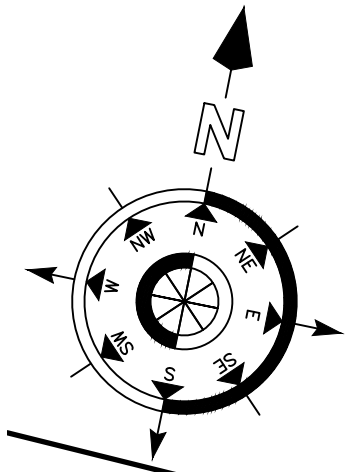


LOCUS  
1" = 500'



N/F  
49-574  
GLOBAL COMPANIES LLC  
389 ELMWOOD AVE PROVIDENCE, RI

**ZONING REQUIREMENTS**

Zoning District: C-2  
Map: 49 Lot: 568

Owner of Record  
Ayoub Realty LLC  
Deed Bk. 13942 pg. 181

**EXISTING STORM-WATER ANALYSIS**

Soil: NP—Newport-Urban land complex  
HYDROLOGIC GROUP: A  
EXISTING HYDROLOGIC AREAS:  
D1 = 25,281 SQ. FT

**EXISTING CONDITIONS MAXIMUM FLOW RATE (CFS)**

CATCHMENT	2 YR STORM	10 YR STORM	25 YR STORM	100 YR STORM
D1	1.93	2.91	3.67	5.20

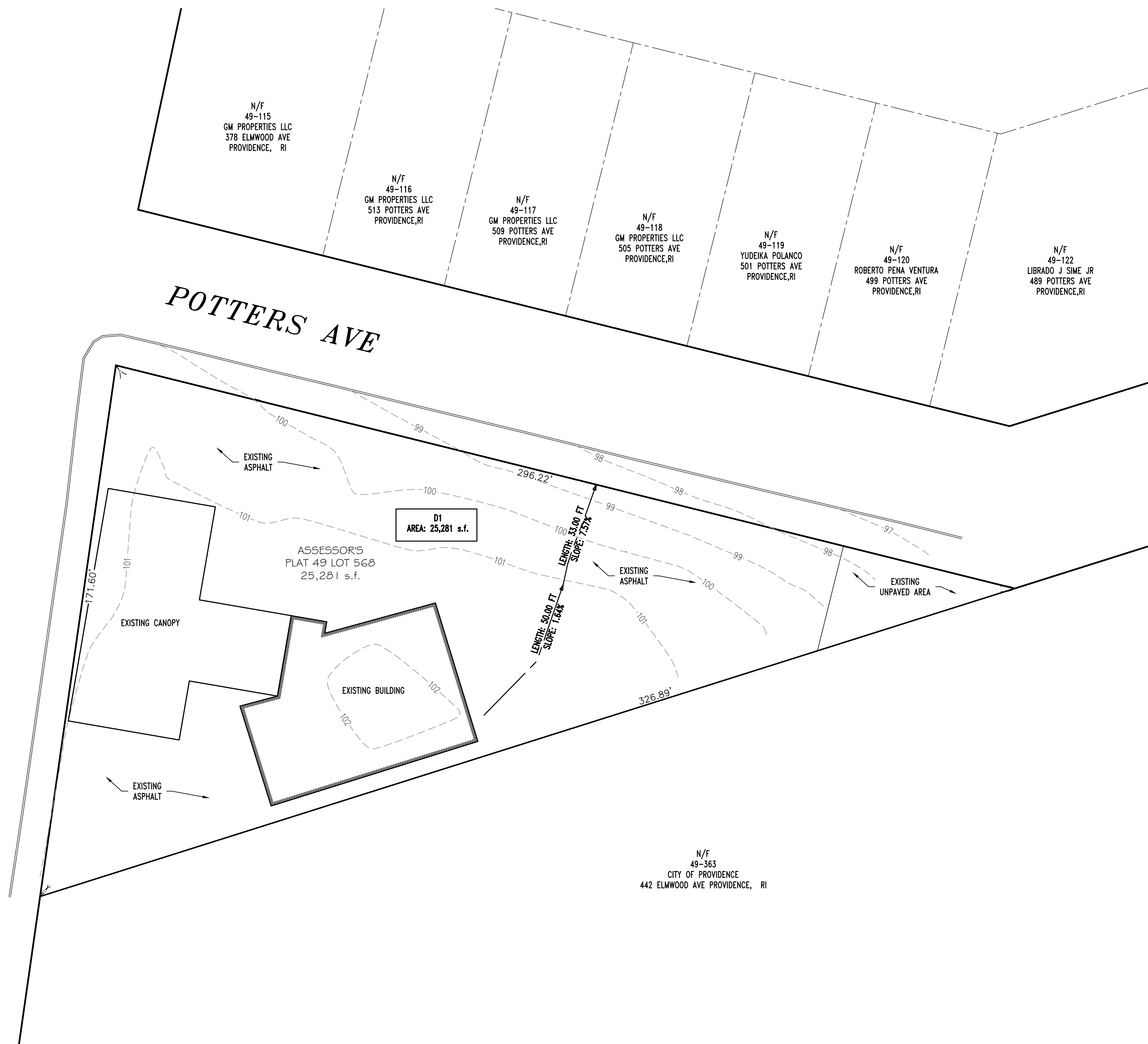
1 cfs IS EQUIVALENT TO 448.8 g/m

A 25 YR. STORM WILL PRODUCE A MAXIMUM RATE OF 1,647 GALLONS OF WATER PER MINUTE OFF SITE.

ALL EXISTING STORM WATER RUNOFF IS DIRECTED TO THE PUBLIC DRAINAGE SYSTEM.

ELMWOOD AVE

POTTERS AVE



**JIREH CONSTRUCTION LLC.**  
DESIGNER AND GENERAL CONSTRUCTION SERVICES  
WOONSOCKET, RI. 02895  
TEL. (401) 854-7519

"Providing high quality, competitive, and innovative planning and construction solutions."

PROJECT: "DRAINAGE PLAN"  
PRE-CONSTRUCTION PLAN  
366 ELMWOOD AVENUE  
PROVIDENCE, RI 02907

CLIENT: MICHAEL AYOUB



SCALE: 1" : 20'

