

Michael D. Boekholder, President Boekholder & Associates, LLC



Hello my name is

Mike



Gunny Hartman is here to help with the key points!



Toppenish, WA "Where the West Still Lives!"

410 Buckley South Cle Moses Lake Elum K ALLIA Orting Wenatchee Bearhead Mountain George **National Forest** Potholes Ellensburg Kittitas State Park PIERCE Royal City Mount Mt. Rainier South National Park Baker-Snoqualmie Beverly **National Forest** 26 Naches earl. Creek. Mattawa Tieton Pimrock Lake 12 Yakima Moxee City EWIS Mount Curtis Gilbert 81841 Zillah Green ... White Swan Toppenish Coldwater Creek Sunnyside Granger Spirit Lake Gifford BENTON Gran**≜**view **Pinchot** Benton City Mount Adams 12,276 ft **National Forest** Mabton akama Indian Reservation Mount St. Prosser Helens 8365ft Lewis Bickleton Trout Lake Paterson Umatilla K L I C K T T A 1 Klickitat) Irrigon Salmon Boardman Goldendale Roosevelt 14 Hood White Salmon -MORROW GILLIAM

Granger, WA "Where nobody lives..."

What we will cover...

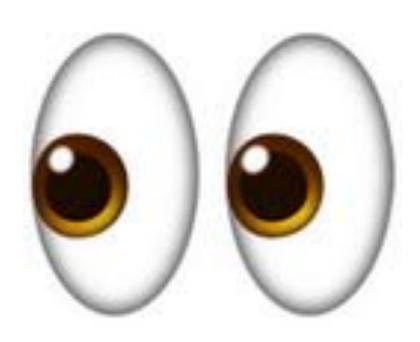
- How to know when you need to do a renovation or reconstruction project
- Identifying project goals
- Developing quality specifications & plans
- Contractor pre-qualifications
- Working with Consultants, Field Designers, Architects & Engineers- when you need them, when you don't
- Public bids, RFPs, single-source... what is appropriate for your project?
- Bid de-scope meetings what are these for?
- Project execution & quality control
- Minor League Baseball PDL compliance considerations
- Questions...?

How to know when you need to do a renovation or reconstruction project?

- Personal Observations
- In-Field & Laboratory Testing
- Field Survey
- Compliance with League rules/regulations

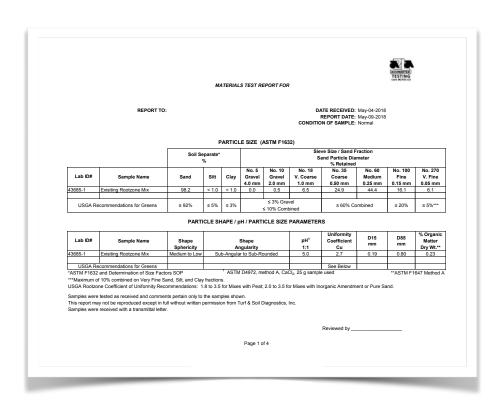
Personal Observations

- You see a problem
 - Drainage is slowing
 - Increased disease pressure
 - Thinned out turf/excess wear
 - Poa contamination



In-Field & Laboratory Testing

- Test Pits & Infiltration Ring Tests
- Laboratory PSA & Undisturbed Core Sample Tests





Field Survey



Compliance with League Rules & Regulations





"Gunny Says..."

- Testing is Critical to a Successful Outcome
- Best "Bang for your Buck" is Laboratory Testing!

"Don't be cheap... get your testing & survey work done!"

Identifying Project Goals

- What are you looking to accomplish?
 - Restore or Increase Infiltration Rates
 - Eliminate Poa
 - Replace a Worn Surface
 - Set New Grades
 - Switch Grass Types
 - Improve Warning Track Materials/Drainage



"Gunny Says..."

