Conceptual Ideas

PARK VALUE

- How can this project be used to connect existing, and future, park features?
- The splash pad will be part of a larger park, how can it be multigenerational and serve all park users?
- In addition to cooling, what are some of the other benefits this feature can serve?

COOLING

- What are the different ways to provide cooling as part of this project? Via shade, water, material choices, etc.
- Spray heads are great for children and parents, what about cooling for other user groups?
- Drinking water? Bottle fill stations?
- Can we integrate tracking technology to monitor the site?

PLAY VALUE

- Since its located adjacent to a playground, what additional play value can this splash pad add?
- Can this be an educational resource? Teaching about the community garden, pollinators, ecology, etc.
- Does it offer physical exercise, imaginative or exploratory play?

ENVIRONMENT

- How can we make use of the water from the spray features? Watering rain gardens, etc.
- Interpretive signage could inform the community how this site is a working environment: heat mitigation, planting species, etc.

Existing Conditions

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Concepts

DESIGN CONSTANTS

All concept ideas share these goals

- Provide a water cooling feature
- Utilize water from splash pad for use in a rain garden (with overflow drain to sanitary)
- Promote use of plantings
- Provide additional backed seating
- Provide more shade trees

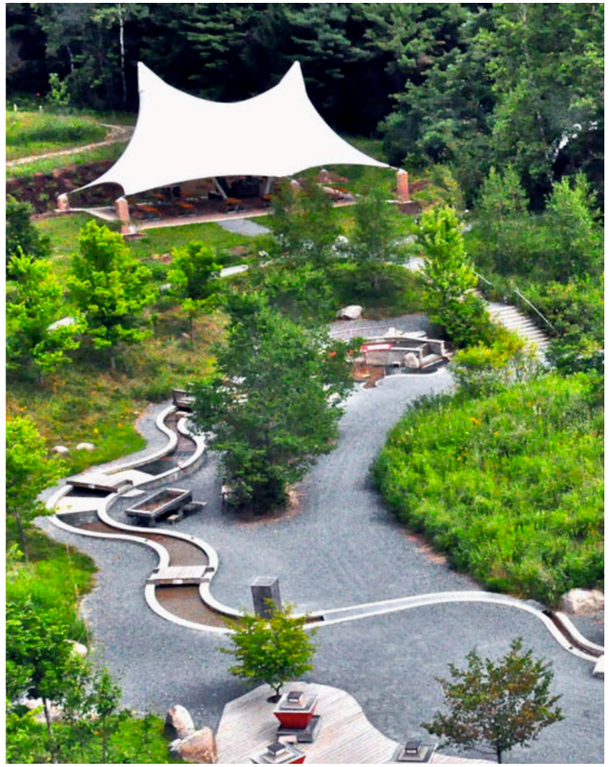
DESIGN THEMES & IDEAS

Different approaches for cooling/play

- Layout: linear path vs. singular feature
- Different water features: spray heads, vertical spray, misting features, hands-on water play, etc.
- Water play system: pressure activated, electrical requirements, controller type, etc.
- Splash pad surface materials
- Non-water features/other play value

Layout

WATER PLAY INTEGRATED WITH PLAYSPACE



LINEAR WATER FEATURE

EXPLORATORY PATH WITH SPRAY FEATURES

MULTIPURPOSE PAD (OFFSEASON PROGRAMMING POTENTIAL)

SCULPTURAL SPRAY FEATURE

ADVENTURE PATHWAY WITH SPRAY/MISTING FEATURES

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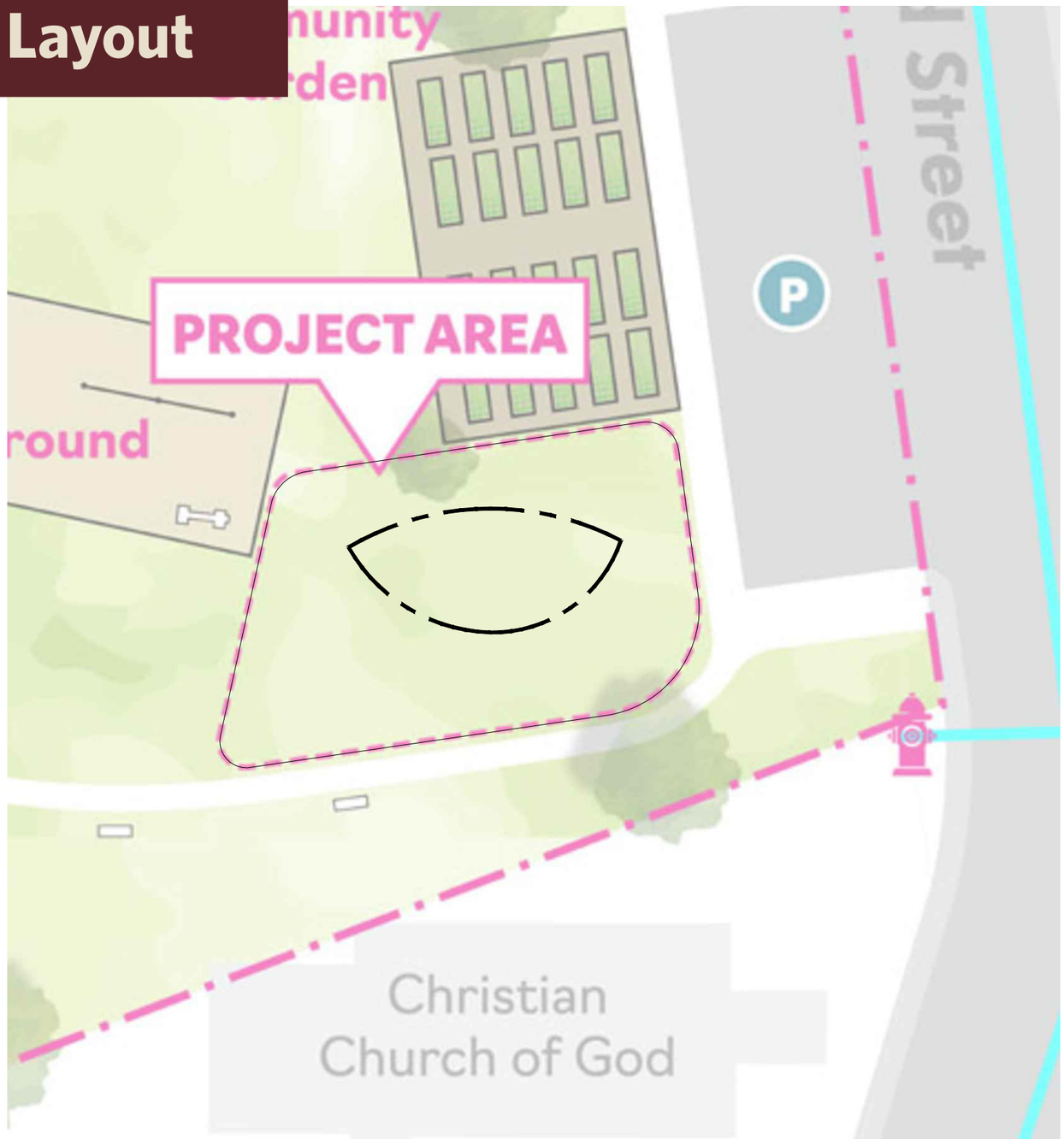
Layout



