

**CORRES CONTROL  
OUTGOING LTR #**

DOE ORDER # \_\_\_\_\_

**05-RF-00950**

DIST	LTR	ENC
ROCKETT, G		
FERRERA, D.W.	X	X
DILPIN, H.E.		
LONG, J.W.		
LINDSAY, D. C.		
SHELTON, D.C.		
TUOR, N.R.		
NYDER, D		
LAPPERT, R. D.		
SILLESPIE, D. R.		
NESTA, S.	X	X



October 12, 2005

05-RF-00950

Richard J. Schassburger, Director  
Headquarters Cadre Project Management  
DOE, RFPO

TRANSMITTAL OF RESPONSE TO COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) ADDITIONAL COMMENTS OF DECOMMISSIONING CLOSEOUT REPORT FOR THE 881 CLOSURE PROJECT – DWF-105-05

Enclosed are the responses to CDPHE additional comments on the Final Decommissioning Closeout Report for the 881 Closure Project. Also enclosed are five color copies of revised drawings to accompany copied reports.

Transmittal to the CDPHE and the Environmental Protection Agency, in accordance with the Rocky Flats Clean-Up Agreement, is requested. Also, please submit a color copy of the enclosed drawing.

If you have any questions, please contact Steve Nesta at extension 6386.

CORRES CONTROL	X	X
ATS		
DMN. RECORD	X	X
MASTE REC CTR		
RAFFIC		

*Dennis W. Ferrera*

CLASSIFICATION: Dennis W. Ferrera  
 Vice President and Project Manager  
 Remediation, Industrial D&D, and Site Services

AUTHORIZED CLASSIFIER SIGNATURE: SMN:rlm

Enclosure: As Stated

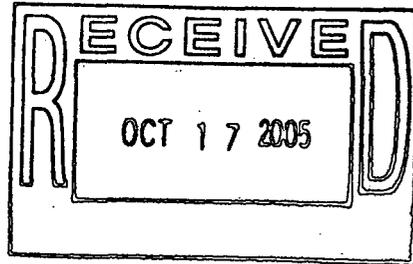
Original and 1 cc – Richard J. Schassburger

ACTION ITEM STATUS:  
 PARTIAL/OPEN  
 CLOSED  
 cc: John Rampe

LTR APPROVALS:  
 (ast Name) \_\_\_\_\_  
 (ast Name) \_\_\_\_\_

ORIG. & TYPIST INITIALS:  
 SMN:rlm

Letter # DWF-105-05



ADMIN RECORD

Kaiser-Hill Company, L.L.C.  
 Rocky Flats Environmental Technology Site, 10808 Highway 93, Unit B, T130F, Golden, CO 80403-8200 ♦ (303) 966-6386

1/12

SUMMARY OF ADDITIONAL B881 CLOSEOUT REPORT RESPONSE TO COMMENTS TO CDPHE

- 1) The figure provided in response to initial comment #3 does not adequately identify the remaining structures. It is stated in response to comment 2 that B830 slab remains, yet this is shown on the figure to have been removed. B887 walls remain, but this is not identified on the figure. All of the below grade infrastructure, including the stack foundation and air chase/tunnel below 4 feet remain for S1 and S3, but are not shown on this figure. Also, the very large air chase/tunnel associated with S1 was not filled and remains a void, blocked by a cinder block wall. It is also my recollection that there were other void areas associated with former air chases/tunnels that were not filled, and remain (next to but west of S1). All of this needs to be properly discussed and shown.

**RESPONSE:**

The Building 830 slab was removed. The text is changed to state that the slab was removed by hammering it in order to meet the method specification for backfill of the area.

The drawing has been modified to note the remaining foundation walls at B887.

Engineering drawings of the first, second and basement floor plans are provided indicating how void areas were left during demolition of B881. An engineering analysis was conducted on five areas to determine whether they could be left with no fill. These five areas are described below as they currently are (post demolition), and identified on the attached drawings.

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- Second floor vaults were left in place. The entrance to the vaults was blocked with cinder block inside the building.
- The tunnel from B881 to B883 was blocked at both ends with cinder block and left in place.

Stack S3 was demolished and removed to three feet below grade and the remaining infrastructure was backfilled.

- 2) The figure provided shows that the NPWL between B881 and VV1 has been removed, yet the ER NPWL Closeout Report shows that this segment remains. Please correct and discuss.

**RESPONSE:**

The line between VV1 and 881 is removed. The ER NPWL Closeout Report will be updated and resent.

