

**Construction Package**



# Snowmelter

Image Source: Hormiguita Viajera mir., "Snow day in Adams Morgan," 5 March 2015, via Flickr CC BY 2.0



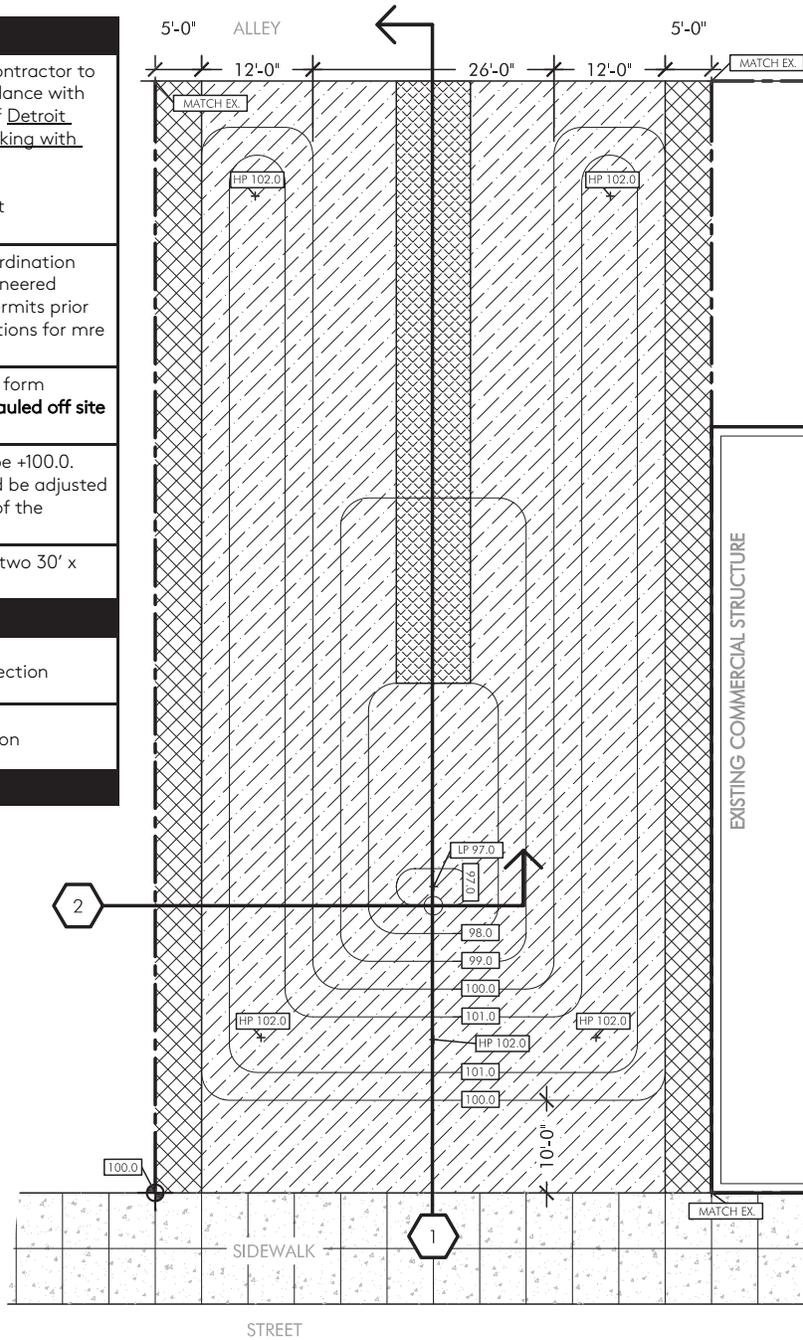
# Snowmelter Construction Plan

Design Notes	
1.	It is the responsibility of the contractor to construct treatment in accordance with the published specifications of <u>Detroit Future City Field Guide to Working with Lots.</u>  This information is available at <a href="http://www.DFC-lots.com">www.DFC-lots.com</a>
2.	This lot design will require coordination with an engineer. Obtain engineered drawings and all necessary permits prior to construction. See specifications for mre information.
3.	Utilize soil from excavation to form earthwork. <b>Excess soil to be hauled off site by contractor.</b>
4.	Existing grade is assumed to be +100.0. Grades are relative and should be adjusted to work with the topography of the selected site.
5.	This lot design is intended for two 30' x 120' commercial lots.

