

AM/PAC

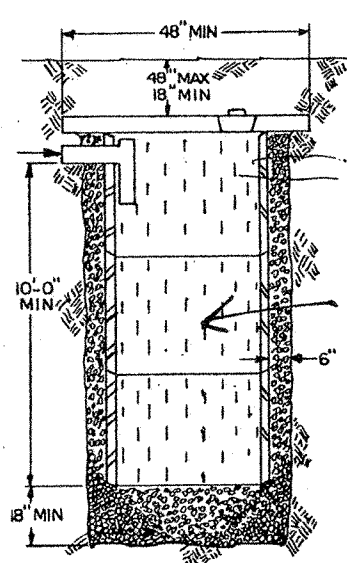
1-800-564-7372
(909) 780-0150
FAX 780-8291

SEEPAGE PIT SYSTEM

ADVANTAGES OF THE SEEPAGE PIT DISPOSAL SYSTEM INCLUDE THE FOLLOWING:

- MINIMUM AMOUNT OF AREA IS REQUIRED.
- LARGE CONTACT AREA WITH SOIL.
- AGGREGATE PROVIDES ADDED TREATMENT SURFACE AND PROTECTION OF SOIL.

THE MAJOR LIMITATION OF THIS TYPE OF DISPOSAL SYSTEM IS ITS INABILITY TO BE USED IN HIGH GROUND WATER AREAS. RIVERSIDE COUNTY REQUIRES 100% EXPANSION AREA.



AM/PAC AND ASSOCIATES
P.O. Box 545 - Norco, CA 92860

SEEPAGE PIT DETAIL

AM/PAC AND ASSOCIATES PROJECT #02-7013 DATE: AUGUST 29, 2002

PROJECT NUMBER: 02-7013 DATE: AUGUST 29, 2002

CLIENT REQUESTING REPORT:

CHILDHELP USA (909) 845-3155
THE VILLAGE OF CHILDHELP WEST
14700 MANZANITA PARK ROAD BEAUMONT, CALIFORNIA 92223

ATT: MR. FRED SIBOLE, FACILITIES MANAGER

JOB SITE LOCATION:

CHILDHELP VILLAGE WEST, BEAUMONT, CALIFORNIA
14700 MANZANITA PARK ROAD BEAUMONT, CA 92223
APN: 421-110-015 AND 421-120-003

PROPOSED DEVELOPMENT:

AN EXISTING BOARD AND CARE SCHOOL FACILITY, THE SYSTEM AND AREA INVOLVED AND ADDRESSED IN THIS REPORT ARE THE 'COTTAGES' BOARDING BUILDINGS. THESE FACILITIES ARE EXISTING AND HAVE BEEN SERVED BY BOTH LEACH FIELD AND SEEPAGE PIT SSDS. THE EXISTING SEEPAGE PIT SYSTEM HAS BEEN FAILING FOR THE PAST SEVERAL YEARS. FAILURE HAS BEEN AGGRAVATED BY SEEPAGE PIT MOUNDING AND POOR SEPTIC TANK MAINTENANCE AND CARE. THIS REPORT ADDRESSES A REPLACEMENT SYSTEM FOR THE COTTAGES AREA ONLY.

TEST DATA:

A LEACH FIELD PERCOLATION TEST WAS PERFORMED ON THIS PROJECT WITH THE FOLLOWING RESULTS:

30:00 MINUTES PER INCH, PERCOLATION RATE.
65 SQ. FT. OF BOTTOM AREA REQUIRED PER 100 GALLONS OF SEPTIC TANK CAPACITY

A SEEPAGE PIT PERCOLATION TEST HAS BEEN PERFORMED ON THIS PROJECT WITH THE FOLLOWING RESULTS:

PIT 'A' 2.02 GALLONS PER SQ. FT. OF SIDEWALL PER DAY
PIT 'B' 2.35 GALLONS PER SQ. FT. OF SIDEWALL PER DAY

THE DESIGN AND SIZE OF THIS SYSTEM IS BASED ON AN ASSIGNED 'Q' BY AM/PAC

'Q' = 2.0 GALLONS PER SQ. FT. OF SIDEWALL PER DAY

ESTIMATED WASTE FLOW CALCULATIONS

MR. SIBOLE ADVISED THAT EACH OF THE COTTAGE BUILDINGS HOUSE 20 STUDENTS. THERE ARE FIVE COTTAGE BUILDINGS. THE EXISTING SEPTIC TANK CAPACITY IS 13,500 GALLONS.

THREE 1500 GALLON SEPTIC TANKS, TWO 4500 GALLON BATTERY TANKS = 13,500 GAL

2.0 X 18.8 = 37.60, 13500 / 37.60 = 359.05 VERTICAL FEET OF LEACHING SIDEWALL REQUIRED, IN SIX FOOT DIAMETER PITS. THIS SYSTEM IS DESIGNED BASED ON THE CAPACITY OF THE EXISTING TANKS.

INSTALL FIFTEEN PITS, 6' DIAMETER BY 25 FEET IN DEPTH AS MEASURED BELOW THE INLET. PRE-CAST SEEPAGE PIT LINERS ARE TO BE USED IN LIEU OF CONCRETE MASONRY BLOCKS.

CONSTRUCTION REQUIREMENTS AND RECOMMENDATIONS:

IF ANY PART OF THIS SYSTEM WILL BE INSTALLED IN ANY PAVED AREA OR A PAVED OR UN-PAVED PARKING LOT AREA OF THE FACILITY, TRAFFIC RATED SEEPAGE PIT LIDS MUST BE USED. PROPER MAN HOLE COVERS AND CAST IRON RINGS MUST BE USED FOR ACCESS.

THE RIVERSIDE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH HAS THE FINAL APPROVAL OF THE SIZE AND DESIGN OF THIS SYSTEM. UPON REVIEW, THE SIZE MAY BE REQUIRED TO BE MODIFIED TO MEET HEALTH'S REQUIREMENTS.

