

NRR-DMPSPEm Resource

From: Bentley, Donald E <DBENTLE@entergy.com>
Sent: Thursday, November 30, 2017 6:10 PM
To: Sebrosky, Joseph
Subject: [External_Sender] Palisades Nuclear Plant FHRR Staff Assessment Input
Attachments: Attachment A Figure 14-WaterElev-Powerblock.pdf; Attachment A Figure 13-FlowDepth-Powerblock.pdf; Attachment A Figure 5-Critical Locations Figure (3).pdf

Joe,

Palisades Nuclear Plant Flood Hazard Reevaluation Report (FHRR) Audit Report ML16174A248 Information Need 2 in Table 1 addressed FHRR Figure 3-1 and Figures 5, 13, and 14 in Calculation No. 32-9226944-002 "Palisades Nuclear Plant Flooding Hazard Re-evaluation – Local Intense Precipitation". During the audit, modified Figures 5, 13, and 14 from Calculation No. 32-9226944-002 were made available to the staff for review.

Post Audit Action for Information Need 2 stated that the licensee modified figures provided that shows all the structures listed in Table 3-1 with their names, and representative grid elements for critical locations and their identification numbers, and requested that these figures be submitted on the docket.

As requested, attached to this email are the figures made available during the Audit:

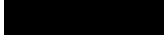
Attachment A Figure 5-Critical Locations Figure (3)

Attachment A Figure 13-FlowDepth-Powerblock

Attachment A Figure 14-WaterElev-Powerblock

Donald Bentley, PE
Entergy Flooding Fleet Lead-Fukushima Project

 (office)

 (mobile)

dbentle@entergy.com

1448 SR 333

Russellville, AR 72802

Hearing Identifier: NRR_DMPS
Email Number: 22

Mail Envelope Properties (SN1PR09MB08618E46DD5683F525E50D1BB3380)

Subject: [External_Sender] Palisades Nuclear Plant FHRR Staff Assessment Input
Sent Date: 11/30/2017 6:10:00 PM
Received Date: 11/30/2017 6:10:46 PM
From: Bentley, Donald E

Created By: DBENTLE@entergy.com

Recipients:
"Sebrosky, Joseph" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None

