

REQUEST FOR BOARD ACTION

**HENDERSON COUNTY
BOARD OF COMMISSIONERS**

MEETING DATE: June 19th, 2019

SUBJECT: Jackson Park Rain Garden

PRESENTER: Christine Brown

ATTACHMENTS: Yes,
1. COH Rain Garden Letter
2. Bruce Drysdale Rain Garden Design Drawings
3. Jackson Park Rain Garden Presentation

SUMMARY OF REQUEST:

The City of Hendersonville Stormwater Division is requesting approval from Henderson County to construct a rain garden in Jackson Park by the city's Fleet Maintenance Facility on Williams Street and 4th Ave E.

BOARD ACTION REQUESTED:

It is requested that the Board approve the City of Hendersonville's rain garden project at Jackson Park.

Suggested Motion:

I move that the Board approve the City of Hendersonville's rain garden project at Jackson Park.

CITY COUNCIL:
BARBARA G. VOLK
Mayor
RON STEPHENS
Mayor Pro Tem
STEVE CARAKER
JERRY A. SMITH, JR.
JEFF MILLER

CITY OF HENDERSONVILLE

The City of Four Seasons

ENGINEERING DEPARTMENT
Michael Huffman, CPMSM
Stormwater Administrator

OFFICERS:
JOHN F. CONNET
City Manager
SAMUEL H. FRITSCHNER
City Attorney
TAMMIE K. DRAKE
City Clerk

Dear Christine,

The City of Hendersonville's Stormwater Division is requesting approval from Henderson County to construct a rain garden in Jackson Park. A map provided in Appendix 1 shows the location of the proposed rain garden project.

Currently, the City's Fleet Maintenance Facility, which borders Jackson Park, drains into a field south of 4th Ave. East as you enter the park. During rain events runoff from the parking area and buildings at the Fleet Maintenance Facility drain directly into the field and a small ditch that carries the water to Mud Creek. The construction of a rain garden would capture runoff from the Fleet Maintenance Facility, giving it time to infiltrate into the ground and reducing the potential for pollutants to reach Mud Creek that may be carried in the runoff. Beyond providing treatment for the runoff, this rain garden would create additional pollinator habitat in Jackson Park as it would be planted with native wildflowers.

The City plans to partner with local non-profits Conserving Carolina and El Centro to install the rain garden in June of 2019 if approved by the County. This would create an excellent opportunity to engage the community in water quality and stormwater education. The City will purchase all materials necessary to construct the rain garden and following the completion of the project the City would take full responsibility for the future maintenance of the rain garden.

Based on conversations with County staff it is the City's understanding that the proposed location of the rain garden would have no impact on the current uses of Jackson Park. In addition, the rain garden would be located close to the floodway which often become inundated during heavy rain events. Therefore, the rain garden would pose no threat to park infrastructure during heavy rain events.

Thank you for your time and consideration. If you have any questions, please contact me directly at 697-3013 or mhuffman@hvlnc.gov

Michael Huffman, CPMSM
Stormwater Administrator
City of Hendersonville, NC

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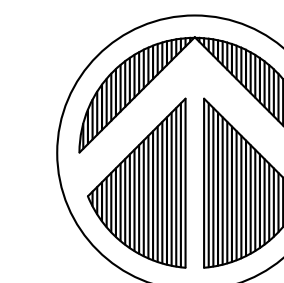




