

CHAPTER 102 PRE-DEVELOPMENT SITE CHARACTERIZATION SPREADSHEET

Project Site Name: **West Field**

Project Site Area: **169.2** acres Applicant: **Homer City Generation LP**

Will PCSM requirements for the project be satisfied entirely by stormwater capture and use or riparian forest buffer SCMs or can the entire project be considered a site restoration activity?

☐ Yes ☒ No

Is the project site located in an area of known karst terrain?

☐ Yes ☒ No

☒ **Areas Excluded for Infiltration SCMs (attach map(s))**

Exclusion	Description	Area (ac)
2	Areas that have been field verified, prior to or in conjunction with subsurface investigations for infiltration capabilities, as having shallow bedrock conditions that would not comply with separation distance guidelines contained in this Manual or local ordinances for infiltration-based SCMs.	120
8	Areas that will not be disturbed where slopes exceed 20%, including 10 feet from the top and top of slope.	18

Area Unsuitable for Infiltration SCMs (ac): **138**
Area Potentially Suitable for Infiltration SCMs (ac): **31.2**

☒ **Soils Investigation**

Investigation method(s): ☒ Test pits ☒ Soil borings ☐ Other:

Provide an explanation for completing soil borings in lieu of or in addition to test pits:

Name(s) of professional(s) overseeing soils investigation:

Name	Company	License/Certification
Sue Toth	Apex Companies, LLC	Other License/Certification
Jonah Lambie	Apex Companies, LLC	Other License/Certification

☒ **Test Pit / Soil Boring Log** No. Test Locations: **25**

Test Location ID	Investigation Method	Total Depth Investigated (ft)	Limiting Zone Elevation (ft)	Limiting Zone Description	Infiltration Test(s) Completed?
TP-1	Test Pit	1160.3	6	Bedrock	Yes
TP-2	Test Pit	1168.6	2.6	Bedrock	Yes

TP-3	Test Pit	1187.5		None	Yes
TP-4	Test Pit	1190.6		None	Yes
TP-5	Test Pit	1189.6	4	Bedrock	No
TP-6	Test Pit	1190.6		None	Yes
TP-7	Test Pit	1198		None	Yes
TP-8	Test Pit	1131.9	3	Bedrock	Yes
TP-9	Test Pit	1141.4	2.5	Bedrock	Yes
TP-10	Test Pit	1131.6		None	Yes
TP-11	Test Pit	1141.5	0.6	Bedrock	No
TP-12	Test Pit	1202.7	2.1	Groundwater	No
TP-13	Test Pit	1190	4.9	Groundwater	Yes
TP-14	Test Pit	1175.6	1.7	Bedrock	No
TP-15	Test Pit	1175	1.9	Bedrock	No
TP-16	Test Pit	1163		None	Yes
TP-17	Test Pit	1175.4	1.9	Bedrock	No
TP-18	Test Pit	1175.5	0.7	Bedrock	No
TP-19	Test Pit	1169.8	6	Bedrock	No
TP-20	Test Pit	1169.7	1.6	Bedrock	No
TP-21	Test Pit	1142.8	1	Bedrock	No
TP-22	Test Pit	1149.5	2.6	Bedrock	No
TP-23	Test Pit	1162.7	0.7	Bedrock	No
TP-24	Test Pit	1147.4	3.3	Bedrock	Yes
TP-25	Test Pit	1155.4	0.5	Bedrock	No

