

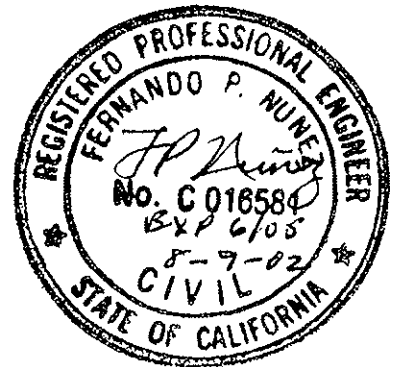
APPENDIX F

NUNEZ ENGINEERING SURVEYOR REPORTS

MONITORING WELL SUMMARY

ASCN LANDFILL SITE

WELL No.	COORDINATES		ELEV. (MARK OR NORTH) TOP OF CASING PIPE	REMARKS
	NORTHING	EASTING		
AW-1	-	-	-	UNABLE TO LOCATE WELL
AW-2	2183380.2353	6037872.8838	8.08'	
AW-3	2184284.0970	6037923.5159	10.84'	
AW-4	2183435.8951	6036745.7182	8.47'	
AW-5	2183831.5497	6036683.7825	7.32'	
AW-6	-	-	-	UNABLE TO LOCATE WELL
AW-7	-	-	-	UNABLE TO LOCATE WELL
AW-8	2184598.3473	6036659.3652	8.24'	
B-2	2184543.0343	6036959.1574	27.00'	
B-4	2183804.6920	6036895.1672	21.30'	
B-5	2183956.1149	6037170.9115	28.13'	
B-6	2183762.9117	6037828.8729	10.51'	
B-7	2183728.1218	6037742.5442	17.57'	
NMW-1	2184551.9991	6036863.4383	23.74'	
NMW-2	2184048.0933	6036763.6026	19.81'	
B-4 (MW-4)	2184619.5954	6037814.4101	24.69'	
MW-9	2183382.5490	6037255.9301	17.49'	
B-13 (MW-13)	2183874.8929	6037930.1676	9.29'	
B-14 (MW-14)	2184615.1249	6037387.2977	25.19'	
B-15 (MW-15)	2183431.1863	6037925.5957	8.03'	
MW-16	2184734.5505	6037356.1556	9.47'	
MW-17	2184740.1220	6036674.1889	7.63'	
MW-18	2183742.8406	6038061.6375	9.14'	



BENCHMARK NOTE:

DESIGNATION	DESCRIPTION	NAVD 88 HEIGHT (FT.)
1G-151-74	A 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1G-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST., 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. AND 81.30 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT. EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.	5.609

NUÑEZ ENGINEERING
CIVIL • SOILS • SURVEYING

6509 PAINTER AVE
WHITTIER, CA. 90601
PH. (562) 945-8915
FAX. (562) 945-1705

c/o JACK RUSSO

ASCN LANDFILL
S.W. COR. OF MAGNOLIA ST. & HAMILTON AVE.
HUNTINGTON BEACH, CA

DATE: 08-09-02

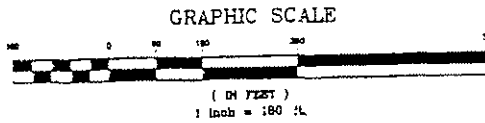
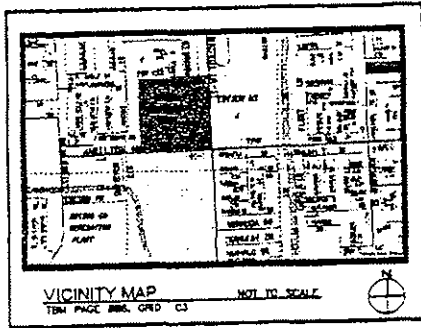
NE: 2219

PLATE: 1

NEWLAND STREET
S 00°41'01"E

FOUND OCS WELL MON. W/ BRASS WASHER
STAMPED "S01DR1 3-01" IN EXISTING PIPE
N: 2184655.0440
E: 6035328.9020

1320.37



LEGEND

- ⊙ WELL LOCATION
- T.O.C. TOP OF CASING PIPE
- T.M.C. TOP OF METAL COVER
- G.W. GROUND WATER WELL
- ELEV. ELEVATION
- N: NORTHING
- E: EASTING

LEGAL DESCRIPTION

PARCEL 1-3 OF PARCEL MAP No. 86-442, IN THE CITY OF HUNTINGTON BEACH STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 226 PAGE 21, IN THE RECORDER OF SAID COUNTY.