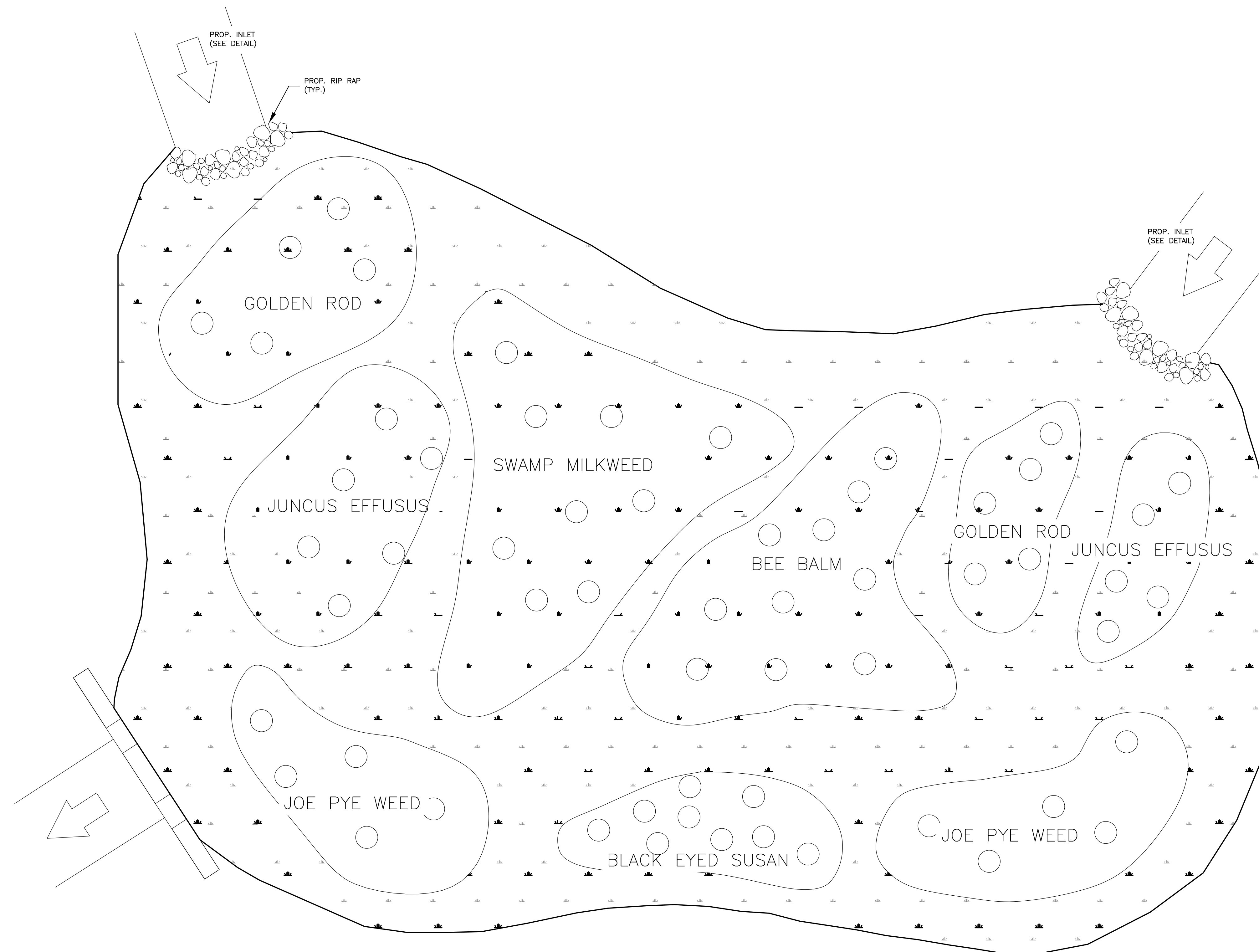
**BRUCE DRISDALE BIO-RETENTION POND
PROPOSED LOCATION**
1" = 60'

PLANT SCHEDULE

- 10 BLACK EYED SUSAN – RUDBECKIA
- 10 SWAMP MILKWEED – ASCLEPIAS INCARNATA
- 10 BEE BALM – MONARDA SPP.
- 10 JUNCUS EFFUSUS
- 10 GOLDENROD – SOLIDAGO SPP.
- 10 JOE PYE WEED – EUTROCHUM SPP.



NORTH



PROPOSED BIO-RETENTION POND
1" = 1'



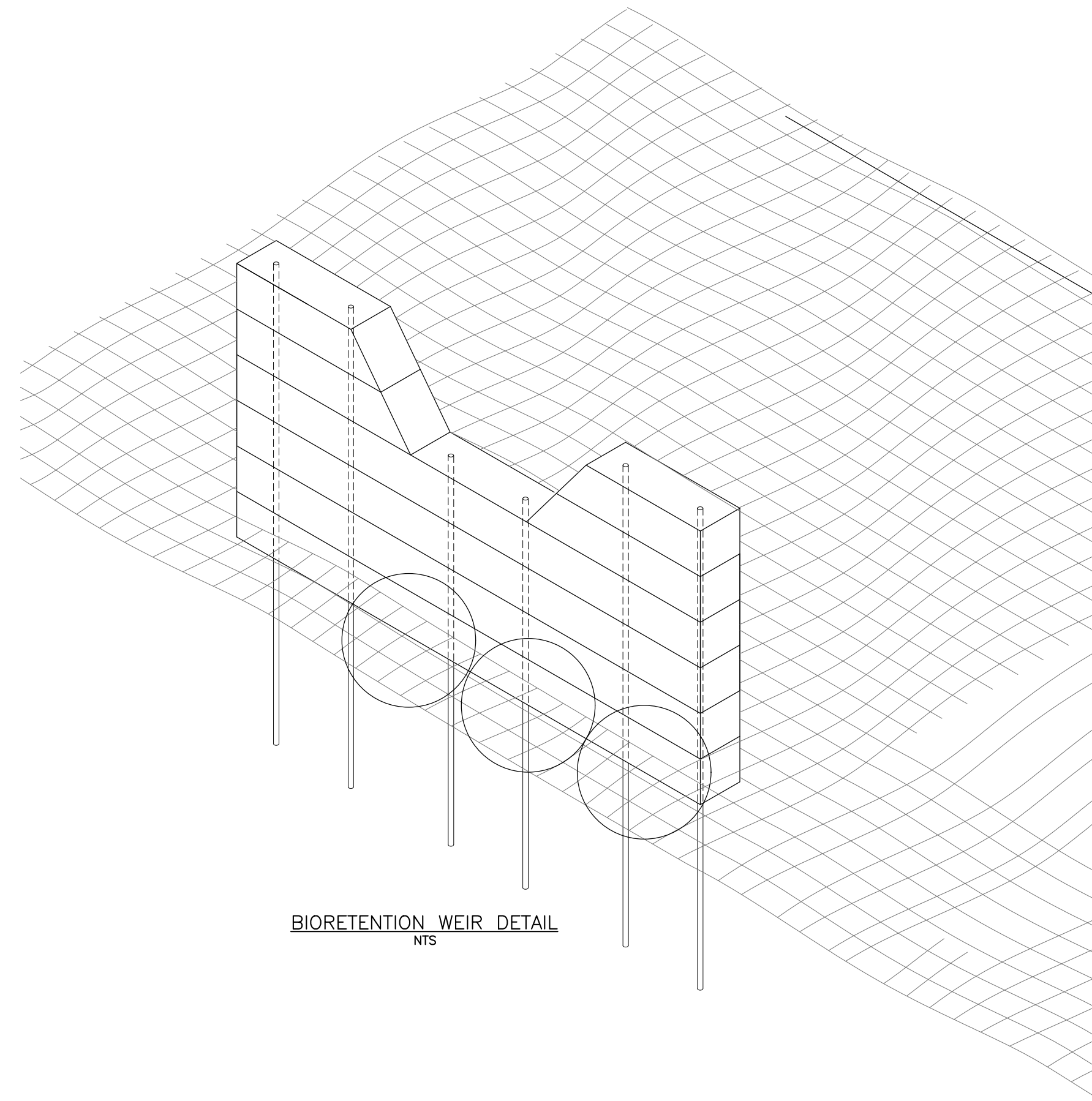
PURPOSE:
**GIRL SCOUT GOLD AWARD
PHASE 1**

DESIGNED BY:
MCKENNA E. VALE

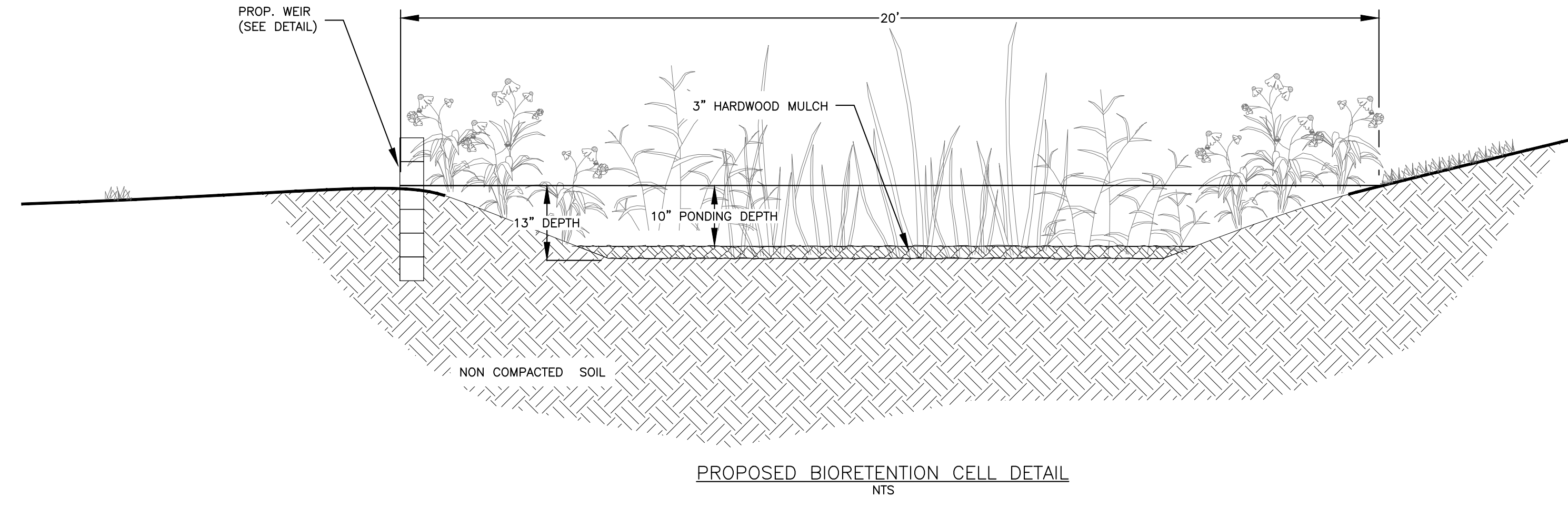
PLAN SHEET FOR:
**BRUCE DRISDALE
BIO-RETENTION POND**
CITY OF HENDERSONVILLE
HENDERSON COUNTY, NORTH CAROLINA



