



MANDELL ENVIRONMENTAL CONSULTING

409 MINNISINK ROAD • SUITE 102 • TOTOWA, NJ 07512 • (973) 785-7574 • FAX (973) 785-0561

Limited Water Sampling Report

Project Name: The Leaguers Head Start

Project Location: 731 Clinton Avenue, Newark, NJ

Date of Sampling: November 17, 2023

Limited water sampling was performed by Mandell Environmental Consulting at The Leaguers Head Start, 731 Clinton Avenue, Newark, NJ. Water samples were collected from the water cooler and kitchen used by the child care center. Samples were also collected from 50% of the other indoor water faucets utilized by the child care. The samples were collected prior to water being used in the building for a minimum of 8 hours and not longer than 48 hours. The samples were collected in 250 milliliter (ml) containers accordance with New Jersey Regulations.

The samples collected were submitted for analysis to Pace Analytical, 575 Broad Hollow Road, Melville, NY 11747, certification # NY158. Samples were analyzed by Graphite Furnace AA, EPA 200.9. The following table contains the results of the sampling. The maximum contaminant level (MCL) for lead in drinking water is 15 ug/L and copper 1,300 ug/L. (Laboratory Results and sampling forms Attached).

Sample Date 11/17/2023

Sample Number	Source	Results Lead	Results Copper	Units	Pos/Neg
731-1	Water Cooler 1	<1.0	<2.0	Ug/L	Neg.
731-2	Outlet 2	2.1	88.8	ug/L	Neg.
731-3	Outlet 3	1.6	102	ug/L	Neg.
731-4	Outlet 4	<1.0	60.8	ug/L	Neg.
731-5	Outlet 7	1.9	50.7	ug/L	Neg.
731-6	Outlet 10	<1.0	85.0	ug/L	Neg.
731-7	Outlet 11	<1.0	87.8	ug/L	Neg.
731-8	Portable Sink 1	1.0	58.3	ug/L	Neg.

The laboratory results show that none of the samples were found to exceed the lead in drinking water action level of 15 ug/L and copper 1,300 ug/L. Sampling forms and diagram are attached.

Sampling Performed by: Darren Slack
NJ Lead Inspector/Risk Assessor
Mandell Environmental Consulting
409 Minnisink Road, Suite 102
Totowa, NJ 07512

Signed: Darren Slack Date: 12-6-2023



Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

November 28, 2023

Stuart Casciano
Mandell Environmental Consulting
409 Minnisink Road
Suite 102
Totowa, NJ 07512

RE: Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

Dear Stuart Casciano:

Enclosed are the analytical results for sample(s) received by the laboratory on November 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Kimberley Mack".

Kimberley M. Mack
kimberley.mack@pacelabs.com
516-370-6052
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

Sample: 731-1 WATER COOLER 1		Lab ID: 70278344001	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	<2.0	ug/L	2.0	1		11/27/23 16:00	7440-50-8	
Lead	<1.0	ug/L	1.0	1		11/27/23 16:00	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

Sample: 731-2 OUTLET 2		Lab ID: 70278344002	Collected: 11/17/23 11:30		Received: 11/20/23 15:30		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	88.8	ug/L	2.0	1		11/27/23 16:01	7440-50-8	
Lead	2.1	ug/L	1.0	1		11/27/23 16:01	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-3 OUTLET 3		Lab ID: 70278344003	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	102	ug/L	2.0	1		11/27/23 16:03	7440-50-8	
Lead	1.6	ug/L	1.0	1		11/27/23 16:03	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-4 OUTLET 4		Lab ID: 70278344004	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	60.8	ug/L	2.0	1		11/27/23 16:04	7440-50-8	
Lead	<1.0	ug/L	1.0	1		11/27/23 16:04	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-5 OUTLET 7		Lab ID: 70278344005	Collected: 11/17/23 11:30		Received: 11/20/23 15:30		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	50.7	ug/L	2.0	1		11/27/23 16:06	7440-50-8	
Lead	1.9	ug/L	1.0	1		11/27/23 16:06	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-6 OUTLET 10		Lab ID: 70278344006	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	85.0	ug/L	2.0	1		11/27/23 16:07	7440-50-8	
Lead	<1.0	ug/L	1.0	1		11/27/23 16:07	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-7 OUTLET 11		Lab ID: 70278344007	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	87.8	ug/L	2.0	1		11/27/23 16:12	7440-50-8	
Lead	<1.0	ug/L	1.0	1		11/27/23 16:12	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Sample: 731-8 PORTABLE SINK 1		Lab ID: 70278344008	Collected: 11/17/23 11:30	Received: 11/20/23 15:30	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	58.3	ug/L	2.0	1		11/27/23 16:14	7440-50-8	
Lead	1.0	ug/L	1.0	1		11/27/23 16:14	7439-92-1	