BENCHMARK NOTE:

DESIGNATION	DESCRIPTION
10-151-74	A 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "10-151" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGN 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. & 81.2 NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT EAST OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.

1445.85
AVENUE

MAGNOLIA

1319.85

S 00°40'24"E

127.48

G.W. No.: MW-18
ELEV. AT T.O.P.: 9.14'
ELEV. AT T.M.C.: 9.52'
N: 2183742.8406
E: 6038061.6375

BERMUDA DRIVE

FOUND SPIKE NO REF., ACCEPTED AS CENTERLINE AND WT. OF MAGNOLIA AVE. AND BERMUDA DR.

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ASCON LANDFILL
S.W. COR. OF MAGNOLIA ST. & HAMILTON AVE.
HUNTINGTON BEACH, CA

C/O JACK RUSSO
PROJECT NAVIGATOR, LTD
2600 E. NUTWOOD AVE. SUITE 830
FULLERTON, CA 92831

JOB ADDRESS

OWNER

DATE: 08-08-02

SCALE: 1" = 130'

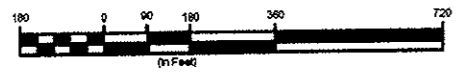
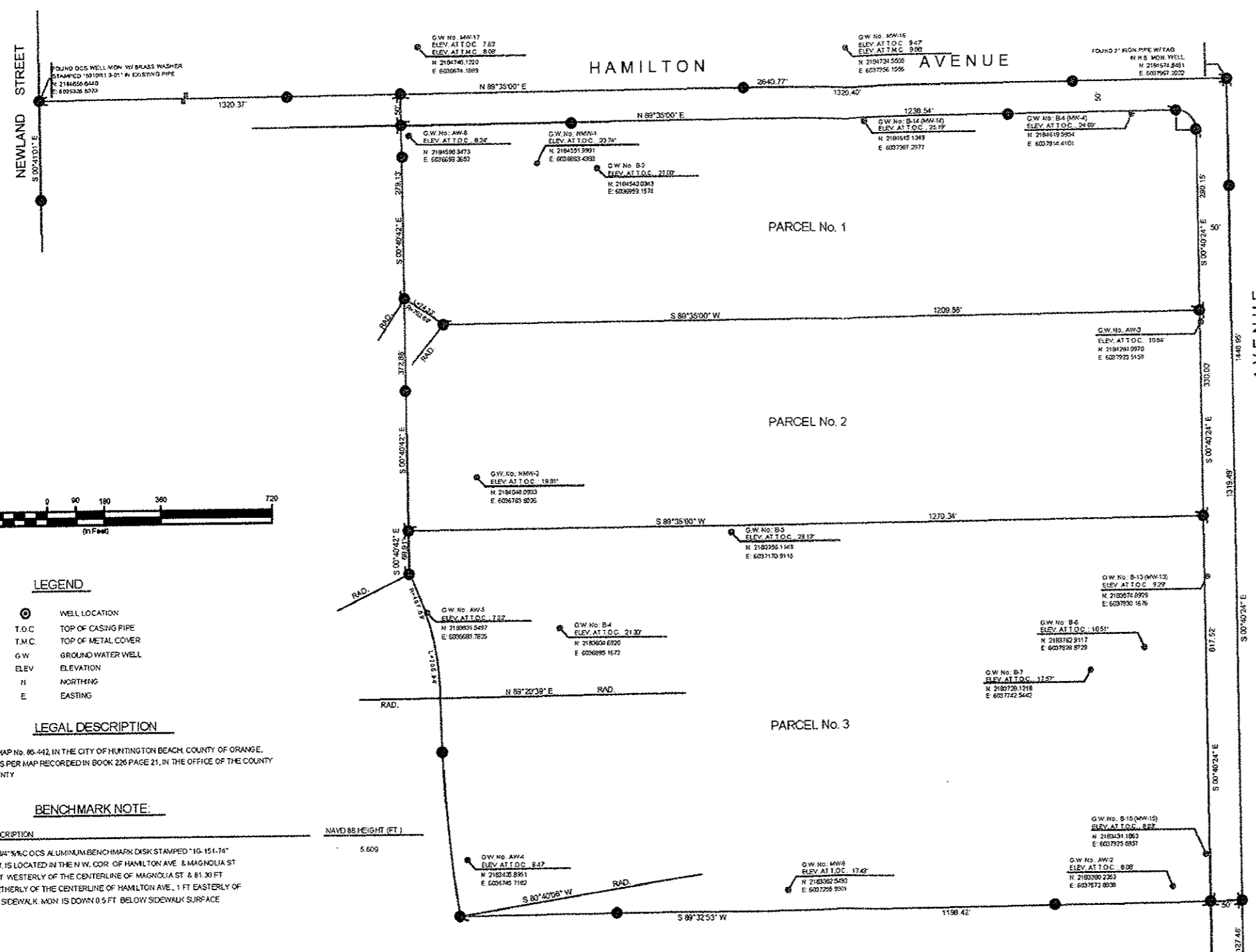
DRAWN: AVC

