City of Portland, Maine - Building or Use Permit Application

Permit No:	Issue Date:	CBL:
04-0788		156 F001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
267 Ocean Ave	Cheverus High School	267 Ocean Ave	774-6238
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Additions - Commercial	R-3
Past Use:	**Proposed Use:**	**Permit Fee:**	**Cost of Work:** / **CEO District:**
none	gymnasium and locker room	$40,881.00	$4,540,000.00 / 4

FIRE DEPT: ☑ Approved ☐ Denied — Signature:

INSPECTION: Use Group: E/A Type: 2C — 7/22/04 — Signature:

systems install

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
jodinea	06/11/2004

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☒ Shoreland property is within 250' but is over 300' HWM	☐ Variance	☒ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone Panel 7 Zone X	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☒ Site Plan 2003-0176	☐ Approved	☐ Approved w/Conditions
Maj ☒ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: OK 7/7/04	Date:	Date:

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE

Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

B[illegible]CTION

LI-

Permit Number: 040788

Please Read Application And Notes, If Any, Attached

This is to *certify* that Cheverus High School

has permission to Gym & locker room addition [illegible] Spri[illegible]r & fire [illegible]m systems install

AT 267 Ocean Ave [illegible] 156 F007001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and written permission procured before this building or part thereof is lathed or closed-in. HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. [signature]

Health Dept. _____

Appeal Board _____

Other _____
Department Name

[signature] 7/27/05
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, **Fax:** (207) 874-8716

Permit No:	Date Applied For:	CBL:
04-0788	06/11/2004	156 F001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
247 Ocean Ave	St Ignatius Residence The	271 Ocean Ave	( ) 774-6238
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Owner	Portland	
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	

Proposed Use:	Proposed Project Description:
gymnasium and locker room	Gym & locker room addition to existing bldg. Sprinkler & fire alarm systems install

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 07/07/2004
Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 07/27/2004
Note: **Ok to Issue:** ☑

1) Testing agencies for the special inspection program must be assigned prior to commencement construction.
2) Guards Must not have a "ladder" in effect, the designer agrees to redseign with appropraiely spaces vertical members

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Lt. MacDougal **Approval Date:** 07/08/2004
Note: **Ok to Issue:** ☑

1) Guards and Handrails shall comply with NFPA 101 life safety code, 2000 edition, sec. 7.2.2.4
2) the fire alarm system and sprinkler system shall be tested to the appropriate standard and the results submitted to the Portland Fire Department
3) the sprinker system shall be installed in accordance with NFPA 13 standards
4) the fire alarm system shall be installed **in** accordance with NFPA 72 standards

Dept: Engineering **Status:** Approved **Reviewer:** Tony **Approval Date:** 09/05/2003
Note: ENGINEERING REVIEW ..9/5/03 **Ok to Issue:** ☐

I have reviewed the application dated 8/29/03 and find there to be no issues for Public Works.

Dept: Fire **Status:** Approved **Reviewer:** Lt. MacDougal **Approval Date:** 09/16/2003
Note: **Ok to Issue:** ☑

Dept: DRC **Status:** Approved **Reviewer:** Rick Knowland **Approval Date:** 10/14/2003
Note: **Ok to Issue:** ☑

Dept: Planning **Status:** Approved **Reviewer:** Rick Knowland **Approval Date:** 10/14/2003
Note: **Ok to Issue:** ☑

Comments:
7/14/2004-mjn: Sent List of questions/comments to Architect

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM DESIGNER: HARRIMAN ASSOCIATES
ONE AUBURN BUSINESS PARK, AUBURN, ME 04210

DATE: 6/10/04

Job Name: CHEVERUS HIGH SCHOOL - ADDITIONS & RENOVATIONS

Address of Construction: 267 OCEAN AVENUE, PORTLAND

THE BOCA NATIONAL BUILDING CODE / 1999 (FOURTEENTH EDITION)

Construction project was designed according to the building code criteria listed below:

Building Code and Year BOCA 1999 Use Group Classification(s) EDUCATION/ASSEMBLY

Type of Construction 2C.

Structural Systems

Roof Snow Load

60 psf Ground Snow Load (Pg)
42 psf If Pg >10 psf, Flat Roof snow load, Pf
1.0 If Pg >10 psf, snow exposure factor, Ce
1.0 If Pg >10 psf, roof thermal factor
1.0 If Pg >10 psf, snow load importance factor, I
— Sloped Roof Snowload Ps

Earthquake Loads

0.11 Peak velocity-related acceleration, **Av**
0.11 Peak acceleration, A*a*
1 Seismic hazard exposure group
C Seismic performance category
S1 Soil profile type
Reinf. Mas. Shear Walls Basic structural system /seismic-resisting system
4.5, 4.0 Response modification factor, R, and deflection amplification factor, *Cd,*

YES The documents must account for Drift snow load, unbalanced snow load and Sliding snow loads as required.

Wind Loads

90 mph Basic Wind Speed
+0.25, -0.25 Internal Pressure Coefficient
C Wind Exposure Category
43.3 psf Wind Design Pressure
1.23 Wind Importance Factor

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

ACCESSIBILITY CERTIFICATE

Designer: HARRIMAN ASSOCIATES

Address of Project: 267 OCEAN AVENUE

Nature of Project: CHEVERUS HIGH SCHOOL

ADDITIONS & RENOVATIONS

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act.

Signature: Jeffrey P. Larimer

Title: ARCHITECT

(SEAL)
REGISTERED ARCHITECT
JEFFREY P. LARIMER
No. 1806
STATE OF MAINE

Firm: HARRIMAN ASSOCIATES

Address: ONE AUBURN BUSINESS PARK

AUBURN, ME 04210

Phone: 784-5100

Architects + Engineers

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5100 telephone
207.782.3017 fax
www.harriman.com

FAXED 6/11/04

FAX COVER SHEET

Building communities since 1870

To	Date
Mike Nugent	June 11,2004
	From
Inspection Services Manager	Jeff Larimer
	Project
Planning & Development Department	Cheverus High School
	Project Number
	02103
Fax Number	Number of Pages (Including Cover Sheet)
874-8716	14

Instructions / Notes

Mike,

Attached are the following documents as requested

1.	Certificate of Design	1 page
2.	Accessibility Certificate	1 page
3.	Structural Information Sheet	1 page
4.	Statement of Special Inspections	10 pages

Originals will be mailed under separate cover.

jplar

cc w/encs: Michael Komich, Cheverus High School

CITY OF PORTLAND, MAINE
PLANNING BOARD

October 22, 2003

Rev. John W. Keegan, President
Cheverus High School
267 Ocean Avenue
Portland ME 04103

RE Cheverus High School; **CBL: 156-F-002**

Dear Father Keegan:

On October 14,2003. the Portland Planning Board voted on the following motions concerning the proposed Cheverus High School cafeteria/gymnasium building

A. The Planning Board voted 4-0 (Malone. Delogu, Tevanian absent) that the plan is in conformance with the conditional use standards (sec 14-88 and sec 14-474) of the land use code, subject to the following condition of approval:

1. That the conditions imposed by the Planning Board on August 8,2000 and on June 10, 1997 (included as Attachment A-3 and A-4 of Planning Report #19-97) are hereby specifically adopted and imposed as a condition of approval of this application.

B The Planning Board voted 4-0 (Malone, Delogu, Tevanian absent) that the plan is in conformance with the Site Plan Ordinance of the Land Use Code including the Site Location of Development Law, subject to the following condition of approval.

1. That a blasting plan and survey be prepared for City staff review and approval.

Plense note the following provisions and requirements for all site plan approvals;

1. Where submission drawings are available in electronic form, the applicant shall submit any available electronic CADD.DXF files with seven (7) sets of the final plnns.

2. A perfonnance guarantcc covering the site improvements as well as an inspection fee payment of 2 0% of the guarantcc amount and 7 final sets of plans must be submitted to and approved by the Planning Division and Public Works prior to the relcasc of the building permit. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval

3. The site plan approval will be deemed to have expired unless work in the development has commenced within one (1) year of the approval or within a timc period agreed upon in writing by the City and the applicant Requests to extend approvals must be received before the expiration date.

4. A defect guarantcc, consisting of 10% of thc performance guarantee, must be posted before the performance guarantee will be released.

5 Prior to construction, a preconstruction meeting shall be held *nt* the project site with the contractor, development review coordinator, Public Work's representative and owner to rcvicw rhe construction schedulc and critical aspects of the site work. At that timc, the site/building contractor shall provide three (3) copies of a detailed construction schcdulc to the attending City representatives. It shall be the contractor's responsibility to arrange a mutually agrccablc time for the preconstruction meeting

6. If work will occur within the public right-of-way such as utilities, curb, sidewalk and driveway construction, a street opening permit(s) is required for your site. Plcasc contact Carol Merritt at 874-8300, ext 8828. (Only excavators licensed by the City of Portland are eligible.)

The Development Review Coordinator must be notified five (5) working days prior to date required for final site inspection. The Development Review Coordinator can bc rcachcd at thc Planning Department at 874-8632. Please make allowances for completion of sitc plan requirements determined to bc incomplctc or defective during the inspection This is essential as all sitc plan requirements must bc completed and approved by *the* Development Review Coordinator prior to issuance of a Certificate of Occupancy. Please schedule any property closing with these requirements in mind.

If there are any questions, please contact Richard Knowland at 874-8725.

Sincerely,

Jaimey Caron, Chair
Portland Planning Board

cc: Lee D. Urban, Planning and Development Department Director
Alexander Jaegerman, Planning Division Dircctor
Sarah Hopkins, Development Review Services Manager
Richard Knowland, Senior Planner
Jay Reynolds, Development Review Coordinator
Marge Schmuckal, Zoning Administrator
Karen Dunfey, Inspections
Michael Bobinsky, Public Works Director
Traffic Division
Tony Lombardo, Project Engineer
Eric Lebellc, City Engineer
Jeff Tarling, City Arborist
Penny Littell, Associatc Corporation Counsel
Lt Gaylen McDougall, Fire Prevention
Don Hall, Appraiscr, Assessor's Office
Frank Crabtree, Harriman *Associates,* One Auburn Park, Auburn ME 04210
Approval Letter File

Commercial Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Total Square Footage of Proposed Structure *33,439* sf (addition)	Square Footage of Lot *24* acres = *1,045,440* sf	
Tax Assessor's Chart, Block & Lot Chart# 156 Block# F Lot# *1 & 7*	Owner: Cheverus High School	Telephone: *774-6238*
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone Michael Komich, Business Mgr. Cheverus High School *267* Ocean Avenue Portland, ME *04103* 774 6238	cost Of Work: $ 4,540,000 Fee. *$40,881*

Current Specific use: Private High School

Gymnasium and locker room addition to existing academic building. New sprinkler system and fire alarm system being installed throughout new addition and existing building.

DEPT. OF BUILDING INSPECTION CITY OF PORTLAND, ME JUN 10 2004

Mailing address:

Please submit all of **the** information **outlined in the Residential** Application **Checklist.** Failure to do *so* **will result in the** automatic **denial of your** permit.