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QUALITY CONTROL DATA

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

QC Batch: 328783 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70278344001, 70278344002, 70278344003, 70278344004, 70278344005, 70278344006, 70278344007, 70278344008

METHOD BLANK: 1682416 Matrix: Water
Associated Lab Samples: 70278344001, 70278344002, 70278344003, 70278344004, 70278344005, 70278344006, 70278344007, 70278344008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<2.0	2.0	11/27/23 15:39	
Lead	ug/L	<1.0	1.0	11/27/23 15:39	

LABORATORY CONTROL SAMPLE: 1682417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	47.0	94	85-115	
Lead	ug/L	50	48.7	97	85-115	

MATRIX SPIKE SAMPLE: 1682419

Parameter	Units	70278342002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	214	50	258	87	70-130	
Lead	ug/L	<1.0	50	48.7	97	70-130	

MATRIX SPIKE SAMPLE: 1682421

Parameter	Units	70278342003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	207	50	244	74	70-130	
Lead	ug/L	<1.0	50	49.3	97	70-130	

SAMPLE DUPLICATE: 1682418

Parameter	Units	70278342002 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	214	213	0	
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1682420

Parameter	Units	70278342003 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	207	209	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

SAMPLE DUPLICATE: 1682420

Parameter	Units	70278342003 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: THE LEAGUERS HEAD START 11/17
Pace Project No.: 70278344

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: THE LEAGUERS HEAD START 11/17

Pace Project No.: 70278344

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70278344001	731-1 WATER COOLER 1	EPA 200.8	328783		
70278344002	731-2 OUTLET 2	EPA 200.8	328783		
70278344003	731-3 OUTLET 3	EPA 200.8	328783		
70278344004	731-4 OUTLET 4	EPA 200.8	328783		
70278344005	731-5 OUTLET 7	EPA 200.8	328783		
70278344006	731-6 OUTLET 10	EPA 200.8	328783		
70278344007	731-7 OUTLET 11	EPA 200.8	328783		
70278344008	731-8 PORTABLE SINK 1	EPA 200.8	328783		

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1. The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document.

70278344

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]

Multiday Project

Client:

$$u = 1$$

COC Page 1

Work ID: 44 players Head Start 11/17

Center Cages

IDC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO ₃ plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL uneres amber glass

Can also be a BPEN

SDC	
VGST	40mL Na Thio amber vial
DGSA	40mL Acetic acid maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG8T	Na Thiosulfate 60mL vial
DG8M	Monocitric/Na Thio 60mL
AG3U	250mL unpress amber glass
AG3B	Na Thiosulfate 250mL bottle
BP1T	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.5 Chemical Erlen

[illegible]

Sender Initials

Additional Comments

WO#: 70278344

PM: KMM

CLIENT: MEC

Due Date: 11/30/23

Page 16 of 17

WO#: 70278344

Client Name:

MEC

Project #

PM: KMM

Due Date: 11/30/23

CLIENT: MEC

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pac ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: THU1 Correction Factor: +0.3 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.6 Cooler Temperature Corrected (°C): 2.9 Date/Time 5035A kits placed in freezer _____

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: MP 11/24

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested ☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	10.
Containers Intact: ☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests ☐ Yes ☐ No ☒ N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix: <u>SL WT OIL OTHER</u>	

Date and Initials of person checking preservation: MP 11/24

All containers needing preservation have been ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>227822V</u>	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, ☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	
Per Method, VOA pH is checked after analysis	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #	Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	15.
SM 4500 CN samples checked for sul ☐ Yes ☐ No ☒ N/A	Positive for Sulfide? Y N
Lead Acetate Strips Lot #	16.
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	17.
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	
Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: MP 11/24/23

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

(Complete for each school)

Grade Levels: _____ Year School Constructed: _____ Renovated/Additions: _____

Date Completed:

#	Type	Location	Code	Operational (Y/N)	Signs of Corrosion (Y/N)	Filter (Y/N)	Brass Fittings Faucets or valves (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler	
											Make	Model
1	WC	LOUNGE		Y	N	N	N	N	N	Y	ELKAY	EZFS8
2	FP	LOUNGE								N		
3	IWF	HALLWAY										
4		LADIES RM										
5		"										
6		"										
7		"										
8		WASH RM										
9		MENS RM										
10		"										
11		"										

WC - WATER COOLER FP - FOOD PREPARATION IWF - INDOOR WASH FACILITY

⁴ Document on Attachment D- Filter Inventory.