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BIORETENTION WEIR DETAIL
NTS



PROPOSED BIORETENTION CELL DETAIL
NTS



PURPOSE:
GIRL SCOUT GOLD AWARD
PHASE 1

DESIGNED BY:
MCKENNA E. VALE

DETAILS FOR:
**BRUCE DRYSDALE
BIO-RETENTION POND**
CITY OF HENDERSONVILLE
HENDERSON COUNTY, NORTH CAROLINA

BRUCE DRYSDALE RAIN GARDEN

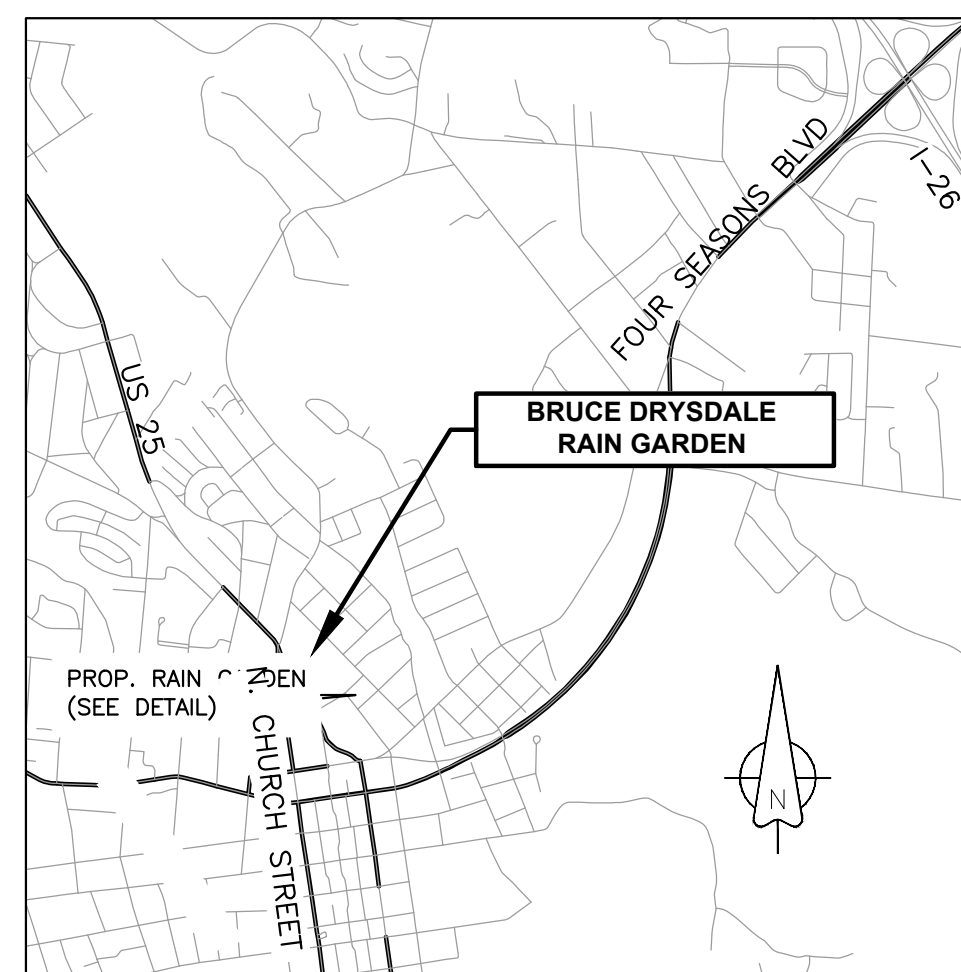
PHASE 1, PLACEMENT

STORM WATER RETENTION POND FOR BRUCE DRYSDALE ELEMENTARY FOR THE HENDERSON COUNTY PUBLIC SCHOOL SYSTEM

A GIRL SCOUT GOLD AWARD PROJECT
IN COOPERATION WITH THE CITY OF HENDERSONVILLE
STORM WATER QUALITY DIVISION
MIKE HUFFMAN , STORM WATER QUALITY SPECIALIST