ALL EXISTING SEPTIC TANKS MUST BE INSPECTED BY A C-42 LICENSED PLUMBER. THIS INSPECTION MUST CERTIFY AND ADDRESS THE FOLLOWING POINTS:

- SUITABILITY OF THE TANK FOR CONTINUED USE.
- VERIFY THE EXISTENCE AND SUITABILITY OF THE REQUIRED TEE AT THE INLET AND OUTLET OF THE TANK.
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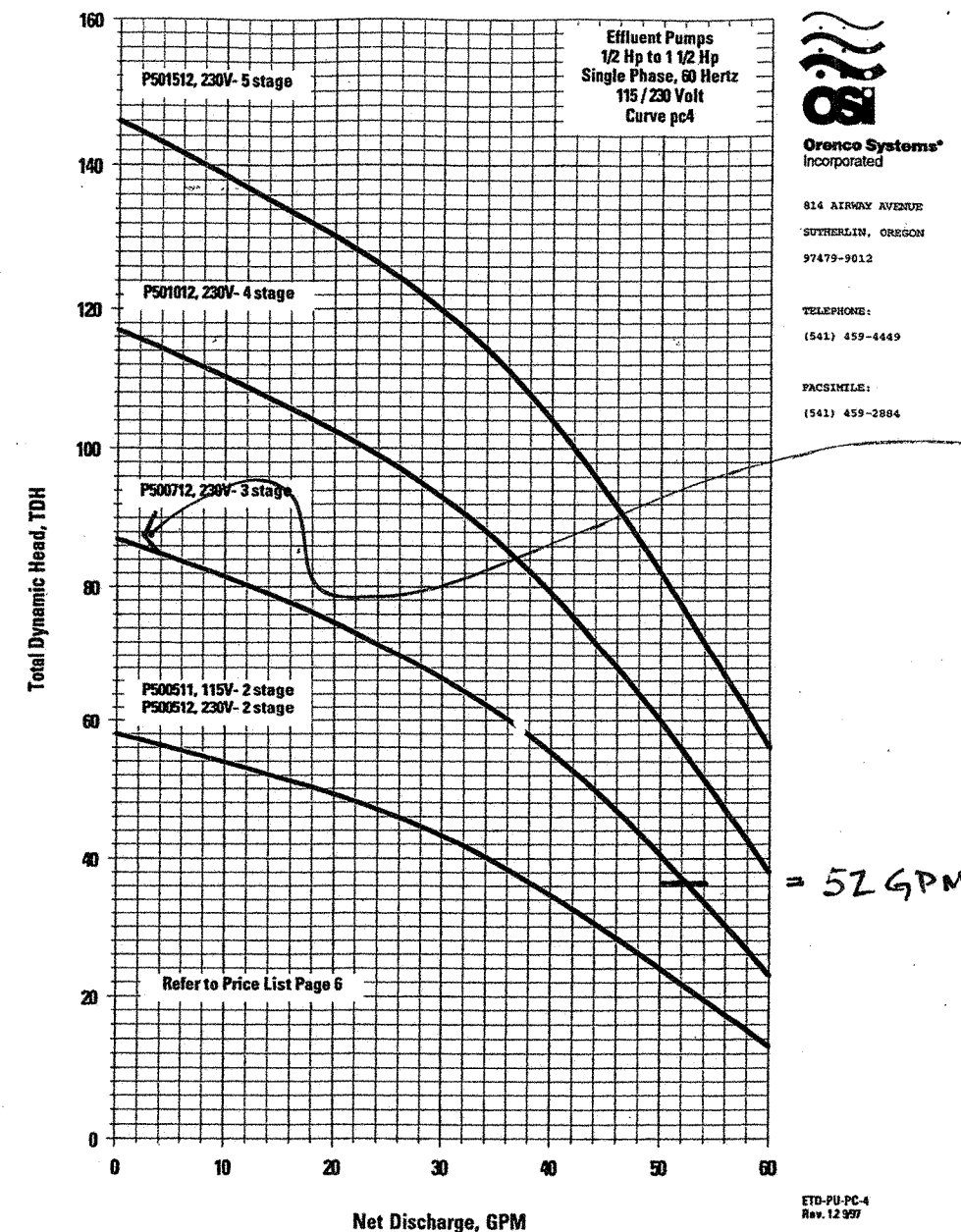