JOB #: NE2219

SHEET

1

GROUNDWATER WELL LOCATION MAP



LEGEND

- WELL LOCATION
- T.O.C. TOP OF CASING PIPE
- T.M.C. TOP OF METAL COVER
- G.W. GROUND WATER WELL
- ELEV. ELEVATION
- N NORTHING
- E EASTING

LEGAL DESCRIPTION

PARCEL 1-3 OF PARCEL MAP No. 86-442, IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 226 PAGE 21, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY

BENCHMARK NOTE:

DESIGNATION	DESCRIPTION	NAVD 88 HEIGHT (FT.)
IG-151-74	A 3.34" X .96" OCS ALUMINUM BENCHMARK DISK STAMPED "IG-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. & 81.30 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT. EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE	5.609

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JOB ADDRESS
 ASCON LANDFILL
 S.W. COR. OF MAGNOLIA ST. & HAMILTON AVE.
 HUNTINGTON BEACH, CA

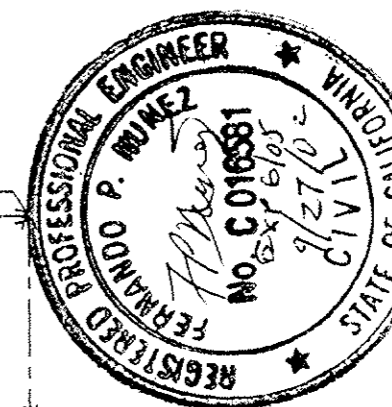
OWNER
 C/O JACK RUSSO
 PROJECT NAVIGATOR, LTD
 2600 E. NUTWOOD AVE. SUITE 830
 FULLERTON, CA 92831

