



Meeting Notes

Project: MSAD 75 High School

Date: April 29, 2015

Attendees: MSAD 75 Building Committee
 Lyndon Keck, PDT Architects
 Alan Kuniholm, PDT Architects
 Allison Zuchman, PDT Architects
 Abigail Cram, PDT Architects
 Kathy Kahill, PDT Architects
 Joe Laverriere, FST

Purpose: Project Update & Green Schools Presentation Part 1

Topic	Agenda/Notes	Action
<p>Communication Protocol</p>	<ol style="list-style-type: none"> 1. Ryan Palmer – Technology integrator presented Google Drive which will be used for posting all meeting notes, agendas, and scheduling communication 2. As of May 18, MSAD 75 will be using gmail for email accounts and group notifications can be set up when new items are uploaded. 3. Ryan can be reached at palmerr@link75.org 4. Project website is accessible via link on all school websites and the district website. 5. A comment section has been added to the project website 6. A facebook page will not be created for the project. 7. PDT has created a flyer to be used for distribution at upcoming public events to notify and invite the public to the project website and public visioning meetings. <ul style="list-style-type: none"> - Ryan Palmer will see if the link address can be shortened so that the direct link to the project website can be included on the flyer - Brad Smith will present to the School Board prior to distribution - Donna will make sure all the school principals receive the flyer to include in newsletters that are sent home to parents 8. Public Visioning Meetings: <ul style="list-style-type: none"> - May 19, 5:30 – 7pm - June 4, 7:00 – 8:30pm - Donna will offer tours of the high school as part of these meetings - In October, meetings will be held in each of the four communities for design conversations – we will know by then if it will be a new building or renovation of the existing building - Suggestion to film the public meetings and post to the project website - Suggestion to have the students film the existing school to be posted to the website. Donna has some students in mind and will reach out to them. 	



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	<ul style="list-style-type: none"> - Discussed the need to invite selectmen from each community as well as additional stakeholders. Building Committee team to help identify these people and contact them directly. - PDT will set up a starter stakeholder list in Google Drive for Building Committee members to add to. 	
Subcommittees	<ol style="list-style-type: none"> 9. Briefly revisited discussion of subcommittees. PDT reminded members not to create subcommittees that will, in turn, make more work for everyone. But to think about what tasks could be delegated (eg. communication and public outreach, .) 10. Further discussion and decisions required 	
Green Schools Agenda	<ol style="list-style-type: none"> 11. Definition of a green school 12. Green schools design criteria <ol style="list-style-type: none"> a. Sustainable Sites b. Water Efficiency c. Innovation 13. Priorities for Mt. Ararat 	
Priorities	<p>Sustainable Sites</p> <ol style="list-style-type: none"> 1. Outdoor space for education 2. Making school more accessible to the communities for added connectivity 3. Space for community events and uses 4. Utilize natural resources to our advantage 5. Incorporating existing landscape and geography for education 6. Edible landscape 7. Thoughtful about traffic impact 8. Native plants, non-invasive 9. Maintain current levels of open space 10. Greenhouses 11. Inner courtyards, daylighting and educational space 12. LED lighting 13. Shared community spaces 14. Green roof, integrated into classroom 15. Low maintenance landscaping 16. Protect the natural habitat that we have 	
Priorities	<p>Water Efficiency</p> <ol style="list-style-type: none"> 1. Reuse rainwater 2. Process water efficiency 3. Sensors 4. Waterless urinals 5. Interior water use reduction 6. Reduced potable water use 	



