

DATE: 9-30-09
TO: Alice Meyers
FROM: Dave Spitzer
SUBJECT: Dekum Corner Green Roof

Following is a summary of the two green roofs that were recently installed at 820 NE Dekum and 6677 NE Durham (all the same tax lot but several different structures).

820 NE DEKUM – ECO ROOF ABOVE COMMERCIAL

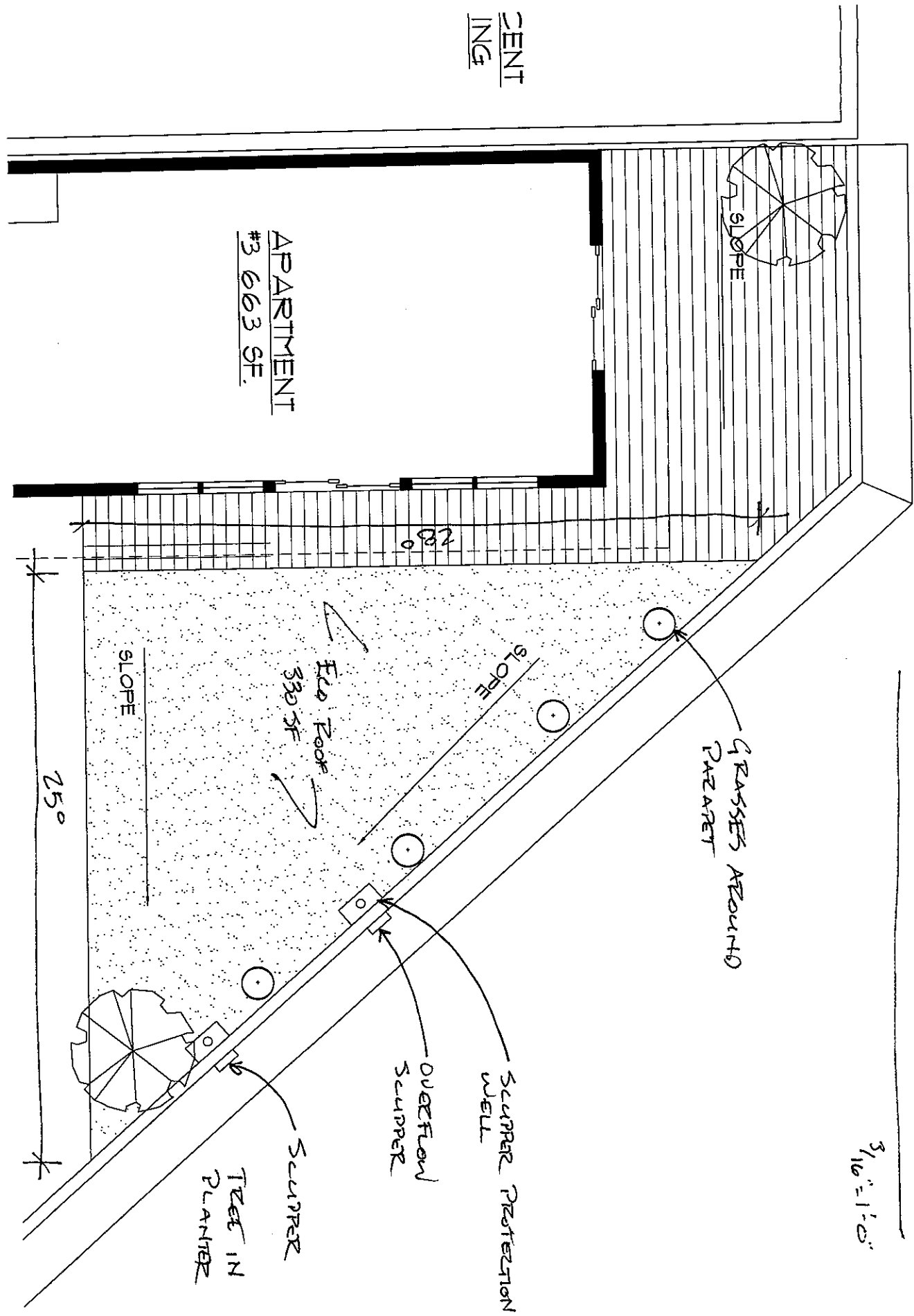
- Plants installed 9-18-09
- 330 sf in size
- Existing roof over asphalt and tar had to be removed.
- Existing wood structure of 2x8's @ 16" o.c. had to be reinforced with additional 2x8's and the main beam also had to be reinforced.
- New spray on 3# roofing foam insulation was applied ontop of the new plywood sheathing for an r-value of approximately R-21 (3" in depth).
- 50 mil Polyurea with white elastomeric top coat used as waterproof layer.
- Enkadrain 3811R was used as drainage layer
- 80% pumice green roof growing media was used from Phillips soils.
- Soils to depth of approximately 4".
- Cuttings of a variety of sedums where 'sprinkled' over the growing medium.
- Irrigation is by hand until established – that means daily watering for the first two months until rainy season starts.

6677 NE DEKUM – ECO ROOF OVER TRASH ENCLOSURE

- Plants installed 9-18-09
- 133 sf in size
- New construction – wood roof with concrete block walls.
- 50 mil Polyurea with white elastomeric top coat used as waterproof layer over t&g plywood decking.
- Enkadrain 3811R was used as drainage layer
- 80% pumice green roof growing media was used from Phillips soils.
- Soils to depth of approximately 6".
- Cuttings of a variety of sedums where 'sprinkled' over the growing medium.
- Irrigation is by hand until established – that means daily watering for the first two months until rainy season starts.

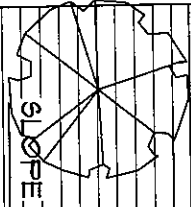
Eco Roof Above Commercial

3/16" = 1'-0"



APARTMENT
#3 663 SF.

CENT
RING



GRASSES AROUND PERIMETER

SCURPER PROTECTION WELL

OVERFLOW SCURPER

SCURPER

TREE IN PLANTER

Eco Roof 330 SF

SLOPE

SLOPE

250

280

Project: Structural Design for Commercial Remodel - Dekum Corner
 Location: 818 NE Dekum St., Portland, OR
 Client: DMS Architects

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 Job #: AE838
 Date: Sept 28, 2009

ROOF FRAMING DESIGN @ TRIANGULAR ROOF

- LOADS: 40 PSF LIVE FLOOR @ DECK. W_1
 25 PSF LIVE SNOW @ GREEN ROOF W_2
 15 PSF DEAD - ROOF FRAMING W_3
 25 PSF DEAD - GREEN ROOF W_4

