CITY OF AUSTIN, TEXAS

PUBLIC WORKS DEPARTMENT

WALNUT CREEK INFLUENT BANK STABILIZATION - SITE 5

FDU: 4570-2307-8732

CIP SUBPROJECT ID: 3023.040

WW ID: S-2013-0055

MAYOR
LEE LEFFINGWELL

CITY COUNCIL MEMBERS
CHRIS RILEY, PLACE 1
MIKE MARTINEZ, PLACE 2
KATHIE TOVO, PLACE 3
LAURA MORRISON, PLACE 4
BILL SPELMAN, PLACE 5
SHERYL COLE, PLACE 6, MAYOR PRO TEM

CITY MANAGER
MARC A. OTT

GENERAL CONSTRUCTION NOTES:

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
2. CONTRACTOR SHALL CALL DIG TESS (1-800-DIG-TESS) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W. OR OTHER AREAS.
3. CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION (DPWT) AT 974-7161 AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET R.O.W. THE METHOD OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S R.O.W. MUST BE APPROVED PRIOR TO THE START OF BACKFILL OPERATIONS.
4. FOR SLOPES OR TRENCHES MORE THAN FIVE (5) FEET IN DEPTH, "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS ITEM NO. 509 AND APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)." COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 E. 6TH STREET, AUSTIN, TEXAS.
5. DEVELOPER INFORMATION

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:

COMPANY: CAS CONSULTING & SERVICES, INC.
CONTACT: DOUG NICHOLS, P.E.
ADDRESS: 7908 CAMERON ROAD
AUSTIN, TX 78754
PHONE: (512)-836-2388
FAX: (512)-836-4515

OWNER: CITY OF AUSTIN
CONTACT: STEVE PARKS P.
ADDRESS: 505 BARTON SPRINGS RD. #900
AUSTIN, TEXAS 78701
PHONE: (512) 974-3576
FAX:

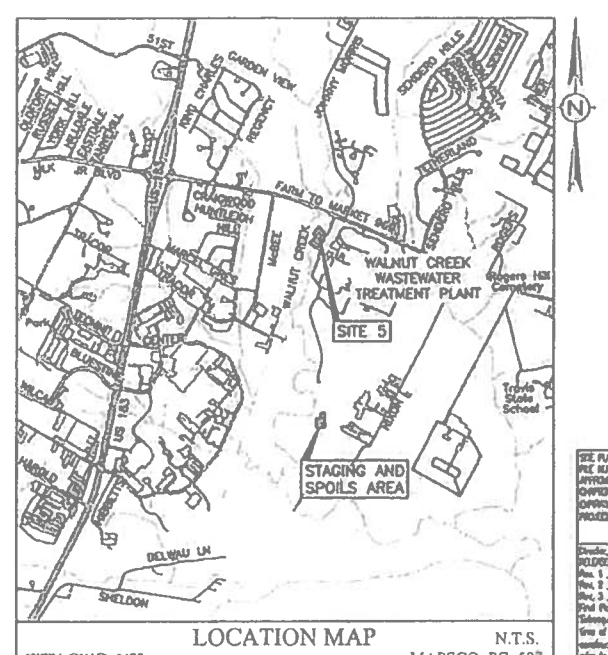
PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:
COMPANY: CONTRACTOR
PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:
COMPANY: CONTRACTOR

NOTES:

