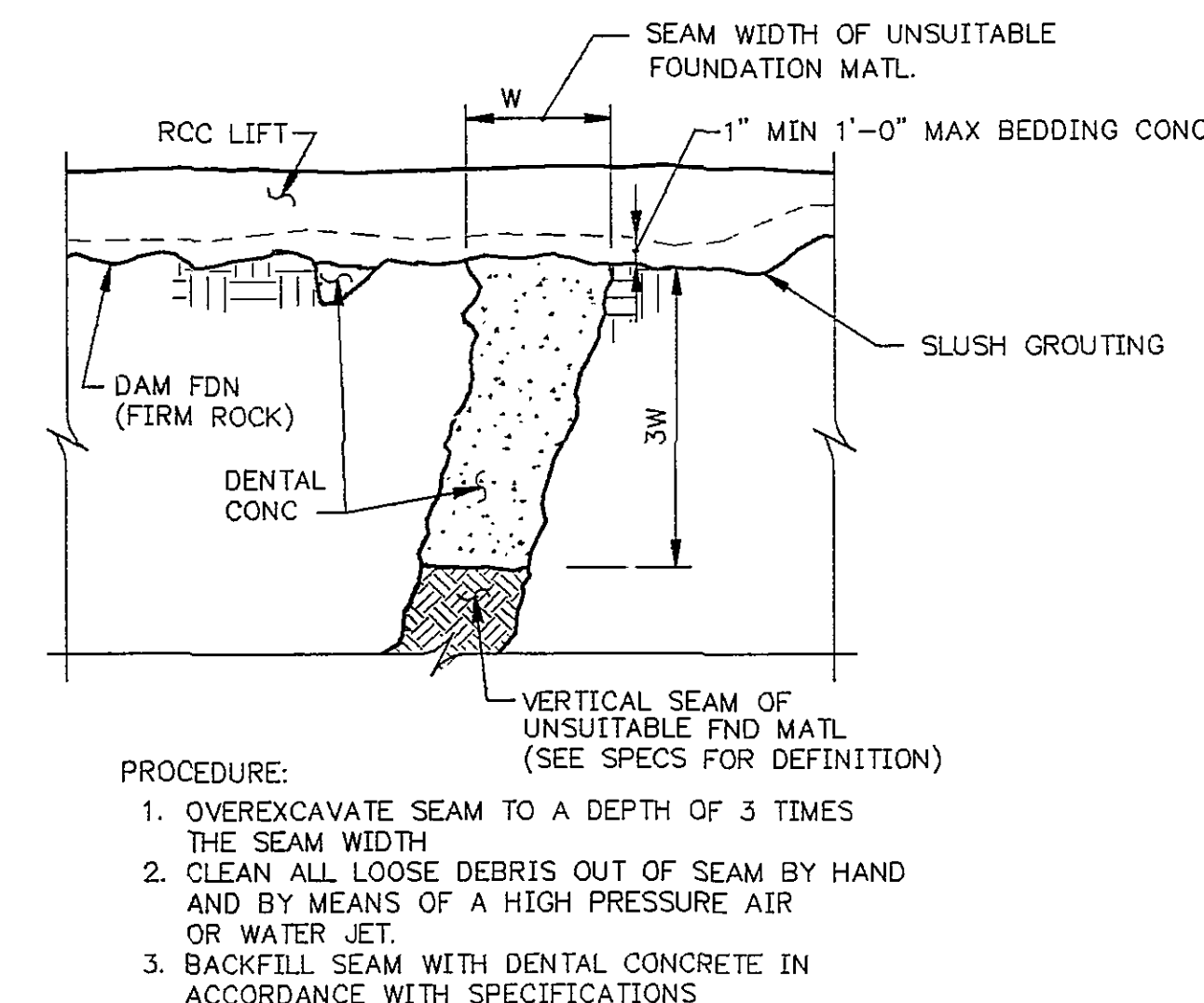


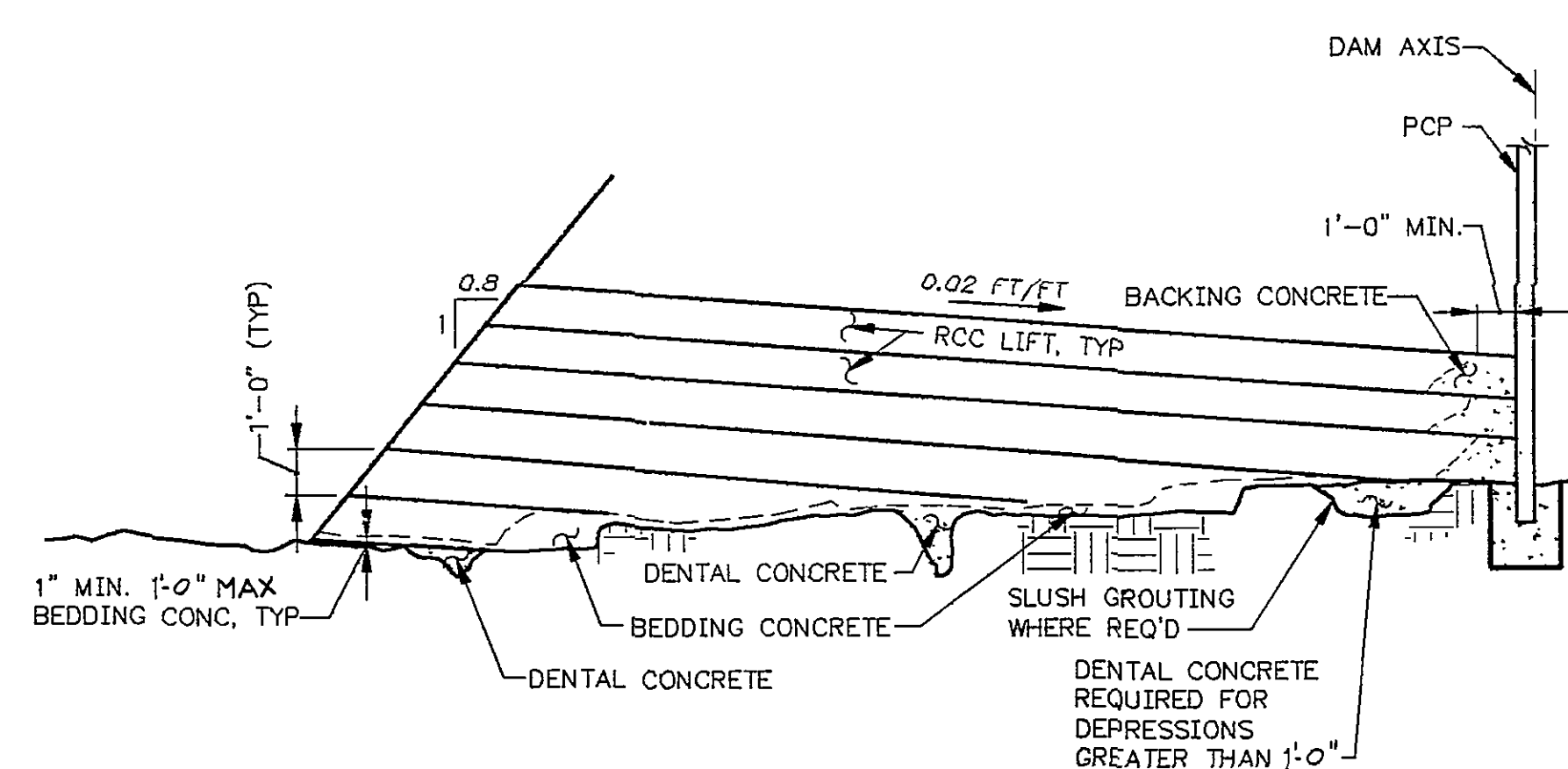
TYPICAL FOUNDATION TREATMENT DETAILS
NO SCALE



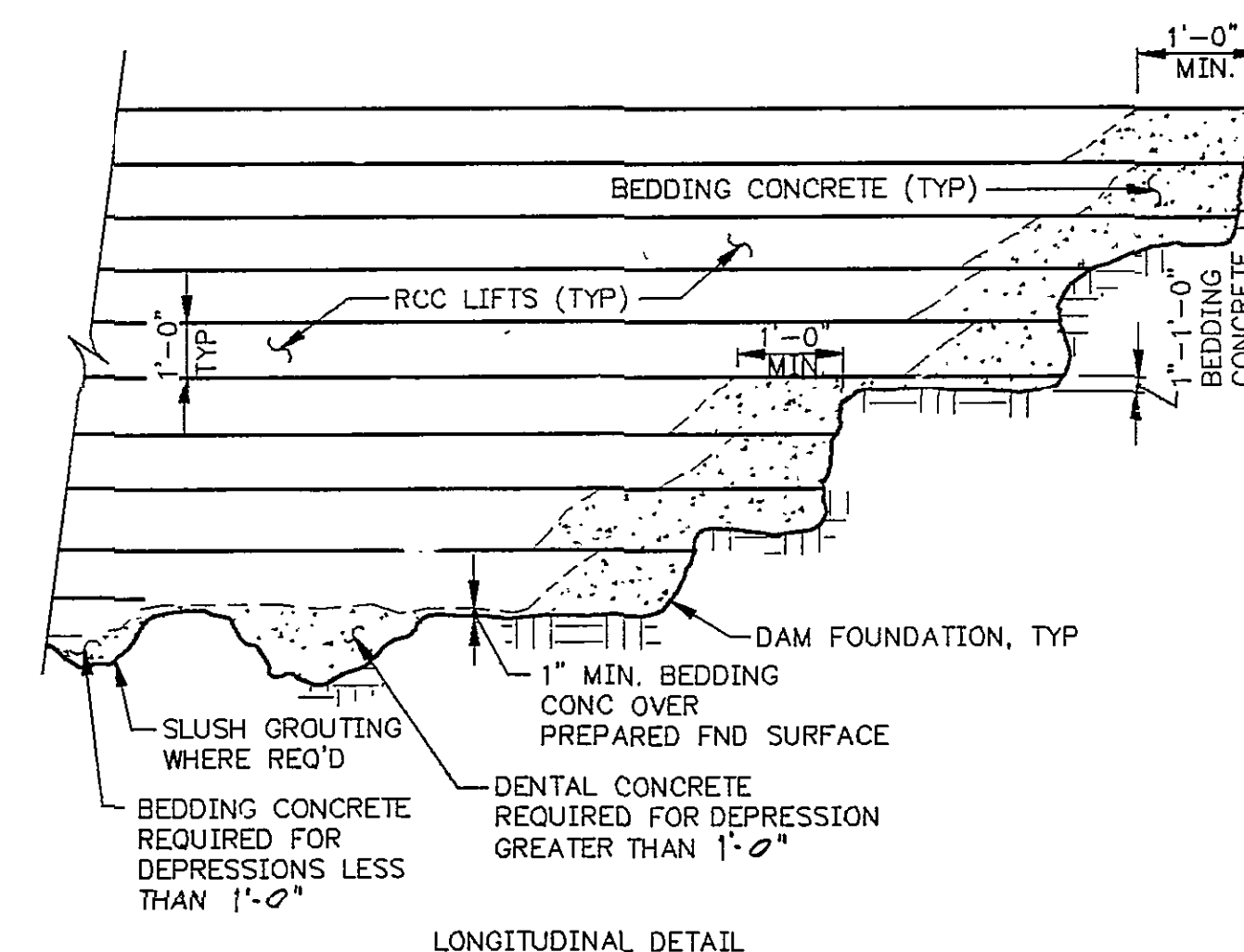
UNSUITABLE FOUNDATION SEAM TREATMENT
NO SCALE

FOUNDATION TREATMENT NOTES

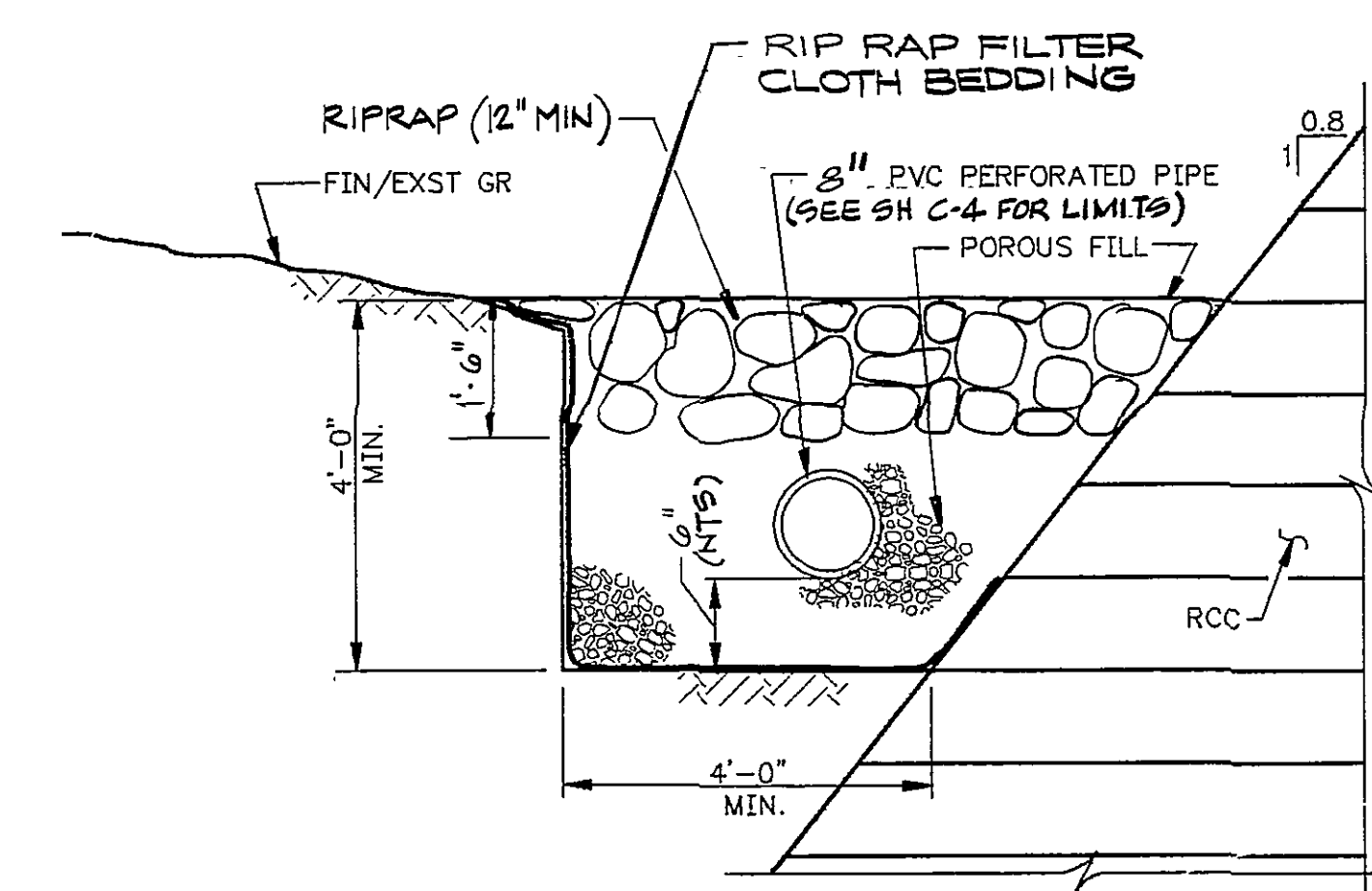
1. DAM FOUNDATION SURFACE SHALL BE FIRM ROCK SURFACE AS DEFINED BY SPECIFICATIONS AND WILL REQUIRE LIGHT BLASTING, THOROUGH CLEANING, DENTAL