DATE: 08-08-02
 SCALE: 1"=180'
 DRAWN: AVC
 JOB #: NE2219
 SHEET
1

Figure 3-1

Surveyor's Map

GROUNDWATER WELL LOCATION MAP

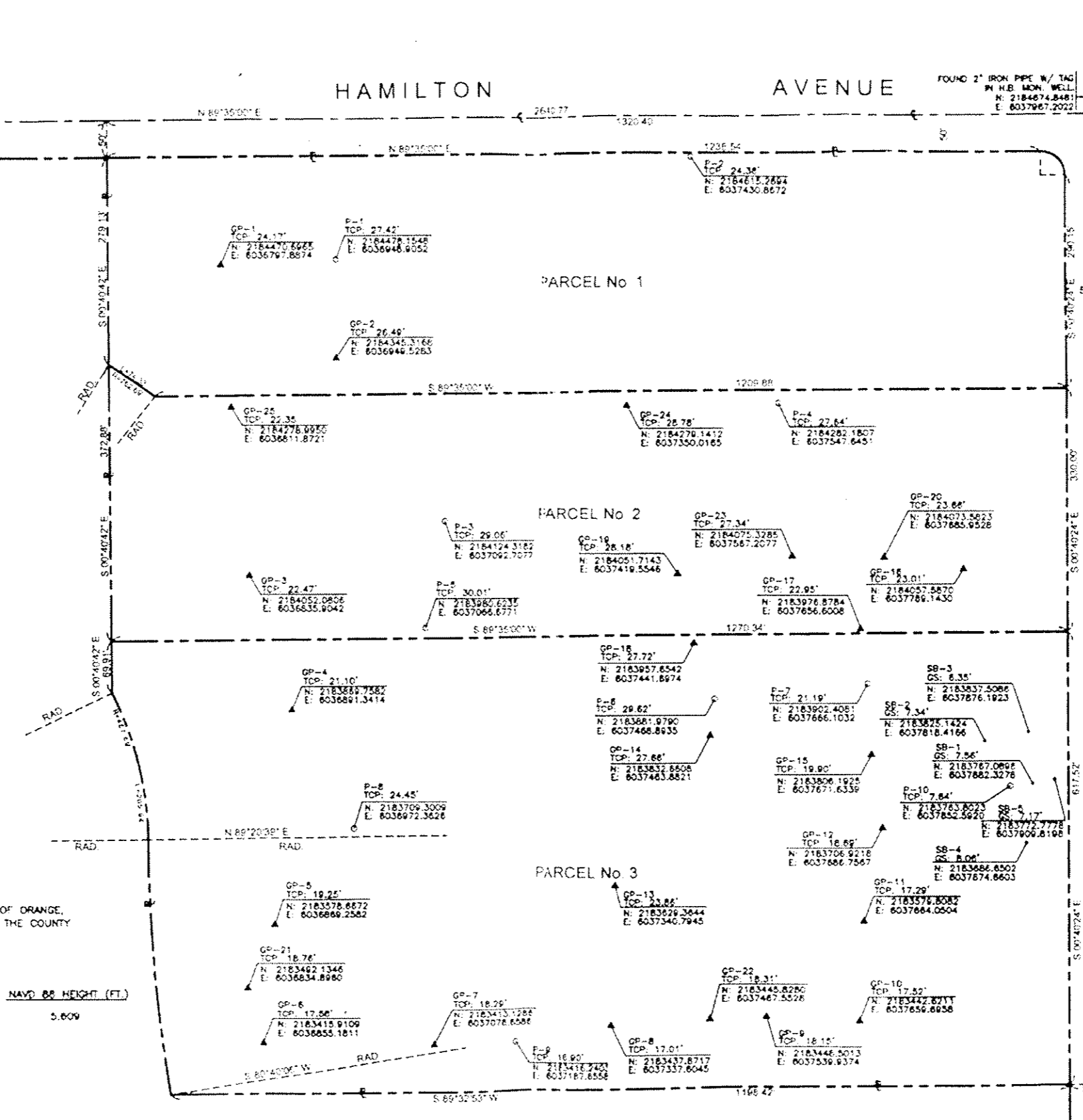


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JOB ADDRESS
 ASCON LANDFILL
 S.W. COR. OF MAGNOLIA ST. & HAMILTON AVE.
 HUNTINGTON BEACH, CA

OWNER
 C/O JACK RUSSO
 PROJECT NAVIGATOR, LTD
 2600 E. NUTWOOD AVE. SUITE 830
 FULLERTON, CA 92831

DATE: 09.20-02
 SCALE: 1"=180'
 DRAWN: AVC
 JOB #: NE2219
 SHEET

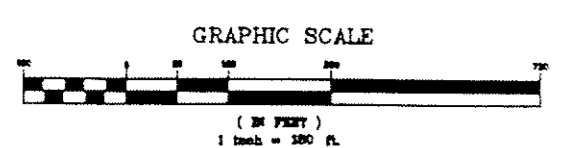


NEWLAND STREET
 FOUND OGS WELL MON. W/ BRASS WASHER STAMPED "5010R1 3-01" IN EXISTING PIPE.
 N: 2184455.8440
 E: 6035326.5020

HAMILTON AVENUE
 FOUND 2" IRON PIPE W/ TAG IN N.E. MON. WELL.
 N: 2184674.8481
 E: 6037967.2022

MAGNOLIA AVENUE
 FOUND SPKEL. NO REF., ACCEPTED AS CENTERLINE AND INT. OF MAGNOLIA AVE. AND BERMUDA DR.