☒ **Infiltration Test Results**

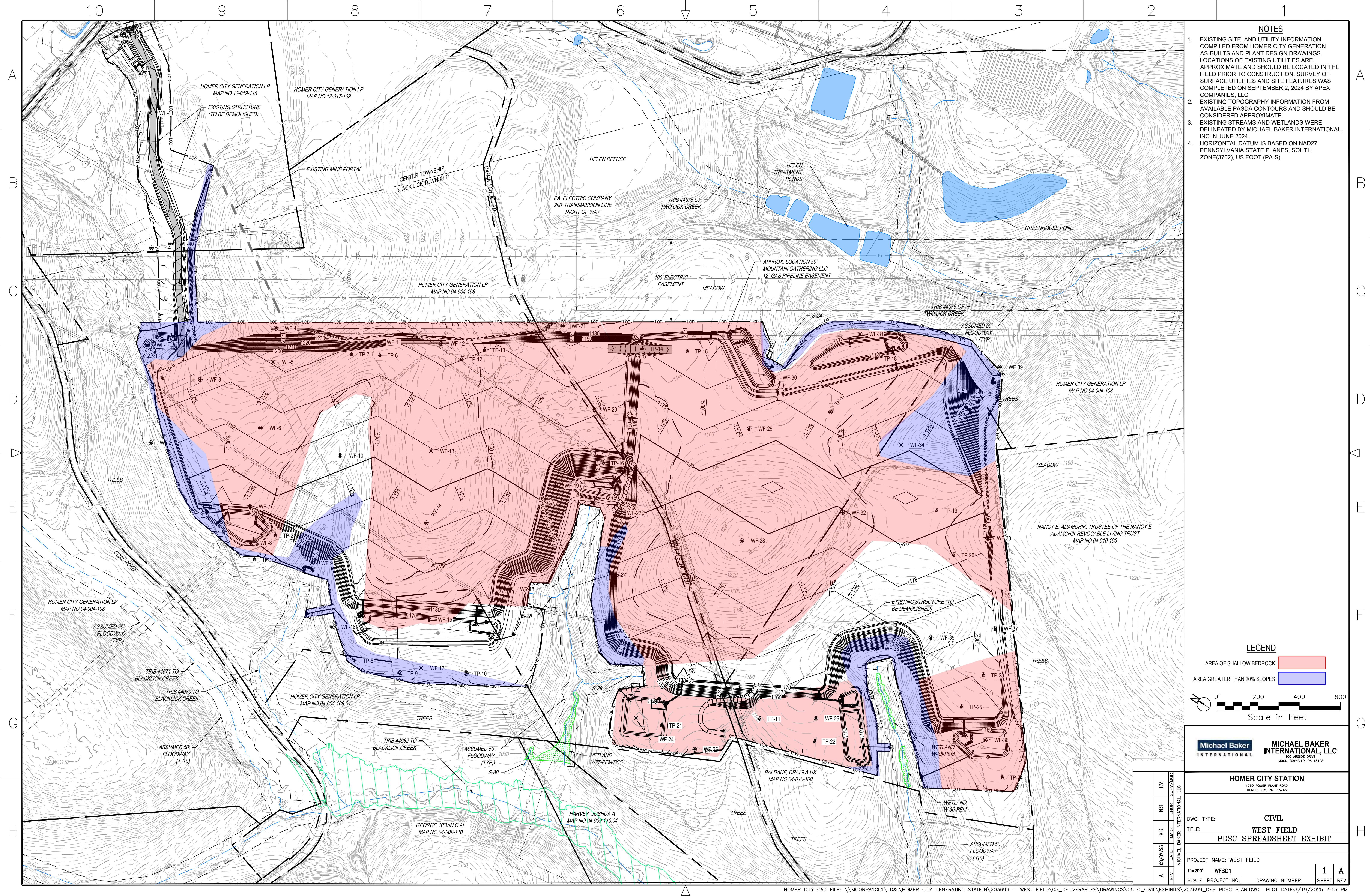
No. Infiltration Tests: 22

Test Location ID	Infiltration Test ID	Infiltration Test Elevation (ft)	Infiltration Test Method	Field Ksat (in/hr)	Temp (°F)	Adjusted Ksat (in/hr)
TP-1	1	1167.5	Double Ring	0.25	50	0.325
TP-1	2	1167.5	Double Ring	6.73	50	8.749
TP-2	1	1176.1	Double Ring	6	48	8.040
TP-3	1	1196.5	Double Ring	4.5	50	5.850
TP-3	2	1196.5	Double Ring	1.63	50	2.119
TP-4	1	1199.6	Double Ring	1.63	50	2.119
TP-4	2	1199.6	Double Ring	6.73	50	8.749
TP-6	1	1198.6	Double Ring	0.06	48	0.080
TP-6	2	1198.6	Double Ring	0.19	48	0.255
TP-7	1	1205.5	Double Ring	0	49	0.000
TP-7	2	1205.5	Double Ring	0	49	0.000
TP-8	1	1139.9	Double Ring	0.25	48	0.335
TP-9	1	1147.4	Double Ring	4.5	50	5.850
TP-9	2	1147.4	Double Ring	4.85	50	6.305
TP-10	1	1138.6	Double Ring	0.06	48	0.080
TP-10	2	1138.6	Double Ring	7.78	48	10.425
TP-13	1	1196	Double Ring	0	48	0.000
TP-13	2	1196	Double Ring	6	49	7.920
TP-16	1	1170.9	Double Ring	3.1	48	4.154
TP-16	2	1170.9	Double Ring	1	48	1.340
TP-24	1	1151.5	Double Ring	2	48	2.680
TP-24	2	1151.5	Double Ring	0	48	0.000

Recommended infiltration test location frequency: 1 test / 40,000 square feet (4 minimum)

Actual infiltration test location frequency: 0.4 test(s) / 40,000 square feet

Additional infiltration tests are recommended.



- NOTES**
- EXISTING SITE AND UTILITY INFORMATION COMPILED FROM HOMER CITY GENERATION AS-BUILTS AND PLANT DESIGN DRAWINGS. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. SURVEY OF SURFACE UTILITIES AND SITE FEATURES WAS COMPLETED ON SEPTEMBER 2, 2024 BY APEX COMPANIES, LLC.
 - EXISTING TOPOGRAPHY INFORMATION FROM AVAILABLE PASDA CONTOURS AND SHOULD BE CONSIDERED APPROXIMATE.
 - EXISTING STREAMS AND WETLANDS WERE DELINEATED BY MICHAEL BAKER INTERNATIONAL, INC IN JUNE 2024.
 - HORIZONTAL DATUM IS BASED ON NAD27 PENNSYLVANIA STATE PLANES, SOUTH ZONE(3702), US FOOT (PA-S).

LEGEND

AREA OF SHALLOW BEDROCK

AREA GREATER THAN 20% SLOPES

0' 200 400 600

Scale in Feet

Michael Baker International

MICHAEL BAKER INTERNATIONAL, LLC

100 ARSIDE DRIVE
MOON TOWNSHIP, PA 15108

HOMER CITY STATION			
1750 POWER PLANT ROAD HOMER CITY, PA 15748			
DWG. TYPE: CIVIL			
TITLE: WEST FIELD			
PDSC SPREADSHEET EXHIBIT			
PROJECT NAME: WEST FIELD			
1"=200'	WFSD1	1	A
SCALE	PROJECT NO.	DRAWING NUMBER	SHEET REV