

CASE STUDY

HP Storm Chosen over RCP for Alameda County Storm Drain Sunol, CA

OWNER

Caltrans District 4, Oakland, CA

ENGINEERS

WMH Corporation, San Jose, CA

CONTRACTOR

Bay Cities Paving & Grading, Fremont, CA

INSTALLATION DATE

Summer 2021

PRODUCTS

5,700' (1,737 m) of 18" (450 mm) HP Storm
400' (122 m) of 24" (600 mm) HP Storm
2,160' (658 m) of 30" (750 mm) HP Storm
3,600' (1,097 m) of 36" (900 mm) HP Storm
920' (280 m) of 42" (1050 mm) HP Storm
2,320' (707 m) of 48" (1200 mm) HP Storm
460' (140 m) of 60 (1500 mm) HP Storm

DESCRIPTION

Caltrans District 4 and Caltrans Headquarters have a strong familiarity with HP Storm, a polypropylene pipe. The insight allowed Bay Cities Paving and Grading to request the use of HP Storm for storm drainage infrastructure at the intersection of I-680 and SR-84. SR-84 is being upgraded to expressway standards between I-580 and I-680 for connectivity in the greater San Francisco area.

HP Storm was chosen for the project after flipping the conveyance pipe from reinforced concrete pipe (RCP). HP Storm provided significant material cost savings and installation savings due to a quicker installation. In addition, HP Storm, which is manufactured in Madera, CA, saved on transportation costs.

HP Storm polypropylene pipe provides a greater pipe stiffness for a longer service life and a premium joint performance. The smooth interior wall offers additional strength as well as superior flow. Polypropylene is an inert material and is resistant to the effects of chemicals, abrasion, hot soils and effluent.



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