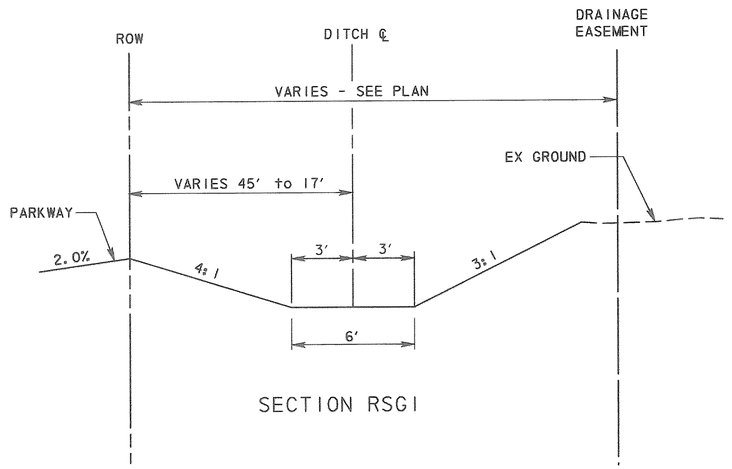
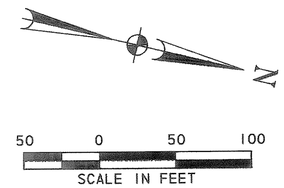
DITCH RSG1			
205BP STATION	CL OFFSET	DITCH CL EL.	SLOPE
42+00	99.3	543.8	-
42+50	101.9	543.4	0.7%
43+00	98.1	543.1	0.7%
43+50	96.8	542.8	0.7%
44+00	95.0	542.3	1.0%
44+50	93.0	541.8	1.0%
45+00	91.4	541.3	1.0%
45+50	89.1	540.8	1.0%
46+00	87.0	540.3	1.0%
46+50	84.5	539.8	1.0%
47+00	82.7	539.3	1.0%

DITCH RSG1- OPEN CHANNEL HYDRAULIC CALCULATIONS							
100 YR FLOW MAX *	n	SLOPE MIN	DESIGN FLOW DEPTH	VELOCITY	CHANNEL DEPTH	MIN FREE BOARD	WS TOP WIDTH
201.90	0.035	0.70%	2.68	4.90	4.00	1.32	24.76

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



SECTION RSG1

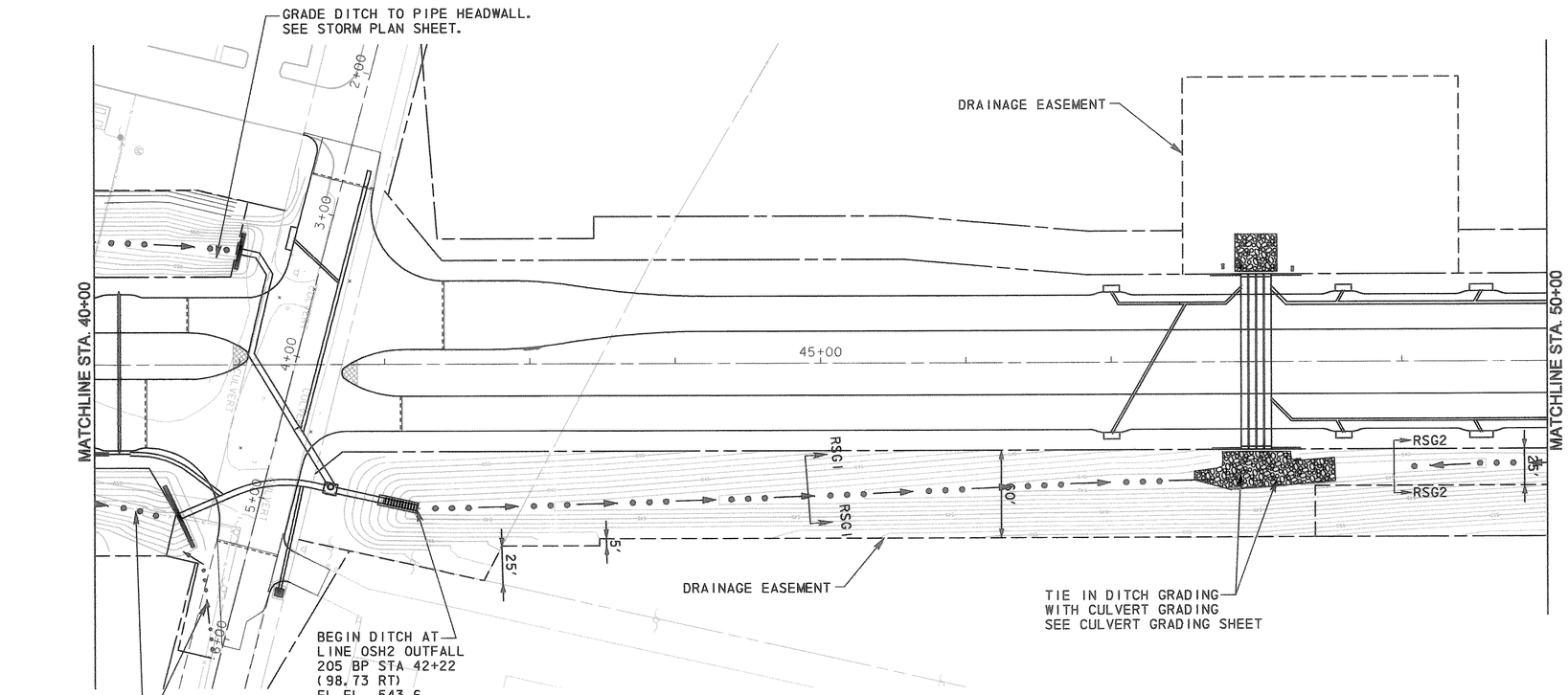


LEGEND

- PROPOSED ROW
- PROPOSED DITCH LINE
- DRAINAGE EASEMENT
- TEMP SLOPE EASEMENT

NOTES:

1. SEE DITCH LAYOUT SHEET 5 FOR DITCH RSG2 DETAIL
2. 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.



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
1	DITCH RSG1 DATA	THG	05/20/08

City of Rockwall, Texas

205 BYPASS
PHASE 3

DITCH LAYOUT
STA. 40+00 TO STA. 50+00

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 SB	Checked TCB	Project No.	60004153
Drawn FG	Approved TCB	Sheet	51 of 215