

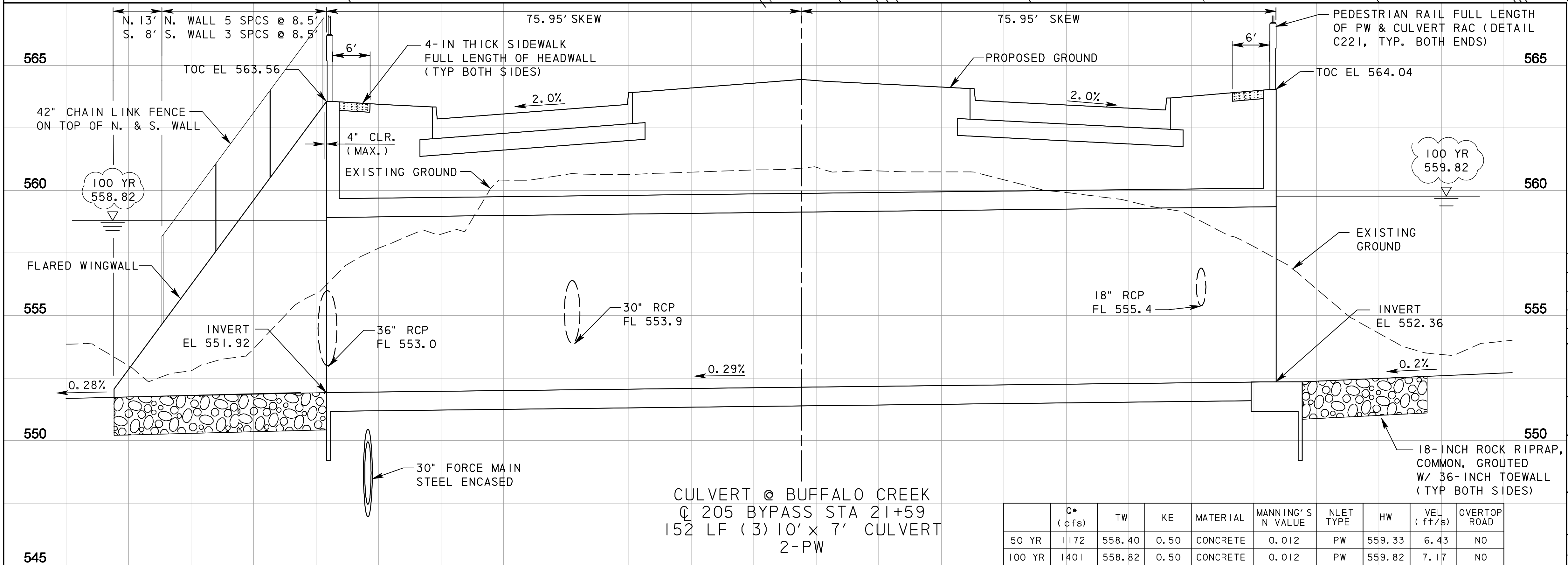
END OF WALL  
N 7025255.08  
E 2602511.52

END (3) 10' x 7' CULVERT  
@ 205 BYPASS STA 22+05.85, 60.00' LT  
CONSTRUCT FLARED WINGWALLS, 52.2°  
SKEW (SEE DETAIL FW-S, HW = 11.64')  
SEE NOTE 2.

END OF WALL  
N 7025182.45  
E 2602554.22

BEGIN (3) 10' x 7' CULVERT  
@ 205 BYPASS STA 21+04.00, 60.00' RT  
CONSTRUCT PARALLEL WINGWALL, 52.2°  
SKEW (SEE DETAIL PW, HW = 11.68')  
SEE NOTE 2

- NOTES:
1. REFERENCE GRADING PLAN AT STA 21+59 FOR GRADING AND RIPRAP DETAILS.
  2. TOC ELEVATION SHOWN IS AT CENTERLINE OF CULVERT. TOP OF RAC AND TOP OF PW SHALL PARALLEL STREET GRADE.
  3. SEE MISC. DRAINAGE DETAILS SHEET FOR RAILING AND SIDEWALK DETAIL.



**RECORD DRAWING**

This drawing is a compilation of the original sealed engineering drawing and modifications by addenda, change orders and information furnished by the contractor. Information shown that was provided by the contractor and others not associated with the design engineer cannot be verified for accuracy or completeness. Original sealed drawing is on file at the office of AECOM USA Group, Inc., TBPE REG. NO. F-3082

ORIGINAL DRAWING SEALED & SIGNED BY  
T.H. Gaertner, P.E.  
TX NO. 37124

NO.	REVISION	BY	DATE
2	REVISED TO USE FLARED WINGWALLS ON WEST END	THG	8/8/08
1	HEADWATER AND TAILWATER	THG	5/20/08



**205 BYPASS  
PHASE 3  
CULVERT PLAN & PROFILE  
AT STA 21+59**

TCB AECOM  
TCB INC.  
WWW.TCB.AECOM.COM  
17300 DALLAS PARKWAY, SUITE 1010  
DALLAS, TEXAS 75248

	Q* (cfs)	TW	KE	MATERIAL	MANNING'S N VALUE	INLET TYPE	HW	VEL (ft/s)	OVERTOP ROAD
50 YR	1172	558.40	0.50	CONCRETE	0.012	PW	559.33	6.43	NO
100 YR	1401	558.82	0.50	CONCRETE	0.012	PW	559.82	7.17	NO

\* DISCHARGES BASED ON CITY OF ROCKWALL CRITERIA.

Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN	Date	11/23/2009
Designed	US/SB	Checked	TCB	Project No.	60004153
Drawn	FG	Approved	TCB	Sheet	77 of 215

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 11/23/2009

CULVERT @ BUFFALO CREEK  
@ 205 BYPASS STA 21+59  
152 LF (3) 10' x 7' CULVERT  
2-PW