TRAVIS COUNTY
PUBLIC WORKS DEPARTMENT

LAGO RANCHOS SUBSTANDARD ROADS
LA PALOMA LN. / DOS AMIGOS DR. / PICOS DR.

PRELIMINARY
SUBJECT TO CHANGE

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

PREPARED UNDER THE DIRECTION OF:
[redacted]
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS

PREPARED UNDER THE DIRECTION OF:
[redacted]
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS

PROPOSED DESIGN STANDARDS FOR TRAFFIC TRACTS Rev 1, OCTOBER 2014

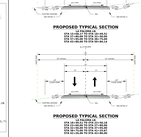
TRAVIS COUNTY, TEXAS
APPROVED FOR ACCEPTANCE
FOR COUNTY JUDGE

DATE

STANDARD	NAME	ADT	ACTUAL ADT
TC-01.SD	LOCAL	0-250	150
TC-02.SD	COLLECTOR	251-1000	
TC-03.SD	ARTERIAL	1001-2000	

ROAD NAME	ADT
LA PALOMA LN.	150
DOS AMIGOS DR.	150
PICOS DR.	150

ADDITIONAL ROAD
CONSTRUCTION NOTES:
1. [illegible]



TRAVIS COUNTY
60% SUBMITTAL

LAGO RANCHOS SUBSTANDARD ROADS
LA PALOMA LN. / DOS AMIGO DR. / PECOS DR.

LA PALOMA LN = 0.67 MILES / 3,516 FT
SIERRA VISTA = 0.03 MILES / 165 FT
DOS AMIGO DR = 0.39 MILES / 2,055 FT
AGUA FRIO = 0.02 MILES / 101 FT
BLANCO DR = 0.03 MILES / 165 FT
PECOS DR = 0.34 MILES / 1,804 FT

NET LENGTH OF PROJECT = 1.48 MILES / 7,806 FT

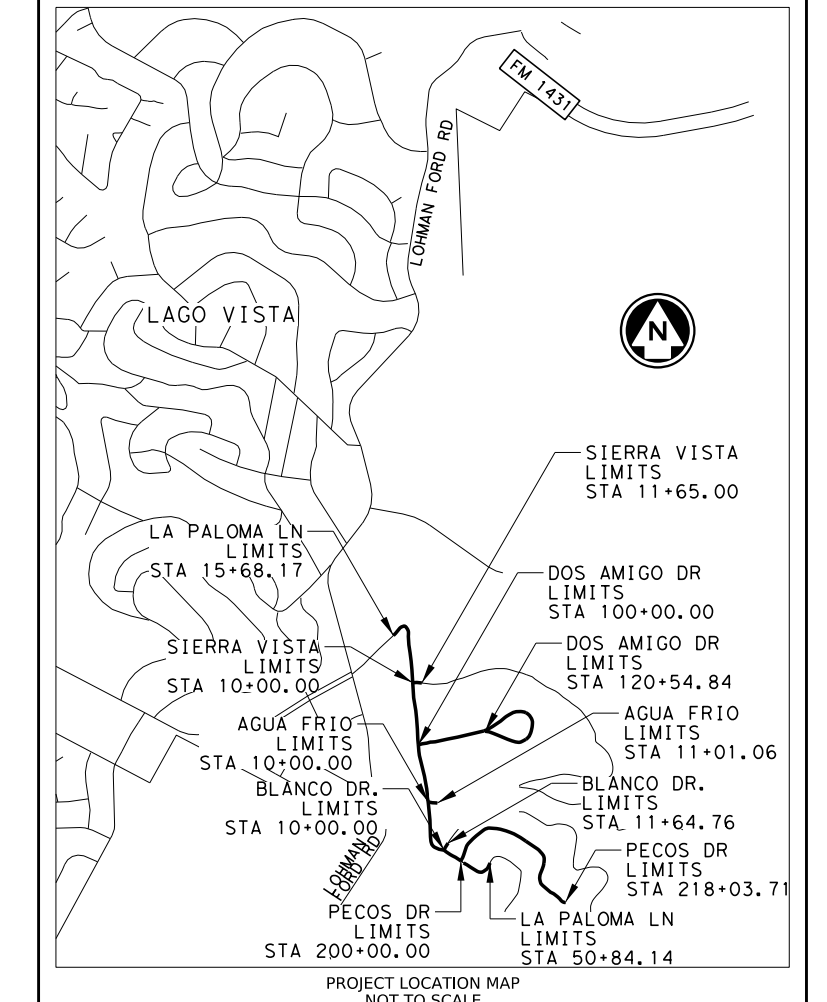
FUNCTIONAL CLASS
LA PALOMA LN: LOCAL / URBAN CORE
SIERRA VISTA: LOCAL / URBAN CORE
DOS AMIGO DR: LOCAL / URBAN CORE
AGUA FRIO: LOCAL / URBAN CORE
BLANCO DR: LOCAL / URBAN CORE
PECOS DR: LOCAL / URBAN CORE

DESIGN SPEED
LA PALOMA LN: 30 MPH (LOW SPEED)
SIERRA VISTA: 20 MPH (LOW SPEED)
DOS AMIGO DR: 20 MPH (LOW SPEED)
AGUA FRIO: 20 MPH (LOW SPEED)
BLANCO DR: 20 MPH (LOW SPEED)
PECOS DR: 20 MPH (LOW SPEED)

ROADWAY	YEAR	ADT:	20-YR ADT:
LA PALOMA LN	TBD	TBD	TBD
DOS AMIGO DR	TBD	TBD	TBD
PECOS DR	TBD	TBD	TBD

e-max: 4%
TERRAIN: ROLLING

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE



PROJECT LOCATION MAP
NOT TO SCALE

ALL COORDINATES SHOWN HEREON ARE SURFACE DISTANCES AND IN U.S. SURVEY FEET BASED ON A SITE CENTROID HAVING THE FOLLOWING COORDINATES:
N 10,136,441.55
E 3,039,554.01

SURFACE ADJUSTMENT FACTOR: 1.00007281

THIS PROJECT IS REFERENCED, FOR ALL BEARING AND COORDINATE BASIS, TO THE TEXAS COORDINATE SYSTEM, CENTRAL ZONE (4203), NORTH AMERICAN DATUM OF 1983 (2011) EPOCH 2010.00.

ALL ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM (NAVD) 88, GEOID 18 AND WERE DERIVED FROM GPS OBSERVATIONS.

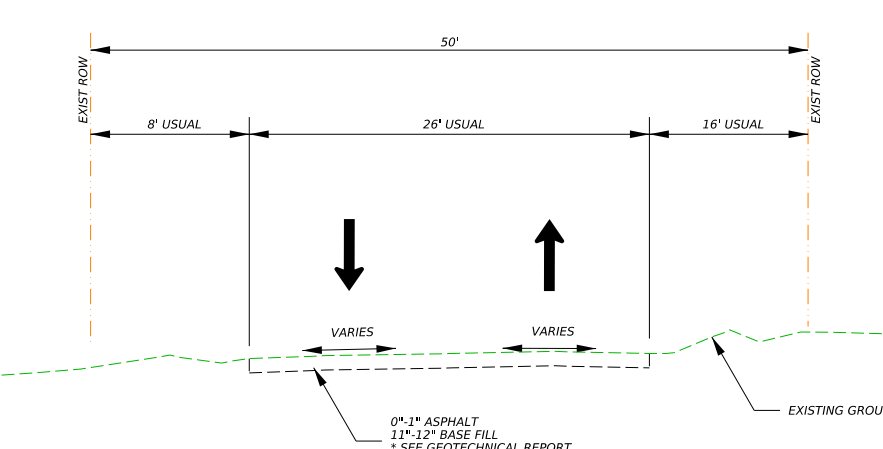
PRELIMINARY
SUBJECT TO CHANGE

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES
JMT
TBPE FIRM REG. NO. F-1158
ENGINEER: JUNAID AKHTAR
P.E. NO.: 84975 DATE: 12/9/2025

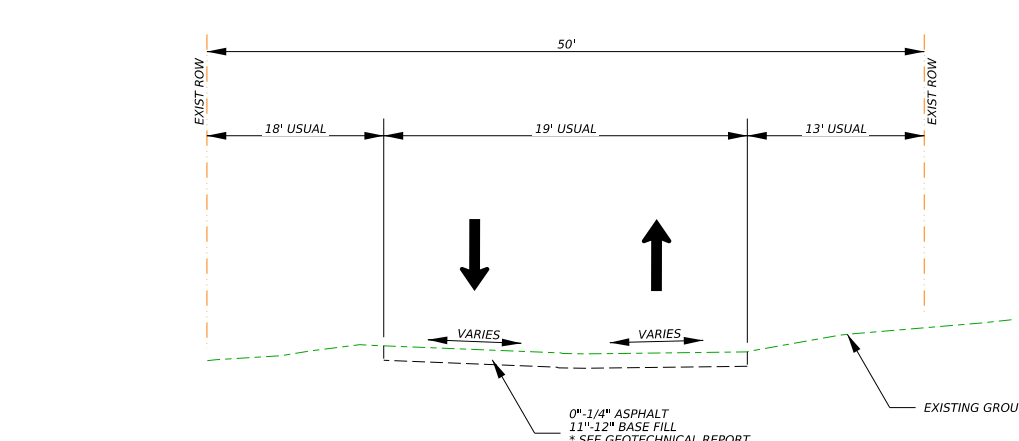
NOTES:
* NOT A BIDDING DOCUMENT
* SUBMITTED FOR APPROVAL FOR FURTHER PROJECT DEVELOPMENT

PROPOSED DESIGN STANDARDS FOR ROADWAY:
TRAVIS COUNTY DESIGN CRITERIA / PROJECT PROCEDURES MANUAL SEPTEMBER 2018
CITY OF AUSTIN, TEXAS TRANSPORTATION CRITERIA MANUAL APRIL 2025
TxDOT RDM NOVEMBER 2024
PROPOSED DESIGN STANDARDS FOR TRAFFIC: TMUTCD Rev 2, OCTOBER 2014

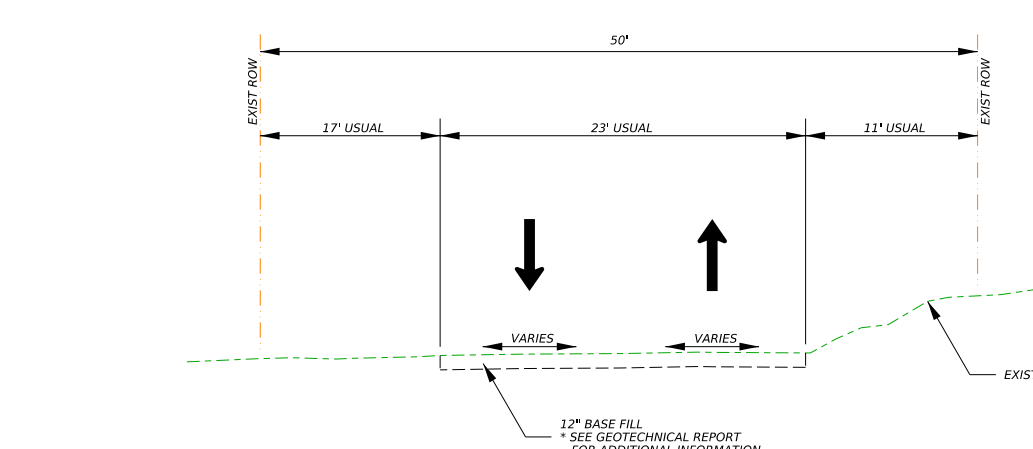
TRAVIS COUNTY, TEXAS
TRANSPORTATION and NATURAL RESOURCES DEPARTMENT
(512) 854-9383



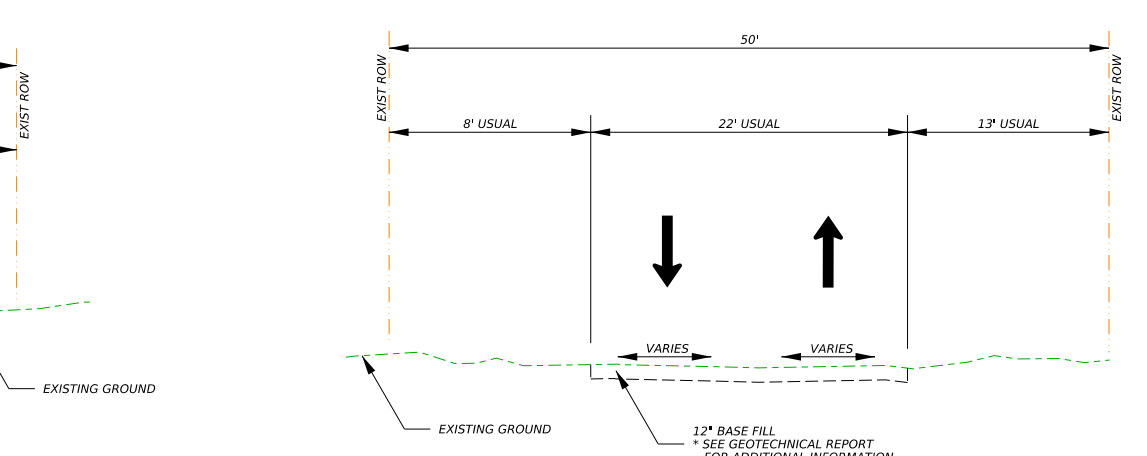
EXISTING TYPICAL SECTION
LA PALOMA LN



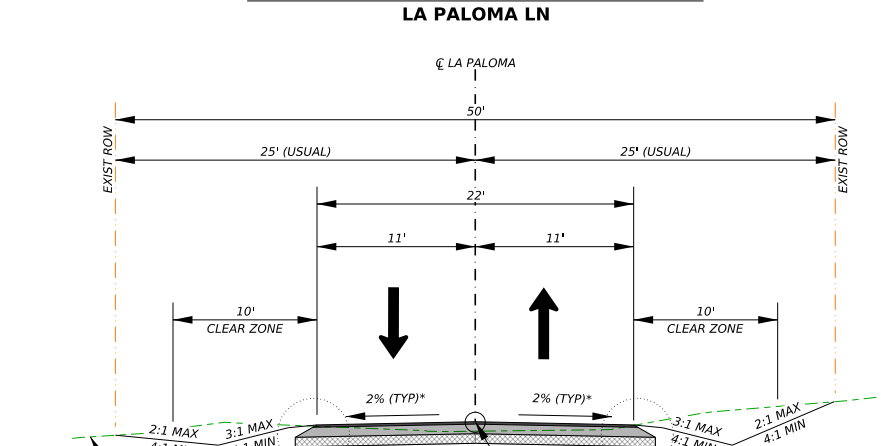
EXISTING TYPICAL SECTION
DOS AMIGO DR



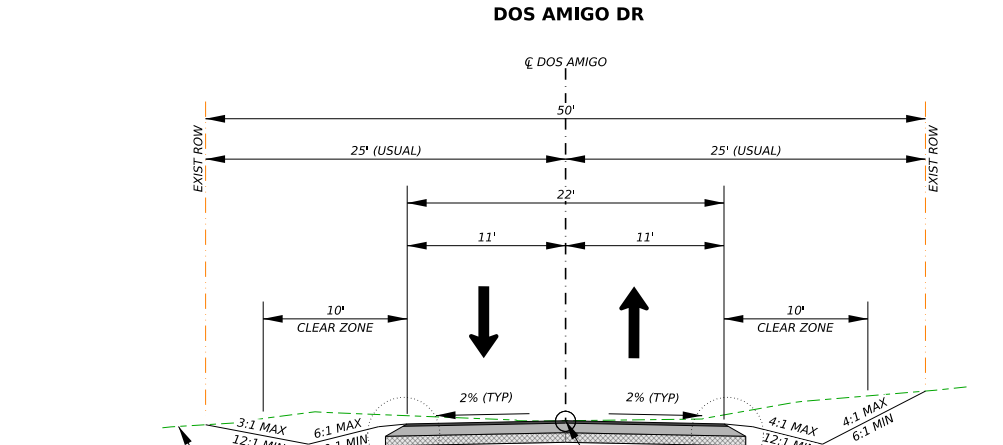
EXISTING TYPICAL SECTION
PECOS DR



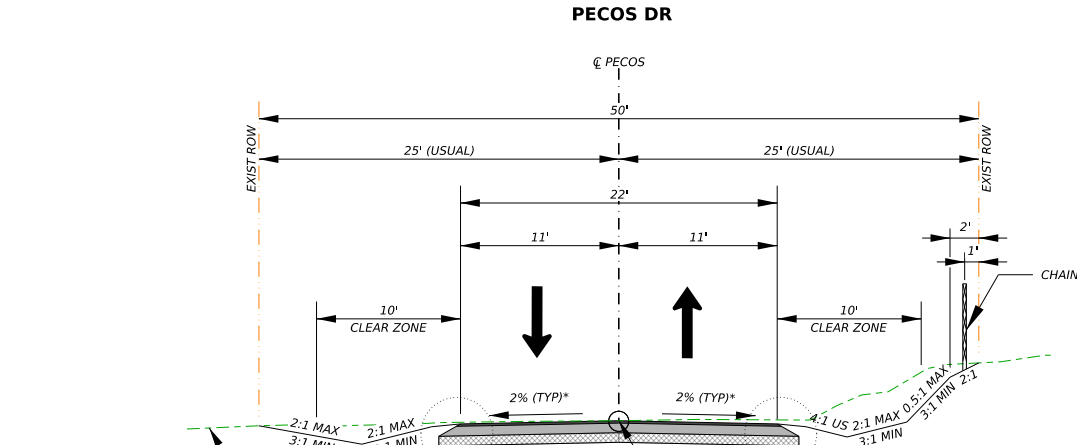
EXISTING TYPICAL SECTION
SIERRA VISTA DR, AGUA FRIO DR, BLANCO DR



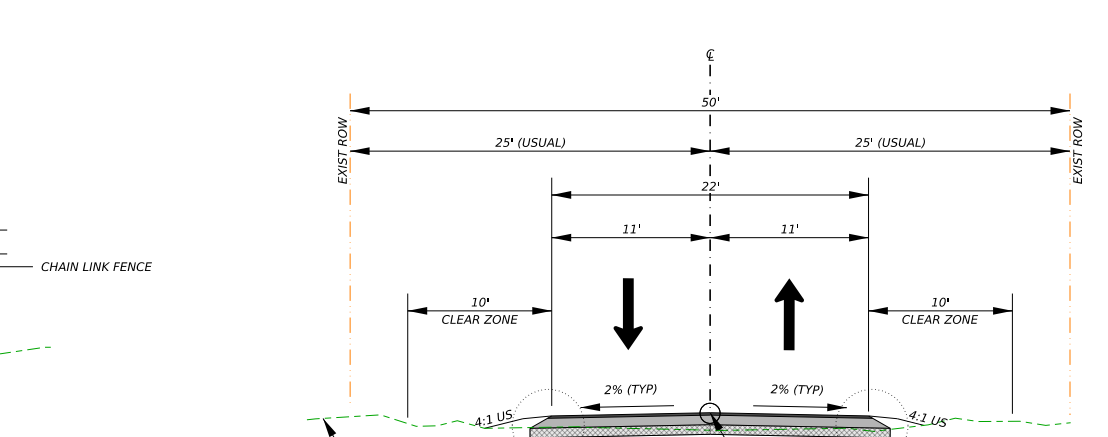
PROPOSED TYPICAL SECTION
LA PALOMA LN
STA 15+68.17 TO STA 18+49.51
STA 27+80.00 TO STA 32+50.00
STA 37+95.00 TO STA 38+75.00
STA 43+80.00 TO STA 50+84.14