VICINITY MAP

Not To Scale



DESIGNED BY; MCKENNAN E. VALE

BEGIN DATE: MARCH 10TH, 2018

TYPE OF WORK: EXCAVATION, PLANTING, MULCH AND SIGNAGE

LOCATION DESCRIPTION: 200 SQUARE FOOT RAIN GARDEN

INDEX OF SHEETS

COVER SHEET	1
BIO-RETENTION CROSS SECTION	2
DETAILS	3



PURPOSE:
GIRL SCOUT GOLD AWARD
PHASE 1

DESIGNED BY:
MCKENNA E. VALE

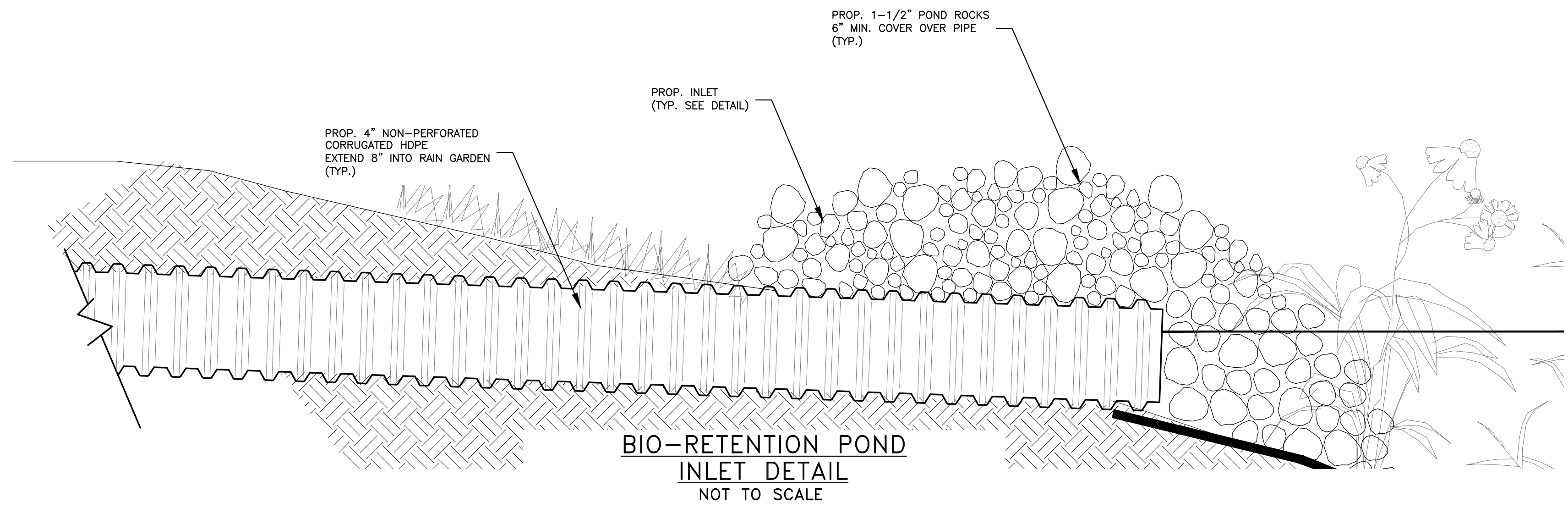
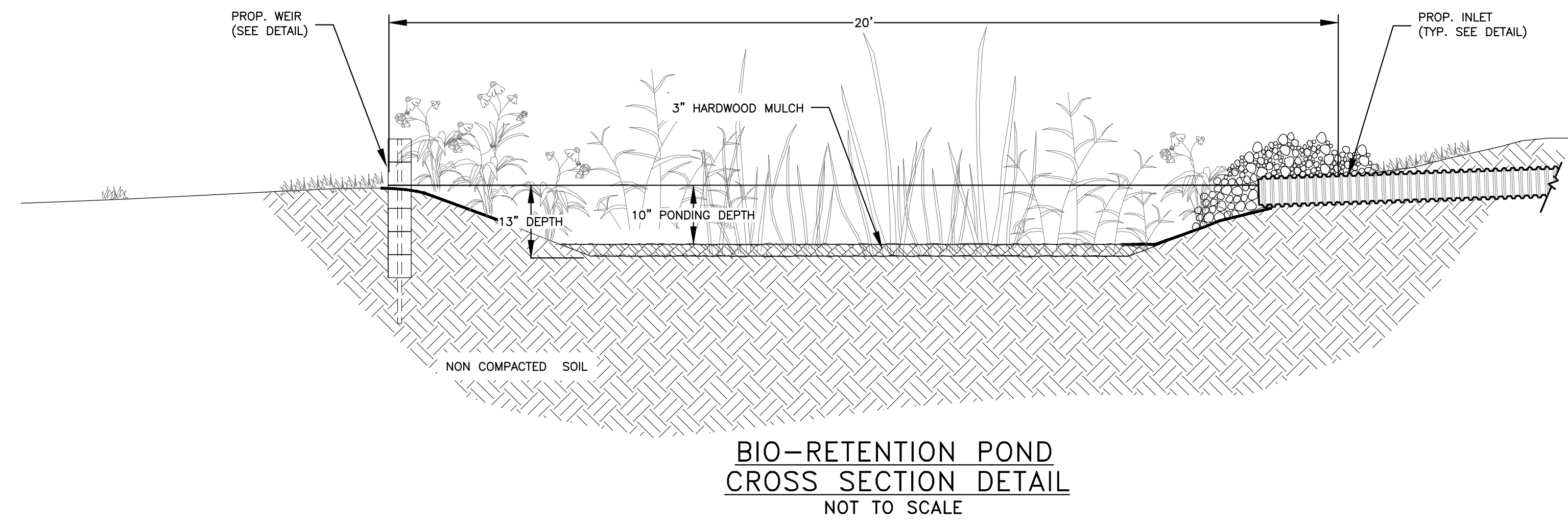
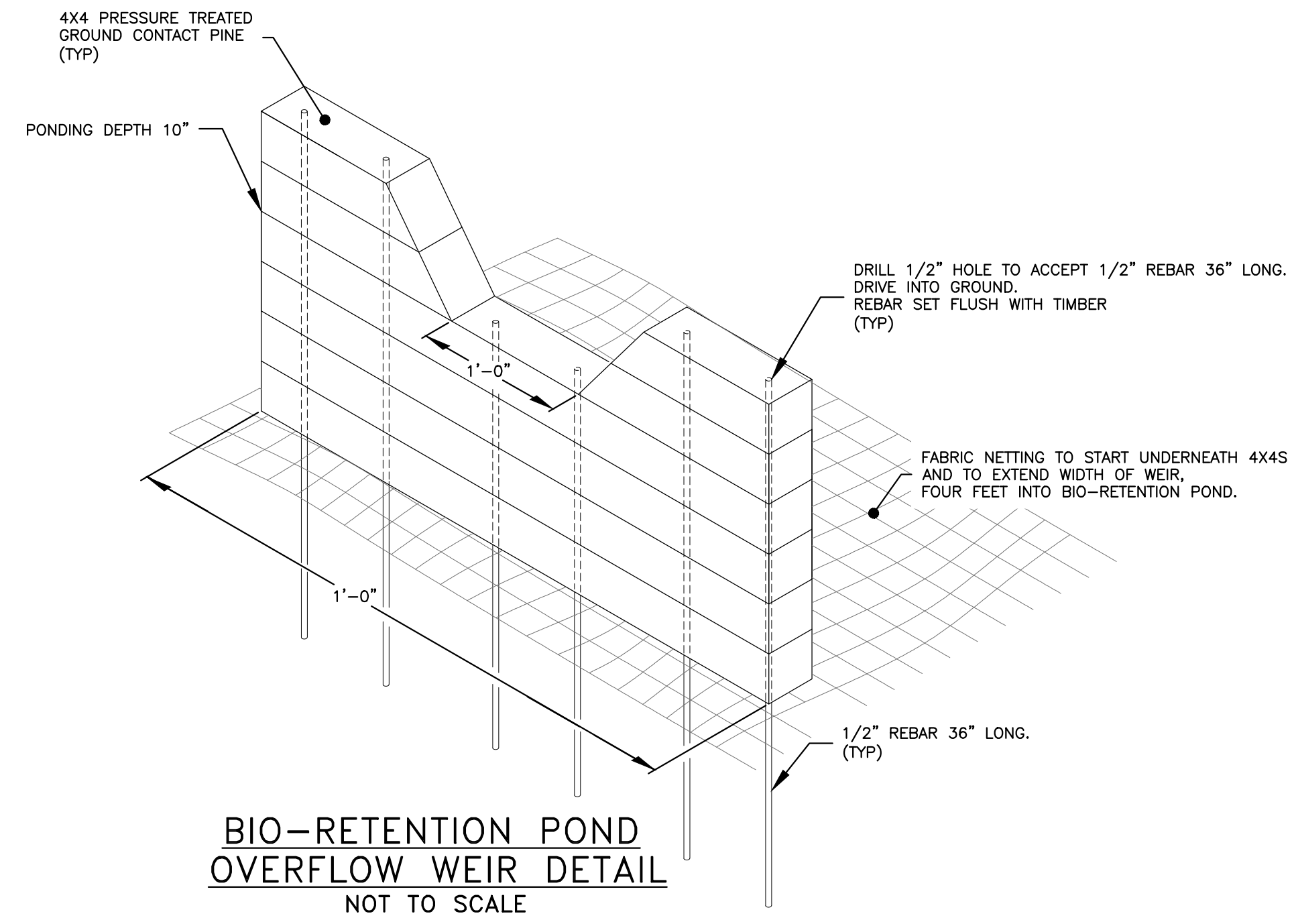
TITLE SHEET FOR:
**BRUCE DRYSDALE
RAIN GARDEN**
CITY OF HENDERSONVILLE
HENDERSON COUNTY, NORTH CAROLINA



