5%	95%	No	-	Yes	No	Yes
91. Govalle 2–Travis Heights	Bid	--	GV–E. Bouldin and Blunn	0%	100%	No	-	Yes	No	Yes
92. Siphons @ Waynesburg Cove, Loyola/Manor	Design 100%	--	CT–Little Walnut	100%, crossing	0%	No	-	Yes	No	Yes
93. Govalle 1–South 2 nd Street Reroute–Phase 1	Design 100%	--	GV–East Bouldin	50%	50%	Yes	Most	Yes	Yes – Rimrock and Spring	Yes
94. Govalle /Crosstown Various SSO (Marshall/Murray, Confederate, Upper Tannehill) – Priority 1	Design 100%	--	CT–Upper Tannehill	0%	100%	No	-	Yes	No	No

TABLE 2
Access Paths Approved Under Ordinance 030731-55

	PROJECT NAME	Watershed	Barton Springs Zone (Y/N)	Retaining Structure Needed?	Variance Approved?
1	Upper Shoal, Lower Hancock	Shoal	N	No	No
2	Upper Shoal, Spicewood @ Foster	Shoal	N	Yes	None Required
3	Shoal Creek Tunnel	Shoal	N	No	Yes
4	Little Walnut South Tunnel	Little Walnut	N	No	Yes
5	Siphon @ Waynesburg Cove, Loyola/Manor	Little Walnut	N	No	No

Note: All projects listed above are in the Crosstown Basin. No variances have been requested or granted under this Ordinance for the Govalle or Onion Basins



Austin Clean Water Program

CITY OF AUSTIN

ENVIRONMENTAL BOARD

SEMI-ANNUAL REPORT

September 2007





Program Update

- ◆ Most aggressive bidding and construction to date.
- ◆ Advertised 24 of the 29 projects scheduled to be advertised in 2007.
- ◆ All projects are scheduled to be awarded and in construction phase by March 2008.
- ◆ All projects are scheduled to be completed by December 2008.
- ◆ Work remaining includes 199,841 feet (39 miles) of traditional open cut construction and 8,124 feet (1.5 miles) of trenchless technology.
- ◆ May require an extension to the Ordinance No. 020627-115 through the remainder of the program for permitting the remaining projects and possibly for change requests





ACWP Highlights

- ◆ Managing/Tracking 101 individual projects; all projects on or ahead of schedule.
- ◆ Private Lateral Repair Program approved by City Council January 2007.
- ◆ Peak Flows Decreased at WW Treatment Plants in 2007 (with heavy rain season)
- ◆ Shoal Creek Pump Station has experienced no overflows in 2007
- ◆ Water Quality in Streams *Improving*
- ◆ Line televising for the Root Control Program Pilot Study has been completed and Pilot study was successful





Neighborhood Meetings

- ◆ Held quarterly meetings with Citizens Advisory Group (CAG), Private Lateral Task Force and numerous meetings with neighborhood groups.

