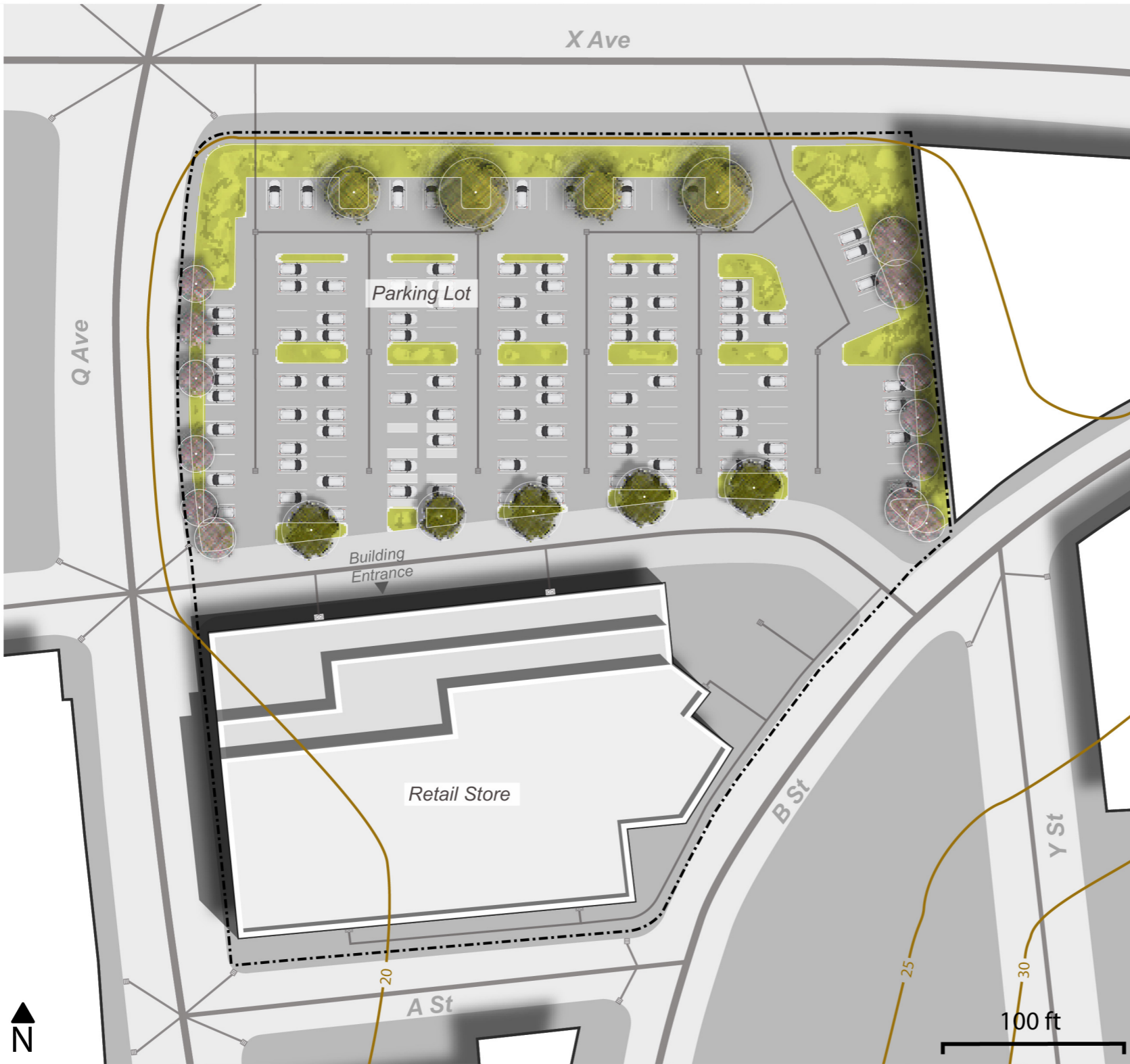


# GREEN INFRASTRUCTURE GRANT PROGRAM

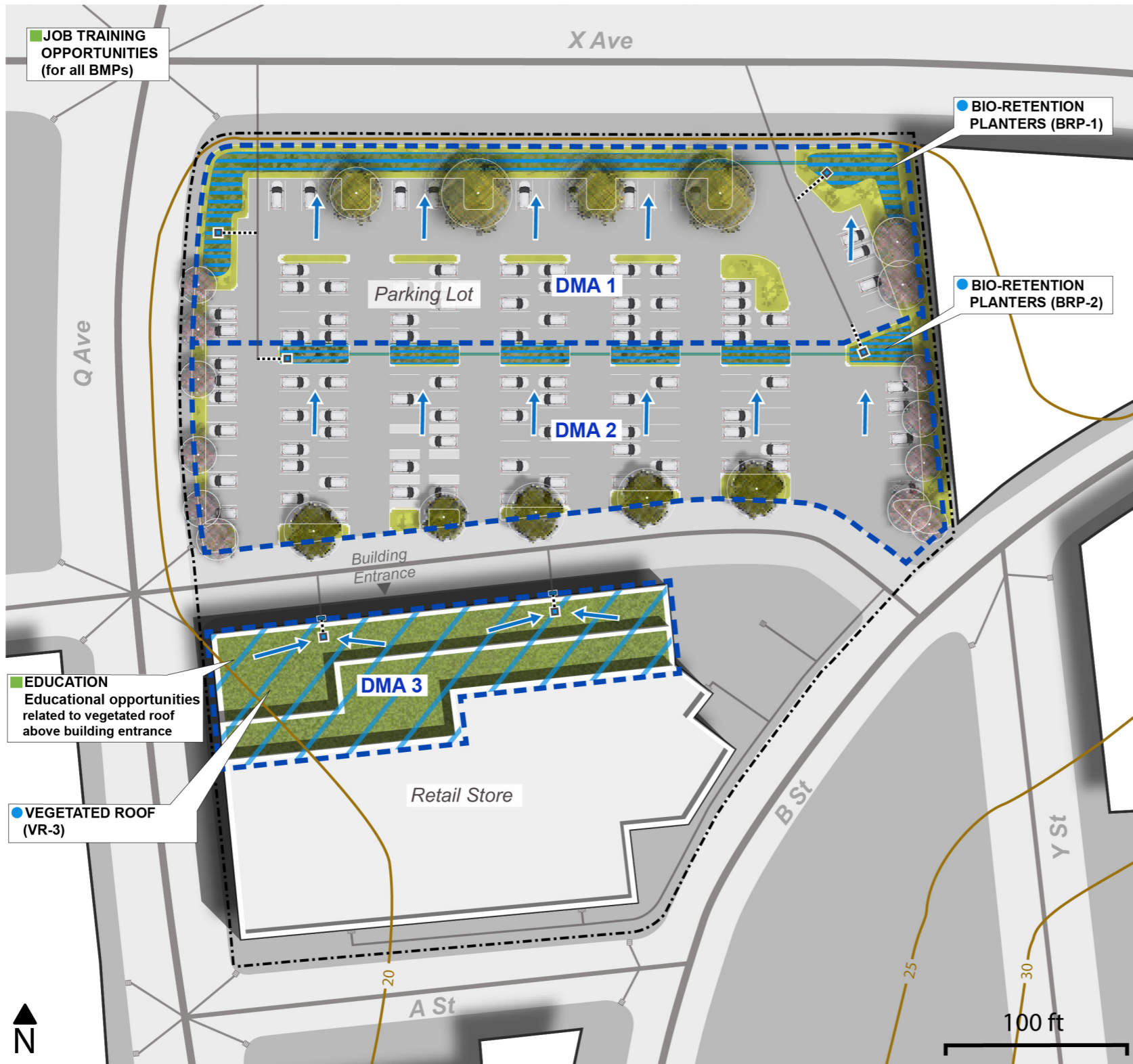
PROJECT CONCEPT EXAMPLE : PRIVATE PARCEL

DRAWING 1: EXISTING CONDITIONS



## LEGEND

- Sewer pipe Existing
- Catch basin Existing
- Downspout
- Traditional planter Existing
- Building
- Contour line
- Property line



### LEGEND

- BMP footprint
- Bio-retention planters
- BMP footprint
- Vegetated roof
- Overflow structure
- Drainage management area (DMA)
- Sheet flow
- Sewer pipe Existing
- Catch basin Existing
- Sewer pipe Proposed
- Downspouts connected to overflow structure
- Disconnected downspout
- Traditional planter Existing
- Building
- Contour line
- Property line