SUMMARY OF ADDITIONAL B881 CLOSEOUT REPORT RESPONSE TO COMMENTS TO CDPHE

- 3) The Figure provided shows that all of the OPWL was removed. However, there remains a section of OPWL that was not removed in the outer wall of B881 room 11. This segment was grout filled. Please include in the discussion. And show on the figure.

**RESPONSE:**

As identified, there is one segment of NPWL (versus OPWL) that was left during demolition in the south side of B881 running to B887. The line was fully grouted and only traverses the width of the wall from inside the facility to the outside. The updated drawing identifies this point.

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# Remaining UG Utilities for Building 881 Cluster

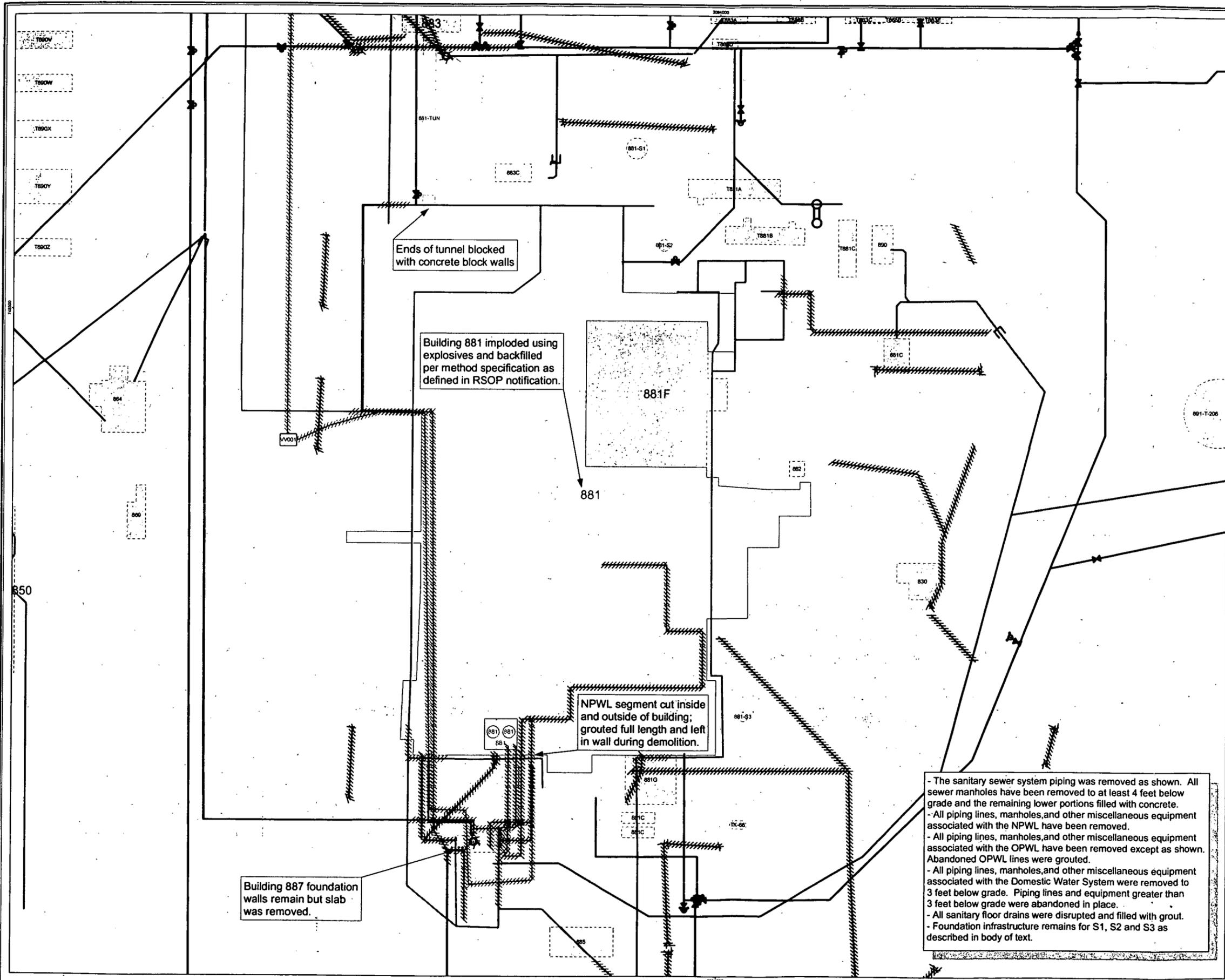
## EXPLANATION

- Foundation Drain
- Sewer
- Domestic Cold Water
- Culverts & Storm Drains
- OPWL
- NPWL

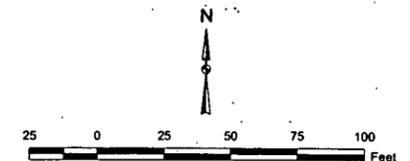
NOTE: Hatched symbols represent removed features.\* Color indicates utility type.