SITE PLAN
3000 SF

MEDAL OF HONOR PARK - BOSTON
567 SF

SCALE: 1" = 20'
0 20' 40'

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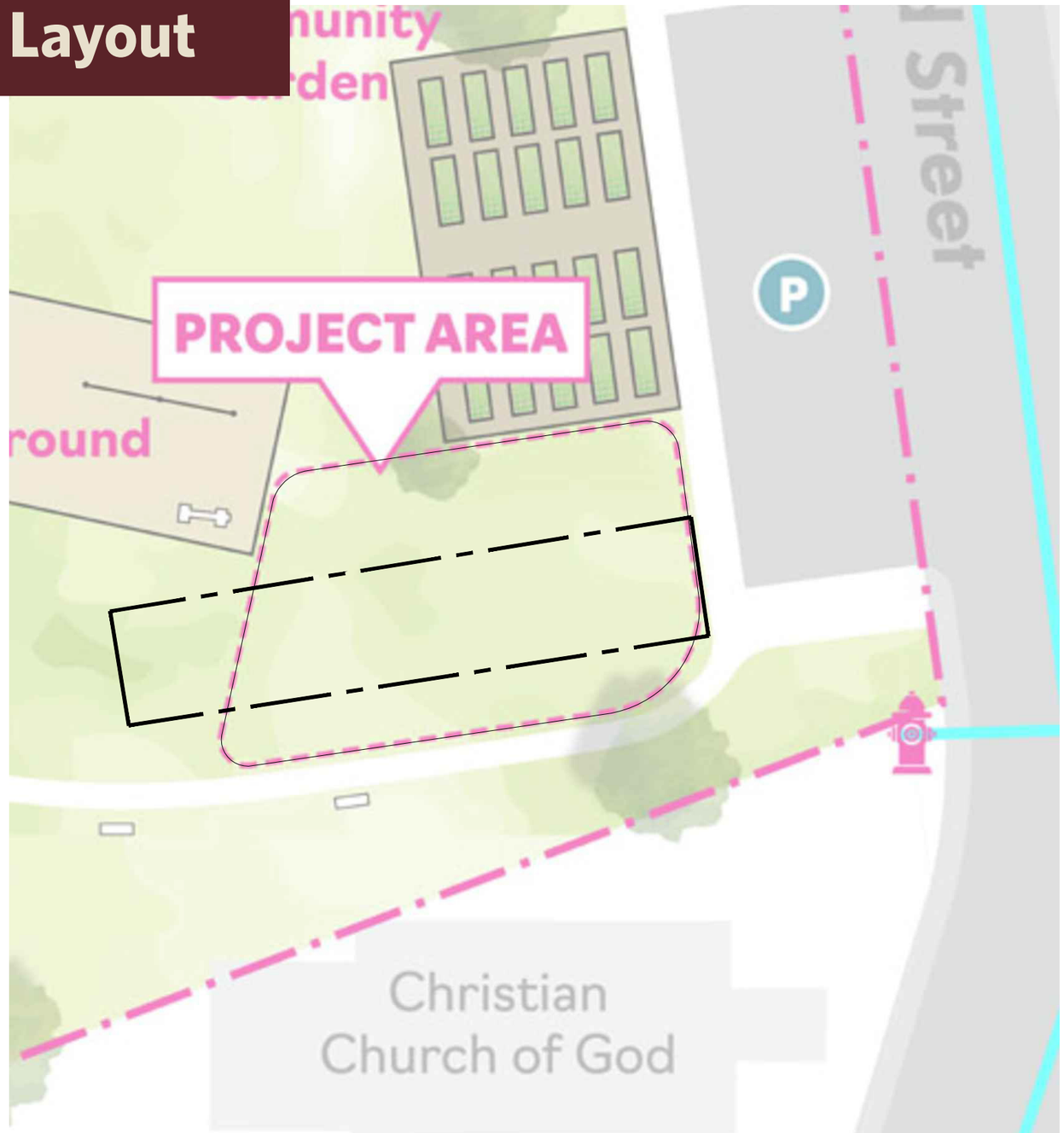
Layout