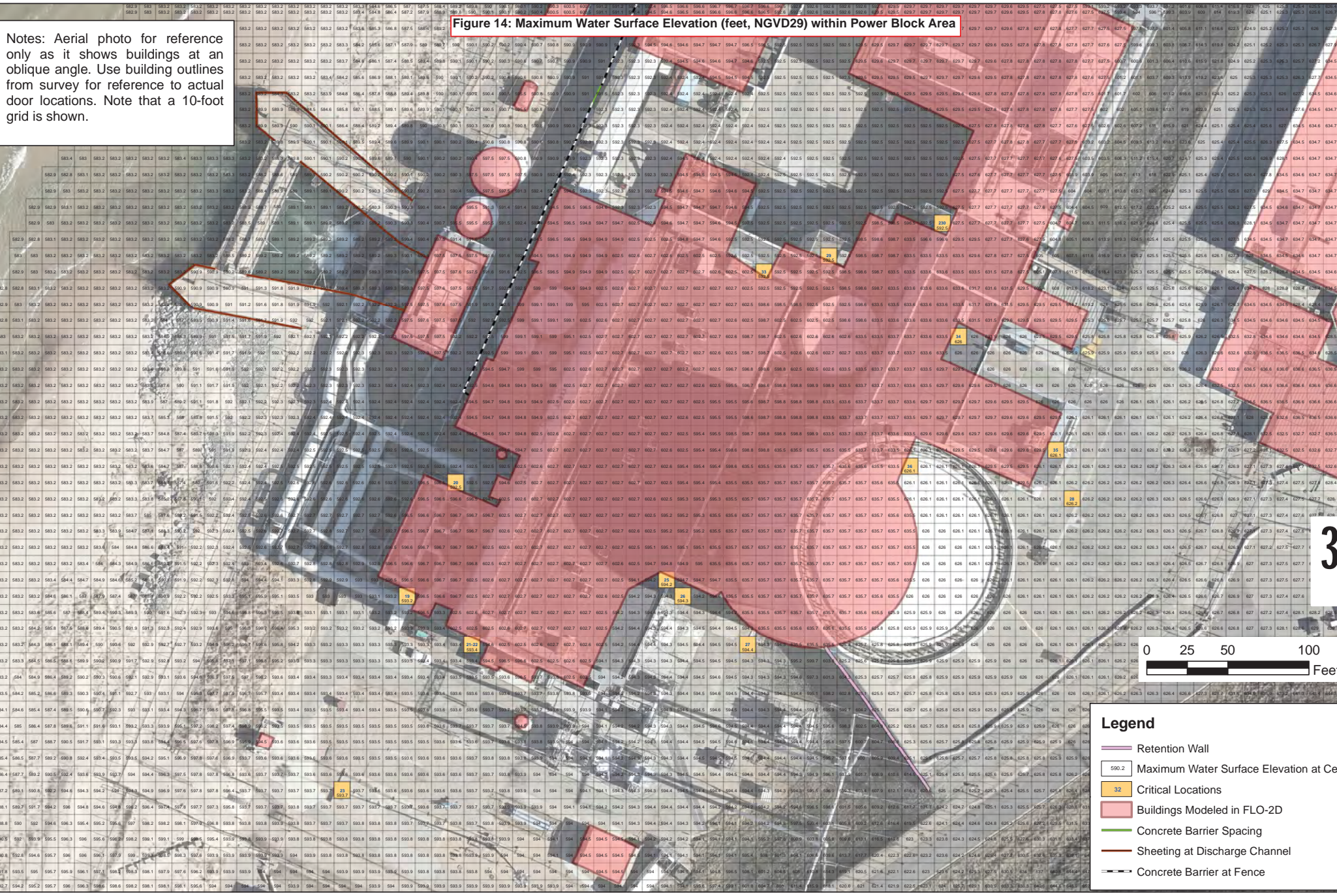
Post Office: SN1PR09MB0861.namprd09.prod.outlook.com

Files	Size	Date & Time
MESSAGE	1201	11/30/2017 6:10:46 PM
Attachment A Figure 14-WaterElev-Powerblock.pdf	4521299	
Attachment A Figure 13-FlowDepth-Powerblock.pdf	4519322	
Attachment A Figure 5-Critical Locations Figure (3).pdf	4598802	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Notes: Aerial photo for reference only as it shows buildings at an oblique angle. Use building outlines from survey for reference to actual door locations. Note that a 10-foot grid is shown.

