



ECS Southeast, LLP

Report of Groundwater Depth Monitoring Services Sleep Inn Site

2nd Street
Garden City, Chatham County, Georgia, 31408

ECS Project Number 23:3174

March 3, 2020





March 3, 2020

Mr. Krishan Gandhi
Vice President of Development
HOS Management, LLC
1000 Towne Center Blvd, Suite 503
Pooler, GA 31322

ECS Project Number 23:317474

Reference: Report for Groundwater Depth Monitoring Services
Sleep Inn Site
2nd Street
Garden City, GA, 31408

Dear Mr. Gandhi:

ECS Southeast, LLC (ECS) is pleased to submit our report of Groundwater Depth Monitoring Services for the above referenced project. The attached report presents our understanding of the proposed project and the results of our groundwater depth monitoring. The work was completed in general accordance with ECS Proposal No. 23:3918-GP as authorized by Krishan Gandhi of HOS Management, LLC on January 23, 2020.

We appreciate the opportunity of working with you on this project and look forward to our continued association. Should you have questions regarding our findings or need additional consultations, please do not hesitate to contact our office at (912) 966-2527.

Respectfully,

ECS SOUTHEAST, LLP represented by:

Wesley A. Marshall
Staff Project Manager
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Micah Hatch, P.E.
Geotechnical Principal Engineer
mhatch@ecslimited.com



Attachments: Groundwater Monitoring Well Location Diagram
Groundwater Depth Observation Table

1.0 PROJECT INFORMATION

The site is located on 2nd street in Garden City, Georgia. The project is located just north of the existing truck stop (80 Quick Stop) at 305 US-80. According to available aerial imagery and observations of the site, the site consists primarily of open grass covered areas, with wooded areas in the northwest and northeast corners. The southern boundary of the site is currently paved.

According to the topographic information available from Savannah Area GIS, existing ground surface elevations range from approximately +4 to +8 feet across the site, slightly sloping downward from the west to east.

The proposed project consists of constructing a new Sleep Inn hotel. The new development will have associated paved parking and drive areas as well as on-site storm water management areas. As part of the underground detention design for storm water management, establishment of the prevailing groundwater table is requested.

2.0 FIELD SERVICES

To determine the approximate depths of groundwater at the site, groundwater monitoring wells (piezometers) were installed and the groundwater depth was measured.

2.1 WELL INSTALLATION AND GROUNDWATER OBSERVATIONS

Four (4) piezometers, designated MW-1 through MW-4, were installed at locations selected by Maupin Engineering throughout the property. The approximate locations of the piezometers are indicated on the attached location diagram.