SITE PLAN
3000 SF

MARY JANE LEE PARK - SALEM
1656 SF

SCALE: 1" = 20'
0 20' 40'

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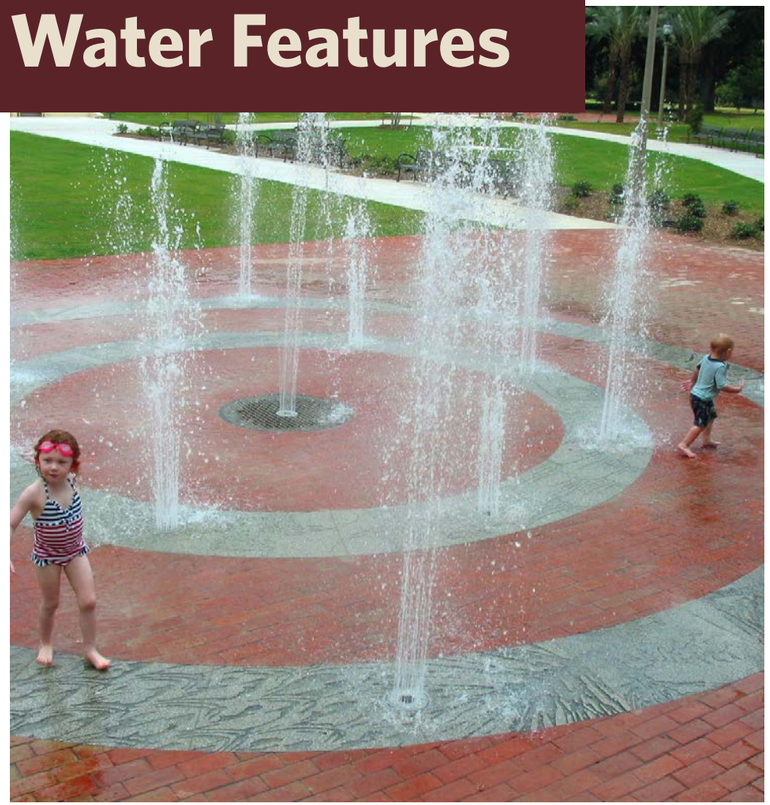
Water Features



WATER JETS - FLUSH WITH PAVEMENT

VERTICAL SPRAY FEATURES

MISTING FEATURES

EXPLORATORY WATER PLAY

COOLING FEATURES LESS PLAY ORIENTED

DRINKING WATER/BOTTLE FILLERS/PET BOWL

WATER PLAY SYSTEMS:

Water pressure activated

- No electrical required
- Less programmable
- Separate timer needed for daily shutoffs

Programmable system

- Electrical required
- More flexibility with feature programming
- Controller includes timer

Other notes

- Some features require higher water pressure
- Confirm if new tap is needed or if system can run off line in community garden

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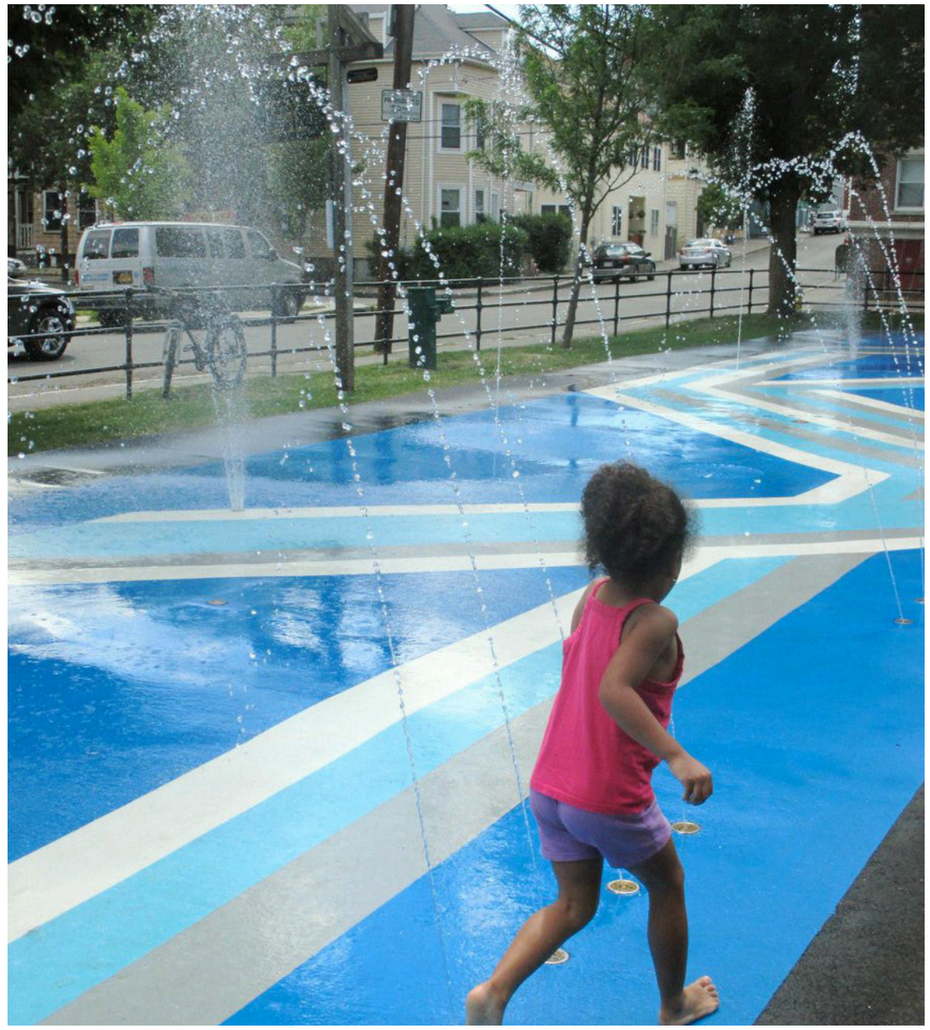
SPLASH PAD MATERIALS

