

PROOFROLLING OBSERVATION REPORT

Report Number: 70211165.0001A
Service Date: 09/09/21
Report Date: 09/16/21
Task: Soils-Utility Backfill Observations-Testing

Terracon

2401 Brentwood Rd Ste 107
Raleigh, NC 27604-3686
919-873-2211 Reg No: F-0869

Client

SFLA Architects
Attn: Jaclin Wawak
333 Fayetteville St Ste 225
Raleigh, NC 27601-2932

Project

Johnsonville ES Phase 1
18495 NC Highway 27 West
Cameron, NC

Project Number: 70211165

Service Requested By: Scott Dawson with Engineered Construction Company

Earthwork Contractor: East Coast Civil

Observed Location(s): Building Pad (see attached plan markup)

Equipment Used: The above-referenced area was proofrolled with a fully-loaded quad-axle dump truck. The equipment made several passes in a parallel pattern.

Subgrade Description: The subgrade was reviewed and consisted of light brown silty sand.

Elevation: Based on the grade stakes the subgrade ranged from 3 to 5 feet below design final soil subgrade elevation.

Summary: Based on our observations, the subgrade soils appeared firm and stable during the application of compactive efforts except in two isolated locations. Terracon recommends undercutting two isolated locations 4 inches and backfilling with suitable material. Please see below for quantification of undercut recommended. Recommendations were reported to Mike Johnson with East Coast Civil at the completion of today's activities.

Area #1: 20' (length) x 15' (width) x 4" (depth) = $100 \text{ ft}^3 / 27 = 3.7 \text{ yd}^3$

Area #2: 15' (length) x 9' (width) x 4" (depth) = $45 \text{ ft}^3 / 27 = 1.7 \text{ yd}^3$

Total Area: 5.4 yd³

Terracon is providing undercut quantities for informational use only. We cannot authorize additional cost. Any additional cost due to undercutting should be authorized by the owners prior to undercutting.

Services: Visual subgrade evaluations by proofrolling with a rubber-tired vehicle.

Terracon Rep.: Alex Bullard

Reported To:

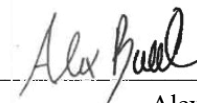
Contractor:

Report Distribution:

(1) SFLA Architects, Jaclin Wawak

Reviewed By:

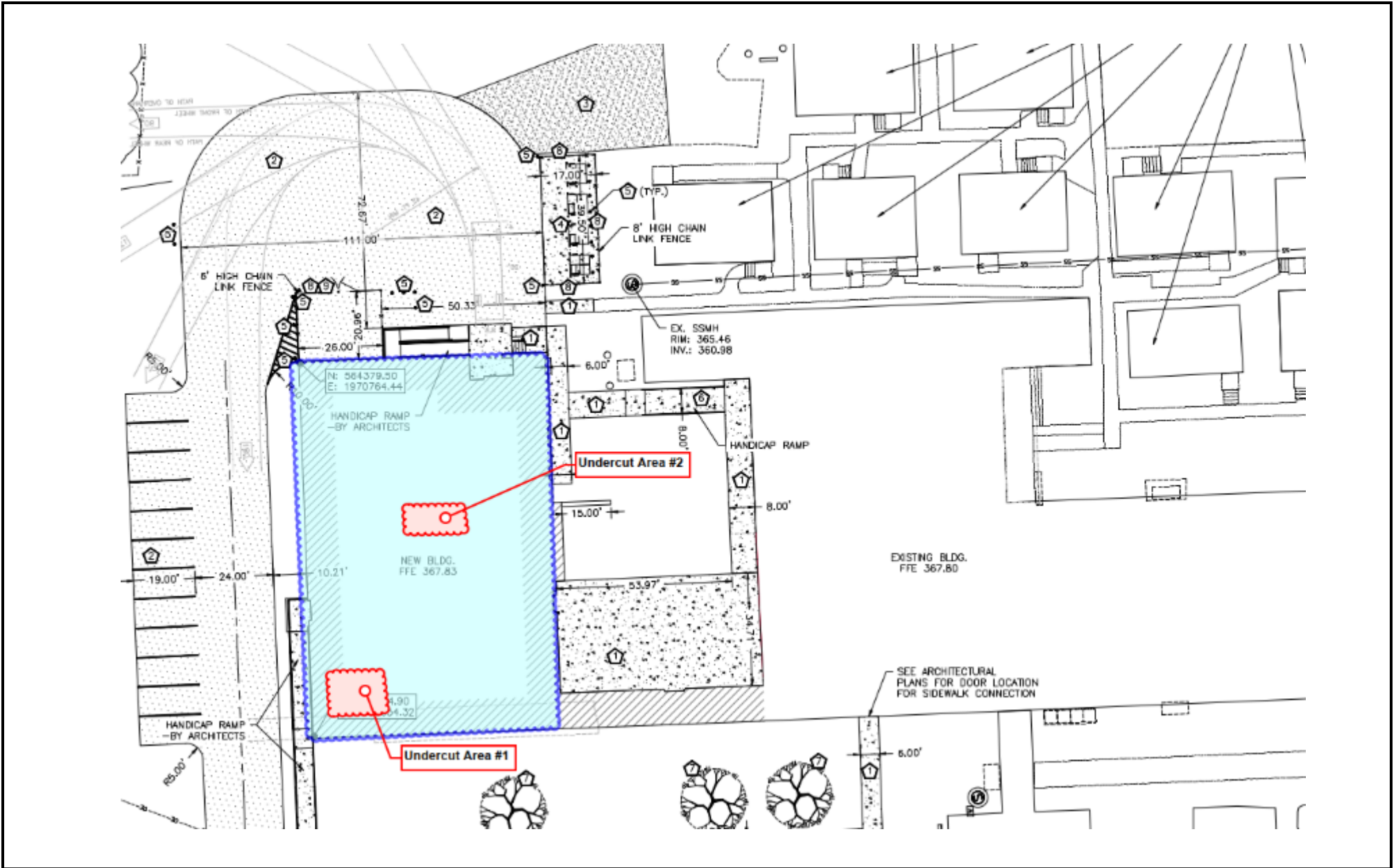
rvw2: nas




Alex Bullard


Assistant Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.



Johnsonville ES Phase 1	Site Plan: Undercut Locations	
	Report Number: 70211165.0001A	
18495 NC Highway 27 West	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Cameron, NC	Date: 09/09/21	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869



Johnsonville ES Phase 1	Site Plan: Observed Location	
	Report Number: 70211165.0001A	
18495 NC Highway 27 West	Technician: Alex Bullard	2401 Brentwood Rd Ste 107
Cameron, NC	Date: 09/09/21	Raleigh, NC 27604-3686
	Scale: Not to Scale	919-873-2211 Reg No: F-0869