ReCon Wall Systems Solution

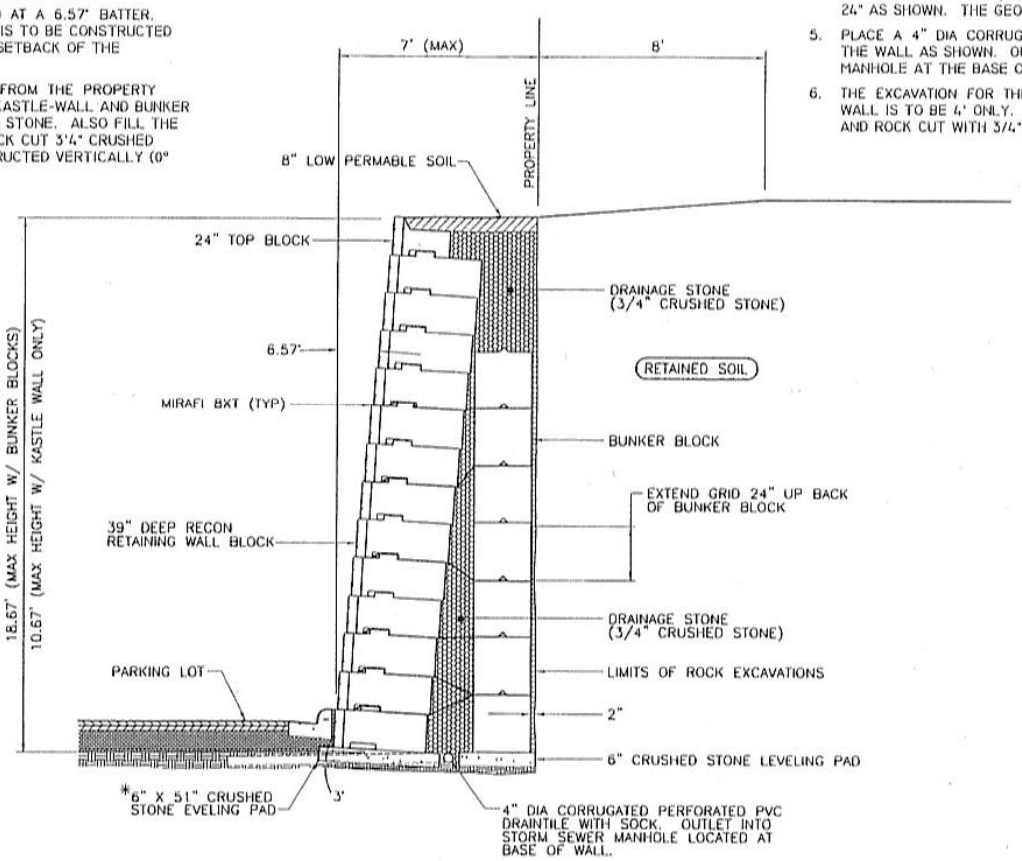
- **Property Line Issue…Home Depot building a new store. Needed 18' 8" wall next to property line. The neighboring property was occupied by a direct competitor, Menards. Thus, no room for grids.**
- **Solution…hybrid gravity wall, tying the ReCon Block to a bunker block with grid.**

GENERAL NOTES:

1. THE SECTION SHOWN REPRESENTS TYPICAL CONSTRUCTION FOR THE KASTLE-WALL SYSTEM ADJOINED WITH A BUNKER BLOCK.
2. THE KASTLE-WALL IS TO BE CONSTRUCTED AT A 6.57° BATTER. THE LEVELING PAD FOR THE KASTLE-WALL IS TO BE CONSTRUCTED AT A 3° ANGLE AS SHOWN. THE NATURAL SETBACK OF THE KASTLE-WALL IS 1:16 (3.57° BATTER).
3. THE BUNKER BLOCK IS TO BE SET 2" IN FROM THE PROPERTY LINE AS SHOWN. THE VOID BETWEEN THE KASTLE-WALL AND BUNKER BLOCK IS TO BE FILLED WITH 3/4" CRUSHED STONE. ALSO FILL THE VOID BETWEEN THE BUNKER BLOCK AND ROCK CUT 3/4" CRUSHED STONE. THE BUNKER WALL IS TO BE COSTRUCTED VERTICALLY (0° BATTER).

GENERAL NOTES:

4. THE GEOGRID REINFORCEMENT IS TO EXTEND FROM THE BEGINNING OF THE KASTLE-WALL, THRU THE BUNKER BLOCK AND UP THE BACK 24" AS SHOWN. THE GEOGRID IS TO BE MIRAGE EXT..
5. PLACE A 4" DIA CORRUGATED PVC PIPE W/SOCK AT THE BASE OF THE WALL AS SHOWN. OUTLET THE THE PIPE INTO THE STORM SEWER MANHOLE AT THE BASE OF WALL AS SHOWN.
6. THE EXCAVATION FOR THE GRAVITY WALL SECTION OF THE KASTLE-WALL IS TO BE 4' ONLY. FILL THE GAP BETWEEN THE KASTLE-WALL AND ROCK CUT WITH 3/4" CRUSHED STONE.



TYPICAL WALL SECTION

LICENSED PROFESSIONAL ENGINEER
MICHAEL ROBERT JOHNSON
15610
IOWA

recon™
Retaining Wall Systems