HERITAGE SURVEYS, INC.

Professional Surveyors and Engineers
241 College Hwy & Clark St, P O Box 1
Southampton, Massachusetts 01073-0001

Bruce A. Coombs, President
Professional Surveyor, MA, CT & VT
E-mail: bruce@heritagesurveys.com

Telephone (413) 527-3600
Facsimile (413) 527-8280
Website: heritagesurveys.com

July 29, 2015

City of Northampton
Department of Public Works
Attn: Douglas S. McDonald
125 Locust Street
Northampton, MA 01060

RE: Beaver Brook Estates
Chestnut Street Extension
& Evergreen Road
Northampton, MA
HSI Job #3923-121106

Dear Mr. McDonald,

On behalf of our client Patrick J. Melnik, we are filing an As-built Basin Plan, dated July 29, 2015 that shows modifications made to Basins 1P and 3P, as well as the construction of Basins 2P - 4P (basin combined), 5P and 6P and revised Drainage Calculations reflecting the current as-built data. The As-Built Stormwater Management System Drainage Calculations contains two (2) tables entitled "As-built Stormwater System vs Proposed Construction Drainage System Summary" and "Basin Volume Summary Table" which demonstrate that the modifications made to Basin #1 & 3, as well as the other basins on the site meet or exceeds the original approved design. The overall volume provided with the As-built Basins exceeds the originally proposed design and the peak discharges for the 2, 10 and 100 year storm event have been reduced from the originally proposed design.

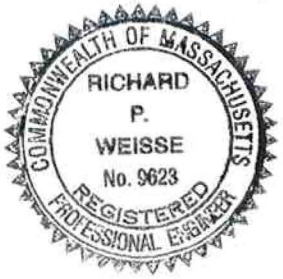
Five (5) concrete dry wells with cast iron catch basin covers have also been installed as shown on the approved plans. Three (3) dry wells have been installed in front of unit's #2-5; two (2) dry wells were installed on either side of unit #8. The dry wells are not connected into the roadway drainage system. The concrete dry wells were supplied by Arrow Concrete Products product number AC-D-250 H and were installed in stone. The detail sheet of the dry well is attached. Other dry wells will be installed for the units that have already been constructed.

If you have any question regarding the above information please contact this office.

Sincerely,

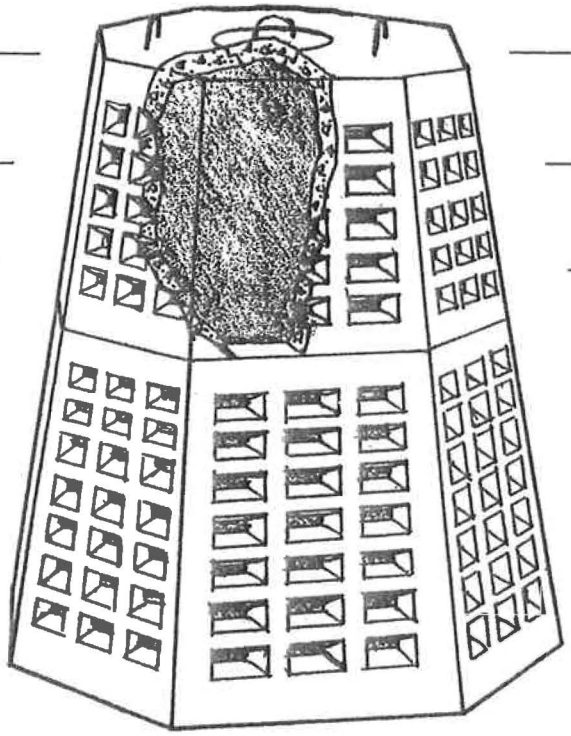
Richard P. Weisse

Richard P. Weisse, P.E.



cc: Patrick J. Melnik (by e-mail)
Carolyn Misch, Northampton Office of Planning & Sustainability (by e-mail)
Louis Hasbrouck, Northampton Building Commissioner (by e-mail)

"PROGRESS IN PRECAST"

