**Final Review by Coco Gordon for Patrick Padden’s OP3 10-29-12**

***Presentation and organization of output***

**Editing, shape, size**

*Editing*

Use of grammar, spelling, punctuation, sentence construction, numbering, references, vocabulary, avoiding unnecessary repetition.

**Editing:**

Numbering, references vocabulary are advanced, grammar, spelling & one sentence construction shows either you were rushed & did not check, or you need to look at spellcheck after competing the output & go back & make corrections. Repetition up to a few redundancies are good, they follow an oral culture need to be understood & remember, but long sections that repeat in different places in texts & videos have taken away precious space for you to include some other P’s beyond Project.

***Shape***

summary (at the beginning of project report) -yields searchable tags lodged in tag-capable location. References and appendices keep main body short and clear of unnecessary technical clutter, provide opportunities for reader and reviewer to check that author has chosen sufficiently reliable sources. Easy for reviewers to navigate, a 'read me first'…

**shape**

Your summary is very useful at the beginning.

Where is it stated that this output’s theme is balance, though more about passion?

**Peer comments:**

Could you start up top with this in the title somehow for clarity of what’s to come? You end saying that is output is about wastewater yet the WW is nested within the greater permaculture design of Sunrise Ranch. You could point to and make a glossary for terms others may not comprehend and add supporting evidence to provide for readers to learn what you know…

***Size***

Output Packets should come within the word count equivalents - surplus quantities of materials do not impress reviewers, rather they experience such over production as disrespectful of their time. It is worth developing the attitude that working to limits is a creative opportunity. Seek assistance if this is difficult for you.

**Size**

I feel the length is about right, but Word counts would help –

The videos take a total of 64 min time & there is a rule of time your advisor gives for the reading time they prefer.

You mention not being able to cover all you wanted. If you eliminated redundancies in the video & text you could have then included more of what you wanted. My buddy Ariane had timed her equivalents: Each amount of time translated into *X* pages- if I remember, something like150 words per minute of speaking- you could time yourself in the future, then know when to play with shortening video or text.

A thought: You might want to make a short script for the videos of how you are feeling even though you show your real feelings, just for long extra pauses to give you time for more comments on your reflection, but leaving it with the pauses charts your true tempo which comes off as genuinely the way you are thinking in the time it needs to be expressed (an oral culture artifact good to keep in today’s blip culture).

**Mix of media, genres and styles**

Choices regarding media, genre and style to enhance and support the meaning and the message of the OP.

*Media mix* = (for example) video, slide presentation, written report, animations etc.

*Genres* = story, documentary report, game, talk show etc.

*Styles* = fonts, images, colour, graphical look and feel etc.

You use many ways to roll out your output: adept, concentrated and well mapped videos predominate in a good way with narratives & site visits, & problem-finding land-use realtime-expositions and tracking what you are saying with parts you have already documented. Your actions tell a story, with following your moving red light, or with your footsteps, with **your child** on your back, including her transparency and your stoppages with consideration of her needs. Engaging her in your quest is powerful. It makes your learning & teaching us palpable.

**Peer Comments:**

The child on your back while you move about the land speaking to the video, & all the times in between when you carry the child on your back feeling out the land, what is she experiencing to make her ready for the kinds of decisions you are making? Can you train your 10 year olds on your ranch to see what you see?

An OP emphasis is on relevance and helpfulness of the chosen techniques. Note that research and choice in this field is an **opportunity to use design thinking.**

Opportunity to use design thinking: You have used this to report on your well thought out design process, which is very advanced Permaculture. You may think you tackled something smaller than all you are faced with, but what you present is a master plan, quite large in scope & concept. You might want to acknowledge this large scope of the plans you are tackling. They are community wide & deep, and also include the spiritual elements you don’t talk much about. How does the spirituality of the community gain from your design process?

I would like you to talk more about amateur endeavors. This advanced Permaculture designing is definitely not amateurish. It shows much forethought & consideration. What design method can you use to show your serious consideration, GaSadie or other?

“Reputation enhancing or reputation diminishing” is your great statement of the good short view of choices to be made.

