



Williams Drive Burnsville, MN

The customer had to replace a failing timber wall ranging in height from 4' to 9' along a busy suburban street. It was important to the City of Burnsville that (a) minimal disruption to the existing property owners take place during construction, (b) several existing power poles remain in place during construction to avoid considerable expenses of moving them, (c) the wall be built without geo-grids, and (d) the wall be very durable given that it was just 3 feet from the road and in the snow / salt spray zone.



For more information on ReCon products and services, please visit www.reconwalls.com, or call 952-922-0027



Project: Williams Drive

Location: Burnsville, MN

Product: ReCon Series 50 Gravity Wall

ReCon Manufacturer: Cannon Precast

Wall Area: 4,140 SF

Wall Contractor: Valley Paving, Inc.

Engineer: MRJ Engineering, Inc.

ReCon was asked to study the site and propose a solution. With the help of ReCon's consulting engineer, a proposal to build the wall as a gravity wall was developed. Significant excavation was avoided. Time and money was saved. A great looking wall was created.





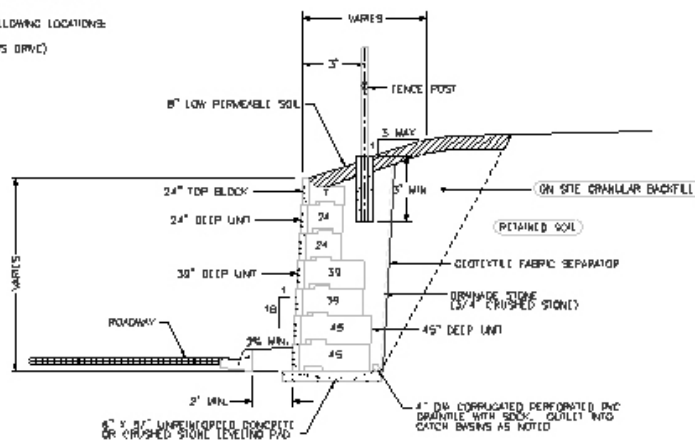
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- Property Line and Excavation Issue...9' 4" wall required to replace failing timber wall. Could not excavate into existing property owners yards. Could not disturb existing power poles behind wall.
- Durability Issue...face of wall was just 2 feet from busy street curb. Lots of road salt spray. Wanted durability of wet-cast air entrained concrete.
- Solution...ReCon Gravity Wall.



NOTES:

1. THE SECTION SHOWN REPRESENTS TYPICAL CONSTRUCTION FOR THE RECON RETAINING WALL SYSTEM.
2. SEE MANUFACTURER INFORMATION FOR ADDITIONAL DETAIL ON THE RECON RETAINING WALL SYSTEM.
3. PLACE SONDTUBES AT FENCE POST AND GUARD RAIL LOCATIONS DURING WALL CONSTRUCTION. DO NOT PLACE CLOSER THAN 5' TO FACE OF WALL AS SHOWN.
4. GRIND FENCE OR GUARD RAIL POSTS INTO SONDTUBES.
5. BACKFILL THE EXCAVATION WITH ON-SITE GRANULAR (SP-3M) MATERIAL ONLY.
6. BUILT THE 4" DRAINAGE PIPE AT THE FOLLOWING LOCATIONS: WILLIAMS DRIVE: STATION 21+50; HARMONY DRIVE: STATION 25+40 (WILLIAMS DRIVE)



TYPICAL WALL SECTION