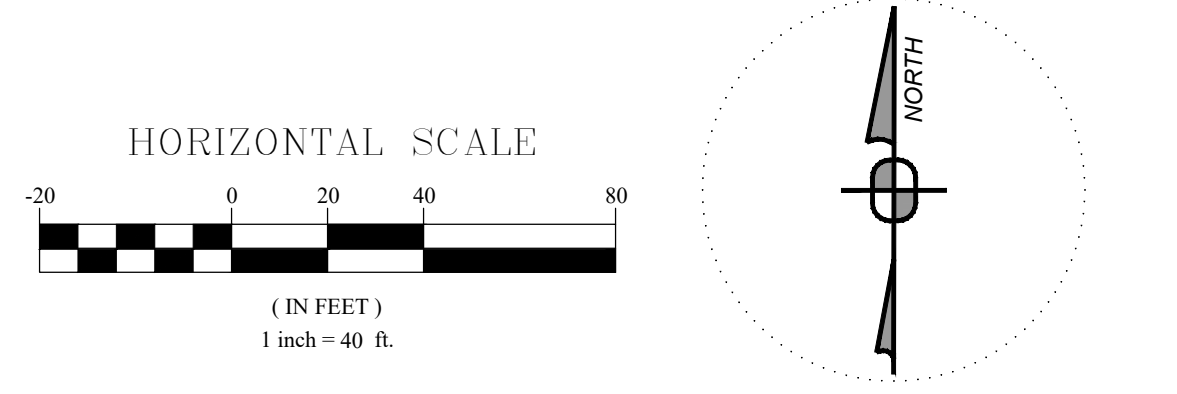
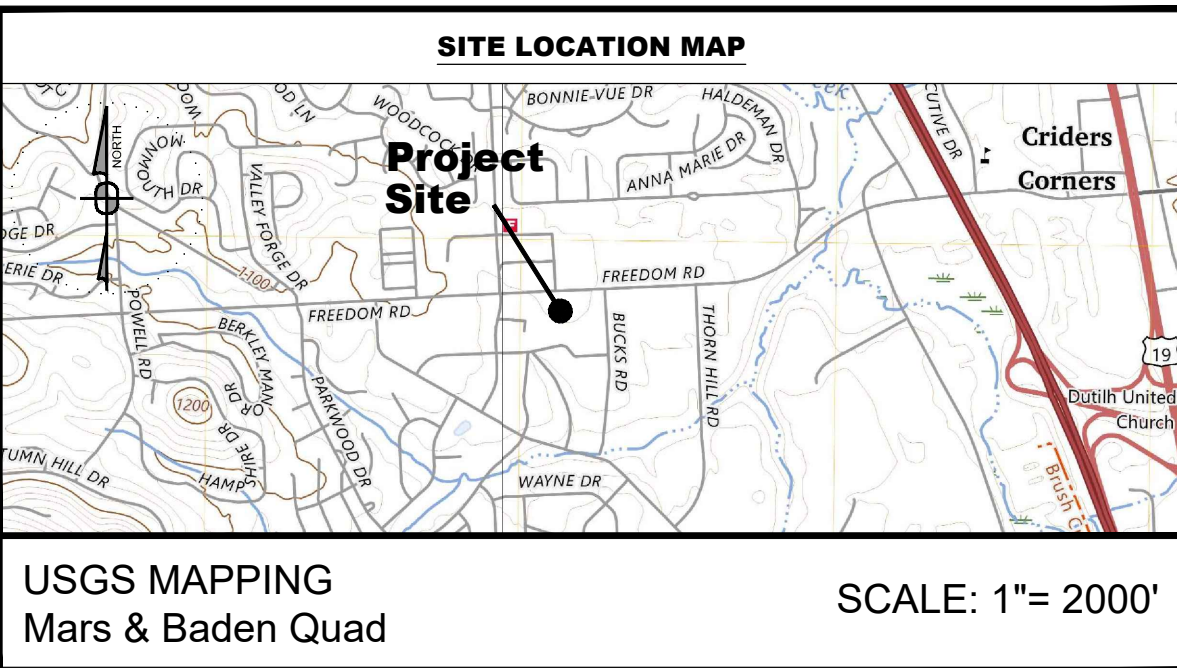