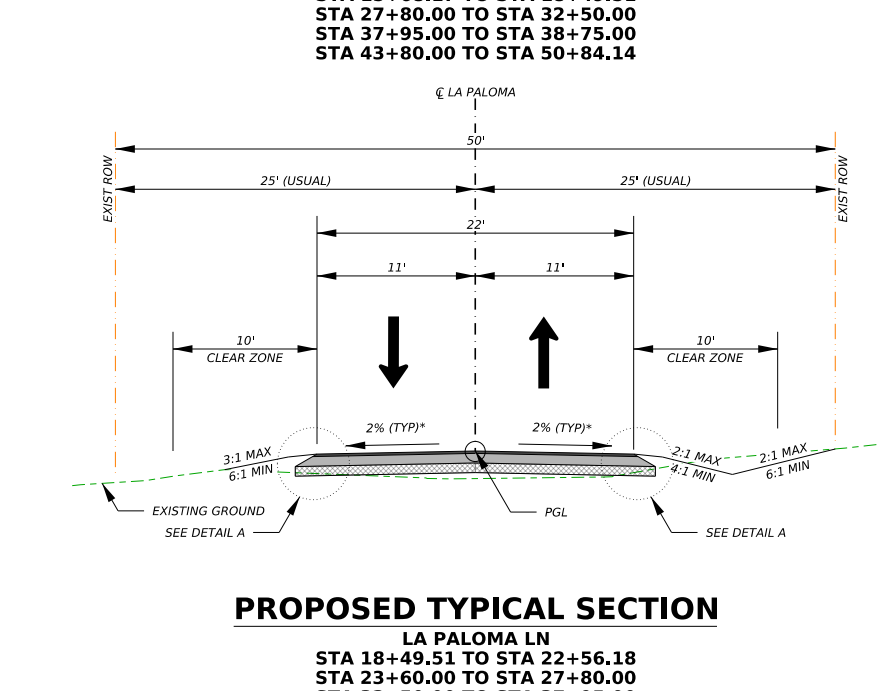
PROPOSED TYPICAL SECTION
DOS AMIGO DR
STA 100+00.00 TO STA 108+71.96



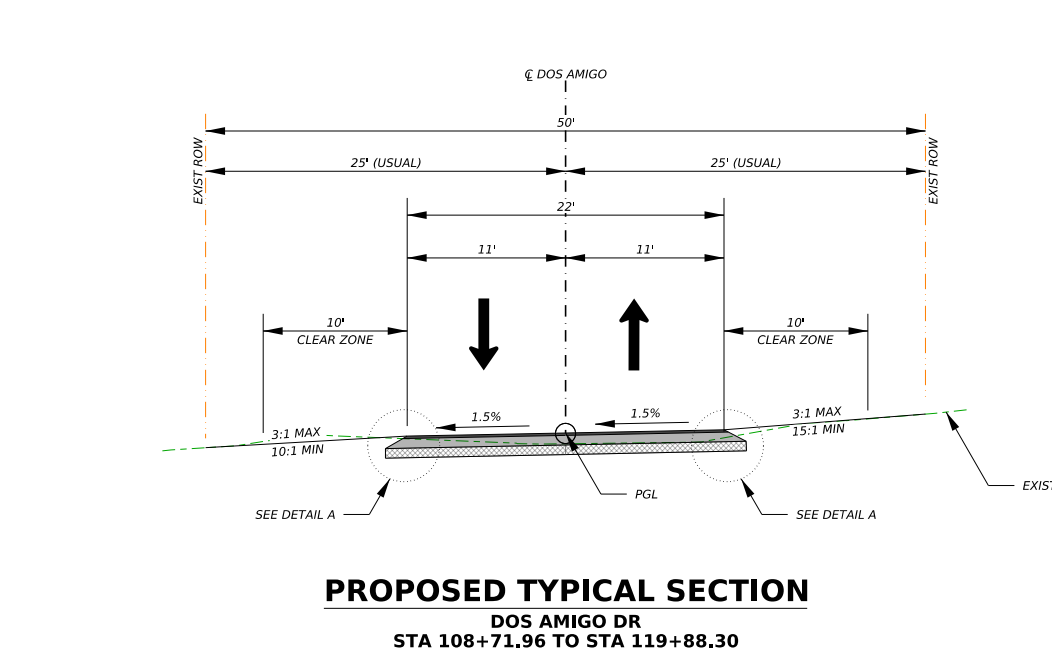
PROPOSED TYPICAL SECTION
PECOS DR
STA 200+00.00 TO STA 215+50



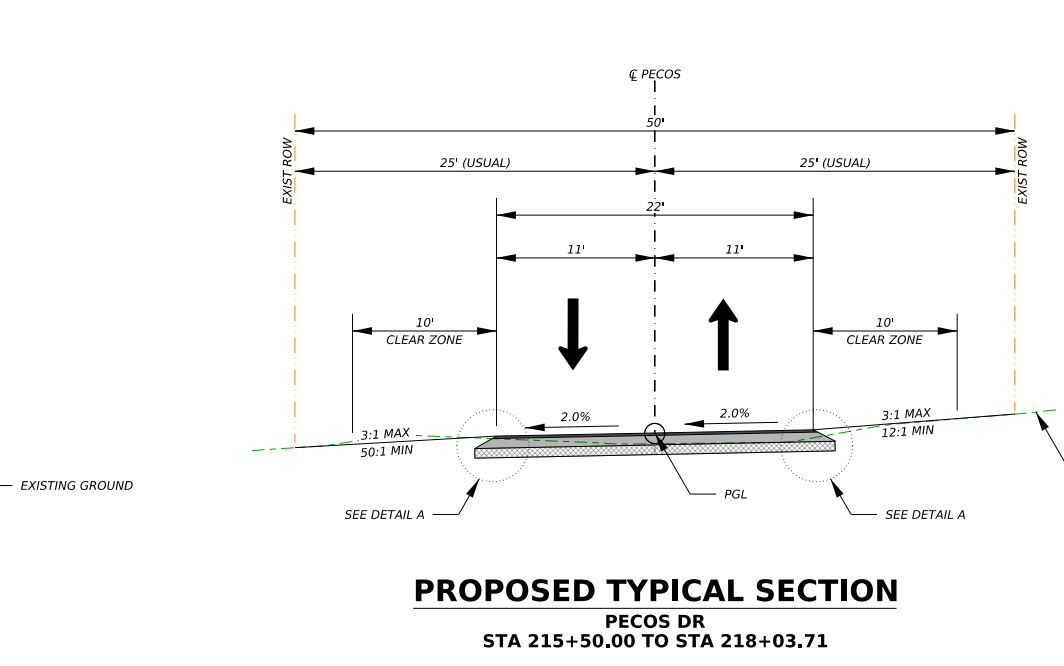
PROPOSED TYPICAL SECTION
SIERRA VISTA DR, AGUA FRIO DR, BLANCO DR



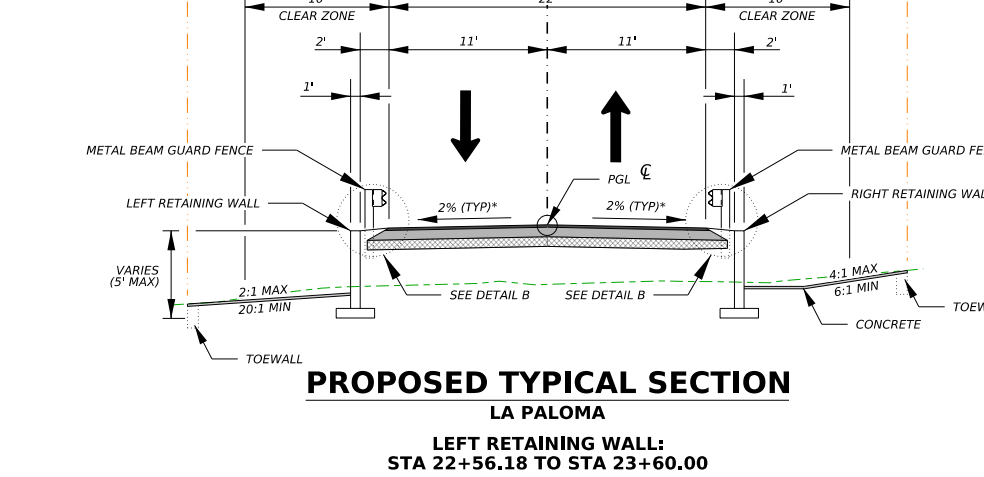
PROPOSED TYPICAL SECTION
LA PALOMA LN
STA 18+49.51 TO STA 22+56.18
STA 23+60.00 TO STA 27+80.00
STA 32+50.00 TO STA 37+95.00
STA 38+75.00 TO STA 41+25.67
STA 42+26.96 TO STA 43+80.00



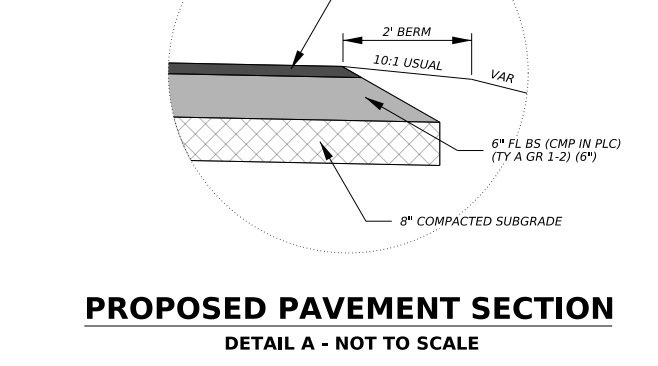
PROPOSED TYPICAL SECTION
DOS AMIGO DR
STA 108+71.96 TO STA 119+88.30



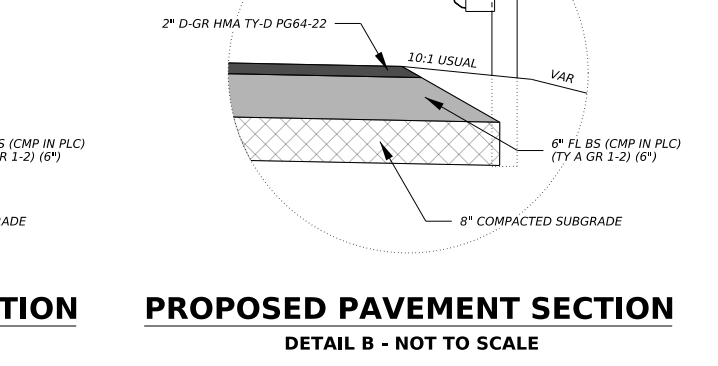
PROPOSED TYPICAL SECTION
PECOS DR
STA 215+50.00 TO STA 218+03.71



PROPOSED TYPICAL SECTION
LA PALOMA
LEFT RETAINING WALL:
STA 22+56.18 TO STA 23+60.00
RIGHT RETAINING WALL:
STA 41+25.67 TO STA 42+26.96



PROPOSED PAVEMENT SECTION
DETAIL A - NOT TO SCALE



PROPOSED PAVEMENT SECTION
DETAIL B - NOT TO SCALE

TABLE OF ℄ LA PALOMA LN CROSS SLOPES

ALIGNMENT	STATION	LT	RT
℄ LA PALOMA LN	15+68.17	+ 2.77% *	- 3.50% *
℄ LA PALOMA LN	15+83.17	+ 3.50%	- 3.50%
℄ LA PALOMA LN	17+38.09	+ 3.50%	- 3.50%
℄ LA PALOMA LN	17+48.09	+ 4.00%	- 4.00%
℄ LA PALOMA LN	18+59.65	+ 4.00%	- 4.00%
℄ LA PALOMA LN	19+59.65	- 2.00%	- 2.00%
℄ LA PALOMA LN	22+82.01	- 2.00%	- 2.00%
℄ LA PALOMA LN	23+82.01	- 4.00%	+ 4.00%
℄ LA PALOMA LN	24+55.00	- 4.00%	+ 4.00%
℄ LA PALOMA LN	25+55.00	- 2.00%	- 2.00%
℄ LA PALOMA LN	29+66.37	- 2.00%	- 2.00%
℄ LA PALOMA LN	30+66.37	+ 4.00%	- 4.00%
℄ LA PALOMA LN	31+42.84	+ 4.00%	- 4.00%
℄ LA PALOMA LN	32+42.84	- 2.00%	- 2.00%
℄ LA PALOMA LN	41+17.55	- 2.00%	- 2.00%
℄ LA PALOMA LN	41+87.55	- 2.00%	+ 2.00%
℄ LA PALOMA LN	42+33.32	- 2.00%	+ 2.00%
℄ LA PALOMA LN	43+03.32	- 2.00%	- 2.00%
℄ LA PALOMA LN	44+19.05	- 2.00%	- 2.00%
℄ LA PALOMA LN	45+19.05	+ 4.00%	- 4.00%
℄ LA PALOMA LN	45+91.64	+ 4.00%	- 4.00%
℄ LA PALOMA LN	47+95.07	- 4.00%	+ 4.00%
℄ LA PALOMA LN	48+71.14	- 4.00%	+ 4.00%
℄ LA PALOMA LN	49+11.14	- 2.00%	+ 2.00%
℄ LA PALOMA LN	49+98.75	- 2.00%	+ 2.00%
℄ LA PALOMA LN	50+84.14	- 0.28% *	- 2.83% *