I would say you are beyond just philosophy on your land, more a design exercise of real system integrations. I take exception to when “professionals” accuse a permaculture design & permaculture systems understanding as ideas & not real, it happens in our town. You know that all systems that integrate cross over lines in unique ways that work with the magic of nature. We can get raw over these ways our permaculture work is still overtaken with an industrial imperfection thought to be perfection, because of not needing people care, which is the adverse to what is needed, the Permaculture Earth Care, People care ethic. I suggest you add “design & real manifestation-implementation” to “philosophy” in speaking about Permaculture at the end of video 4.

**Structure, flow and use of illustrations and examples**

Structure has clear and useful sequence (is there a table of contents - is there a summary, are there conclusions?) that allows arguments to unfold within relevant context. Links between levels in the flow of argument are credible.

Illustrations and examples truly illuminate proposals and are used with sufficient frequency. Do you think your work reads well and engages a wide audience? Your use of illustration and examples flow in your summary and conclusions, allowing you to show a wide picture of the struggles you face with industrial supremacy, that would have you question whether one is prepared for doing effective work. You have all you need to engage all audiences.

**Management of Output Packet Creation**

OP submitted on time with sufficient time allowed for peer review. OP is complete including self and peer review and is available to peers and reviewers from associate's portfolio site in GEL. Good use made of support services (process advisers, project design advisers, specialist advisers, learning support).

A far as I can see, your intentions were readily honoring a time frame you have set up to get this output done. You asked upfront for finished review by certain date to then get it to your advisor on time.

***Design skills ~***

**Articulation of Approach**

Here you Shine in explaining what design approaches/organizing frameworks and processes you considered for the design of your project outcome, in complement to videos. I’d like to see more about how these projects served your output part of your action learning pathways, such as rumination and bringing in the many relationships affected, and by mindmapping or journaling. Strategy notes:

How can you better include, inform and engage more of your audience to help you? You seem to be the lone ranger much of the time in this output. You do ask for participation and collaboration at the end, which shows it is part of your structural approach. I’d like to see some of your support team showcased in the output. The most poignant supporter you have showcased is your child on your back, conferring with her is awesome.

**Peer comments:**

You might like to be clear upfront where your video says storm water and your headline says water. Accentuate and match that up. You make right a long-held fast wrong drainage approach to water, and are of great service to the wastewater industry, pointing out that instead of one fast catchment area it is optimum to install many check dams that slow and sink and how well this works.

**Project**

Very nice description of process going from lined to unlined & how the trees drink it up. It strikes at the emotional need for collaborating with nature and uses your 3rd eye. You have good use of design skills to influence the quality of your projects and your action learning pathway: This is your strong suit! It is very good, up to a point, to hear your doubts that elicit conversations and collaborations with us who read your vision and your work to attain it. When you say, “ However, if we perceive our waste water as the valuable resource that it is, then we now are looking at an entirely different issue.  We are no longer managing a waste product; we are now contemplating how to best make use of this resource and a plethora of new opportunities arise.  I have often joked with people when I describe the issue: “they say they have an overabundance of water and nitrogen; golly what is more valuable to a person trying to create a flourishing ecosystem than water and nitrogen!!!”, this serves your action learning pathway of your project, to use permaculture vision in correcting defects. This call to attention is very well put in a nutshell, and it covers the many integrations needed.

**Peer Comments:**

You say the keypoint can help you –I’d like to hear you describe how it works to help you, what challenges & opportunities are here if you manage it, or don’t.

**Output Packet**

Did you rise to the challenge to use your Output Packet as a design opportunity?

As a design opportunity, your design is streamlined and ultra-engaging a meta way of seeing the logistic and integration of storm water management and wastewater. Addressing your view of amateur endeavors & what you might need to show and work from professionalism, I feel your advanced Permaculture designing is definitely not amateur. It shows much forethought and consideration for good design. Now I challenge you to ask what design method & skillflexes could you use (of the 25 or more that Jennifer has sent around to our dropboxes) to show that you have given serious consideration to making room for the entire process? (GaSadie or other?) So am asking you, what was your process for putting elements into your design, and what went well with that process & what was challenging?

**Critical Evaluation & Thinking**

It is clear that you have balanced evidence arising from your own first hand experience, with the thinking of others working in relevant fields, though you state that passion is more important than balance. I return to this on the overall comments. I would like to hear more about the passion imbedded into the output and needed from others, how you manage it. To me it comes in your speaking tones, actions, acute observations & interpretations, that welcome help from others to join what is as exciting to you as it you wish it could be for them. Your thinking demonstrates significant independence from that of others. You video your generative regenerative approach: how your water is fed by lake Granby’s western slope to your front range community via the Hanson Feeder Canal’s Big Thompson Water Project. You show the lay of feeders entering your land and your suggestion for using a diversion canal (and later you show diversion check dams), Permaculture tools. Now, where there is no outlet designed, wastewater breaches to threaten the currently zoned design including the wastewater system. This is good video in action.

