



Board of Public Works
Meeting

March 15, 2022

6:50pm

NOTICE

There will be a Board of Public Works meeting on **Tuesday, March 15, 2022 at 6:50pm** in the West Committee Room at the St. Francis Civic Center located at 3400 E. Howard Avenue.

BOARD OF PUBLIC WORKS AGENDA

1. Call to Order
2. Discussion with Possible Action
MMSD Green Solution Funding Opportunity with St. Francis School District
3. Adjourn.

PUBLIC NOTICE

Upon reasonable notice, a good faith effort will be made to accommodate the needs of individuals to participate in public meetings, which have a qualifying disability under the Americans with Disabilities Act. Requests should be made as far in advance as possible, preferably a minimum of 48 hours. For additional information or to request this service, contact the St. Francis City Clerk at 481-2300.

NOTE: There is a potential that a quorum of the Common Council and/or any Committee, Commission or Board may be present.



City of St. Francis

Melinda K. Dejewski, PE, City Engineer/Director of Public Works

March 8, 2022

Honorable Board of Public Works
City of St. Francis

Subject: MMSD Green Solutions Funding Opportunity with St. Francis School District

Gentlepersons:

The Milwaukee Metropolitan Sewerage District (MMSD) has a program called Green Solutions. It is a program to assist in the funding and implementation of green infrastructure such as bio-retention ponds, pervious pavement, rain garden, etc. The funding for this program is from the taxes paid by the residents of the City and then allocated back to the City as calculated by a population based formula. The City has been accruing funds for the past few years. The current total in the fund is \$293,335.00.

The St. Francis School District is proposing to include some green infrastructure features as part of the referendum improvements. These features are to reduce and/or solve issues that have been causing problems not only for the School District, but for the City as well. These items are not required as part of the improvements but are above and beyond. Any stormwater improvement cost required by expansion impervious surfaces was included in the funding from the referendum. The School District is making a grant application to MMSD to cost share in these features but MMSD will only fund a portion of these improvements based upon what type of feature is being proposed. The School District is also participating in some of the funding of some of these features. This unfortunately still leaves a gap.

The School District reached out at the beginning of their design to see if the City would consider partnering with them and using a portion of the Green Solution funds to help the School District make these improvements. The City stormwater consultant AECOM reviewed the proposed improvements to determine if they had any impact on the City stormwater model. They do not. I then reviewed them to determine if the proposed features would add value to the City overall by solving any issues that the City receives complaints about which is mainly water and icing on the sidewalk at Willow Glen and the High School.

I have identified several features which I believe would benefit both the School District and the City in solving long term issues. In addition, while the City may not receive credit in the stormwater model, these features will provide stormwater management and reduce pollutant loads in the stormwater that goes to Lake Michigan. Attached is a spreadsheet showing the proposed features, the funding amounts requested from the City and the options available for funding.

Based upon all this information, I recommend that the City use \$117,107.02 of the MMSD Green Solutions funds in the City's allocation for stormwater improvements at Willow Glen and the St. Francis High School sites as indicated on the attached spreadsheet.

Respectfully submitted,

Melinda K. Dejewski, PE
City Engineer/Director of Public Works

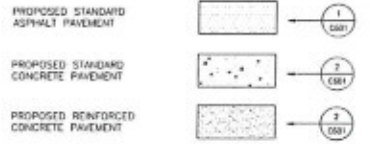
School	Stormwater Feature	District Priority	City Green Solutions Funding Request	Total
Willow Glen Site	depaving	3	\$5,203.00	\$37,563.50
	bio retention 1	1	\$0.00	
	bio retention 2	2	\$23,704.50	
	soil amendments	4	\$8,656.00	
St. Francis High School Site	bio retention 1E	3	\$13,129.50	\$113,233.87
	bio retention 1W	4	\$42,651.65	
	bio retention 2	2	\$11,428.37	
	bio retention 3	5	\$33,690.35	
	swale	1	\$12,334.00	
				\$150,797.37

Items definitely to fund	\$47,466.87
Items should fund	\$55,781.15
Willow Glen item #1 could fund	\$8,656.00
Willow Glen item #2 could fund	\$5,203.00
High School item could fund	\$33,690.35

Option 1	green only	\$47,466.87
Option 2	green and yellow	\$103,248.02
Option 3	green, yellow and pink	\$108,451.02
Option 4	green, yellow and blue	\$111,904.02
Option 5	green, yellow, blue and pink	\$117,107.02
Option 6	green, yellow, and purple	\$136,938.37
Option 7	green, yellow, blue and purple	\$145,594.37
Option 8	fund all stormwater options	\$150,797.37

City Green Solution Account Balance	\$293,355.00
amount left after Option 1	\$245,888.13
amount left after Option 2	\$190,106.98
amount left after Option 3	\$184,903.98
amount left after Option 4	\$181,450.98
amount left after Option 5	\$176,247.98
amount left after Option 6	\$156,416.63
amount left after Option 7	\$147,760.63
amount left after Option 8	\$142,557.63
Recommendation - Option 5	\$117,107.02

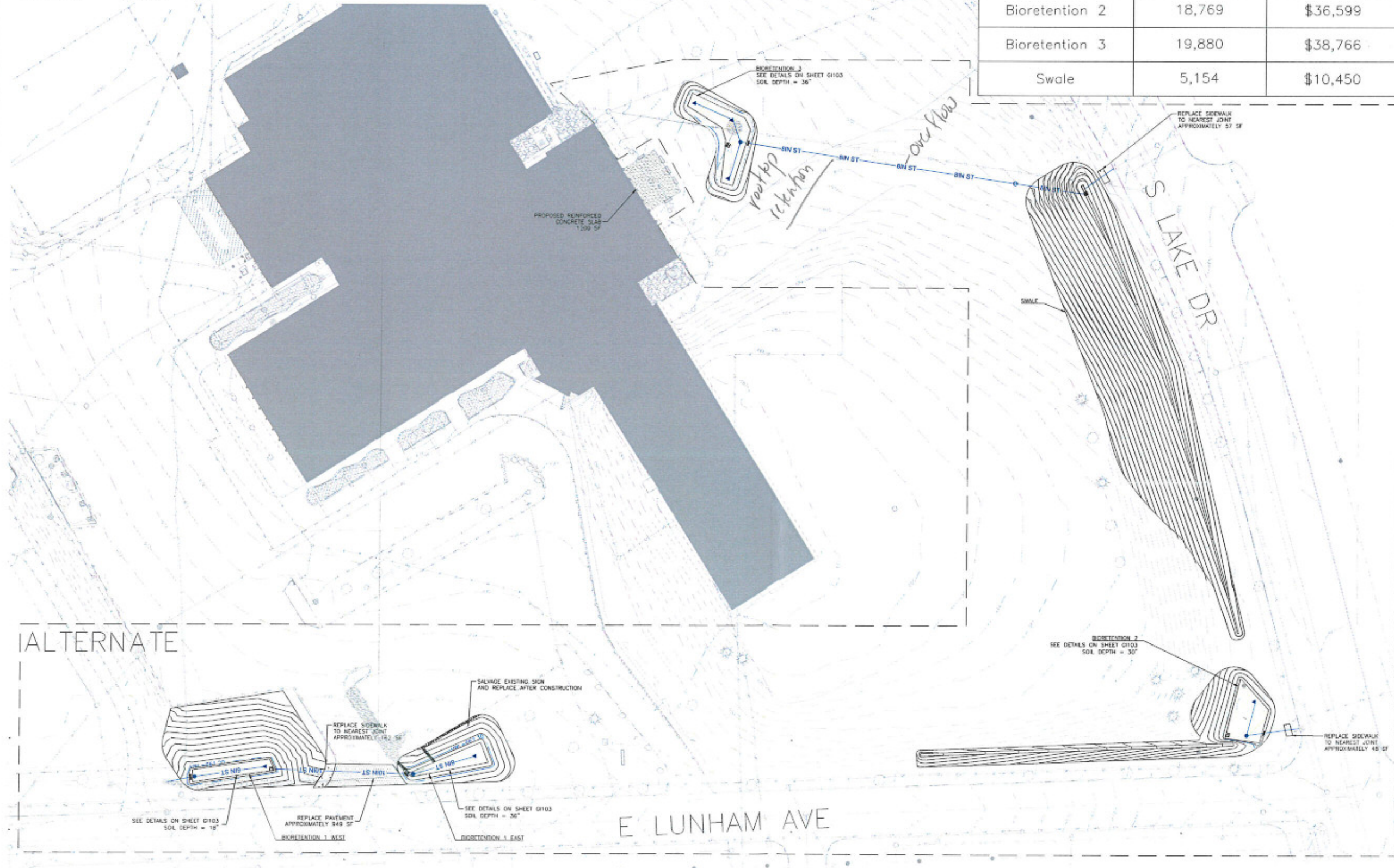
PAVEMENT HATCH PATTERNS:



