

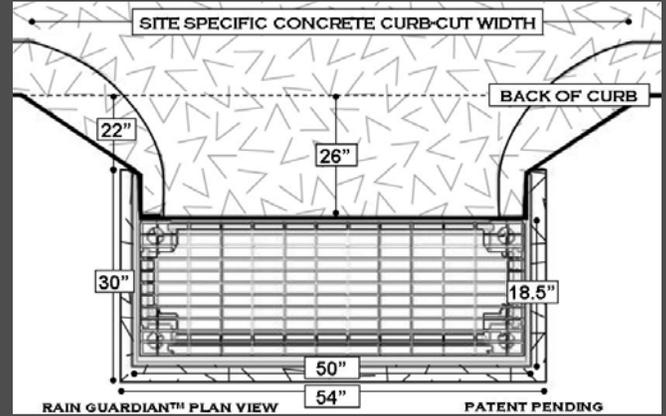
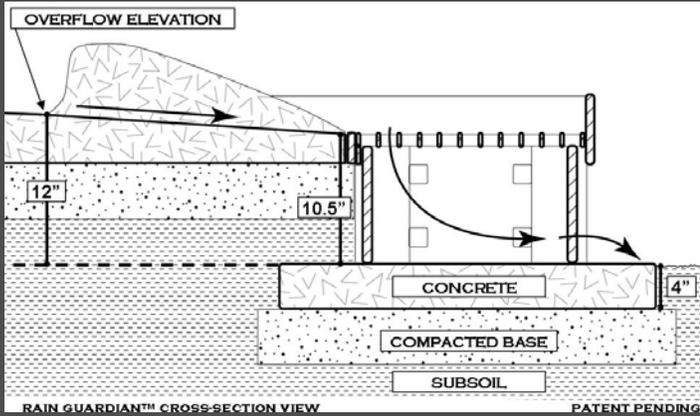
RAIN GUARDIAN™ INSTALLATION



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
(763) 434-2030 (MF 8:00-4:30)
WWW.ANOKASWCD.ORG



OVERVIEW



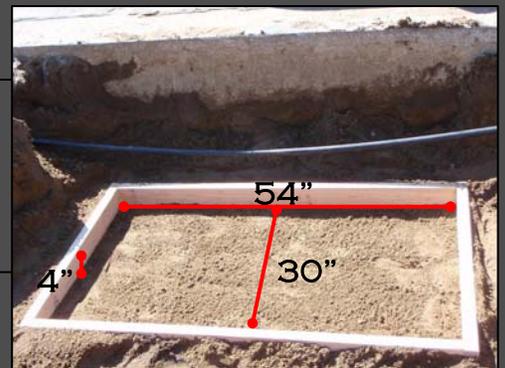
SLAB DIMENSIONS, DISTANCE FROM CURB, AND CHAMBER ELEVATION VARIES WITH SITE CONDITIONS. THE TOP OF THE METAL GRATE, HOWEVER, SHOULD BE 1.5" - 2" BELOW THE GUTTER AND THE CONCRETE SLAB SHOULD EXTEND WELL BEYOND THE FILTER WALL TO SERVE AS A SPLASH DISSIPATER.

CONCRETE BASE



EXCAVATE 16" BELOW THE DOWNSTREAM GUTTER ELEVATION (I.E. THE RAIN GARDEN OVERFLOW ELEVATION) TO ACCOMMODATE THE 4" CONCRETE BASE. THEREFORE, THE TOP OF THE CONCRETE BASE IS 12" BELOW THE RAIN GARDEN OVERFLOW ELEVATION.

THE CONCRETE BASE IS SET 22" FROM THE BACK OF THE EXISTING CURB AND CENTERED ON THE PROPOSED CURB-CUT. THE CONCRETE IS THEN POURED INTO A WOODEN FRAME WITH INTERIOR DIMENSIONS OF 54"L x 30"W x 4"H.



REBAR IS PLACED DIAGONALLY AFTER 2" OF CONCRETE HAVE BEEN POURED TO PROVIDE REINFORCEMENT OF THE CONCRETE BASE.

RAIN GUARDIAN PLACEMENT AND SECURING



RAIN GUARDIAN PLACEMENT IS SET 26" FROM THE BACK OF THE EXISTING CURB. ENSURE THE CONCRETE BASE EXTENDS AT LEAST 4" BEYOND THE FILTER WALL TO SERVE AS A SPLASH DISSIPATER. APPLY ADHESIVE TO BASE OF RAIN GUARDIAN AND POSITION ON CONCRETE BASE. USE ADDITIONAL ADHESIVE AROUND BASE OF INTERIOR TO ESTABLISH WATER-TIGHT SEAL. USING PILOT HOLES IN CORNER POSTS, DRILL 3/16" HOLES INTO CONCRETE WITH 6 1/2" MASONRY BIT AND HAMMER DRILL. SECURE WITH 1/4" X 5" MASONRY SCREWS (PROVIDED).

CURB-CUT AND APRON



WHEN POURING THE CONCRETE INLET, ENSURE THE CARRIAGE BOLTS ON THE RAIN GUARDIAN ARE SURROUNDED BY AT LEAST 2" OF CONCRETE ON ALL SIDES. THE TOP OF THE RAIN GUARDIAN GRATE WILL BE 10.5" ABOVE THE TOP OF THE CONCRETE BASE AND 1.5" BELOW THE RAIN GARDEN OVERFLOW ELEVATION TO ACCOMMODATE A SLOPED APRON FROM THE GUTTER TO THE RAIN GUARDIAN.



FILL VOID BETWEEN EXISTING CURB AND RAIN GUARDIAN. INSTALL FRAMING TO PREPARE FOR CURB-CUT AND APRON INSTALLATION. SIDES OF APRON SHOULD BE RAISED SIGNIFICANTLY TO BLEND INTO CURB AND MATCH TOP HEIGHT OF RAIN GUARDIAN SIDE DEBRIS WALL.



MAINTENANCE



SEDIMENT, LEAVES, AND GRASS CLIPPINGS TRAPPED INSIDE THE CHAMBER ARE EASILY REMOVED BY THE LANDOWNER WITH A SHOVEL. THE DROP-IN FILTER WALL CAN BE EITHER SWEEPED CLEAN OR RINSED WITH A GARDEN HOSE TO MAINTAIN OPTIMAL FILTRATION CAPACITY.