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	7. Opportunities for teaching 8. Greywater reuse 9. Sub-metering 10. Energy dashboard	
Priorities	Innovation 1. Digital display 2. Net zero challenge 3. School as a teaching tool 4. Energy management system 5. Commissioning 6. More recycling 7. Active signage 8. Seeing things work, i.e. windows into mechanical rooms 9. Passive House 10. Areas for technical education	
Additional notes from notecards	Sustainable Sites (check marks ✓ indicate ideas that were mentioned more than once) 1. Use of outdoor areas for learning, outdoor classrooms with natural features (interior/exterior connection) ✓✓✓✓✓ 2. Shared spaces with community ✓✓✓✓✓ (separate space, adult education) 3. Community connectivity ✓✓✓ 4. Use of special lights to prevent light pollution 5. Include space for bikes and other transportation 6. Topsham is central to MSAD 75 7. Site is a campus 8. Site drains very well 9. Oil/water separator needed for roads. Runoff goes to Catance River 10. Predominate wind driven rain from S/SE 11. Inner courtyard, natural light to interior rooms ✓✓ 12. Protect and enhance natural habitat, green space, and open space ✓✓✓ 13. Onsite stormwater storage and reuse ✓✓ 14. Use previously developed site 15. Fuel efficiency vehicle parking 16. Green roof 17. Bikes racks and bike lanes 18. Hiking trails 19. Low maintenance landscape. Little lawn area. 20. LED lighting 21. Integrate natural area of the campus with the school 22. Native plants, no irrigation, non-invasive 23. Maintain current level of open space	



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	24. Minimize utility costs 25. Greenhouses 26. Green roof ✓✓ 27. Stormwater management in usable fashion 28. Flow and use patterns including traffic, walking mix with major centers 29. Low environmental impact - ocean, river, bay 30. Sun and light 31. Edible landscape 32. Natural filtration that can double as space to congregate and study 33. Make the best use of the land in a way that does not harm the environment 34. Utilize natural resources to our advantage. 35. Collect run-off and rainwater to reuse 36. Accessible and usable to our community. Take pride in our school.	
Additional notes from notecards	Water Efficiency (check marks ✓ indicate ideas that were mentioned more than once) 1. More efficient use of water, reduce water use, low water use in building ✓✓✓✓✓ 2. Promote use of water bottles as opposed to bottled water 3. Systems for measuring in multiple zones 4. Water reuse and rainwater collection for irrigation (and on fields) ✓✓✓✓✓✓✓✓✓✓ (and toilet flushing, greywater system)✓✓ 5. Artificial turf 6. Energy dashboard to collect and report meter data 7. Measuring water use throughout the building. ✓✓ Using that information, trial and error, adjust over time. Can't manage what you don't measure. 8. Water less urinals, low flow fixtures. Metered faucets. Low flow water devices must be designed for low flow not retrofitted. Leaks if not designed right. ✓✓✓✓✓✓✓✓ 9. Local plants 10. Reduce process water use 11. Water bottle filling stations, use refillable water bottles ✓✓ 12. Minimize use of paid for water resources 13. Multi-use constructed wetlands	
Additional notes from notecards	Innovation (check marks ✓ indicate ideas that were mentioned more than once) 1. Green facilities management plan 2. Greenhouse/garden for food to be used at the school ✓✓ 3. Energy management system to better control energy use (access available off-site). Software available for tracking energy use. ✓✓ 4. Energy meters throughout building 5. Energy dashboard ✓✓ 6. Recycling 7. Using nature to teach	



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	<ul style="list-style-type: none"> 8. Experiential learning. Use of building features and outdoor spaces to engage students in learning. Building systems for educational opportunity. Use facilities HVAC, electricity, water, solar, etc. as learning tool. Window into mechanical areas (see Maine State Museum in Augusta) ✓✓✓✓✓✓✓✓ 9. Teaching – exploring, predicting, updating. 10. Green signage for educational opportunities (community spaces, walking path/tour inside and outside ✓✓✓✓ 11. Awareness 12. Configure building for net zero future ✓✓ 13. No utility bills. Passive house school. 14. Elimination of plastic disposable items (bags, cutlery, milk containers) 15. Increase the school as a community center, shared spaces 16. Use natural resource areas 17. Design great building accepted by the community 18. Bottle refilling station that tells how many bottles saved ✓✓ 19. Recycling practices. Lunch – recycle vs. trash. Composting. ✓✓✓ 20. New ideas for dedicated community spaces 21. Green cleaning policy 22. Something for everyone 23. Commissioning, periodic assessment and tuning 24. Constructed wetlands 25. UV filtering of air and water 26. Heat chimney / operable window combination as alternative to forced ventilation 	