Keyed Notes	
	See Detail 1 - R.O.W to Alley Section
	See Detail 3 - Basin Wall Section

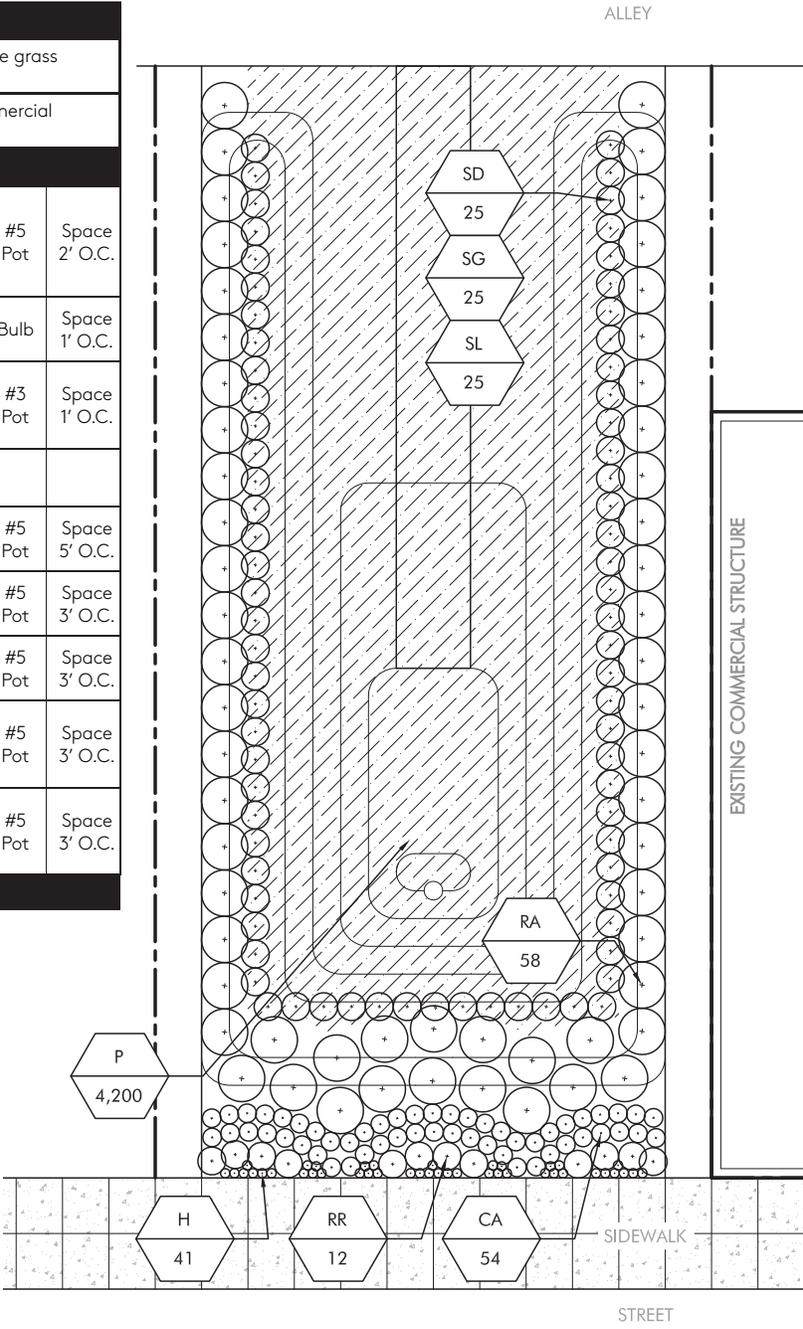
Legend	
	Property Line
	Contour
	Spot elevation
	High Point
	Low Point
	Point of Beginning
	Landscape Area
	Gravel Path
	Concrete Grass Paver