NPDES PERMIT BOUNDARY: 6.86 ACRES
LIMITS OF DISTURBANCE: 6.86 ACRES

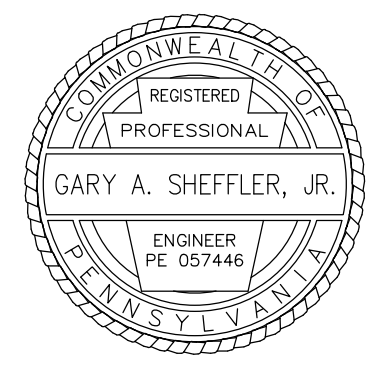
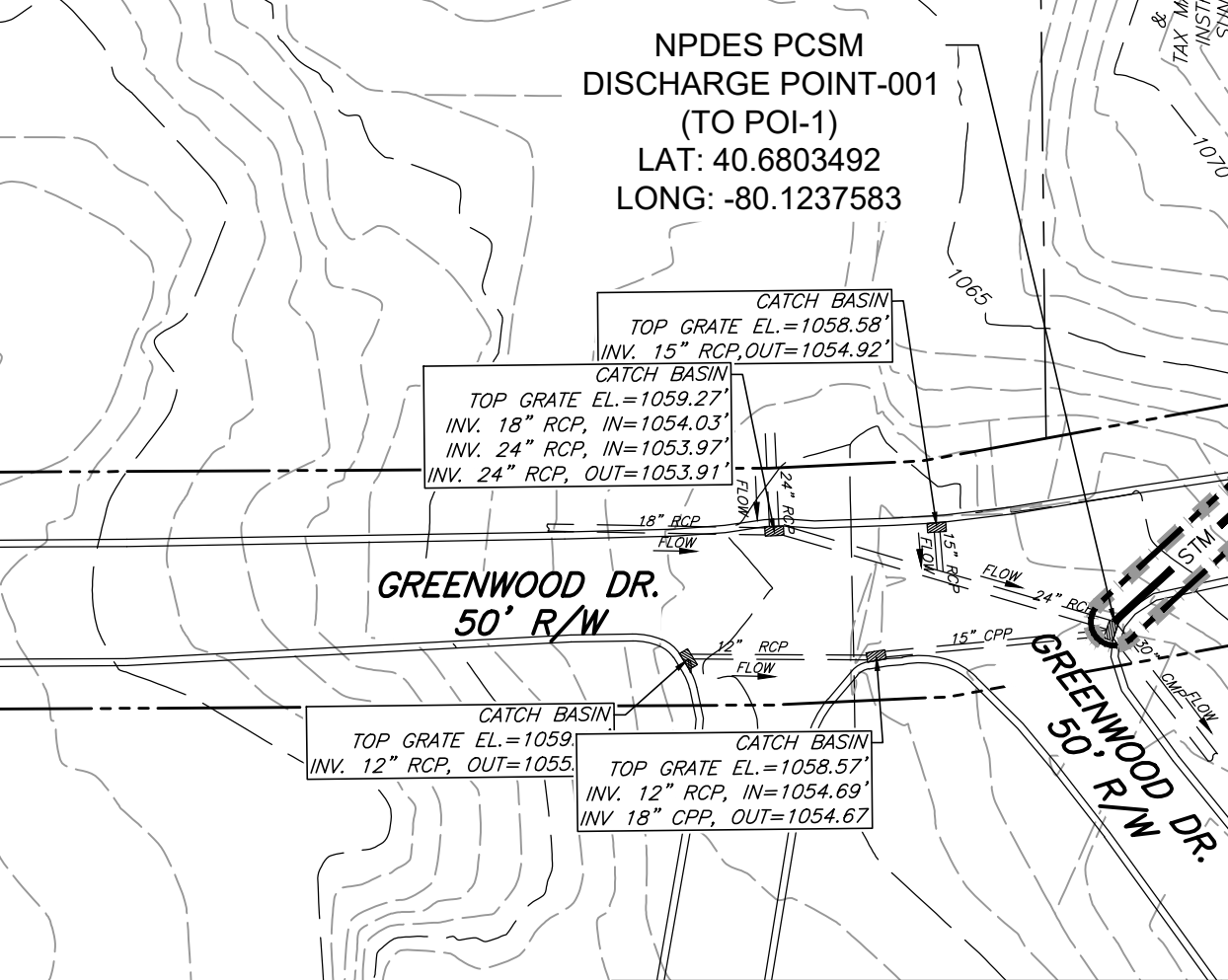
POTENTIAL LIMITING SOIL CHARACTERISTICS											
MAP SYM	DESCRIPTION	CUT BANKS CAVE CORROSION TO CONC. OR STEEL	DROUGHTY	EASILY ERODIBLE	FLOODING	DEPTH TO SAT. ZONE	POTENTIAL HYDRO/ HYDRO INCLUSIONS	LANDSLIDE PRONE	POOR PERCOLATION	PIPING	FROST ACTION
B8	Shallow Silty Loam 10 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X
TaB	Shallow Silty Loam 10 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X

