MEMORIAL FIELD DESIGN REVIEW 2010_1019

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<u>Palumbo</u> Skibinski Architects Engineers Interior Designers

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STUDY PROCESS



Memorial Field Master Plan Study Process

Step One of the process was to facilitate a design Charette to collect input from the State College

community and give interested parties a chance to voice their opinion and help determine the project goals. On Monday evening, June 7, 2010, the Design Team along with the SCASD conducted a Charette to discuss the need and desires of the community with regard to the Memorial Field project.

Throughout the course of the Charette, those present were formed into 5 different groups to discuss issues surrounding the project. Groups consisted of community members, parents, former and current students and athletes, and local business stakeholders.

Participant groups were presented with an aerial photographic plan of Memorial Field and its surrounding neighborhood context.

- First, Participant Groups were asked to place green dots on the plan to mark areas of Memorial Field that they thought were very positive.
- Second, Participant Groups were given a second copy of the same plan and asked to place red dots indicating areas that they perceived to be negative and
- in need of remedial work.
 - _ Third, Participant Groups were asked to place a blue dot on another copy
 - representing areas where they thought opportunities for improvement existe

After the Charette process, these plans were collected and digitally overlaid on each other consolidating all of the dot exercise information. There are 3 individual images here showing the positives, negatives and opportunities and a fourth image showing an overlay of all the images. The results of the dot exercise indicate that there are very strong feelings tied to Memorial Field, both in its own right and as a fixture in State College. There is much to love about it and much in need of renovation. Often, the areas that are positives are also a negative because of their condition and also an opportunity to improve what is there.

At the end of each of the dot exercises a brief discussion was held about the meanings of each of the maps. The comments were transcribed onto poster boards, hung up on the wall and read to the entire group of attendees for further discussion. These comments were collected, organized and placed into a spreadsheet for record.

Step Two was a further collection of comments in a survey entitled "Community Input on Memorial Field" by the SCASD website. These comments have also been added into the record spreadsheet. The spread sheet has divided the comments into subcategories such as "seating", "community", "function", etc. The subcategories are then given a mark (positive/green, negative/red or opportunity/blue) indicating how many times that issue was brought up for discussion, indicating a level of importance. The comments from the survey were added to the spreadsheet, paraphrased and placed in the appropriate categories. These comments were kept separate and are shown in black italicized text.



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State College Memorial Field - Community Charette / Survey Results

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subject	(positive)	(negative)	(opportunity)	notes
Assets				
already own the land use of the owned buildings the alley at the stands the sunken bowl				limited use of Fairmont & Admin buildings, re-purpose or use the land access to stands access to lockers, seating, relation to community
** the central office admin building ** compared to other facilities			•	restrooms and office functions. Memorial Stadium compares very favorably with other high school stadiums.
** great venue	•			Memorial Field is a great venue.
purchase nearby properties		•		The Memorial Field facilities do not match the quality of the football/sports programs played there. purchase vacant office building @ corner of fraser and nittany
Access/Circulation				
access to seating no connection b/w east & west side access controls, ticketed zone				no connection between east and west stands
ADA accessibility				
field access / ramp				maintenance and emergency vehicles
way finding the stairs are dangerous				access to the garage (visitors) waterfall for athletes and spectators
circulation logistics visiting team player access				for the band, for the students
			4	
Atmosphere/History				
the stone walls				walls falling down, balls get stuck
** the stone walls uniqueness of the field			•	Venue should reuse the stone from the WPA construction and maintain its historical integrity. home field advantage, sense of place, the bowl
** commitment to Memorial Field				The Board's commitment to Memorial Field makes sense. Memorial Field is a historically significant and green resource for downtown
** atmosphere				Memorial Field has a great atmosphere.
the wrought iron fences				open views fence/walls for historic plaques
intimately close to the action				players get hurt
the ramp entrance for the band				60 years of tradition