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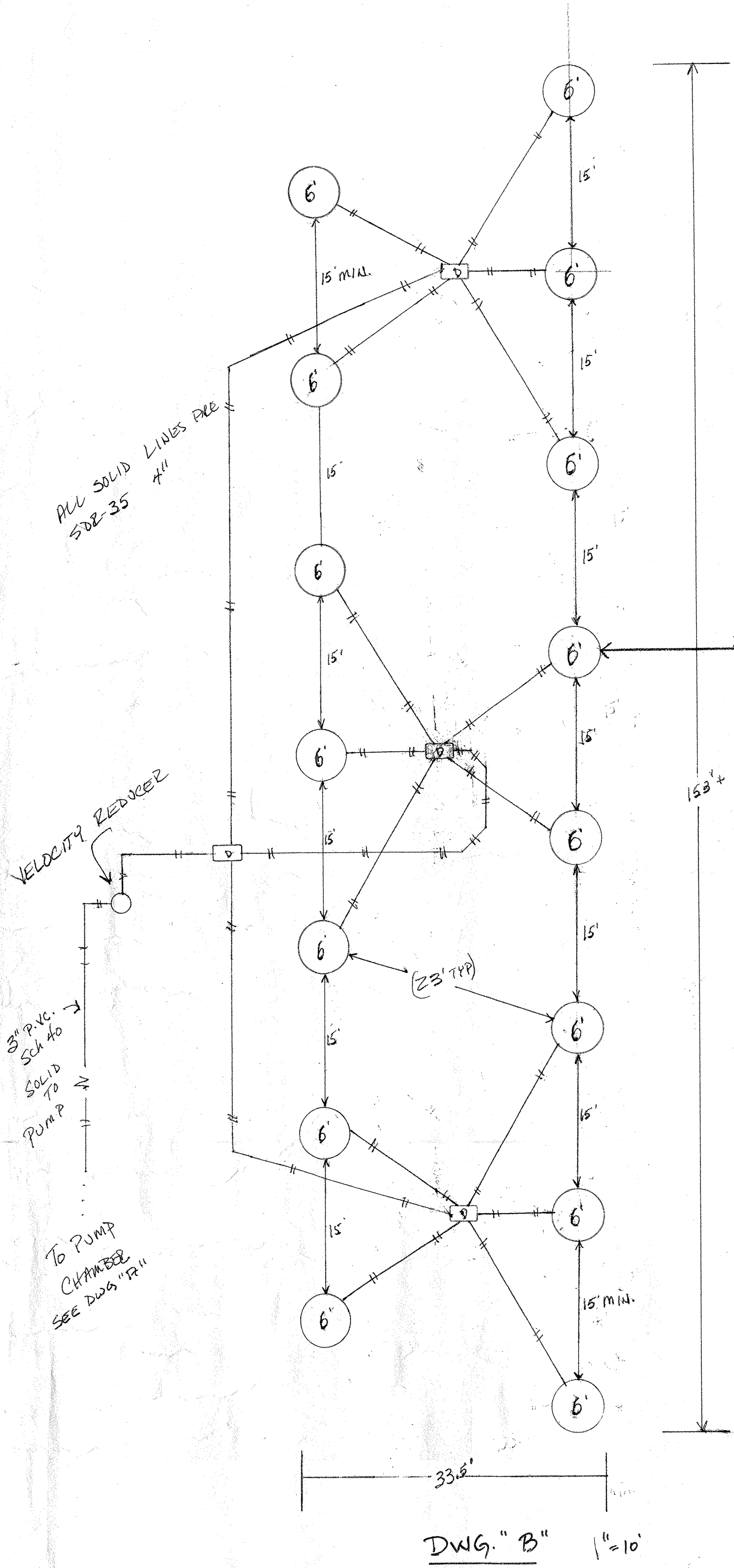
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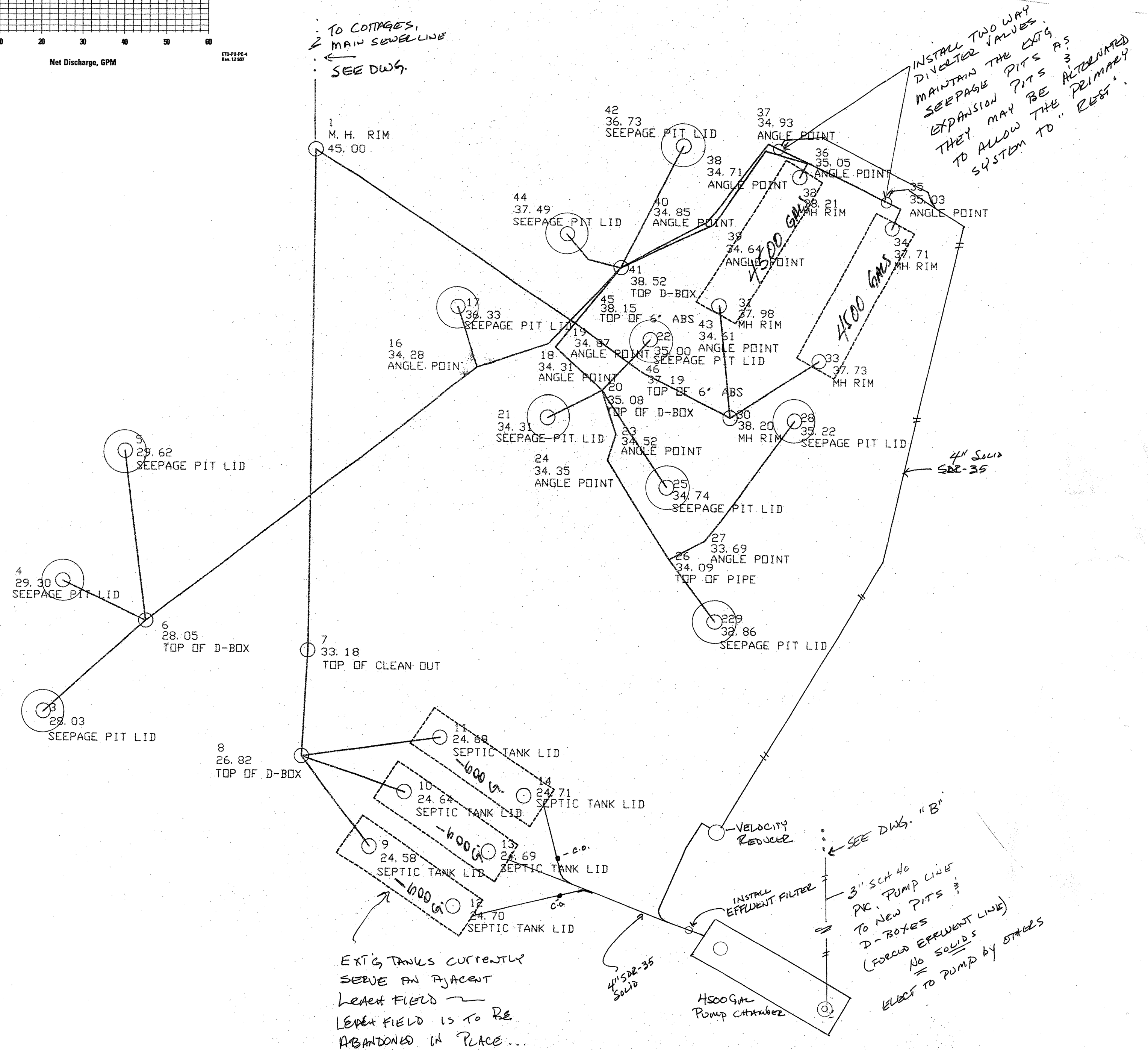
AM/PAC AND ASSOCIATES, INC. PERSONNEL MUST INSPECT THE EXCAVATED PIT TO VERIFY THAT THE EXCAVATED SOILS ARE THE SAME OR SIMILAR TO THE SOILS TESTED.