CONCRETE PAVEMENT
- MORE EXPENSIVE
- MORE DURABLE
- HIGHER ALBEDO LEVEL (COOLER ON FEET)
- COULD INCLUDE SMALL INLAY DETAIL OR DECORATIVE JOINT PATTERN



ASPHALT PAVEMENT
- LESS EXPENSIVE
- LESS DURABLE
- LOWER ALBEDO LEVEL (HOTTER ON FEET)
- PAINT COULD KEEP SURFACE COOLER, BUT REQUIRES MAINTENANCE

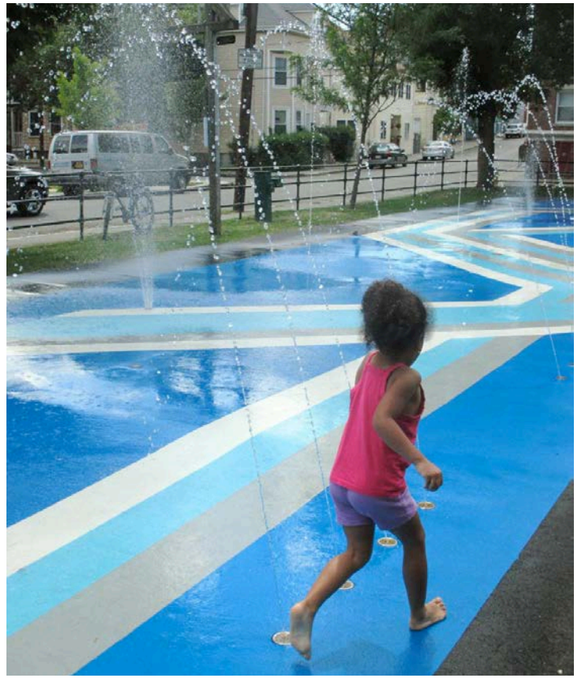
OTHER FEATURES

EXPLORATORY NATURE SPACE (FOR VIEWING OR PLAY?)

HANDS ON ACTIVITIES

FUN UNIQUE SEATING

OBSERVATION PLATFORM



INTEGRATED MURAL/PLAYFUL SURFACING

OTHER ELEMENTS THAT ADD PLAY VALUE

TEACHING OPPORTUNITIES

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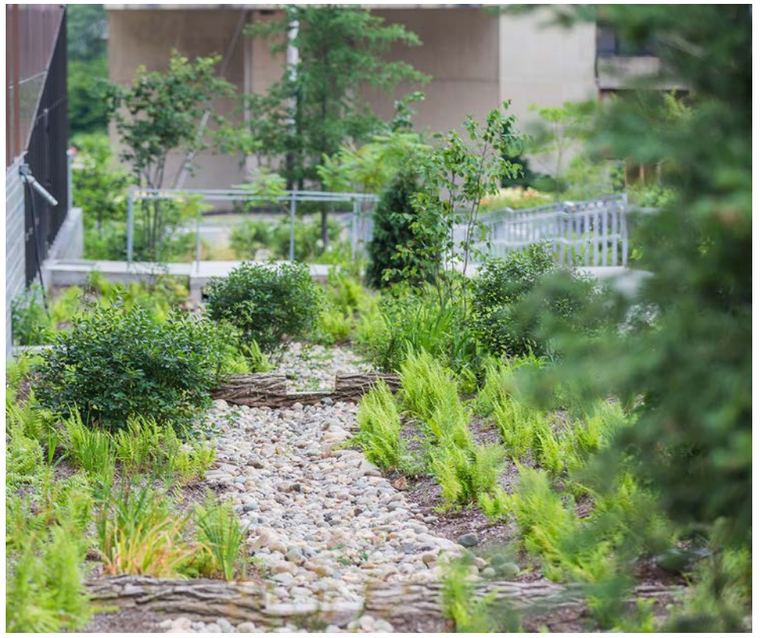
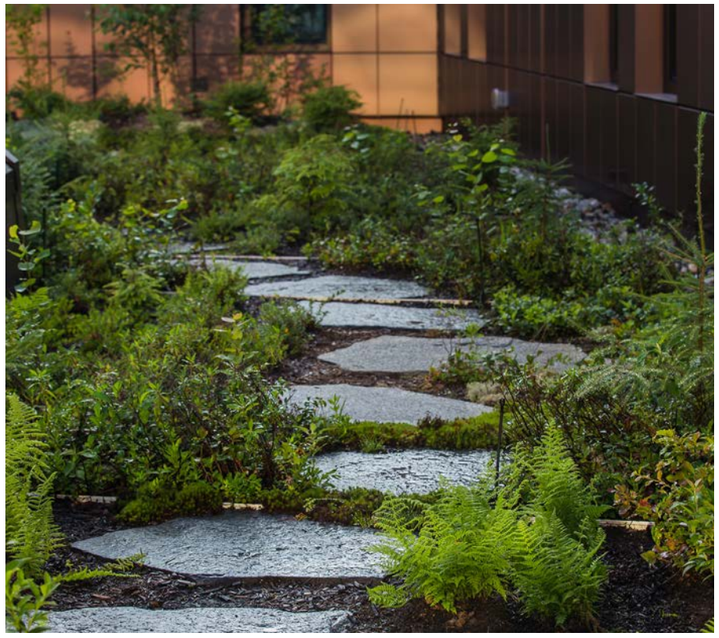
RAIN GARDEN

