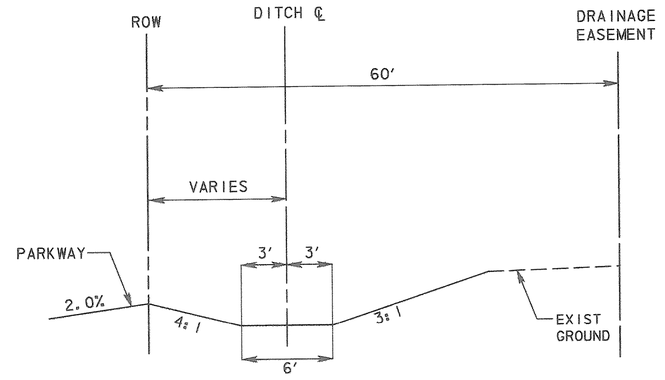
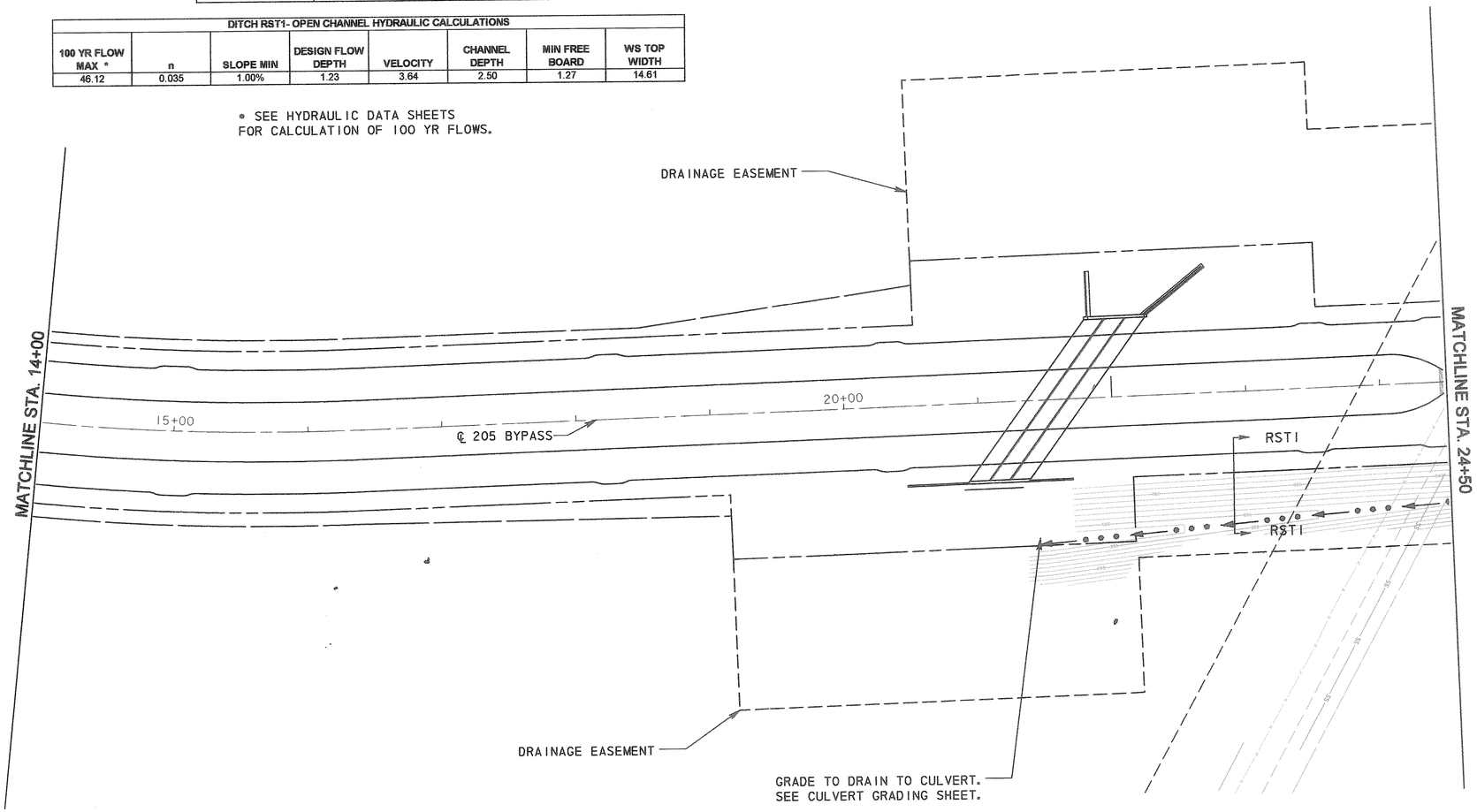
DITCH RST1			
205BP STATION	CL OFFSET	DITCH CL EL.	SLOPE
21+50	106.3	553.0	-
22+00	103.2	553.5	1.0%
22+50	100.2	554.0	1.0%
23+00	97.1	554.5	1.0%
23+50	94.1	555.0	1.0%
24+00	91.0	555.5	1.0%
24+50	88.6	556.0	1.0%
25+00	87.4	556.5	1.0%
25+50	86.8	557.0	1.0%
26+00	86.3	557.5	1.0%
26+50	85.7	558.0	1.0%
27+00	85.1	558.5	1.0%
27+50	84.5	559.0	1.0%
28+00	83.9	559.5	1.0%
28+50	83.3	560.0	1.0%
29+00	82.7	560.5	1.0%
29+50	82.1	560.8	0.6%
30+00	83.1	561.1	0.6%
30+50	83.3	561.4	0.6%
31+00	83.5	561.7	0.6%
31+50	83.7	562.0	0.6%
32+00	83.9	562.3	0.6%
32+50	83.7	562.6	0.6%

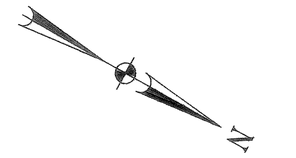


SECTION RSTI
NTS

DITCH RST1- OPEN CHANNEL HYDRAULIC CALCULATIONS							
100 YR FLOW MAX *	n	SLOPE MIN	DESIGN FLOW DEPTH	VELOCITY	CHANNEL DEPTH	MIN FREE BOARD	WS TOP WIDTH
46.12	0.035	1.00%	1.23	3.64	2.50	1.27	14.61

* SEE HYDRAULIC DATA SHEETS
FOR CALCULATION OF 100 YR FLOWS.





PROPOSED ROW
PROPOSED DITCH LINE
TEMP SLOPE EASEMENT
DRAINAGE EASEMENT

NOTES:

1. USE IMPORTED TOP SOIL WITHIN THE ROW AND ON EARTHEN CHANNEL SLOPES. USE TOP SOIL FROM THE PROJECT SITE FOR ALL OTHER AREAS OUTSIDE OF ROW. THE IMPORTED TOP SOIL SHALL MEET THE REQUIREMENTS OF C.O.G. SPEC 3.8.1 AND BE A CLAY SILT OR SILTY CLAY TYPE SOIL MEETING THE APPROVAL OF THE CITY FOR USE ON THIS PROJECT.

ORIGINAL DRAWING
SEALED & SIGNED BY

T.H. Gaertner, P.E.

TX NO. 37124

NO.	REVISION	BY	DATE

City of Rockwall, Texas

205 BYPASS
PHASE 3

DITCH LAYOUT
STA. 14+00 TO STA. 24+50

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	11/16/2009
Designed SDB	Checked TCB	Project No.	60004153
Drawn FG	Approved TCB	Sheet	48 of 215