** responses from survey for 'Community Input on Memorial Field' (paraphrased)

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Audio/Visual				
sound system				
score boards				can't see from parklet, one doesn't work, sponsorship opportunities
scorekeepers station				
Community				
a community venue				arts fest, homecoming parade, etc.
downtown location				creates a center, kids get in trouble downtown
the delta program				
supports local business				combine community needs with facility needs
the neighborhood context	—			
mixing of highschool & college kids				
** vital part of community	•			Memorial Field is more than just a place to play high school football games. It is a vital part of the
2 5 6 6 6 6 6 7				Memorial Field needs to be maintained and preserved not just for its value as a place to play, but for its
** anchor in the community			•	value as an anchor in the community.
** value for the future				The renovation to Memorial Field must take into account its impact on the community for the next 50+
				years, so that it maintains its importance and uniqueness as a part of the neighborhood.
** importance to the community				It is important to keep Memorial Field as a viable athletic facility.
** variety of events	•			Memorial Field is a great venue for a large variety of events, sporting and community, for all ages,
PIAA tournaments/playoffs				state standards for playoffs/tournaments/championships
** PIAA tournaments/playoffs		•		There is not a need to make the facility 6,000 seats or attract the state playoffs.
	-			
Education				
** venue vs education		•		There is no education based need for expanding the field or improving the playing surface.
** needs of students				Make sure that the design/project is not based on the desires of special interests or donors, but is based
				on the needs of the student and the community.
** SCASD issues				Renovation of Memorial Field is not the most important issue facing the SCASD at present. Resources
				solving the problems.
** aantant with aviation				
content with existing				
				We should be content with the facility that we currently have, and teach our children/students the same.
				We should be content with the facility that we currently have, and teach our children/students the same.
Field/Turf				We should be content with the facility that we currently have, and teach our children/students the same.
Field/Turf The field surface				We should be content with the facility that we currently have, and teach our children/students the same.
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Field/Turf The field surface ** field condition the "S"				We should be content with the facility that we currently have, and teach our children/students the same. hard and matted down, not good for soccer, useful life complete, not maintained The field seems great; the bleachers seem old but not unsafe
Field/Turf The field surface ** field condition the "S" move the field to the cost	-			We should be content with the facility that we currently have, and teach our children/students the same. hard and matted down, not good for soccer, useful life complete, not maintained The field seems great; the bleachers seem old but not unsafe create more room at fraser street, increase size of field
Field/Turf The field surface ** field condition the "S" move the field to the east				We should be content with the facility that we currently have, and teach our children/students the same. hard and matted down, not good for soccer, useful life complete, not maintained The field seems great; the bleachers seem old but not unsafe create more room at fraser street, increase size of field The sideline are too light and unsafe. Teams atbletes cheerleaders sideline reporters and equipment i
Field/Turf The field surface ** field condition the "S" move the field to the east ** sidelines				We should be content with the facility that we currently have, and teach our children/students the same. hard and matted down, not good for soccer, useful life complete, not maintained The field seems great; the bleachers seem old but not unsafe create more room at fraser street, increase size of field The sideline are too tight and unsafe. Teams, athletes, cheerleaders, sideline reporters and equipment is all crowded together in a very small area. More space is required.
Field/Turf The field surface ** field condition the "S" move the field to the east ** sidelines ** field to the east		•		We should be content with the facility that we currently have, and teach our children/students the same. hard and matted down, not good for soccer, useful life complete, not maintained The field seems great; the bleachers seem old but not unsafe create more room at fraser street, increase size of field The sideline are too tight and unsafe. Teams, athletes, cheerleaders, sideline reporters and equipment is all crowded together in a very small area. More space is required. Before spending any more money on the field, the District needs to gain a clear understanding of what is