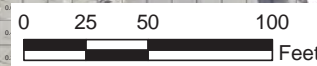
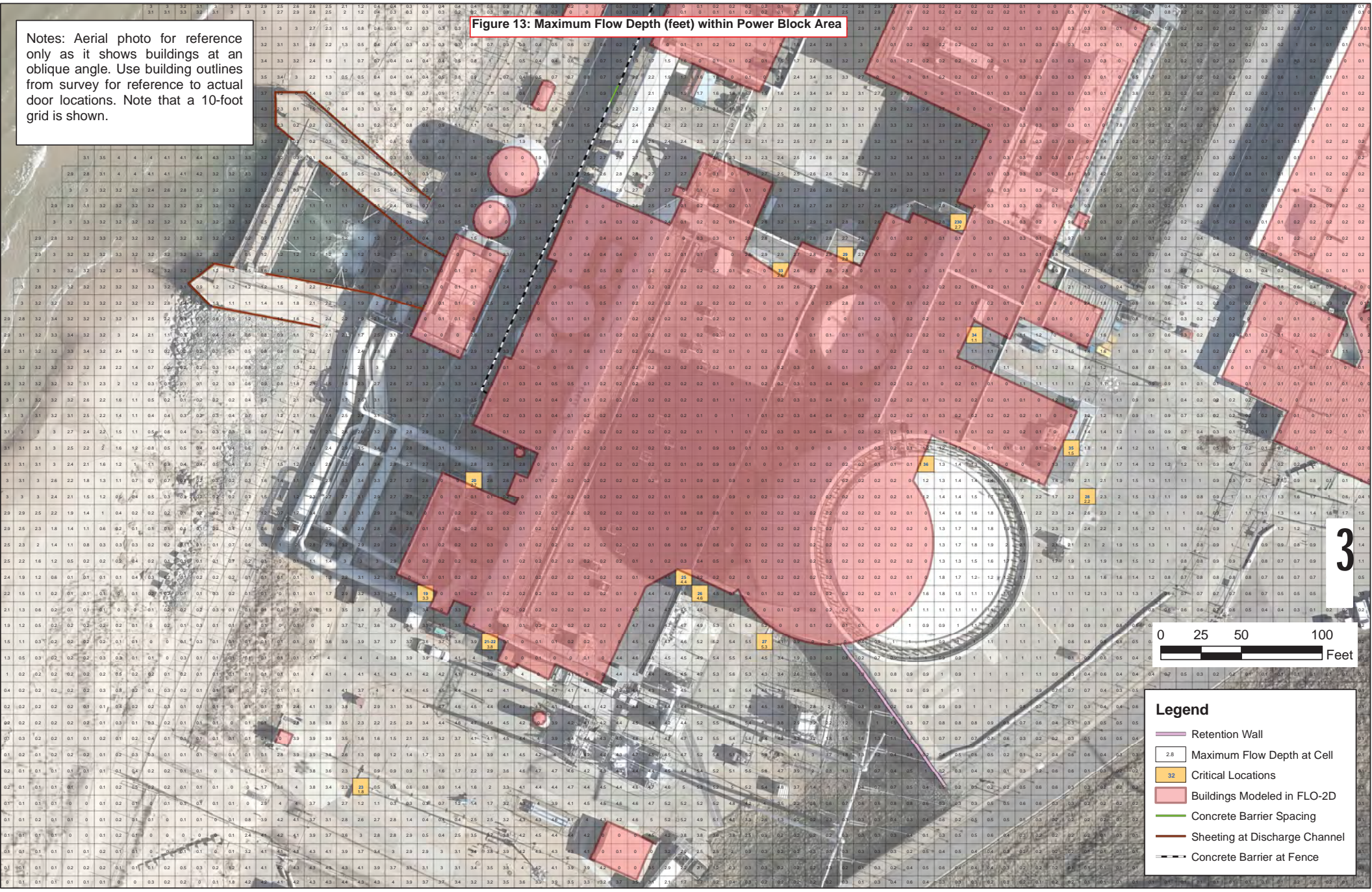
Figure 14: Maximum Water Surface Elevation (feet, NGVD29) within Power Block Area



- Legend**
- Retention Wall
 - Buildings Modeled in FLO-2D
 - Concrete Barrier Spacing
 - Sheeting at Discharge Channel
 - Concrete Barrier at Fence
 - Critical Locations
 - Maximum Water Surface Elevation at Cell

Notes: Aerial photo for reference only as it shows buildings at an oblique angle. Use building outlines for reference to actual door locations. Note that a 10-foot grid is shown.