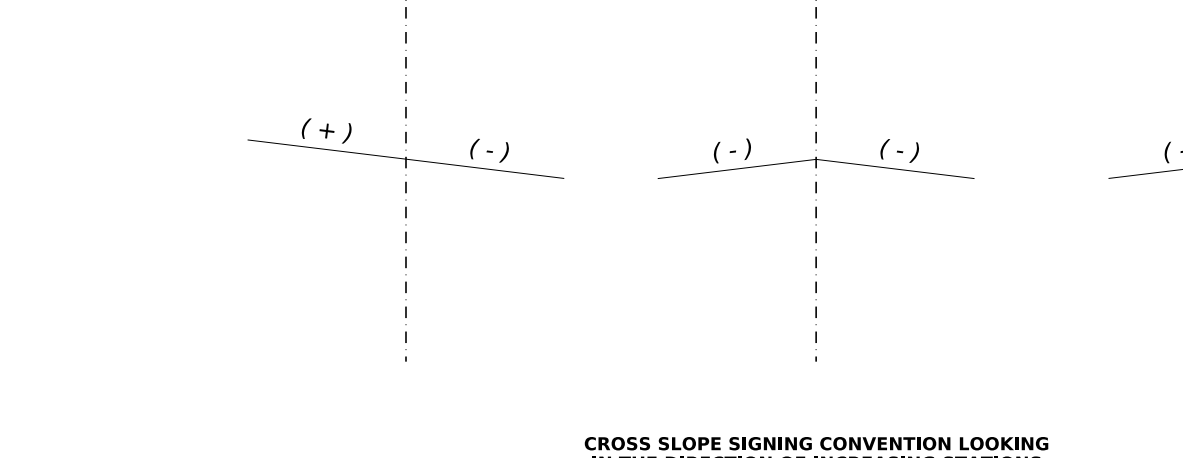
* MATCH EXISTING

TABLE OF ℄ DOS AMIGO DR CROSS SLOPES

ALIGNMENT	STATION	LT	RT
℄ DOS AMIGO DR	100+39.88	- 2.00%	- 2.00%
℄ DOS AMIGO DR	108+26.96	- 2.00%	- 2.00%
℄ DOS AMIGO DR	108+71.96	- 1.50%	+ 1.50%
℄ DOS AMIGO DR	119+88.30	- 1.50%	+ 1.50%
℄ DOS AMIGO DR	120+43.84	+ 1.00%	- 1.00%

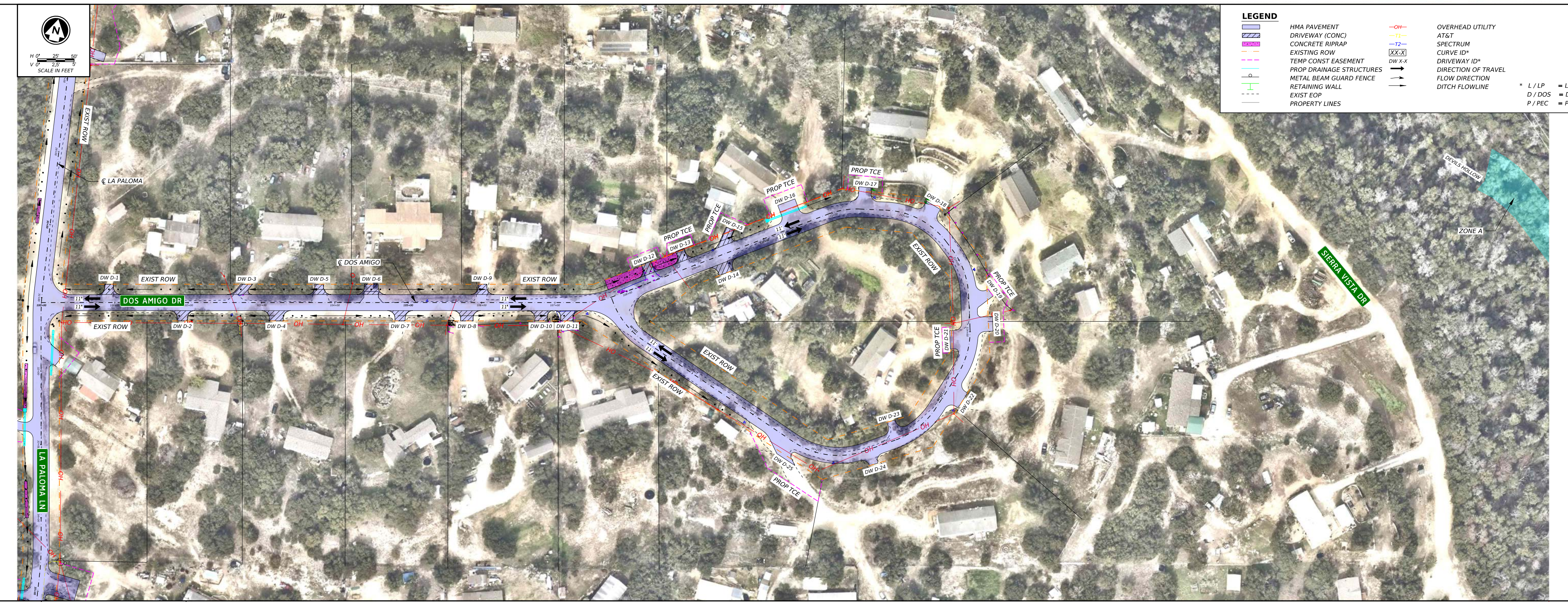
TABLE OF ℄ PECOS DR CROSS SLOPES

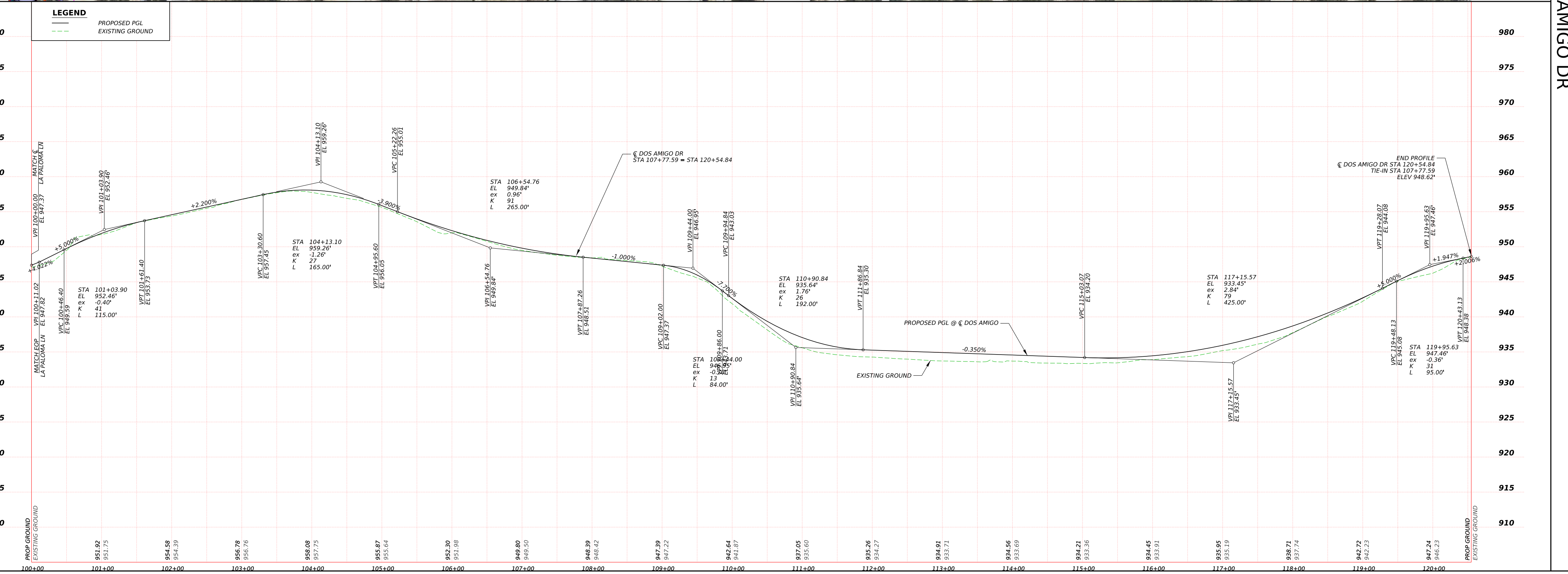
ALIGNMENT	STATION	LT	RT
℄ PECOS DR	200+40.91	- 2.00%	- 2.00%
℄ PECOS DR	213+38.12	- 2.00%	- 2.00%
℄ PECOS DR	214+08.12	- 2.00%	+ 2.00%
℄ PECOS DR	217+77.16	- 2.00%	+ 2.00%