CONCRETE, SLUSH GROUTING, AND BEDDING CONCRETE TO ACHIEVE A SURFACE SUITABLE FOR ROLLER COMPACTED CONCRETE PLACEMENT. ALL BLASTING IN DAM FOUNDATION AREA SHALL BE COMPLETED BEFORE ANY GROUTING IS STARTED.
 2. FOUNDATION TREATMENT METHODS SHALL BE IN GENERAL ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS SHOWN. CONTRACTOR MAY SUBMIT ALTERNATE METHODS FOR APPROVAL BY ENGINEER.
 3. SEQUENCE FOR FOUNDATION WORK SHALL BE AS FOLLOWS:
 1. EXCAVATION TO SUITABLE FOUNDATION MATERIAL.
 2. CONTROLLED BLASTING AS REQ'D FOR ROCK OUTCROPPING, WITHDRAWAL TOWER EXCAVATION, GALLERY, CONDUIT & KEY TRENCH EXCAVATION.
 3. OVEREXCAVATION FOR UNSUITABLE FOUNDATION SEAMS.
 4. DAM FOUNDATION GROUTING.
 5. FOUNDATION CLEANING.
 6. PLACEMENT OF DENTAL CONCRETE IN ALL VOIDS OVER 6" DEEP.
 7. SLUSH GROUT WHERE REQUIRED.
 8. PLACE BEDDING CONCRETE IN CONJUNCTION WITH RCC.
- NO EXCEPTIONS TO THIS SEQUENCE WILL BE ALLOWED WITHOUT APPROVAL OF ENGR EXCEPT AS NOTED BELOW:
- ITEMS 1,2,3 CAN BE IN OPERATION CONCURRENTLY
 - ITEMS 4,5 CAN BE IN OPERATION CONCURRENTLY
 - ITEMS 7,8 CAN BE IN OPERATION CONCURRENTLY
 - ITEM 6 CAN BE CONCURRENT WITH ITEMS 4 AND 5 PROVIDED PLACEMENT OF DENTAL CONCRETE IS OUTSIDE AREA OF INFLUENCE OF ADJACENT ACTIVITIES AS APPROVED BY THE ENGINEER.