<ul style="list-style-type: none"> - Zilker - Heritage - West Austin Neighborhood Group - Hyde Park - North Austin Civic Association - Friends of Norwood Estate Dog Park - Blackshear/Prospect Hill Neighborhood Assoc. - Old West Austin Neighborhood Association - Barton Heights 	<ul style="list-style-type: none"> - Vance Circle - Barton Hills - Pemberton Heights - Greenbelt Guardians - Montopolis Drive Area - Bouldin Creek Neighborhood Association - Burleson Heights Neighborhood Association - South Lamar Neighborhood Association - West End Austin Alliance
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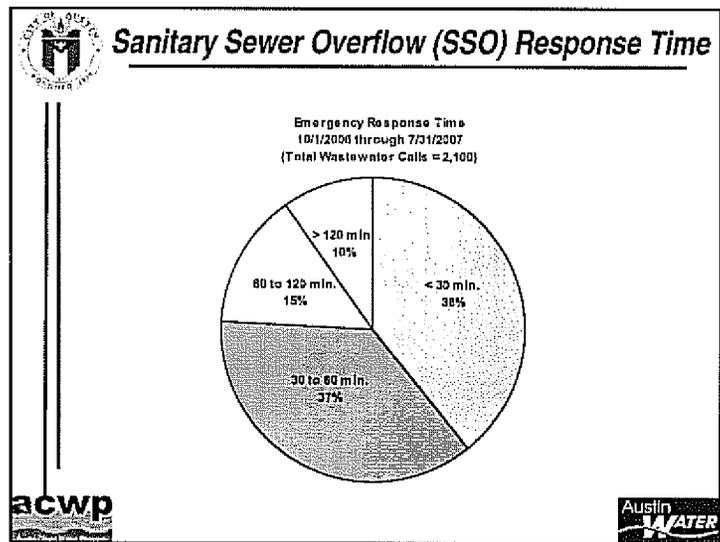
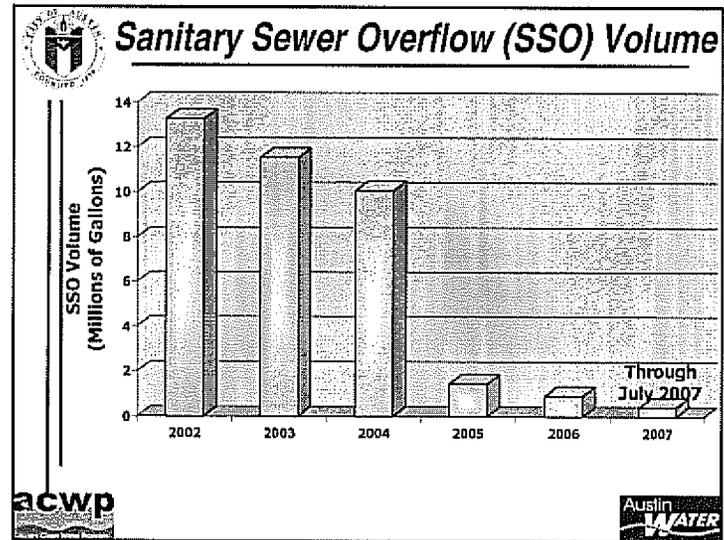



Continued Maintenance

Capacity, Management, Operation and Maintenance (CMOM) program to continue beyond capital improvements.

- Six Service Contracts for continued rehabilitation in addition to AWU existing City crew's maintenance programs to eliminate any potential future AO.
- Summary of the contracts and quantities completed to date:
 - Cleaning and Televising (551,320 L.F.)
 - Pipe Lining Small Diameter (111,285 L.F.)
 - Pipe Lining Large Diameter (88,098 L.F.)
 - Sewer Relay and Small Repairs (8,747 L.F., 185 Service Laterals)
 - Manhole Rehab (1,159 Repaired, 13 New)
 - Tree Mitigation (64 Trees)

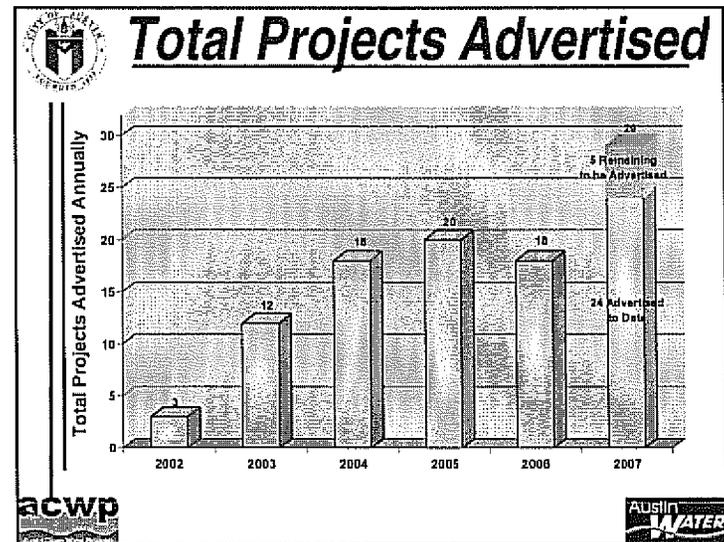
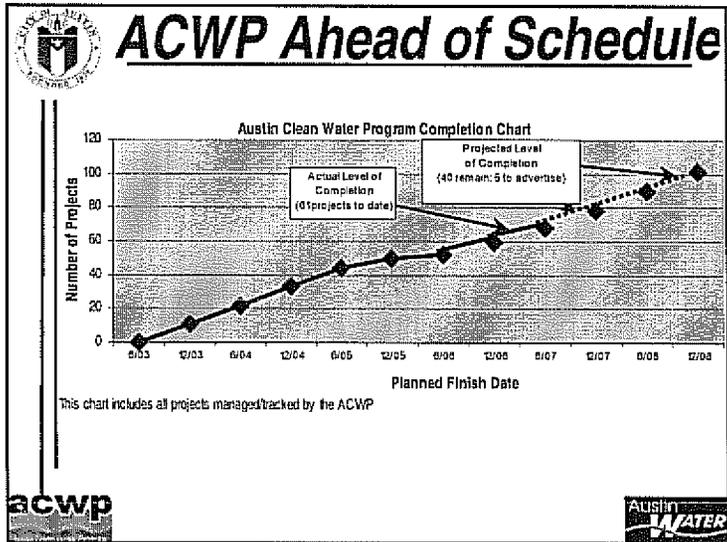
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CIP Project Snapshot

