

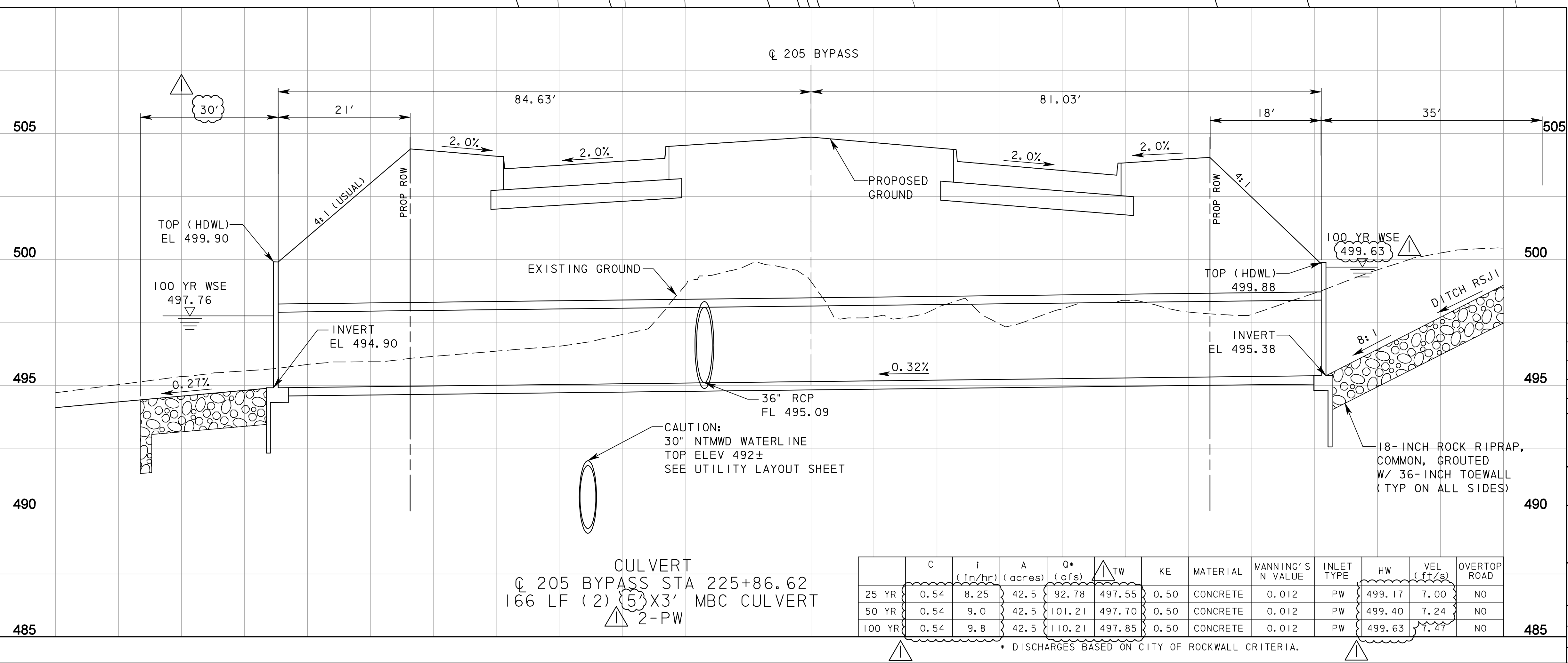
END (2) 5' X 3' CULVERT
Q 205 BYPASS STA 226+16.42, 80.90' LT
CONSTRUCT PARALLEL WINGWALL,
(TXDOT STD PW)

BEGIN (2) 5' X 3' CULVERT
Q 205 BYPASS STA 225+60.94, 78.00' RT
CONSTRUCT PARALLEL WINGWALL,
(TXDOT STD PW)

- NOTES:
- REFERENCE GRADING PLAN AT STA 225+86 FOR GRADING DETAILS.
 - THE UPSTREAM PROPOSED GROUND PROFILE SHOWN CONNECTS TO THE INCOMING DITCH PROFILE.
 - 19.4° IS CULVERT SKEW "V" USED TO CALCULATE HEADWALL DIMENSIONS AS SHOWN ON TXDOT STANDARD PW.

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



CULVERT
Q 205 BYPASS STA 225+86.62
166 LF (2) 5' X 3' MBC CULVERT
2-PW

	C	I	A	Q*	TW	KE	MATERIAL	MANNING'S N VALUE	INLET TYPE	HW	VEL	OVERTOP ROAD
	(in/hr)	(acres)	(cfs)	(ft)	(ft)					(ft)	(ft/s)	
25 YR	0.54	8.25	42.5	92.78	497.55	0.50	CONCRETE	0.012	PW	499.17	7.00	NO
50 YR	0.54	9.0	42.5	101.21	497.70	0.50	CONCRETE	0.012	PW	499.40	7.24	NO
100 YR	0.54	9.8	42.5	110.21	497.85	0.50	CONCRETE	0.012	PW	499.63	7.47	NO

* DISCHARGES BASED ON CITY OF ROCKWALL CRITERIA.

NO.	MISC. REVISIONS	REVISION	US	10/22/07
			BY	DATE



205 BYPASS
PHASE 6

CULVERT PLAN & PROFILE
AT STA 225+86.62

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

Unit	PW-DAL-FW	Scale	Horz: AS SHOWN	Vert: AS SHOWN	Date	11/24/2009
Designed	R1/US	Checked	TCB	Project No.	60004153	
Drawn	FG	Approved	TCB	Sheet	80	of 216

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 11/24/2009