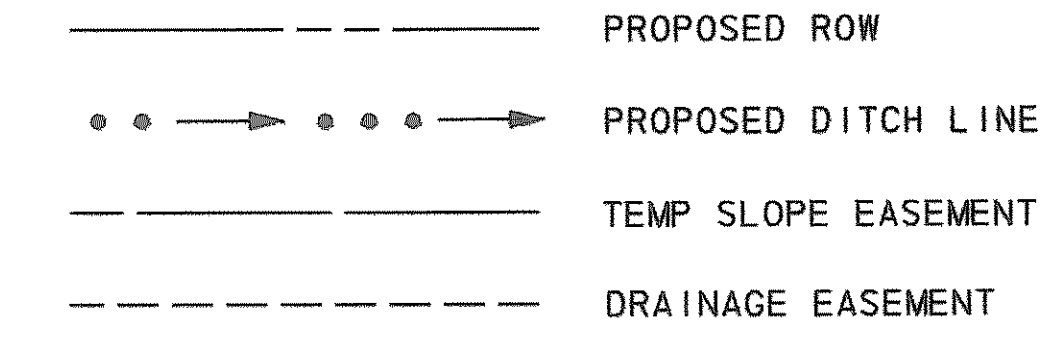
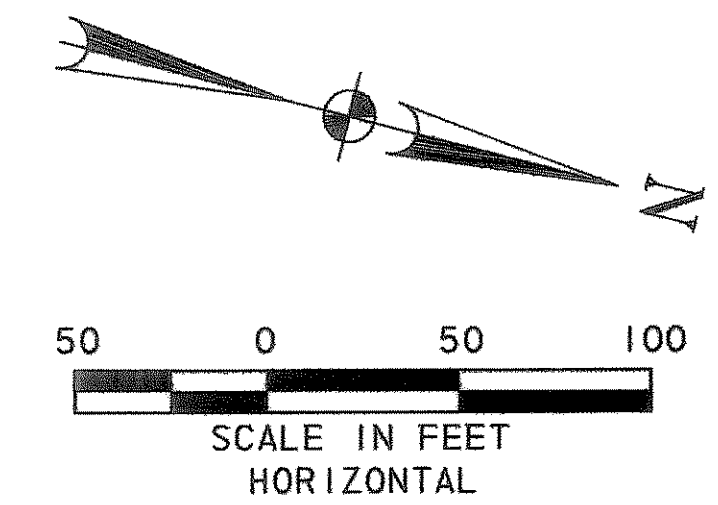
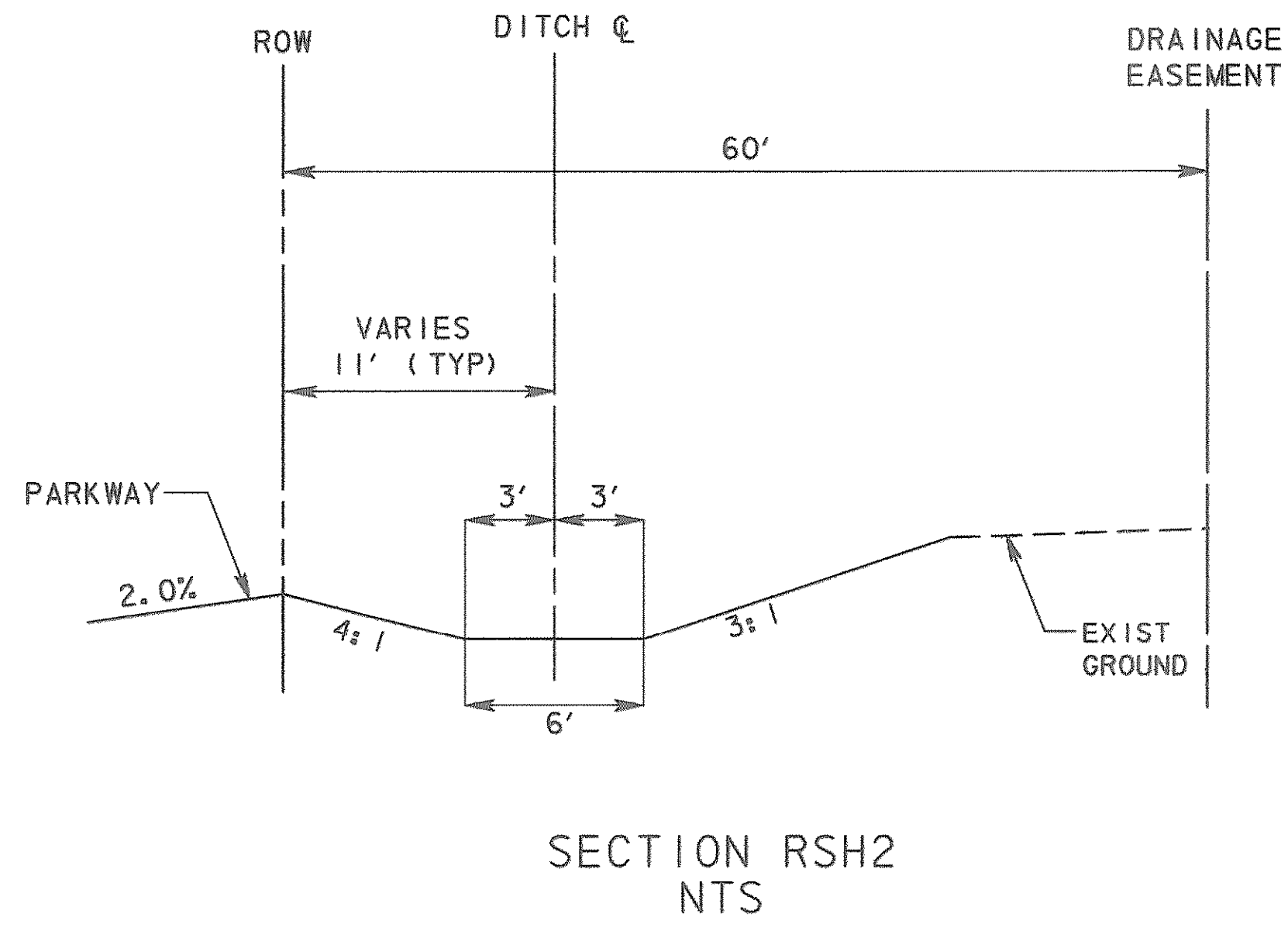