By starting from what you know of Permaculture design, with Brad Lancaster and others as your teacher, you are entering the critical place all communities could be entering, starting with food is not waste and the excitement for transforming that food to value-added products rather than way industrial machine makers have made people think: leave it to the joneses of machine culture to take care of your emabrassing bodily functions for you, and rake in lots of money while taking it off your hands, literally. But they have not figured out how to complete the taking nor the remediated commodity. By your genuine pondering to educate those who are perceived to be most educated—engineers, you offer a real solution for towns to go to basics of what, (our body eliminations), who, (machine or permaculture designer), where, (all throughout the system starting from the point of elimination or mindless sending away), when, (at point of elimination through to end products, or elimination as memory loss not having to be retrieved by giving it up to others to control), how, (by mindfulness of Nature’s ways, patterns, cycles yielding many possible usable stages and production, or a one way ticket to a large bill in the mail, and why, (by taking possession of our resources, or giving them to inept handlers that stop the process of transformation). You touch on these essential differences.

**Peer comments:**

There is much to know, but you start at a high level of systems interaction and that is the first huge lesson for what is called storm water and wastewater treatment. Your Permaculture experience, walking, living, observing and honoring the land makes you able to leap like fish, fly like an eagle & run like a cunning coyote. You offer an honest humble approach to turning around a polluting industrial system based on machines & chemicals back to empowering living beings to turn around their bodily functions as life cycle designers, implementers & producers… I’d like to see reference to where others can learn these technologies, perhaps in a supporting evidence file. Like water, if you slow down the process for others it will sink in better.

The subject of your work is very much in need in all communities not yet using the rehabilitative biological processes (not new or experimental but known for many decades): (Kate Seidel wetlands) (John Todd multiple Ecological minimum of 3 biological interactions) (Albert Bates Bamboo leaves filtering), (Paul Stamets digestion by mycology) (Mary Appelhof & Jon Anderson vermicology) & what about the old compost bucket, using ashes, sawdust, straw…just to point back in time to how living upstream supports or destroys those downstream.

How does your thinking fit/stretch the field:

Please share with us either websites to find out more or key words to find on our own, like AEES or advanced wastewater would be helpful terms… You are presenting relevant sources to the field (such as the SB lecture) – have you included your presentations in a Literature and Resource Review?

**11 use for peers overall comments below**

You have shown that you have noticed critical evaluative thinking and have made efforts to analyze the reasons why their thinking is important to your place. This is another of your strongpoints. You will continue to find parties that will stretch out into more complete territory, your systems are vastly known by many in various ways & you need to carefully choose those that are most useful for you at Sunrise Ranch. You have begun validating your own original thinking by providing third-party evidence to support your conclusions: You have understood how to harvest the knowledge of Joel G that came to do a workshop at Sunrise ranch. Alternative systems are not so alternative, they are advanced ecological systems that cut out much of the industrial manufacturer’s gains in favor of Earth’s gains. You have begun this process strongly with gathering ecologically generative wastewater systems players, offering to have them input together in a type of educational charrette of avid designers. You say, “Plants used to clean the water could be composted and used as fertilizer, or distilled into fuel, cleaned water could irrigate orchards or pastures, and clean water (as well as plant membrane substrates -coco notes in parenthesis) could feed ponds & provide clinging places that grow (the magical interaction) between fish, (bacteria) and algae”.  You are needed in the field to make your Perm training the determining factor for bringing together exalted communities of engineers and planners to integrate what you know. Don’t get trapped by being told it is already DONE, assured failures can and will have them listening to you if you are persistent & do not go away…and the EPA is strengthening AEES participation in the Wastewater Certifications right now.

**Peers Comments:**

You could delve more into AEES (advanced Ecological Engineering Systems) providers, there are many & they work alone or with other larger firms integrating as hybrids their biological treatment into the more traditional work.

