



March 29, 2017

Courtney Wilton
Portland Public Schools
501 North Dixon
Portland, OR 97227

Via email: cwilton@pps.net

Regarding: Lead Paint Condition Assessment
Marshall High School
3905 SE 91st Avenue
Portland, Oregon 97266
PBS Project: 6500.721 Phase 0074

Dear Mr. Wilton:

On March 23, 2017, PBS Engineering and Environmental Inc. (PBS) conducted a visual inspection and assessment of painted and varnished surfaces on the interior and exterior of Marshall High School located at 3905 SE 91st Avenue in Portland, Oregon.

PBS assessed painted and varnished interior and exterior hard surfaces as well as concrete, asphalt, soil, garden spaces, and windowsills adjacent or in close proximity to deteriorated painted or varnished surfaces.

Paint and varnish conditions were assessed using US Department of Housing and Urban Development (HUD) guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing (2012 Addition) Chapter 5: Risk Assessment and Reevaluation.

It is assumed that all paint and varnish at the school contain some concentration of lead. The purpose of this investigation is to identify those finishes in deteriorated condition.

FINDINGS

Overall, the building's painted and varnished surfaces were found to be in intact condition with areas of fair and deteriorated conditions. A table listing the locations and quantity of surfaces in deteriorated condition is attached to this report.

No paint chips were observed in the school's garden spaces; however, paint chips were observed on concrete at the southwest and northwest gym doors and on asphalt by the west shop wing walls.

Neither paint abrasion nor paint chips were observed on or around the school's metal sliding windows.

Painted playground and parking lot striping and curbing often contain lead and are generally in deteriorated condition due to weatherization and traffic. PBS did not assess this paint, but recommends restriping, as needed, to maintain in intact condition.

RECOMMENDATIONS

PBS recommends that all painted or varnished surfaces in deteriorated condition noted on the attached table be stabilized. All paint chips noted in this report should be removed.

4412 SW Corbett Avenue, Portland, OR 97239
503.248.1939 Main
866.727.0140 Fax
888.248.1939 Toll-Free
www.pbsenv.com

Please feel free to contact me at 503.417.7691 or clark@pbsenv.com with any questions or comments.

Sincerely,
PBS Engineering and Environmental Inc.

A handwritten signature in black ink, appearing to read 'Clark Nelson', with a stylized flourish at the end.

Clark Nelson, CIH
Senior Project Manager

Attachments: Condition Assessment of Deteriorated Paint/Varnish Table
 Field Drawing of Deteriorated Paint and Varnish Locations
 Lead-based Paint Risk Assessor Certification (Clark Nelson)
 Lead-based Paint Activities Firm Certification (PBS Engineering and Environmental)

CN:DM:bmp

Marshall High School
Assessment of Paint/Varnish in Deteriorated Condition

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
A	Exterior	East side of school	Flag	Above and below	No	Metal	100
B	Exterior	Southeast entrance	Posts	Above and below	No	Metal	30
C	Exterior	Southeast entrance	Overhang	Above	No	Concrete	75
D	Exterior	Mechanical room stairwell	Handrail	Below	No	Metal	30
E	Exterior	South kitchen lawn area	Handrail	Below	No	Metal	100
F	Exterior	Northwest fields staircase	Handrail	Below	No	Metal	100
G	Exterior	Baseball field	Dugout	Above and below	No	Wood	60
H	Exterior	Baseball field	Right field wall	Above and below	No	Concrete	40
I	Exterior	Bleachers	East wall	Above	No	Wood	100
J	Exterior	Football field	East handrail	Below	No	Metal	200
K	Exterior	Bleachers	Bleachers	Below	No	Wood and metal	3000
L	Exterior	Bleachers	South wall	Above and below	No	Concrete	20
M	Exterior	Bleachers	Concessions ramp wall	Above and below	No	Concrete	50
N	Exterior	Bleachers	North wall	Above and below	No	Concrete	50
O	Exterior	Kitchen loading dock	Doors and handrails	Above and below	No	Metal	100
P	Exterior	Kitchen loading dock	Wall	Below	No	Concrete	10
Q	Exterior	South kitchen parking area	Posts	Below	No	Metal	5
R	Exterior	Southwest entrance	Door and poles	Above and below	No	Metal	210
S	Exterior	Southwest entrance	Roof overhang	Above	No	Concrete	10
T	Exterior	South gym wall	Lower wall	Below	No	Concrete	20
U	Exterior	Southwest gym door	Roof overhang	Above	No	Concrete	80
V	Exterior	Southwest gym wall	Lower wall	Below	No	Concrete	20