RECOMMENDED PUMP SIZE
P500712, 230V, 3 STAGE
TDH = 37.3' = 52 GPM.



Proposed SEEPAGE PIT BATTERY



HIGHLIGHT = Proposed Const.

DWG. 'A' 1\"/>

EXIST'G SYSTEM FOR COTTAGES

CHILDHELP USA ~ BEAUMONT CAMPUS

AM/PAC & ASSOCIATES, INC. (909) 780-0150
P.O. Box 545 NORCO, CA 92860

APPROVED BY L.W.W.	"THE COTTAGES" SSDS	
DATE 8-16-02	DRAWN BY DEB	DRAWING NUMBER
SCALE 1\"/>		

AM/PAC

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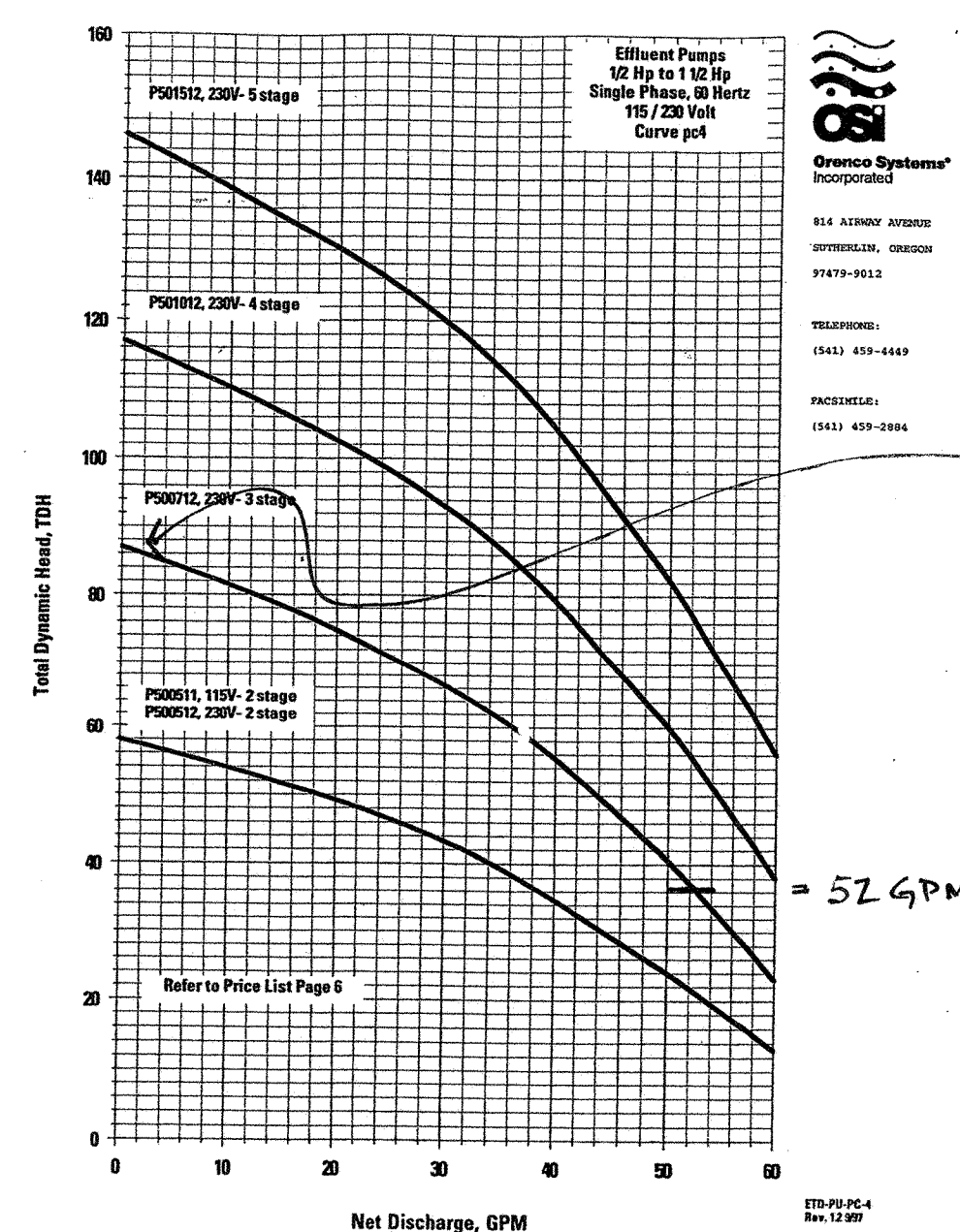
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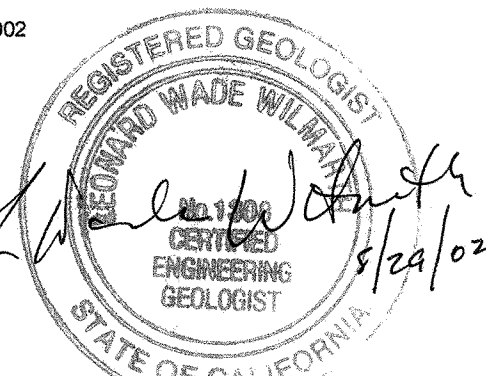


RECOMMENDED PUMP SIZE
P50012, 230V, 3 STAGE
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SEEPAGE PIT DETAIL

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14700 MANZANITA PARK ROAD BEAUMONT, CALIFORNIA 92223
ATT: MR. FRED SIBOLE, FACILITIES MANAGER
JOB SITE LOCATION:
CHILDHELP VILLAGE WEST, BEAUMONT, CALIFORNIA
14700 MANZANITA PARK ROAD BEAUMONT, CA 92223
APN: 421-1-10-015 AND 421-120-003