PURPOSE:
GIRL SCOUT GOLD AWARD
PHASE 1

DESIGNED BY:
MCKENNA E. VALE

DETAILS FOR:
BRUCE DRYSDALE
RAIN GARDEN
CITY OF HENDERSONVILLE
HENDERSON COUNTY, NORTH CAROLINA

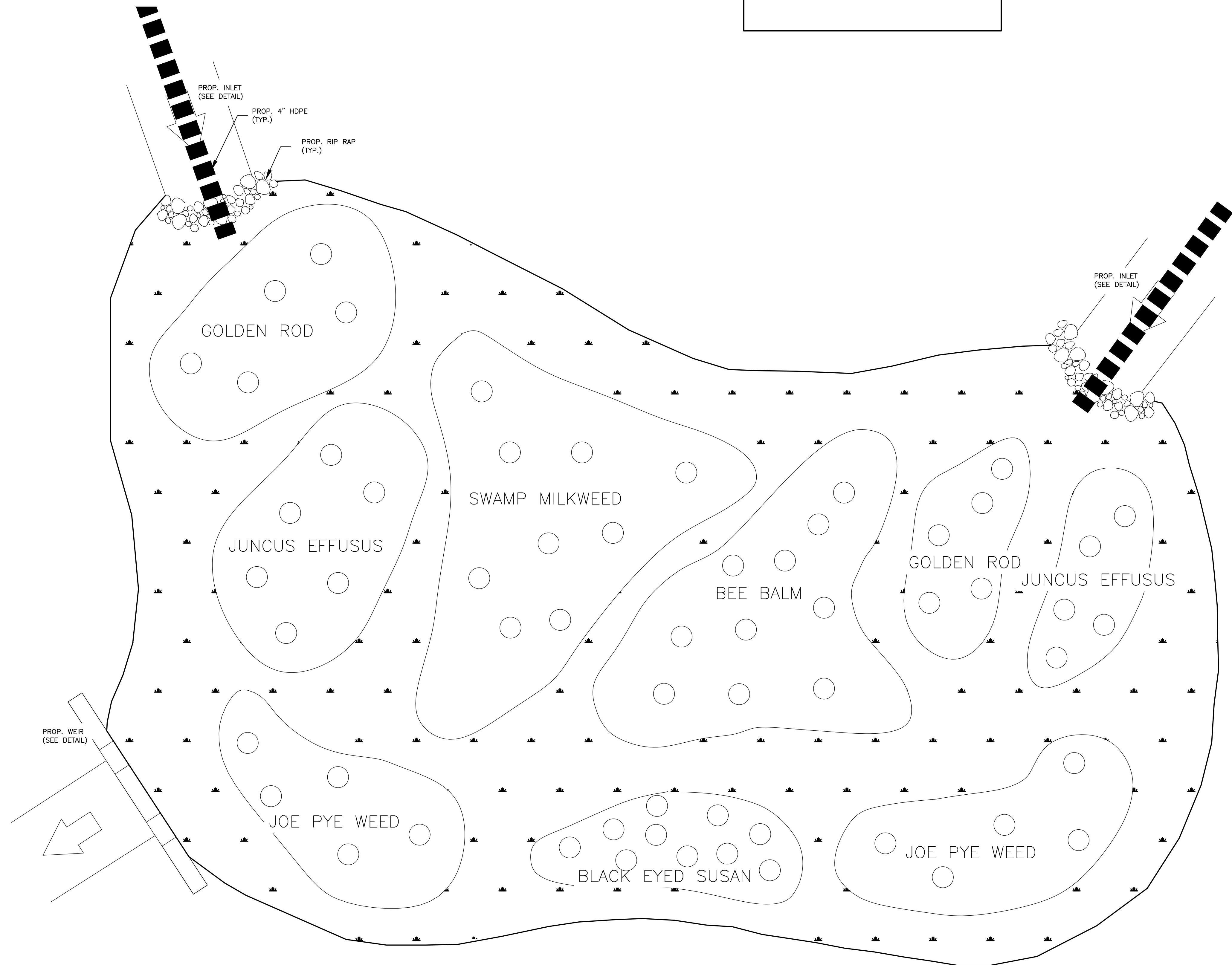




**BRUCE DRISDALE RAIN GARDEN
PROPOSED LOCATION**
1" = 60'

PLANT SCHEDULE

- 10 BLACK EYED SUSAN – RUDBECKIA
- 10 SWAMP MILKWEED – ASCLEPIAS INCARNATA
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PROPOSED RAIN GARDEN PLAN
1" = 1'



