Unclassified
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ANCHOR (A-1), SEE DWG. M5E-16409-F

TO CAFETERIA, FOR CONT. SEE DWG. M5E-16409-A

PASSAGE TO HOSPITAL INV. 365.0'

¾" HW
3" CW

SLEEVE THRU 8" BLOCK WALL (2-EACH)

4" TO STORM SEW. INV. EL. 375.5'

4" SUMP DISC. TO STORM SEW. INV. EL. 375.5'

1½" CW UP TO 1ST FLR. COMPUTER RM (EXISTING)

MECHANICAL EQUIP. ROOM (B1-A)

3" VENT UP THRU ROOF

12½"

¾" HW

TYPICAL S.S. ¾" H.&C.W. 37½" WASTE 37½" VENT

SEE DETAIL A B1-33M M5E-16409-E

1½" VENT INCREASE TO 3" THRU ROOF.

ELECTRICAL EQUIP. ROOM (B-18)

4" COND. (INV. EL. 375.5')

1½"

B.O.P. 372'-4½"

B.O.P. EL. 375'-3"

6" TO STORM SEW. INV. EL. 375.5'

HATCH

UNEXCAVATED

UNEXCAVATED

3"CW

FOR CONTIN. SEE SHT. # B1-33-M

4"x4"x2½" TEE

2½" CW

EXIST. 5" CONDUIT

5'-4" CW

1½" GATE VA. C10DNW-SAN.W-HOV-005

SEE VALVE SUPPORT DETAIL THIS SHEET

4'-0" BASMT. FLR.

FIRE HOSE CPLG.

DETAIL C B1-33M — N.T.S. — C10ZNE-SAN.W-HOV-015

4" CW
4"x4"x2½" TEE
2½" CW
SLEEVE THRU 8" BLOCK WALL
SEE VALVE SUPPORT DETAIL THIS SHT.
4" GATE VA.
FIRE HOSE CPLG.
BASMT. FLR.
4'-0"

DETAIL D B1-33-M — N.T.S. —

6" TO STORM SEW. INV. EL. 375.5'
4" COND. INV. EL. 377.0'
6"
INV. EL. 376.63'
1½" CW. UP TO 1ST FLR. C.O.
B1-33M M5E-16409-E
TUNNEL EL. 372.0'
15" ROLL OVER TOP OF EXISTING ANGLE BRACE

WEST WING
SCALE ⅛"=1'-0"

ANCHOR (A-1), SEE DWG. M5E-16409-F

TO HOSPITAL, FOR CONT. SEE DWG. M5E-16409-D

2½" INW
1¼" HWR
4" CW

PASSAGE TO HOSPITAL INV. 365.0'

SLEEVE THRU 8" BLOCK WALL (2-EACH)

4" TO STORM SEW. INV. EL. 375.5'

3" COND.

INV. EL. 376.75'

DUCT SPACE

3" VENT UP THRU ROOF

W.C.

C.W. 1¼" TO W.C.

F.D.

1½" CW & HW TO LAV

LAV.

1¼" CW

1½" HW

4" CW
1¼" HWR
2½" HW

TO 1ST FLR. RESTROOM SEE PLAN DETAIL "E" ON DWG. B1-37-M AND ISOMETRIC DETAIL B B1-33M M5E-16409-E

25 H.P. GASOLINE OR DIESEL ENGINE EMERGENCY BATTERY CHARGER IS IN THIS ROOM.

TELEPHONE EQUIP. ROOM (B-17)

6" TO STORM SEW. INV. EL. 375.5'

4" COND. INV. EL. 376.75'

3" VENT UP THRU ROOF

MECHANICAL EQUIP. ROOM (B16)

3" AT CEIL.

C10ZNE-SAN.W-HOV-016

2½"

¾" HW

3"

4" SUMP DISCHARGE TO STORM SEWER, INV. EL. 375.5'

ELECTRICAL EQUIP. ROOM (B-15)

SEE DETAIL THIS SHT.

HATCH

B1-33M MSE-16409-E

C10ZNE-SAN.W-HOV-017

EXPANSION LOOP

4" CW
1¼" HWR
2½" HW

UNEXCAVATED

4" TO STORM SEW. INV. EL. 375.5'

4" COND. - INV. EL. 376.75'

¾" CW & HW RISER TO ABOVE 1ST FL. SUSP. CEIL'G., CONT. ON SHT. B1-34-M.

TIE INTO EXIST. ¾" COPPER HW & CW W/ VALVES & CPLG'S. AT CEILING OF TUNNEL

C10ZNE-SAN.W-HOV-018

TUNNEL EL. 372.0'

4" TO SAN. SEW. INV. EL. 375.5'

3" DRAIN TO SAN. SEW.

3" VENT RISER THRU ROOF.

SEE DETAIL ON SHT. B1-34-M.

ANCHORS (A-1) SEE DWG. M5E-16409-F

4" CW
1¼" HWR
2½" HW

FOR CONTIN. SEE SHT. B1-32-M.

EAST WING
SCALE ⅛"=1'-0"

7½" O.D. BRONZE FLG. AT 2½" GATE VALVE

2½" CW ℄

BAR ¼ x 3 x 8" LG.

½"ϕ x 13 NC ALL THREAD ROD W/ WASHER & HEAVY HEX NUT EACH SIDE (TYP-2 EACH)

4"x4"x¼" ANGLE, 8" LONG - ATTACH TO 2-BOLTS ON FLANGE

4¾"

8" BLOCK WALL

PLAN
VALVE SUPPORT DETAIL
SCALE: ¼"=1"
(2-REQUIRED)

8

NOTES

(1) SEE GENERAL NOTES ON DWG. B1-32-M, REV. 3

CONTIN. ON MAIN PLAN.