CROSS SLOPE SIGNING CONVENTION LOOKING IN THE DIRECTION OF INCREASING STATIONS

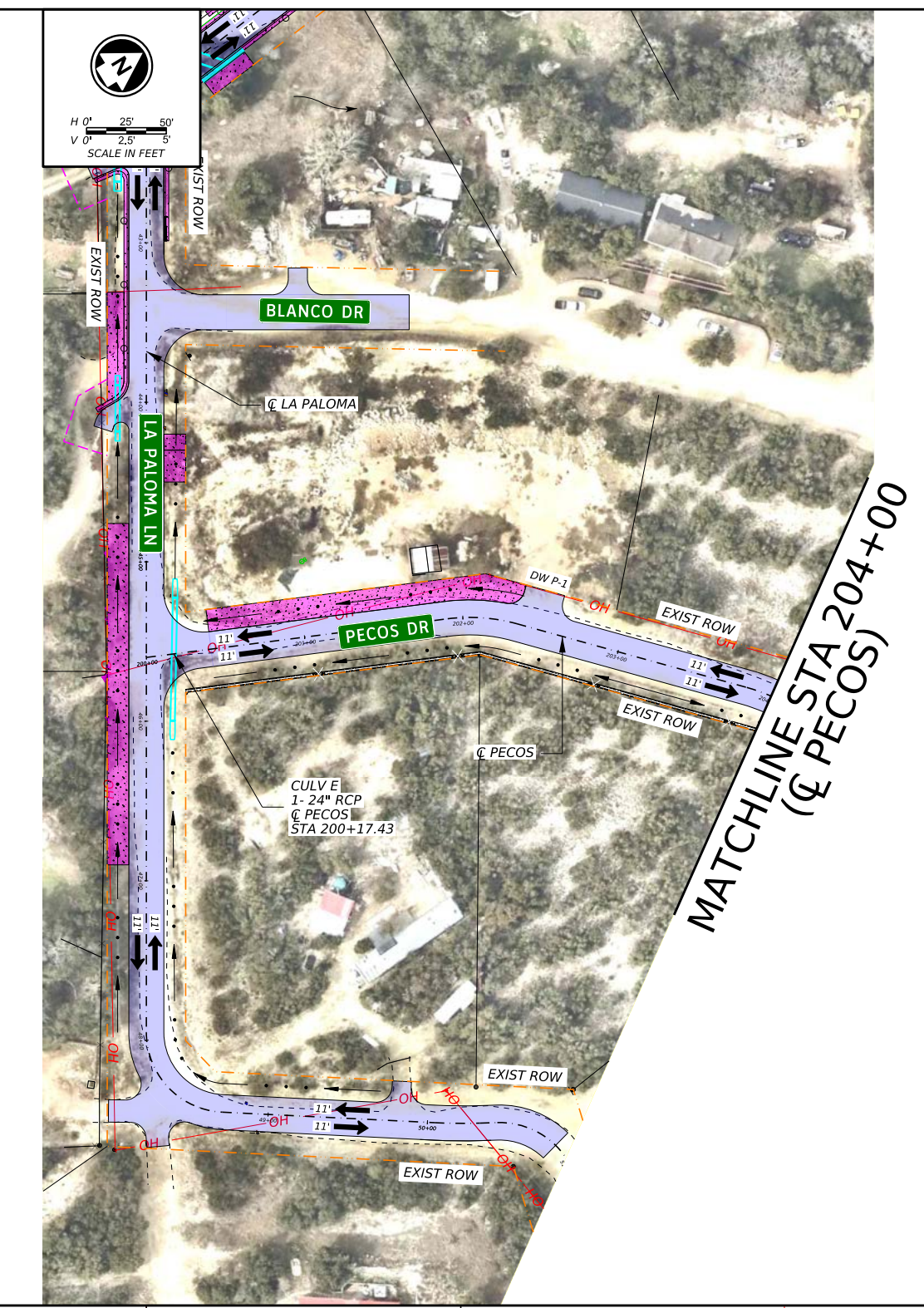
BEGIN DOS AMIGO DR



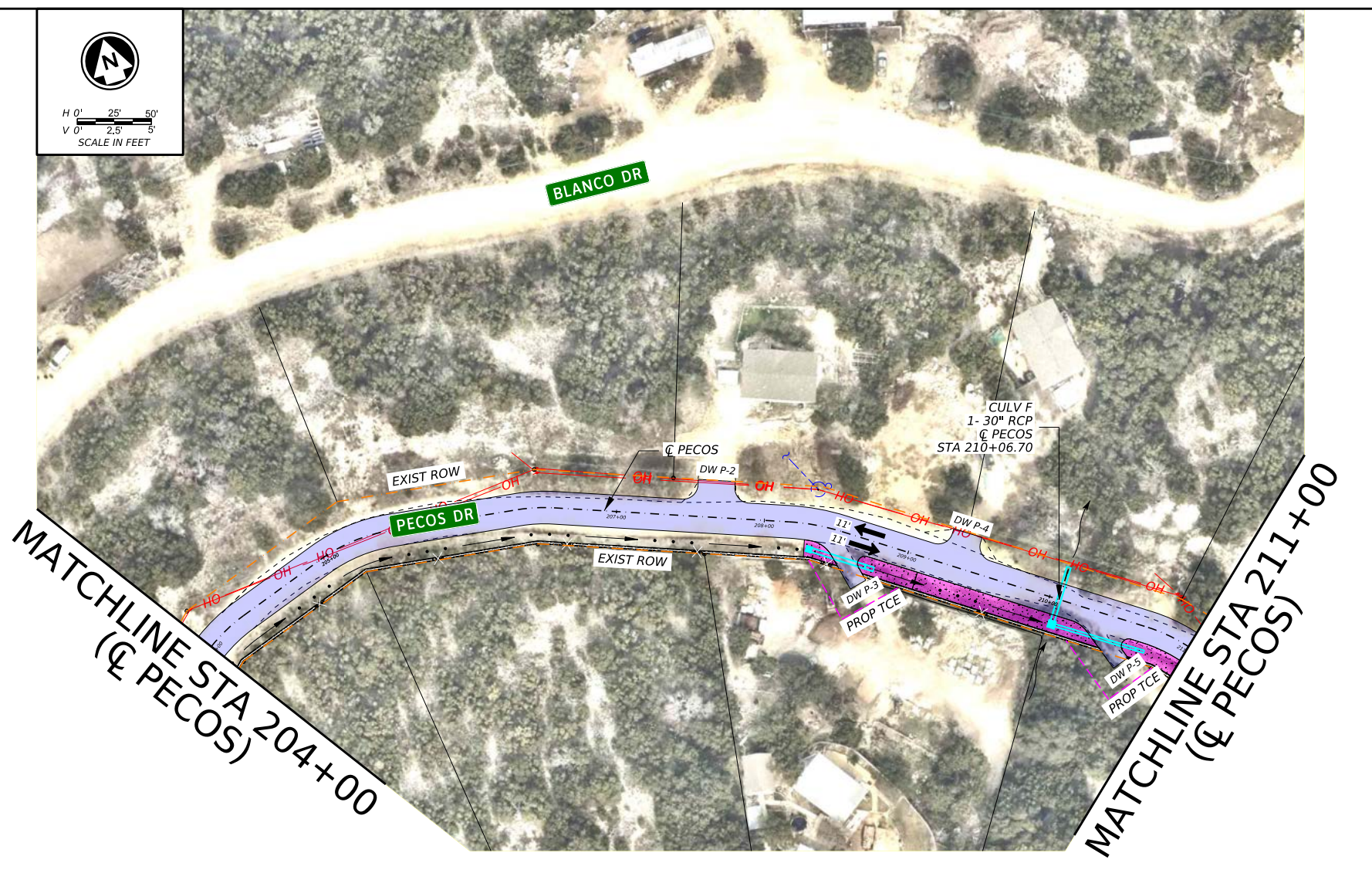


END DOS AMIGO DR

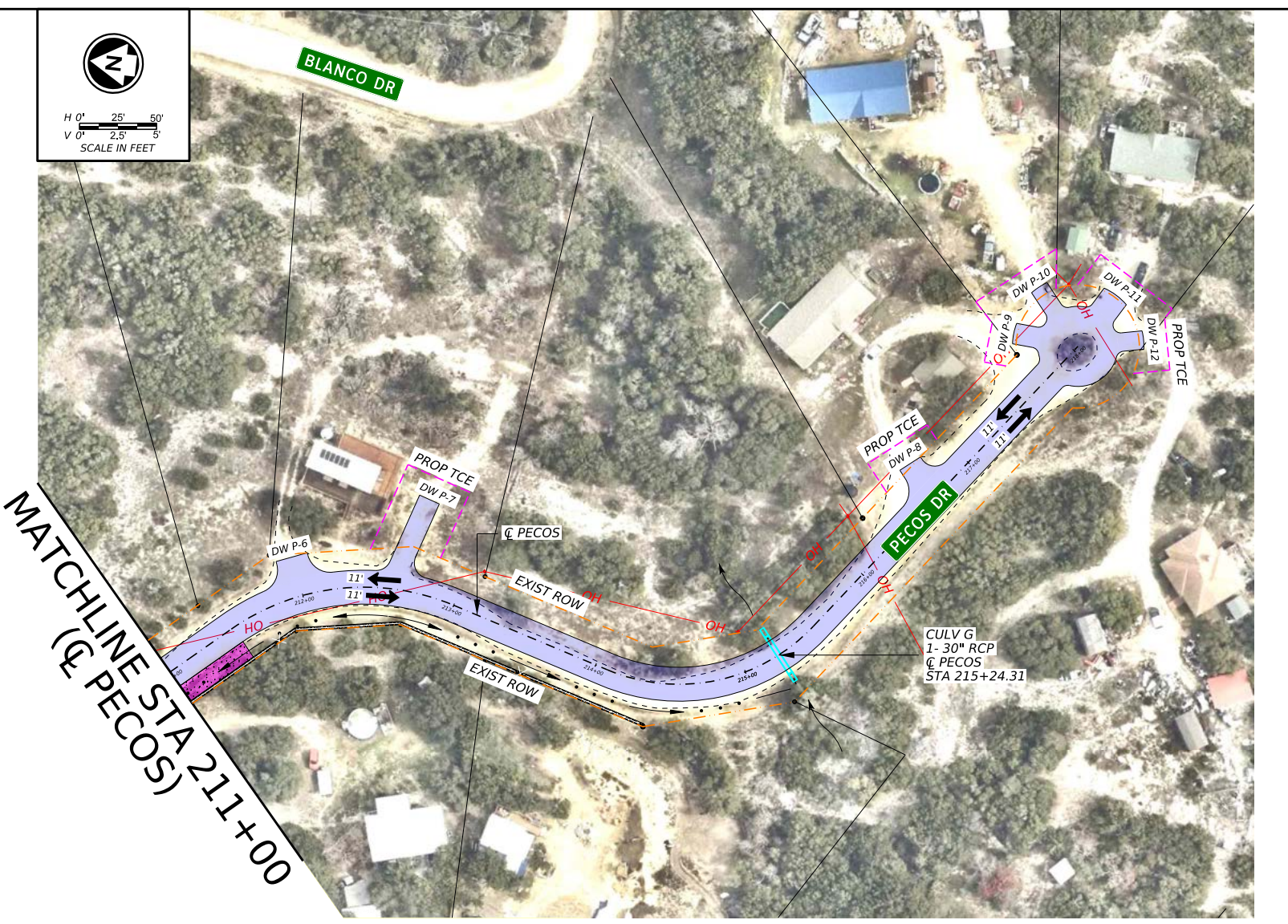
BEGIN PECOS DR