1. COFFERDAM INSTALLATION AND WORK BELOW THE ORDINARY HIGH WATER MARK ELEVATION SHALL ONLY OCCUR FROM JUNE 1 TO OCTOBER 1.
2. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO STARTING CONSTRUCTION OR CLEARING OPERATIONS.
3. CONTRACTOR SHALL CALL "ONE CALL" AT 1-800-344-8377 FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO ANY WORK.
4. THIS PROJECT IS LOCATED WITHIN THE WALNUT CREEK WATERSHED (CLASSIFIED AS SUBURBAN) AND SHALL BE DEVELOPED, CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 25 OF THE CODE OF THE CITY OF AUSTIN.
5. NO PORTION OF THIS SITE IS LOCATED WITHIN PARKLAND OR LAND USED FOR PARK PURPOSES.
6. A PORTION OF THIS SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN, PER CITY OF AUSTIN AND FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS, PANEL #48453C0470H, EFFECTIVE SEPTEMBER 26, 2008.
7. THIS PROJECT IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS DEFINED BY THE CITY OF AUSTIN. THIS PROJECT IS NOT WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
8. THERE ARE NO CRITICAL ENVIRONMENTAL FEATURES WITHIN 150' OF ANY PORTION OF THIS PROJECT. A FIELD INVESTIGATION HAS BEEN PERFORMED AS A PART OF THIS PROJECT.
9. THE STANDARD SHEETS INCLUDED IN THIS PLAN SET WERE PROVIDED BY THE COA PROGRAM OFFICE FOR USE ON COA PROJECTS ONLY. IF ANY MODIFICATIONS TO THE SHEETS WERE MADE, THEY ARE CLEARLY INDICATED ON THE SHEET ITSELF AND IN THE COVER SHEET INDEX.
10. PROJECT SCHEDULE MUST BE APPROVED BY THE PROJECT MANAGER. INSTALLATION AND REMOVAL OF TEMPORARY AND PERMANENT EROSION/SEDIMENTATION CONTROLS MUST BE REFLECTED IN THE SCHEDULE, BY STATION NUMBER. PROJECT MANAGER MUST BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.
11. APPROPRIATE EASEMENTS/APPROVALS MUST BE SECURED AND DOCUMENTED FOR PROJECT AREAS LOCATED OUTSIDE OF RIGHT OF WAYS. NO WORK SHALL BE PERFORMED WITHIN THESE AREAS UNTIL ASSOCIATED RIGHT OF ENTRY HAS BEEN SECURED. ADDITIONALLY, THIS PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ALL RECORDED EASEMENT DOCUMENT NUMBERS HAVE BEEN OBTAINED AND SHOWN ON PLANS.
12. LEGAL PROPERTY DESCRIPTION – JAMES BURLESON SURVEY No.19 ABSTRACT No.4 – 269.7 ACRES CITY OF AUSTIN VOL. 2564, PG 41 D.R.T.C.T.
13. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
14. THE LIMITS OF CONSTRUCTION FOR THIS PROJECT IS 3.5 ACRES.
15. THIS PROPERTY IS WITHIN THE CONTROLLED COMPATIBLE LAND USE AREA DEFINED BY CHAPTER 241 OF THE LOCAL GOVERNMENT CODE. DEVELOPMENT ON THIS PROPERTY IS LIMITED BY CHAPTER 25-13 OF THE AUSTIN CITY CODE. AIRPORT HAZARDS AS DEFINED IN FEDERAL AVIATION REGULATIONS PART 77, AS ADOPTED BY THE CITY IN SECTIONS 25-13-23, ARE PROHIBITED.
16. AN ADMINISTRATIVE VARIANCE WAS GRANTED PER SECTION 25-8-42(B)(6) OF THE LDC FOR CUT/FILL UP TO 20 FEET.

REVISIONS/CORRECTIONS

NUMBER	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO.'S	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMP. COVER (SQ.FT.)	TOTAL SITE IMP. COVER (SQ.FT.)/%	CITY OF AUSTIN APPROVAL DATE	DATE IMAGED



LOCATION MAP
CITY GRID: N23
N.T.S.
MAPSCO: PG. 587

SITE PLAN APPROVAL SHEET ___ OF ___
FILE NUMBER ___ APPROVAL DATE ___
APPROVED BY COMMISSION ON ___ UNDER SECTION ___ OF CHAPTER ___ OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) ___ CASE MANAGER ___
PROJECT EXPIRATION DATE (SEE ATTACHED-4) ___ DATE ___

Director, Watershed Protection and Development Review
RELEASED FOR GENERAL COMPLIANCE: ___ ZONING ___
Rev. 1 ___ Correction 1 ___
Rev. 2 ___ Correction 2 ___
Rev. 3 ___ Correction 3 ___
Final Plat 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 (if a building permit is not required), must also be approved prior to the Project Expiration Date.

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C-1	COVER SHEET
C-2	EROSION CONTROL NOTES
C-3	EROSION CONTROL DETAILS
C-4	EROSION, SEDIMENTATION CONTROL, AND TREE PROTECTION PLAN
C-5	SPOILS AND STAGING AREA
C-6	PROPERTY MAP
C-7	TREE LIST, QUANTITIES, AND BORING LOGS
C-8	SITE 5 PLAN AND PROFILE
C-9	STREAM CHANNEL DETAILS
C-10	SITE 5 CROSS SECTIONS
C-11	GRADING TRANSITIONS
C-12	PUMPING PLAN
C-13	MISCELLANEOUS DETAILS
C-14	FORCEMAIN REALIGNMENT PLAN AND PROFILE
C-15	WASTEWATER DETAILS 1 OF 2
C-16	WASTEWATER DETAILS 2 OF 2
C-17	REVEGETATION PLAN MATCH LINES PLAN
C-18	REVEGETATION PLAN ENLARGEMENT 1 OF 2
C-19	REVEGETATION PLAN ENLARGEMENT 2 OF 2
C-20	LANDSCAPE DETAILS
C-21	LANDSCAPE NOTES

