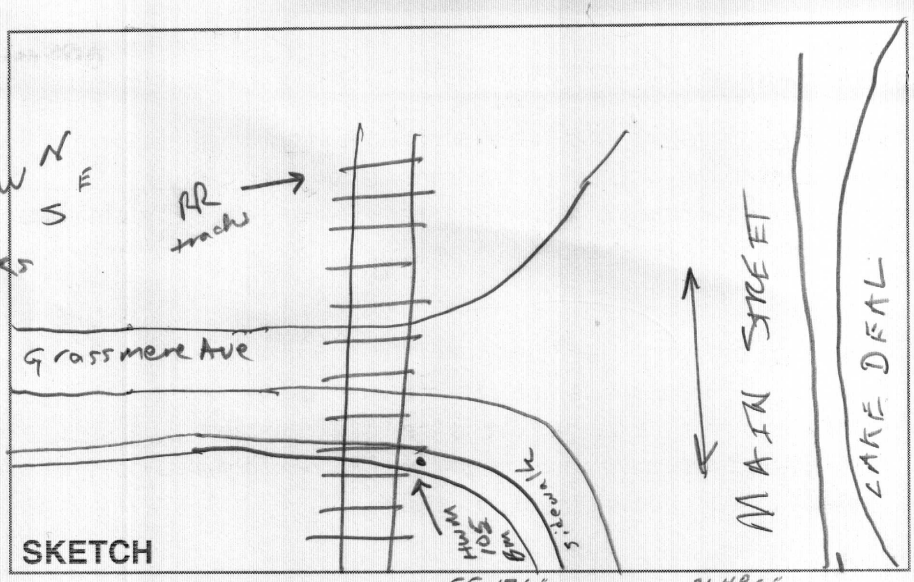
USGS
science for a changing world

High-Water Mark Documentation

River/stream:
Road name: Grassmere Ave @ RR. tracks
Site number: HWM-NJ-MON-105
County: MONMOUTH
Municipality: Asbury Park
Party: DAL / DPS
Date: 11/1/2012
Horizontal datum used: circle: 1927 NAD / 1983 NAD
Vertical datum used: circle: 1929 NGVD / 1988 NAVD



HWM# 105
circle: excellent / good / fair / poor
location: 5' feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe) of pine needles on concrete found HWM on (describe): sidewalk
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe) concrete hammer-in anchor w/USGS survey marker
Distance of HWM above ground (in feet): shot 1 = 10.281' shot 2 = 10.362' } = 10.322' = x̄
GPS reading: lat 40° 13' 55.176" long 74° 0' 31.486" (good/poor)
Photo# 794, 795, 796, 797 east of RR tracks on sidewalk, SOF Grassmere Ave sidewalk.

HWM#
circle: excellent / good / fair / poor
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
HWM is: seed line / mud line / debris line / other (describe) found HWM on (describe):
HWM marked with: paint / hub / rebar / nail / PK nail / chiseled mark / other (describe)
Distance of HWM above ground (in feet):
GPS reading: lat° ' " long° ' " (good/poor)
Photo#

NOTE: STACKED DAY AT BM DM6981; Given: 16.38'
SHOT 1 = 16.184' SHOT 2 = 16.161 x̄ = 16.1725' ; .023' diff'y - V = .04

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HWM# GPS reading: lat___° ___' ___" long___° ___' ___" (good/poor)
circle: excellent / good / fair / poor Photo#
location: ____ feet u.s. / d.s. / r.b. / l.b. of bridge / dam
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Notes: