

NAME

BMS

Class

Course

Party

1992

FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

EUGENE DIETZGEN Co.

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

BENCH MARKS

according to Job number & name.
showing locations of same; and
description & elevations.

MICROFILMED

DEC 30 1964

Job. No	Name	Datum	Elev.	Description
	Broadway Extension	city	206.738	31 st + B. St. N.W. Cor. - Brass Plug in curb.
"	"	"	167.324	30 th + F. St. S.W. Cor. hd. R.R. spike in Pole.
"	"	"	166.995	" " S.E. " ^{Brass} Plug. in Curb.
"	"	"	163.936	31 st + F. St. N.L. "F" 60' W. of 31 st Bolt top of retaining wall.
"	"	"	94.157	32 nd + F. St. S.W. Cor. Plug. in Monument
"	"	"	89.577	33 rd + F. St. N.E. Cor. - Monument.
"	"	"	185.422	30 th + "E" St. S.W. Cor. hd. R.R. spike in Pole.
"	"	"	187.630	30 th + E. St. N.W. Cor. Brass plug in curb.
"	"	"	157.613	" + "G" St. N.W. Cor. inside property line. - Brass plug. - Conc. monument.
"	"	"	95.578	33 rd + E. - N.W. Cor. - Monument.
"	"	"	74.575	33 rd + G. N.W. " "
"	"	"	92.739	33 rd + Lemon Grove Blvd. S.E. Cor. R.R. spike.
"	"	"	63.996	34 th + Lemon Grove Blvd. N.E. Cor. monument.
"	"	"	51.095.	35 th St + Lemon Grove Blvd. N.W. Cor. Monument

Job No	Name	Datum	Elev.	Description.
	University Ave & 37 th St.	City	351.911	J.W. Cor. Brass Plug.
"	" .. Boundary	"	333.444.	N.W. " " "
"	" .. Swift St.	"	358.86	N.W. " " "
"	" .. 35 th ..	"	361.55	N.W. Cor. " "
"	" .. Wilson	"	360.61.	N.W. " " "
"	" .. 34 th	"	349.47	N.W. " " "

Job No

Name

Datum

Elev.

Description.

Job No	Name	Datum	Elevation.	Description.
198	Villa Lot #89 in Normal Hts.	City	394.01	Brass plug in curb. S.W. corner of Hawley Blvd. + Mountain View Drive.
		"	395.42	Brass plug in curb. Mountain View Drive and 35 th Street. - S.W. west corner.

202- Broadway Ext.

Bm's - Book 211.

Job No Name Datum Elev.

278 Jamacha Road U.S.G.S. 283.608

elevation at city limits where city of Encanto ends - where Black Pavements meets white Pavement is ~~274.60~~

274.60 can be used to ck our B.M.s on Poles

(1st)

305.332

Sta. no. of city limits west of Encanto. 167.152
~~San Diego~~ 100 + 12.48 elevation at $\frac{1}{2}$ of rt
 at city limits is 169.975.

R.R. spike in Brace pole at ~~later~~ sta. 100 + 1/2 ^{left}
 left of Road. 93.53 ft from $\frac{1}{2}$ and nail in Phone
 pole 38.03 ft ^{left} from $\frac{1}{2}$ are R.P.s to where
 job ended.

Pavement going thru Encanto
 was done in 1910 and B.M.s - are not
 reliable.

S. 89° 07 1/2 E - 996.15' to 4x4 Plug N.E
 cor of lot 15 which is city boundary corner
 from where job ends.

Station No of city limits is 200 + 69.05

~~OUT~~ Description.

B.M. #16 - San Diego Co. Highway Comm.
 Lemon Grove Road #4. - R.R spike in
 Power Pole # 70187 - 21 ft. Lt. of Sta
 205 + 93. - ~~almost exactly on city
 limits of Encanto & San Diego.~~

B.M. #17 R.R spike in Power Pole
 # 70192 - 20 ft left of Sta 220 + 94

B.M. #9 R.R. SPIKE in Tel Pole
 22' ft. Rt. of sta 95 + 88 OUT

Job. No	Name	Datum	Elev.	Description.
Jamacha Road				
B.M's - on Helix along the Jamacha. <u>Note.</u> These elevations are County datum.				
278	Jamacha Rd	45.65 45.65	275.04	Spike Telephone Pole - Int. La Presa + Jamacha Road.
272	Jamacha. Rd.		300.13	Spike Tel. Pole on Fence line near 13+87 Jamacha.
"	"		300.21	Nail Tel Pole 35' Rt. - sta. - 25+10. Jamacha Road.
"	"		337.18	Hub. - 55 Rt. - 34+15 Jamacha Rd
"	"		347.58	Nail in Tree - 20' Rt. - 39+10 Jamacha Rd
"	"		351.33	Nail in Fence Post. 30' Rt. - 48+25 - Jamacha Road.
B.M. # 34	National Ave		435.23	2x2 hub 35' L sta. 288+00 National Ave Near Jamacha.
B.M. # 33-			438.59	2x2 hub, - 30 Rt. - 280+00 National Ave
B.M. # 35			436.61	2x2 hub, - 38' L sta 300+00

Railroad B.Ms.