C12

PROJECT INFORMATION:

WALNUT CREEK INFLUENT BANK STABILIZATION – SITE 5
AT THE WALNUT CREEK WASTEWATER TREATMENT PLANT

PROJECT MANAGER:
STEVE PARKS P.E
PUBLIC WORKS DEPARTMENT
505 BARTON SPRINGS RD. #900
AUSTIN, TEXAS 78704
512-974-3576

STREET ADDRESS:
7113 FM 969
AUSTIN, TX 78724

PERMIT NO.:
SP-2013-0317D

OWNER:
AUSTIN WATER UTILITY
625 E. 10TH STREET
AUSTIN, TEXAS 78701

SUBMITTAL DATE:
AUGUST 23, 2013

SUBMITTAL PREPARED BY:

CAS CONSULTING & SERVICES INC.
7908 CAMERON ROAD
AUSTIN, TEXAS 78754
(512) 836-2388
REG. No. F-003572

STATE OF TEXAS
DOUG NICHOLS
56237
12-0-2013

CONTACT:
DOUG NICHOLS, P.E.
PHONE:
(512) 836-2388

APPROVALS:

APPROVED BY:

AUSTIN FIRE DEPARTMENT — DATE

APPROVED BY:
AUSTIN WATER UTILITY — DATE

CITY OF AUSTIN PARKS AND RECREATION DEPARTMENT — DATE

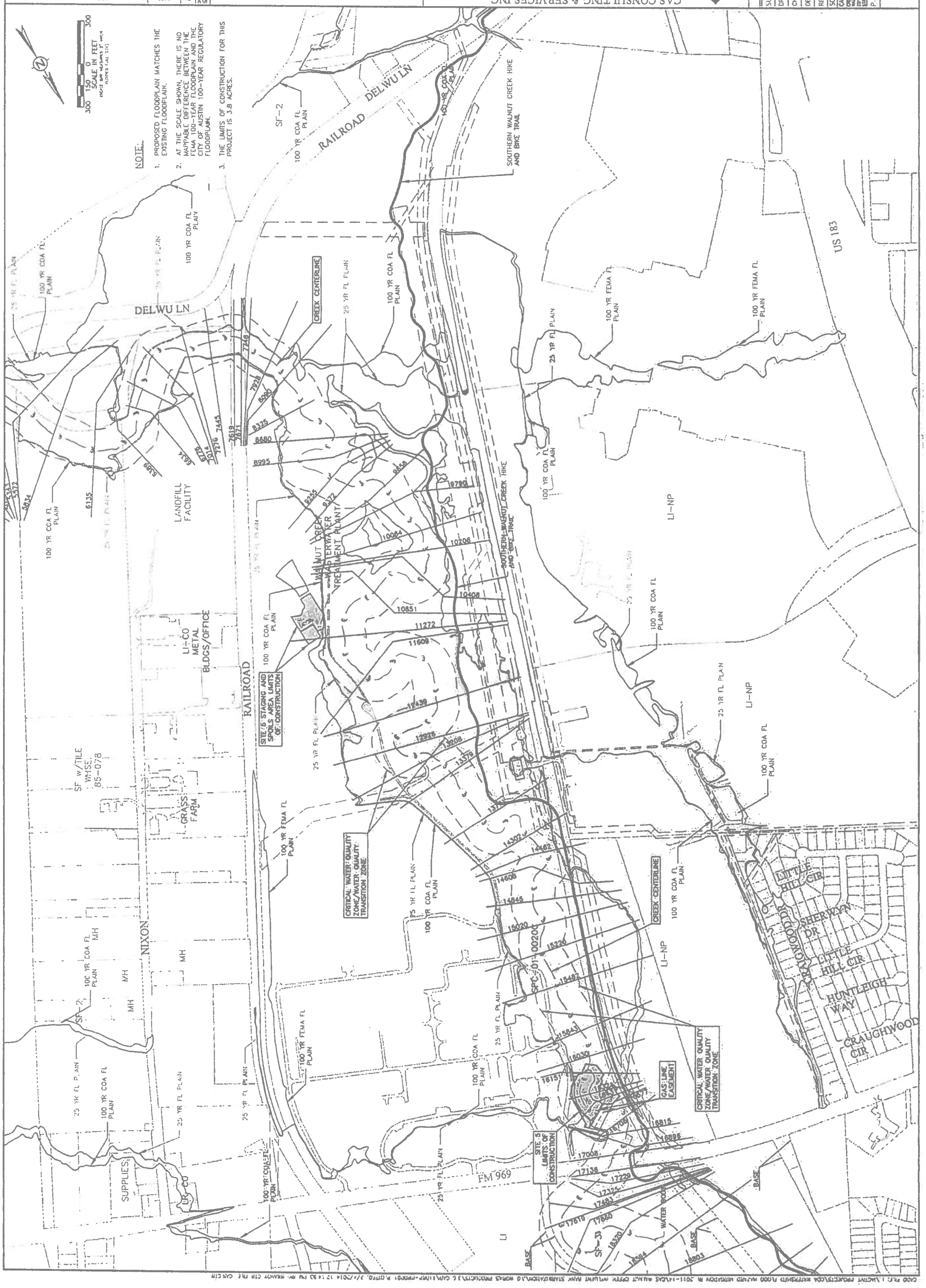
CITY OF AUSTIN PLANNING AND DEVELOPMENT REVIEW DEPARTMENT — DATE

SITE PLAN/DEVELOPMENT PERMIT NUMBER — DATE

NOTES:

1. RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.
2. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.
3. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE SITE PLAN AMENDMENT AND APPROVAL OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
4. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING AND FIRE CODE APPROVAL NOR BUILDING PERMIT APPROVAL.
5. ADDITIONAL ELECTRIC EASEMENTS MAY BE REQUIRED AT A LATER DATE.