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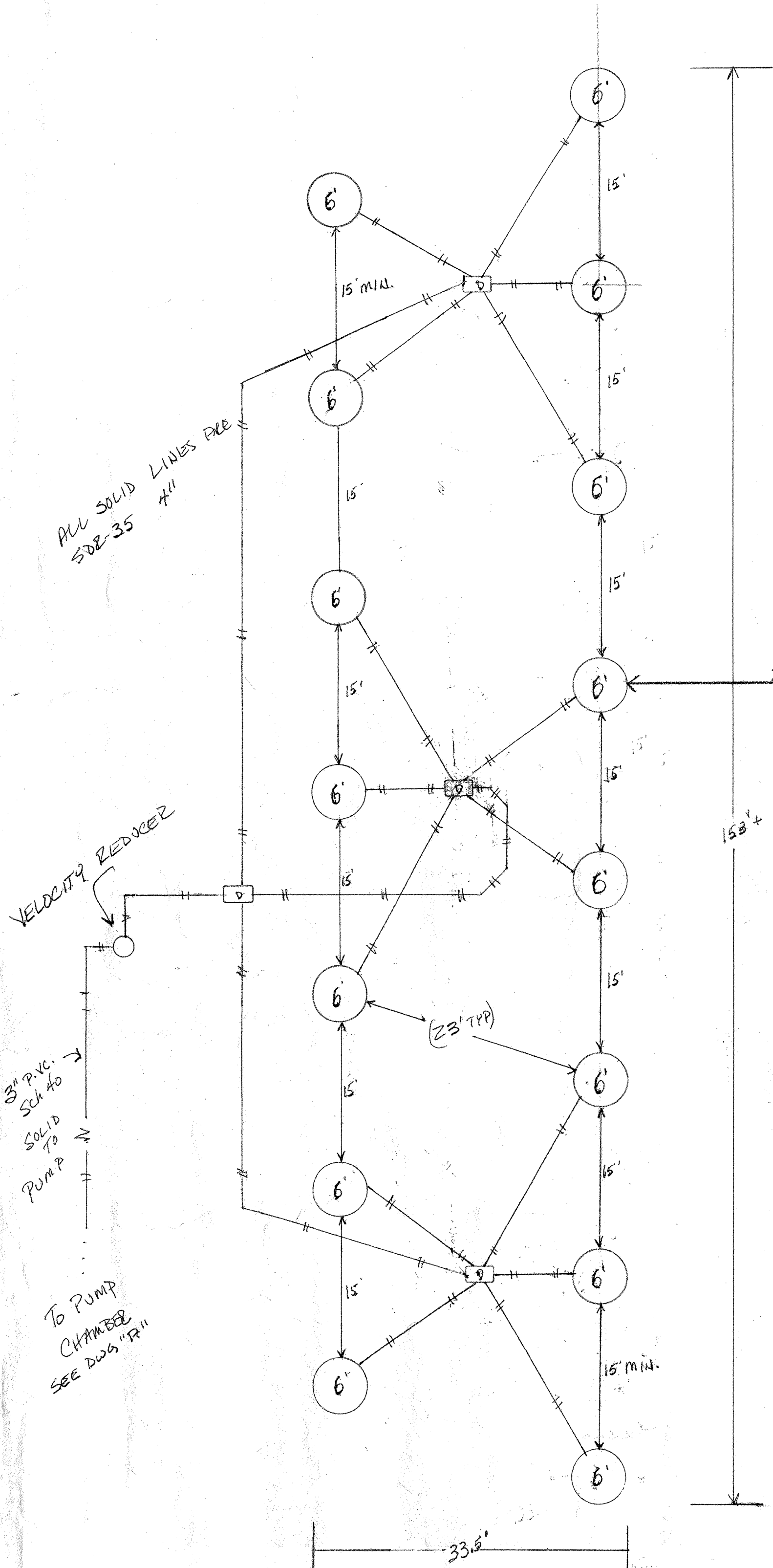
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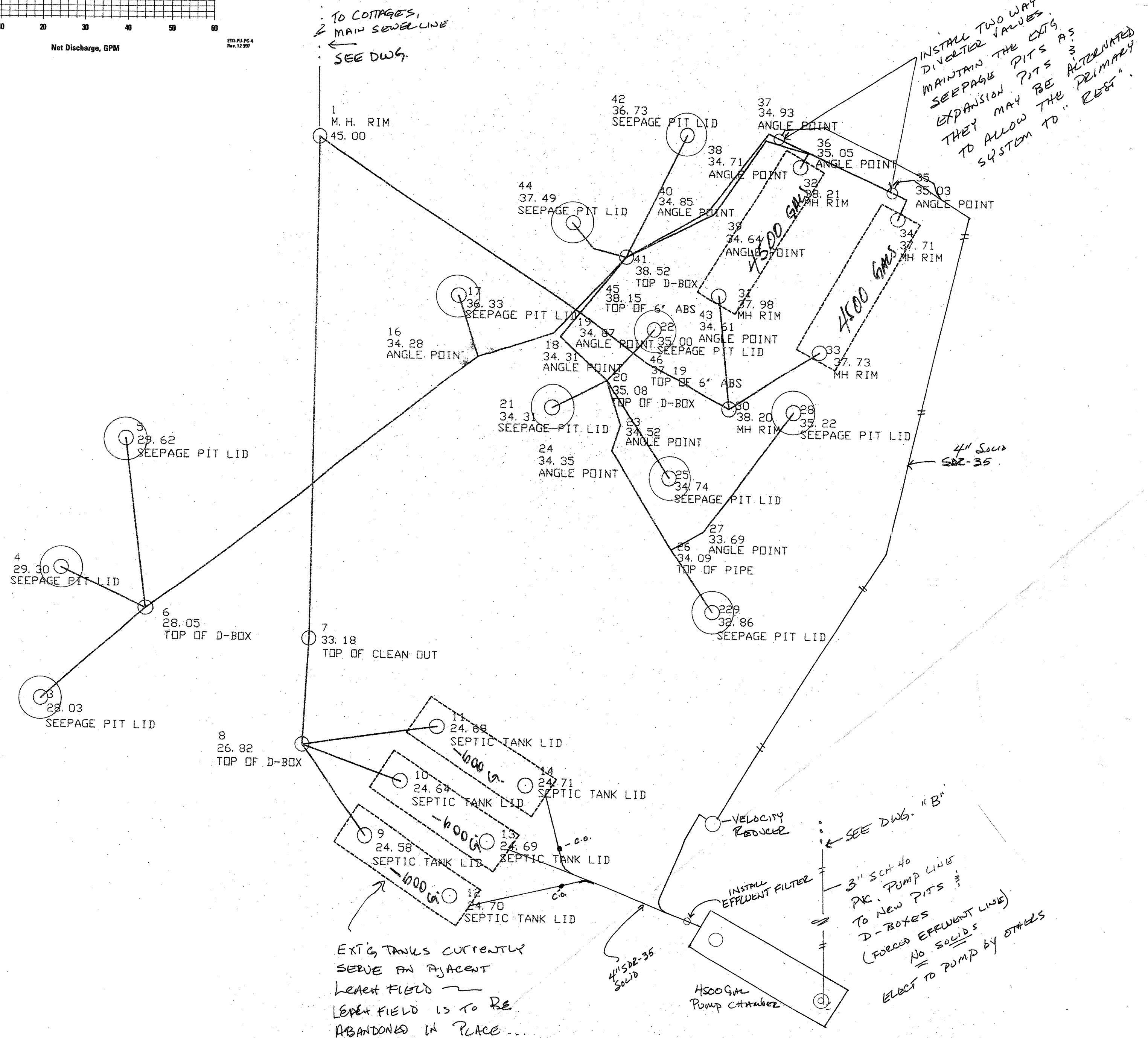
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DWG. "B" 1"=10'