Attachment D - Filter Inventory (Complete for each school)

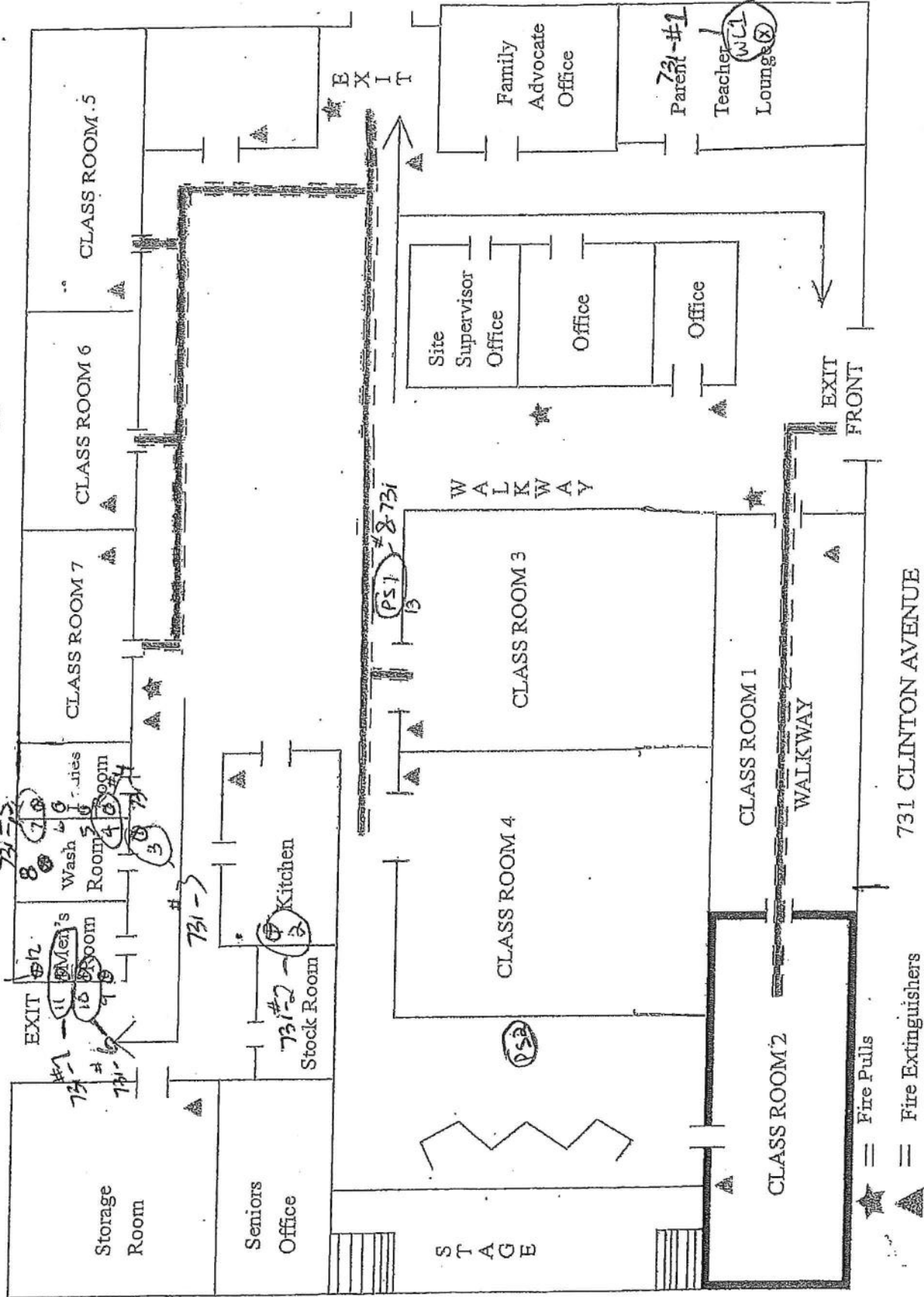
Name of School: THE LEAGUES HEAD START Grade Levels: _____

Address: 731 CLINTON AVE NEWARK NJ

Individual School Project Officer Signature: _____ Date: _____

[illegible]

THE LEAGUERS 731 CLINTON AVENUE



14TH STREET

731 CLINTON AVENUE

= Fire Pulls

= Fire Extinguishers