BERMUDA DRIVE



- LEGEND**
- SB-4 TEST BORING
 - GP-1 GEOPROBE MONITORING LOCATIONS
 - P-1 PIEZOMETER WELL LOCATIONS
 - TCP TOP OF CASING PIPE
 - GS GROUND SURFACE
 - ELEV. ELEVATION
 - N: NORTHING
 - E: EASTING

LEGAL DESCRIPTION
 PARCEL 1-3 OF PARCEL MAP No. 86-442, IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 226 PAGE 21, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

BENCHMARK NOTE:

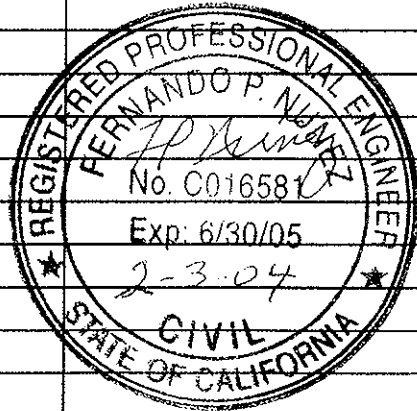
DESIGNATION	DESCRIPTION	NAVD 88 HEIGHT (FT.)
10-151-74	A 3-3/4" OGS ALUMINUM BENCHMARK DISK STAMPED "10-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST. 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. & 81.36 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT. EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.	5.609

SURVEY SHEET

PROJECT NAME ASCON LANDFILL SITE, HUNTINGTON BEACH
 CONTRACTOR : C/O TAMARA ZEIER (PROJECT NAVIGATOR, LTD)
 IMPROVEMENT: WELL LOCATIONS
 CHECKED BY SWA-FPN DATE: 2/03/04

NUNEZ ENGINEERING
 6509 PAINTER AVENUE
 WHITTIER, CA. 90601
 PHONE (562) 945-8945
 FAX (562) 945-1705
 nunez.eng@verizon.net

Pt./id.	STA. No.	COORDINATES		GROUND ELEV.	TOP OF PIPE ELEV.	DESCRIPTION
		NORTHING	EASTING			
AW-1		N 2,183,658.00	E 6,037,195.00			PT. FALLS IN LAGOON.
AW-6		N 2,184,628.00	E 6,037,141.00	17.16		SET WOODEN HUB W/ NAIL
AW-7		N 2,184,626.00	E 6,036,817.00	16.13		SET WOODEN HUB W/ NAIL
GP-5		N 2,183,578.66	E 6,036,869.27		19.51	
GP-16		N 2,184,057.33	E 6,037,789.11		23.18	
GP-20		N 2,184,073.41	E 6,037,685.80		23.88	
GP-21		N 2,183,491.97	E 6,036,834.92		19.05	
GP-23		N 2,184,075.09	E 6,037,567.02		27.56	
GP-24		N 2,184,278.94	E 6,037,349.74		26.59	
P-9		N 2,183,416.00	E 6,037,188.18		18.27	
P-10		N 2,183,763.38	E 6,037,852.32		7.60	



BENCHMARK USED:

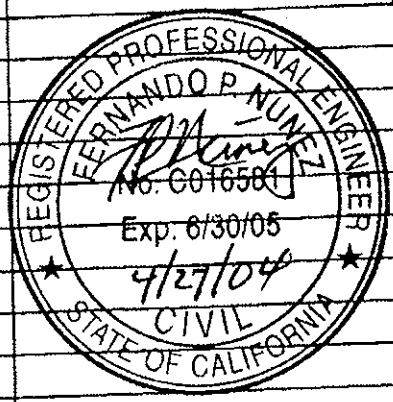
	DESCRIPTION	NAVD 88 HEIGHT (FT.)
<u>DESIGNATION</u> 1G-151-74	A 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1G-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST., 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. AND 81.30 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.	5.609

