

# Tracks Retaining Wall Meeting Minutes- Meeting 1 (Client)

## CENE 486

**Meeting Time:** 09/17/19, 4:00 pm-5:00pm

**Meeting Location:** Shephard Wesnitzer Inc. (conference room)

**Meeting Type:** Client Meeting

**Meeting Purpose:** Discuss the steps that need to be taken for future meetings and the project needs/ progress. Discuss the survey, grading and drainage plan, and what the client would like to be provided

### People in Attendance:

- Chris Cook
- Hunter Schnoebelen
- Josh Endersby
- Stephen Irwin

### Agenda Items:

Start of Meeting:

Time (Start)	Time (End)	Description of Agenda Item
4pm	4:15 pm	<ul style="list-style-type: none"><li>• Discuss information on previous semester</li><li>• Catch up and talk about work that will need to be done</li></ul>
4:15 pm	4:30 pm	<ul style="list-style-type: none"><li>• Collect the topographic map and the drainage report for the project as it will be needed to determine hydrology and hydraulics as well as wall alignment and stationing.</li><li>• Talk about what SWI provides when out sourcing a wall.</li></ul>
4:30pm	5:00pm	<ul style="list-style-type: none"><li>• What does the client want provided to him?</li><li>• EOPC, Geotechnical Report, Three wall Designs?</li></ul>

End of Meeting:

### Summary / Recap:

- Provide a Cost Estimate to the client. Provide 3 designs and deliver best. Geotechnical report, plan and profile of site/wall. This will include a profile that shows walls features and the alignment/ stationing of the wall and where the wall steps up.
- Determine pre and proposed hydraulics. Pre and post flows and location of flows. What is necessary for the wall of this size? The outside flow of the proposed infrastructure will be a determining factor in the design of the weep holes/ perforated pipe.
- Geotechnical study needs to be seen before designing the wall. This will be determined with Stephen and Tommy to see if the results that we collected are accurate or not for designing the retaining wall in the location that it is proposed. This is due to the sampling plan for the stockpile as it is different from the rest of the soil near the all. Site soil is in the stockpile as the soil is from the more northern part of the parcel; however, since cores will not be taken testing may not be accurate. SWI's report will be used, if Trax report is not sufficient for wall design.

**Future Items:**

Due Date	Item	Estimated Time to Completion	Team Member
Before next meeting	Geotechnical Report of the Soil that is present.	3 weeks	ALL
	Determined way to move water that goes towards wall	3 weeks	ALL (hunter)
	Determine gravel/filtered soil in front of the wall	3 weeks	ALL

**Comments/ Concerns:**

- Need to start testing as soon as soil is collected.
- Collect soil by the end of the week (09/20/2019)

**Other Information:**

- September 24,2019 report and presentation is due.
- Talk wyatt about chemical testing for toxic soil

**Future Topics and Assignments:**

- Beginning Hydrology (09/12/2019)
- Meeting with Bero on Thrusday.

# Tracks Retaining Wall Meeting Minutes- Meeting 2 (Client) CENE 486

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**Meeting Time:** 10/17/19, 4:00 pm-5:00pm

**Meeting Location:** Shephard Wesnitzer Inc. (conference room)

**Meeting Type:** Client Meeting

**Meeting Purpose:** Discuss the steps that need to be taken for future meetings and the project needs/ progress. Discuss the survey, grading and drainage plan, and what the client would like to be provided. Hydrology and Hydraulics

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## **People in Attendance:**

- Hunter Schnoebelen
- Chris Cook
- Josh Endersby
- Stephen Irwin

## **Agenda Items:**

N/A, not a formal meeting. Quick questions about drainage and what future development will be on the parcel. Clearing up the drainage that the proposed site will have and where impervious surface water will flow.

## **Summary / Recap:**

- Determined what is provided to SWI in a waters report and what they provide to Tommy when designing the wall. Using this information in the conversation with Stephen to determine the legitimacy of determining that water on the site is negligible or not.
- What is used to reduce water in a retaining wall and what actions they take to design it? Are weep holes an afterthought, or a perforated pipe common? The weep holes are fine to use in the situations.

## **Comments/ Concerns:**

- Geotech report and soil to use

## **Other Information:**

- Meeting with Stephen in November (2 for Geotech and wall Design)

## **Future Topics and Assignments:**

- Wall Determination from 3 designs
- Geotech report to use or to use SWI Geotech report

# Tracks Retaining Wall Meeting Minutes- Meeting 3 (Client)

## CENE 486

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**Meeting Time:** 11/14/19, 8:00-9:00am

**Meeting Location:** Shephard Wesnitzer Inc. (conference room)

**Meeting Type:** Client Meeting

**Meeting Purpose:** Present wall designs that have been chosen and describing why the option we think we should go with is good. Discuss when the best time to meet is and determine what geotechnical report we should use.

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### People in Attendance:

- Chris Cook
- Hunter Schnoebelen
- Stephen Irwin

### Agenda Items:

Start of Meeting:

Time (Start)	Time (End)	Description of Agenda Item
8:00am	8:15 am	<ul style="list-style-type: none"><li>• Discuss the geotechnical issues and present the memo from the results.</li><li>• Go over the results that SWI has and briefly determine discrepancies between data.</li><li>• Discuss what went right and wrong with data. (Friction angel, unit weight, etc.)</li></ul>
8:15 am	8:30 am	<ul style="list-style-type: none"><li>• Discuss what geotech report to choose and design the wall with. Are the soils similar enough to use the data collected or should we use the cores the client has provided.</li><li>• Discuss meeting the following week to present wall designs.</li></ul>

### Summary / Recap:

- Presented the data of geotechnical report that the team has collected, and was not clear displayed to Stephen. This then got into the conversation of the teams opinion of the results. Discussing the determination of the results the team wanted to take a further look at the report and talk to tommy about the comparison after reviewing the actual report.
- Talked about the wall designs and the chosen ones and the excel progress that has been made by the team. The client liked the wall decisions, as they are similar to surrounding Trax projects. It was determine wall designs would be presented the following week to discuss the final wall design and CAD drawings.

**Future Items:**

Due Date	Item	Estimated Time to Completion	Team Member
12/6/2019	Final Presentation- Presented to the client and other engineers on work done	5 days( to complete)	All
	Report and final website for the project	4 days	All

# Tracks Retaining Wall Meeting Minutes- Meeting 4 (Client) CENE 486

**Meeting Time:** 11/22/19, TBD

**Meeting Location:** Shephard Wesnitzer Inc. (conference room)

**Meeting Type:** Client Meeting

**Meeting Purpose:** Present wall designs that have been chosen and describing why the option we think we should go with is good. Discuss when the best time to meet is and determine what geotechnical report we should use.

**People in Attendance:**

- Chris Cook
- Hunter Schnoebelen
- Josh Endersby
- Stephen Irwin

**Agenda Items:**

Start of Meeting:

Time (Start)	Time (End)	Description of Agenda Item
TBD	TBD	• TBD

**Summary / Recap:**

- TBD

**Future Items:**

Due Date	Item	Estimated Time to Completion	Team Member
12/6/2019	Final Presentation- Presented to the client and other engineers on work done	5 days( to complete)	All
	Report and final website for the project	4 days	All

**Comments/ Concerns:**

**Other Information:**

**Future Topics and Assignments:**