** responses from survey for 'Community Input on Memorial Field' (paraphrased)



Trade 1

Function			
concessions			smoke, one line, need permanent facilities, other events
locker rooms			direct access to the field from under the stands
** locker rooms			Locker rooms for home and away much be added.
** locker rooms			Lack of restroom and locker facilities for visiting teams and fans must be addressed.
restrooms in the stadium facility			
** restrooms in the stadium facility		•	Restrooms must be added and upgraded.
** restrooms in the stadium facility			Restroom upgrades are required.
restrooms in adjacent facilities			the admin building, the church
•			
_ocation			
near the old high school			
** central location	•	20	Central Location and great atmosphere.
view of the church			
√ aintenance			
** maintenance costs			Consider maintenance costs while designing so that the project doesn't be come too big and too
**			expensive to maintain after construction.
maintain existing facility		•	iviemorial Field deserves better care and is in need of repair.
Parking		1	
the parking garage			instead of surface parking, dump time, pro pay or additional pay stations
the parking galage			instead of sufface parking, durip time, pre-pay of additional pay-stations
ADA parking		- · · · · · · · · · · · · · · · · · · ·	
shared parking			with the women's resource center
Project History/Team			
Tojoot History, Foun			This is not a time to "reinvent the whee!". The design team must posess and review any and all previo
** existing studies			studies to prevent repetition of work.
** when any configuration with a station of		1000	
preserve/work with existing		•	Managinet Field is used to assign for an optime lifthe design for an early work a trund find a new design to
			internorial Field is worth saving/renovating. If the design team can't make it work, find a new design te
** preserve/work with existing			Memoral read is work saving renovating. If the design team can't make it work, find a new design te Maintain the existing facility and renovate it responsibly.
** preserve/work with existing ** quality of design team		۲	Memorial rield is work saving renovating, if the design team can't make it work, find a new design te Maintain the existing facility and renovate it responsibly. The district is to be commended for hiring a firm with experience in similar projects.
** preserve/work with existing ** quality of design team ** do the right thing	•	•	Memorial rield is work saving renovating, in the design team can't make it work, find a new design te Maintain the existing facility and renovate it responsibly. The district is to be commended for hiring a firm with experience in similar projects. Do what is best for Memorial Field, State High, the Community and the District.
** preserve/work with existing ** quality of design team ** do the right thing ** budget	•	•	Memorial rield is worth saving/renovating, in the design team can't make it work, find a new design te Maintain the existing facility and renovate it responsibly. The district is to be commended for hiring a firm with experience in similar projects. Do what is best for Memorial Field, State High, the Community and the District. The project must begin with and adhere to an affordable budget.
** preserve/work with existing ** quality of design team ** do the right thing ** budget	•	•	Memorial Field is worth saving renovating. If the design team can't make it work, init a new design te Maintain the existing facility and renovate it responsibly. The district is to be commended for hiring a firm with experience in similar projects. Do what is best for Memorial Field, State High, the Community and the District. The project must begin with and adhere to an affordable budget.
** preserve/work with existing ** quality of design team ** do the right thing ** budget Press Box	•	•	Memorial Field is worth savingrenovating. It the design team can't make it work, find a new design te Maintain the existing facility and renovate it responsibly. The district is to be commended for hiring a firm with experience in similar projects. Do what is best for Memorial Field, State High, the Community and the District. The project must begin with and adhere to an affordable budget.

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** responses from survey for 'Community Input on Memorial Field' (paraphrased)