## Standard Map Features

- Remaining Structure
- Removed Structure



- The sanitary sewer system piping was removed as shown. All sewer manholes have been removed to at least 4 feet below grade and the remaining lower portions filled with concrete.  
 - All piping lines, manholes, and other miscellaneous equipment associated with the NPWL have been removed.  
 - All piping lines, manholes, and other miscellaneous equipment associated with the OPWL have been removed except as shown. Abandoned OPWL lines were grouted.  
 - All piping lines, manholes, and other miscellaneous equipment associated with the Domestic Water System were removed to 3 feet below grade. Piping lines and equipment greater than 3 feet below grade were abandoned in place.  
 - All sanitary floor drains were disrupted and filled with grout.  
 - Foundation infrastructure remains for S1, S2 and S3 as described in body of text.



State Plane Coordinate Projection  
 Colorado Central Zone (3476)  
 Datum: NAD27

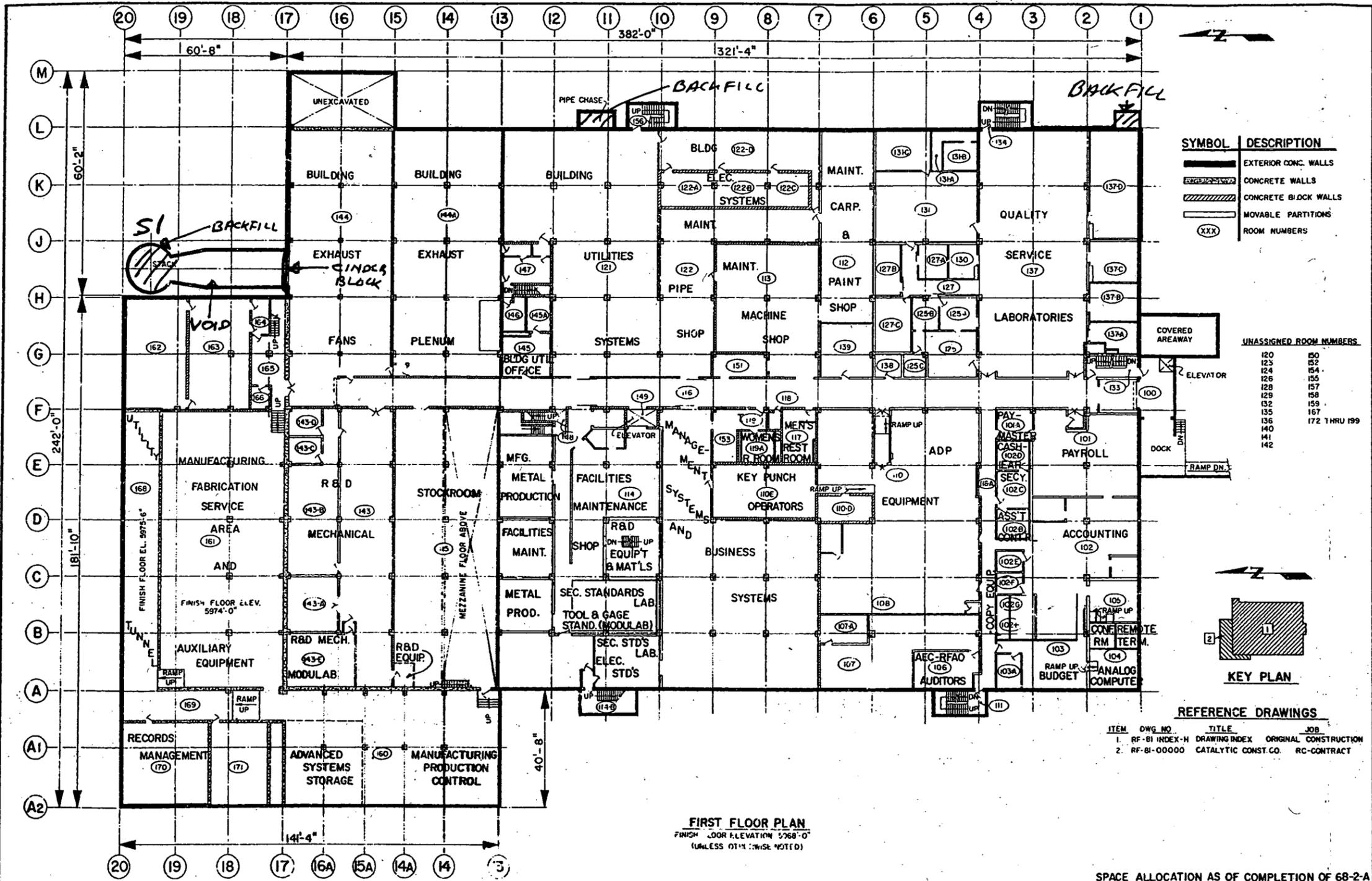
U.S. Department of Energy  
 Rocky Flats Environmental Technology Site