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***Action learning skills for Project AND Output***

**Concrete Experience (Awareness in action)**

You show balance between action, passion and thought, know when to re-evaluate, modify actions, make good relationships and function well in groups. You are highly skillful here. It comes from you permaculture PDC planning and implementation. You know how to include talks, walks, showing and asking with the humility of the teacher student and visa versa. This smacks of undoing the Patrix- you could point this out, how the Patrix gets de-robed by offering honesty, questioning yourself well and delivering. Q’s to the self are instructive to the professional sectors who hold themselves above everyone else (Patrix behavior). What questions do you ask of yourself and of others to motivate good answers? Asking wrong Q’s begets the wrong answers. If the Question goes beyond accepting a mediocre result, which your Q’s do go way beyond, to productivity, then it is a good Q. Good that you compare the advantages that could be gotten by not using only the SBR. There are quite a few ways to do this beyond wetland systems, with restorers, tanks and other permutations used by the Todds. You mention minimizing requirements. Have you looked into the biological type technologies that could make **use** of the nitrogen (for instance using the nitrogen to cull out the phosphorous, which would then bring in $ with a sought after product) with minimum costs? Have you assessed the value-added products that can be made?

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**Reflective Observation (Appraisal of action outcomes)**

You create time, space and alliances to enable good quality reflection which you report in your OP - you look before you come to conclusions, can see from different perspectives and search out the meaning of things.

You might describe your process at Sunshine Ranch as a nesting problem in which all parts must be considered within each other. The larger Permaculture design contains stormwater, wastewater, irrigated crops, sources of water, keyline management, buildings, roads that can benefit from how each element is designed to work with and within the whole.

With the Yeoman’s Keyline, you shine! Your expansions are large and the condensations narrow down to concluding what you need next and where you go to get what you need.- you won’t be stopped or deterred. Your process is an important one in the action learning community and even more so out in the professionalism communities. Congratulations!

**Abstract Conceptualisation (Use of myths, metaphors, models, theory and research)**

You arrive at understandings in complex situations. You work logically and systematically and show reasons for action.

It’s a real action slice of life when you continue speaking while your child slides down your back even while showing well your intellectual understanding of the situation. Heavy in this realm of model, myth & metaphor, we bask in your theory for your land, to find it is much more, is a practice, method to complete a model, and real in the land around you. Your actions tell the story as you hop, zero in and swim through the diverted waters to show us how your land is now, with its unmanaged constraints & the fulfillments you envision for its design. Yours is an action metaphoring what Yeoman’s keyline stands for, more than the myth it has become, into a way to activate it again. Your knowledge of contour is a model that has been shown to succeed where decades of degradation of water in drylands such as in Jordan has been upgraded with the models of the theories of how to bring life back in with slash, food forests, slope on swale plantings and have the beneficial connections creating figs & mushrooms in no time. You are the purveyor of No-Time. That is a myth coming back strong to guide us.

**Peer Comments:**

I’d ask you to show the difference between a Keystone element in a plan and a Keyline position on the plan which is where convex meet concave in any landscape. So that others can understand the land by seeing it as you do.

**Active Experimentation (Use of piloting and trails)**

You do see constraints as opportunities with readiness and inventiveness.

Have you operated pilots and trials (rapid prototypes) to check (with calculated risk) the validity of your assumptions and proposals before rolling out fullscale projects? Can you move to a getting things done phase with ease without getting stuck in thinking things out to the n'th degree before acting? You excel in building up to this phase- you’ve worked your way into this large project, piloting and making the trails work to entice others to follow, taking your young child on your back through eyes that are yet to speak of what they understand. This is true active experimentation-- Real life honoring the intelligence of Nature & of children, the models you design to help food, nature and people grow well on your land & wanting to attract solutions to what others accept blandly in wastewater & storm water treatments, as seen in regulations by the state Dept of Health....

**Peer comments:**

Your 21,000 GPD is about one tenth to actual & one-twentieth to contract of our actual GPD in Lyons- EPA is now progressing to what you think should be the next step, into using wetland & other living systems. The Health Dept. nitrogen leaching into ground water table is not necessary if separated out along with the needed phosphorous for growing food naturally, according to JTED the world will sorely need phosphorous as it is no longer available to farmers. Plants clean best when not used as a monoculture, but with minimum aids of two other systems for interaction). Stormwater diversion can also make use of this model. You are on a good track.

