FERNALD CLEANUP PROGRESS BRIEFING
FEBRUARY 2000

6:30 p.m.	Opening Remarks	Johnny Reising
6:35 p.m.	2001 Budget Information	Ohio Field Office CFO
6:45 p.m.	Accelerated Waste Retrieval (AWR) Project Team	Nina Akgündüz

Paul Pimentel, Fluor Fernald AWR Project Manager
Ed Nelson, Foster Wheeler AWR Project Manager
John Lawson, Foster Wheeler Engineering Manager
Steve Hungate, Lead Engineer
Jon Anderson, Operations Manager
Robbin Russell, Operations/Training Support
Jerry Martin, Radiation Safety Officer

6:55 p.m.	Silos 1 and 2 AWR Project Update	Ed Nelson
	Question and Answer Session	
8:25 p.m.	Review of Action Items and Meeting Adjournment	

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Patton

EM's Five Appropriation Accounts

Distribution of the FY 2001 Request*

(Dollars in Thousands)

UE D&D Fund - 5%

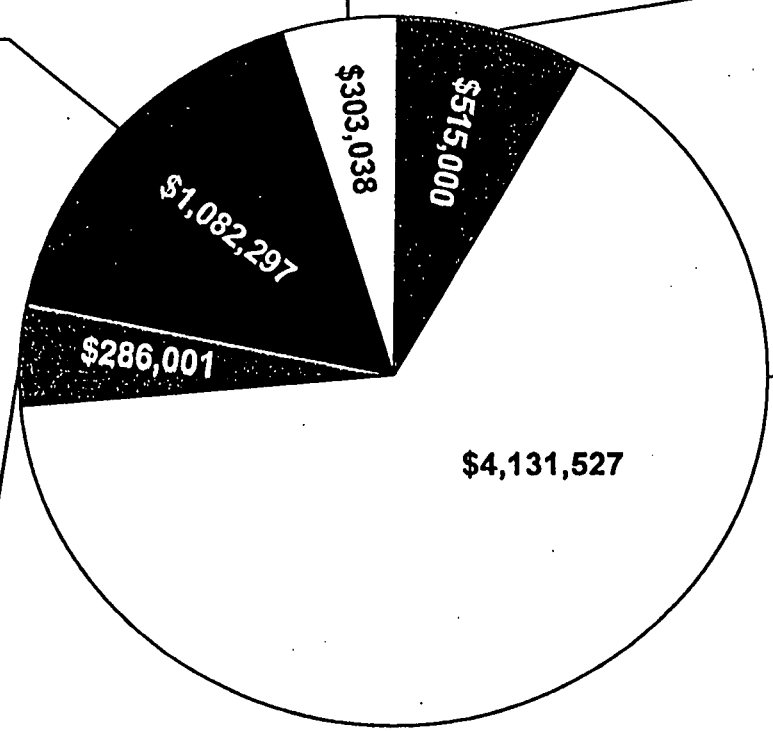
Portsmouth, OH
Paducah, KY
Oak Ridge Reservation, TN

Defense Facilities Closure Projects - 17%

Rocky Flats Field Office, CO
Ashtabula, OH
Columbus, OH
Fernald, OH
Miamisburg (Mound), OH

Defense EM Privatization - 8%

Office of River Protection, WA
Idaho National Engineering and Environmental Laboratory, ID



Defense ER & WM - 65%

Los Alamos National Laboratory, NM
Sandia National Laboratory, NM
Pantex, TX
Waste Isolation Pilot Plant, NM
Idaho National Engineering and Environmental Laboratory, ID
Nevada Operations Office, NV
Oak Ridge Reservation, TN
California Sites
Richland Operations Office, WA
Office of River Protection, WA
Savannah River Site, SC

Non-Defense EM - 5%

Grand Junction Office, CO
Brookhaven National Laboratory, NY
Weldon Spring, MO
California Sites
West Valley, NY
Atlas, UT

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Total FY 2001 Request: $6,317,863

* Listing of sites is not complete; funding amounts are net of all adjustments

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OHIO FIELD OFFICE
BUDGET AUTHORITY BY SITE
AS SHOWN IN THE FY 2001 CONGRESSIONAL BUDGET

SITE	FY 1999	FY 2000	FY 2001
Ashtabula	15,405	15,346	16,248
Columbus	12,072	16,073	16,134
Fernald	279,002	274,522	290,793
Miamisburg	84,096	98,092	94,447
West Valley	107,224	106,942	107,353
Ohio Total	497,799	510,975	524,975

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FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
BUDGET AUTHORITY BY PBS
AS SHOWN IN THE FY 2001 CONGRESSIONAL BUDGET

