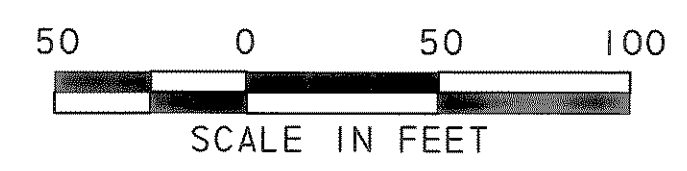


LEGEND

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



BEGIN DITCH
205BP STA 57+00 (66.0' RT)
SEE DITCH CHART FOR SLOPES.

RSE2 205BP STA 77+50-81+00						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
12.59	0.035	1.00%	0.60	2.59	1.40	10.80
RSE3 205BP STA 75+00-77+50						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
49.67	0.035	1.00%	1.25	3.83	1.00	16.00
RSE4 205BP STA 71+00-74+00						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
0.82	0.035	1.20%	0.10	1.29	1.40	6.80
RSE5 205BP STA 68+06-71+00						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
1.20	0.035	1.40%	0.16	1.14	1.34	7.28
RSE6 205BP STA 65+55-68+00						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
1.20	0.035	1.00%	0.16	1.14	1.34	7.28
RSE7 205BP STA 63+00-65+50						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
3.56	0.035	1.00%	0.30	1.68	1.20	8.40

RSE8 205BP STA 57+94-63+00						
RSE8	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
7.84	0.035	1.00%	0.46	2.24	1.04	9.68
RSE9 205BP STA 57+00-57+84						
100 YR FLOW	n	DESIGN SLOPE	DESIGN FLOW DEPTH	VELOCITY	MIN FREE BOARD	TOP WIDTH
5.39	0.035	2.20%	0.38	1.94	1.12	9.04

DITCH RSE			
205BP Station	CL Offset	Ditch CL El.	Slope
57+00	66.0	542.7	2.2%
57+50	72.3	541.6	2.4%
57+84	74.5	540.8	INLET
57+94	67.0	542.7	1.0%
58+00	67.0	542.6	1.0%
58+50	68.4	542.1	1.0%
59+00	66.4	541.6	1.0%
59+50	70.4	541.1	1.1%
60+00	70.5	541.0	1.0%
60+50	71.5	540.5	1.2%
61+00	72.9	539.9	1.2%
61+50	74.3	539.3	1.2%
61+75	73.7	539.0	INLET
62+00	73.3	539.3	-1.0%
62+50	70.2	539.8	-1.0%
63+00	67.2	540.3	1.0%
63+50	68.2	539.8	1.0%
64+00	69.2	539.3	1.0%
64+50	72.2	538.8	1.0%
65+00	72.2	538.3	1.0%

DITCH RSE			
205BP Station	CL Offset	Ditch CL El.	Slope
65+50	69.1	537.8	INLET
65+55	67.0	538.0	1.1%
66+00	72.0	537.5	1.0%
66+50	71.8	537.0	1.0%
67+00	71.4	536.5	1.2%
67+50	71.3	535.9	2.2%
68+00	71.2	534.8	INLET
68+06	67.0	536.3	1.6%
68+50	67.9	535.5	1.6%
69+00	68.7	534.7	1.6%
69+50	69.4	533.9	1.6%
70+00	70.1	533.1	1.6%
70+50	70.8	532.3	1.4%
71+00	71.2	531.6	INLET
71+50	71.9	530.8	1.6%
72+00	72.6	530.0	1.6%
72+50	73.3	529.2	1.6%
73+00	74.1	528.4	1.4%
73+50	74.4	527.7	1.4%
74+00	74.2	527.0	INLET

- NOTES:
- 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

DITCH RSE			
205BP Station	CL Offset	Ditch CL El.	Slope
75+00	125.0	524.0	2.0%
75+50	115.0	523.0	2.0%
76+00	105.0	522.0	2.0%
76+50	95.0	521.0	2.0%
77+00	76.3	520.0	2.0%
77+50	75.9	519.0	INLET
78+00	76.6	517.8	2.4%
78+50	76.7	516.6	2.4%
79+00	77.6	515.4	2.4%
79+50	80.5	514.2	2.4%
80+00	85.0	513.0	2.0%
80+30	89.5	512.0	1.0%
80+50	91.2	512.5	1.0%
81+00	96.8	513.0	-

1		DITCH RSE DATA		THG	05/20/08
NO.	REVISION			BY	DATE
205 BYPASS PHASE 3					
DITCH LAYOUT STA. 57+00 TO STA. 70+00					
TCB AECOM					
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	53 of 215

\\jrd011\p001\pww\4328\60004153-205Bypass\CAD\Sheets\Phase 3 - 1 30 to Station 57+00\Record Drawing 10_7_09\053D11ch Plan06.dgn
 11/16/2009