# Snowmelter Planting Plan

Planting Notes				
1.		Sow seed in opening in concrete grass paver.		
2.		Mix Daffodils throughout commercial R.O.W. plantings.		
Plant List				
CA	54	Karl Foerster Feather Reed Grass <i>Calamagrostis acutiflora</i> 'Karl Foerster'	#5 Pot	Space 2' O.C.
D	500	Daffodils <i>Narcissus</i>	Bulb	Space 1' O.C.
H	41	Stella De Oro Daylily <i>Hemerocallis x 'Stella De Oro'</i>	#3 Pot	Space 1' O.C.
P	4,200 SF	Detroit Basin Floor Mix for Wet Areas Seed Mix		
RA	58	Gro-Low Sumac <i>Rhus aromatica</i> 'Gro-Low'	#5 Pot	Space 5' O.C.
RR	12	Double Knock Out Rose <i>Rosa x 'Radtko'</i>	#5 Pot	Space 3' O.C.
SD	25	Double Play Artist Spiraea <i>Spiraea japonica</i> 'Galen'	#5 Pot	Space 3' O.C.
SG	25	Golden Princess Spiraea <i>Spiraea japonica</i> 'Golden Princess'	#5 Pot	Space 3' O.C.
SL	25	Lemon Princess Spiraea <i>Spiraea japonica</i> 'Lemon Princess'	#5 Pot	Space 3' O.C.

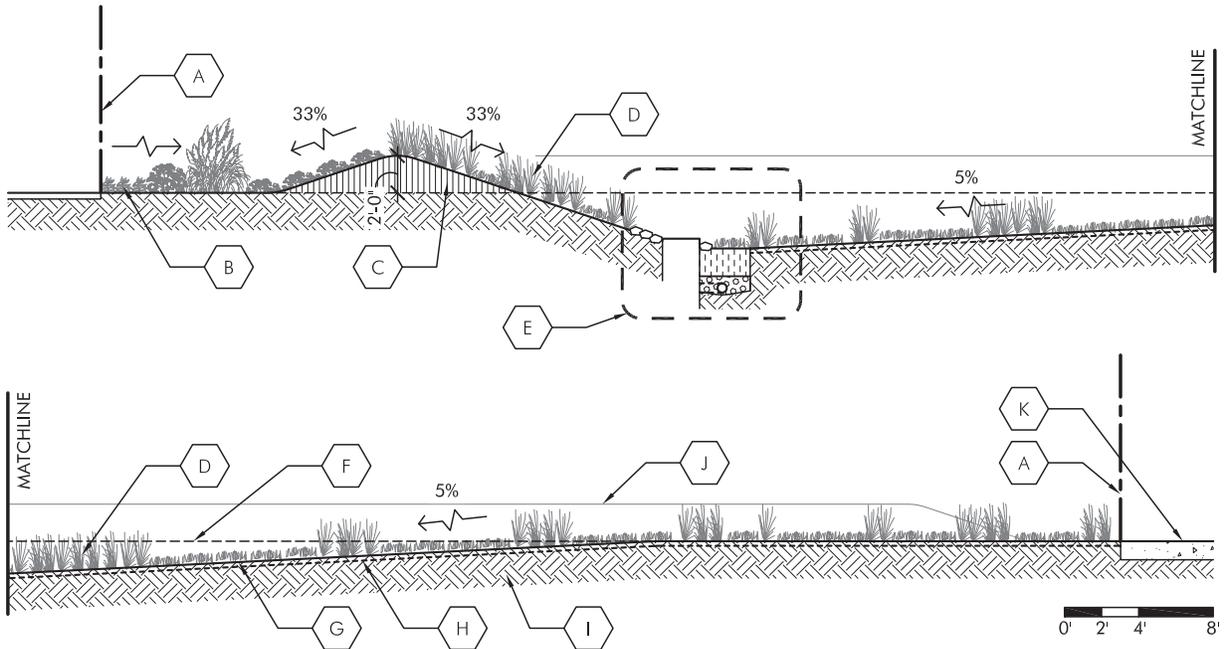
Legend	
	Property Line
	Detroit Basin Floor Mix for Wet Areas seed mix
	Shrub or Perennial