DATE: 05-31-2024

DRAWN BY: JAB/HAG

REVIEWED BY: TS

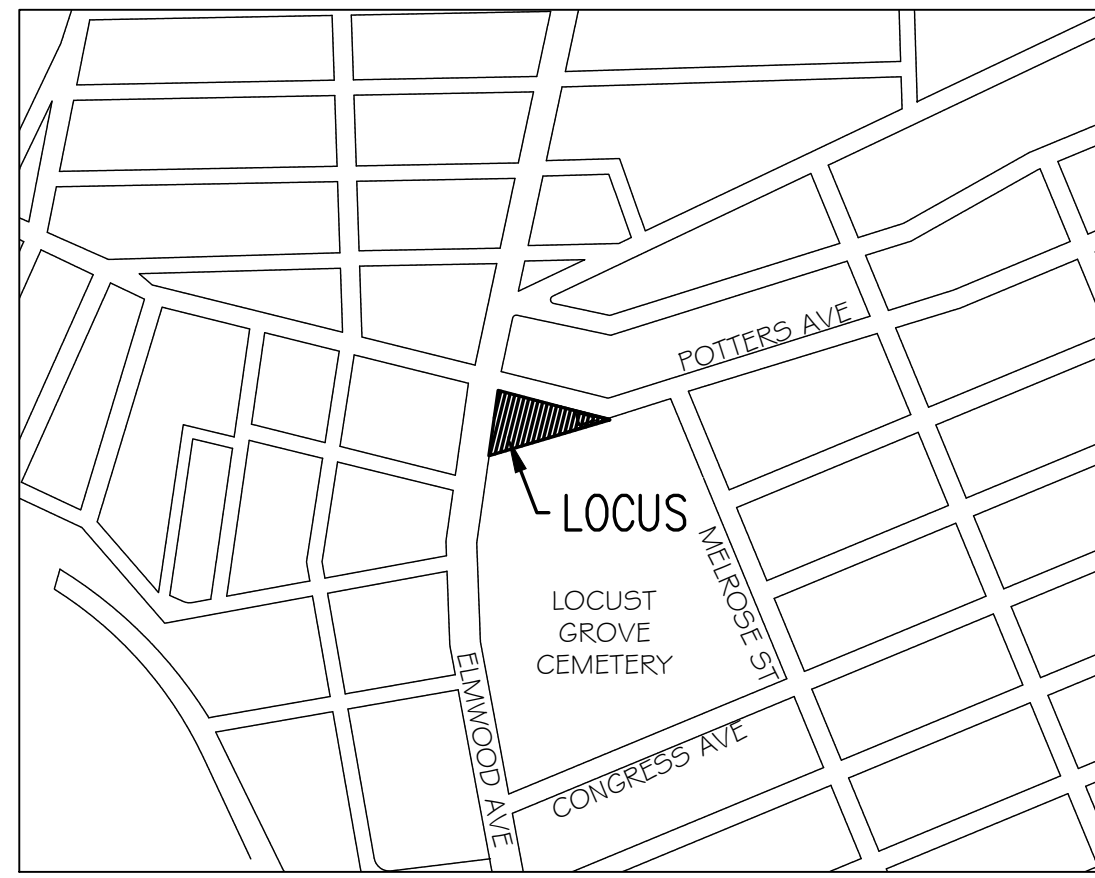
JOB NO. 2118-07

SHEET NO. 1

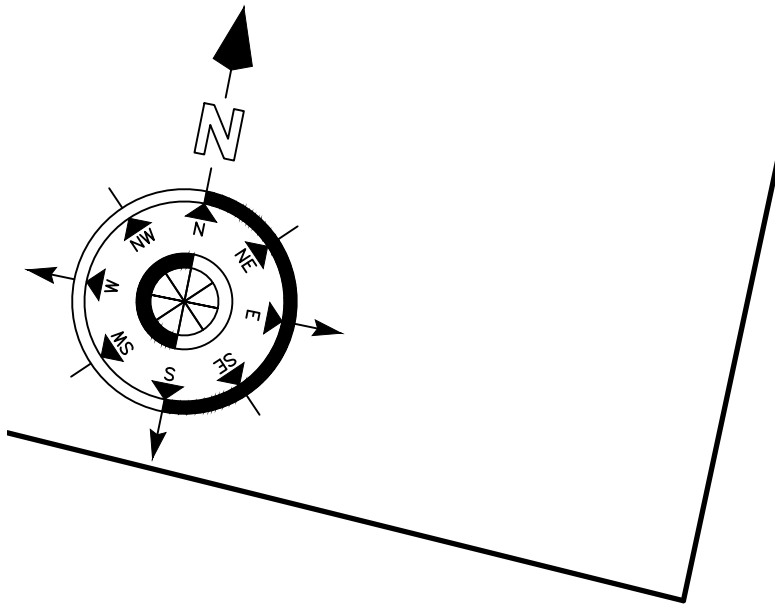
**D1 of D2**

REV. NO.	DATE	DESCRIPTION	BY
REVISIONS			





LOCUS  
1" = 500'



N/F  
49-574  
GLOBAL COMPANIES LLC  
389 ELMWOOD AVE PROVIDENCE, RI

**ZONING REQUIREMENTS**

Zoning District: C-2  
Map: 49 Lot: 568

Owner Of Record  
Ayoub Realty LLC  
Deed Bk. 13942 pg. 181

**PROPOSED STORM-WATER ANALYSIS**

Soil: NP—Newport-Urban land complex  
HYDROLOGIC GROUP: A  
EXISTING HYDROLOGIC AREAS:

D1 = 19,158 SQ. FT.  
ROOF = 6,124 SQ. FT.