Project Phase	ACWP	Non-ACWP	Total
	Managed Projects	Managed Projects	
Completed:	38	0	38
Substantially Complete:	23	0	23
Construction:	16	1	17
Bidding/Contracting:	15	3	18
Design:	4	1	5
TOTAL PROJECTS:	96	5	101

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Construction Progress

ACWP Projects:	
Pipe Installed Using Open Cut Method:	139,311 LF (~26 miles)
Pipe Installed Using Trenchless Methods:	47,453 LF (~9 miles)

Construction Progress

ACWP AO Related Projects:	
Total Improvements (Actual Bid + Total Est. Remaining):	\$249,756,181
Total Projects Awarded To Date:	\$145,560,386
Paid to Contractor to Date:	\$119,842,114
ACWP Change Orders:	
Projects Awarded to Date:	\$145,560,386
Current Contract Value	\$150,553,813
Percentage Increase	3.4%



Contractor Outreach

Contractor Assistance Program (CAP)

- ◆ Contractor Assistance Program ... “Cradle to Grave Support”
 - Technical & Financial Qualification and Assessment
 - Bonding Program
 - Working Capital
 - Project Support
 - Good Faith Effort
 - Promote M/WBE Contractor networking





CAP - Successes

CAP Contractors	29
CAP Contractor Bids on Projects	57
CAP Contractors Provided Bid Bonds	66
Projects Awarded to CAP Contractors	21
CAP Subcontractors on Awarded Projects	5
CAP Contractors in Construction	4
TOTAL CAP SAVINGS	\$12,319,313





M/WBE Participation Construction

Category	Construction – All Projects		
	Original DSMBR Goals		Low Bidder's DSMBR Approved Goals
	Range for ACWP Projects	Weighted Average	
African-American	2.1% - 12.1%	5.2%	3.3%
Hispanic	7.9% - 20.4%	11.6%	10.7%
Native/Asian-American	0.1% - 2.98%	0.8%	0.6%
Total Minority-Owned	11.9% - 27.5%	18.4%	16.3%
Women-Owned	5.3% - 16.9%	7.9%	11.7%
TOTAL M/WBE		26.3%	28.0%

NOTE: ACWP projects with engineer's estimate below \$500,000 have only MBE goals, without ethnic sub-goals. Total Minority-owned figures above include these projects.