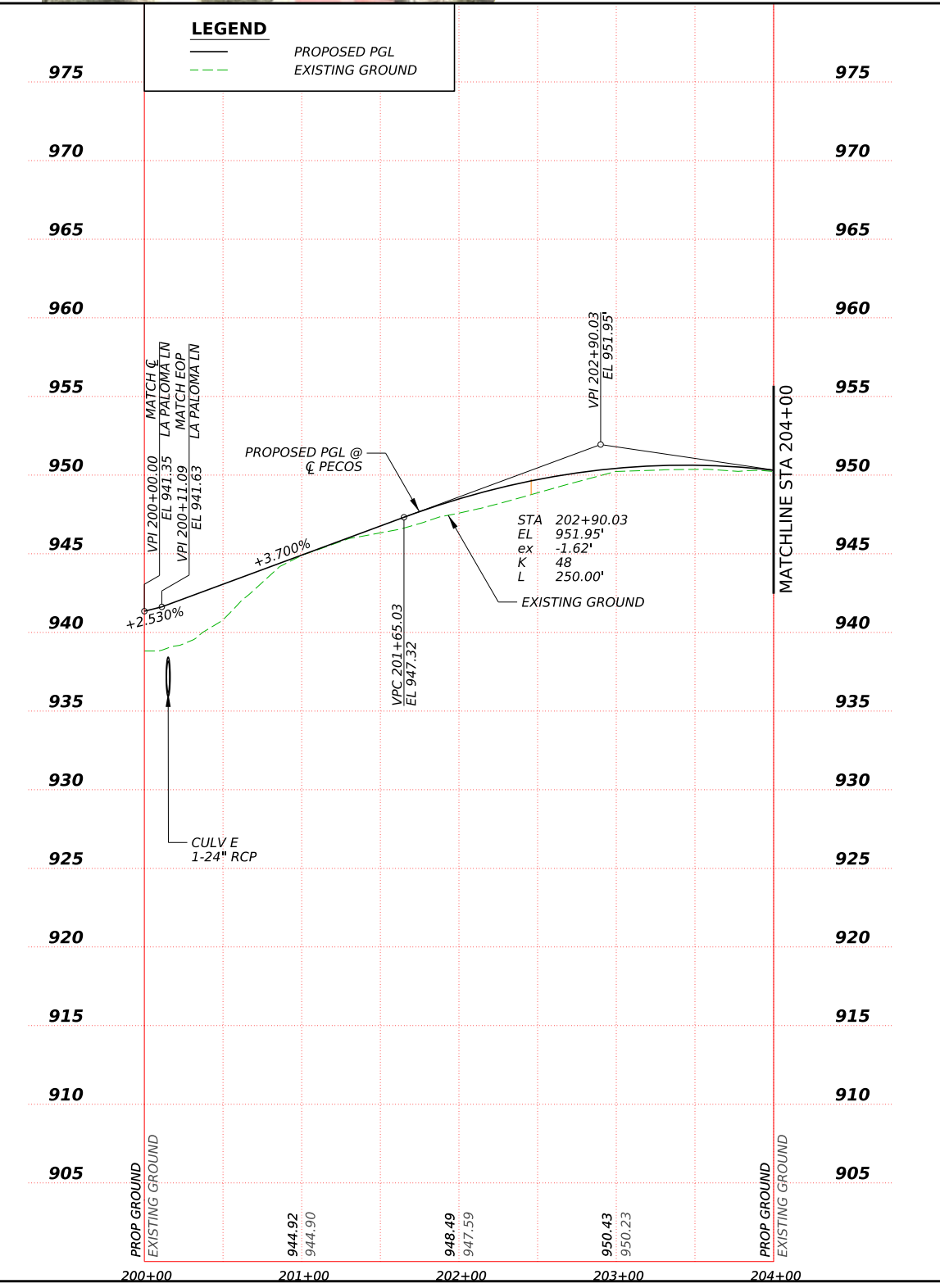
MATCHLINE STA 204+00 (℄ PECOS)



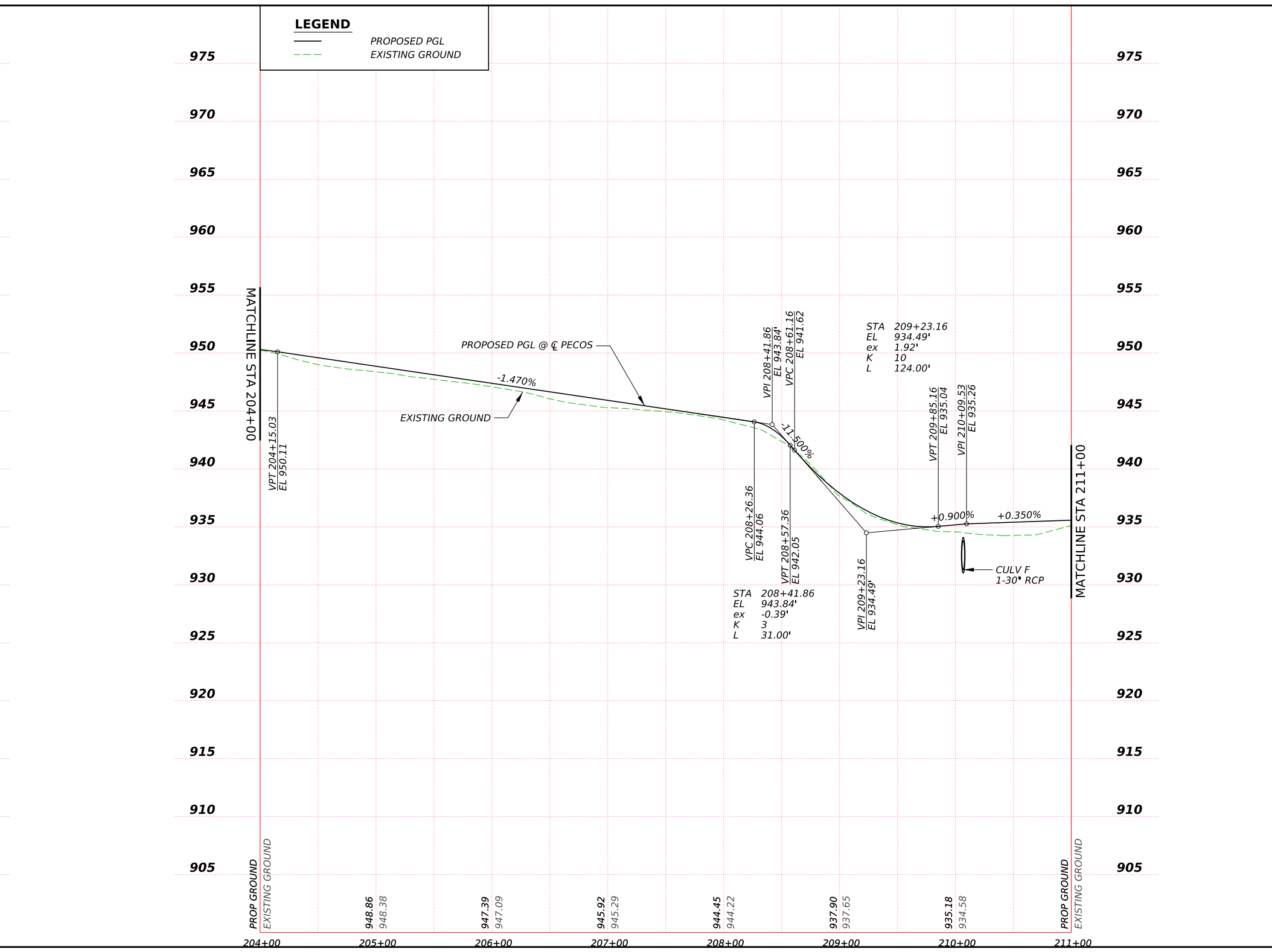
MATCHLINE STA 204+00 (℄ PECOS)
MATCHLINE STA 211+00 (℄ PECOS)



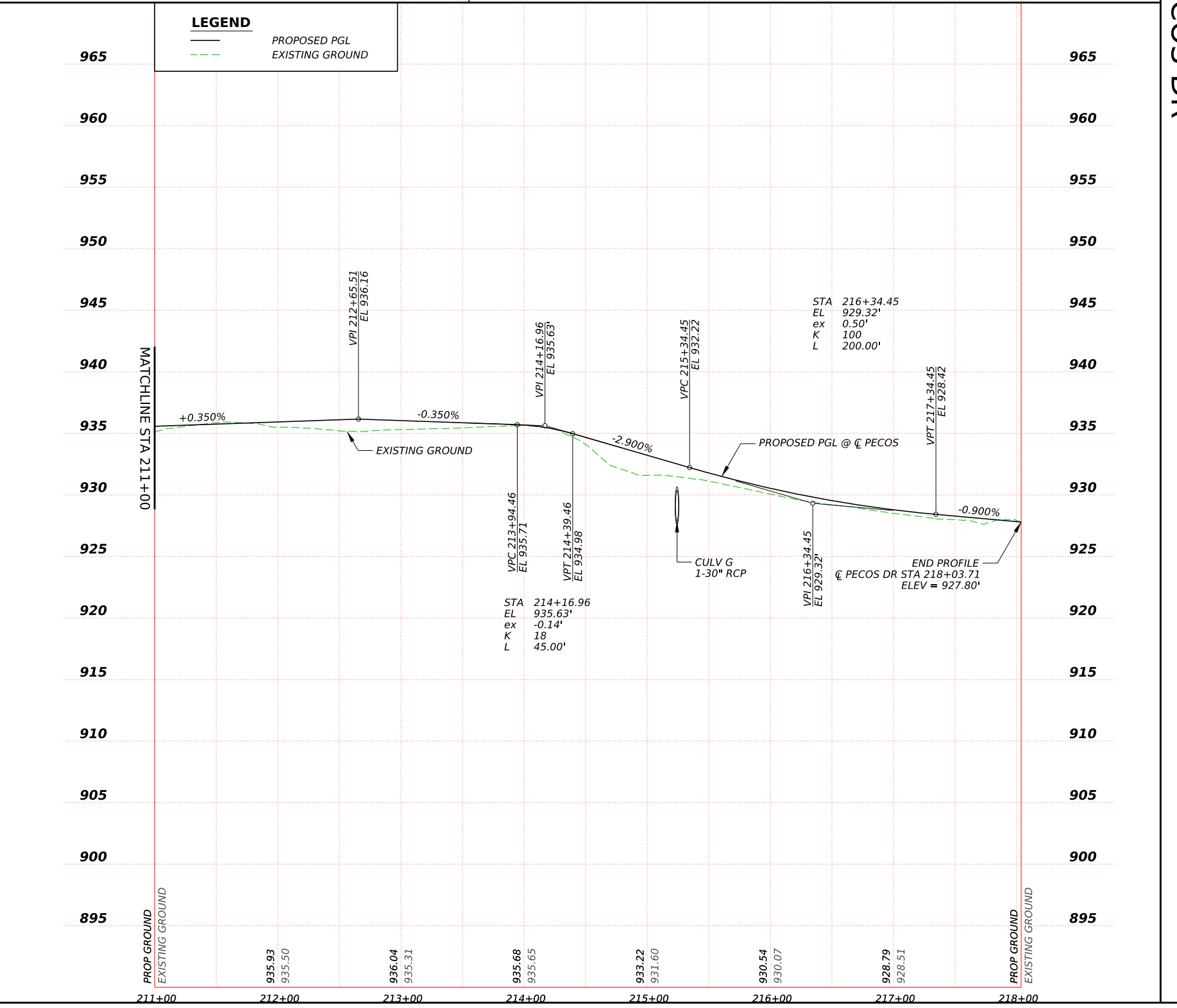
MATCHLINE STA 211+00 (℄ PECOS)