***Process skills***

**Project management OF PROJECT**

Gaia U suggests that you can analyze how well you managed to deliver your project design in the real world (see www.simpleprojectmanagement.com for further information). Your short summary might contain: a capacity to manage self and projects without drama and stress and an ability to maintain flexibility at all times while meeting negotiated timelines. Management of your project is more than ample in this output. Project management as a skill for the regenerative designer such as use of collaboration, team, outside help- in all stages of the design, analysis, etc, broadens this section.

**Gains in Competence and attention FOR PROJECT AND OUTPUT**

Competence and attention while showing it is practiced without pretense, and retains consistency of engaging in an energetic and zestful manner, both required for success in action learning. You shine here more than you realize, as a leader that cares and has good questions about a demanding situation that needs better solutions which you note can be provided. You don’t need to doubt the efficacy of your Permaculture training when you know the basics of water running on contour between swales, planted to hold the water that grow lush microclimates. You have seen that work & it is empirical evidence of a working solution. The basics of stacking functions could be called a runoff reduction method compliance tool. Your incentives, Chesapeak protection stormwater articles are impressive. Good key words would be: feedback loop, permeable pavement, green roofs, downspout disconnection, bioswales, rainwater harvesting, storm water, sponge, percolates, berm/downslope, guild (you give a great definition of guilds), using a front end loader, reserve microbiology stopper, slowed infiltrate, mulch, pasture-grazing species, microclimate, fodder, and the concept that shade from trees that drink on the water make use of storm water planting on downside of swales by spreading and infiltrating.

I ask if you could add a few new Questions to show the largest yield possible. Perhaps by mindmapping how you internalize and externalize this combination of competence & attention- where doe it go & how does it comes back reciprocally?

**Collaboration - Engaging with peers and advisors**

Most of us still don't think in terms of working with other people in 'academic' types of work which is both a cultural hurdle and a logistics issue. How does one collaborate, with whom and what for and, is it effective?

The Gaia University system sets you up with potential collaborators from the outset - your peers, buddy guilds, advisors, reviewers and graduates. You do not write or tell much in this output about how you manage, delegate and engage with this resource of peers and advisors, though by showing the spaces you have touched, taught and implemented, we know it has been a collaborative effort. I’d like to know how you manage your self-care and team or group care, while tackling such a large endeavor.

**Leadership and delegation in Project AND/OR Output**

Leadership takes initiative and others support these efforts. How you can improve your capacity to take leadership and support the efforts of others – like doing very little, yet be having a big effect. Or invite in assistance and delegate effectively? What are your insights and progress in this field?

Again, What I see in this output:

You have stepped up and taken the lead here. (Keeping your child with you- the intergenerational effectively handing down perspective is strong here. The child’s view - how does it bring an intentional community to accelerate intergenerational education, to learn all the basics you are experiencing, to be able to make the decisions you are making via the land’s systems use and integration? I am not hearing how much is being delegated, how much assistance you have, and how you keep the interest going. ---How do your invisible structures work, what realms- healing, community resources, bioregionalism, permaculture events, centered time, celebrations keep leadership working?

***Outcomes***

**Benefits to Field (Project)**

Describe the 'value' of your work according to likely effects / impact on the field.

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Do you know that you are already in that vanguard of where the permitters & EPA are going, with Advanced Ecological Engineered Systems, going beyond the sewering, transporting, and in essence dumping of the brown-gold produced? When “the train has left the station”, that train can get derailed or get buried under an avalanche or lose steam from natural entropy of the project. It is never too late to educate for another way that is better. You say, “innovative regenerative communities.  It could link us to various Universities as an educational demonstration site for how to best manage community effluent.  Ultimately I believe that this project could even earn Sunrise Ranch money in the long run—a completely different approach that what is currently being considered.” Findhorn had that very experience of earning money from the first EcoMachine within 8 months. Dennis lives in Boulder & can tell you his story of Findhorn’s John Todd wonders.

**Gains in Gaian Skillflexes (Professional)**

Gains to do with improvements in your professional skills.

Time management. So you have tweaked and added, and now can do a bit more condensing.

Good that you share what you were feeling about tweaking & creating this OP. Others can see how they might feel & be stimulated to try a large integrative design for themselves. It is a brave and ambitious project with a brave and ambition call to offer your optimum alternative. I hope you will write more about this project’s continuing development in (a) future output(s). Length management honors length of your output in the most inclusive way. You could make more room for this discussion and take out a few of the redundancies that are repeated in the text and in the videos. Redundancy is good, and shows links to oral culture, but for the sake of an output size, you can still go through this and cut out some things repeated several times to make room for your spiritual and healing integration skillflexes that run through this whole output experience. Show us how you stay strong and persevere.