3" DISCHARGE

3" VENT

3"

2"x3" INCREASER

2" GATE VALVE

TO OTHER SUMP LOOP OF SIMILAR

UNION

CHECK VALVE

1 HP. DUPLEX SUMP PUMPS RATED AT 80 G.P.M. @ AGAINST 25 FT. HEAD, COMPLETE WITH FLOAT SWITCHES, HIGH WATER ALARM & AUTOMATIC CONTROL.

F.IN. BASE EL. EL. 365.0'.

2" COND. INLET INV. EL. 364.0'

FOR STRUCTURAL DETAILS OF SUMP, SEE SHT # B1-6-3.

4" C.I. INLET INV. EL. 360.09'

4" C.I. INLET INV. EL. 360.32'

INV. EL. 357.32

BRICK PIER

3

42" I.D.

EAST WING SUMP & PUMP HOOK-UP
SCALE ¼"=1'-0"

42" I.D.

4" C.I. INLET INV. EL. 362.76'

4" C.I. INLET INV. EL. 362.85'

FOR STRUCTURAL DETAILS OF SUMP SEE SHT.# B1-3-5.

PUMP CAPACITY & HOOK-UP SIMILAR TO DETAIL OF EAST WING SUMP & PUMP

INV. EL. 358.85'

3

WEST WING SUMP & PUMP HOOK-UP
SCALE ¼"=1'-0"

SECTION NUMBER OR DETAIL LETTER
SHEET WHERE DETAIL OR SECTION IS CUT
SHEET WHERE DETAIL OR SECTION IS SHOWN

SECTION & DETAIL LEGEND

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEWER: (Name) — DETERMINATION (INSERT NUMBERS)
Authority: ADC ADD
Date: 2-7-97
2ND REVIEWER: (Name)
AUTHORITY: ADD
DATE:
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO: U
3. CONTAINS NO DOE CLASSIFIED INFORMATION
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFORMATION BRACKETED
7. OTHER (SPECIFY)

CLASSIFICATION CHANGED TO Unclassified
Insert Appropriate Classification Level and Category (Ies)
By Authority of (Derivative Declassifier or Derivative Classifier) DOE Ltr 2-7-97
By (Signature of Person Making Change) (Title) (Date) ADC 2-7-98
Verified by: (Signature of Person Verifying Change) (Date)
Martin Marietta, PGDP

REVIEWED FOR CLASSIFICATION
HP 05/22/2014
Initials Date
UNCLASSIFIED

This Material contains information affecting the national defense of the United States within the meaning of the espionage laws, Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

KEY PLAN
SCALE 1"=200'

DRAWING RETRIEVAL

DISCP.	CP	IE	EE	MD	CA
CODED				SSE	

10	JWB	TWB	TMM	—	MDR	TWN												
	DRW	CHK	SECT	PE	PEDH	RED	REQ	DOE	EE	ET	ME	CP	CE	QA	QE	MMES		
SQUAD CHECK																		
REV.	SAFETY	MAINT	SECURITY	FIRE		FS	SYS.ENG	SAE	NCS	ELECTRICAL	INDUSTRY	ENVIRO.	WM	EM	TCC	RAPM	POPM	CCPM	AE
REVISION APPROVALS																		

8									
	CA	EE	IE	MD	MA	QE	EE		
SQUAD CHECK									
REV.	DEPT	ENVIR	PE	OPER	FIRE	SAFETY	SECURITY		
REVISION APPROVALS									

CERTIFIED FOR CONSTRUCTION
BY DMM DATE 4-28-88

E50-16409
FPSC # A2-021

10	JWB 4-25-95	ADDED VALVE NOS. FOR LOCKOUT/TAGOUT	TM	5/2/97
9	RDM 4-91	MISC. PIPE ROUTING CHANGES - AS BUILT	CP	4/91
8	RDM 5/88	HOT & COLD WATER PIPE UPGRADING E50-16409, FPSC # A2-021	WM	4-28-88
7	11-16-53	AS BUILT	GO	11-16-53
6	3-26-53	REVISION REQUEST NO. 458	DR	
5	12-6-51	REVISION REQUEST NO. 109	WW	
4	9-10-51	REVISION REQUEST # 62. FLAT ROOF ADDED FROM COL. B-W TO B-U CONDUCTOR INTO CONVERTED 3" DRAIN ADDED.	V	
3	10-30-51	MECH'L. INDUSTRIES ASSIGNED, ADDITIONAL LOOPS & DETAIL ADDED; INTER. BOTTOM SUMP ADDED	RS	R.L.B. 10/8/51 R.W. 10/30
2	10/25/51	CONSTRUCTION "B"	HL	10/25/51
1	10-18-51	FOR APPROVAL - A&C		
REV. NO.	DATE	ISSUED FOR	BY	APP. DATE

UNITED STATES
ATOMIC ENERGY COMMISSION

SMITH, HINCHMAN & GRYLLS, INC.
ARCHITECTS & ENGINEERS
DETROIT 26, MICHIGAN

DRAWING TITLE
BASEMENT PLUMBING PLAN
EAST AND WEST WING

DRAWING APPROVED—DATE	DRAWING APPROVED—DATE	DRAWING APPROVED—DATE
10-19-1951	R.A. WALKER OCT. 25, 1951.	R.T. BROWN OCT. 25, 1951.
ARCHITECT ENGINEER	CARBIDE & CARBON CHEM. DIV.	A. E. C. ENGINEER

DRAWN	DATE	CHECKED	DATE	JOB
G.D. SHREVE	10/51		10/51	8768
IN CHARGE	DATE	APPROVED	DATE	DWG. NO.
W. Holden	10-25-51		10/51	B1-33-M

PROJECT C-PLANT
BUILDING ADMINISTRATION C-100
SHEET

BT Images, Inc. 00000625

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