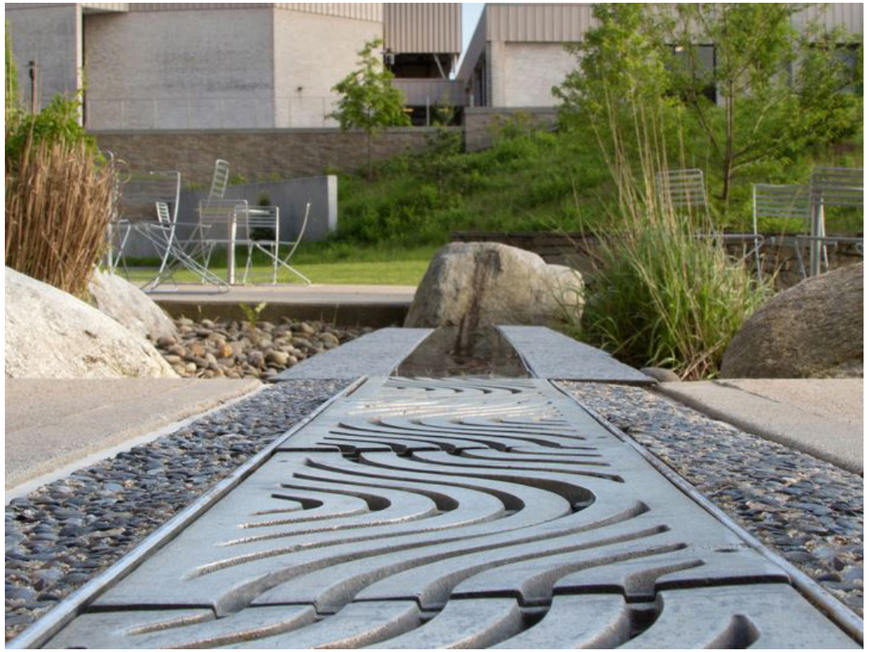
SHOULD GARDEN BE A PLAY FEATURE?



WATER PATH: LOOSE STONE VS UNITARY SURFACE



MATERIAL CHOICES:
NATURALISTIC STONE VS. CONCRETE SWALE



HOW TO DIVERT WATER TO RAIN GARDEN

WAYS TO WATCH WATER

SHOULD GARDEN BE SOMETHING ONLY VIEWED?