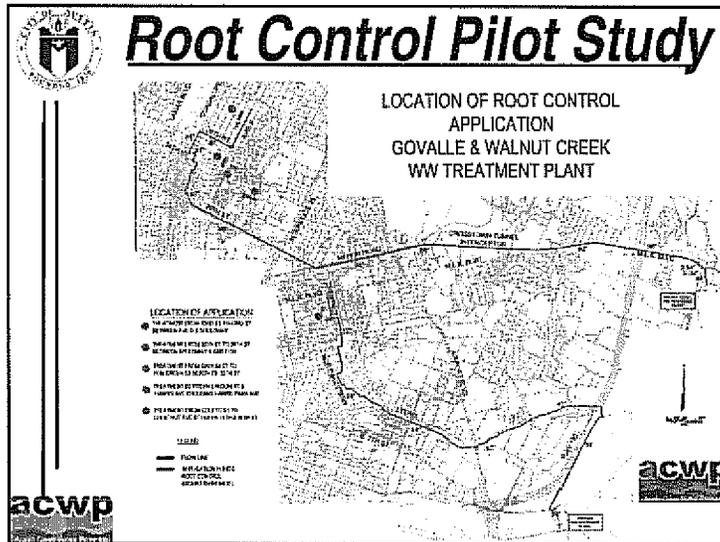




M/WBE Participation for Design & PMC

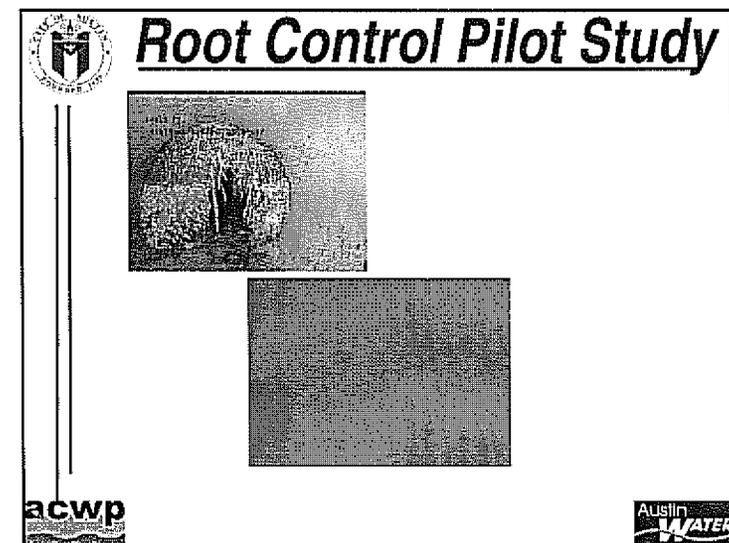
Category	Total M/WBE	
	City Goals	Actual
ACWP Program -PMC	26.9%	47.6%
Design	26.9%	56.4%
Construction	26.3%	28.0%



- ## Root Control Pilot Study
- ◆ Root Control Pilot Program was performed followed all stakeholders requirements.
 - ◆ Diquat Dibromide was applied on May 8, 2006 at eleven wastewater pipes totaling 3,057 LF.
 - ◆ Sampling was taken at 9 locations along route to Walnut Creek and Govalle WWTP, at the WWTP Influent, Effluent and Sludge and on the Dillo Dirt at Hornsby Bend Biosolids Facility.
 - ◆ The analytical results indicated that NO diquat dibromide was detected in any of the samples above the required reporting limits.
- acwp
- Austin WATER

- ## Root Control Pilot Study
- ◆ Post application CCTV showed a large decrease in the amount of root mass that previously existed in each pipe.
 - ◆ A follow up field survey was conducted of landscaping located near the treated pipes and as a result there were no apparent negative effects on vegetation – Working with City Arborist to do final walk through inspection.
 - ◆ Results show that use of diquat dibromide is a safe and effective method for controlling roots in sanitary sewers.
- acwp
- Austin WATER



Monitoring Improvements in Water Quality

Working with COA Water Resource Evaluation Section on Monitoring ACWP Projects and Impact on Water Quality

EII for ACWP

- Majority of indices indicate post-project improvement
- More data needed after completion of projects

Note:
The Environmental Integrity Index (EII) is a citywide monitoring program by the COA Water Resource Evaluation Section that measures a variety of environmental quality indicators on a rotating 3-year cycle.

Based on 2003 versus 2006 data for 6 sites below ACWP projects

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Removing Active Pipes from Creeks and Streambank Restoration

- Little Walnut Creek-Buttermilk Branch
- Little Walnut Creek-Quail Creek Branch
- Shoal Creek-Foster Branch
- Shoal Creek-Hancock Branch
- Boggy Creek
- Tannehill Branch Creek
- Taylor slough South
- Johnson Creek
- Barlon Creek
- West Bouldin Creek
- East Bouldin Creek
- Blunn Creek
- West Country Creek
- Carson Creek
- South Boggy Creek
- Eanes Creek

acwp Austin WATER

Removing Active Pipes from Creeks and Streambank Restoration

SUMMARY OF PROJECTS WITH CREEK IMPROVEMENTS AUSTIN CLEAN WATER PROGRAM		
Number of Projects	61 (of 101 overall Program Projects)	
Pipe Rehab in CWQZ-all methods	16,674 L.F.	3.2 Miles
New Pipe in CWQZ-all methods (with trench restoration - non-structural erosion control, mowing / vegetation)	83,323 L.F.	17.7 Miles
Rehab Manhole in CWQZ-all dia (rehabbed manholes with watertight sealed locking covers)	67	--
Structural Streambank Restoration / Stabilization	11,477 L.F.	2.2 Miles
Structural Streambank Restoration / Stabilizations	11,876 SQ. YDS.	
Total Streambank Restoration (Approx.) Cost	\$6,000,000	