At the discretion of the Planning and Development Department, additional information may be required prior to permit approval For further information stop by the Building Inspections office, room 315 City Hall or call 874-8703

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work **and** that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: John A. McKeegan, SJ.	**Date:** June 9, *2004*

Permit Fee: $30 00 for the first $1000.00 construction Cost, $9.00 per additional $1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

Architects + Engineers

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn. Maine 04210

207.784.51 00 telephone
207.782.3017 fax
www.harrirnan.com

Building communities
since 1870

TRANSMITTAL

To CITY OF PORTLAND
PLANNING & DEVELOPMENT DEPT.
PORTLAND, ME 04101
Attention MIKE NUGENT

Date 6/10/04
Project name
Project number CHEVERUS HIGH SCHOOL
Re 02103
PLAN REVIEW/PERMIT

We are sending you the following items:

☑ Attached
☐ Under separate cover via

☐ Shop drawings ☑ Prints ☐ Requisitions
☐ Samples ☑ Specifications ☐ Copy of letter
☐ Change order ☐

Copies	Date	Drawing no.	Specs. sec. no.	Description
1	5/28/04			DRAWINGS - STAMPED & SIGNED
1	5/28/04			SPECIFICATIONS
1	-			CD - PDF FILES OF DWGS & SPECS
1	6/9/04			PERMIT APPLICATION
1	6/9/04			CHECK FOR PERMIT FEE
1	-	2 SHEETS		PRODUCT DATA - BALLFIELD NETTING

Transmitted for:

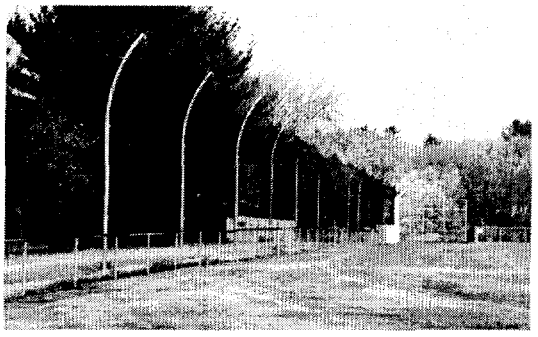
☐ Approval ☑ For use ☐ As requested
☐ Action as shown ☐ Review/comment ☐ Resubmission
☐ Other ☐ Prints returned after loan *to* us

Remarks

☑ Copy to
JPL
☑ Client
MIKE KOMICH
☐ BGS ☐ Clerk ☑ File

Signature Jeff Lawmen

If enclosures are *not* **as** shown, please notify us at once



AAE ORIGINAL

New! Multi-Sport BallStopper Systems

Enlarge Photo Drawings

If you have a field that is used by multiple sports, which is surrounded by parking lots, residential areas or steep embankments, then one of our Multi-Sport BallStopper Systems is just what you need. Our MBS is even useful for adjoining fields by preventing ball interference between simultaneous games or practices. Not only will you have more productive practices because you've eliminated the "ball retrieval missions" that waste precious practice time, but you will also reduce the chance that a misdirected ball may harm someone or something outside the perimeter of your field.

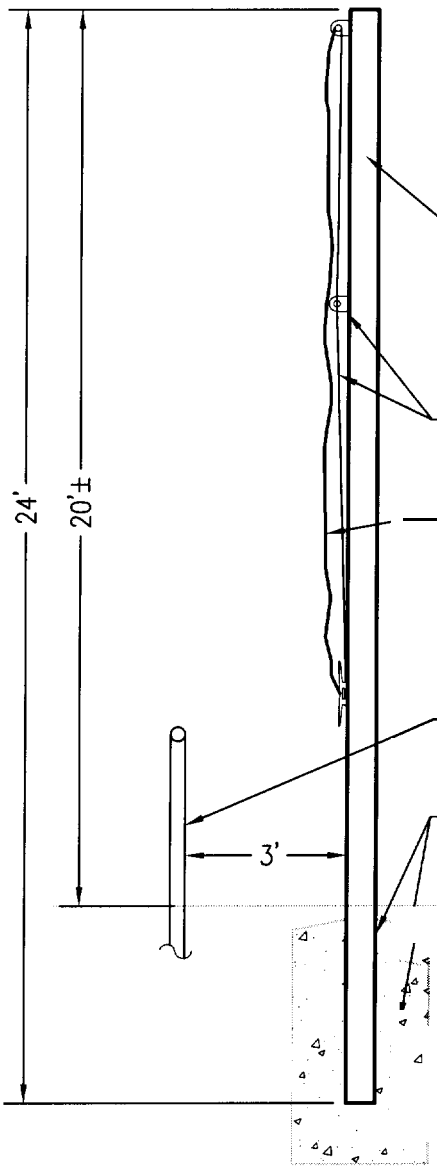
Model MBS is comprised of 4" diameter straight aluminum uprights installed into the provided ground sleeves. Each 24' upright (21' out of ground) features a pulley & cleat system that makes raising and lowering the netting a simple task. Synthetic treated netting (1-3/4" **sq.)** has a permanently attached coated galvanized steel cable across the top, which reduces "net sag".Bottom of netting can also be raised to allow lawn mowers access to the area for cutting.

The main advantages of our MBS-O offset model are: 1) uprights may be installed out of the field of play; 2) netting may be attached to existing fencing, reducing size and cost of net; **3)** eliminates ball contact with the uprights, preventing deflection. This design requires a deeper 40" ground sleeve for installation. **A** mill finish is standard for both models.