"Clear Goals = Good Plans & Specifications"

Developing Quality Specifications & Plans

- Roadmap for your project
- Should be detailed, clean and concise
- Allows for most accurate pricing from MULTIPLE contractors =
- Establishes the basis for all legal contracts

Need to Haves

- PLAN SET
 - New Lines & Grades
 - Current Field Elevation Survey

Need to Haves

- SPECIFICATIONS
 - All Materials (soils & aggregates, irrigation parts, drainage parts)
 - Quality Control Protocols & Submittal Schedule
 - Installation specifics (rootzone depths, infield mix depth, etc.)
 - Handling of Spoils & Construction Debris
 - Warranties
 - Insurance Requirements & Bonding (if applicable)
 - Contractor Pre-Qualifications



"Gunny Says..."

- Pre-Qualifications are one of, if not THE most important part of a specification
- Your only chance to clearly delineate the type of contractor and experience level you require for a given job
- This step can "Make or Break" your entire project!
- Some jurisdictions allow use of a "pre-qualification list"
- Examples:





Example of Pre-Qualifications for Athletic Field Contractor

- Years as Sports Field Contractor as PRIMARY Business
- Number of Comparable Projects in Last XXX Years
- Number of Completed, Comparable Projects in the Past
- Staff Experience
- Equipment Operator Experience
- Finish Grade Operator Experience
- In-house Grading Capabilities
- Certified Field Builder Natural Grass (ASBA) & Certified Sports Field Manager (STMA) on Staff

Nice to Haves

- PLAN SET
 - Current Grading Plan
 - Current Irrigation & Drainage Plans
- SPECIFICATIONS
 - Preferred/Current Suppliers

May Have to Haves

- PLAN SET
 - Silt & Erosion Control Plan
 - Stamped drainage plan if modifications are done IF REQUIRED



"Gunny Says..."

"If You Want It Done, It Needs To Be In Your Plans & Specs!"

Working With Consultants, Field Designers, Architects & Engineers...

- When DON'T you need them?
- When DO you need them?



When You Don't Need Them

- Simple projects
 - Basic strip & regrade, basic irrigation work, etc. IF you have <u>veteran</u>, <u>experience staff</u>
 - Use same contractor frequently & have trust built up
 - No public RFP



involved that requires a public bid or

Owner-performed projects - Do It Yourself



When You Don't Need Them

- Design-Build Projects Contractor is responsible to work with the Owner to develop all specs & plans as part of the project
 - Can be an efficient, cost-effective method
 - Can weaken project control from an Owner's perspective
 - Can result in lots of Subcontractor use unless specifically prohibited per the Contract
 - Requires a very good relationship and trust in your Contractor

When You Need Them

- If you want the most control of your project
- If you want to be able to dictate specific means & methods
- If your project requires stamped, approved plans
- If you want multiple contractors to price
- Public bid projects
- PDL is going to require some type of plan submittal



Consultant/Designer/Architect...

- Experienced professionals who work for YOU
- Look out for the best interests of the CLIENT
- You're busy... they handle the details
 - Spec enforcement
 - Quality Control
 - Coordination with engineers, project managers, etc.

Design Timelines

- Can take up to six (6) months
- Start early
- Read, review, and review again, then again!
- Details are important



"Gunny Says..."

"Make sure your specifications and plan sets match!"

Consultant/Designer/Architect...

Keeps the Groundskeeper out of the fray



Public Bids, RFPs, Single-Source

- Have to determine what your type of approach is appropriate for your project
- Can be legally required

Public Bids

- Government jobs generally require a Public Bid or at least use of "pre-approved" contractors
- Know the laws in your jurisdiction
- Best Cost vs. Best Value (some areas allow)

Requests for Proposals (RFPs)

- Commonly used by Government (under a certain value) and Private Organizations
- Can use specifications and plans for price development
- Can be left up to prospective Contractors to provide price - they work out the details to a large extent

Single Source

- Hire who you want!
- Less common on Government jobs than Private Organization jobs
- Many states have "pre-approved" vendor lists for certain products and services for Government contracting



"Gunny Says..."

"Know what your organizational or governmental requirements are and stay out of trouble!"

De-Scope Meetings

- Meeting with all bidders/RFP responders to review their submittals
- Provides opportunity for Owner to ask questions and gain clarity on the proposals
- Insures Bids/RFPs meet all qualifications and specifications





Project Execution & Quality Control

"And we're off!"