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
W	Exterior	Southwest gym door	Doors and handrails	Above and below	No	Metal	220
X	Exterior	Northwest gym doors	Doors and handrails	Above and below	No	Metal	220
Y	Exterior	Northwest gym doors	Lower wall	Below	No	Concrete	30
Z	Exterior	Northwest gym wall	Poles	Above and below	No	Metal	20
AA	Exterior	North gym wall	Lower wall	Below	No	Concrete	40
AB	Exterior	West courtyard entrance	Lower wall	Below	No	Concrete	20
AC	Exterior	West courtyard entrance	Poles	Above and below	No	Metal	70
AD	Exterior	West courtyard entrance	Handrail	Below	No	Metal	20
AE	Exterior	Southwest courtyard area	Lower walls	Below	No	Concrete	80
AF	Exterior	East courtyard area	Poles	Above and below	No	Metal	80
AG	Exterior	East courtyard area	Doors and handrails	Above and below	No	Metal	180
AH	Exterior	Northeast courtyard	Roof overhang	Above	No	Concrete	60
AI	Exterior	Northeast courtyard storage	North wall	Above and below	No	Wood	250
AJ	Exterior	North courtyard area	Roof overhang	Above	No	Concrete	1000
AK	Exterior	North courtyard area	Lower wall	Below	No	Concrete	50
AL	Exterior	West shop wing walls	Lower wall and paint chips	Below	No	Concrete	200
AM	Exterior	Shop stairs southwest	Posts	Below	No	Metal	20
AN	Exterior	West parking lot	Posts	Below	No	Metal	200
AO	Exterior	West shop stairs	Stairs and handrails	Below	No	Metal	100
AP	Exterior	Northwest shop door	Door and handrails	Above and below	No	Metal	60
AQ	Exterior	North shop and west boiler room walls	Lower walls	Below	No	Concrete	50
AR	Exterior	North boiler room office loading dock	Roof overhang	Above	No	Concrete	150
AS	Exterior	North side of school	Lower wall	Below	No	Concrete	50

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
AT	Exterior	northeast door overhang	Overhang	Above	No	Concrete	60
AU	Exterior	Northeast doors	Poles	Above and below	No	Metal	20
AV	Exterior	East basement door	Door	Above and below	No	Metal	45
AW	Interior	Nurses office	Door	Above and below	No	Wood	60
AX	Interior	Vice principal's office	Door	Above and below	No	Wood	45
AY	Interior	Classroom A1	Door	Above and below	No	Wood	90
AZ	Interior	Mechanical room A7	Door and frame	Above and below	No	Metal	60
BA	Interior	Classroom A10	Door	Above and below	No	Wood	45
BB	Interior	Classroom A13	Door	Above and below	No	Wood	45
BC	Interior	Boiler room office A12	Door and cabinets	Above and below	No	Wood	140
BD	Interior	Boiler room restroom A14	Floor	Below	No	Concrete	200
BE	Interior	Boiler room restroom A14	Door	Above and below	No	Wood	45
BF	Interior	Boiler room	Handrails, stairs, catwalks, beams	Above and below	No	Metal	500
BG	Interior	Boiler room, north door	Door and frames	Above and below	No	Metal	100
BH	Interior	Men's staff restroom A17	Door	Above and below	No	Wood	45
BI	Interior	Elevator room	Door and frames	Above and below	No	Wood and metal	60
BJ	Interior	Elevator room	Wall	Below	No	Plaster	10
BK	Interior	Elevator room	Elevator door	Above and below	No	Metal	10
BL	Interior	Metal shop A28	Cabinets	Below	No	Wood	40
BM	Interior	Classroom A25	Door	Above and below	No	Wood	45
BN	Interior	Girl's restroom A23	Door	Above and below	No	Wood	90
BO	Interior	Faculty women's restroom A19	Door	Above and below	No	Wood	45
BP	Interior	Northwest stairwell	Handrails, stairs, catwalks, beams	Below	No	Metal	200

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
BQ	Interior	North stairwell	Handrails, stairs, catwalks, beams	Below	No	Wood and metal	200
BR	Interior	Staff restroom B20	Door	Above and below	No	Wood	45
BS	Interior	Staff restroom B21	Door	Above and below	No	Wood	45
BT	Interior	Main floor, elevator room	Door	Above and below	No	Wood and metal	100
BU	Interior	Classroom B25	Door	Above and below	No	Wood	45
BV	Interior	West stairwell	Handrails	Below	No	Wood and metal	200
BW	Interior	I.T room HDF 1.2	Door	Above and below	No	Wood	45
BX	Interior	Girl's restroom B33	Door	Above and below	No	Wood	90
BY	Interior	Men's restroom B35	Door	Above and below	No	Wood	45
BZ	Interior	Southwest stairwell	Handrails	Below	No	Wood and metal	200
CA	Interior	Classroom B51	Door	Above and below	No	Wood	45
CB	Interior	Girl's restroom B52	Door	Above and below	No	Wood	45
CC	Interior	Office B50	Door and Doorframe	Above and below	No	Metal	60
CD	Interior	Boy's bathroom B55	Door	Above and below	No	Wood	45
CE	Interior	Southeast stairwell	Handrail	Above and below	No	Wood and metal	200
CF	Interior	Practice room C62	Door	Above and below	No	Wood	45
CG	Interior	PTA storage area	Short wall top	Below	No	Wood	20
CH	Interior	Stage B65	Door	Above and below	No	Wood	90
CI	Interior	Stage B65	Stair case	Above and below	No	Metal	50
CJ	Interior	Northwest lower level, gym hall	Door	Above and below	No	Metal	90
CK	Interior	Storage rooms A38, A39	Door	Above and below	No	Wood	90
CL	Interior	West cafeteria door	Doorframe and handrail	Above and below	No	Metal	70
CM	Interior	Sun room classroom	Door	Above and below	No	Metal	90

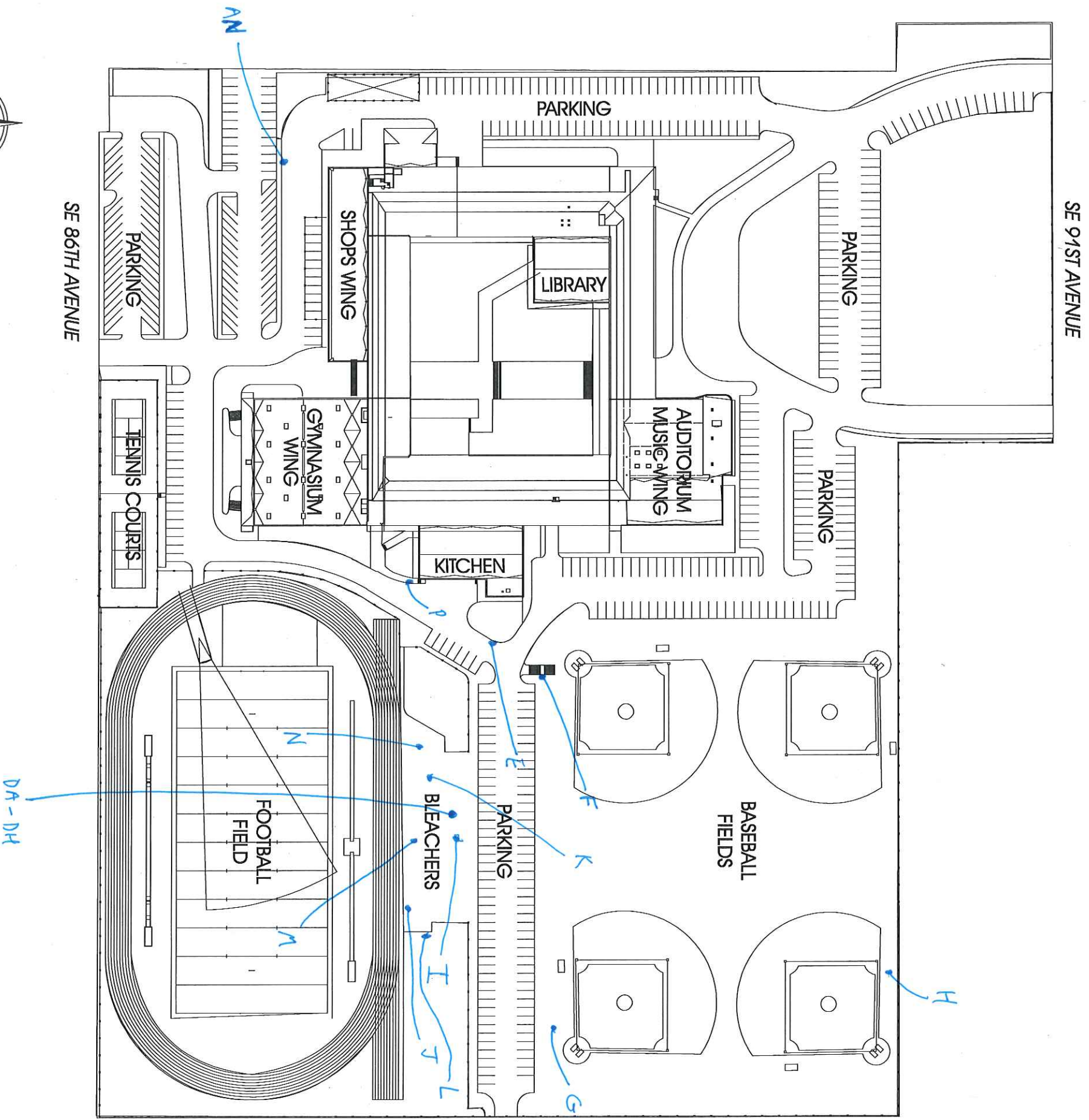
ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
CN	Interior	Dish washing room storage	Door	Above and below	No	Wood	135
CO	Interior	Refrigerator room	Door and frames	Above and below	No	Wood	100
CP	Interior	South kitchen door	Door and frames	Above and below	No	Metal	60
CQ	Interior	Southwest kitchen door	Door	Above and below	No	Wood	45
CR	Interior	Cafeteria/kitchen doors	Door	Above and below	No	Wood	360
CS	Interior	Mechanical room A44	Door	Above and below	No	Wood	90
CT	Interior	Mechanical room A46	Door	Above and below	No	Metal	45
CU	Interior	Incinerator room	Door	Above and below	No	Metal	90
CV	Interior	Northeast gym doors and office doors A57	Door and frames	Above and below	No	Wood and metal	240
CW	Interior	Gym A57	Baseboards	Below	No	Wood	500
CX	Interior	West gym storage A57	Door and frames	Above and below	No	Wood and metal	200
CY	Interior	Southwest gym door to boy's locker room A57	Door and frames	Above and below	No	Metal	60
CZ	Interior	Men's gym restroom A57	Door	Above and below	No	Wood	45
DA	Interior	"Grand stands" concessions	South concessions window panel	Above and below	No	Wood	100
DB	Interior	"Grand stands" concessions	Door and doorframe	Above and below	No	Metal	60
DC	Interior	Grand stands south storage	Door and doorframe	Above and below	No	Metal	60
DD	Interior	Grand stands men's restroom	Door and doorframe	Above and below	No	Metal	60
DE	Interior	Grand stands main stairs	Handrails	Below	No	Metal	60
DF	Interior	Grand stands	Support beams	Above and below	No	Metal	200
DG	Interior	Press box	Door and doorframe	Above and below	No	Metal	120
DH	Interior	Press box	Floor	Below	No	Wood	100
DI	Interior	Boy's restroom C37	Door	Above and below	No	Wood	90
DJ	Interior	Men's staff restroom C36	Door	Above and below	No	Wood	45