MBS (straight post model)
Qty: 0 **List Price: $50.00/linear foot**

MBS-O (offset post model)
Qty: 0 **$60.00/linear foot**

Add to Quote Tote View Quote Tote



ALUMINUM ATHLETIC EQUIPMENT (AAE) REMOVABLE POST

HALYARD LINE AND PULLEYS (TYP)

16' TALL BALLFIELD NETTING. TOP SUPPORTED BY CABLE, BOTTOM WIRE CLIPPED TO POLE. NET GRID SIZED TO STOP BASEBALLS AND LACROSSE BALLS

EXISTING WOOD FENCE

ALUMINUM SLEEVE AND CONCRETE BASE

NOTE:
AAE TO FURNISH NETTING, ALUMINUM POST AND APPURTENANCES. AAE, 4 PORTLAND ROAD, WEST CONSHOHOCKEN, PA 19428, TEL. 1–800–523–5471

BALLFIELD NET POLE DETAIL

NOT TO SCALE

B5

JUN 10

S E A M

Structural Engineering. Association of Maine

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: **Cheverus High School**
Phase 3 Additions and Renovations
Portland, Maine

PERMIT APPLICANT:
APPLICANT'S ADDRESS:

STRUCTURAL ENGINEER OF RECORD: **Harriman Associates**

ARCHITECT OF RECORD: **Harriman Associates**

CONTRACTOR:

This statement of Special Inspections is submitted in accordance with Section 1705.0 of the 1999 BOCA National Building Code. It includes a listing of special inspections applicable to this project, as well as the name of the Special Inspector, and the names of other agencies intended to be retained for conducting these inspections.

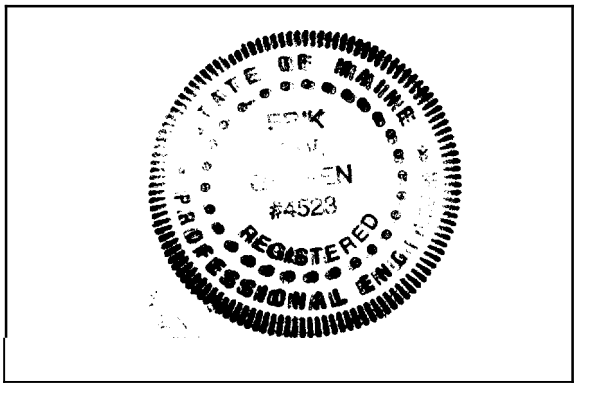
The Special Inspector shall keep records of all inspections listed herein, and shall furnish inspection reports to the Code Official and to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Code Official and to the Registered Design Professional of Record. Interim reports shall be submitted to the Code Official and the Registered Design Professional of Record monthly, unless more frequent submissions are requested by the Code Official.

Job site safety is solely the responsibility of the Contractor. Materials and activities to be inspected are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared By:

Erik Greven, P.E.
TYPED NAME

SIGNATURE DATE 6/4/04



Owner's Authorization:

SIGNATURE DATE

Applicant's Authorization
Building Code Official:

SIGNATURE DATE

SIGNATURE DATE

S E A M

Structural Engineering Association of Maine

LIST OF AGENTS

PROJECT: **Cheverus High School**
Phase 3 Additions and Renovations
Portland, Maine

STRUCTURAL ENGINEER OF RECORD: **Harriman Associates**
One Auburn Business Park
Auburn, Maine 04210

ARCHITECT OF RECORD: **Harriman Associates**
One Auburn Business Park
Auburn, Maine 04210

Following is the List of Agents selected for performance of Special Inspections for this project.

1.	Special Inspector	**Harriman Associates**
2.	Testing Laboratory	**To be determined by owner**
3.	Geotechnical Engineer	**To be determined by owner**

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.3 STEEL CONSTRUCTION	1.00							
Steel Fabrication		In-plant Review Part A—Fabrication procedures	N	Exempt	AISC Certified			
		Part B—Procedures implementation Review conformance to Part A	N	Exempt	AISC Certified			
		Review material certificates of compliance (Bolts, nuts, washers, structural steel, and weld filler material)	Y	All		1		
		Review Connections	Y	All		1		
Steel Erection		Review welder certification	Y	All		2		
		Review materials certificates of compliance (Bolts, nuts, washers, and weld filler material)	Y	All		1		
		Review primary steel connections	Y	All		2,1		
		Moment connections	Y	All		2,1		
		Shear Connections	Y	All		2,1		
		Bracing Connections	Y	All		2,1		
		Review welded column splices	N					
		Review base metal testing for "t" >1½"	N					
		Review secondary steel connections	Y	All		2,1		
		Girts	Y	All		2,1		
		Steel deck	Y	All		2		
		Lintels	Y	All		2		
		Review installation of shear studs	Y	All		2		
		Review Details/Steel Frame	Y	All		1		

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
Steel Joist and Joist Girder Fabrication		In-plant review Part A—Fabrication procedures	N					
		Part B—Procedures implementation Review conformance to Part A	N					
		Review material certificates of compliance (structural steel and weld filler material)	Y	ALL		1		
		Review connections	Y	ALL		1		
Steel Joist & Joist Girder Erection		Review welder certification	Y	ALL		2		
		Review joist bearing connections	Y	ALL		2		
		Review joist bearing length	Y	ALL		2		
		Review joist bridging	Y	ALL		2		

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.3 Special Inspector: _____ Date: _____

PROJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.4 CONCRETE CONSTRUCTION	2.00							
Concrete Materials		Review materials (ACI Chapter 3)	Y	All		1		
		Review mix design (ACI Chapter 4)	Y	All		1		
		Review reinforcing certification and weldability (ASTM A706) if required	Y	All		1		
Placing Reinforcements		Review condition and placement of reinforcing and prestressing steel (ACI 318 7.4-7.7)	Y	All		2,1		
Formwork		Review formwork (ACI 318 6.1)	N					
		Review form removal and reshoring (ACI 318 5.6)	N					
Concrete Operations		Review concrete strength test (ACI 318 5.6)	Y	All		2,1		
		Review mix proportions and techniques (ACI 318 5.2, 5.3, 5.4, & 5.8)	Y	All		2		
		Review concrete placement (ACI 318 5.9 & 5.10)	Y	All		2		
		Review curing technique and temperature (ACI 318 5.11, 5.12, & 5.13)	Y	All		2,1		
Prestressing Operations		Review application of prestressing force (ACI 318 18.18)	N					
		Review grouting of bonded prestressing tendons in Cat. "C" seismic-resisting systems.	N					
Precast Manufacturing		In-plan review Part A—Fabrication procedures	N					
		Part B—Procedures implementation Review conformance to Part A	N					
Erection of Precast Concrete		Review erection of precast units	N					
		Review key reinforcement	N					
		Review key grouting	N					
		Review concrete topping	N					
		Review connections	N					

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.4 Special Inspector: _____ Date: _____

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.5 MASONRY CONSTRUCTION	3.00							
Materials		Review materials certification Masonry units Reinforcing steel	Y	All		1		
		Review grout materials and mix design	Y	All		1		
		Review mortar materials and mix design	Y	All		1		
		Review strength determination Unit strength method. Review unit strengths and grout, mortar mixes	Y	All		1		
		Prism strength method. Review pre-construction test results. Field tests during construction	Y	All		2,1		
		Grout testing Determine compressive strength	Y	All		2		
		Mortar testing Field test compressive strength ASTM C780 (Reqd only if property reqs of ASTM C270 are used).	Y	All		2		
General Masonry Work		Review mortar mix proportions and mixing (ACI 530.1; 2.3.2.5)	Y	All		2		
		Review grout mix proportions and mixing (ACI 530.1;4.2.2)	Y	All		2		
		Review general installation of mortar, grout, masonry units. (ACI 530.1; 2.3.3.3, 4.3.3)	Y	All		2		
		Review installation of horiz., vert., and joint reinforcing (incl. Location, sizes, splices, and positioning devices) (ACI 530, Ch. 8)	Y	All		2		
		Review hot/cold weather procedures (ACI 530.1; 2.3.2.2, 2.3.2.3)	Y	All		1		
		Review installation of anchorage devices (ACI 530; 4.2, 5.14)	Y	All		2		
		Review installation of lintels	Y	All		2,1		
		Review welding of reinf., grouting, consolidation and reconsolidation for seismic Cat. "C" buildings	N					

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.5 Special Inspector: _____ Date: _____

SCHEDULE OF SPECIAL INSPECTION SERVICES

:OJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
05.6 WOOD CONSTRUCTION	4.00							
ood Truss Fabrication		In-plant Review Part A—Fabrication procedures	N					
		Part B—Procedures implementation Review conformance to Part A	N					
		Review member arrangement	N					
		Check for TPI Stamp	N					
/ood Truss Materials		Review lumber Wood species Grade stamps Moisture content	N					
		Review connector plates Size Gauge Orientation Location Fit	N					
Wood Truss Erection		Review storage at site	N					
		Review permanent bracing	N					
		Review field connections	N					
Glulam Fabrication		In-plant Review Part A—Fabrication procedures	N					
		Part B—Procedures implementation Review conformance to Part A	N					
Glulam Materials		Review wood species and grade	N					
Glulam and Solid Timber Erection		Review Connections	N					
		Bolted Connections						
		Connection fittings						
Seismic-Resisting System (Seis. Perf. Cat. "C")		Review seismic connections Nailed Connections Bolted Connections Structural glued connections Other seismic fasteners	N					

Date: _____

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT:

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.7 PREPARED FILL	5.00							
Site Preparation		Review site preparation prior to prepared fill placement	Y	ALL	SEE DWG. S10.1 FOR ALL REQUIREMENTS	3		
During Fill Placement		Review compliance to soils report Materials	Y	ALL		3		
		Lift thickness	Y	ALL		3		
Evaluation of in-Place Density		Review in-place dry density for compliance with soils report	Y	ALL		2		

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.7 Special Inspector: _____ Date: _____

IN

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.8 PILE FOUNDATIONS	6.00							
Pile Fabrication		In-plant review Part A—Fabrication procedures	N					
		Part B—Procedures implementations Review conformance to Part A	N					
Pile Driving		Review pile driving records	N					
		Review load test results	N					
		Review pile driving equipment & procedure	N					
Pile Materials		Review accessories	N					
		Pile tip assembly	N					
		Pile splice assembly	N					
		Rock anchors	N					
		Tendons	N					
		Review steel piles	N					
		Material identification markings	N					
		Inspection of corrosion protection	N					
		Review timer piles	N					
		Wood species	N					
		Butt or tip diameter	N					
		Grade stamps/markings/treatment	N					
		Review other pile systems	N					
Prestressed Concrete Piles		See "Precast Concrete"	N					

All Steel Construction Special Inspections have been completed in accordance with BOCA Section 1705.8 Special Inspector: _____ Date: _____

MATERIAL/ACTIVITY	ITEM	SERVICE	APPLICABLE TO THIS PROJECT					
			Y/N	EXTENT (All, Sample, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1705.12 SPECIAL CASES	7.00							

All Special Case Inspections have been completed in accordance with BOCA Section 1705.12 Special Inspector: _____ Date: _____

CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: HARRIMAN ASSOCIATES

RE: Certificate of Design

DATE: 6/10/04

These plans and / or specifications covering construction work on:

CHEVERUS HIGH SCHOOL - ADDITIONS & RENOVATIONS

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the ***BOCA National Building Code / 1999 (Fourteenth Edition)*** and local amendments.