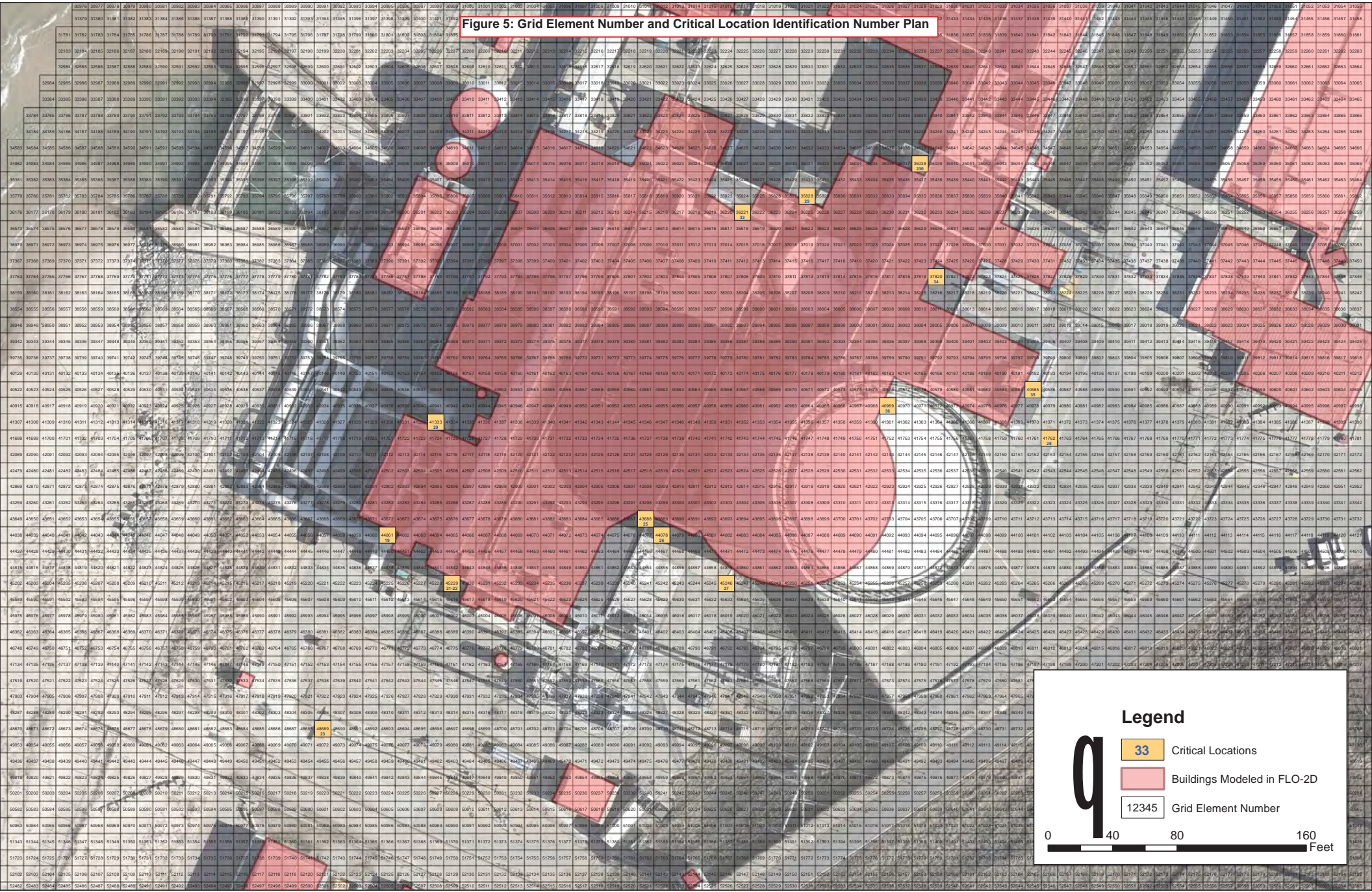
Figure 13: Maximum Flow Depth (feet) within Power Block Area



- Legend**
- Retention Wall
 - 2.8 Maximum Flow Depth at Cell
 - Critical Locations
 - Buildings Modeled in FLO-2D
 - Concrete Barrier Spacing
 - Sheetting at Discharge Channel
 - Concrete Barrier at Fence

3

Figure 5: Grid Element Number and Critical Location Identification Number Plan



Legend

- 33 Critical Locations
- Buildings Modeled in FLO-2D
- 12345 Grid Element Number

0 40 80 160 Feet