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
DK	Interior	Classroom C44	Unit ventilator	Below	No	Metal	30
DL	Interior	Projection booth	Door	Above and below	No	Wood	45
DM	Interior	Projection booth	Handrail	Below	No	Metal	20
DN	Interior	Second floor elevator room	Door	Above and below	No	Wood and metal	140
DO	Interior	Second floor northeast mechanical room	Door, frame, handrails	Above and below	No	Metal	100
DP	Interior	Boy's restroom C22	Door	Above and below	No	Wood	45
DQ	Interior	Custodial C25	Door	Above and below	No	Wood	45
DR	Interior	Classroom C28	Door	Above and below	No	Wood	45
DS	Interior	Classroom C29	Door	Above and below	No	Wood	45
DT	Interior	Classroom C30	Door	Above and below	No	Wood	45
DU	Interior	Classroom and conference room C32	Door	Above and below	No	Wood	135
DV	Interior	Classroom C33	Door	Above and below	No	Wood	45
DW	Interior	Girl's restroom C34	Door	Above and below	No	Wood	90
DX	Interior	Classroom C38	Wall	Below	No	Plaster	6
DY	Interior	Classroom C38	Door	Above and below	No	Wood	45
DZ	Interior	Classroom C40	Door	Above and below	No	Wood	45
EA	Interior	Office C42	Door	Above and below	No	Wood	135
EB	Interior	Classroom C41	Door	Above and below	No	Wood	45
EC	Interior	Classroom C43	Door	Above and below	No	Wood	45
ED	Interior	Classroom C46	Door	Above and below	No	Wood	45
EE	Interior	Boy's restroom across from C53	Double doors	Above and below	No	Wood	90
EF	Interior	Classroom C1	Door	Above and below	No	Wood	45
EG	Interior	Classroom C2	Door	Above and below	No	Wood	45

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
EH	Interior	Classroom C3	Door	Above and below	No	Wood	45
EI	Interior	Classroom C4	Door	Above and below	No	Wood	45
EJ	Interior	Classroom C5	Door	Above and below	No	Wood	45
EK	Interior	Classroom C6	Door	Above and below	No	Wood	45
EL	Interior	Classroom C7	Door	Above and below	No	Wood	45
EM	Interior	Athletic training clinic	Door	Above and below	No	Wood	45
EN	Interior	Athletic training clinic	Door	Above and below	No	Metal	45
EO	Interior	Gym 18, team room	Door	Above and below	No	Metal	45
EP	Interior	Gym 17, team room C	Door	Below	No	Wood	50
EQ	Interior	Gym 13, issue room	Built-in cabinets	Above and below	No	Metal	15
ER	Interior	Gym 15, office	Doorframe	Above and below	No	Metal	60
ES	Interior	Boy's locker room	Door and frame	Below	No	Metal	20
ET	Interior	Weight room	Handrails	Below	No	Wood	200
EU	Interior	Weight room	Baseboards	Above and below	No	Concrete	150
EV	Interior	Weight room	North and east walls	Above and below	No	Metal	30
EW	Interior	Weight room	Doorframes to storage	Above and below	No	Metal	15
EX	Interior	Weight room	Doorframe to G29	Above and below	No	Wood	45
EY	Interior	Hallway outside gym	Door to girl's locker room	Above and below	No	Wood	45
EZ	Interior	Classroom 27B	Door	Above and below	No	Wood	45
FA	Interior	Classroom 26	Door	Above and below	No	Wood	45
FB	Interior	Classroom 24	Door	Above and below	No	Wood	45
FC	Interior	Classroom 44	Door	Above and below	No	Wood	45
FD	Interior	Classroom 45	Door	Above and below	No	Wood	45

ID	Interior / Exterior	Location	Structure	Above / Below five feet	K-2nd Grade	Substrate	Square Feet
FE	Interior	Classroom 46	Door	Above and below	No	Wood	45
FF	Interior	Classroom 47	Door	Above and below	No	Wood	45
FG	Interior	Classroom 48	Door	Above and below	No	Wood	45
FH	Interior	Classroom 49	Door	Above and below	No	Wood	45

