

PMSummerColpEM Resource

From: RICE, APRIL R [ARICE@scana.com]
Sent: Wednesday, March 31, 2010 11:35 AM
To: Joshi, Ravindra; Sebrosky, Joseph
Cc: RICE, APRIL R
Subject: FW: VC Summer Unit 2 Necessary Excavation Sketch
Attachments: image001.gif; VS2-1000-XE-001.pdf

Our engineer worked with SHAW to refine the sketch a little further. This might be useful in your review of the issue. Please call me if you have any questions.

April Rice
803-345-4232

Hearing Identifier: VCSummer_COL_Public
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Subject: FW: VC Summer Unit 2 Necessary Excavation Sketch
Sent Date: 3/31/2010 11:34:46 AM
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From: RICE, APRIL R

Created By: ARICE@scana.com

Recipients:

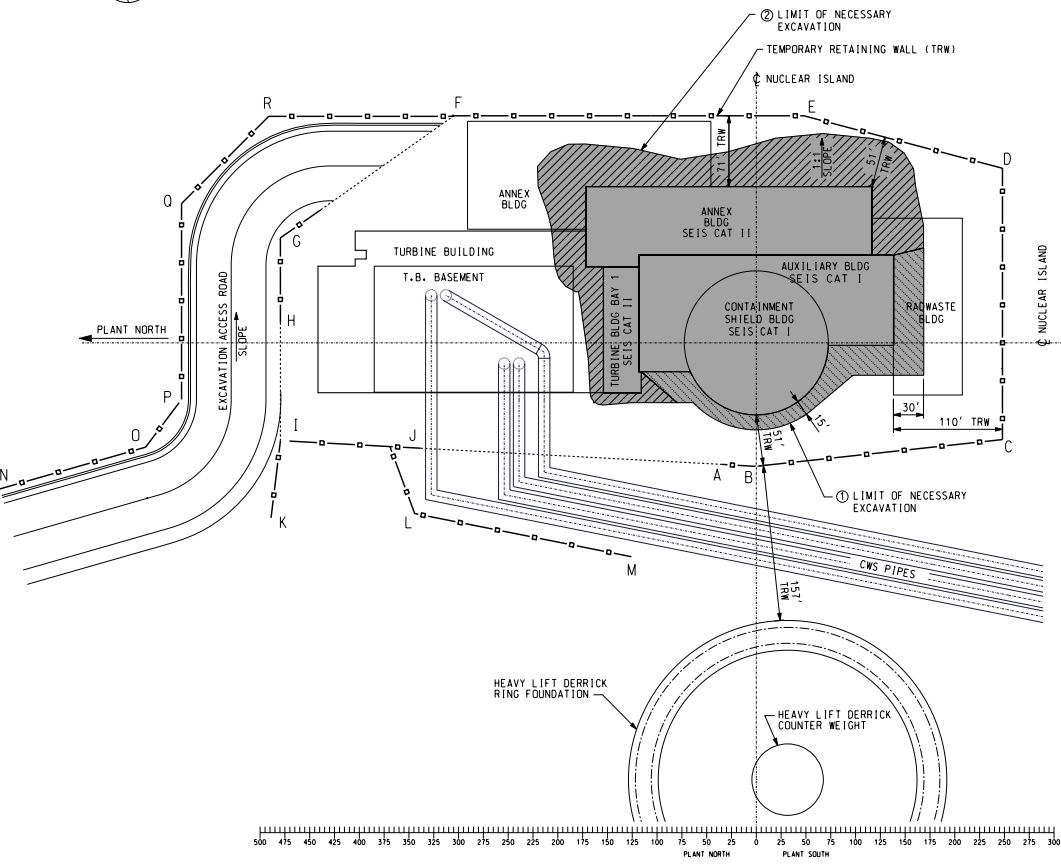
"RICE, APRIL R" <ARICE@scana.com>
Tracking Status: None
"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>
Tracking Status: None
"Sebrosky, Joseph" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None

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MESSAGE	206	3/31/2010 11:34:53 AM
image001.gif	1154	
VS2-1000-XE-001.pdf	186589	

Options

Priority: Standard
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NOTES:

THE "NECESSARY EXCAVATION" IS DEFINED AS THE AREA ENVELOPING THOSE STRUCTURES THAT FALL WITHIN THE DEFINITION OF CONSTRUCTION, BY THE GREATER OF EITHER:

- ① THAT NEEDED FOR CONSTRUCTION ACCESS, VARYING FROM 10'-30' FROM THOSE STRUCTURES WITHIN THE DEFINITION OF CONSTRUCTION, DEPENDING ON FOUNDATION TYPE (CONCRETE ON ROCK OR ENGINEERED BACKFILL)
- ② THE APPROXIMATE TOE OF SLOPE OF LOADING INFLUENCE FOR EACH SUCH STRUCTURE WHERE IT INTERSECTS THE UNDERLYING ROCK (BOTTOM OF EXCAVATION), USING A CONSERVATIVE SLOPE OF 1:1.

LEGEND

- NECESSARY EXCAVATION
- NECESSARY EXCAVATION TO ENVELOPE ZONE OF LOADING INFLUENCE FOR SEIS CAT II STRUCTURES ON ENGINEERED BACKFILL OVER ROCK
- NECESSARY EXCAVATION FOR CONSTRUCTION ACCESS FOR NUCLEAR ISLAND (CONTAINMENT SHIELD AND AUXILIARY BLDG)
- TEMPORARY RETAINING WALL
- POWER BLOCK LIMIT OF EXCAVATION
- IDENTIFIER REFERENCE POINTS

DRAFT

**VC SUMMER - UNIT 2
NECESSARY EXCAVATION SKETCH**
MARCH 31, 2010