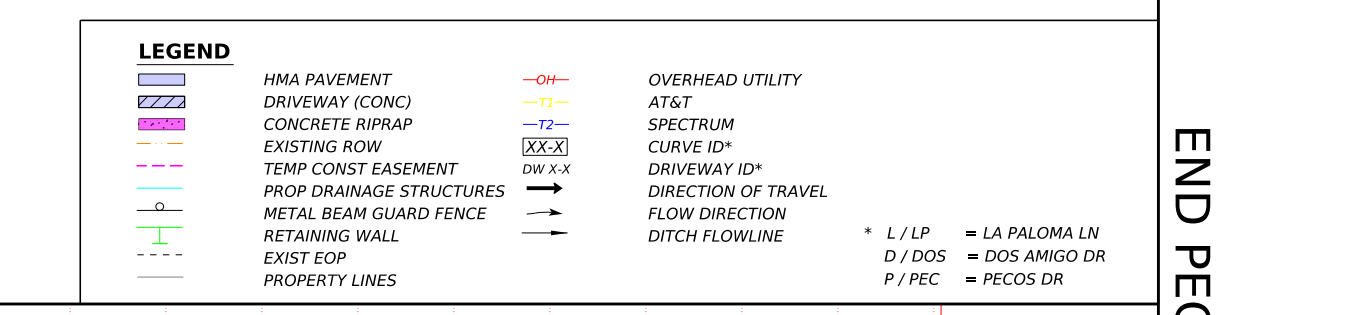


MATCHLINE STA 204+00

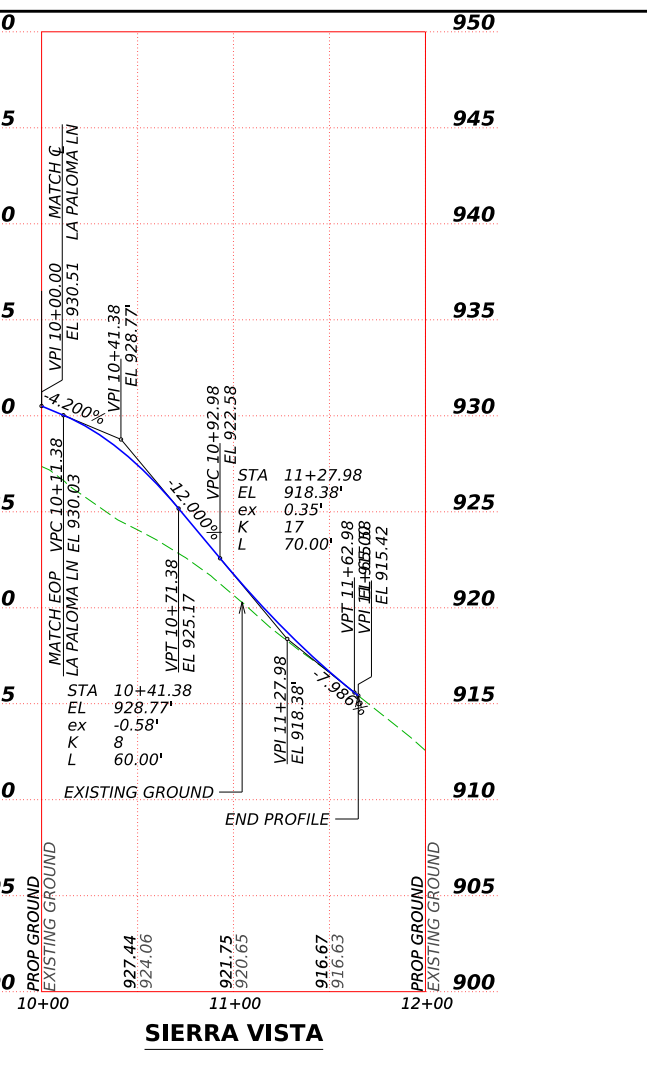


MATCHLINE STA 211+00

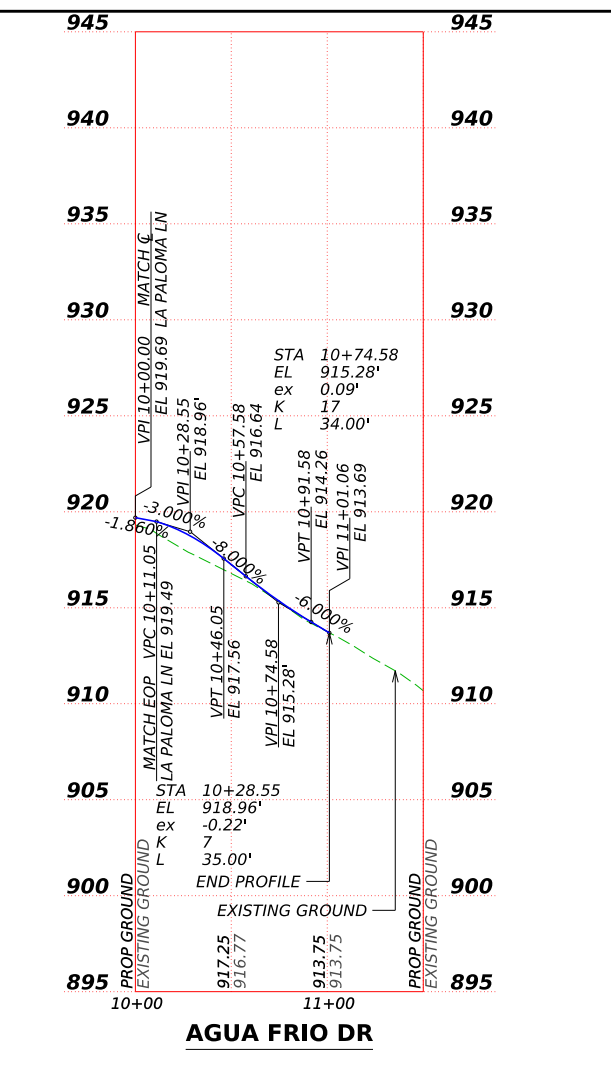




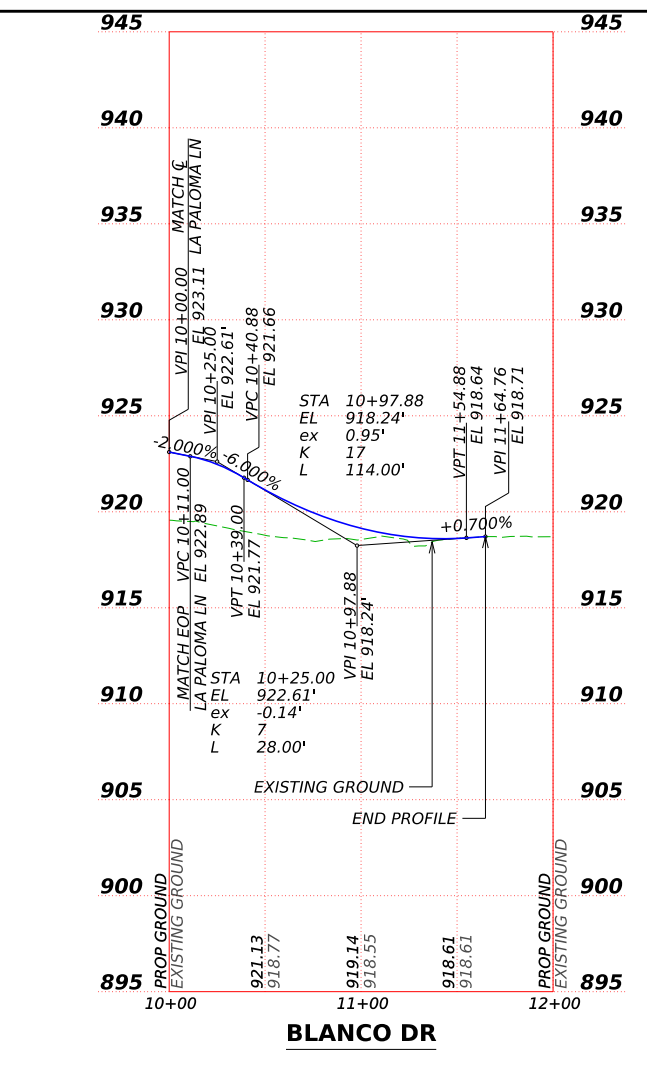
END PECOS DR



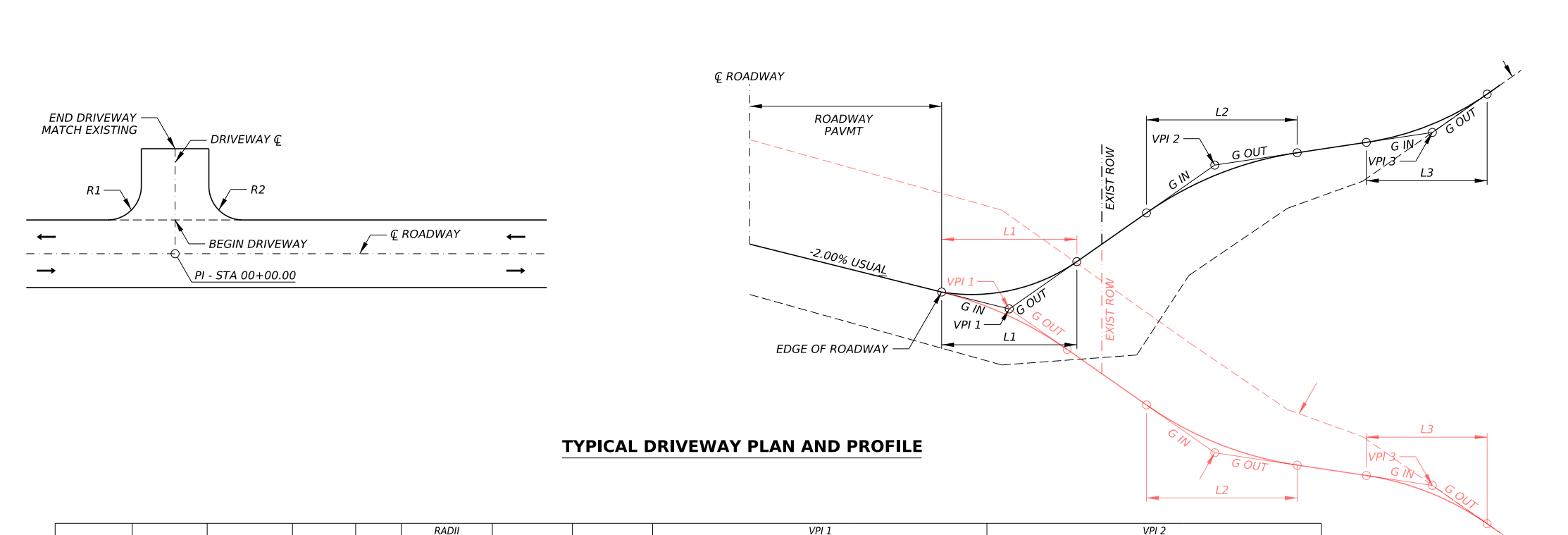
SIERRA VISTA



AGUA FRIO DR



BLANCO DR



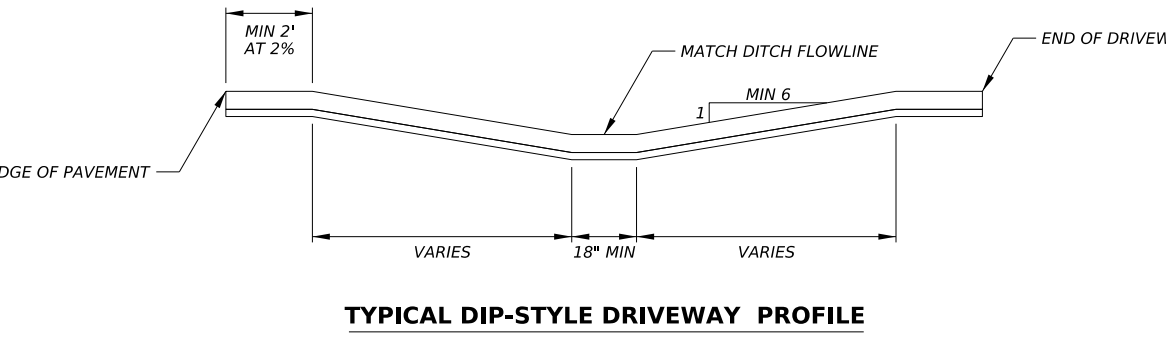
TYPICAL DRIVEWAY PLAN AND PROFILE

DRIVEWAY NAME	ALIGNMENT	RDWY STATION AT DRWY	RDWY GRADE AT DRWY	WIDTH (FT)	RADII R1	RADII R2	ELEVATION AT EDGE OF PAVEMENT	DRWY STATION AT EDGE OF PAVEMENT	VPI 1 DRWY STATION	VPI 1 ELEVATION (FT)	VPI 1 G IN	VPI 1 LENGTH OF VERTICAL CURVE (FT)	VPI 1 G OUT	VPI 2 DRWY STATION	VPI 2 ELEVATION (FT)	VPI 2 G IN	VPI 2 LENGTH OF VERTICAL CURVE (FT)	VPI 2 G OUT
DW P-1*	PECOS DR	202+45.90	-2.00%	25	10	10	949.42	0+11.00	0+13.00	949.38	-2.00%	4	-12.00%	0+21.94	948.31	-12.00%	6	-2.90%
DW P-2*	PECOS DR	207+66.38	-2.00%	25	10	10	944.72	0+11.00	0+14.00	944.42	-10.00%	6	-14.53%	-	-	-	-	-
DW P-3**	PECOS DR	208+41.73	-7.45%	12	20	5	942.31	0+15.43	0+19.43	942.43	3.00%	8	15.00%	0+39.24	945.39	15.00%	6	7.59%
DW P-4*	PECOS DR	209+34.64	-2.00%	20	10	10	935.65	0+11.00	0+14.00	935.5	-5.00%	6	-13.00%	-	-	-	-	-
DW P-5*	PECOS DR	210+21.03	-0.91%	12	20	5	935.14	0+18.42	0+30.66	935.03	-0.90%	10	12.00%	-	-	-	-	-
DW P-6	PECOS DR	211+99.62	-2.00%	21	15	15	935.71	0+11.00	0+13.00	935.67	-2.00%	4	-6.50%	0+22.89	935.03	-6.50%	6	-3.60%
DW P-7**	PECOS DR	212+56.90	-1.81%	7	10	10	935.92	0+11.51	0+13.51	935.72	-10.00%	-	-15.00%	-	-	-	-	-
DW P-8	PECOS DR	216+67.06	-4.15%	8	15	10	928.79	0+11.32	0+14.32	928.72	-2.14%	6	2.75%	0+22.77	928.95	2.75%	4	0.47%
DW P-9*	PECOS DR	218+03.71	-1.19%	13.5	5	5	927.49	0+26.00	0+29.00	927.45	-1.19%	6	-12.00%	0+39.53	926.19	-12.00%	6	-5.20%
DW P-10*	PECOS DR	218+03.71	-2.15%	12	5	5	927.24	0+26.00	0+29.00	927.18	-2.15%	6	-14.00%	0+43.07	925.21	-14.00%	6	-8.50%
DW P-11*	PECOS DR	218+03.71	-1.12%	18	5	5	927.51	0+26.00	0+29.00	927.47	-1.12%	6	-14.00%	0+37.50	926.28	-14.00%	8	-2.50%
DW P-12*	PECOS DR	218+03.71	0.63%	12	5	5	927.96	0+26.00	0+29.00	927.98	0.63%	6	-8.00%	0+39.89	927.11	-8.00%	6	1.75%
DW D-16**	DOS AMIGOS	110+46.83	-1.49%	25	10	10	939.38	0+11.00	0+19.01	940.18	10.00%	4	-15.00%	-	-	-	-	-