(SEAL)

REGISTERED ARCHITECT
JEFFREY P. LARIMER
No. 1806
STATE OF MAINE

Signature: Jeffrey P. Larimer

Title: ARCHITECT

Firm: HARRIMAN ASSOCIATES

Address: ONE AUBURN BUSINESS PARK
AUBURN, ME 04210

As per Maine State Law:

$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

156 F 001

NOTICE OF INTENT TO COMPLY WITH MAINE CONSTRUCTION GENERAL PERMIT

Name of Applicant:	John W. Keegan		Name of Owner or Lessee:	Cheverus High School	
Mailing Address:	Cheverus High School 267 Ocean Avenue		Town/City:	Portland	
State: ME	Zip Code: 04103	Daytime phone: (with area code)	(207) 774-6238	Email if available:	
Project Location: (Town/City):	Portland	UTM Northing: (if known)		UTM Easting: (if known)	
Map#:	156	Lot #:	F1 & F7	Size of disturbed / proposed:	
Creating a common plan of development or sale?	Yes	No X	Part of a larger project?	Yes X	No
		/			
If so, give name:	NO				
Detailed directions to site, including address if available:	Washington Ave. south, right on Ocean Ave., 1/2 mile on left				
Description of project and its purpose:	Construction of approximately 34,000 sq.ft. gymnasium building addition to the high school, adjacent sitework, minor drives and walks.				

I am filing notice of my intent to carry out work which meets the requirements of the Construction General Permit (effective 2/17/03). I have a copy of the Construction General Permit. I have read and will comply with all of the standards. I have attached all the required submittals. *Notification forms cannot be accepted without the necessary attachments.*

- ☒ ALL: A check for $100 (non-refundable) made payable to: "Treasurer, State of Maine" if ESC plan is attached for review. Otherwise, check for $75.
- ☒ ALL: A U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ☒ ALL: Drawing of the proposed activity (site plan)
- ☐ IF this form is not being signed by the landowner or lessee of the property, attach documentation showing authorization to sign.
- ☐ IF disturbed area drains to an Impaired Waterbody (C), attach an ESC plan.
- ☐ IF disturbed area drains to any other waterbody and is 3 or more acres, EITHER (1) attach an ESC plan OR (2) include a statement (letter) that an ESC plan has been certified and by whom, from the person who certified the plan.
- ☐ IF any construction activity will occur in essential habitat, attach written approval from the Dept. of Inland Fisheries & Wildlife.

I authorize staff of the Departments of Environmental Protection to access the project site for the purpose of determining compliance with the general permit. I also understand that ***this permit is not valid until approved by the Department or 14 days after receipt by the Department, whichever is less.***

Signature of Applicant:	John W Keegan II	Date:	May 21, 2004

OFFICE USE ONLY	Ck.# 151199		Staff	Staff	
NOI			Acc. Date 6/7/04	Def.	After

From: "Jeffrey P. Larimer" <jlarimer@harriman.com>
To: Mike Nugent <MJN@portlandmaine.gov>
Date: 07/20/2004 4:31:49 PM
Subject: Re: Cheverus - Code Comments

Mike,
The wire mesh for the guardrails is available in a 1" square mesh. Depending on cost, I would agree to change our detail for the guardrails to either the 1" square mesh or the pickets at 4" oc to match the detail of the exterior guardrails.

Also, can you give me an update on the status of the permit? Langford and Low would like to get started and is ready to pull the permit. Please let me know if you have any other questions or comments.

--

Jeffrey P. Larimer, AIA, CSI
Associate
Harriman Associates
Architects + Engineers
One Auburn Business Park
Auburn, ME 04210
207.784.5100 tel
207.782.3017 fax

Building communities since 1870
www.harriman.com

CC: Ken Rand <krand@harriman.com>, file <file@harriman.com>

Architects + Engineers

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5 100 telephone
207.782.3017 fax
www.harriman.com

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TRANSMITTAL

To
CITY OF PORTLAND
389 CONGRESS STREET
CITY HALL ROOM 315
PORTLAND, ME 04101

Date
7/8/04

Project name
CHEVERUS HIGH SCHOOL

Project number
02103

Attention
MIKE NUGENT

Re
BUILDING PERMIT

We are sending you the following items:

☑ Attached
☐ Under separate cover via _____

☐ Shop drawings ☐ Prints ☐ Requisitions
☐ Samples ☐ Specifications ☐ Copy of letter
☐ Change order ☐

Copies	Date	Drawing no.	Specs. sec. no.	Description
1	8/6/03			GEOTECH REPORT - S.W. COLE
7 SETS	5/28/04			FINAL SITE PLANS
1	5/28/04			CD OF SITE PLANS IN DXF FORMAT
1	10/22/03			COPY OF PLANNING BOARD LETTER

Transmitted for:

☐ Approval ☑ For use ☐ As requested
☐ Action as shown ☐ Review/comment ☐ Resubmission
☐ Other ☐ Prints returned after loan to us

Remarks
GEOTECH REPORT IS FOR YOUR FILES AS REQUESTED.
THE 7 SETS OF PLANS & CD ARE BEING SUBMITTED PER CONDITION OF PLANNING BOARD APPROVAL.