Critical Tasks to Perform During Project

- Submittals & Quality Control
- Project Management
- Engineering

Submittals & Quality Control

- Make sure these are sent in per the specification schedule
- Review and approve each one
- Includes all supplies, shop drawings, product installation details, etc.

Project Management

- Hold Weekly/Bi-Weekly Construction Meetings Throughout the Duration of the Project
 - Construction Schedule & Delays
 - Upcoming Submittals
 - Areas of Non-Compliance
 - Any Other Issues
- If an item is out of compliance from the Plans & Specifications, make the Contractor aware ASAP!
 - Put it in WRITING!
 - DO NOT wait to bring it up... delays only make things worse.
- Provide specifics on the issue and reference the specification by section & number and plan sheet number/detail

Engineering

- Project Engineer is responsible for all surveys and compaction testing
- Contractor should coordinate visits with the Engineer
- Owner & Consultant/Architect/Designer should get copies of all submitted reports for review
- Reports should be handled the same as a submittal approval



"Don't be a pain! Be fair to your Contractor!"



"Ensure honesty... it's okay to insist the specifications and plans are followed."



"Trust, but verify!"

Project Completion

- Comprised of...
 - Substantial Completion
 - Final Completion

Substantial Completion

- When most of the job is finished
- Provides opportunity to make final assessments of the work
- Review remaining items to be completed
- "Punch List" formation

Final Completion

- Job is finished completely
- All punch list items done
- All warranties in full effect



"Payday doesn't happen until Final Completion is done!"

Minor League Baseball PDL Compliance Considerations

- Know the playing field design requirements
 - Slopes
 - Dimensions
 - Trip hazards, etc.





 Requiring some type of plan submittal on projects for review PRIOR to project start



"With the new PDL requirements, your field should always be surveyed at completion to confirm compliance!"

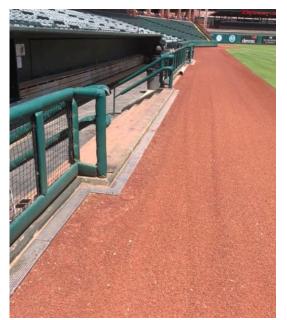


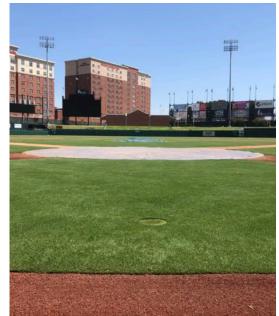




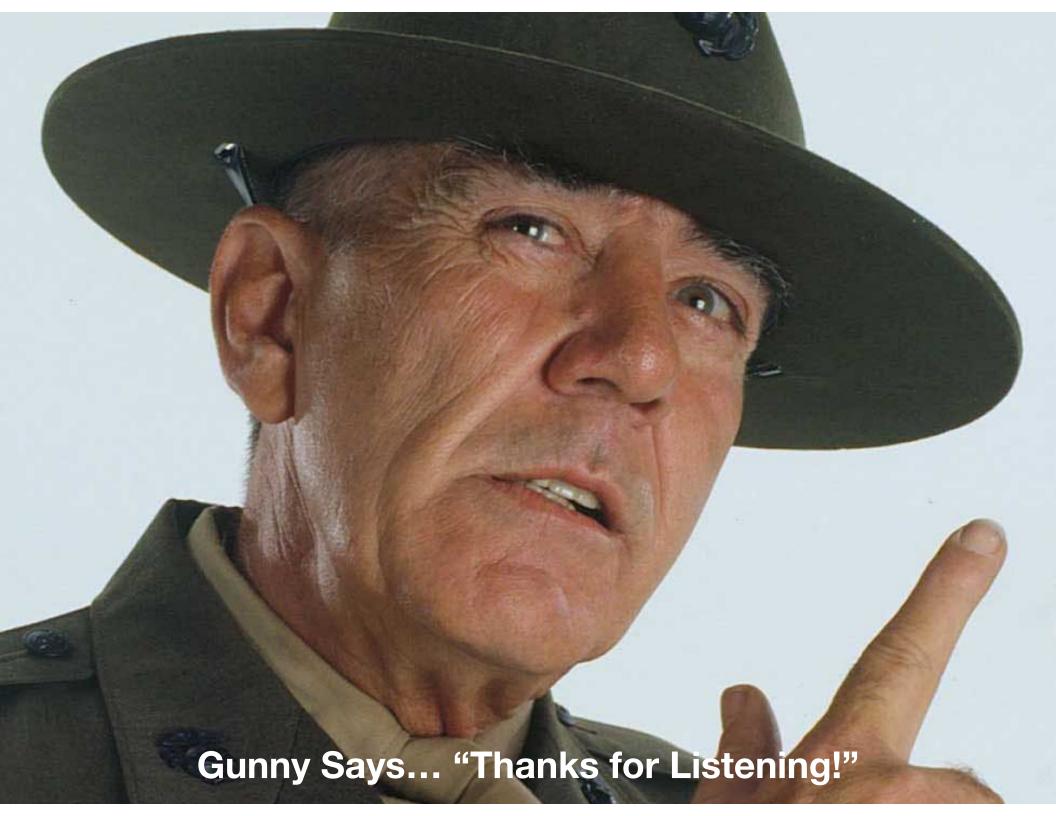
Good planning leads to successful projects from Start...

