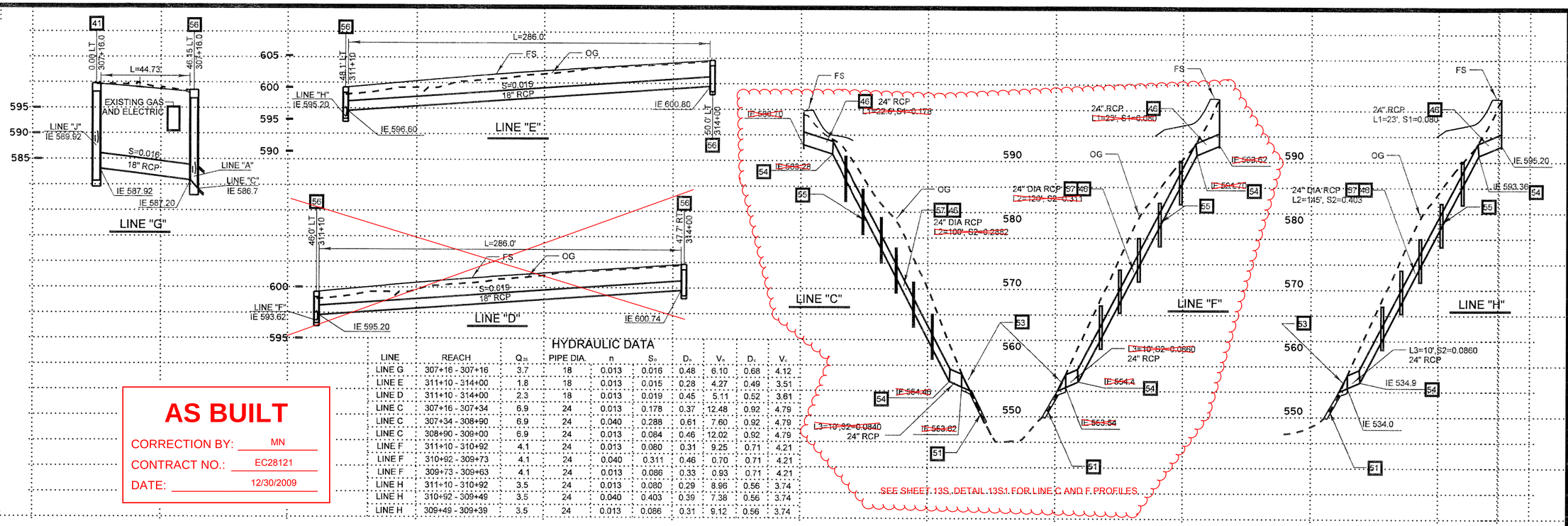


PROFILE
HORIZ. 1" = 40'
VERT. 1" = 8'

CU.	EXC.
YDS.	FILL

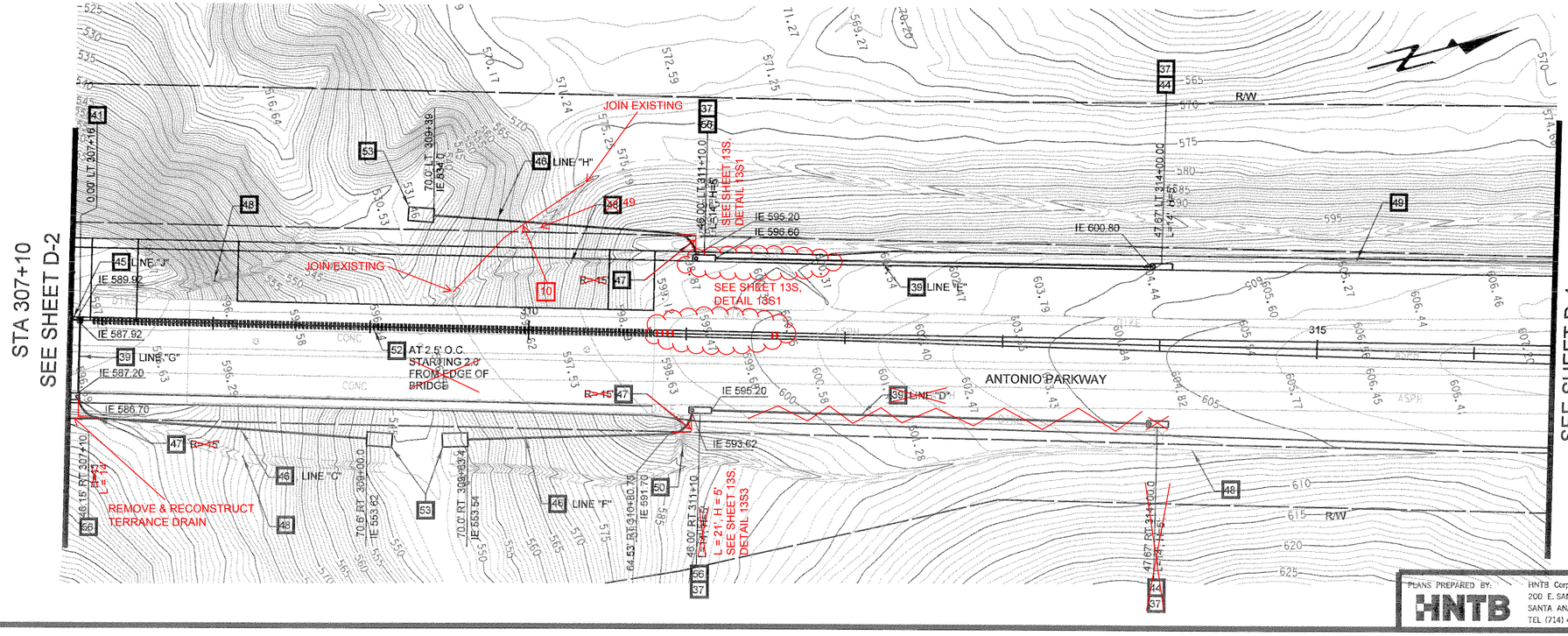
EXC.	CU.
FILL	YDS.