DW D-17**	DOS AMIGOS	111+44.20	-1.49%	17	10	10	935.64	0+11.00	0+14.00	935.59	-1.49%	6	-15.00%	0+28.01	933.49	-15.00%	4	-9.50%
DW D-18	DOS AMIGOS	112+28.27	-1.50%	22	10	10	934.99	0+11.00	0+14.00	933.91	-1.50%	6	-9.00%	0+23.42	934.1	-9.00%	4	-4.90%
DW D-19	DOS AMIGOS	113+68.41	-1.03%	12	10	5	934.53	0+13.35	0+18.35	934.48	-1.00%	10	-8.45%	-	-	-	-	-
DW D-20**	DOS AMIGOS	113+90.59	-1.49%	20	5	10	934.43	0+11.00	0+16.00	934.35	-1.50%	10	-15.00%	0+27.71	932.59	-15.00%	6	-6.20%
DW D-21	DOS AMIGOS	114+09.96	1.43%	25	10	10	934.68	0+11.12	0+20.69	934.82	1.50%	12	9.80%	-	-	-	-	-
DW D-22**	DOS AMIGOS	114+87.30	-1.49%	24	10	10	934.09	0+11.00	0+14.00	934.04	-1.50%	6	-14.50%	0+21.86	932.9	-14.50%	6	-5.25%
DW D-23**	DOS AMIGOS	115+83.56	1.50%	12	10	10	934.48	0+11.00	0+18.06	934.59	1.50%	14	15.00%	-	-	-	-	-
DW D-24**	DOS AMIGOS	116+26.46	-4.09%	12	10	10	934.27	0+11.00	0+13.26	934.18	-4.00%	4	-15.00%	-	-	-	-	-
DW D-25*	DOS AMIGOS	117+73.14	-3.56%	15	5	30	937.06	0+22.01	0+29.33	936.8	-3.56%	12	-15.00%	-	-	-	-	-
DW B-1	BLANCO	10+95.00	-2.00%	12	10	10	919.05	0+11.00	0+11.00	919.05	-2.00%	-	-2.75%	-	-	-	-	-

SUMMARY OF DIP-STYLE DRIVEWAYS

DRIVEWAY NAME	ALIGNMENT	RDWY STATION AT DRWY	RDWY GRADE AT DRWY	WIDTH (FT)	RADII R1	RADII R2	ELEVATION AT EDGE OF PAVEMENT	DRWY STATION AT EDGE OF PAVEMENT
DW D-1	DOS AMIGOS	100+92.29	-2.00%	12	10	10	951.4	0+11.00
DW D-2	DOS AMIGOS	101+92.15	-2.00%	14	10	10	954.18	0+11.00
DW D-3	DOS AMIGOS	102+58.70	-0.09%	12	15	5	955.85	0+14.44
DW D-4	DOS AMIGOS	103+20.07	-2.00%	19	10	10	956.99	0+11.00
DW D-5	DOS AMIGOS	103+78.61	-2.00%	12	10	10	957.86	0+11.00
DW D-6	DOS AMIGOS	104+49.60	-2.00%	19	10	10	957.23	0+11.00
DW D-7	DOS AMIGOS	104+88.90	-2.00%	14	10	10	956.08	0+11.00
DW D-8	DOS AMIGOS	105+79.81	-2.00%	17	10	10	952.72	0+11.00
DW D-9	DOS AMIGOS	106+01.25	-2.00%	12	10	10	952.05	0+11.00
DW D-10*	DOS AMIGOS	106+81.11	-2.00%	17	10	8	949.97	0+11.00
DW D-11	DOS AMIGOS	107+16.27	-2.00%	17	8	10	949.28	0+11.00
DW D-12*	DOS AMIGOS	108+38.54	-1.87%	14	10	10	947.79	0+11.00
DW D-13*	DOS AMIGOS	108+88.06	-1.50%	12	10	10	947.34	0+11.00
DW D-14	DOS AMIGOS	109+36.39	1.48%	21	10	10	946.71	0+11.00
DW D-15*	DOS AMIGOS	109+33.30	-3.83%	12	15	5	946.06	0+15.58

*** DRIVEWAY GRADE MEETS OR EXCEEDS 10%**
**** DRIVEWAY GRADE MEETS OR EXCEEDS 15%, OR GRADE BREAK EXCEEDS 13%**



TYPICAL DIP-STYLE DRIVEWAY PROFILE