SP -2013-0317D



CAS CONSULTING & SERVICES INC
7908 CAMERON RD
AUSTIN, TEXAS 78754
REG. No. F-00372

WALNUT CREEK INFLUENT BANK STABILIZATION - SITE 5
7113 FM 969, AUSTIN, TX 78724

PROPERTY MAP

NOTES	NAME	DATE
SURVEY BY	VAC	12/12
DRAWN BY	RF	12/12
CHECKED BY	JD	04/13
DESIGNED BY	DH	04/13
REVIEWED BY	DH	04/13

SCALE: AS SHOWN

CADD FILE: 11108F PROFILE.DG

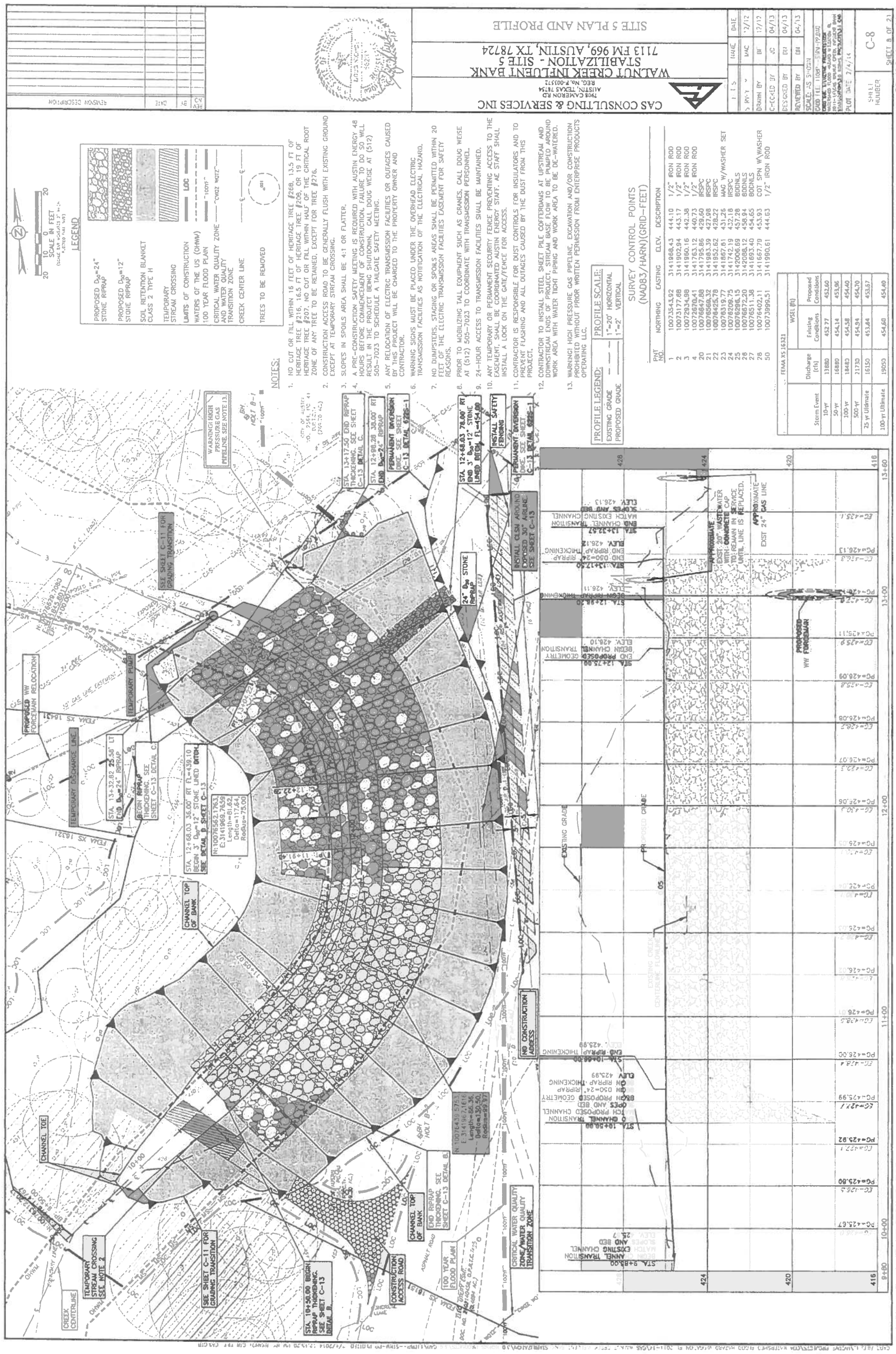
P.O.T. DATE: 2/4/14

SHEET NUMBER C-6