Proposed SEEPAGE PIT BATTERY



EXT'G TANKS CURRENTLY SERVE AN ADJACENT LEACH FIELD - LEACH FIELD IS TO BE ABANDONED IN PLACE...

HIGHLIGHT = Proposed Const.

DWG. "A" 1"=10'

EXT'G SYSTEM FOR COTTAGES

CHILDHELP USA ~ BEAUMONT CAMPUS		
AM/PAC & ASSOCIATES, INC. (909) 780-0150 P.O. Box 545 Norco, CA 92860		
APPROVED BY L.W.W.	"THE COTTAGES" SSDS	
DATE 8-16-02	DRAWN BY DEB	DRAWING NUMBER
SCALE 1"=10'		

AMENDMENTS		SCALE:
DATE	DESCRIPTION	
1/94	1 REVISED NEW BUILDING LOCATION	
2/94	2 ADDED LAUNDRY BUILDING "M"	
2/94	3 REVISED UBC OCCUPANCY CLASSIFICATION	
5/97	5C SUBSTANTIAL CONFORMANCE NO. 1 - PHASE	
	CONSTRUCTION OF BUILDING L AND SHIFTED	
	PARKING AREAS AROUND BUILDING L	

OWNER/APPLICANT:
CHILDHELP USA
14700 MANZANITA PARK ROAD
P.O. BOX 406
BEAUMONT, CALIFORNIA 92223
(909) 845-3155

ASSESSOR'S PARCEL NUMBERS:
421-110-015
421-120-003

LEGAL DESCRIPTION:
BEING A PORTION OF THE WEST ONE-HALF OF THE NORTHEAST ONE-QUARTER, LOTS 6 AND 7
AND A PORTION OF LOTS 5 AND 8, OF SECTION 15, T3 S., R1 W., S.B.B. & M.

ACREAGE:
113.8 ACRES GROSS

ZONING & LAND USE:
EXISTING ZONING: W-2
PROPOSED ZONING: W-2
EXISTING LAND USE: GROUP HOME FACILITY FOR CHILDREN
PROPOSED LAND USE: GROUP HOME FACILITY FOR CHILDREN

UTILITIES:
GAS: SOUTHERN CALIFORNIA GAS COMPANY
WATER: PRIVATE WELL
SEWER: SEPTIC TANKS
ELECTRIC: SOUTHERN CALIFORNIA EDISON COMPANY
TELEPHONE: GENERAL TELEPHONE COMPANY

