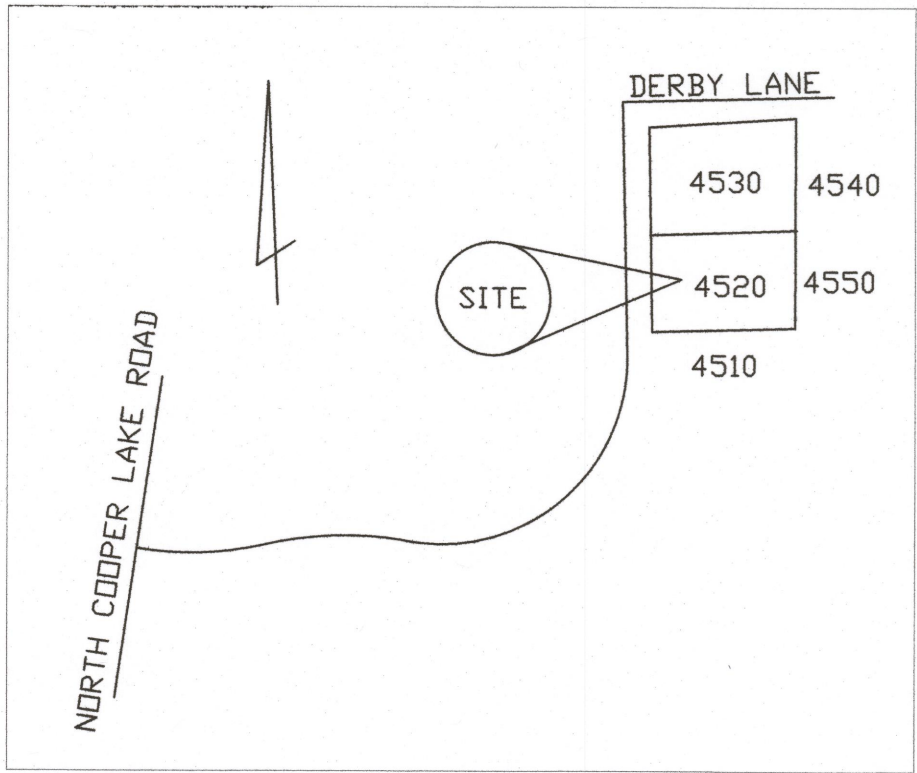


RUNOFF REDUCTION		
BASIN #1		
TOTAL SITE AREA (A) =	0.011478	acre
DRAINAGE AREAS		
Drainage Area	Impervious Area	
Subcatchment-1	0.011	acre
Subcatchment-2	0.000	
Subcatchment-3	0.000	
Total Impervious	0.011	acre
Design Precipitation (P) =	1.0	inch
% Impervious Cover (I) =	100	
Volumetric Runoff Coefficient (R) =	0.950	
RRv =	0.001	ac-ft
	40	cu-ft

EXCAVATED BASIN DIMENSIONS		
INFILTRATION SYSTEM I.S. BMP#1		
Pipe Dia =	6"	0.5 ft
Pipe Length =		21.5 ft
Number of Pipes =		1.0 ea
Pipe Stormwater Volume		4.2 cf
Trench Width =		2.0 ft
Storage Depth =		2.0 ft
Trench Length =		23.5 ft
Trench Excavated Volume =		94.0 cf
Trench Gravel Volume =		89.8 cf
Gravel Stormwater Volume (40%) =		35.9 cf
Runoff Reduction Volume Provided		40.1 cf

TRENCH RRv DIMENSIONS	
RRv LENGTH:	23.5'
RRv WIDTH:	2'
RRv DEPTH:	2.5'



