

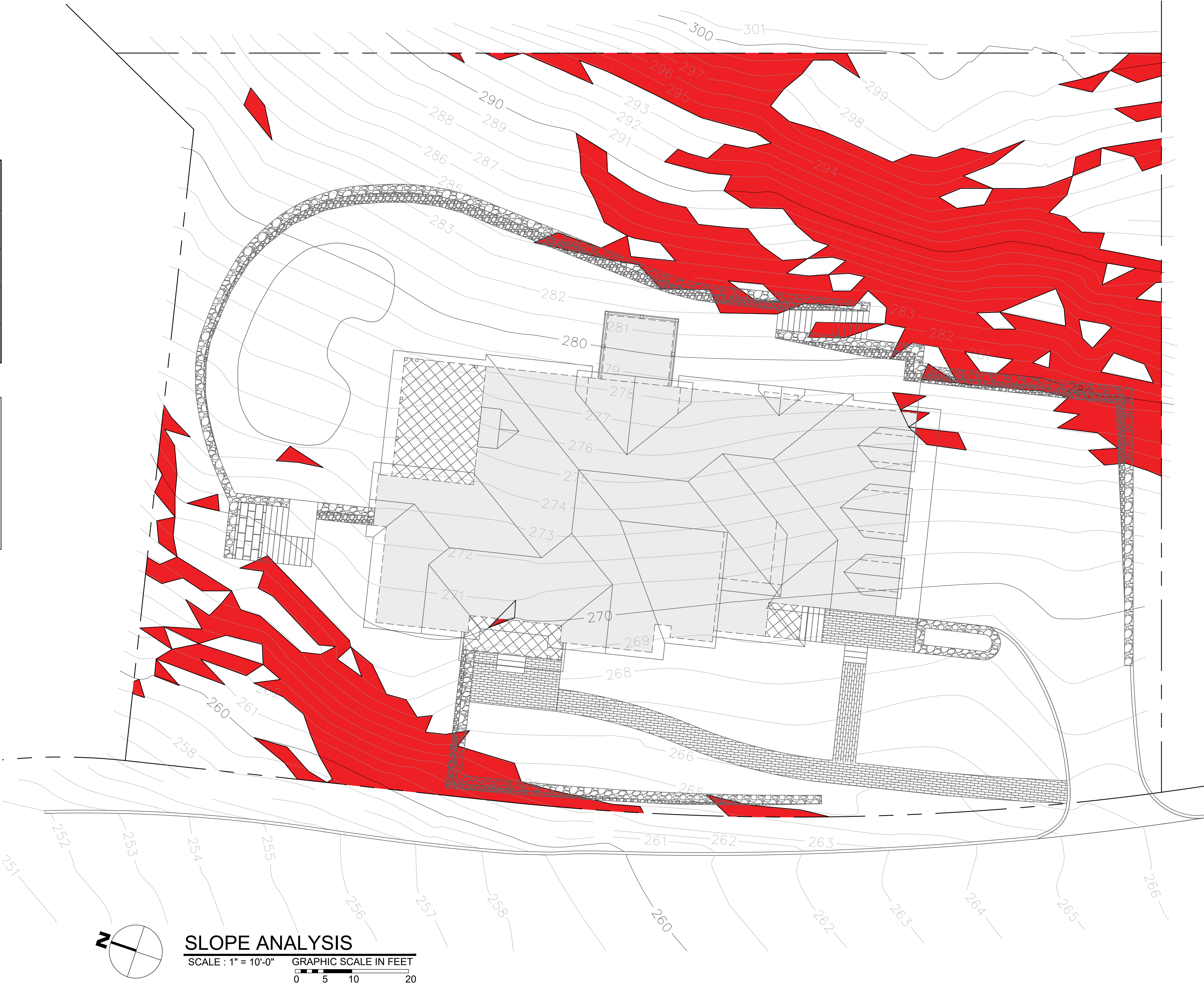


NOT FOR CONSTRUCTION

SLOPE ANALYSIS			
HATCH	RANGE	AREA	PERCENT
	0.0% - 35%	19001.51 SF	81.42%
	35% - <	4335.92 SF	18.58%
	TOTAL	23,337.43	100%

PROCESS DESCRIPTION:

TO PERFORM THE SLOPE ANALYSIS, A CAD SURVEY WITH TOPOGRAPHIC INFORMATION WAS IMPORTED INTO "REVIT" SOFTWARE TO MODEL A SURFACE WHICH PRECISELY FOLLOWS THE CONTOUR LINES FROM THE SURVEY. A REVIT PLUGIN CALLED "ENVIRONMENT" WAS USED TO INSERT THREE RANGE VALUES (0-35% AND 35% - <). THE RANGE PARAMETER THEN CALCULATED THE AREA AND PERCENT OF THE SLOPES WITHIN THE PROPERTY LINES. TO ACCURATELY PRESENT THESE AREAS, THREE HATCHES WERE CREATED TO DIAGRAM EACH RANGE VALUE. THE RESULTS WERE THEN EXPORTED INTO AUTOCAD FOR FINAL DOCUMENTATION.



TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT OF THE UNDERSIGNED, THE PLANS AND SPECIFICATIONS DEPICTED ON THESE DRAWINGS ARE IN COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE CURRENTLY IN EFFECT.

WARNING:
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATIONAL LAW ARTICLE 145 SECTION 7209 FOR ANY PERSON UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.



27 Main Street : a
Dobbs Ferry, NY 10522
914-276-8874 : o
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PROJECT TITLE:
GIGLIO PROPERTY
79 NORTH MOUNTAIN DRIVE
DOBBS FERRY, N.Y. 10522
PROJECT NO. **2207**

GOTHAM DESIGN
PLANNING AND DEVELOPMENT LTD.

