finished grade
12" max.
inlet
2'
6'
¾" – 1½" gravel
6'
8'
DRAINAGE BASIN
(detail not to scale)

DRAINAGE AREA CALCULATIONS:
Soil Permeability: 10 ft./day (assumed avg.)
Roof runoff calculations:
 −100 year storm: 1−hr event = 3" of rainwater
 −roof area = 480 S.F.
  Runoff volume = 120 cu.ft.

Infiltration rate and storage
 Infiltration:
 −infiltration rate = 120 cu.ft. per pit (@ k=10 ft/day)
  Infiltration = 120 cu.ft./hr.

 Storage:
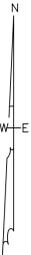 −301 cu.ft. per pit.

Total Capacity = storage + infiltration
 Total capacity = 120 cu.ft. + 301 cu.ft./hr.
 Total capacity = 421 cu.ft./hr.

Everett Avenue

N
W—E
S

±88'
6.4'
SB found

Two Existing
1 Bedroom
Apartments

#111 Dukes County Avenue
Assr.-Pcl 11-211
Area = 10,751 Sq.ft.

Existing
2 Bedroom
House

9.4'

4.1'

James Winslow Parr
Assr. Pcl. 11−212

±112'
5'

Proposed
1 Bedroom
Structure

Deck

1.7'

Proposed Sewer Pump

Existing
Steel Building
(to be removed)

Proposed
1 Bedroom
Structure

Existing
1 Bedroom
Structure

5.5'

±110'

Dukes County Avenue

5.1'

Existing
1 Bedroom
Structure

Brendan & Molly Coogan
Assr. Pcl. 17−20

±10'
5'

Proposed
1 Bedroom
Structure

Existing
1 Bedroom
Structure

6.6'

edge of pavement

edge of pavement

Patio

3'

Existing
1 Bedroom
Structure

6.7'

±90'

±10'

Brian Packish
Assr. Pcl. 11−210

2.8'

Legend:

—S— ..... Denotes proposed sewer line
—W— ..... Denotes proposed electric line
—E— ..... Denotes proposed waterline
— — — ..... Denotes proposed gutter drain
⊘ ..... Denotes proposed 8' dia. x 6' deep drainage pit

Notes:
1. footprint of conditioned residential space = ±4,863 SF
2. lot area = ±10,751 SF
(coverage = ±45% of lot)

Site Plan in
Oak Bluffs, Mass.
Prepared for
Brian Packish
Scale 1" = 10'
January 7, 2018

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Job No. 1876