

## ReCon Wall Systems Solution

- **Property Line and Excavation Issue...20' wall required to be cut into existing slope and built as close as possible to property line. No construction easement available from the adjacent property owners. Soils were sand, and thus would not hold a cut.**
- **Solution...H Piles and a combination grid wall on bottom tier and gravity wall on top tier.**

### NOTES:

1. THE SECTION SHOWN REPRESENTS TYPICAL CONSTRUCTION FOR THE GEOGRID REINFORCED WALL & GRAVITY WALL FOR THIS PROJECT.
2. THE DESIGN REQUIRES MIRAFI 5XT SOIL REINFORCEMENT AT THE ELEVATIONS SHOWN.
3. STEEL PILES ARE TO BE DRIVEN AND SET BY OTHERS.
4. SEE MANUFACTURER INFORMATION FOR ADDITIONAL DETAIL ON THE RECON RETAINING WALL SYSTEM.

### NOTES:

5. PLACE 4" DIA CORRUGATED PERFORATED PVC DRAINTILE WITH SOCK BY H-PILES, OUTLET THRU FACE OF WALL @ 60' O.C.
- \*6. UPON EXCAVATION, WHERE UNSUITABLE SOILS ARE FOUND, SUB CUT TO DEPTH "D" AS REQUIRED AND REPLACE WITH SUITABLE COMPACTED STRUCTURAL FILL TO ACHIEVE THE REQUIRED BEARING CAPACITY. THE STRUCTURAL FILL IS TO BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY.