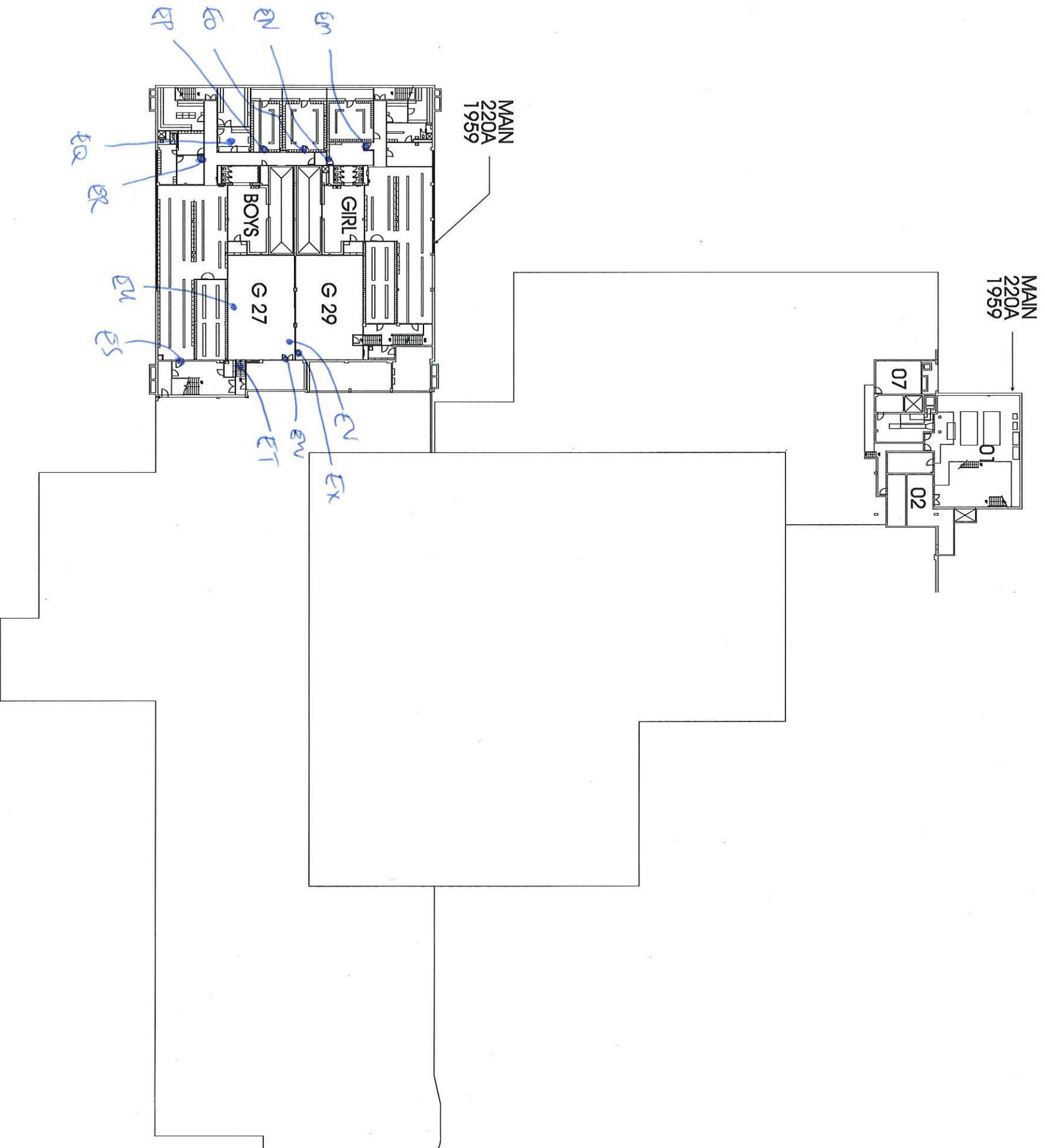
Marshall High School **3905 SE 91st 97226** **Facility Plan**



SITE / FIRST FLOOR PLAN

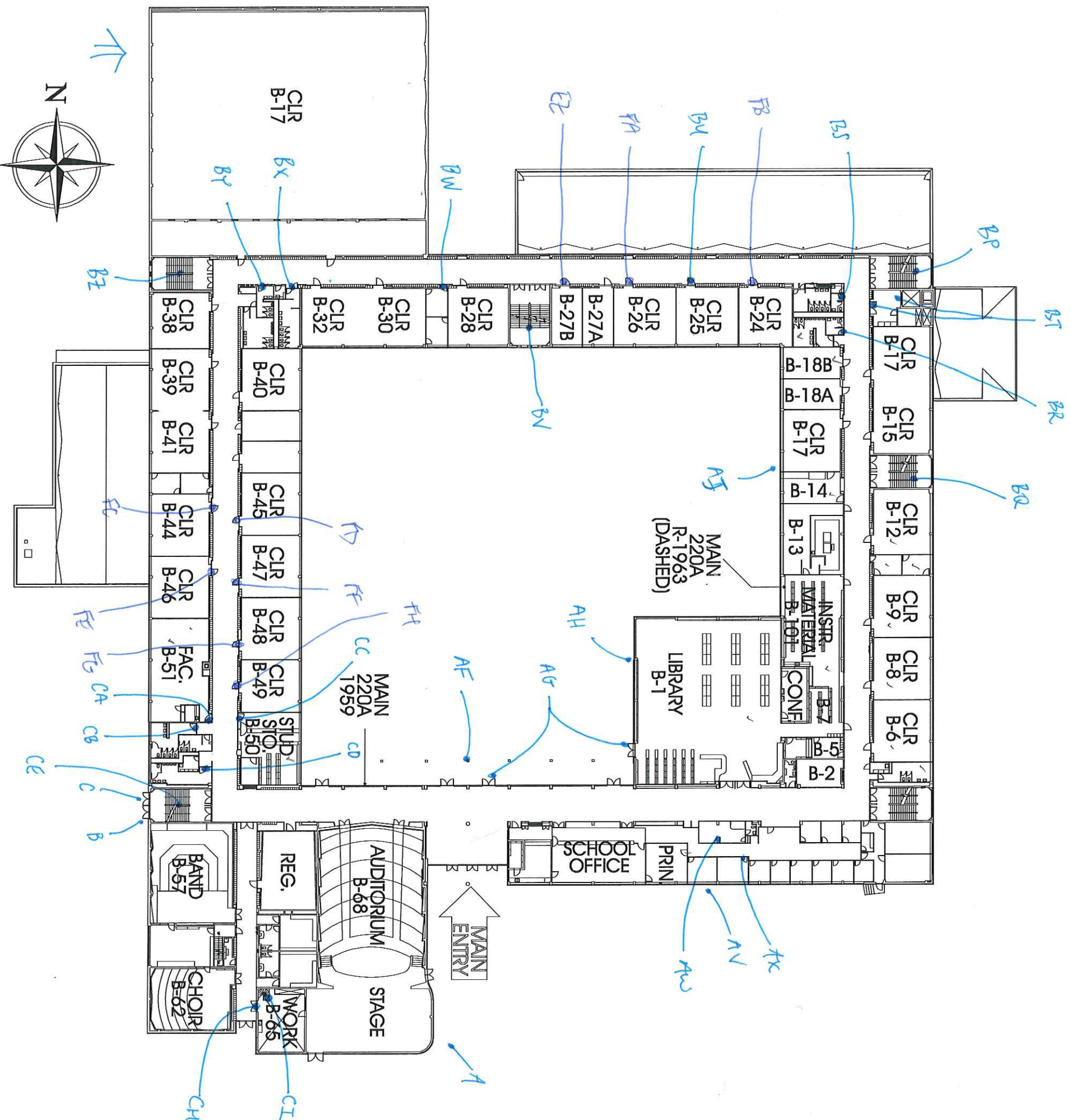
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 ACRES 23.45
 1/4 SECT. 3439