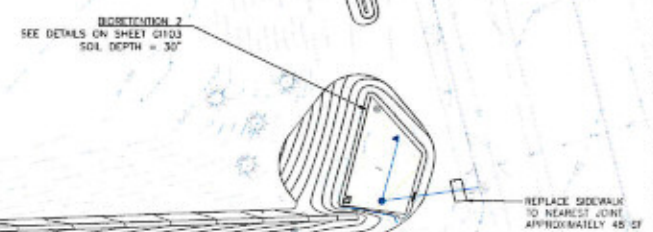
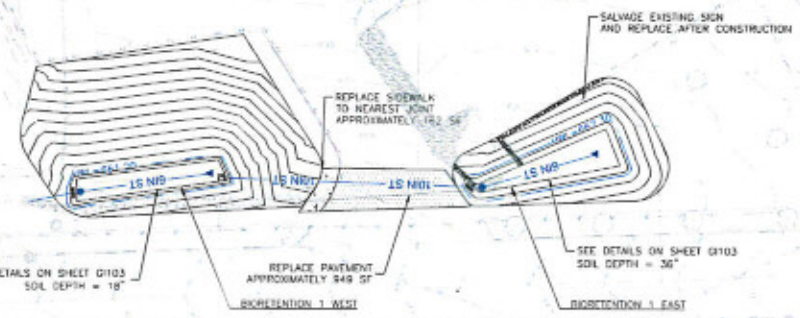
GSI HATCH PATTERNS:



Feature	Gallons Managed	MMSD Reimbursement Amount
Bioretention 1	19,200	\$37,440
Bioretention 2	18,769	\$36,599
Bioretention 3	19,880	\$38,766
Swale	5,154	\$10,450



ALTERNATE



152 WEST COLLIER RD
P.O. BOX 512
CEDARBURG, WISCONSIN 5312
PH: (262) 577-0301
FX: (262) 577-8050



GREEN STORMWATER
INFRASTRUCTURE
ENGINEERING
17 N. STATE STREET
SUITE 1400, CHICAGO, IL 60602

PROJECT

**ST. FRANCIS
SCHOOL DISTRICT
RENOVATION
AND ADDITION
TO SFHS**

4225 S. LAKE DR.
ST. FRANCIS, WI
53235

ISSUE

NO. 001/01 - 02/01/20

PROGRESS DOCUMENTS
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and should not be used for final bidding or construction-related purposes.