Prepared By:  
 CH2MHILL  
 GIS DEPT. (303) 966-7707

Prepared For:  
 KAISER HILL  
 COMPANY

DATE: 10/11/2005

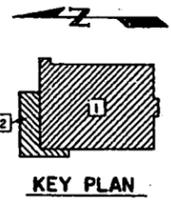
PATH: \\gisrv\GIS\Projects\200505-07\50881 Cluster.mxd



SYMBOL	DESCRIPTION
(Solid line)	EXTERIOR CONC. WALLS
(Dashed line)	CONCRETE WALLS
(Hatched pattern)	CONCRETE BLOCK WALLS
(Thin solid line)	MOVABLE PARTITIONS
(XXX)	ROOM NUMBERS

UNASSIGNED ROOM NUMBERS

120	150
123	152
124	154
126	155
128	157
129	158
132	159
135	167
136	172 THRU 199
140	
141	
142	



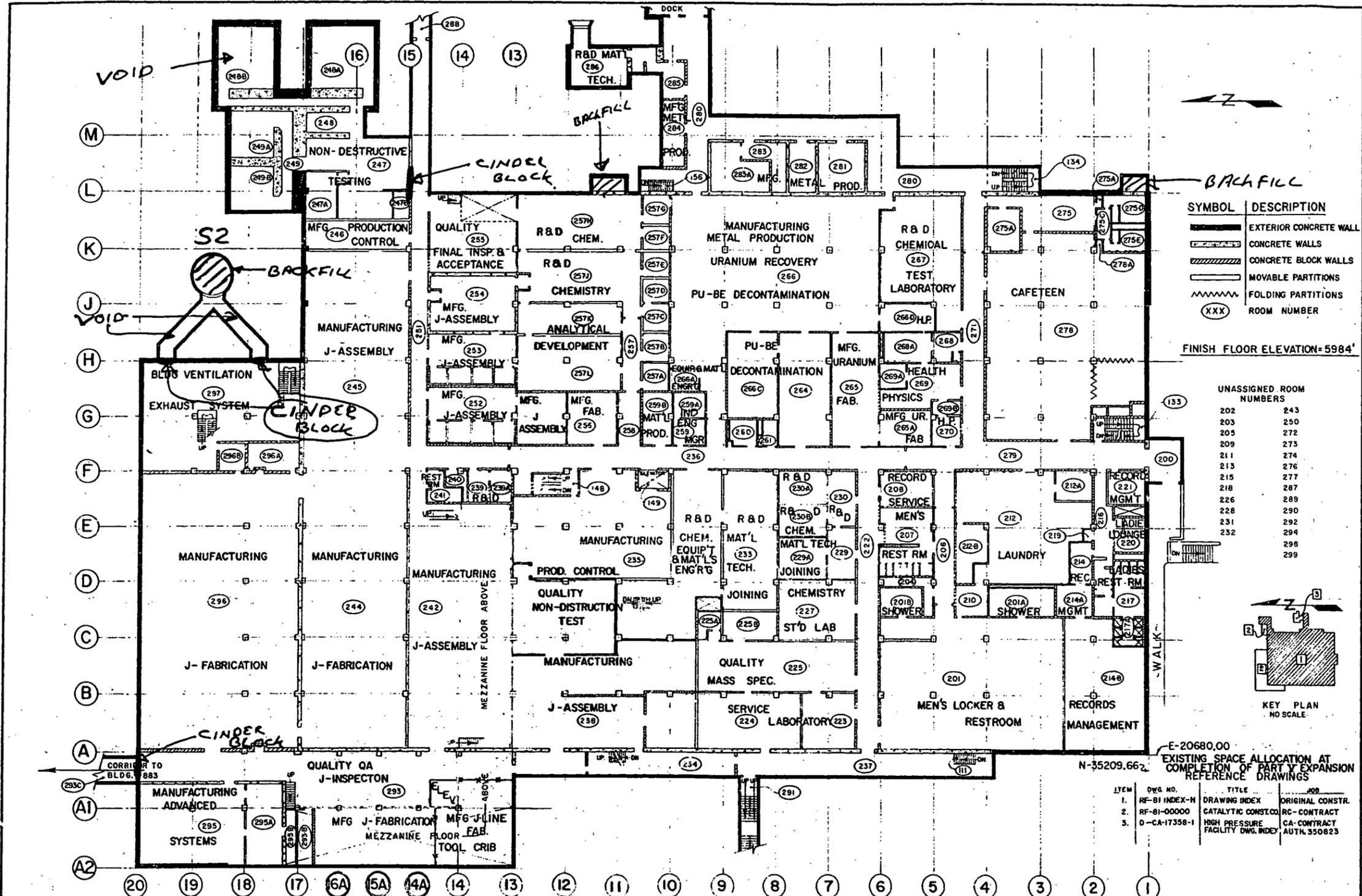
REFERENCE DRAWINGS

ITEM	DWG. NO.	TITLE	JOB
1.	RF-81 INDEX-H	DRAWING INDEX	ORIGINAL CONSTRUCTION
2.	RF-81-00000	CATALYTIC CONST. CO.	RC-CONTRACT

**FIRST FLOOR PLAN**  
 FINISH FLOOR ELEVATION 5968'-0"  
 (UNLESS OTHERWISE NOTED)

SPACE ALLOCATION AS OF COMPLETION OF 68-2-A

<b>REVISIONS</b> B REDRAWN & RENUMBERED 10-25-68 ACC BY [Signature]		WAC 10-68 O.C.C. 10-24-68	THE DOW CHEMICAL COMPANY 1100 CANTON ST., CANTON, OHIO 44705	BUILDING 881 FIRST FLOOR PLAN	SHEET NO. 18181-1
--	--	------------------------------	---	----------------------------------	-------------------

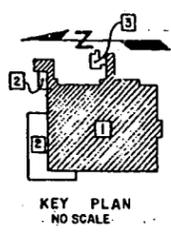


SYMBOL	DESCRIPTION
(Solid line)	EXTERIOR CONCRETE WALL
(Dashed line)	CONCRETE WALLS
(Hatched pattern)	CONCRETE BLOCK WALLS
(Dotted line)	MOVABLE PARTITIONS
(Wavy line)	FOLDING PARTITIONS
(XXX)	ROOM NUMBER

FINISH FLOOR ELEVATION=5984'