☑ Copy to
JPL, FLC, KR
☑ Client
MICHAEL KOMICH
☐ BGS ☐ Clerk ☑ File

Signature
Jeff Larrimee

If enclosures are not as shown, please notify **us** at once

Architects + Engineers

HARRIMAN ASSOCIATES

One Auburn Business Park
Auburn, Maine 04210

207.784.5100 telephone
207.782.3017 fax
www.harriman.com

TRANSMITTAL

Building communities since 1870

To
CITY OF PORTLAND
389 CONGRESS STREET
CITY HALL ROOM 315
PORTLAND, ME 04101

Attention
MIKE NUGENT

Date
6/11/04

Project name
CHEVERUS HIGH SCHOOL

Project number
02103

Re
CERTIFICATES

We are sending you the following items:

- ☑ Attached
- ☐ Under separate cover via _
- ☐ Shop drawings
- ☐ Samples
- ☐ Change order
- ☐ Prints
- ☐ Specifications
- ☐ _ __
- ☐ Requisitions
- ☐ Copy of letter

Copies	Date	Drawing no.	Specs. sec. no.	Description
1 EA		1 PAGE		CERTIFICATE OF DESIGN
		1 PAGE		ACCESSIBILITY CERTIFICATE
		1 PAGE		STRUCTURAL INFORMATION
		10 PAGES		STATEMENT OF SPECIAL INSPECTIONS

Transmitted for:

- ☐ Approval
- ☐ For use
- ☐ As requested
- ☐ Action as shown
- ☐ Review/comment
- ☐ Resubmission
- ☐ Other
- ☐ Prints returned after loan to us

Remarks

ORIGINALS OF DOCUMENTS FAXED ON 6/11/04

- ☑ Copy to
  JPL
- ☑ Client
  MIKE KOMICH W/ ENCLOSURES
- ☐ BGS ☐ Clerk ☑ File

Signature Jeff Larrimee

If enclosures are not as shown, please notify us at once

From: Mike Nugent
To: "jlarimer@harriman.com".gwgwia.Portland
Date: 07/14/2004 2:21:08 PM
Subject: Cheverus - Initial questions/Comments

First, the facade on the building in Auburn is amazing!

The following are my initial questions/comments:

1) Please review Section 707.6, The firewall continuity (parapet) is less than 2'8", please comment.

2) The unassigned area in the locker area looks like a classroom for viewing game film etc. Can we assign this space something for the purpose of code compliance?

3) Please indicate the potential occupant load for the "basement" area and the rational for your determination. There is limited egress capability based on Table 1009.2 because there is only 72" of actual egress width.

4) I assume the gym will be used for general assembly functions. What is the potential occupant load in this scenario and what occupancy did you use in Table 1008.1.2.?

5) Sheet A.35..2 - No Riser dimensions **(C2** or **C4)**
A.4 no intermediate rail shown please see Section **1014.7**
D1 The Ornamental Pattern for the guard is a "ladder"
6) Guards are not shown on the North East exterior stairs

7) It is unclear from the "S" series of drawings that the S.W. Cole report was used in the foundation plan and also It looks like there will by pilings. Please provide information establishing compliance with Section **1816.**

8) The Statement of Special Inspections is incomplete. Sections **1705.1.1** requires that a list of individuals, agencies or firms conducting the inspections be provided.

9) In the Spec Book , section **07811**, Sprayed Fire- resistive materials are to be used, Please include an assigned special inspector for this (Please see Section **1705.12.)**

I have not completed my review, but I'm well into it at this point.

CC: "file@harriman.com".gwgwia.Portland; "krand@harriman.com".gwgwia.Portland

7. It is unclear from the "S" series of drawings that the S.W. Cole report was used in the foundation plan and also it looks like there will by pilings. Please provide information establishing compliance with Section 1816. *The S.W. Colegeotechnical report information will be added to the drawing notes. There are no piles on current footprint of the building. The piles referenced in the report were for a portion of the original design that has been deleted.*

8. The Statement of Special Inspections is incomplete. Sections 1705.1.1 requires that a list of individuals, agencies or firms conducting the inspections be provided. *The testing agency has not been determined. The Owner will be hiring the testing agency, possibly S. W. Cole, and will provide you with that information as soon as it is known.*

9. In the Spec Book, section 07811, Sprayed Fire- resistive materials are to be used, Please include an assigned special inspector for this (Please see Section 1705.12.). *Special Inspection of the sprayed-on fireproofing will be included.*

Cheverus High School 7/22/2004
Phase 3 Addition & Renovations
Project No. 02103

Responses to initial comments of July 14,2004 from Mike Nugent:

1. Please review Section 707.6, the firewall continuity (parapet) is less than 2'-8", please comment. *Both the existing and new roofs are ofnon-combustible construction therefore 707.6.1 applies and the parapet extension is not required.*

2. The unassigned area in the locker area looks like a classroom for viewing game film etc. Can we assign this space something for the purpose of code compliance? *The unassigned space is intended to be used as an athletic classroom. As shown, the area ofthe room is 600 sf with an occupancy of nogreater than 30 persons (600 sf ÷ 20 sf/person = 30 persons).*

3. Please indicate the potential occupant load for the "basement" area and the rational for your determination. There is limited egress capability based on Table 1009.2 because there is only 72" of actual egress width. *72" of egress width would translate into a maximum occupancy load of 480 persons. The actual occupancy load would be considerably below that number. As stated above, the maximum capacity ofthe classroom would be 30 while the capacity of each locker room would be limited to one team sport at any one time that could be anywherefrom 15 to a maximum of 85 personsfor men or 45 personsfor women. The running track isfor indoorpractice onlyfor about 10 to 20 at any one time. The training room would have a capacity of no more than 8 to 10 persons. Therefore, if all areas were occupied at the same time, the total capacity ofthe lower level would be about 190 persons, which is less than the maximum allowable occupant load based on egress width.*

