

April 06, 2022

Charles Harwood Memorial Complex
3500 Est. Richmond
Christiansted, VI 00820

Reference: CHMC
Pre/Post Basin Calcs

Existing grading conditions for the Charles Harwood Memorial Complex convey stormwater to existing swales, inlets, trench drains, through pipes and overland sheet flow within two basins onsite. The 5.21 acre site slopes from Route 703 (North Side Road) at elevation 90 to the north at elevation 60.

- Basin 1 conveys stormwater to the northwest of the property where it discharges into the roadway.
- Basin 2 conveys stormwater to the roadway along the northeast corner of the property.

The Proposed development site plan will reduce the impervious surfaces within the site thus reducing offsite stormwater discharge rates. Flow patterns within Basin 1 and Basin 2 will be maintained in the proposed development.

Per the SWPPP, to eliminate sediment from being discharged off the site during construction, contractor will employ BMP's such as settling basin, silt fence, gravel driveway entrances, inlet protection, turbidity barriers and slope stabilizing practices. See breakdown of pre/post conditions in Table 1 below and Exhibits 1 and 2 attached for reference.

Pre-Condition		Post-Condition	
Cover	Area (Ac)	Cover	Area (Ac)
Pervious	1.41	Pervious	1.43
Impervious	3.8	Impervious	3.78
Total Site	5.21	Total Site	5.21

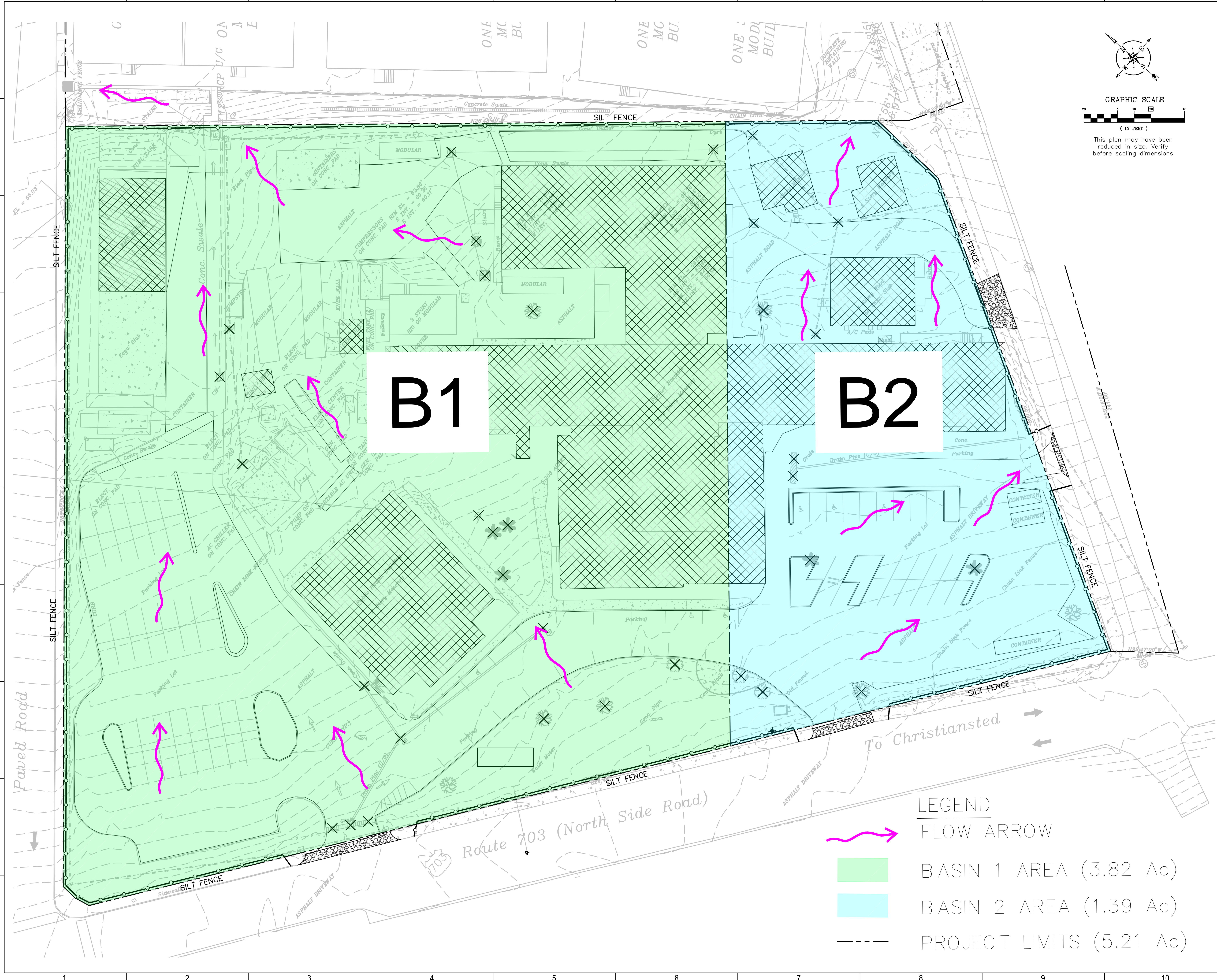
Best,
HARRIS CIVIL ENGINEERS, LLC



John Riordan, PE


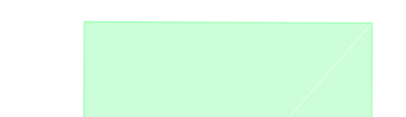

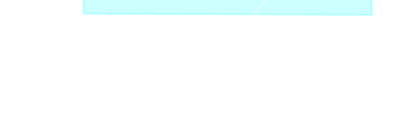
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FILE NAME: G:\PROJ\07287001\CIVIL\EXHIBITS\EX-EXISTING BASINS.DWG
 TIME: 06 APR 2022 - 3:54PM
 USER: LUKEM



