San Francisco Water Power Sewer
Services of the San Francisco Public Utilities Commission

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
- 25 Contour line
- Property line

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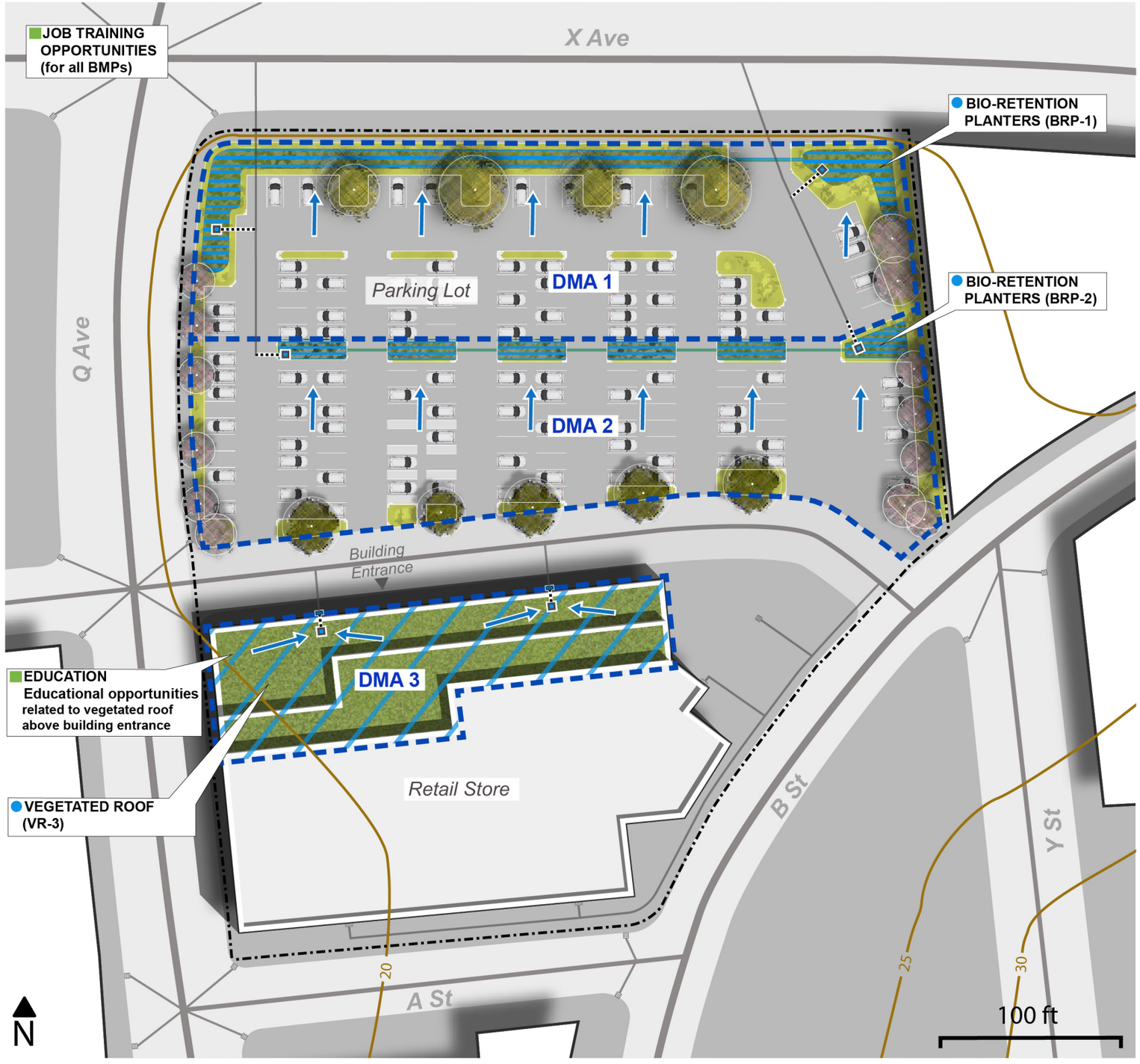
GREEN INFRASTRUCTURE GRANT PROGRAM
PROJECT CONCEPT EXAMPLE : PRIVATE PARCEL
DRAWING 2: PROPOSED SITE PLAN



LEGEND

- BMP footprint Bio-retention planters
- BMP footprint Vegetated roof
- Overflow structure
- Drainage manaagement area (DMA)
- Sheet flow
- Sewer pipe Existing
- Catch basin Existing
- Sewer pipe Proposed
- Downspouts connected to overflow structure
- Disconnected downspout
- Traditional planter Existing
- Building
- 25 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		2970	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

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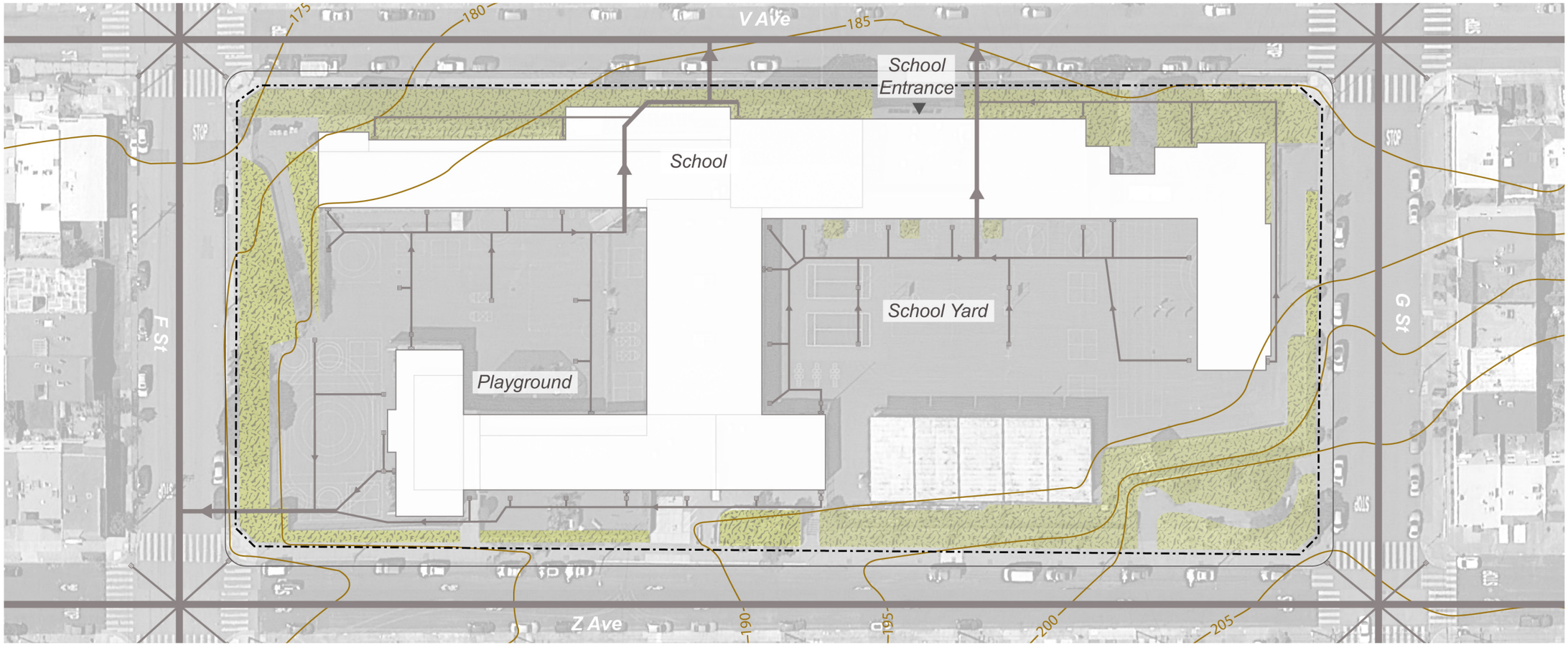
GREEN INFRASTRUCTURE GRANT PROGRAM
PROJECT CONCEPT EXAMPLE : SCHOOL
DRAWING 1: EXISTING CONDITIONS



LEGEND

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

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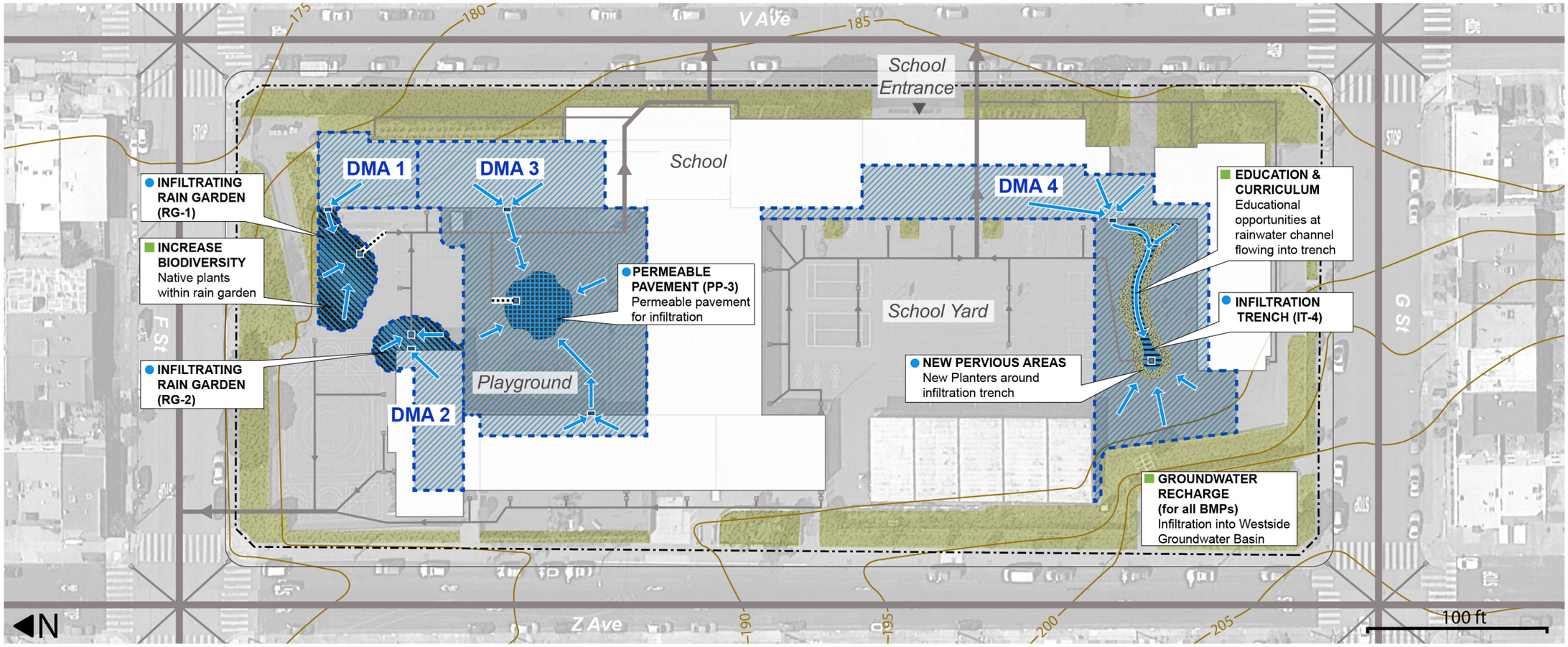
GREEN INFRASTRUCTURE GRANT PROGRAM
PROJECT CONCEPT EXAMPLE : SCHOOL
DRAWING 2: PROPOSED SITE PLAN



LEGEND

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

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
Total (sf)		9,240	22,098	720	1,104	1,991	316	35,469
Total (ac)		0.21	0.51	0.02	0.03	0.05	0.007	0.81