PROJECT INFO
Date: 01/14/2022
Project No.: 21316

SHEET TITLE
SITE PLAN

100% CONSTRUCTION DOCUMENTS



GROTH
Design
Group

185 WEST COLUMBIA RD
PO BOX 912
CEDAR RAPIDS, IOWA 52401
PH (319) 377-8021
FX (319) 377-8000



GREEN STORMWATER
INFRASTRUCTURE
ENGINEERING
17 N STATE STREET
SUITE 1400, CHICAGO, IL 60602

PROJECT

**ST. FRANCIS
SCHOOL DISTRICT
RENOVATION TO
WILLOW GLEN
PRIMARY SCHOOL**

2400 E BOLIVAR AVE
ST. FRANCIS, WI
53235

ISSUE

NO. 01/24/2022

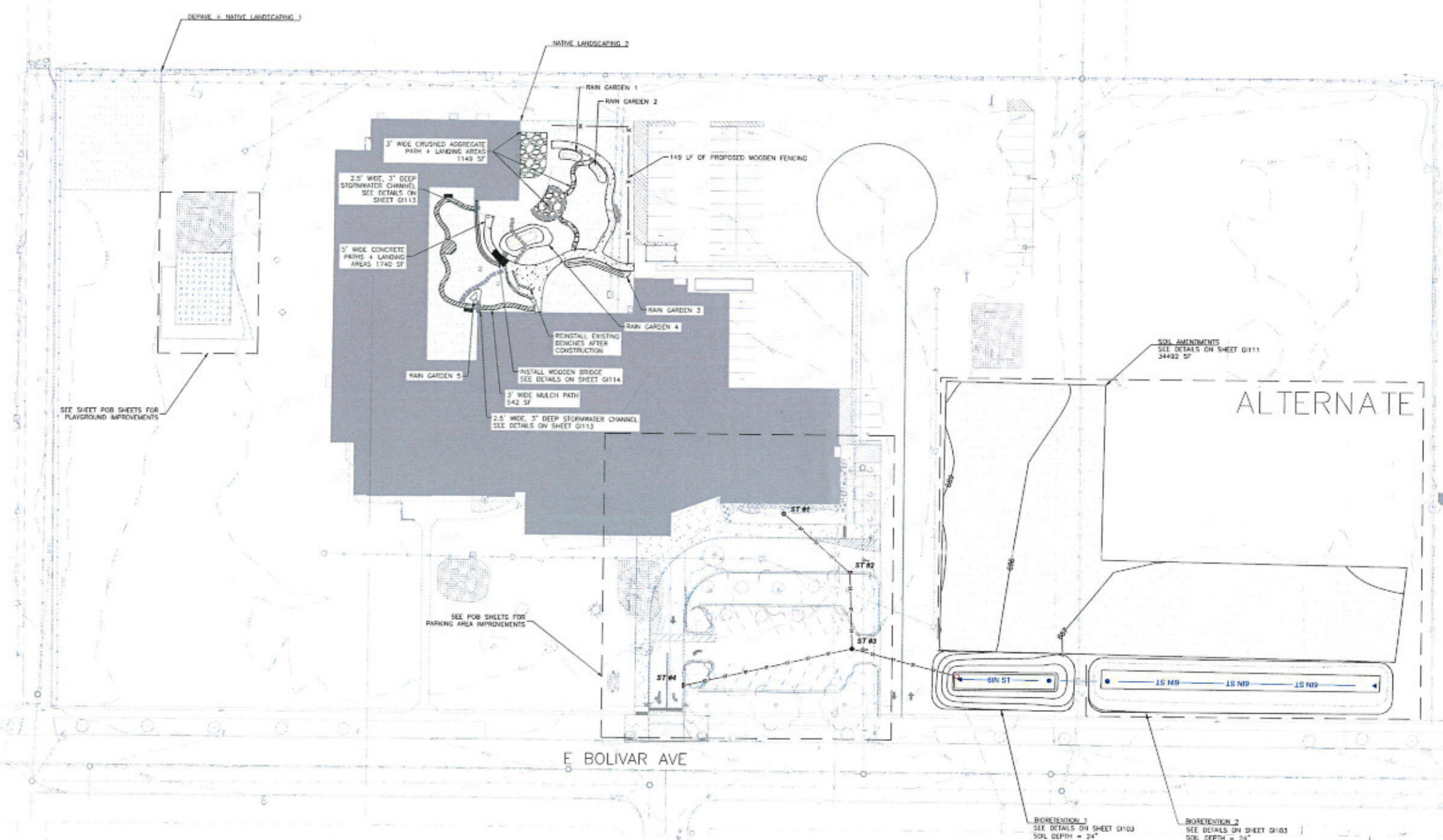
**PROGRESS
DOCUMENTS**
These documents reflect progress
and items and may be subject to
change, including without limitation
These are not final construction
documents and should not be used
for final building or construction
related purposes.

PROJECT INFO
Date
01/24/2022
Project No.
21-070

SHEET TITLE
SITE PLAN

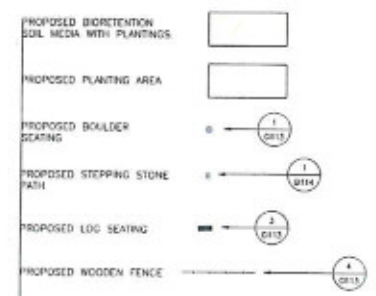
GI102

100% CONSTRUCTION DOCUMENTS

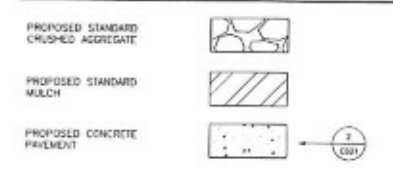


Feature	Gallons Monoged	MMSD Reimbursement Amount
Bioretention 1	13,067	\$25,480
Bioretention 2	43,690	\$85,195
Depave + Native Landscape 1	3,379	\$6,589
Native Landscaping 2	5,008	\$9,766
Rain Gardens	4,039	\$7,876
Soil Amendments	6,898	\$13,452

GSI HATCH PATTERNS:



PAVEMENT HATCH PATTERNS:



1/20/2022 8:53 AM