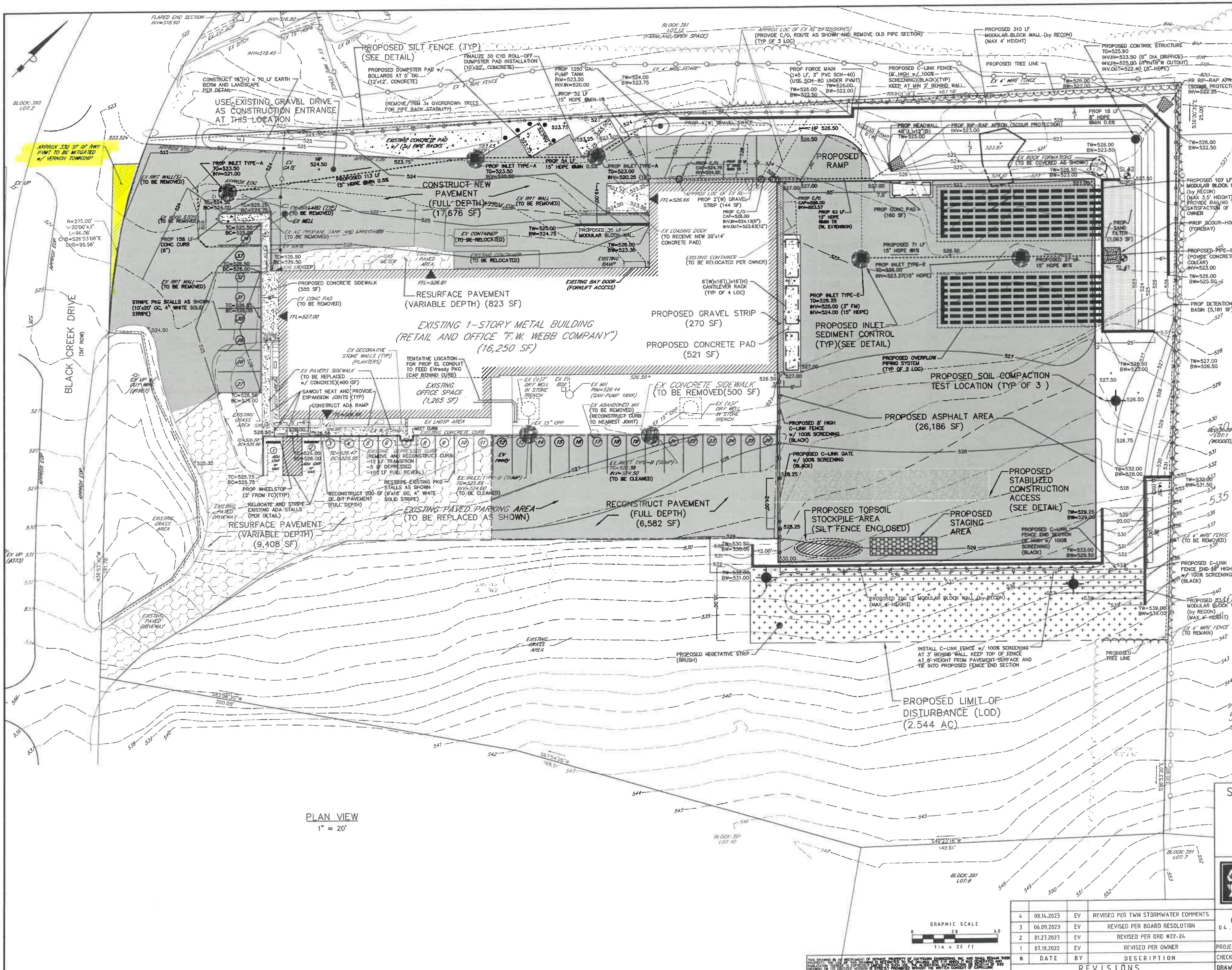

SOIL MOVEMENT CALCULATIONS:

1. FILL:

@PROPOSED RAMP	= 3,300 CF
@BERM-SOUTH	= 788 CF
@BERM-NORTH	= 1,609 CF
@BERM-BASIN	= 2,100 CF
@RETARDING AREA	= 5,067 CF
@ PAD	=27,000 CF
TOTAL FILL	=39,864 CF

2. CUT:

@BASIN	= 2,816 CF
@PAD	=24,300 CF
@WALLS	=14,055 CF
TOTAL CUT	=41,171 CF

PROPOSED EXPORT = 1,307 CF (48 CY)

SL#1

SOIL LOG & TEST RESULTS

TAKEN BY CAPRICORN ENGINEERING, INC.
SOIL-LOG DATE: 04.06.2023

0" - 4"	TOPSOIL
4" - 24"	10 YR 6/6 LOAM, SUBANG-BLOCKY, FRIABLE 10% GRAVEL, 5% COBBLE, 0% STONE
24" - 120"	10 YR 5/6 SANDY LOAM, SUBANG-BLOCKY, FRIABLE 10% GRAVEL, 5% COBBLE, 5% STONE NO MOTTLING/LEDGE DEPTH TO ROOTS: 72" SEEPAGE AT 84" (PONDING AT 118"/1HR) SOIL SAMPLE TAKEN AT 51" SOIL PERMEABILITY RATING: K-3 (2-6 IN/HR)

SL#2

SOIL LOG & TEST RESULTS

TAKEN BY CAPRICORN ENGINEERING, INC.
SOIL-LOG DATE: 04.06.2023

0" - 4"	TOPSOIL
4" - 21"	10 YR 6/6 LOAM, SUBANG-BLOCKY, FRIABLE 10% GRAVEL, 5% COBBLE, 0% STONE
21" - 120"	10 YR 5/6 SANDY LOAM, SUBANG-BLOCKY, FRIABLE 10% GRAVEL, 5% COBBLE, 5% STONE NO MOTTLING/LEDGE DEPTH TO ROOTS: 72" SEEPAGE AT 84" (PONDING AT 118"/1HR)

LEGEND:

DESCRIPTION	EXISTING	PROPOSED
CONTOUR MINOR	343	343
CONTOUR MAJOR	345	345
SPOT GRADE	+ 373.64	+ 373.64
DRAINAGE PIPE (DIA-MATERIAL/FLOW DIRECTION)	12" RCP	8" HDPE
INLET		
MANHOLE		
CLEAN OUT/VALVE	CO/GV	CO/GV
UTILITY POLE		
EVERGREEN TREE		
DECIDUOUS TREE		
TREE TO BE REMOVED		
TREE LINE		
STRUCTURE		
SEPTIC DISPOSAL AREA		
WELL		

SOIL EROSION AND SEDIMENT CONTROL PLAN

BLOCK: 391 LOT: 11
#6 BLACK CREEK DRIVE
FOR
FW WEBB COMPANY
VERNON TOWNSHIP, SUSSEX COUNTY, NJ

CAPRICORN ENGINEERING INC
WWW.capricornENG.net
ADDRESS 9 WILLS AVENUE WAYNE NJ 07470
CONTACT PHONE: 347.610.1190 EMAIL: staff@capricorneng.net

EMANUEL VASILESCU, PE
NJ PROFESSIONAL ENGINEER LICENSE NO. GE50460
NY PROFESSIONAL ENGINEER LICENSE NO. 091105

DATE: 04.25.2022
PROJECT# 2203
CHECKED BY: EV
DRAWN BY: ARV

DRAWING SCALE: As Shown

PLAN NO: 4 OF 8

REVISIONS

#	DATE	BY	DESCRIPTION
4	08.14.2023	EV	REVISED PER TWN STORMWATER COMMENTS
3	06.09.2023	EV	REVISED PER BOARD RESOLUTION
2	01.27.2023	EV	REVISED PER ORD #22-24
1	07.18.2022	EV	REVISED PER OWNER

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