4. I assume the gym will be used for general assembly functions. What is the potential occupant load in this scenario and what occupancy did you use in Table 1008.1.2? *Based on bleacher seating only (18 "perperson), the occupancy would be 1,000 persons. If the gymnasium is usedfor an assembly withfolding chairs on the gymfloor, then the occupancy would be 1,600 persons (1,000 for the bleachers and a maximum of600 infolding chairs in the area ofthe basketball court (4,200 sf ÷ 7sf/person = 600). The egress width required for 1,600 occupants is 240", while 504" of egress width has beenprovided. 144" of egress width has beenprovided at the main entrance, which provides egress widthfor more than half the occupancy (144" ÷ .15"/person = 960 persons).*

5. Sheet A.35.2 - No Riser dimensions (C2 or C4). *The details on Sheet A35.2 are typical details only and do not include riser dimensions as this will vary depending on the particular overall rise. In no case do the individual risers exceed the maximum 7" per code. Referring to stair sections B1 and B3 on Sheet A35.1, the overall rise divided by the number of risers shown would provide a riser of6 ¾".*
   a. A4: No intermediate rail shown please see Section 1014.7. *Detail A4/A35.2 is for the exterior stairs shown on Sheet C20.1, Site Layout Plan, which did show the intermediate rail. Detail A4/A35.2 will be revised to add the intermediate rail.*
   b. D1: The Ornamental Pattern for the guard is a "ladder". *The ornamental pattern is a wire mesh with vertical and horizontal wires, not bars, at 2" on center, which would not be considered a "ladder".*

6. Guards are not shown on the North East exterior stairs. *If this refers to the exterior stairs exitingfrom the building, all the stairs are shown with combination guardrails/handrails. If this refers to the exterior stairs between the two buildings,guards are not required because the gradefollows the slope ofthe stairs and the difference between the stairs and grade is less than 15 ½".*

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HARRIMAN ASSOCIATES

One Auburn *Business* Park
Auburn. Maine 04210

207.784.5100 telephone
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FAX COVER SHEET

To: Mike Nugent

Date: July 26, 2004

From: Greg Cuetara

Project: Cheverus High school

Project Number: 02103

Fax Number: 207-874-8716

Number of Pages [Including Cover Sheet]: 3

Instructions / Notes

Mike,

Please find attached a letter from S.W. Cole showing our *compliance* with their geotechnical report.

I have also attached my email to Paul Kohler at S.W. Cole.

Please call if you have any questions.

Greg Cuetara

gpcue

JUL 26

S.W.COLE ENGINEERING, INC.

Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

02-0152.1
July 26, 2004

Harriman Associates
Attention; Greg Cuetara
One Auburn Business Park
Auburn, Maine 04210

Subject: Supplemental Geotechnical Engineering Services
Response to e-mail
Proposed Gymnasium
Cheverus High School
Portland, Me

Dear Greg?

Based on our telephone conversation and your e-mail dated July 26, 2004. We understand that the *original* proposed construction has been scaled back to include only the gymnasium portion of the addition. Although we do not have copies of plans and specifications at this time, we understand that all footings for the proposed addition will be supported by the underlying bedrock. Removal of overburden soils to expose sound bedrock and bedrock removal in certain areas will be needed.

As discussed in our soils report dated August 6, 2003, WE recommend *that* footings deriving bedrock support be underlain by *6'* inches *of* compacted choke stone and be designed considering a net allowable bearing capacity of 5.0 ksf or less. Also discussed in our report is the use of a concrete leveling pad in lieu of the choke stone. It is our opinion that *either* compacted choke stone or concrete leveling pad can be utilized. Both the choke stone and concrete leveling pad options require removal of loose soil and rock prior to placement. Regardless, S. W. COLE ENGINEERING. INC. should be on-site to observe all subgrades prior to placement of compacted fills or concrete.

Sincerely,
S. W. COLE ENGINEERING, INC

Paul F. Kohler, P.E.

PFK cae
C: Michael Komich – Cheverus High School

GRAY, ME OFFICE
286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • E-Mail infogray@swcole.com • www.swcole.com
Other offices in Augusta, Bangor, and Caribou, Maine & Somersworth, New Hampshire

Cheverus HS Geotechnical Report

Subject: Cheverus HS Geotechnica Report
From: Greg Cuetara <gcuetara@harriman.com>
Date: Mon, 26 Jul 2004 09:50:11 -0400
To: pkohler@swcole.com

Paul,

I have received a question from the Building Inspector on my compliance with your geotechnical report on Cheverus HS (Report # 02-0152 dated August 6, 2003)

Under section 4.4 Foundation Design (Page 8) I have designed all foundations using the initial recommendations of: Net Allowable Bearing Pressure = 5 ksf (6" maximum lift of compacted choke stone on sound bedrock).
On Page 9 there are some options for foundation support to consider. These include, Foundations cast on a concrete leveling mat placed directly on a clean bedrock surface, Driven H-Piling, and Mini-Piles. Under the original design with no basement under the gym and the cafeteria there was a significant distance down to reach bedrock and therefore these other options were to be considered. The design as it is currently has a basement in the gym area and the cafeteria is not in the design. Therefore there is not much excavation down to sound bedrock and the original design of footings on choke stone was used.

Please verify that the design using a Net Allowable Bearing Pressure = 5 ksf (6" maximum lift of compacted choke stone on sound bedrock) is a recommended option for foundation design.

Thank you for your time,

Greg Cuetara

--

Greg **Cuetara**
Design **Engineer**
Harriman Associates
Architects + Engineers
One Auburn Business Park
Auburn, ME 04210
207.784.5100 tel
207.782.3017 **fax**

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