DITCH RSH1			
205BP STATION	CL OFFSET	DITCH CL EL.	SLOPE
36+00	170.0	554.5	2.60%
36+50	136.5	553.2	2.40%
37+00	105.5	552.0	1.80%
37+50	87.5	551.1	1.00%
38+00	83.0	550.60	1.80%
38+50	80.4	550.10	1.80%
39+00	80.5	549.20	1.80%
39+50	81.9	548.30	1.80%
40+00	84.5	547.40	1.80%
40+50	84.9	546.50	2.00%
41+00	77.9	545.50	-

DITCH RSH1- OPEN CHANNEL HYDRAULIC CALCULATIONS							
100 YR FLOW MAX *	n	SLOPE MIN	DESIGN FLOW DEPTH	VELOCITY	CHANNEL DEPTH	MIN FREE BOARD	WS TOP WIDTH
67.99	0.035	1.80%	1.30	4.96	2.50	1.20	15.10

DITCH RSH2			
205BP STATION	CL OFFSET	DITCH CL EL.	SLOPE
37+50	73.50	554.5	3.0%
38+00	75.50	553.0	3.0%
38+50	82.50	551.5	3.0%
39+00	87.50	550.0	3.0%
39+50	91.20	548.5	3.0%
40+00	96.20	547.0	3.0%
40+50	102.40	545.5	-

DITCH RSH2- OPEN CHANNEL HYDRAULIC CALCULATIONS							
100 YR FLOW MAX *	n	SLOPE MIN	DESIGN FLOW DEPTH	VELOCITY	CHANNEL DEPTH	MIN FREE BOARD	WS TOP WIDTH
25.42	0.035	3.00%	0.67	4.55	2.00	1.33	10.69



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.

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

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

**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 RSH1	THG	10/29/08

**City of Rockwall, Texas**

**205 BYPASS PHASE 3**

**DITCH LAYOUT**  
 STA. 35+00 TO STA. 40+00

Unit	PW-DAL-FW	Scale	Horz: AS SHOWN Vert: AS SHOWN	Date	11/16/2009
Designed	SBBUS	Checked	TCB	Project No.	60004153
Drawn	FG	Approved	TCB	Sheet	50 of 215

\\uadd11\p001\PM\4328\60004153-205Bypass\CADD\Sheets\Phase 3 - 1 30 to Station SH 66\Record Draw\fig 10\_7\_09\0500 Tch P.ln03.dgn  
 11/16/2009