TYPICAL CONCRETE PLACEMENT IN VALLEY BOTTOM
NO SCALE

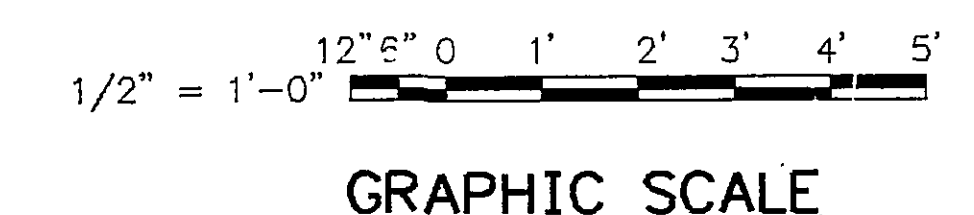


TYPICAL CONCRETE PLACEMENT AT ABUTMENT INTERFACE
NO SCALE

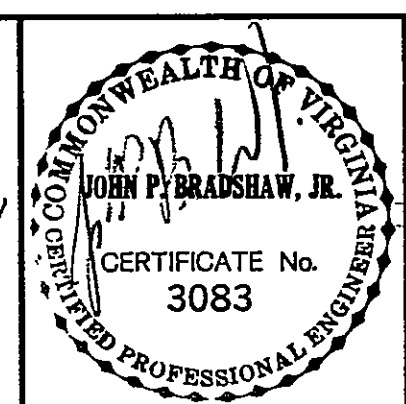


TYPICAL TOE DRAIN DETAIL
SCALE: 1/2" = 1'-0"

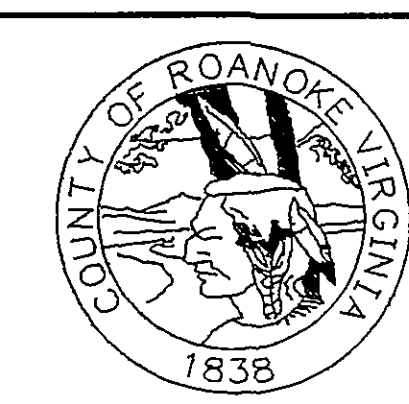
RECORD DRAWINGS
THESE DRAWINGS RECORDED ON THE BASIS OF INFORMATION FURNISHED BY THE CONTRACTOR OR SPECIFICALLY KNOWN TO HSM. NO OTHER REPRESENTATIONS ARE MADE OR IMPLIED
Date: 6-5-95



DESIGNED: LD, RWF, CT DATE: 4/26/91
DRAWN: DAS DATE: 4/26/91
CHECKED: HWP DATE: 4/26/91
APPROVED: [Signature] DATE: 4/26/91
ISSUED: JPB DATE: 6/21/91



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
5-15-94	BA	PER CONTR RECORD DWG.			
6-5-95	JPB	ISSUED TO VA DAM SAFETY			
6-31-97	RWF	RECORD DRAWING			



SPRING HOLLOW RESERVOIR
ROANOKE COUNTY, VIRGINIA
HAYES, SEAY, MATTERN & MATTERN, INC.
ARCHITECTS - ENGINEERS - PLANNERS
ROANOKE, VIRGINIA

STRUCTURAL DAM FOUNDATION TREATMENT DETAILS				
SCALE	DATE	COMM	SHEET	DWG
AS NOTED	8/4/91	4194E	S-3	32