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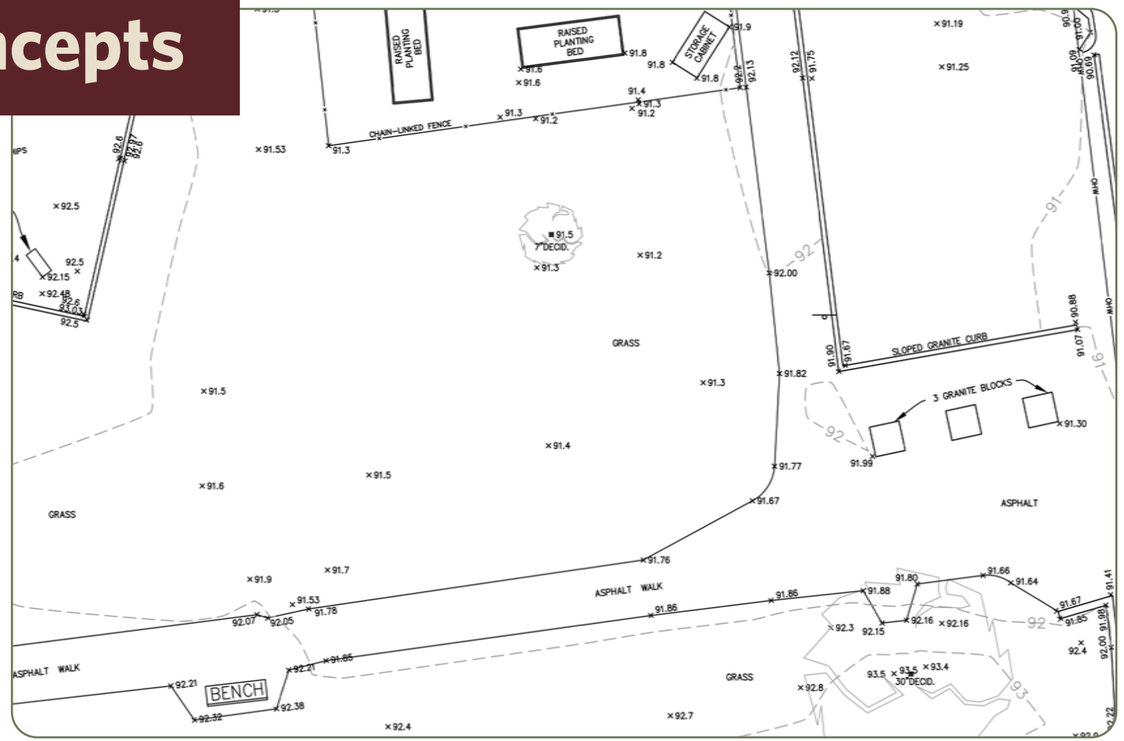
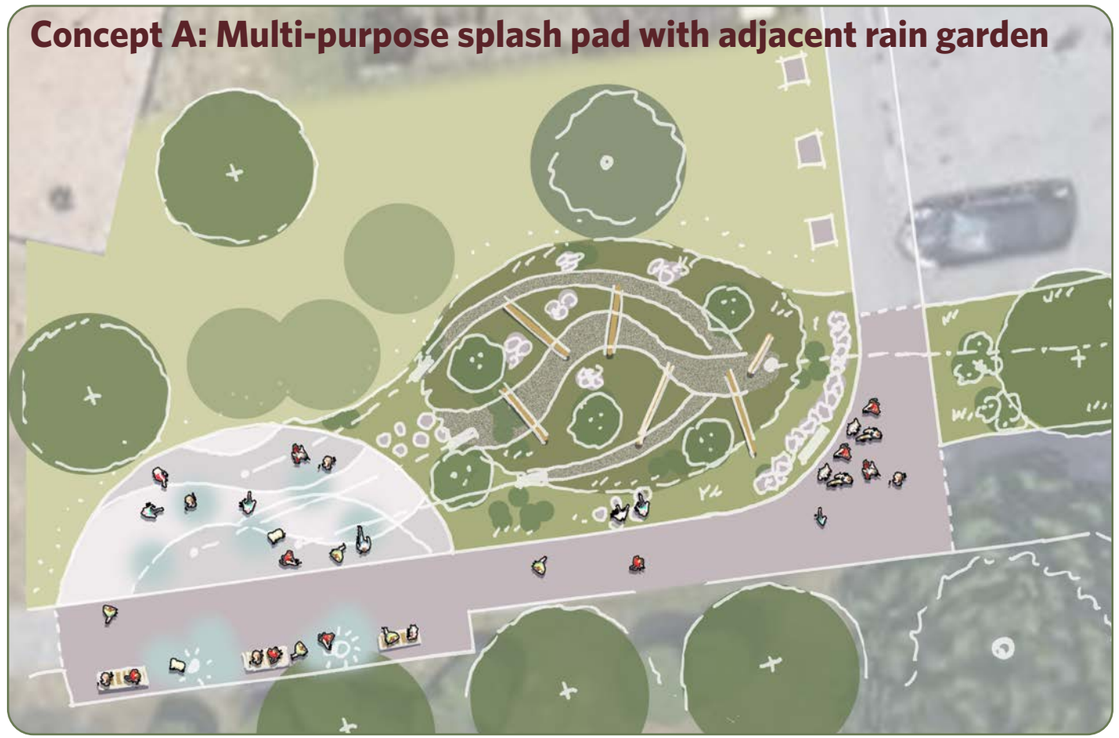
Concepts



Concept A: Multi-purpose splash pad with adjacent rain garden



Concept B: Exploration path with spray features through rain garden

Concept C: Linear splash pad integrated with rain garden

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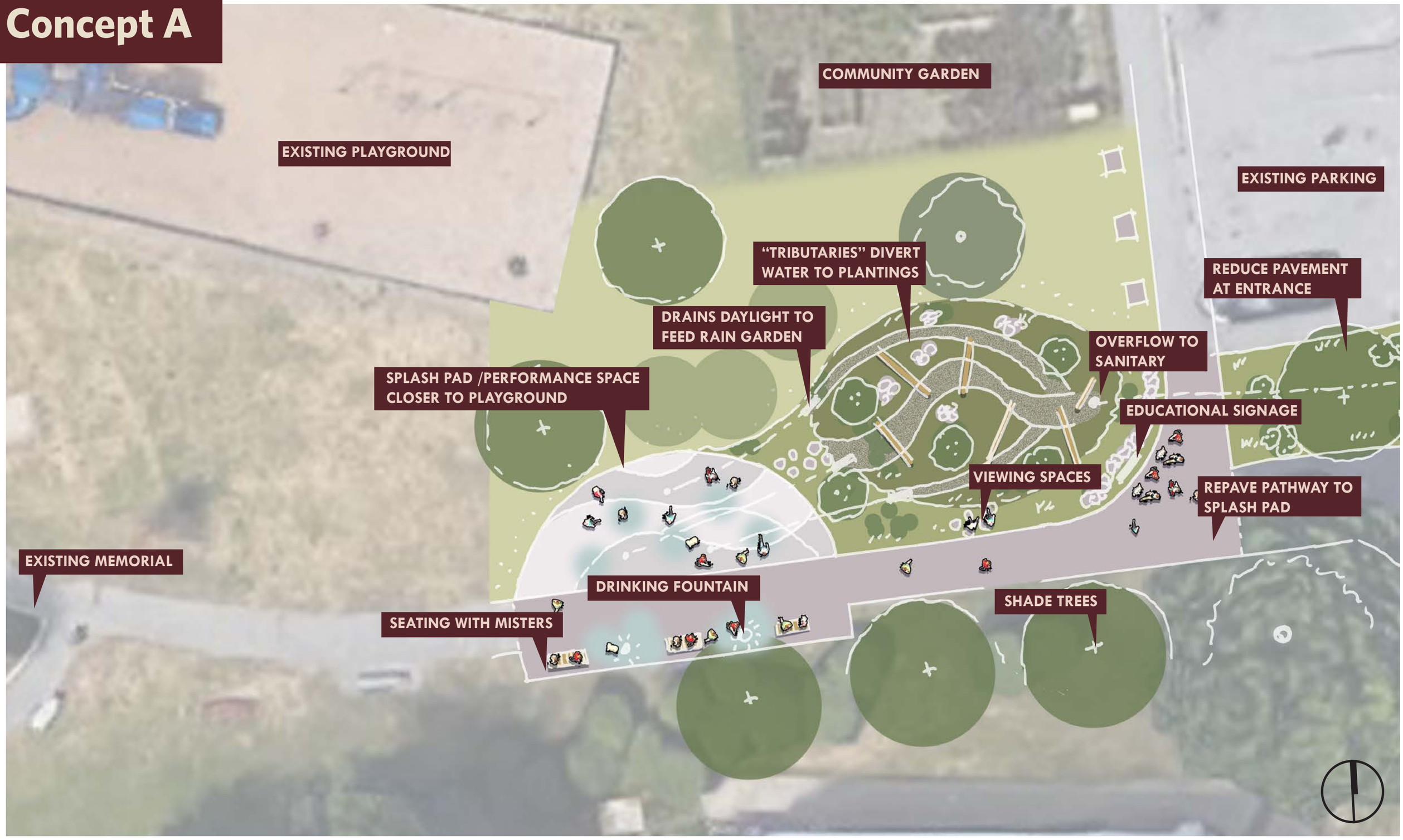
Concept A