**Internal Growth & Development (Personal)**

What personal insights and gains have you harvested in this cycle and what difference will these make to you? One example I see is: Patrix-busting. I see this manifest in all your work (with community, children outside help, the videos showing vulnerability and acceptance of sharing honesty to a public that is just getting to know you, shown to us in the next to last two videos. But we read between the words. It takes much personal development to not wear a mask of shoulds & coulds behavior. I’d like to see you prepare a script for the short video segments where you are unsure what you can say, and use it as a guide. But not force it.

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**Zone 0-0 Cultivation,**This is your strongest suit. You spell it out well, how it works in your community, & show us by asking the child for her words, by strengthening the intelligence of Nature through your child. This is very strong 0-0-0 inner zone cultivation. Your attention to multitasking with the child as an equal in need, makes honest, exciting footage.

**Discharging Distresses:** We see your distress in your questioning your ability to guide such a huge project. What methods do you use to discharge your distress? RC, other? I see though you don’t speak of this, that the land has a calming influence on your distresss about it not being managed well by the powers around you.

You can still see clearly and the distress is not diminishing your attention to detail you have accumulated.

You are working to continue making a good solution.

**Inter & Intra-Personal Communication:** You seem to shine with the landscape, it loves you and responds. People that shine in the landscape look happy with the Nature communication they are actively pursuing and receiving at Sunrise Ranch.

**Contributes to knowledge commons**

Do you have a strategy for disseminating your learnings and making them permanently available to others working on similar issues? Describe this, show us the links …This is a huge project that will make legends of your place, I can see this knowing that such contributions take years in the making of the change we seek, Don’t give up ever- keep watching for your exits & entries, as others are or are not being receptive. You are the catalyst & the bridge & the bridging all together. Just having this ability to continue, contributes to the knowledge commons. It is no longer about the short bout that gets won, it is the overall ability to emerge with the best design you can & that design may morph in ways you don’t now see. This kind of perseverance is part of getting the model you dream about now to go out to the commons as a real option.

**Peer Comments:**

**UnLearning-Learning development**

While you are going through this see-sawing through learning/UnLearning you might contemplate test Questions to yourself: You would likely think up all your own Q’s to yourself to see how you have measured up to your own aims & goals for this output, showing you what you have learned and unlearned. Here are some Q’s I might ask:

Have I set goals in a transparent enough fashion that I can test myself at what levels I’m accomplishing them?

How did I conduct communication with others as I went about writing this output?

Were others actively working it out with me?

Did I give instructions?

Did we form a team?

Did I delegate to others to seek out people, companies and inside nearby community knowledge to widen the information gathering process in this output?

Have I presented some nuggets from each of the persons who have instructed me in the advantages of biological systems?

Did I speak of or show some pictures of my support people to acknowledge the presence of their inputs?

Have I moved about the land with all the children that live on this land while talking about what I am experiencing?

Have I taken other interested persons on this land under my wing, to help with the Yeoman’s keyline design for them to gain my knowledge?

Do I realize how advanced my thinking is, and how do I collaborate with others to transmit my knowledge on a daily basis?

What self-care did I do during this output-making time to keep me focused, open and energized?

**Peer Overall Comments:**

In the beginning you introduce a tension between “Probletunity”, a word in Permaculture joining Problem+Opportunity that piques interest. A voracious eater of that probletunity that would cost your community money would forego providing ecological progress in your community’s storm and wastewater handling. Right off we are waiting to hear how the yields you stand to gain will be manifested. While this might sound like a thriller, it is a harbinger for complex thinking on Wastewater and all water systems integration that most communities would do well to hear & learn from your experience.

As you point out, towns & communities are used to treating their effluents as waste that has a certain expense and seems to be magically taken care of by machines that make it disappear. However you also point out so clearly, the usual SBR machinery falls very short of dealing with the sludge that has been reduced to a state that must most often be disposed of & landfilled, or at worst cause gumming up of the process within the wastewater SBR system, needing more chemicals and monoculture interventions for odor and hideous gray foam or grease solids. Some are substances such as polymer thickeners and one-way biological processes like algae, or flies that create or hide other problems while minimum standards are barely upheld going downstream. The permitting Department of Health and the EPA standards are now being elevated to insert more of nature’s biological processes.