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Program Location Map

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Summary of Projects

Little Walnut Quail Creek

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Construction Photos

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Little Walnut Quail Creek (Before)

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Construction Photos

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Little Walnut Quail Creek (After)

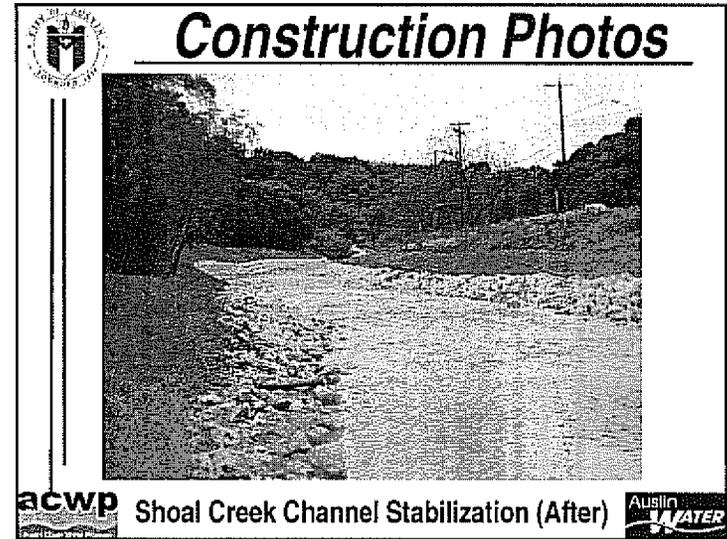
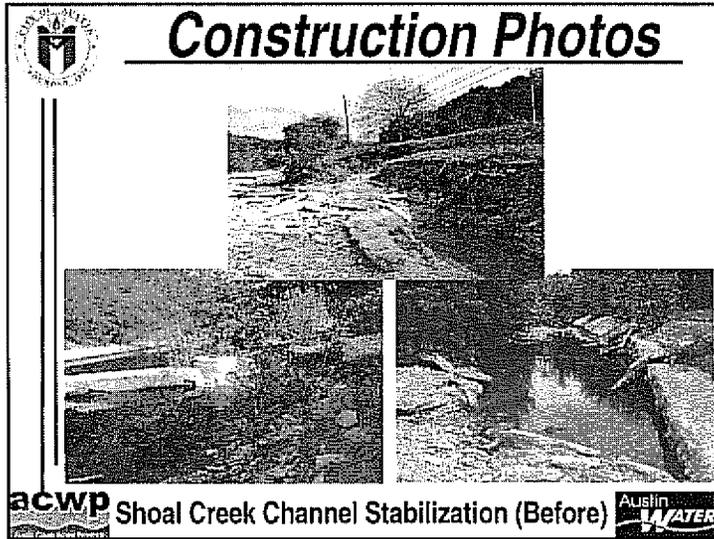
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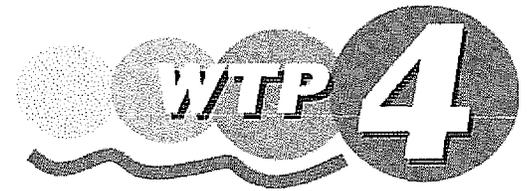
Key Projects – In Construction

Shoal Creek Channel Stabilization

acwp

Austin WATER





September 17, 2007
Volume 2, Issue 5
info@wtpfour.com
498-9874

**Water Treatment
Plant 4**

News for Neighbors

City Council Delays Water Treatment Plant 4 Construction

The construction of Water Treatment Plant 4 (WTP 4) has been delayed for up to one year, as City leaders — concerned about ongoing environmental questions and costs regarding the Bull Creek site—capitalize on the additional time provided by the new Water Conservation Task Force initiatives and take another look at all site alternatives.

At its meeting last month, the Austin City Council directed the City staff to:

- Delay construction of WTP 4 for not more than one year.
- Go forward with an environmental cumulative impact assessment for Bull Creek and all the other steps necessary to account for the possible listing of the Jollyville Plateau Salamander on the U.S. Fish and Wildlife Service's endangered species list.
- Perform a full review and re-examine the site selection criteria for a Lake Travis supplied water treatment plant with possible reduced ultimate capacity of 150 or 200 Million Gallons per Day (MGD) rather than the planned 300 MGD.
- Re-examine previously reviewed sites and examine new sites in light of possible new site selection criteria.