NOTE: A COMPETENT PERSON WILL REVIEW THE SOIL CAPABILITY OF THE SITE AND MAKE RECOMMENDATIONS TO THE OWNER. SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED TO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

- REMEDIAL ACTIONS
- SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING:
- PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES
 - USE CLAY EMBANKMENT CORES.
 - UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS.
- SOILS WITH LOW STRENGTH:
- PREVENT SATURATION OR OVERLOADING OF SLOPES
 - PREVENT REMOVAL OF LATERAL SUPPORT
 - IMPORT ROAD FILL MATERIAL
- SOILS SUSCEPTIBLE TO CUTBANKS CAVE:
- PREVENT SATURATION OF SLOPES
 - PROVIDE ANCHORING OR RETAINING SYSTEMS.
 - PROVIDE BENCHING TO CATCH FALLING DEBRIS.
 - PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION.
- SOILS CORROSIVE TO CONCRETE/STEEL:
- MINIMIZE THE AMOUNT OF SOIL DISTURBANCE
 - PROVIDE PROTECTIVE COATING TO CONCRETE AND STEEL
 - PROVIDE EXTRA CONCRETE AND STEEL THICKNESS
- SOILS THAT ARE POOR SOURCES OF TOPSOIL:
- PERFORM SOIL TESTS TO DETERMINE PROPER APPLICATION OF SOIL
 - AMENDMENTS AND TO DETERMINE THE PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE COVER
- SOILS THAT ARE HYDRIC:
- EXISTING ON-SITE WETLANDS AND STREAMS MUST BE DELINEATED
 - NO WORK SHALL BE PERFORMED WITHIN 100 FEET OF ANY WETLAND AREA
- SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL:
- LIMIT TIME OF EXPOSURE
 - UTILIZE EROSION CONTROL BLANKETS.
 - SELECT SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES
 - SODDING
 - USE OF SPECIAL STABILIZATION PRODUCTS.
- SOILS WITH SLOW PERCOLATION RATES:
- SHOULD INFILTRATION FACILITIES BE USED AT THE SITE.
 - TESTS SHALL BE PERFORMED TO DETERMINE PROPER PERCOLATION RATES
 - SOIL WILL BE AMENDED ACCORDINGLY BASED ON THE RESULTS OF TESTING
- SOILS SUSCEPTIBLE TO SLIPS AND LANDSLIDES:
- PREVENT SATURATION OF SLOPES
 - PROVIDE ANCHORING OR RETAINING SYSTEMS.
 - PROVIDE BENCHING TO CATCH FALLING DEBRIS.



DRAWING LEGEND	
	PROPERTY BOUNDARY LINE
	ADJACENT PROPERTY LINES
	ASPHALT PAVED ROADWAYS
	GRAVEL/GRASS ROADS/DRIVES
	EASEMENT LINES
	STREAM/WATERCOURSES
	WOODED/TREE LINES
	EXISTING CONTOURS (1' INTERVAL)
	PROPOSED CONTOURS (1' INTERVAL)
	NPDES PERMIT BOUNDARY
	LIMITS OF DISTURBANCE
	SOIL BOUNDARY
	CONCRETE ENCLOSURE WITH ROCK APRON
	PROPOSED STORM SEWER
	PROPOSED STORM SEWER LATERAL
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY SEWER LATERAL
	PROPOSED BASIN ACCESS ROAD



OWNER / DEVELOPER:
FREEDOM ROAD MANAGEMENT, LLC
STEVEN KOEHLER, MANAGER
290 NORTHGATE DRIVE
WARRENDALE, PA 15086

DATE	REVISION	DATE	SCALE	
04/05/2024	Initial NPDES Submission	4/05/2024	1" = 40'	
		DRAWN BY JRG	CHECKED BY GAS	
		DRAWING NO. PCSM1		

POST CONSTRUCTION STORMWATER
MANAGEMENT PLAN
SUMMERWIND TOWNHOMES
SITUATE IN
CRANBERRY TOWNSHIP, BUTLER COUNTY, PA
MADE FOR
FREEDOM ROAD MANAGEMENT, LLC

JMS
ENGINEERING

135 TECHNOLOGY DRIVE, SUITE 501 — CANONSBURG, PA 15317