SHEET 6 OF 21

SP -2013-0317D

REV. NO.	BY	DATE	REVISION DESCRIPTION



CAS CONSULTING & SERVICES INC
7904 CAMERON RD
AUSTIN, TEXAS 78754
REG. No. F-00152

WALNUT CREEK INFLUENT BANK STABILIZATION - SITE 5
7113 FM 969, AUSTIN, TX 78724

SITE 5 PLAN AND PROFILE

REV NO	BY	DATE	REVISION DESCRIPTION

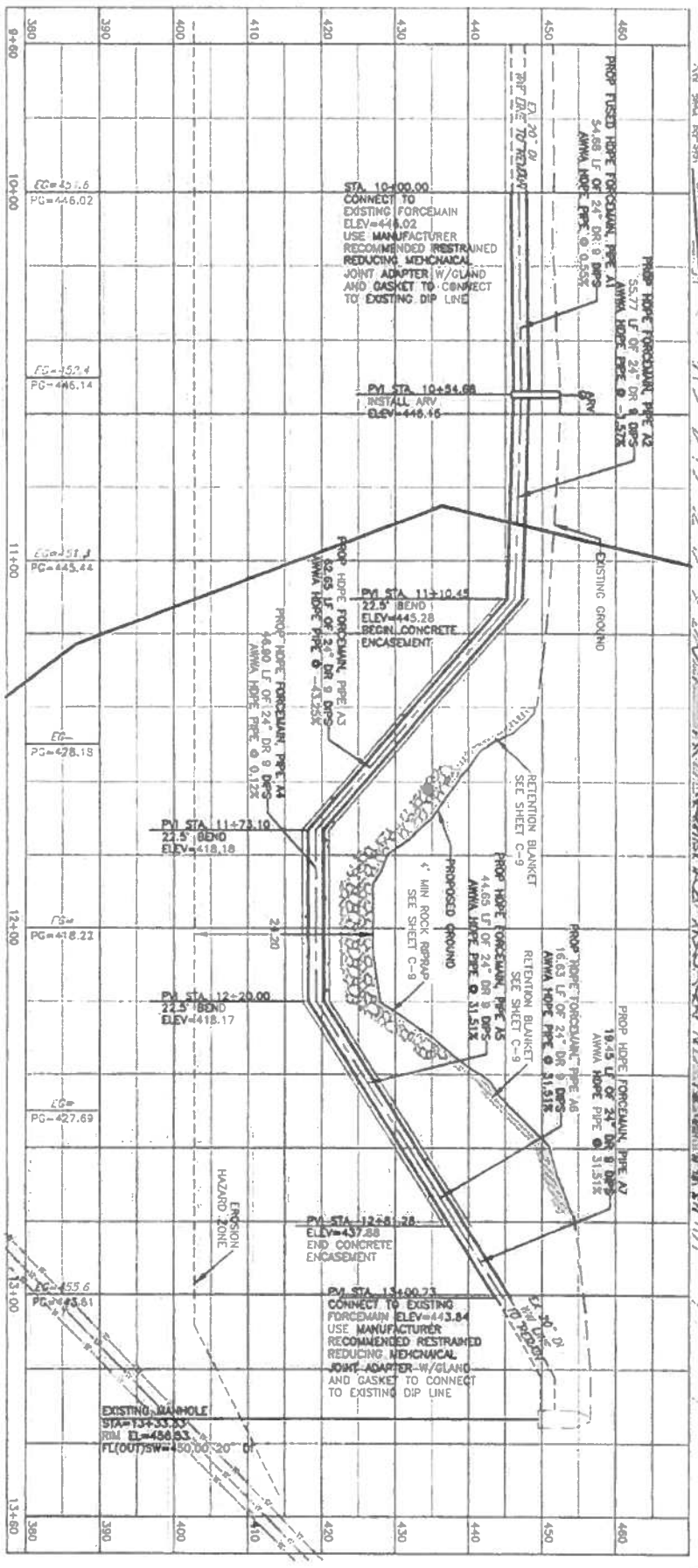
	NAME	DATE
DRAWN BY	MAC	12/12
CHECKED BY	JC	04/13
DESIGNED BY	DM	04/13
REVIEWED BY	DM	04/13

