

# Natural Grass Pitch Development

## Controlling your project



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CHANGING THE GAME

# Richard Hayden

- 23 years experience with over 200 Sports Capital Pitch grant schemes
- Over 500 pitch schemes globally ranging from the FIFA World Cup to local FAI grassroots pitches
- Natural and synthetic turf pitch design and development
- Official consultant to the FAI for natural grass pitches
- Fully insured for Professional Indemnity Insurance to €3 million Euro; critical for provision of advice



# The Hayden Turfcare SIX POINT PROCESS to success



- Stage 1 Feasibility study and submission
- Stage 2 Design and specification
- Stage 3 Procure
- Stage 4 Contract monitoring and administration
- Stage 5 Grow in/Commissioning
- Stage 6 Support and training/Handover

Full descriptions at [www.haydenturfcare.com](http://www.haydenturfcare.com)

# Common issues with Sports Capital Projects

- Site conditions: ground conditions and “unknowns”
- Inappropriate budget setting/scope
- Drainage outlets
- Maintenance expectation
- Irrigation
- Procurement and pre award contractor input
- Broad quotations; no bill of quantity
- Contracts
- Design and “build and design” approach

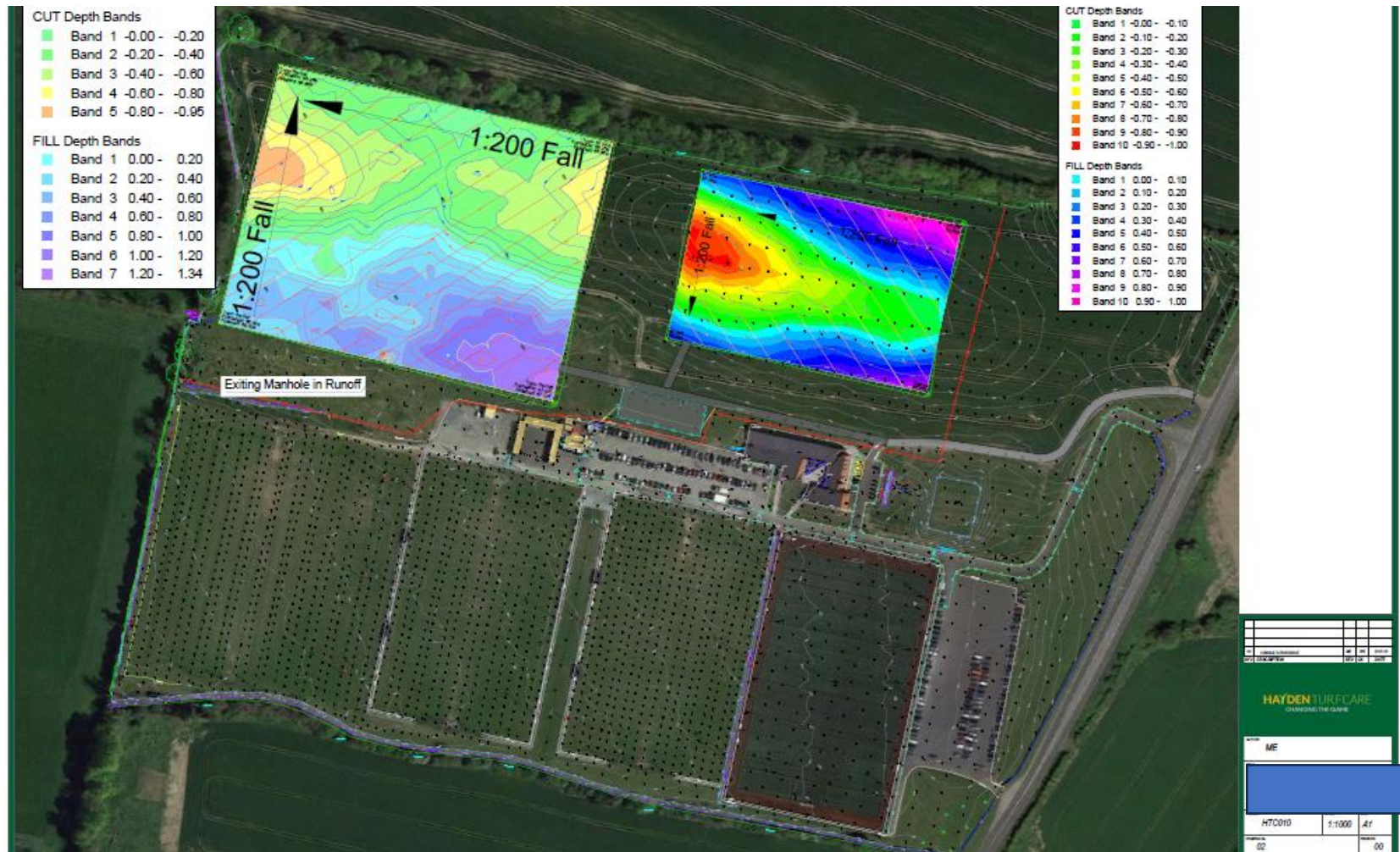
# Site conditions and unknowns

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# Site conditions and unknowns