### AREA SUMMARY TABLE

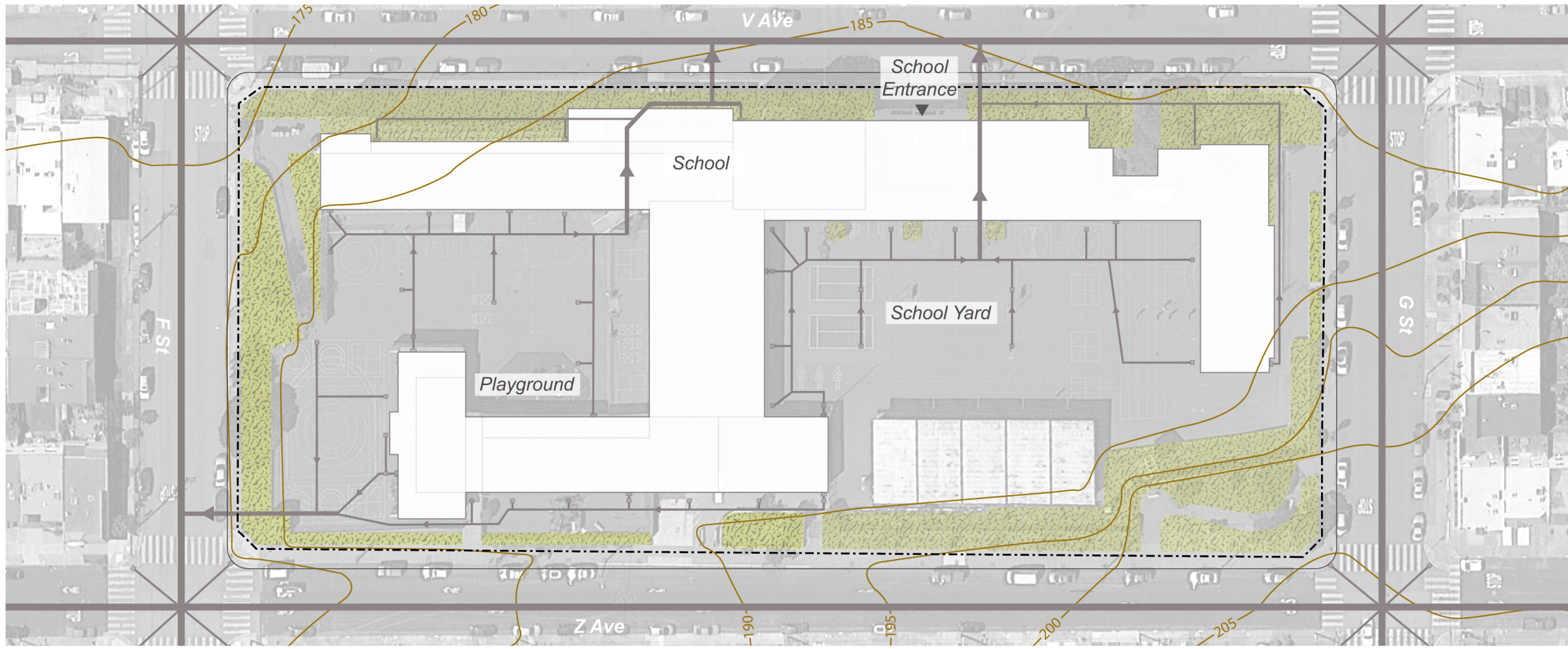
DMA	BMP ID	CONVENTIONAL SURFACES		GI BMPs (sf)		TOTAL (sf)
		PAVEMENT	TRADITIONAL PLANTER	VG	BRP	
DMA 1	• BRP-1	39,186	2,950		3,664	45,800
DMA 2	• BRP-2	39,660	3,020		2,970	45,650
DMA 3	• VR-3			16,600		16,600
TOTAL (sf)		78,846	5,970	16,600	6,634	108,050
TOTAL (ac)		1.81	0.14	0.38	0.15	2.48