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 OPPORTUNTIES
- GROUNDWATER RECHARGE

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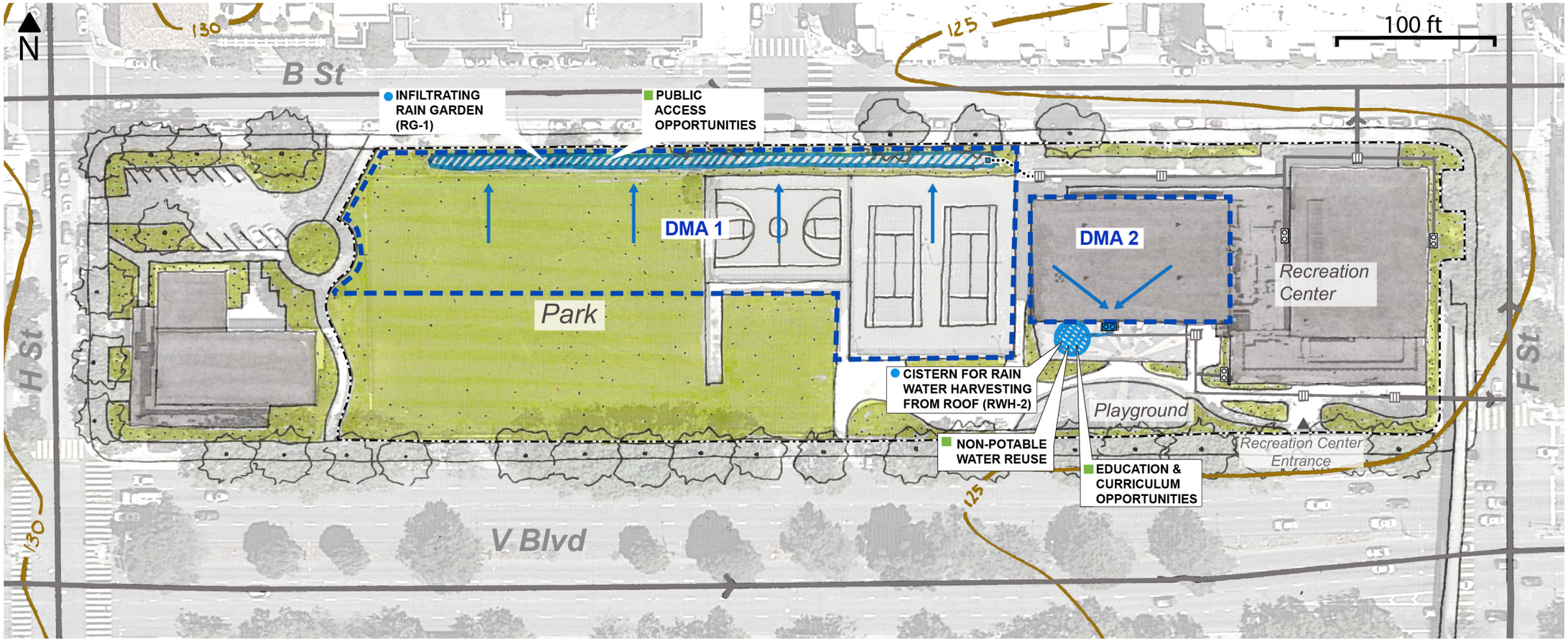
GREEN INFRASTRUCTURE GRANT PROGRAM
PROJECT CONCEPT EXAMPLE : PARK
PROPOSED SITE PLAN



LEGEND

- BMP footprint Rain garden
- BMP footprint Rainwater harvesting
- Overflow structure
- Drainage manaagement area (DMA)
- Sheet flow
- Traditional planter / lawn Existing
- Cath basin Existing
- Sewer pipe Proposed
- Sewer Pipe Existing
- Downspout connected to rainwater harvesting tank
- Downspout
- Building
- 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*
Total (sf)		10,600	22,250	51,800	3,200	260	87,850
Total (ac)		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)