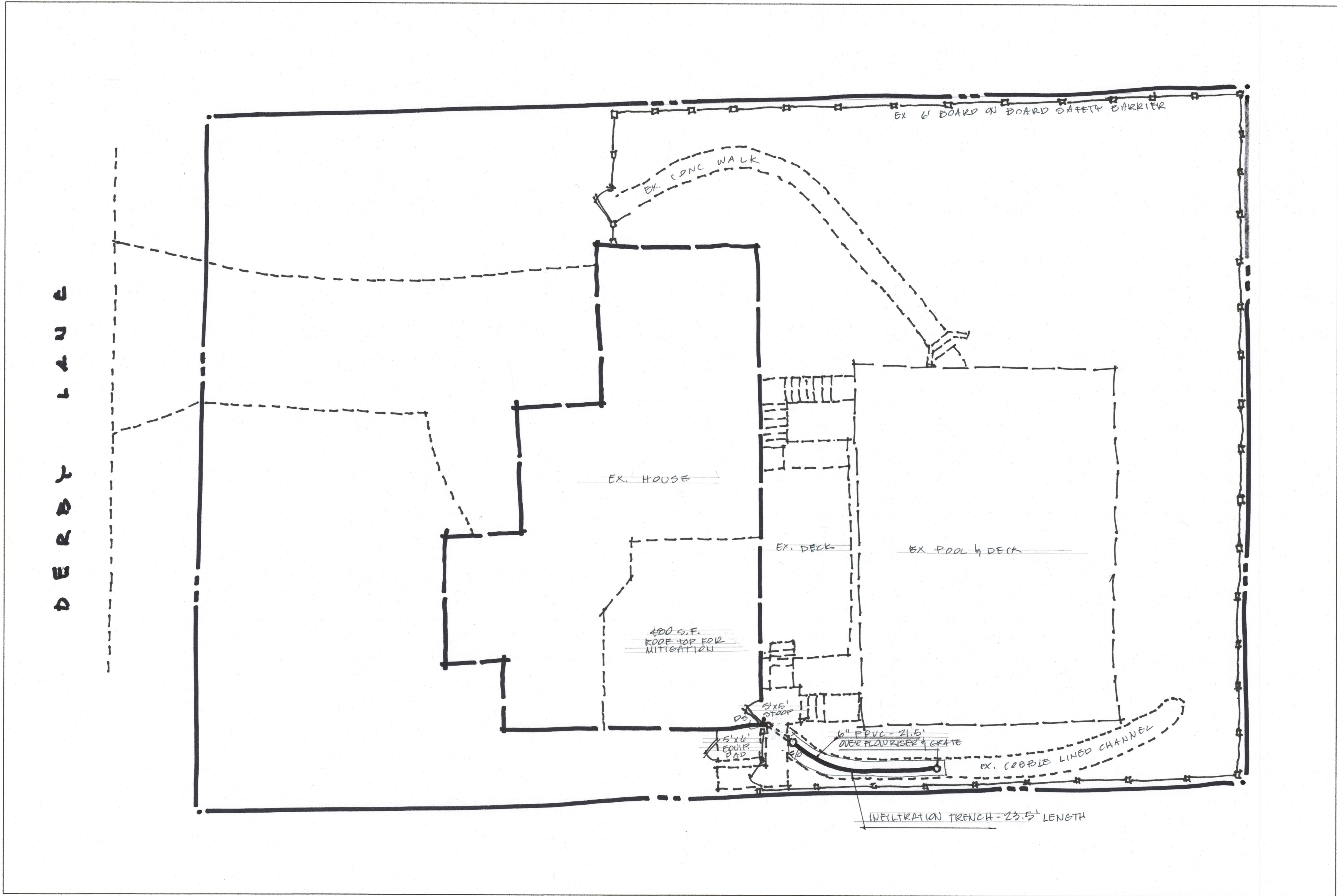
VICINITY MAP

GENERAL NOTES

- OWNER: TAMICIA MATHEWS
- LOT INFORMATION TAKEN FROM:
LOT 12 CHURCHILL DOWNS
PLAT BOOK 104 PAGE 17; RECORDED 10-9-1985.
LAND AREA 15,000 S.F.
LAND LOTS 333,368,405
- SURVEY BY A.O. CARLILE-SURVEYOR,
723 COLLINGS RD
MARIETTA GA 30066
PH. 404-422-3655

SCOPE OF WORK

- CONTRACTOR: REMOVE AND STORE EXISTING RIVER STONE. REPLACE AFTER INSTALLING INFILTRATION TRENCH.
- EXCAVATE TRENCH ACCORDING TO TRENCH DIMENSIONS GIVEN, INSTALL INFILTRATION TRENCH USING #57 STONE, 6" PERFORATED PVC PIPE, FILTER FABRIC WRAP
- END PIPE WITH 6" OVERFLOW WITH SAFETY GRATE.

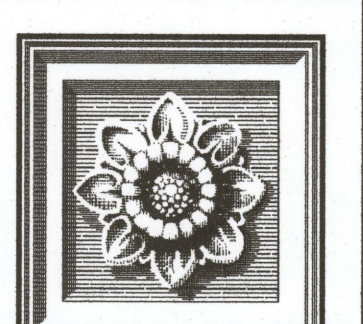
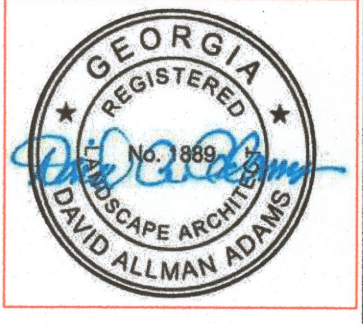


IMPERVIOUS MITIGATION PLAN:
1"=10'0"±

DATE	REVISION
07/09/2024	SUBMISSION

STEWARDSHIP ENTERPRISE, LLC
Land Planning, Landscape Architecture, Land Development

IMPERVIOUS MITIGATION SITE PLAN
TAMICIA MATHEWS RESIDENCE
4520 DERBY LANE SE
SMYRNA, GA 30082
JULY 9, 2024



SHEET	OF
1	1