**PROPOSED CONDITIONS MAXIMUM FLOW RATE (CFS)**

CATCHMENT	2 YR STORM	10 YR STORM	25 YR STORM	100 YR STORM
D1	0.55	1.20	1.75	5.11
Roof	0.51 TO INFILTRATION SYSTEM	0.77 TO INFILTRATION SYSTEM	0.96 TO INFILTRATION SYSTEM	1.37 TO INFILTRATION SYSTEM

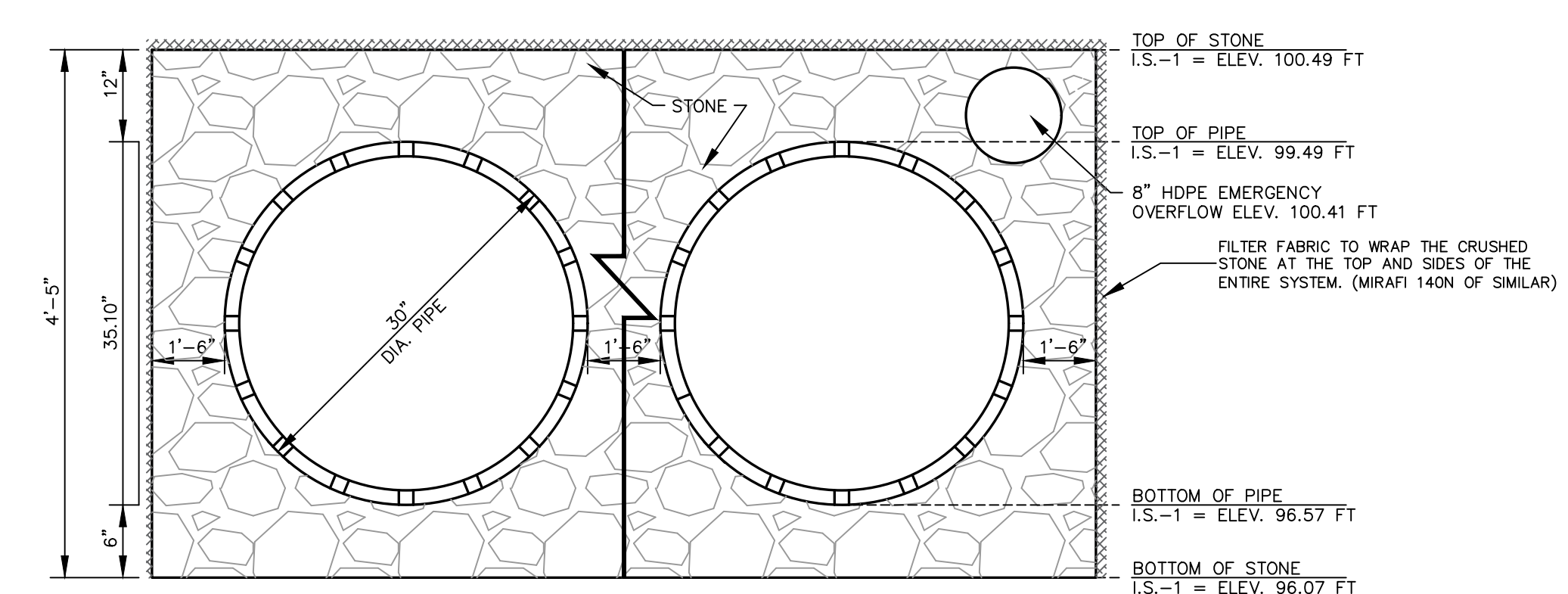
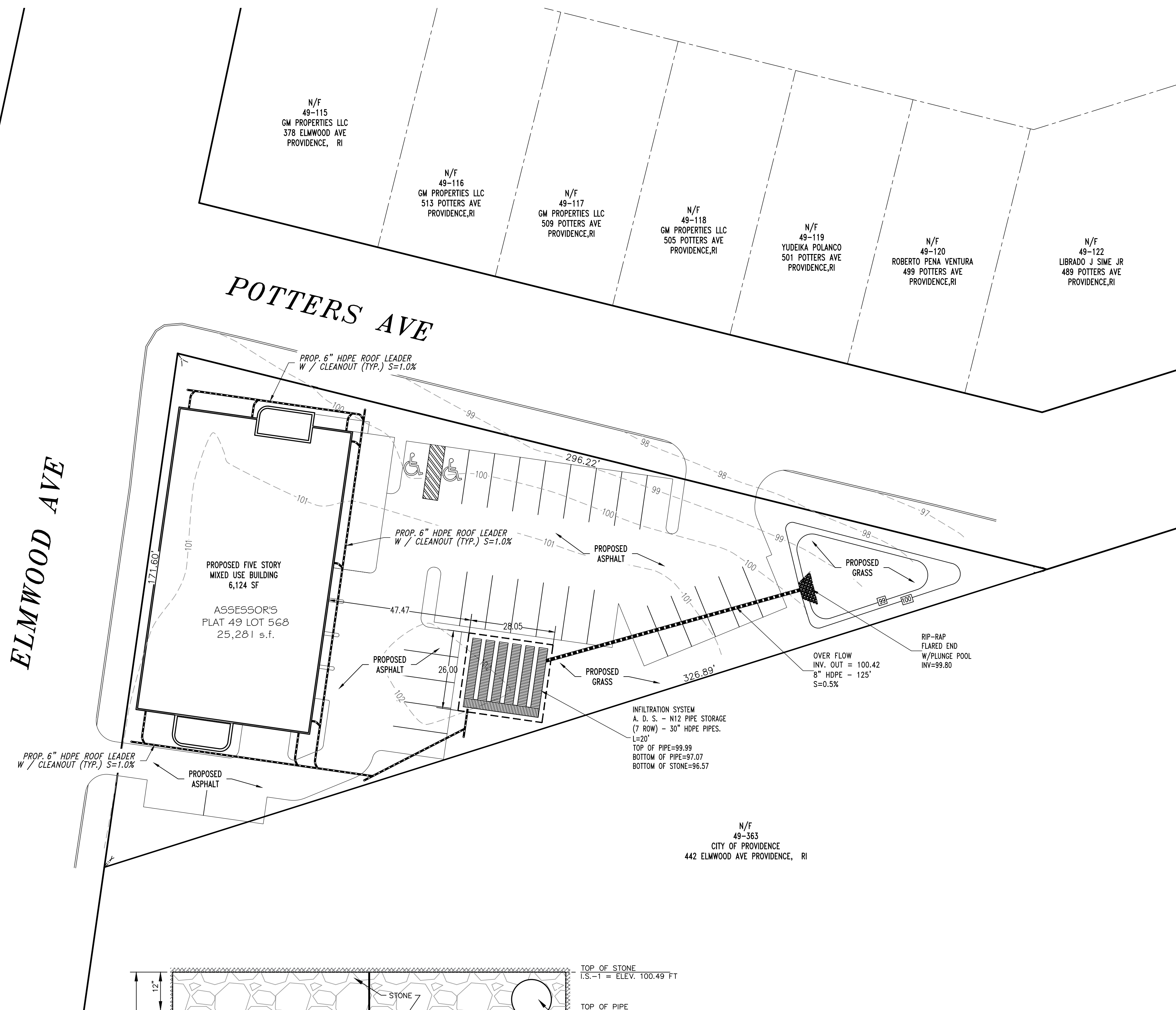
1 cfs IS EQUIVALENT TO 448.8 g/m

A 25 YR. STORM WILL PRODUCE A MAXIMUM RATE OF 785 GALLONS OF WATER PER MINUTE. COMPARING PRE-CONSTRUCTION WITH POST CONSTRUCTION, WE ANTICIPATE A REDUCTION OF 853 GALLONS PER MINUTE FROM THE SITE AS RUNOFF.

RUNOFF GENERATED FROM PROPOSED ROOF WILL BE RETAINED AND INFILTRATED USING AN INFILTRATION SYSTEM. SEE DETAILS.

ELMWOOD AVE

POTTERS AVE



STORAGE PIPE NO.	DIAMETER	NUMBER OF ROWS	LENGHT	TOP OF PIPE	BOTTOM OF PIPE	BOTTOM OF SYSTEM
STORAGE PIPE 1	30"	7	20'	99.49	96.57	96.07

N12 STORMWATER MANAGEMENT SYSTEM (TYPICAL CROSS SECTION)



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CLIENT: MICHAEL AYOUB

SCALE: 1" : 20'

DATE: 05-31-2024

DRAWN BY: JAB/HAG

REVIEWED BY: TS

JOB NO. 2118-07

SHEET NO. 1



**D2** OF **D2**

REV. NO.	DATE	DESCRIPTION	BY