UNASSIGNED ROOM NUMBERS

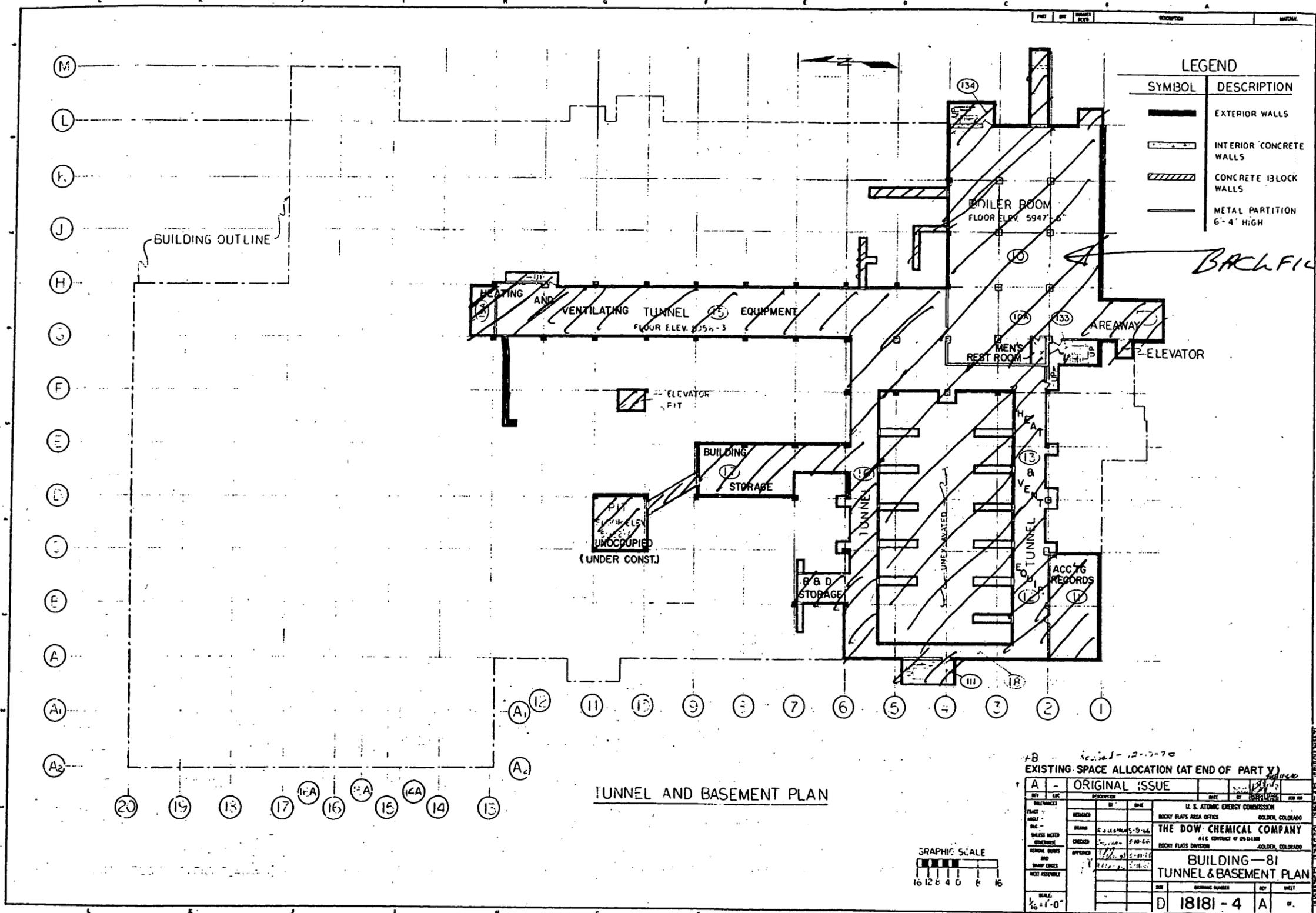
202	243
203	250
205	272
209	273
211	274
213	276
215	277
218	287
226	289
228	290
231	292
232	294
	298
	299



E-20680.00  
 N-35209.66  
 EXISTING SPACE ALLOCATION AT COMPLETION OF PART V EXPANSION  
 REFERENCE DRAWINGS

ITEM	DWG. NO.	TITLE	DATE
1.	RF-81 INDEX-H	DRAWING INDEX	ORIGINAL CONSTR.
2.	RF-81-00000	CATALYTIC CONST. CO.	RC-CONTRACT
3.	D-CA-17358-1	HIGH PRESSURE FACILITY DWG. INDEX	CA-CONTRACT AUTH. 350823

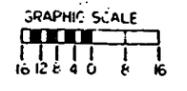
<b>C. Revised</b> D REDRAWN & CHANGED DWG. NO.		3-4-69		THE DOW CHEMICAL COMPANY ALL CONTRACTS ARE SUBJECT TO THE DOW CHEMICAL COMPANY GENERAL CONDITIONS OF CONTRACT	<b>BUILDING 881          SECOND FLOOR PLAN</b>	D 18181-2
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**LEGEND**

SYMBOL	DESCRIPTION
	EXTERIOR WALLS
	INTERIOR CONCRETE WALLS
	CONCRETE BLOCK WALLS
	METAL PARTITION 6'-4" HIGH

TUNNEL AND BASEMENT PLAN



18181-4-4

EXISTING SPACE ALLOCATION (AT END OF PART V)

REV	DATE	DESCRIPTION
A		ORIGINAL ISSUE

DESIGNED BY	DATE	U. S. ATOMIC ENERGY COMMISSION
CHECKED BY	DATE	ROCKY FLATS AREA OFFICE GOLDEN, COLORADO
APPROVED BY	DATE	THE DOW CHEMICAL COMPANY
		A.E.C. CONTRACT NO. 49-14-100
		ROCKY FLATS DIVISION GOLDEN, COLORADO

**BUILDING-81  
TUNNEL & BASEMENT PLAN**

SCALE	1/16" = 1'-0"
NO.	D 18181-4 A