# Soil type

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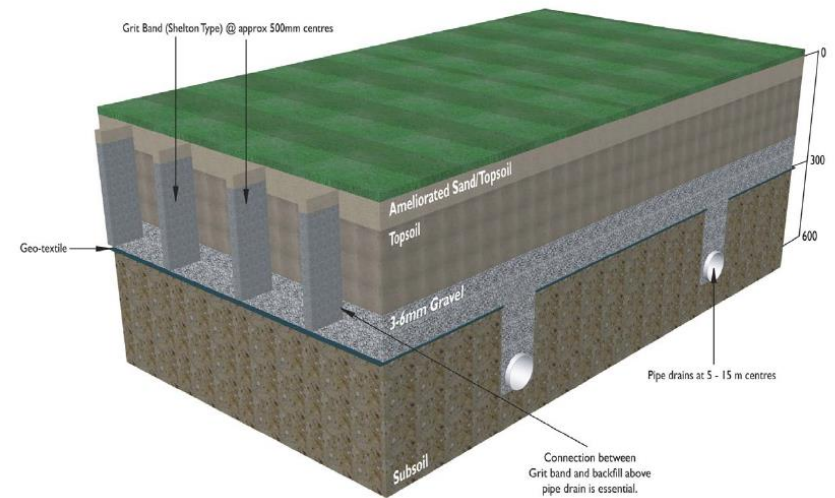
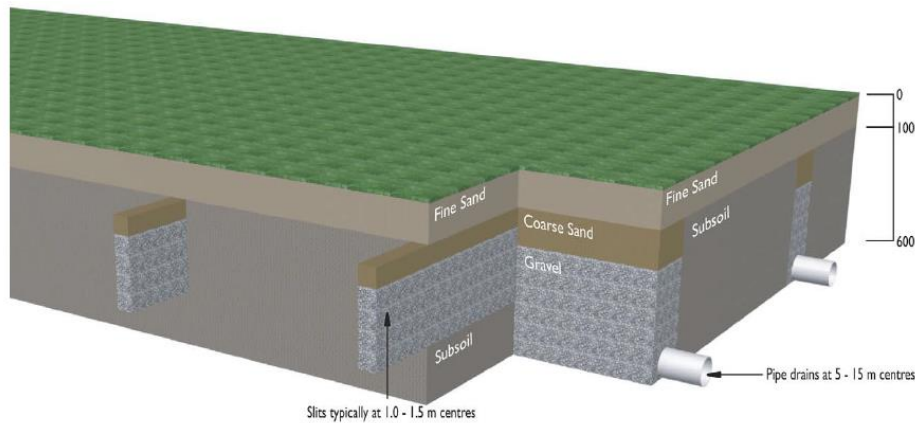
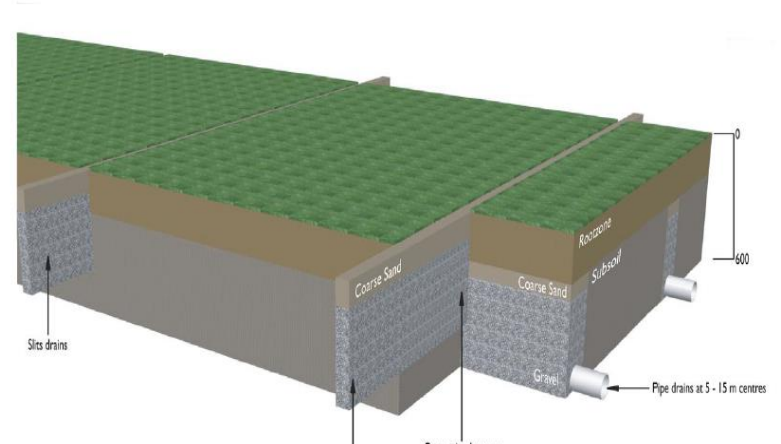
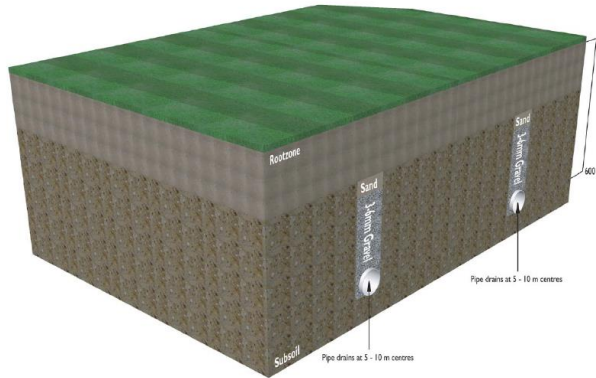
# Soil type

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# Pitch options?



# Inappropriate budget setting

- Budget MUST be considered from the outset but cannot be the only factor
- Once the grant is awarded, club must deliver the scheme on the basis of the grant; floodlights and pitch etc.
- Inflation on materials and contracting is real
- Review of what you are actually getting.....
- 5 mm of sand on 10,000 m<sup>2</sup> is about €2k
- 50 mm slit drainage versus 70 mm slit drainage

# Example: secondary drainage methods and costs

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# Drainage outlets

- Critical part of study
- Surface water; drain, stream or river
- Permissions required
- Flood risk assessment
- Use of soakaways; caution needed
- Levels or “invert” is important



# Maintenance and usage expectation

- Focus on capital expense and forgetting about maintenance
- Usage levels depend on pitch construction type
- Allowance for mowing, aeration, sanding, weed treatment, divot repair and goalmouth repair are all important
- Ongoing maintenance cost
- Schedule the maintenance or or the pitch will schedule it for you

# Maintenance and usage expectation

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# Maintenance and usage expectation

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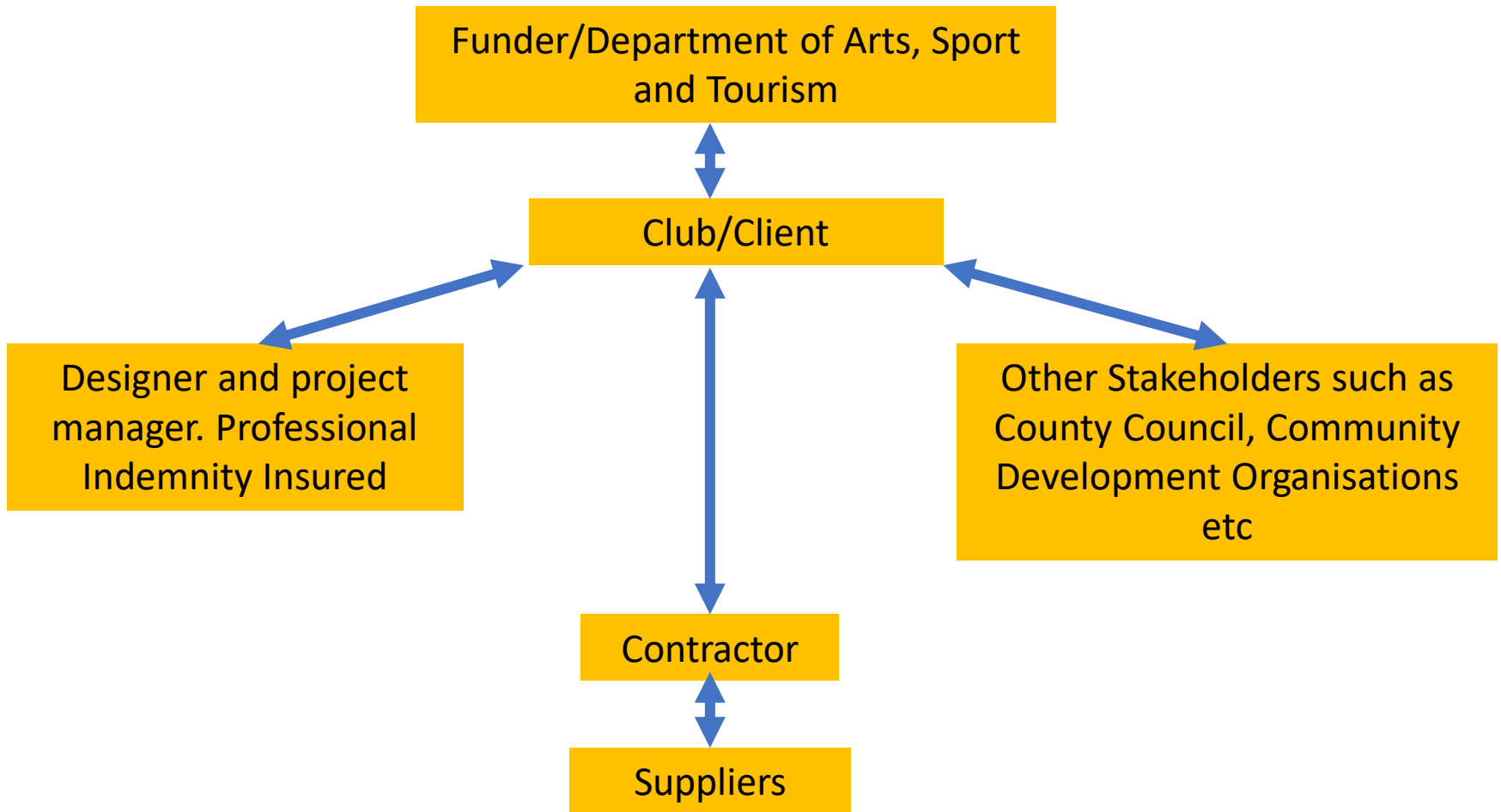


# Irrigation systems

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# Project Structure





- Government form of contract
- CIF form of contract
- Custom form of contract
  - Design and build
  - Design by employer
  - Requirement for Professional Indemnity Insurance

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