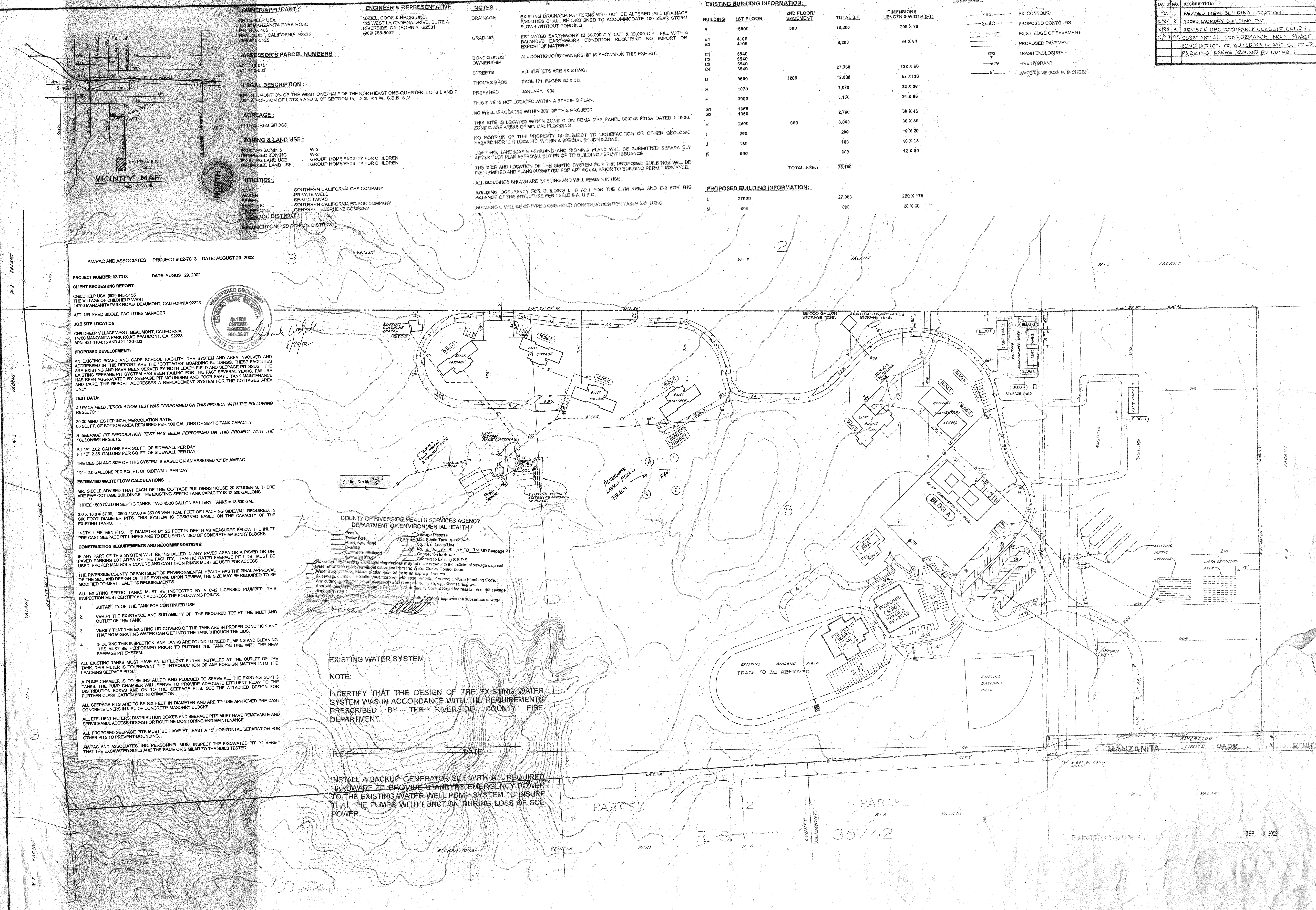
SCHOOL DISTRICT:
BEAUMONT UNIFIED SCHOOL DISTRICT

NOTES:
DRAINAGE: EXISTING DRAINAGE PATTERNS WILL NOT BE ALTERED. ALL DRAINAGE FACILITIES SHALL BE DESIGNED TO ACCOMMODATE 100 YEAR STORM FLOWS WITHOUT PONDING.
GRADING: ESTIMATED EARTHWORK IS 30,000 C.Y. CUT & 30,000 C.Y. FILL WITH A BALANCED EARTHWORK CONDITION REQUIRING NO IMPORT OR EXPORT OF MATERIAL.
CONTIGUOUS OWNERSHIP: ALL CONTIGUOUS OWNERSHIP IS SHOWN ON THIS EXHIBIT.
STREETS: ALL STR'ETS ARE EXISTING.
THOMAS BROS: PAGE 171, PAGES 2C & 3C.
PREPARED: JANUARY, 1994
THIS SITE IS NOT LOCATED WITHIN A SPECIFIC C PLAN.
NO WELL IS LOCATED WITHIN 200' OF THIS PROJECT.
THIS SITE IS LOCATED WITHIN ZONE C ON FEMA MAP PANEL 060245 8015A DATED 4-15-80. ZONE C ARE AREAS OF MINIMAL FLOODING.
NO PORTION OF THIS PROPERTY IS SUBJECT TO LIQUEFACTION OR OTHER GEOLOGIC HAZARD NOR IS IT LOCATED WITHIN A SPECIAL STUDIES ZONE.
LIGHTING, LANDSCAPING & SIGNING PLANS WILL BE SUBMITTED SEPARATELY AFTER PLOT PLAN APPROVAL BUT PRIOR TO BUILDING PERMIT ISSUANCE.
THE SIZE AND LOCATION OF THE SEPTIC SYSTEM FOR THE PROPOSED BUILDINGS WILL BE DETERMINED AND PLANS SUBMITTED FOR APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.
ALL BUILDINGS SHOWN ARE EXISTING AND WILL REMAIN IN USE.
BUILDING OCCUPANCY FOR BUILDING L IS A2.1 FOR THE GYM AREA AND E-2 FOR THE BALANCE OF THE STRUCTURE PER TABLE 5-A, U.B.C.
BUILDING L WILL BE OF TYPE 3 ONE-HOUR CONSTRUCTION PER TABLE 5-C, U.B.C.

EXISTING BUILDING INFORMATION:			
BUILDING	1ST FLOOR	2ND FLOOR/ BASEMENT	TOTAL S.F.
A	15800	500	16,300
B1	4100		
B2	4100		
C1	6940		
C2	6940		
C3	6940		
C4	6940		
D	9600	3200	12,800
E	1070		1,070
F	3000		3,150
G1	1350		2,700
G2	1350		2,700
H	2400	600	3,000
I	200		200
J	180		180
K	600		600
TOTAL AREA			75,180

LEGEND:	
2700	EX. CONTOUR
2640	PROPOSED CONTOURS
---	EXIST. EDGE OF PAVEMENT
---	PROPOSED PAVEMENT
---	TRASH ENCLOSURE
---	FIRE HYDRANT
---	WATER LINE (SIZE IN INCHES)

PROPOSED BUILDING INFORMATION:		
L	27000	27,000
M	600	600



AMPAC AND ASSOCIATES PROJECT #02-7013 DATE: AUGUST 29, 2002

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COUNTY OF RIVERSIDE HEALTH SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Food
Trailer Park
Hotel, Apt., Hotel
Dwelling
Commercial Building
Swimming Pool
No on-site incinerating, waste burning devices may be discharged into the individual sewage disposal system without approval from the Water Quality Control Board.
All sewage disposal installation must conform with requirements of current Uniform Plumbing Code.
Any cutting, grading, or other work that will disturb the sewage disposal system must be approved by the Regional Water Quality Control Board for installation of the sewage disposal system.
This is a preliminary plan. The County Engineer and the Health Services Agency approves the subsurface sewage disposal system.

DATE: 9-10-02

EXISTING WATER SYSTEM

NOTE:

I CERTIFY THAT THE DESIGN OF THE EXISTING WATER SYSTEM WAS IN ACCORDANCE WITH THE REQUIREMENTS PRESCRIBED BY THE RIVERSIDE COUNTY FIRE DEPARTMENT.

R.C.E. DATE

INSTALL A BACKUP GENERATOR SET WITH ALL REQUIRED HARDWARE TO PROVIDE STANDBY EMERGENCY POWER TO THE EXISTING WATER WELL PUMP SYSTEM TO INSURE THAT THE PUMPS WITH FUNCTION DURING LOSS OF SCE POWER.