PURPOSE:
**GIRL SCOUT GOLD AWARD
PHASE 1**

DESIGNED BY:
MCKENNA E. VALE

PLAN SHEET FOR:
**BRUCE DRISDALE
RAIN GARDEN**
CITY OF HENDERSONVILLE
HENDERSON COUNTY, NORTH CAROLINA

Jackson Park Rain Garden



Henderson County Environmental Programs
June 3rd, 2019

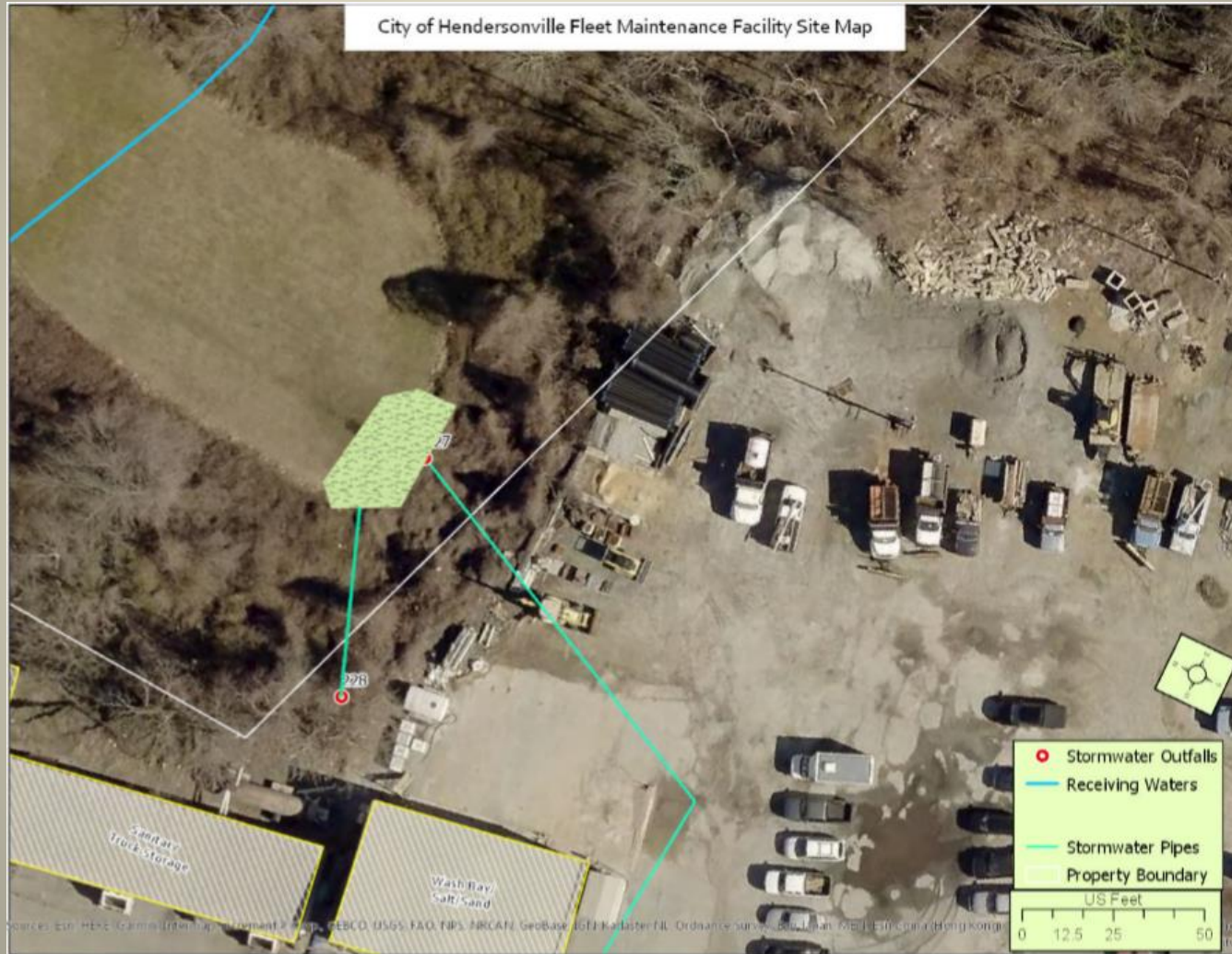


Overview

- The City of Hendersonville's Stormwater Division is requesting approval from Henderson County to construct a rain garden in Jackson Park late June 2019.
- Capture runoff from the City's Fleet Maintenance Facility on 4th Ave E and Williams St.



Location



Benefits

- Reduce pollutants entering Mud Creek.
- Provide additional pollinator habitat with native wildflowers.
- Water quality and stormwater educational opportunity for the community.

Logistics

- City of Hendersonville's Stormwater Division will:
 - Purchase all materials.
 - Responsible for ongoing maintenance.
 - Partner with local non-profits Conserving Carolina and El Centro on the installation.
- Rain Garden will have no impact on current uses or infrastructure of Jackson Park.

Thank You!

Christine Brown

Environmental Programs Coordinator

cbrown@hendersoncountync.gov

(828) 694-6524