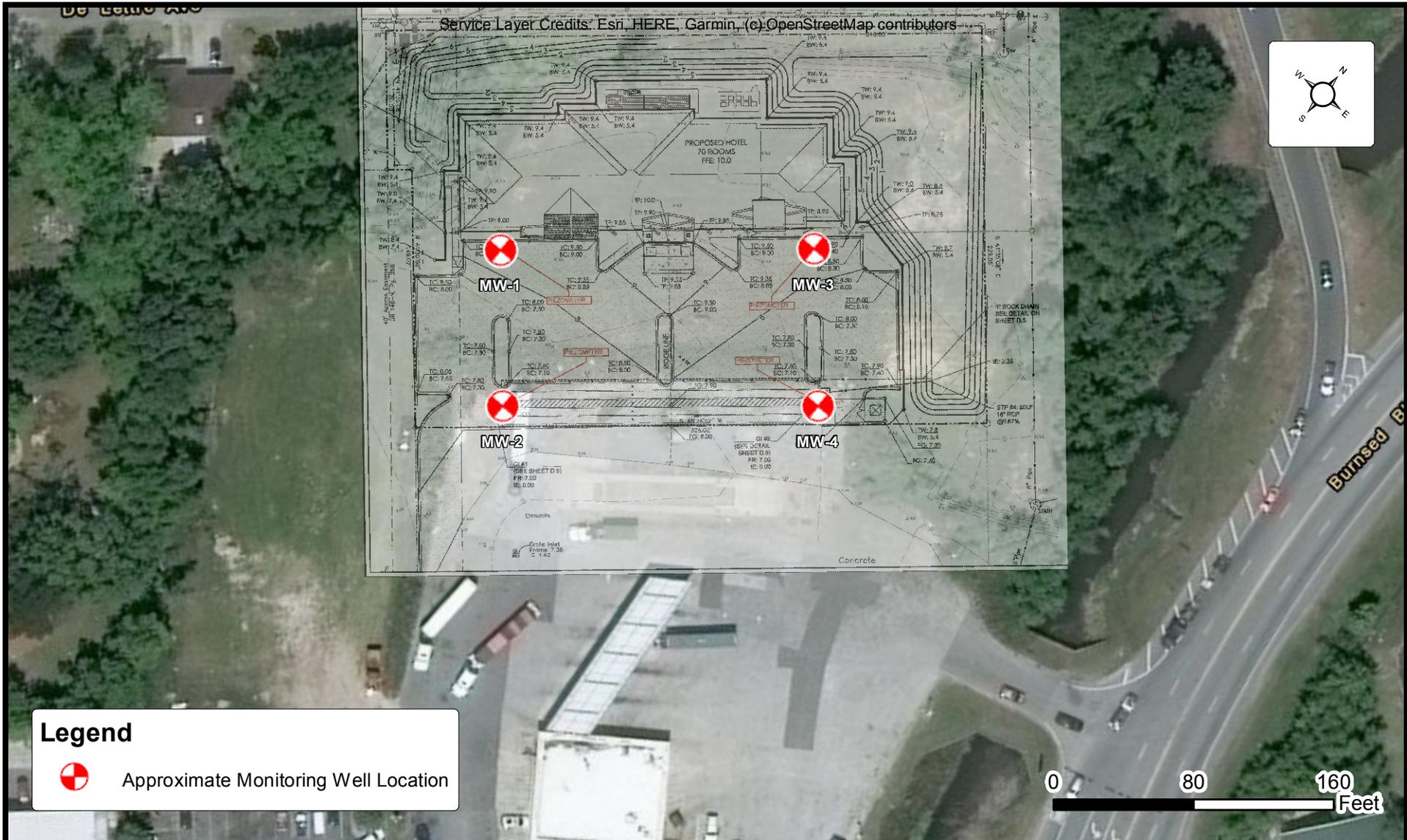
The piezometers were installed in general accordance with ASTM D-5092. ECS personnel recorded groundwater depths at each piezometer location for a total of approximately 3 weeks between 2/5/20 and 2/27/20. Additionally, groundwater depths were recorded within 24 hours following rain events over 0.5 inches.

2.2 OBSERVED GROUNDWATER DEPTHS

The following table provides the high and low water levels recorded at each of the four piezometer locations. A complete table of water level readings is included as an attachment to this report.

High/Low Water Level Readings

Piezometer	Water Readings (ft)	
	High	Low
MW-1	1.3	1.8
MW-2	1.5	2.3
MW-3	0.9	1.6
MW-4	1.2	2.1



Legend

 Approximate Monitoring Well Location



Groundwater Monitoring Well Location Diagram SLEEP INN - GARDEN CITY

2ND STREET, GARDEN CITY, GEORGIA
HOS MANAGEMENT AND DEVELOPMENT

ENGINEER JEP
SCALE 1" = 80'
PROJECT NO. 23:3174
SHEET 1 OF 1
DATE 3/3/2020

ECS Southeast, LLP
 1306 Heidt Ave., Suite A
 Savannah, GA 31408
 (912) 966-2527

PROJECT NAME: Sleep Inn Site
PROJECT #: 23:3174

GROUNDWATER DEPTH OBSERVATIONS

Date	Piezometer	Water Readings (ft)
2/5/2020	MW-1	1.7
	MW-2	2.3
	MW-3	1.6
	MW-4	2.1
2/7/2020 (post rain)	MW-1	1.4
	MW-2	2.0
	MW-3	1.1
	MW-4	1.4
2/12/2020	MW-1	1.3
	MW-2	1.9
	MW-3	1.4
	MW-4	1.6
2/14/2020 (post rain)	MW-1	1.3
	MW-2	1.8
	MW-3	1.2
	MW-4	1.5
2/17/2020 (post rain)	MW-1	1.7
	MW-2	1.7
	MW-3	1.2
	MW-4	1.2
2/21/2020	MW-1	1.8
	MW-2	2.1
	MW-3	1.4
	MW-4	1.8
2/27/2020	MW-1	1.3
	MW-2	1.5
	MW-3	0.9
	MW-4	1.3