- Implement the Water Conservation Task Force program and identify additional initiatives to ensure an adequate supply of water for the citizens of Austin in the interim. The recently accelerated and more aggressive water conservation program has afforded the City more time to identify the best site.

City staff immediately began efforts to implement Council directives. Updates on those efforts will be provided in an upcoming newsletter. Previous plans to hold a stakeholder meeting this fall have been delayed until 2008.

For more background information, please go to the WTP 4 web site at <http://www.ci.austin.tx.us/water/wtpfour.htm> or email info@wtpfour.com.

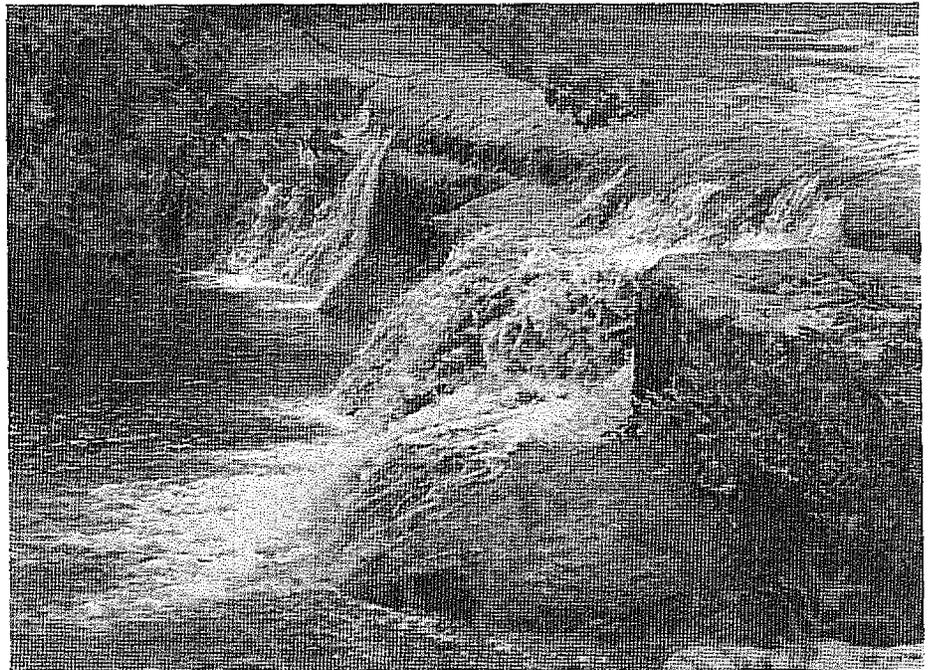


City of Austin
Water Treatment Plant 4 Project
Public Involvement Office
8401 Shoal Creek Blvd.
Austin, Texas 78757
Visit our web site at
<http://www.ci.austin.tx.us/water/wtpfour.htm>

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Contact Information

AWU welcomes feedback from stakeholders. Please email questions and comments to info@wtpfour.com or call us at 498-9874. This report is mailed and emailed to stakeholders, including residents and businesses within a 5-mile radius of the proposed new plant site. We've also included those property owners who live and/or work adjacent to the City's three other water treatment plants, Ullrich, Green and Davis. AWU encourages you to sign up for the electronic version of this report instead of receiving the mailed version to help conserve resources. If you or someone you know want to receive this report electronically, please go to http://www.ci.austin.tx.us/water/subscribe_reports.htm.



Visit our web site at <http://www.ci.austin.tx.us/water/wtpfour.htm>

The Environmental Board meetings for 2008 will be on the first and third Wednesday's of each month. See below.

January 2, 2008 Cancelled
January 16, 2008
February 6, 2008
February 20, 2008
March 5, 2008
March 19, 2008
April 2, 2008
April 16, 2008
May 7, 2008
May 21, 2008
June 4, 2008
June 18, 2008
July 2, 2008 moved to July 9, 2008
July 16, 2008
August 6, 2008
August 20, 2008
September 3, 2008 moved to
September 10, 2008
September 17, 2008
October 2, 2008
October 15, 2008
November 15, 2008
November 19, 2008
December 3, 2008
December 17, 2008

New Year's Day January 1
Martin Luther King, Jr.'s Birthday Third Monday in January
Washington's Birthday Third Monday in February
Memorial Day Last Monday in May
Independence Day July 4
Labor Day First Monday in September
Veteran's Day November 11
Thanksgiving Day Fourth Thursday in November
Thanksgiving Day Fourth Friday after Thanksgiving
Christmas Eve* December 24