Job No	Name	datum	Elev	Description.
<u>269</u>	Roalfe. Job.	U.S.G.S.		
	R.R. B.M. #U57	"	37.234	R.R. spike in N. abutment of R.R. Xing over Tijuana Road.
	B.M. #1 Sta 0+00 [±]	"	16.523	2x2 Hub with nail 40' lt.
	B.M. #2 " 13+10 [±]	"	25.540	2x2 Hub+nail 75' lt
	B.M. #3 " 25+50	"	32.052	2x2 Hub+nail 50' rt.
	B.M. #4 " 33+00	"	34.667	Nail in Eucalyptus Tree 60' rt.
	B.M. #5 " 43+00	"	41.958	2x2 hub+nail 75' rt.
	B.M. #6 " 47+50	"	41.068	Nail in Eucalyptus Tree - 50' left.
	B.M. #7 " 58+60	"	45.091	2x2 hub+nail 50' lt.
	B.M. #8 " 65+00	"	47.630	Nail in Eucalyptus Tree 20' rt.
	B.M. #9 " 77+50	"	57.524	Nail in Fence Post 60' left.
	B.M. #10 " 87+60	"	69.228	Nail in Power Pole #84282 75' left.
	B.M. #11 " 101+50	"	79.108	2x2 hub+nail 50' left.

Roalfe Job

Job No	Name	Datum.	Elev.	Description.
<u>269.</u>	Roalfe.	U.S.G.S.		
BM #12	Sta 113+30	Roalfe	91.173	Nail in Power Pole # 84217 - 25' rt
BM #13	" 123+50		100.896	Nail in 2x2 hub. - 50' left.
B.M #14	" 134+50		90.967	Nail in Eucalyptus Tree 100' rt.
B.M. #15	" 141+90		100.868	Nail in Eucalyptus Tree 50' Lt.
BM #16	" 152+00		107.737	Nail in 2x2 50' Lt.
BM #17	" 162+00		119.944	Nail in Tel. Pole 60' Lt. In front of Japs house.
B.M #18	" 172+00		118.302	Nail in 2x2 - 50' Lt.
B.M #19	" 181+75		122.713	Nail in 2x2 50' Lt.
BM #20	" 189+75	133.680	Nail in Power Pole # 84517 40' Lt. In Yard at. Plant.	

Poplar Street. City B.M.s	Datum.	Elev.	Description.
Dwight St. + Central Ave	City of S.D.	330.04	N.W. Cor. Brass Plug.
" " + 40 th St.	"	327.53	S.W. " " "
" " 41 st	"	330.55	N.W. " " "
Fairmount Ave + Dwight St.	"	340.89	N.W. " " "
" Quince St.	"	299.00	N. Prop. Line Quince Sec. Li. 32 Cor. Mon.
" Olive St.	"	296.48	£ St. Cor. Mon.
" Maple St.	"	280.59	£ St. " "
Cedar + Felton.	"	225.392	N.W. Cor. Monument.
Fir + Felton.	"	235.377	S.W. Cor. Monument.
Beech " "	"	222.324	N.W. " "
" " 33 rd St.	"	219.586	S.E. " "
Ash + Felton	"	201.993	S.W. " "
" " 33 rd	"	192.845	N.E. " "
A " Gregory	"	184.911	N.W. " "
A " 33 rd St.	"	162.427	N.E. " "
C + 32 nd St.	"	177.776	S.W. Plug in " (177.776)
C + 33 rd "	"	127.299	N.E. Cor. "
C + 34 th "	"	137.877	N.E. " "
Broadway + 33 rd St.	"	106.547	N.W. Cor. Plug in Monument.
" " 34 th "	"	99.258	N.E. " " " "
" " 35 th "	"	56.617	N.W. " " " "
Lemon Grove Blvd + 35 th St.	"	51.095	N.W. " Monument
" " " " 33 rd "	"	92.739	S.E. Cor. R.R. Spike
" " " " 34 th	"	63.996	N.E. " Monument.

Pacific Beach.

	<u>Datum</u>	<u>Elev.</u>	
Garnet Ave & Haines	C.S.D.	67.043	Brass Plug in Conc. Monument. S.E. Cor. inside P.L.
Fanuel St & Hornblend.	"	41.890	S.E. Cor. Inside P.L. Brass plug in Conc. Mon.
Jewell St + Grand.	"	51.844	N.W. Cor. Brass Plug. - End of return.
Lamont St + Grand.	"	50.373	N.W. Cor. Brass Plug. - End of return.
Kendall St + Grand.	"	51.506.	N.W. Cor. Brass Plug. end of return.

Daves & Diamond
SW Cor. inside Property line
Brass plug in Conc. Mon. 51.24