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Seating				
seating on both sides				personal seats
seating site lines	2.1			
ADA seating				
seating type				open bleachers, debris under the stands
seating capacity and distribution				centered on 40-vd line, need more seats
searing capacity and distribution				Increase seating canacity, restrooms and locker mome improve press hoy. Build seating over the field
** seating capacity and distribution				access ramp.
** seating capacity				Renovate or replace and increase number of bleachers.
seating condition				visitor stands are falling down
** seating condition				The bleachers seem old but not unsafe. Fix minimal structural issues and leave it at that
** seating condition				The bleachers are unstable and dangerous
endzone seating				non-traditional type
** ondzone seating				Examine spating options for the ordzone to increase canadiu
freehman and conhamore				and them in the stadium corn their costs
neshman and sophornore seating				get mennin me stadium, earn their seats
Streets				
watching games from the street				street fair atmosphere, security
logistics closing Fraser Street				logistics in closing the streets, parrowing the street access to stands
oon Nittony Street be closed				better connection to the Epirmont building
improve street lighting				for percentain of cofety
				for perceptoin of safety
safety and security				Make is sate, secure and durable.
The Parklet				
watching games from the parklet				security freshman and sophomores distracts from game improve
** watching games from the parklet				Expanding into the Parklet or closing part of Fraser St are not in our best interests
watering games wern the partiet	<u>,</u>		1	
Timing				
"get 'er done"				expediency for current crop of school kids
** budaet/timina concern		•		With the current SCASD budget shortfall, this may not be an ideal time to move forward.
	1	673		
Transportation				
poor bus access				
traffic management				
borough could help manage				
				<u>.</u>
Utilities				
the sink hole				stormwater management
** drainage and sinkhole		•		Ensure that the drainage and sinkhole issues on site are addressed.
stormwater				flooding
upgrade utilities		-		water to the stands, drainage
apgrade dimines		I		inder to the statute, diamage

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** responses from survey for 'Community Input on Memorial Field' (paraphrased)



EXISTING CONDITIONS



CONSTRAINTS STUDY





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VIEW FROM SOUTHWEST



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SCHEME 1





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SCHEME 1 FIELD LEVEL





SCHEME 1 SITE SECTION

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SITE SECTION @ THE 50 YARD LINE



SCHEME 1 SITE SECTION

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SITE SECTION @ MIDFIELD



SCHEME 1 SITE SECTION

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SITE SECTION @ SOUTH



SCHEME 1 AERIAL VIEW





SCHEME 1 VIEW FROM SOUTHWEST





SCHEME 1 VIEW FROM SOUTHEAST





SCHEME 2





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SCHEME 2 FIELD LEVEL



SCHEME 2 AERIAL VIEW

1





SCHEME 2 VIEW FROM SOUTHWEST





SCHEME 2 VIEW FROM SOUTHEAST





SCHEME 3



STORMWATER



DESIGN ISSUES:

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- Reduce field flooding potential from reoccurring season floods (high intensity short storms)
- Complex Geologic and Hydrologic Setting;
- Potential for more Karst Sinkholes and Structural Problems if water is not properly controlled
- Minimize excavation and maximize storage
- Allow sufficient water storage and detention to allow sinkhole time to "catch-up"



STORMWATER



- 1. Watertight Subterranean vault in field area
 - 2. Watertight Subterranean vault under Parklet Area
 - Systems protect public safety and allow for easy maintenance and inspection.
 - Systems reduce the potential for debris to block sinkhole
 - Improves water quality discharging to groundwater table
 - Reduces water infiltration and potential new sinkhole formation (structural concern)
 - Option 2 provides greatest storage per dollar installation cost
 - Option 1 eliminates disturbance to Park Area but increase flooding probability.



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RETAINING WALLS





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Design Issues:

- Majority of walls are Rubble Limestone Gravity Walls approximately 80 years old
 - Wall at West Grandstands is a reinforced concrete cantilevered wall
- Varying degrees of wall heights and conditions
- Most walls bear on solid rock a good thing!
- Stormwater flowing over some of the walls which promotes deterioration
 - Age related issues



Solutions:

- Rehabilitate/reconstruct concrete wall at West Grandstand may require additional easement on Fraser St.
- Replace wall under East Grandstand with a new reinforced concrete retaining wall incorporated into stadium design
- Eliminate stormwater from flowing over the walls
- Replace existing stairs at northwest stadium corner
- · Install continuous limestone or precast concrete cap on walls
- Repoint degraded mortar joints

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Continue to monitor and maintain walls