You have a Strategy for Influencing Regeneration and its by-products: You do not need to be a hydrolic engineer to see how design can be a large part of a successful system, how the life systems integrate, how the result can be beautiful. You know enough to put together a team & then study results that are presented. You make a good point speaking about the timing for building road access be taken after basic systems are ready, as in when often the road is the first thing built as part of a gridded system that does not honor the life systems or how they operate. In the process: you could use a simple explanation for what advantages come from following the contours, before you go into Yeoman’s scale of permanence, so that others can enter at a more elementary place first.

I wish I could hear the Strawbale Presentation video better, it seems unclear as to how this part you selected fits in with your output. It fits with a curriculum vitae & the honor of being asked to present to so many people, perhaps a short synopsis of your lecture would show how it links to your output. If you want the viewers to understand the SB presentation you might offer a file with the outline of the content to anyone interested & give feedback how the folks who attended reacted to your presentation.

Your further use of design thinking: Brad Lancaster- I’d love you to give us some of that small print enlarged, to entice people to his amazing design analysis. Contacting Natural Systems International (is the company the Todds wanted to partner with, but was not accepted by Lyons who chose Honeywell in a performance/Banker role. NSI was not certified in CO). CSU water faculty. Regenesis – Joel Glansburg- partnering people & their place, have their work centering in non USA municipalities, favoring places that do not have onerous zoning regulations, but is very interesting work on your scale of community. I suggest you keep going here - there are many more that could effect a biological approach that would add to your wastewater & stormwater treatment integration understandings & choices. Good beginning!

You already have great keyline maps & check dam info. Starting from ridge tops. I’d like you to state why the Yeoman’s plow works so well, & why starting on the top is best. In your digiphon could you talk about how sketch-up helped you map contours? You might also tie how this design thinking affects the various p’s beyond professional, to political & peer to relate to those who might read or hear you present & not be able to follow your advanced design position, taking it down to a level they can relate to. (You already have covered the personal).

**Put in Peer overall Comments below:**

“influenced by on how we precede” -Check grammar

& check spelling here:

(Easter Egg) “Once I simplifiedd the content of this output package the articulation of my approach became more clear and focused. The project narrowed in onto a very real project and was no longer an overwhelming compilation of multiple facits of things I have been working on. I am happy with the design skills that I have honed while doing this op and my new capacity to bring a project into focus. The is a considerable ammount of critical”,

“Certainly if this project is carried through there will be an immence benefit to the field. However, if the projcet is not carried through, the learning will be more concetrated in my individual expereience. The video presentations that I give are intrinsically valuable as teaching tools and are effective at conveying some elemental essences of the permaculture philosophy. In fact many of the slides I chose came from a new and improved "intro to permacultre" presentation that I recently compiled. Now if I am invited to give an introductory presentation, I have a substance rich presentation to offer. Unfortunately, if the project is not carried through the way I invision it”,

“Not being qualified to design waste water or storm water systems has been a nasty monster that I have had to face when bringing my truth in this scinario.” ,

Trailing words: “So how do you think” at end of video: at end of the section- your trailing words can be cut away in i-movie. You could try the quick & dirty approach, of using the delete section command.

As you say: “or I will yield to a more tried and tested approach”, if you want others to take seriously all you write, you need to edit well. That’s part of learning/unlearning rigorousness.

END-

Peer review:

**What I liked, what could have been different, no comment**

***Presentation and organization of output***

Editing shape & size

Mix of Media Genre & Styles

Structure flow & use of examples

Management of output packet creation

Peers comments:

***Design skills***

articulation of approach

project

output packet

critical evaluation & thinking

Peers comments:

***Action learning skills***

Concrete experience (awareness in action)

Reflective observation

(appraisal of action outcomes)

abstract conceptualization

(use of myths metaphors models theory & research

Active Experimentation

(use of piloting & trails)

Peers Comments:

***Process skills***

Project management of project

Gains in competence & attention for project & output

Collaboration engaging peers & advisors

Leadership in delegation in project and/or Output

Peers comments:

***Outcomes***

Benefits to the field (project)

Gains in Gaian skillflexes (professional)

Internal development & growth (personal)

Contributes to knowledge commons

Peers comments:

 Peers overall comments