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Concept B

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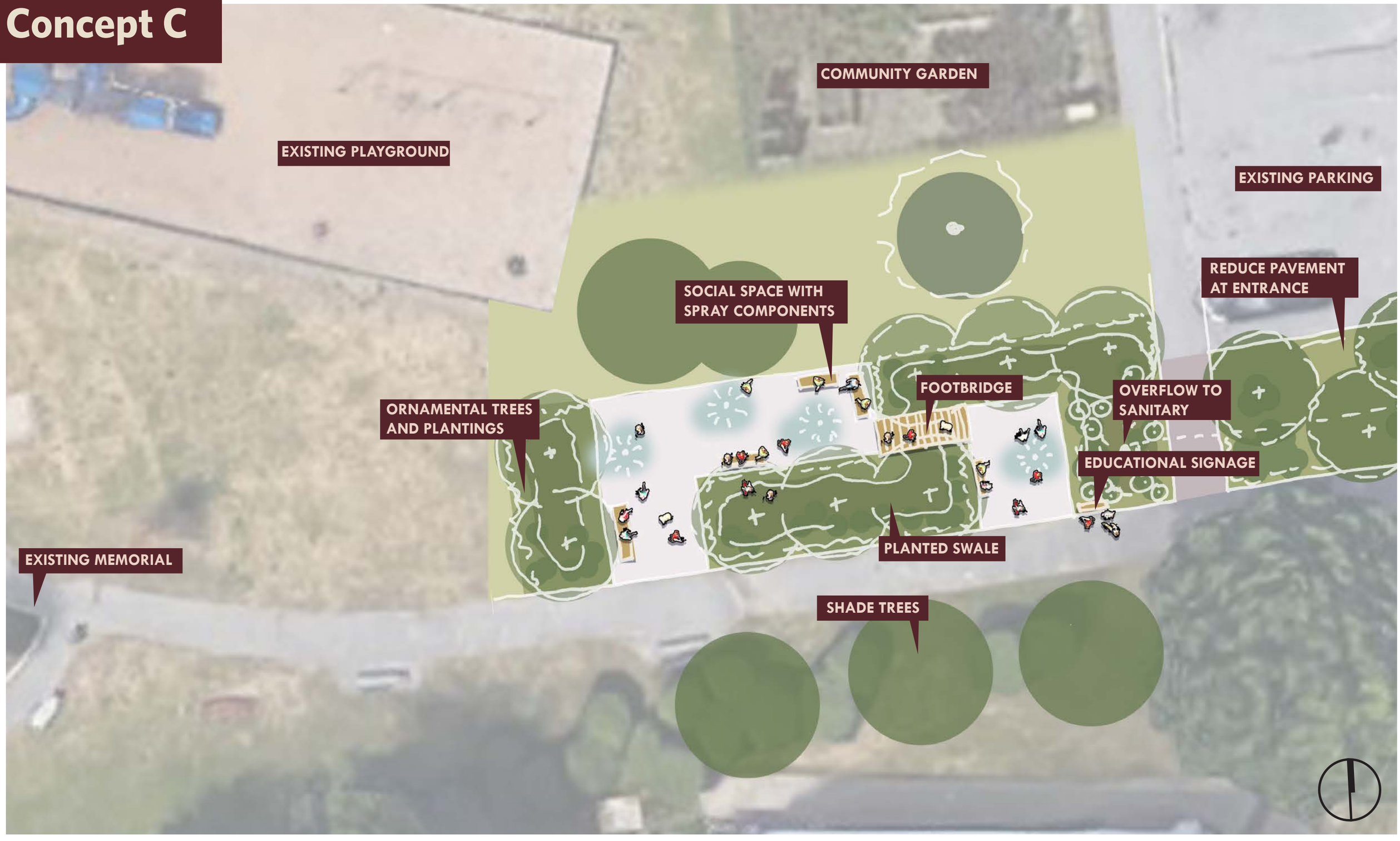
Concept C