AS BUILT

CORRECTION BY: MN
CONTRACT NO.: EC28121
DATE: 12/30/2009

HYDRAULIC DATA

LINE	REACH	Q_{25}	PIPE DIA.	n	S_0	D_n	V_n	D_c	V_c
LINE G	307+16 - 307+16	3.7	18	0.013	0.016	0.48	6.10	0.68	4.12
LINE E	311+10 - 314+00	1.8	18	0.013	0.015	0.28	4.27	0.49	3.51
LINE D	311+10 - 314+00	2.3	18	0.013	0.019	0.45	5.11	0.52	3.61
LINE C	307+16 - 307+34	6.9	24	0.013	0.178	0.37	12.48	0.92	4.79
LINE C	307+34 - 308+90	6.9	24	0.040	0.288	0.61	7.60	0.92	4.79
LINE C	308+90 - 309+00	6.9	24	0.013	0.084	0.46	12.02	0.92	4.79
LINE F	311+10 - 310+92	4.1	24	0.013	0.080	0.31	9.25	0.71	4.21
LINE F	310+92 - 309+73	4.1	24	0.040	0.311	0.46	7.70	0.71	4.21
LINE F	309+73 - 309+63	4.1	24	0.013	0.086	0.33	9.93	0.71	4.21
LINE H	311+10 - 310+92	3.5	24	0.013	0.080	0.29	8.96	0.56	3.74
LINE H	310+92 - 309+49	3.5	24	0.040	0.403	0.39	7.38	0.56	3.74
LINE H	309+49 - 309+39	3.5	24	0.013	0.086	0.31	9.12	0.56	3.74



CONSTRUCTION NOTES

37 INSTALL MODIFIED LOCAL DEPRESSION. SEE DETAIL, SHEET D-5.
38 INSTALL 18" DIA RCP
40 CONSTRUCT INLET TYPE II PER R.D.M.D. STD PLAN 1302
41 CONSTRUCT JUNCTION STRUCTURE TYPE I PER R.D.M.D. STD PLAN 1310
44 CONSTRUCT MODIFIED TYPE II INLET WITH WATER QUALITY EQUIPMENT PER DETAIL ON SHEET D-7
45 INSTALL 18" CSP (10 GAGE) WITH 10 GAGE TAPERED SPACER
46 INSTALL 24" DIA RCP
47 INSTALL 24" DIA RCP 90^ ELL (~~R=15'~~)
48 PROTECT-IN-PLACE EXISTING TERRACE DRAIN
49 REMOVE EXIST TERRACE DRAIN
50 REMOVE INTERFERING PORTION OF EXISTING DOWN DRAIN. CUT TO CLEAN LINE.
51 CONSTRUCT RIP RAP SLOPE PROTECTION PER DETAIL ON DWG D-5
52 CONSTRUCT UNDERMEDIAN DRAIN PER A.P.W.A. STD PLAN 151, TYPE 2 INLET, S = 12", B=4"
53 CONSTRUCT ENERGY DISIPATOR PER A.P.W.A STD PLAN 384-1, W=6'
54 CONSTRUCT CONCRETE COLLAR PER R.D.M.D. STD PLAN 1317
55 CONSTRUCT PIPE ANCHOR PER R.D.M.D. STD PLAN 1333
56 CONSTRUCT MODIFIED TYPE II INLET WITH WATER QUALITY EQUIPMENT AND REVERSE OUTLET, PER DETAIL ON SHEET D-7
57 CONSTRUCT VELOCITY CONTROL RINGS AT ~~12' O.C.~~ 8' O.C. PER A.P.W.A STD. PLAN 383-1. H=3"
10 CONSTRUCT TERRANCE DRAIN PER RDMD STD. PLAN 1321

PLAN
1" = 40'

MARK	DATE	DESCRIPTION
REVISIONS		

PREPARED UNDER RESPONSIBLE CHARGE OF:
STEVEN B. STROH
RCE C 59687 (EXP. 12-31-07)

REGISTERED PROFESSIONAL ENGINEER
STEVEN B. STROH
NO. C 59687
EXP. 12-31-07
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED BY:
HNTB
HNTB Corporation
200 E. SANDPOINTE AVENUE, SUITE 200
SANTA ANA, CALIFORNIA 92707
TEL (714) 460-1600 FAX (714) 460-1610

ORANGE COUNTY
RESOURCES & DEVELOPMENT MANAGEMENT DEPT

ANTONIO PARKWAY
WILDLIFE
IMPROVEMENT PLANS

STA 307+10 TO 316+50 DRAINAGE PLAN D-3

DESIGNED	F. GIRONDO		SHEET
DRAWN	N. RUNEA	CHECKED J. WEI	13
SCALE	DATE	DRAWING NO.	OF 72
AS SHOWN	11/8/05	xxx	

Date Plotted: dd-mmm-yyyy hh:mm
File Name: $DGN-FILE-NAME$