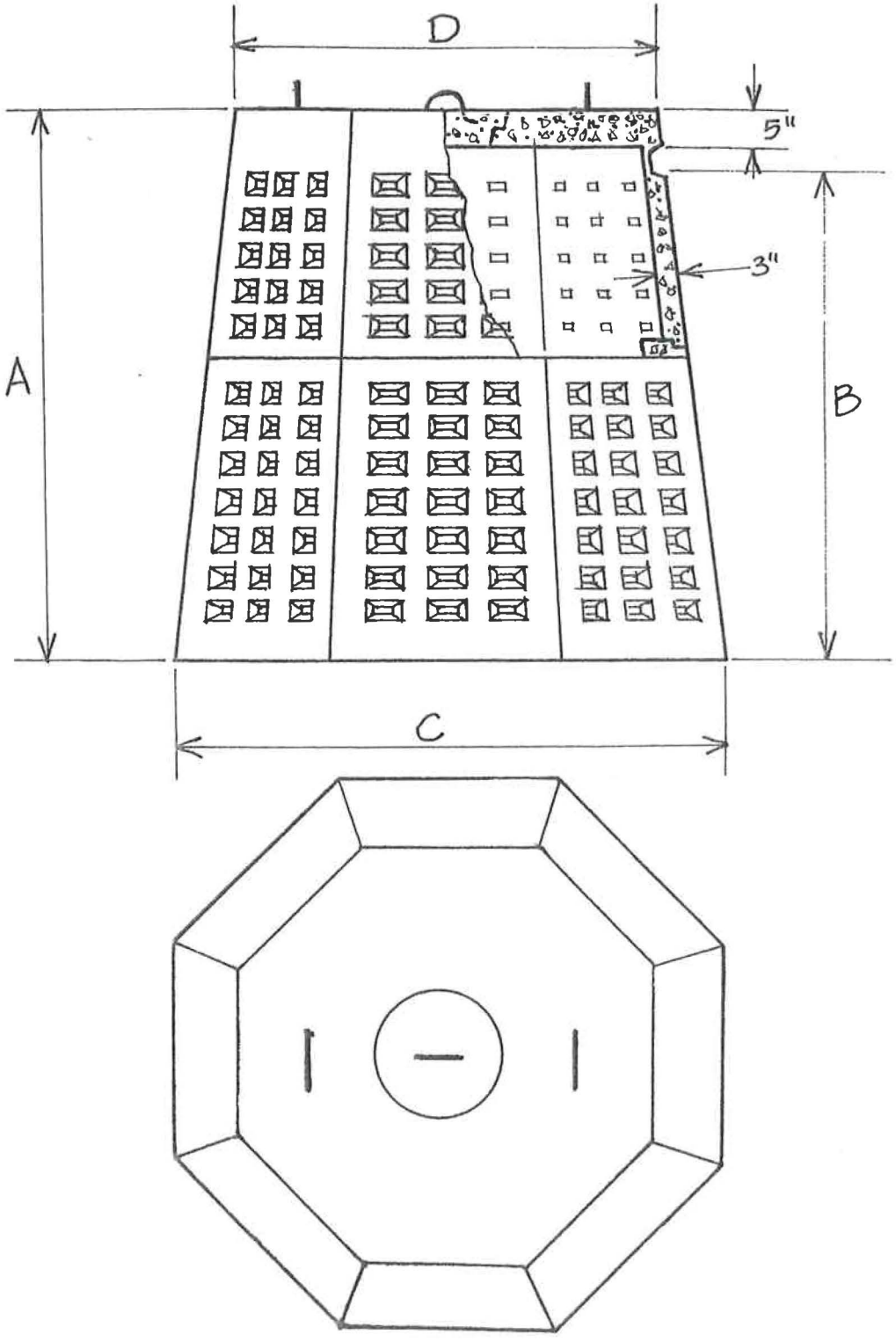


AC-DRYWELL

HEXAGON

560 COLLEGE HIGHWAY
GRANBY, CONNECTICUT 06035
(203) 653-5063

PROD #	A	B	C	D
AC-D-250 H	2'-10"	2'-1"	5'-8"	5'-0"
AC-D-750 H	4'-0"	3'-2"	6'-6"	5'-8"
AC-D-1000 H	6'-5"	5'-7"	6'-6"	5'-0"



DESIGN NOTES

1. Concrete - 4000 p.s.i., 28 days
2. Reinforcement - steel wire mesh 6" x 6", 10 ga. and #3 RR BAR