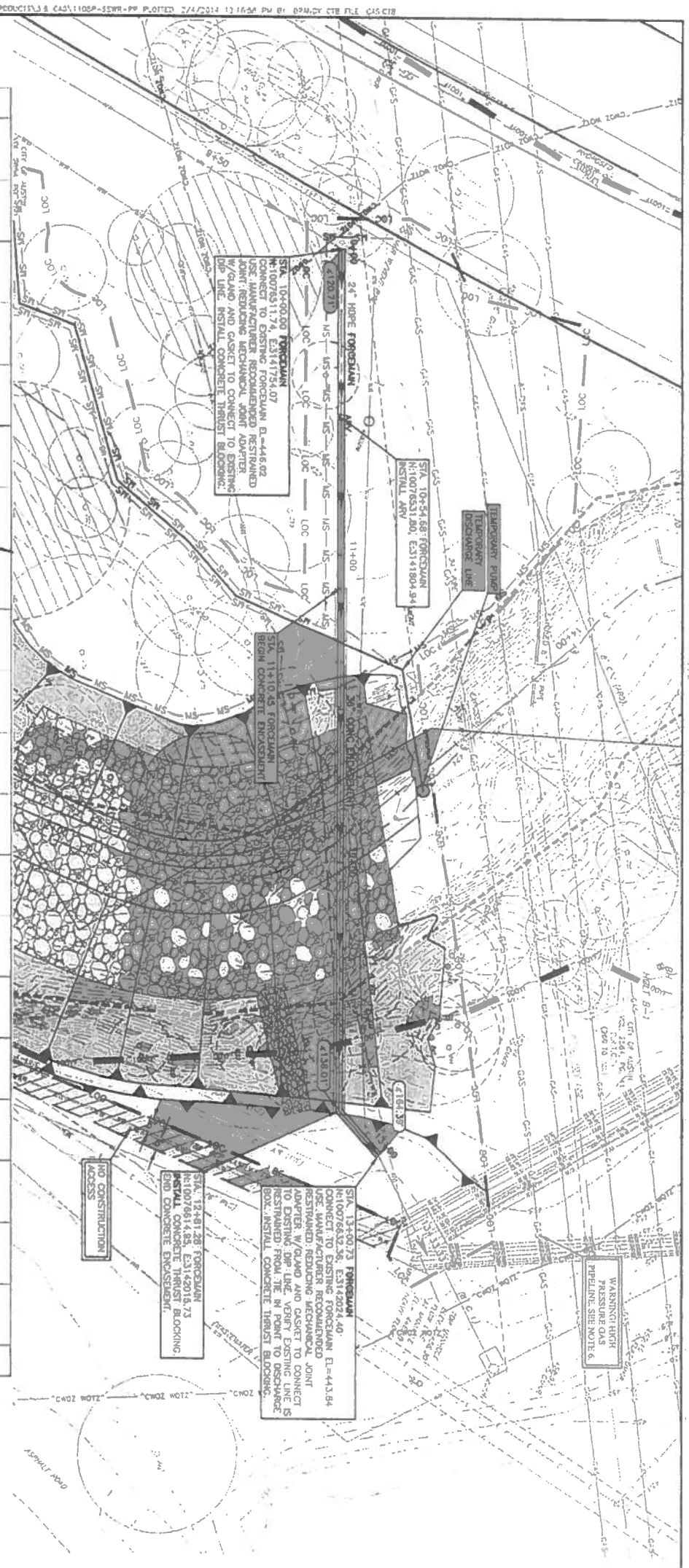
SCALE: AS SHOWN

SHEET NUMBER C-8

SHEET 8 OF 21

SP -2013-0317D





PROFILE LEGEND:	
EXISTING GRADE	— — —
PROPOSED GRADE	———
EROSION HAZARD ZONE	- - - -

PROFILE SCALE:	
1"=20' HORIZONTAL	
1"=10' VERTICAL	

NOTES:

1. CONTRACTOR TO VERIFY TIE IN ELEVATIONS.
2. PERFORM TESTING AND HAVE ACCEPTED PRIOR TO CUTTING OVER FLOW.
3. CONNECTION AND BENDS PER MANUFACTURER RECOMMENDATIONS.
4. COORDINATE WITH JAMES BENNETT OR OWNER'S REPRESENTATIVE, PHONE NO. 512-581-1202, A MINIMUM OF 60 DAYS IN ADVANCE OF CUT OVER.
5. SUBMIT BYPASS PUMPING AND TIE IN PLAN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.
6. WARNING! HIGH PRESSURE GAS PIPELINE, EXCAVATION AND/OR CONSTRUCTION PROHIBITED WITHOUT PRIOR WRITTEN PERMISSION FROM ENTERPRISE PRODUCTS OPERATING LLC.

CAS CONSULTING & SERVICES INC
7908 CAMERON RD
AUSTIN, TEXAS 78754
REG. No. F-003572

WALNUT CREEK INFLUENT BANK
STABILIZATION - SITE 5
7113 FM 969, AUSTIN, TX 78724

FORCEMAIN REALIGNMENT PLAN AND PROFILE

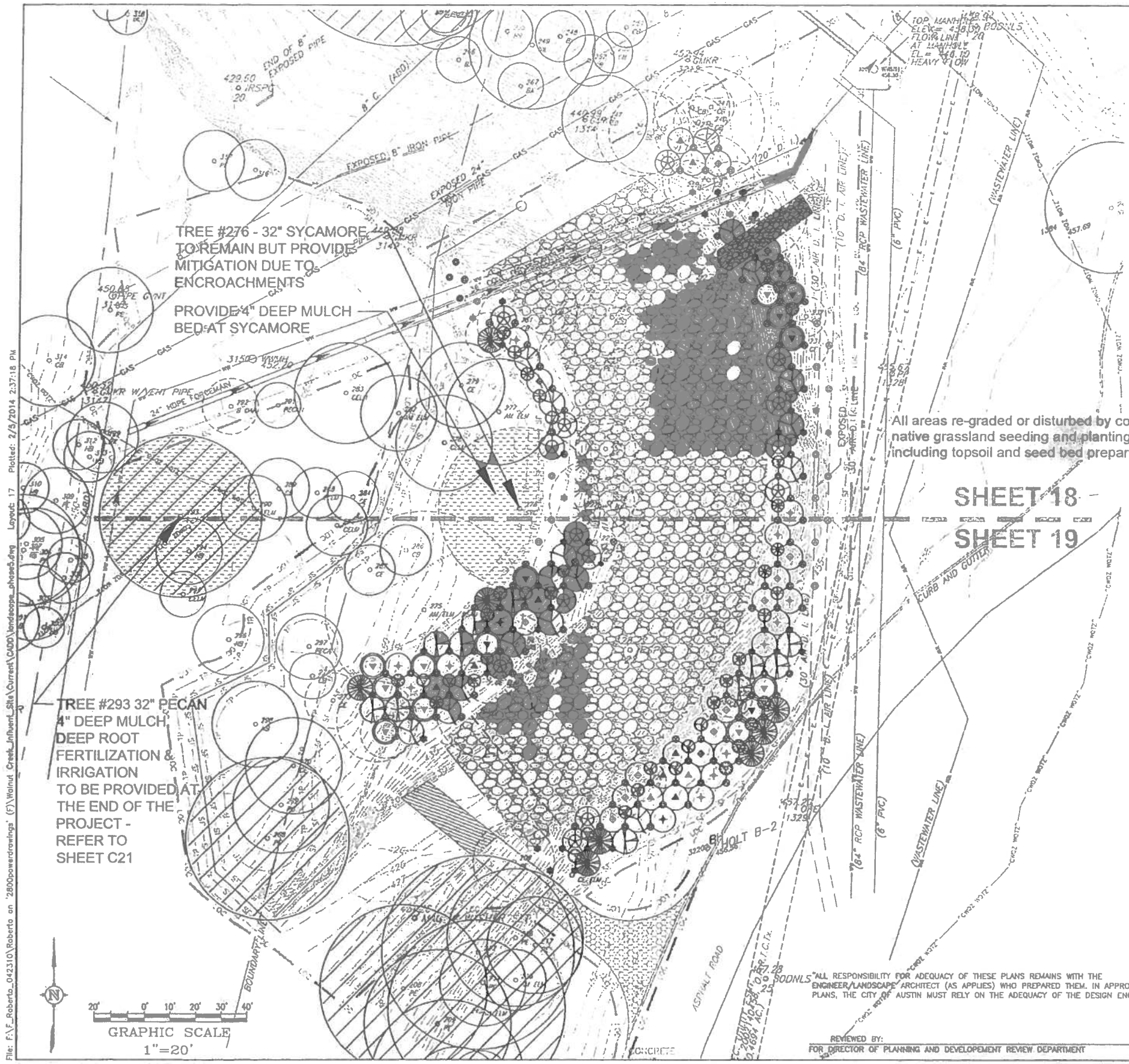
REV. NO.	BY	DATE	REVISION DESCRIPTION

NOTES	NAME	DATE
SURVEY BY	MAC	12/12
DRAWN BY	BF	12/12
CHECKED BY	JD	04/13
DESIGNED BY	DN	04/13
REVIEWED BY	DN	04/13

SCALE: AS SHOWN
CADD FILE: 110BP-SSWR-PP.DWG
PLOT DATE: 2/4/14

SHEET NUMBER C-14
SHEET 14 OF 21

SP-2013-0317D



FOR PLANT LIST, REFER TO SHEET C18 OR C19

All areas re-graded or disturbed by construction will require re-vegetation & restoration using native grassland seeding and planting per City of Austin Standard Specification 609S.6, including topsoil and seed bed preparation, temporary irrigation, and weed maintenance

TREE REPLACEMENT CALCULATIONS

Tree removed	QTY.	IN.		Replacement Ratio	Replacement Caliper IN.
Heritage	0	0		300%	0
19" diameter or larger	2	51		100%	51
8 – 18.9" diameter	24	275		50%	138
Total	26	315		Total	189 required

Proposed mitigation – 102 trees at 1.5" each, 42 trees at 1" each
Totals 195" planted

Payment Into Urban Forestry Fund: NA
Per ECM, 3.5.4 Mitigative Measures

=EXISTING HERITAGE TREE

FOR INFORMATION ONLY
URBAN FORESTRY ACCOUNTING PURPOSES

1. Total Appendix F tree inches surveyed: 1505 inches
2. Total Appendix F tree inches removed: 389 Inches
3. Total Non-Appendix F tree inches removed: 152 inches
4. Total Invasive tree inches removed: 152 inches (same as #3)
5. Total mitigation inches planted on site: 195 inches

"ALL RESPONSIBILITY FOR ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER/LANDSCAPE ARCHITECT (AS APPLIES) WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE DESIGN ENGINEER."

REVIEWED BY:
FOR DIRECTOR OF PLANNING AND DEVELOPEMENT REVIEW DEPARTMENT DATE

SP-2013-0317D

NO.	DR	CK	DATE	DESCRIPTION
3			02/05/14	UPDATE 2 – SITE PERMIT
2			11/26/13	UPDATE 1 – SITE PERMIT
1			08/20/13	ISSUED FOR SITE PERMIT

REVISIONS

GARCIA DESIGN INC.
LANDSCAPE ARCHITECTURE
PLANNING-URBAN DESIGN
11500 Metric Blvd.
Bldg. M-1, Suite 150
AUSTIN, TEXAS 78758
Phone: (512) 832-9333 Fax: (512) 832-9334
email: roberto@garciadesigninc.net
http://www.garciadesigninc.net

REGISTERED LANDSCAPE ARCHITECT ROBERTO C. GARCIA 1992 STATE OF TEXAS
Feb. 6, 2013

WALNUT CREEK INFLUENT BANK STABILIZATION - SITE 5
7113 FM 969
AUSTIN, TX 78724

REVEGETATION PLAN MATCH LINES PLAN

DESIGN BY:	RG
DRAWN BY:	NH
REVIEW BY:	RG
APPROVED BY:	RG
PROJECT NO.:	#####
DATE	08/20/13
SCALE:	AS_NOTED
REVISION:	NA
DWG. NO.	C-17
SHEET	17 OF 21