SURVEY SHEET

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 nunez.eng@verizon.net

PROJECT NAME : ASCON SITE (MAGNOLIA/HAMILTON)
 CONTRACTOR : C/O LAURA MORALES (GEOSYNTEC)
 IMPROVEMENT: WELL LOCATIONS
 CHECKED BY : SWA/FPN DATE: 4-26-04

Well Num.	COORDINATES		TOP OF CASING ELEV.	GROUND ELEV.	DESCRIPTION
	NORTHING	EASTING			
A1	2,184,666.63	6,036,866.33		4.52	SHOT "X" MARK IN A.C. PAVEMENT
A2	2,184,664.39	6,037,201.40		4.97	SHOT "X" MARK IN A.C. PAVEMENT
AW-1	2,183,674.38	6,037,911.53	8.69	7.66	
AW-1A	2,183,561.02	6,037,899.81	12.46	9.67	
AW-4A	2,183,435.73	6,036,756.21	9.78	6.88	
B-4A	2,183,798.39	6,036,903.70	22.16	19.56	
MW-19	2,183,285.78	6,037,947.94	5.20	GS 4.81 AC 5.65	
MW-20	2,184,281.27	6,037,557.55	27.43	24.94	



BENCHMARK NOTE:

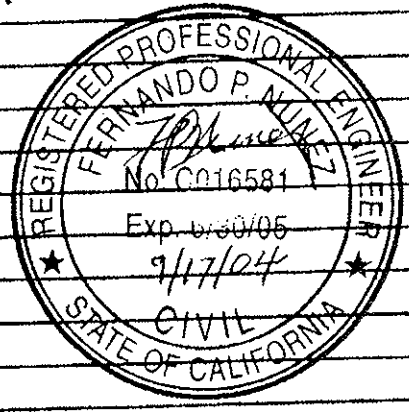
DESIGNATION	DESCRIPTION	NAVD 88 HEIGHT (FT.)
1G-151-74	A 3-3/4"Ø OCS ALUMINUM BENCHMARK DISK STAMPED "1G-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST. 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. & 81.30 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.	5.609

SURVEY SHEET

PROJECT NAME : ASCON SITE (MAGNOLIA/HAMILTON)
 CONTRACTOR : JEFF ZUKEN C/O LAURA MORALES (GEOSYNTEC)
 IMPROVEMENT: WELL LOCATIONS
 CHECKED BY : SWA/FPN DATE: 9-17-04

NUNEZ ENGINEERING
 6509 PAINTER AVENUE
 WHITTIER, CA. 90601
 PHONE (562) 945-8945
 FAX (562) 945-1705
 nunez.eng@verizon.net

Well Num.	COORDINATES		TOP OF CASING ELEV. FT.	GROUND ELEV. FT.	DESCRIPTION
	NORTHING	EASTING			
GP-10	2,183,442.55	6,037,659.16	18.12	15.52	
GP-12	2,183,706.72	6,037,686.52	19.15	16.65	
GP-15	2,183,806.04	6,037,671.38	20.78	17.88	
GP-24	2,184,278.90	6,037,345.00	29.95	27.28	



Post-it® Fax Note	7671	Date	9-17-04	# of pages	▶ 1
To	JEFF ZUKEN				
From	Fernando				
Co./Dept.	Geosyntec		Co.	NUNEZ ENG	
Phone #	562 945-8915				
Fax #	805 899-8689		Fax #	562 945-1705	

BENCHMARK NOTE:

DESIGNATION	DESCRIPTION	NAVD 88 HEIGHT (FT.)
1G-151-74	A 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1G-151-74" MON. IS LOCATED IN THE N.W. COR. OF HAMILTON AVE. & MAGNOLIA ST. 57 FT. WESTERLY OF THE CENTERLINE OF MAGNOLIA ST. & 81.30 FT. NORTHERLY OF THE CENTERLINE OF HAMILTON AVE., 1 FT EASTERLY OF THE SIDEWALK. MON. IS DOWN 0.5 FT. BELOW SIDEWALK SURFACE.	5.609