Marshall High School
3905 SE 91st 97226
Facility Plan



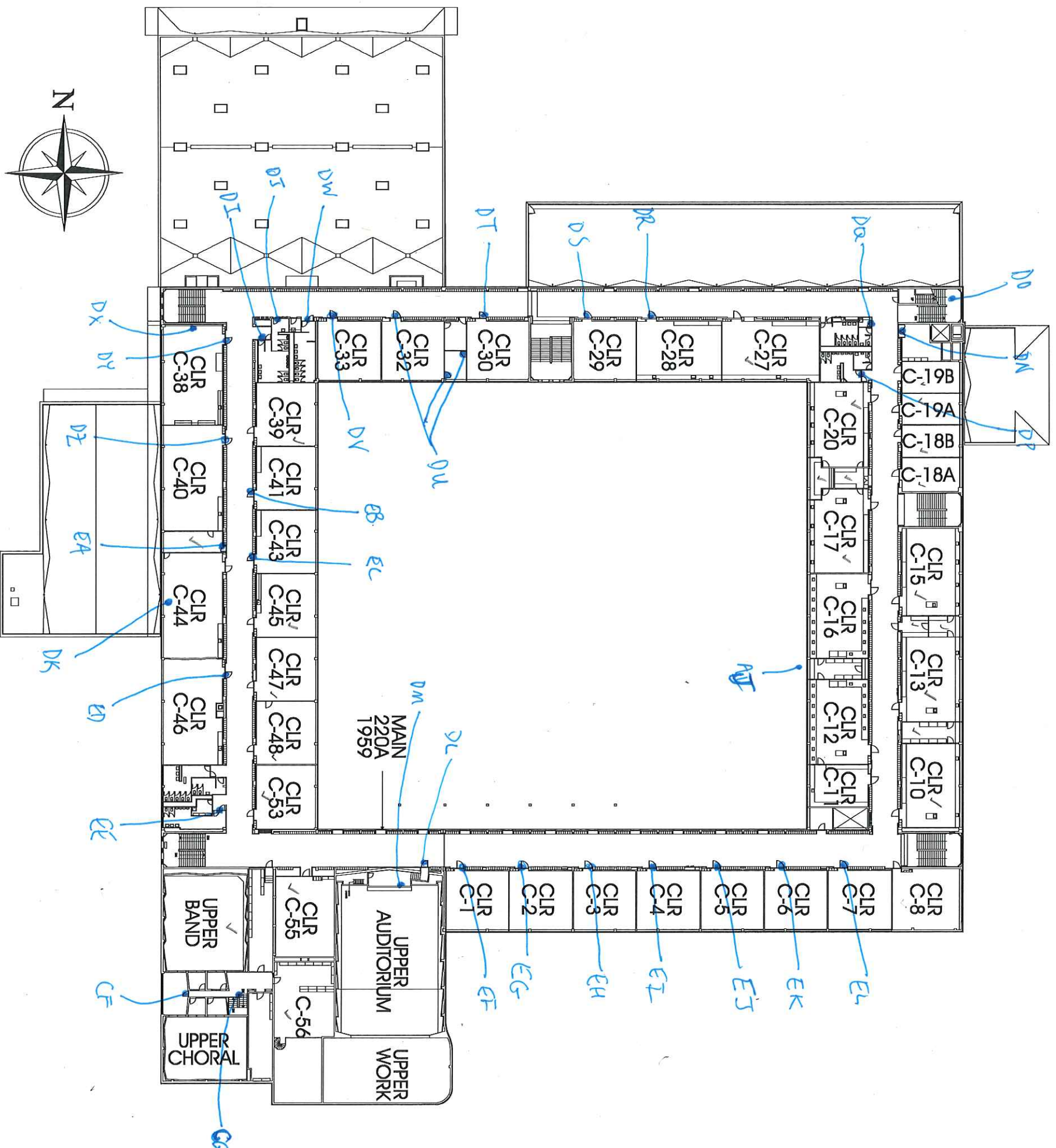
BASEMENT FLOOR PLAN

Marshall High School
3905 SE 91st 97226
Facility Plan



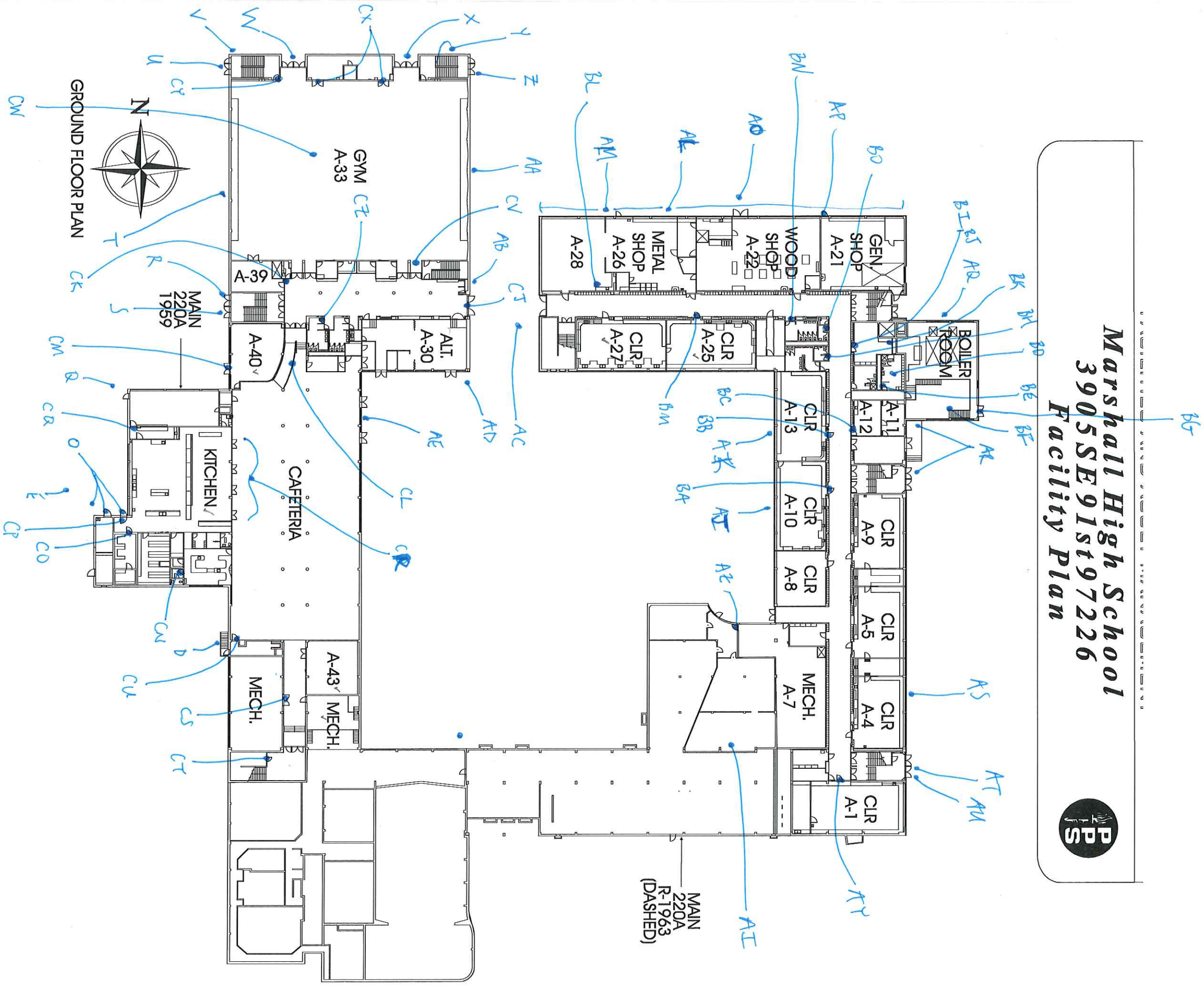
FIRST FLOOR PLAN

*Marshall High School
3905 SE 91st 97226
Facility Plan*



SECOND FLOOR PLAN

Marshall High School
3905 SE 91st 97226
Facility Plan



June 9, 2016

Clark R. Nelson
PBS Engineering and Environmental Inc.
4412 S.W. Corbett Ave
Portland, OR 97239

800 NE Oregon Street, Suite 640
Portland, OR 97232
Phone: (971) 673-0440
Fax: (971) 673-0457
TTY Nonvoice: (971) 673-0372

RE: LEAD-BASED PAINT ACTIVITIES, INDIVIDUAL CERTIFICATION NO. 1806--Indv--R

This letter is your official notification that you have met the certification requirements under Oregon Administrative Rule (OAR) 333-069 to conduct lead-based paint activities in Oregon, in the following disciplines: Risk Assessor; Inspector

In addition to certification by the Oregon Health Authority, you are required to be licensed by the Construction Contractors Board (CCB) if you plan to conduct lead-based paint activities in Oregon. This license is different than, and in addition to, the standard contractor license issued by CCB. Both individuals and firms must obtain this license. For more information on CCB lead-based paint licensing, visit their web site at www.oregon.gov/CCB or call 503-378-4621.

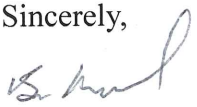
As a certified individual in Oregon, you must meet all the requirements of OAR 333-069, including work practice standards for conducting lead-based paint activities in target housing and child-occupied facilities. As a certified individual, you must perform work under a firm that is certified by the Authority for conducting lead-based paint activities.

You are required to wear the enclosed badge in plain view when conducting lead-based paint activities. Please note that the badge and certificate will expire on 6/30/2017. If you wish to maintain your certification after 6/30/2017, you must submit an application postmarked at least 60 days before expiration and document that your lead-based paint activities training is current.

As a public service the Authority publishes a list of individuals performing lead-based paint activities in Oregon. The list is distributed statewide to consumers interested in lead-based paint activities. Individuals that are certified by the state are eligible to be on this list.

If you have any questions concerning your certification or other aspects of the Lead-Based Paint Program, please contact program staff at 971-673-0440.