### PERFORMANCE TABLE








DMA	BMP ID	% RUNOFF CAPTURED
DMA 1	BRP-1	93%
DMA 2	BRP-2	91%
DMA 3	VR-3	91%

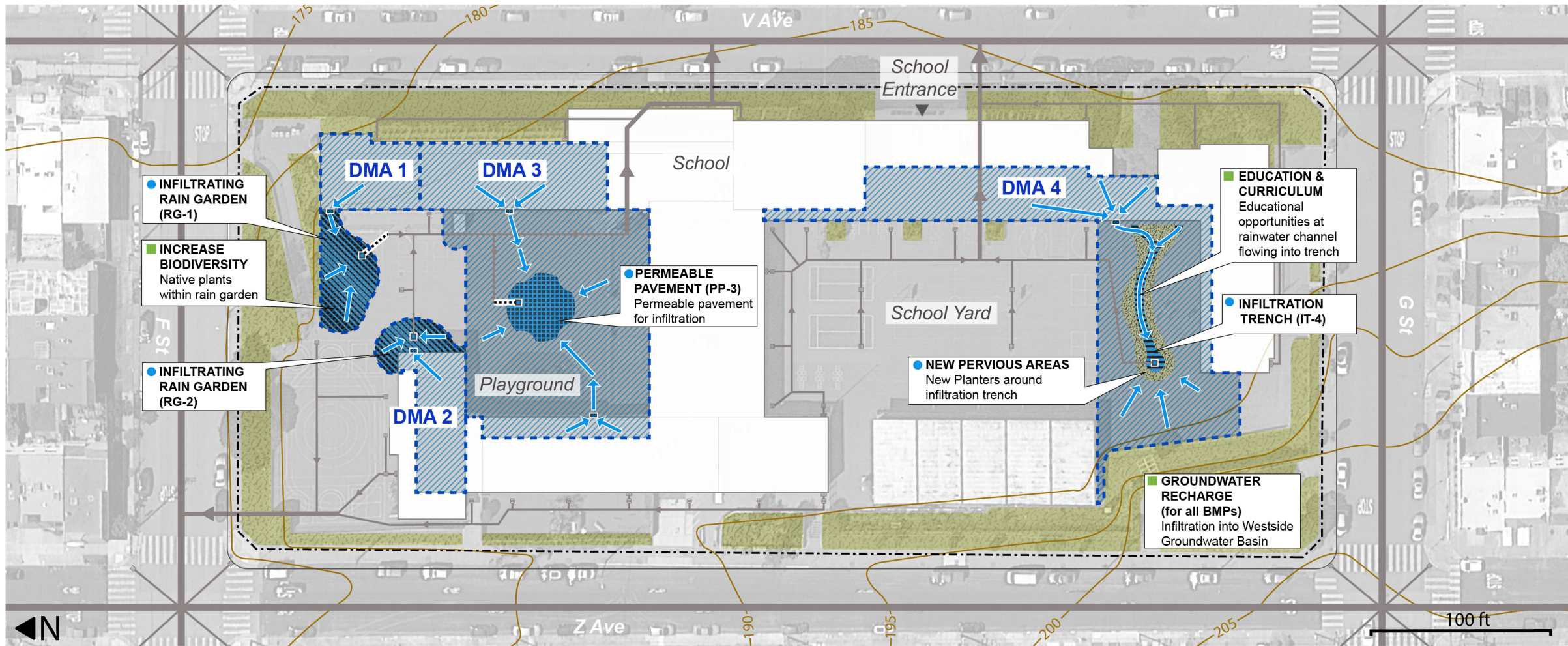
### CO-BENEFITS

- JOB OPPORTUNITIES
- EDUCATION



**LEGEND**

-  Cath basin Existing
-  Sewer pipe Existing
-  Downspout
-  Traditional planter / lawn Existing
-  Building
-  Contour line
-  Property line



**LEGEND**

- BMP footprint Rain garden
- BMP footprint Permeable pavement
- BMP footprint Infiltration trench
- Overflow structure
- Drainage management area (DMA)
- Sheet flow
- Building
- Contour line
- Property line
- Cath basin Existing
- Sewer pipes Proposed
- Sewer pipes Existing
- Disconnected downspouts
- Downspout
- Traditional planter / lawn

**AREA SUMMARY TABLE**

DMA	BMP ID	CONVENTIONAL SURFACES			GI BMPs (sf)			TOTAL (sf)
		ROOF	PAVEMENT	TRAD. PLANTER	PP	RG	IT	
DMA 1	RG-1	1,290				1,426		2,716
DMA 2	RG-2	1,205				565		1,770
DMA 3	PP-3	2,166	12,998		1,104			16,268
DMA 4	IT-4	4,579	9,100	720			316	14,715
<b>Total (sf)</b>		<b>9,240</b>	<b>22,098</b>	<b>720</b>	<b>1,104</b>	<b>1,991</b>	<b>316</b>	<b>35,469</b>
<b>Total (ac)</b>		<b>0.21</b>	<b>0.51</b>	<b>0.02</b>	<b>0.03</b>	<b>0.05</b>	<b>0.007</b>	<b>0.81</b>

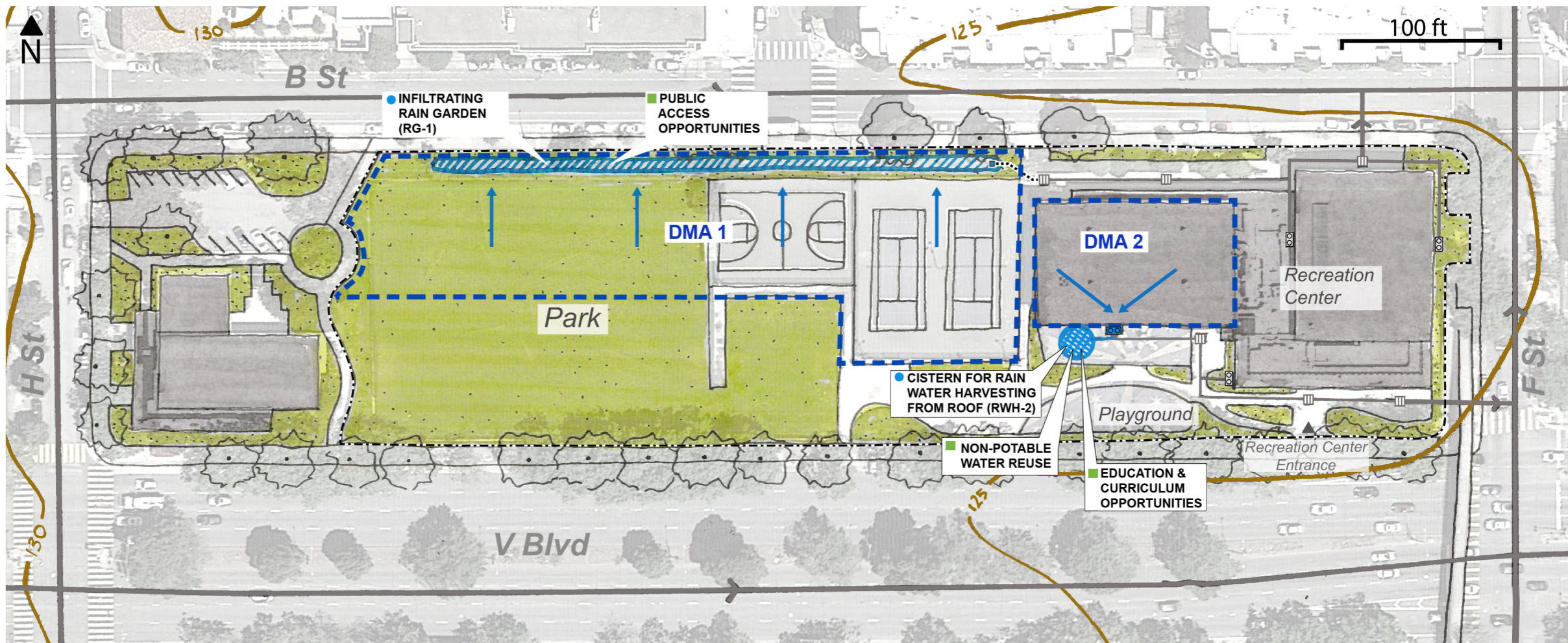
RG=rain garden; PP=permeable pavement; IT=infiltration trench

**PERFORMANCE TABLE**

DMA	BMP ID	% RUNOFF CAPTURED
DMA 1	RG-1	85%
DMA 2	RG-2	87%
DMA 3	PP-3	86%
DMA 4	IT-4	88%

**CO-BENEFITS**

- INCREASE BIODIVERSITY
- EDUCATION & CURRICULUM OPPORTUNITIES
- GROUNDWATER RECHARGE



**LEGEND**

- BMP footprint Rain garden
- BMP footprint Rainwater harvesting
- Overflow structure
- Drainage management area (DMA)
- Sheet flow
- Traditional planter / lawn Existing
- Building
- Cath basin Existing
- Sewer pipe Proposed
- Sewer Pipe Existing
- Downspout connected to rainwater harvesting tank
- Downspout
- Contour Line
- Property Line

**AREA SUMMARY TABLE**

DMA	BMP ID	CONVENTIONAL SURFACES			GI BMPs (sf)		TOTAL (sf)
		ROOF	PAVEMENT	TRAD. PLANTER / LAWN	RG	RWH	
DMA 1	RG-1		22,250	51,800	3,200		77,250
DMA 2	RWH-2	10,600				260	10,600*
<b>Total (sf)</b>		10,600	22,250	51,800	3,200	260	87,850
<b>Total (ac)</b>		0.24	0.51	1.19	0.07	260*	2.02

RG=rain garden; RWH=rain water harvesting

\* total area managed (10,600 sf) does not include cistern footprint (260 sf)