# Snowmelter Details

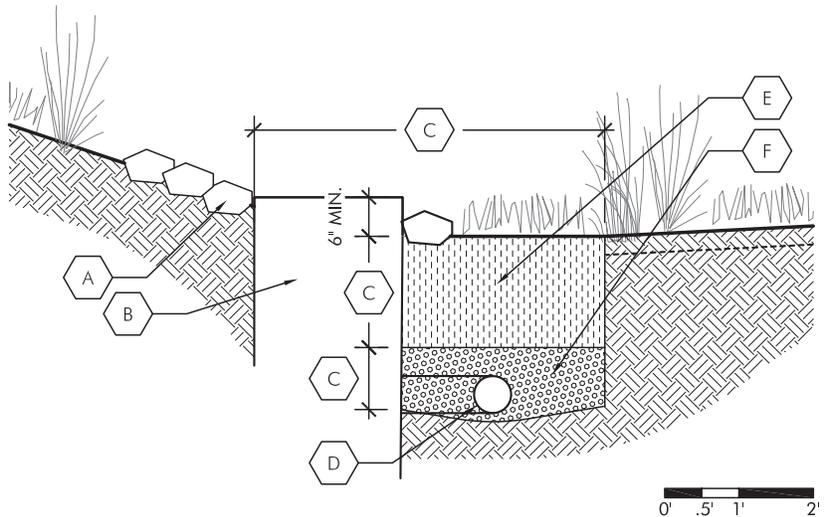
## Detail 1 - R.O.W. to Alley Section

- |  |   |
|--|---|
|  Property line - ensure water does not flow onto adjacent property. |  Proposed finish grade                                     |
|  R.O.W. planting - see planting plan.                               |  Grass paver. See Detail 4 - Concrete Grass Paver Section. |
|  Soil fill from excavation  |  Existing soil   |
|  Plantings and seed mix - see planting plan.                        |  Berm beyond   |
|  See Detail 2 - Infiltration Area                                   |  Alley   |
|  Existing grade   |   |



## Detail 2 - Infiltration Area

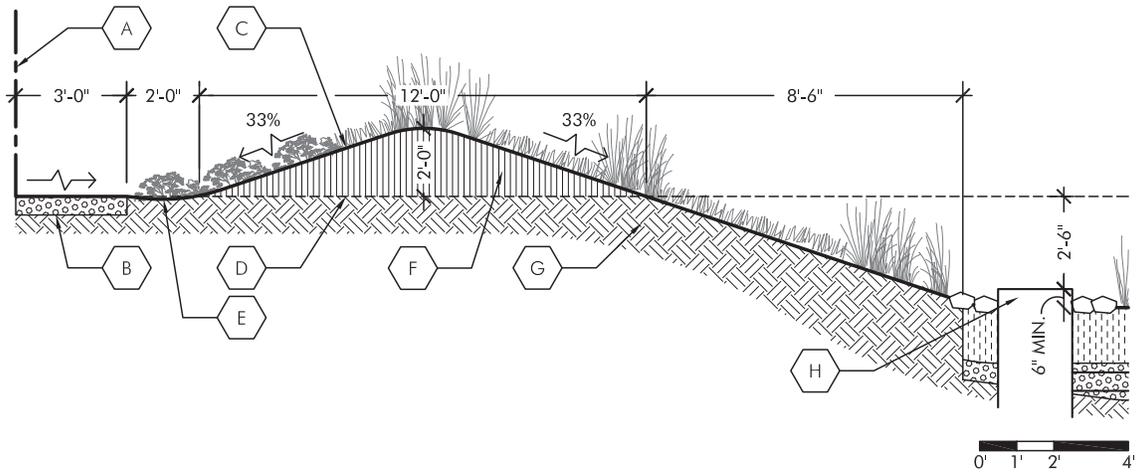
- |  |  |
|--|--|
|  24" - 36" Dia. stone - Embed 50% into soil.  |  Rain garden planting soil                                  |
|  Overflow invert with drainage grate - elevate 6" min. above lowest point.                                  |  3/4" dia. clear crushed stone, or as specified by engineer |
|  Width of infiltration area, depth of planting soil, and depth of crushed stone to be detailed by engineer. |  |
|  Perforated drainage pipe. Consult engineer for specification and size.                                     |  |



# Snowmelter Details

## Detail 3 - Basin Wall Section

- A Property line - slope grade to prevent stormwater runoff onto adjacent property.
- B 6" Thick 3/4" dia. clear crushed stone
- C Proposed finish grade
- D Existing grade
- E Swale to direct water around berm and into infiltration area
- F Soil fill using excavation from infiltration area
- G Existing soil
- H Overflow invert. See Detail 2 - Infiltration Area.



## Detail 4 - Concrete Grass Paver Section

- A Concrete grass paver, fill voids with planting soil.
- B Compacted 21AA crushed stone or concrete
- C Geotextile fabric, turn up at edges
- D Existing soil
- E 2NS Leveling sand