329 Broadway
Dobbs Ferry, N.Y. 10522
Phone: (914) 693-5093
Fax: (914) 693-5390
email: arch329@gmail.com




ISSUED / REVISIONS

SHEET TITLE:
SLOPE ANALYSIS

DATE: 06/15/2022	DRAWN BY: SSJ
SCALE: AS NOTED	CHECKED BY: PRS

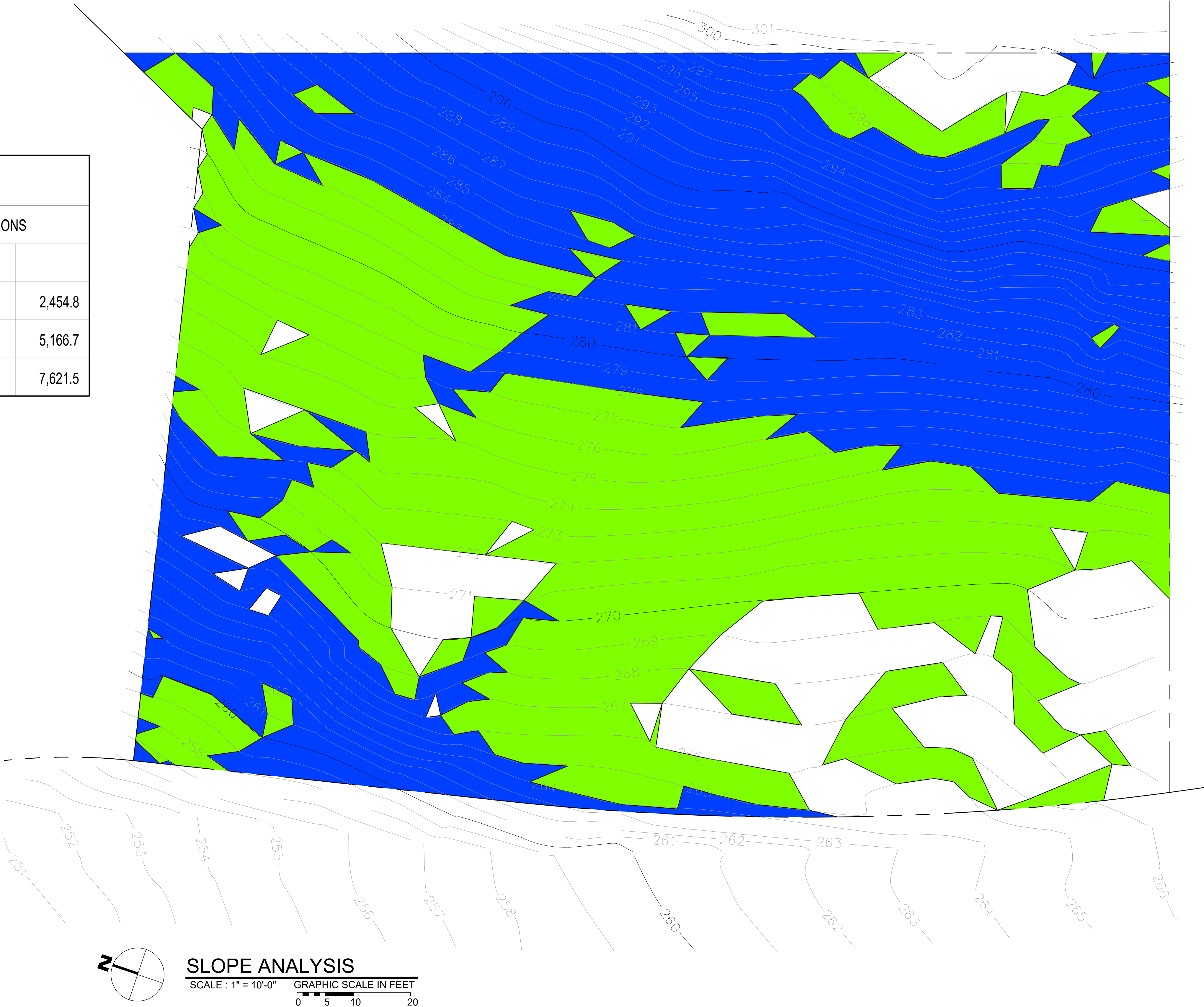
SP-1.2

NOT FOR CONSTRUCTION

SLOPE ANALYSIS					
HATCH	RANGE	AREA	PERCENT	DEDUCTIONS	
	0.0% - 15%	3,184.38 SF	13.6%	0.0%	
	15% - 25%	9,819.2 SF	42.1%	25%	2,454.8
	25% - <	10,333.4 SF	44.3%	50%	5,166.7
	TOTAL	23,337.43	100%		7,621.5

PROCESS DESCRIPTION:

TO PERFORM THE SLOPE ANALYSIS, A CAD SURVEY WITH TOPOGRAPHIC INFORMATION WAS IMPORTED INTO "REVIT" SOFTWARE TO MODEL A SURFACE WHICH PRECISELY FOLLOWS THE CONTOUR LINES FROM THE SURVEY. A REVIT PLUGIN CALLED "ENVIRONMENT" WAS USED TO INSERT THREE RANGE VALUES (0-15%, 15-25%, AND 25% - <). THE RANGE PARAMETER THEN CALCULATED THE AREA AND PERCENT OF THE SLOPES WITHIN THE PROPERTY LINES. TO ACCURATELY PRESENT THESE AREAS, THREE HATCHES WERE CREATED TO DIAGRAM EACH RANGE VALUE. THE RESULTS WERE THEN EXPORTED INTO AUTOCAD FOR FINAL DOCUMENTATION.



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DATE: **06/15/2022** DRAWN BY: **SSJ**
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SP-1.1