

WAYLAND HIGH SCHOOL PRELIMINARY DESIGN REPORT

GOAL SETTING OVERVIEW

The HSBC reviewed the charge they had been given by the Wayland School Committee and the specific goals for the project the WSC had presented. The HSBC then prepared an additional list of project objectives on issues from education and student life to environmental responsibility and financial responsibility. The final goals were as follows:

1. DEFINITION OF SCHOOL COMMITTEE CHARGE TO HSBC

1.1. DETERMINE MOST COST EFFICIENT SOLUTION NECESSARY

- To be driven by WHS educational needs, bench-marked to comparable high schools and appropriate best practices
- Consider initial capital cost to reduce long term operating costs.

1.2. HOUSE ITS CURRENT AND FUTURE STUDENT POPULATION

- Design capacity for 1100 students at 85% utilization
- Plan core facilities (auditorium, cafeteria, library, and gymnasium) for 1200 students
- Plan locations for future expansion of teaching and support spaces

1.3. INSTRUCTIONAL SPACE (AND RELATED AREAS) FOR EDUCATIONAL PROGRAMS OF HIGHEST QUALITY NOW AND INTO FORESEEABLE FUTURE

- Emphasize quality of learning environment
- Support an educational program of the highest quality
- Provide all necessary support space
- Design in flexibility to accommodate future educational changes
- Provide for universal access to technology

1.4. DEVELOP A SCHEMATIC DESIGN TO PROVIDE ADEQUATE ESTIMATE OF TOTAL PROJECT COST FOR ARCHITECTURAL DRAWINGS, CONSTRUCTION AND FURNISHING

- Include construction cost, A/E fees, and all other project-related costs
- Cost projections to include time-value of money analysis
- Cost analysis to include life cycle cost benefit

2. HIGH SCHOOL BUILDING COMMITTEE'S PROJECT OBJECTIVES

In addition to the School Committee' charge, the HSBC has agreed on the following objectives for the initial design phase.

2.1. EDUCATION

- Expand classrooms sizes to meet current space standards
- Provide additional classrooms for optimal scheduling and utilization
- Upgrade science facilities
- Enhance cafeteria, athletics and performing and fine arts facilities
- Provide computer access in all teaching spaces and library and for all administrative functions
- Meet SBA planning standards, except as otherwise dictated by WHS program

2.2. TEACHING AND SUPPORT

- Adequate space for faculty workspace, meetings and conferences
- Plan adequate departmental centers with workspace, office support and resource space
- Plan adequate storage space for teachers, staff and general use

WAYLAND HIGH SCHOOL

PRELIMINARY DESIGN REPORT

2.3. STUDENT LIFE

- Provide unprogrammed space for informal social and academic encounters among students and faculty, both interior and exterior.
- Adequate space for activities such as student newspaper, yearbook, clubs, etc.
- Plan adequate spaces for student support: guidance, College Counseling, health, study and collaborative work space
- Provide appropriate, convenient and secure facilities for student storage
- Provide for display of student work and achievement

2.4. COMMUNITY

- Must be education-driven with additional community use or separately funded
- Plan location for community pool, but do not include in WHS project cost
- Consider emergency shelter with additional \$46K funding
- Consider community uses in vacated existing buildings, including WPS central office, but funded separately from the WHS project cost

2.5. ENVIRONMENTAL RESPONSIBILITY

- Optimize interior environmental quality for IAQ and educational performance
- Incorporate green design measures that enhance educational performance or curriculum
- Consider green design measures that produce positive payback on operational costs or that capture additional funding
- Consider other green design measures that are environmentally responsible at an acceptable cost

2.6. FINANCIAL RESPONSIBILITY

- Wherever possible, provide comparative cost data for major programmatic and building decisions
- Consider shared-use spaces and other means to provide flexibility and reduce space costs
- Design proposals to be based on materials and systems that have proven durability in similar HS construction
- Optimize for long term operational savings over low initial cost

2.7. OPERATIONAL

- Provide air conditioning for interior and administrative spaces
- Consider AC in all year-round spaces and include as an alternate cost
- Where feasible, plan building systems for future expansion
- Design systems and select materials for maintenance efficiency

2.8. CHARACTER AND APPEARANCE OF HIGH SCHOOL FACILITY

- Strong preference to maintain the feel of the open campus
- Multi-building campus must be as energy efficient as possible
- Design for improved access security and effective response to an emergency condition

2.9. DESIGN AND CONSTRUCTION

- Plan for year-round use of school but not for year-round educational program
- Core academic, support space, athletics and other school uses are all of equal priority except as determined by different reconstruction options
- Address code compliance throughout buildings and site
- Plan for single-contract project phased to accommodate on-going programs with minimal disruption and impact on programs, students and staff.

2.10 HIGH SCHOOL SITE

- Investigate an alternative entrance to the campus to solve traffic problems
- Consider artificial turf to expand use of limited play fields
- Improve visibility of entrance and wayfinding on campus
- Improve vehicular circulation and parking on campus