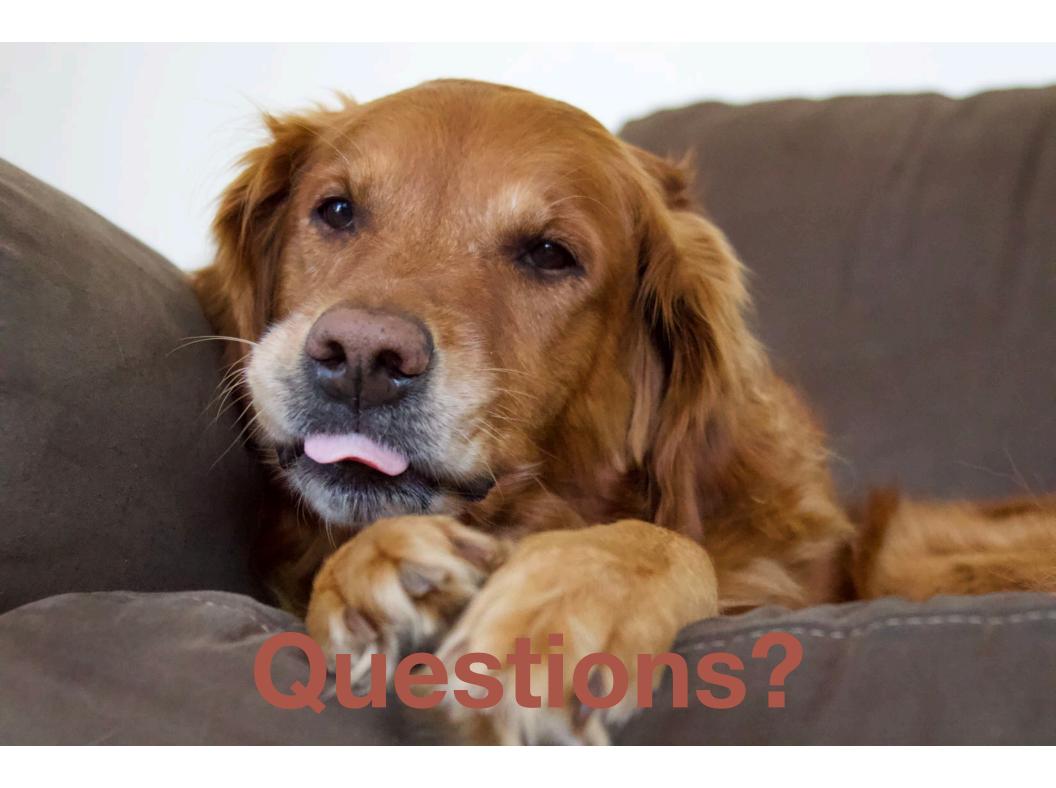






to Finish...





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Thank You!