OWNER/APPLICANT:

CHILDHELP USA
14700 MANZANITA PARK ROAD
P.O. BOX 468
BEAUMONT, CALIFORNIA 92223
(951) 845-3155
451

ASSESSOR'S PARCEL NUMBERS:

421-110-015
421-120-003

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ACREAGE:

119.6 ACRES GROSS

ZONING & LAND USE:

EXISTING ZONING W-2
PROPOSED ZONING W-2
EXISTING LAND USE GROUP HOME FACILITY FOR CHILDREN
PROPOSED LAND USE GROUP HOME FACILITY FOR CHILDREN

UTILITIES:

GAS SOUTHERN CALIFORNIA GAS COMPANY
WATER PRIVATE WELL
SEWER SEPTIC TANKS
ELECTRIC SOUTHERN CALIFORNIA EDISON COMPANY
TELEPHONE CENTRAL TELEPHONE COMPANY
SCHOOL DISTRICT BEAUMONT UNIFIED SCHOOL DISTRICT

ENGINEER & REPRESENTATIVE:

GABEL, COOK & BECKLUND
125 WEST LA CADENA DRIVE, SUITE A
RIVERSIDE, CALIFORNIA 92501
(951) 788-8092
451

NOTES:

DRAINAGE: EXISTING DRAINAGE PATTERNS WILL NOT BE ALTERED. ALL DRAINAGE FACILITIES SHALL BE DESIGNED TO ACCOMMODATE 100 YEAR STORM FLOWS WITHOUT PONDING.

GRADING: ESTIMATED EARTHWORK IS 30,000 C.Y. CUT & 30,000 C.Y. FILL WITH A BALANCED EARTHWORK CONDITION. REQUIRING NO IMPORT OR EXPORT OF MATERIAL.

CONTIGUOUS OWNERSHIP: ALL CONTIGUOUS OWNERSHIP IS SHOWN ON THIS EXHIBIT.

STREETS: ALL STREETS ARE EXISTING.

THOMAS BROS: PAGE 171, PAGES 2C & 3C.

PREPARED: JANUARY, 1994

THIS SITE IS NOT LOCATED WITHIN A SPECIFIC PLAN.

NO WELL IS LOCATED WITHIN 200' OF THIS PROJECT.

THIS SITE IS LOCATED WITHIN ZONE C ON FEMA MAP PANEL 060245 8015A DATED 4-15-80. ZONE C ARE AREAS OF MINIMAL FLOODING.

NO PORTION OF THIS PROPERTY IS SUBJECT TO LIQUEFACTION OR OTHER GEOLOGIC HAZARD NOR IS IT LOCATED WITHIN A SPECIAL STUDIES ZONE.

LIGHTING, LANDSCAPING, SHADING AND SIGNING PLANS WILL BE SUBMITTED SEPARATELY AFTER PLOT PLAN APPROVAL BUT PRIOR TO BUILDING PERMIT ISSUANCE.

THE SIZE AND LOCATION OF THE SEPTIC SYSTEM FOR THE PROPOSED BUILDINGS WILL BE DETERMINED AND PLANS SUBMITTED FOR APPROVAL PRIOR TO BUILDING PERMIT ISSUANCE.

ALL BUILDINGS SHOWN ARE EXISTING AND WILL REMAIN IN USE.

BUILDING OCCUPANCY FOR BUILDING L IS A2.1 FOR THE GYM AREA AND E-2 FOR THE BALANCE OF THE STRUCTURE PER TABLE 5-A, U.B.C.

BUILDING L WILL BE OF TYPE 3 ONE-HOUR CONSTRUCTION PER TABLE 5-C, U.B.C.

EXISTING BUILDING INFORMATION:

BUILDING	1ST FLOOR	2ND FLOOR/ BASEMENT	TOTAL S.F.	DIMENSIONS LENGTH X WIDTH (FT)
A	15800	500	16,300	209 X 76
B1	4100			
B2	4100		8,200	64 X 64
C1	6940			
C2	6940			
C3	6940		27,760	132 X 60
C4	6940			
D	9600	3200	12,800	58 X 133
E	1070		1,070	32 X 30
F	3000		3,150	34 X 88
G1	1350			
G2	1350		2,700	30 X 46
H	2400	600	3,000	30 X 88
I	200		200	10 X 20
J	180		180	10 X 18
K	600		600	12 X 50
L Phase 1	27,000		27,000	220 X 175
L Phase 2	960		960	40 X 24
M	600		600	20 X 30
TOTAL AREA			76,480	
			99,180	

PROPOSED BUILDING INFORMATION:

L Phase 2	960	40 X 24
M	600	20 X 30

LEGEND:

2700 EX. CONTOUR
2640 PROPOSED CONTOURS
EXIST. EDGE OF PAVEMENT
PROPOSED PAVEMENT
TRASH ENCLOSURE
FIRE HYDRANT
WATER LINE (SIZE IN INCHES)

AMENDMENTS

DATE	NO.	DESCRIPTION
1/94	1	REVISED NEW BUILDING LOCATION
2/94	2	ADDED LAUNDRY BUILDING "M"
2/94	3	REVISED UIC OCCUPANCY CLASSIFICATION
5/97	SC	SUBSTANTIAL CONFORMANCE NO. 1 - PHASE
		CONSTRUCTION OF BUILDING L AND SHIFTER
6/04	4	REVISED BLDG. L - PHASE 2

SCALE: 1" = 100'

EXISTING WATER SYSTEM

NOTE:

I CERTIFY THAT THE DESIGN OF THE EXISTING WATER SYSTEM WAS IN ACCORDANCE WITH THE REQUIREMENTS PRESCRIBED BY THE RIVERSIDE COUNTY FIRE DEPARTMENT.

R.P.E. 20323
DATE: 10/10/2006

INSTALL A BACKUP GENERATOR SET WITH ALL REQUIRED HARDWARE TO PROVIDE STANDBY EMERGENCY POWER TO THE EXISTING WATER WELL PUMP SYSTEM TO INSURE THAT THE PUMPS WITH FUNCTION DURING LOSS OF SCE POWER.

EXISTING WATER SYSTEM

AMENDED NO. 3

IN THE UNINCORPORATED TERRITORY OF RIVERSIDE COUNTY, CALIFORNIA
PLOT PLAN FOR

PUBLIC USE PERMIT 453
REVISED PERMIT # 87

GABEL, COOK & BECKLUND
125 WEST LA CADENA DRIVE, SUITE A
RIVERSIDE, CALIFORNIA 92501
(951) 788-8092
451

SCALE: 1" = 100' DATE: AUGUST, 1997 FOR: CHILDHELP USA W.O. 91 - 1333