Sincerely,


Ben Maynard
Lead-Based Paint Program
Oregon Health Authority

Enclosures: 1) Badge; 2) Certificate



Clark R. Nelson

**Risk Assessor
Inspector
Lead-Based Paint
Activities
CERTIFICATION
1806--Indv--R
6/30/2017**

Expires

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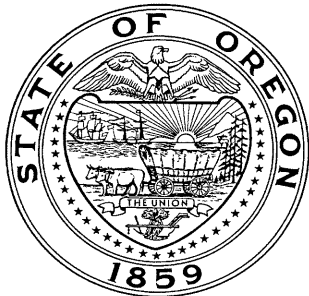
State of Oregon
Oregon Health Authority

Clark R. Nelson

is certified by the Oregon Health Authority to conduct Lead-Based Paint Activities

Risk Assessor

Certification Number:	1806--Indv--R
Issuance Date:	6/9/2016
Expiration Date:	6/30/2017



Oregon
Health
Authority

CLARK RICHARD NELSON
4412 SW CORBETT AVE
PORTLAND, OR 97239

**CONSTRUCTION CONTRACTORS BOARD
LEAD BASED PAINT
RISK ASSESSOR LICENSE**

EXPIRATION DATE: 6/24/2017

This document certifies that

CLARK RICHARD NELSON
4412 SW CORBETT AVE
PORTLAND, OR 97239

is licensed in accordance with Oregon Law as
a Lead Based Paint Risk Assessor.

9151806-RA

**STATE OF OREGON
CONSTRUCTION CONTRACTORS BOARD
LEAD BASED PAINT
RISK ASSESSOR LICENSE**

LICENSE NUMBER: 9151806-RA

This document certifies that:

CLARK RICHARD NELSON
4412 SW CORBETT AVE
PORTLAND, OR 97239

is licensed in accordance with Oregon Law as a Lead Based Paint Risk Assessor.

License Details:

LICENSE NO.: 9151806-RA
EXPIRATION DATE: 6/24/2017

May 17, 2016

PBS Engineering and Environmental Inc.
4412 SW Corbett Ave
Portland, OR 97239

800 NE Oregon Street, Suite 640
Portland, OR 97232
Phone: (971) 673-0440
Fax: (971) 673-0457
TTY Nonvoice: (971) 673-0372

Attention: Derek May

RE: LEAD-BASED PAINT ACTIVITIES, FIRM CERTIFICATION NO. 1038--LBP FIRM

This letter is your official notification that PBS Engineering and Environmental Inc. has met certification requirements under Oregon Administrative Rules (OAR) 333-069 to conduct lead-based paint activities in Oregon. Please note that the enclosed certificate will expire on 6/30/2017.

In addition to certification by the Oregon Health Authority (Authority), PBS Engineering and Environmental Inc. is required to be licensed by the Construction Contractors Board (CCB) prior to conducting lead-based paint activities in Oregon. This license is different than, and in addition to, the standard contractor license issued by CCB. Both individuals and firms must obtain this license. For more information on CCB lead paint licensing, visit their web site at www.oregon.gov/CCB or call 503-378-4621.

As a firm certified to conduct lead-based paint inspection activities in Oregon, PBS Engineering and Environmental Inc. must meet all requirements set forth in OAR 333-069. It must comply with standards for conducting lead-based paint inspection and/or risk assessment activities in target housing and child-occupied facilities and employ only certified individuals to conduct regulated activities.

As a public service, the Authority publishes a list of firms performing lead-based paint activities in Oregon. The list is distributed statewide to consumers interested in lead-based paint services. Only those firms that are certified by the state are eligible to be on this list.

If you have any questions concerning this certification or other aspects of the Lead-Based Paint Program, please contact program staff at (971) 673-0440.

Sincerely,



Ben Maynard
Lead-Based Paint Program
Oregon Health Authority

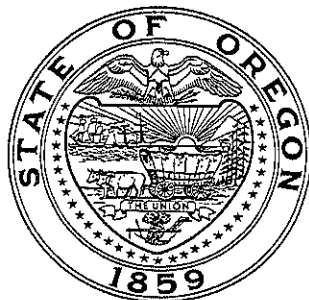
This document can be obtained in an alternate format by calling: (971) 673-0440.

State of Oregon
Oregon Health Authority

PBS Engineering and Environmental Inc.

is certified by the Oregon Health Authority to conduct Lead-Based Paint Activities

Certification Number:	1038--LBP FIRM
Issuance Date:	5/16/2016
Date of Expiration:	6/30/2017



Oregon
Health
Authority

PBS ENGINEERING & ENVIRONMENTAL INC
4412 SW CORBETT
PORTLAND OR 97239

CONSTRUCTION CONTRACTORS BOARD
LEAD INSPECTION CONTRACTORS LICENSE
LICENSE No.: LBPI129143
EXPIRATION DATE: 7/31/2017

This document certifies that

PBS ENGINEERING & ENVIRONMENTAL INC
4412 SW CORBETT
PORTLAND OR 97239

is licensed in accordance with Oregon Law as
a Lead Inspection Contractor.

STATE OF OREGON
CONSTRUCTION CONTRACTORS BOARD
LEAD INSPECTION CONTRACTORS LICENSE

LICENSE NUMBER: LBPI129143

This document certifies that:

PBS ENGINEERING & ENVIRONMENTAL INC
4412 SW CORBETT
PORTLAND OR 97239

is licensed in accordance with Oregon Law as a Lead Inspection Contractor.

License Details:

LBPI LICENSE NO.: LBPI129143
EXPIRATION DATE: 7/31/2017