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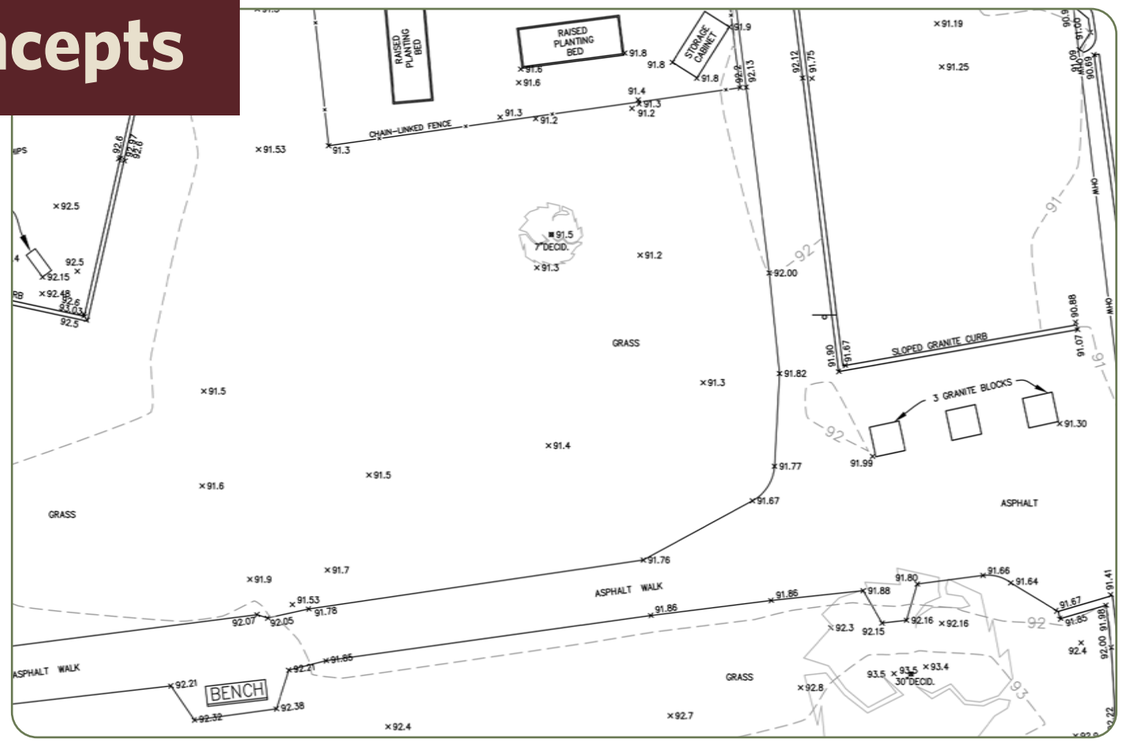
Concepts



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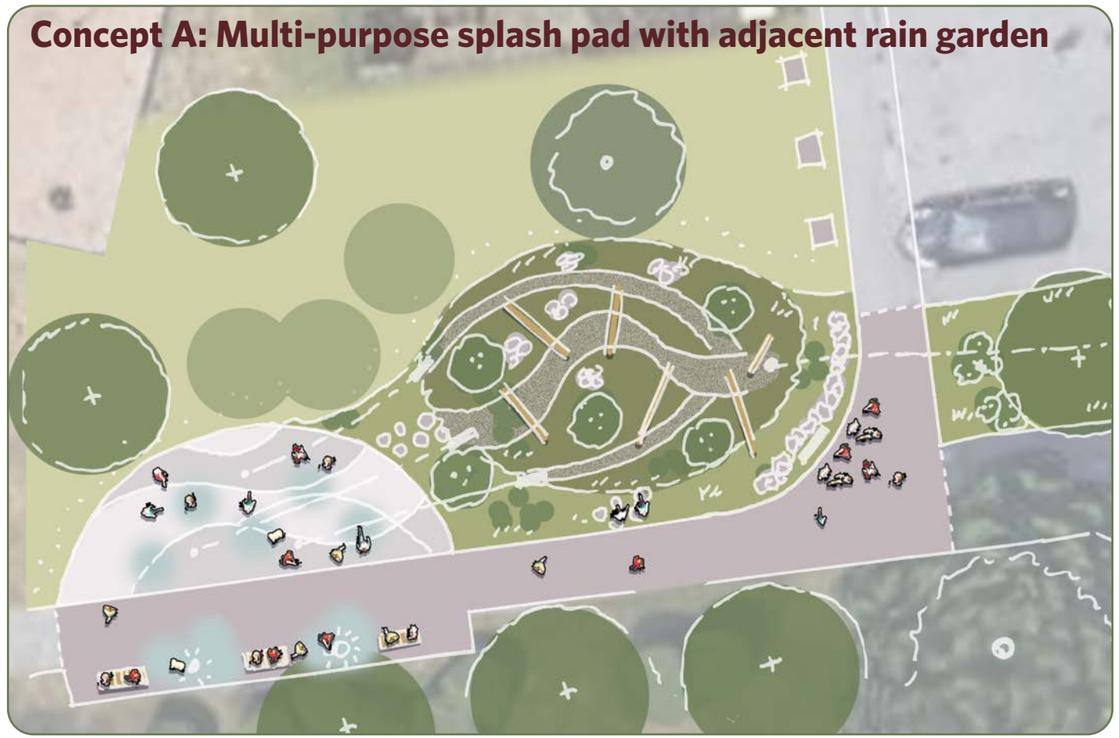

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