B1

B2

- LEGEND**
-  FLOW ARROW
 -  BASIN 1 AREA (3.82 Ac)
 -  BASIN 2 AREA (1.39 Ac)
 -  PROJECT LIMITS (5.21 Ac)

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Stamps & Approvals

Project Key Plan
NOT FOR CONSTRUCTION

Rev	Date	Description



CHARLES HARWOOD MEMORIAL COMPLEX
 3500 Est. Richmond
 Christiansted, VI 00820

CHMC

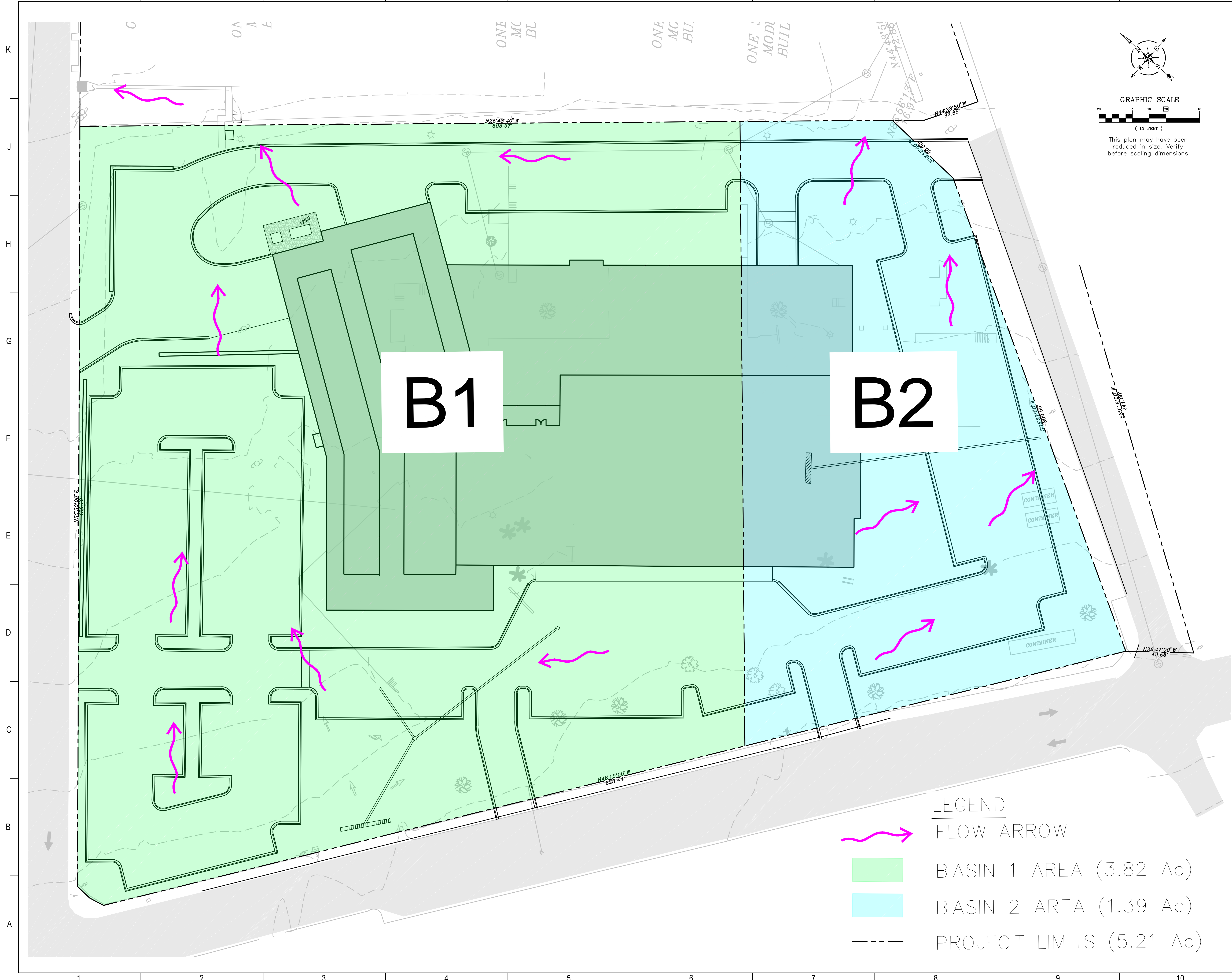
Project Phase
 ABATEMENT and DEMOLITION

Date APRIL 1, 2022	Drawn By JJR
HCE Project Number P7287.001	Checked By JOHNR

Sheet Title
EXISTING BASINS

Sheet Number EX-1	Rev. No.
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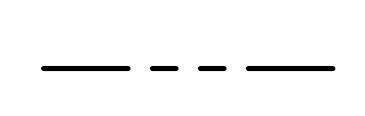
GRAPHIC SCALE
 (IN FEET)
 0 10 20 30 40

This plan may have been reduced in size. Verify before scaling dimensions

B1

B2

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Project Phase ABATEMENT and DEMOLITION	
Date APRIL 1, 2022	Drawn By JJR
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Sheet Title
PROPOSED BASINS

Sheet Number EX-2	Rev. No.
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