PBS	PROJECT TITLE	FY 1999	FY 2000	FY 2001
OH-FN-01	Facility Shutdown	33,866	28,451	30,979
OH-FN-02	Facility D&D	14,280	11,834	20,263
OH-FN-03	On-Site Disposal Facility	15,827	16,468	14,861
OH-FN-04	Aquifer Restoration	23,123	27,223	23,058
OH-FN-05	Waste Pits Remediation Project	58,885	39,638	49,849
OH-FN-06	Soils	17,910	15,226	7,790
OH-FN-07	Silos	20,411	34,856	27,268
OH-FN-08	Nuclear Materials	3,712	10,015	12,796
OH-FN-10	Mixed Waste	4,563	3,541	7,986
OH-FN-11	Waste Management	17,069	14,274	24,185
OH-FN-12	Program Support & Oversight	69,356	72,996	71,758
Fernald Total		279,002	274,522	290,793

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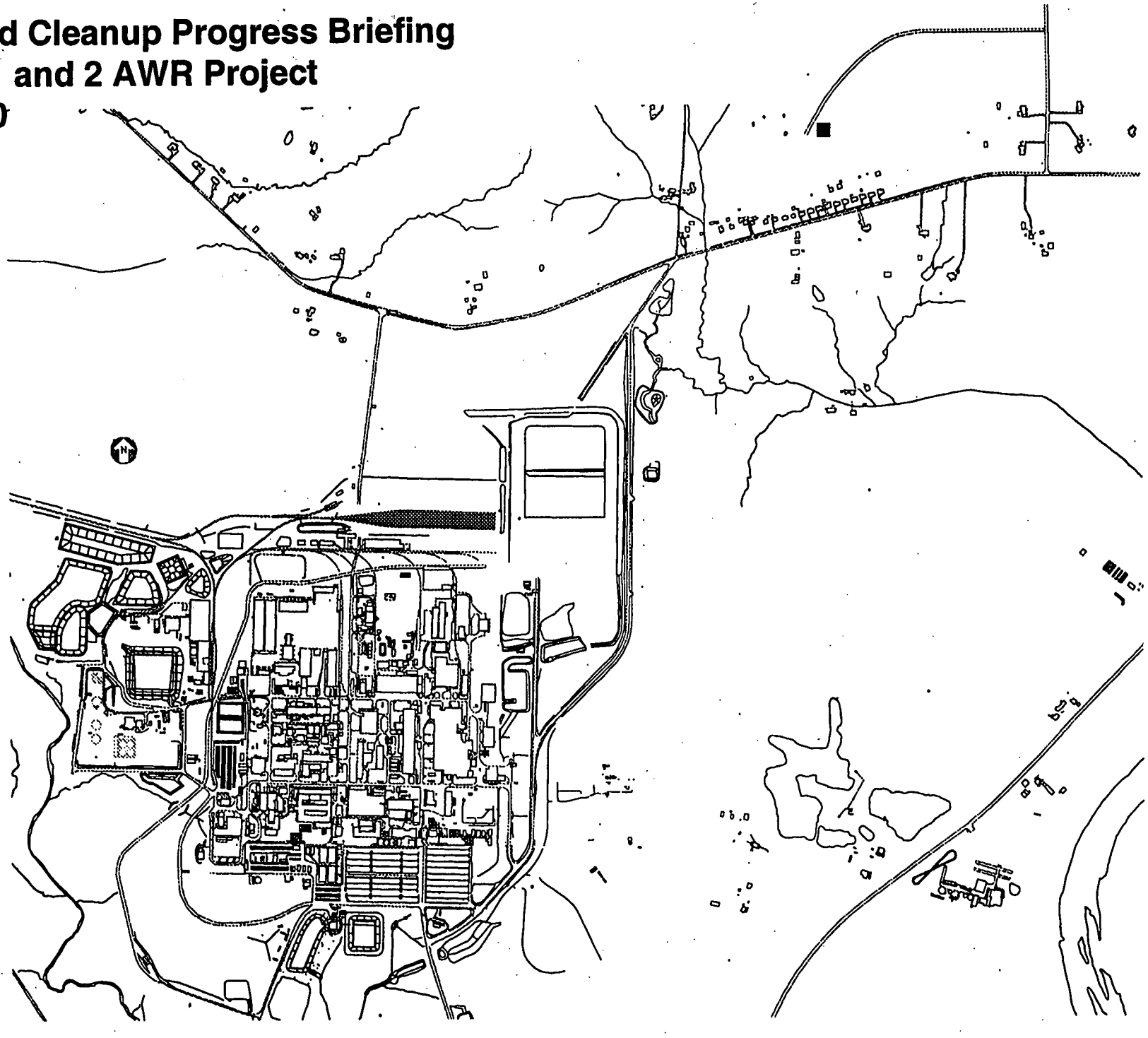
Fernald Cleanup Progress Briefing
Silos 1 and 2 AWR Project
2/08/00



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System Descriptions

RCS	Radon Control System
TTA	Tank Transfer Area
TWRS	Transfer Waste Retrieval System
FSMS	Full-Scale Mockup System
FSM	Full-Scale Mockup
SWRS	Silo Waste Retrieval System
AWR	Accelerated Waste Retrieval

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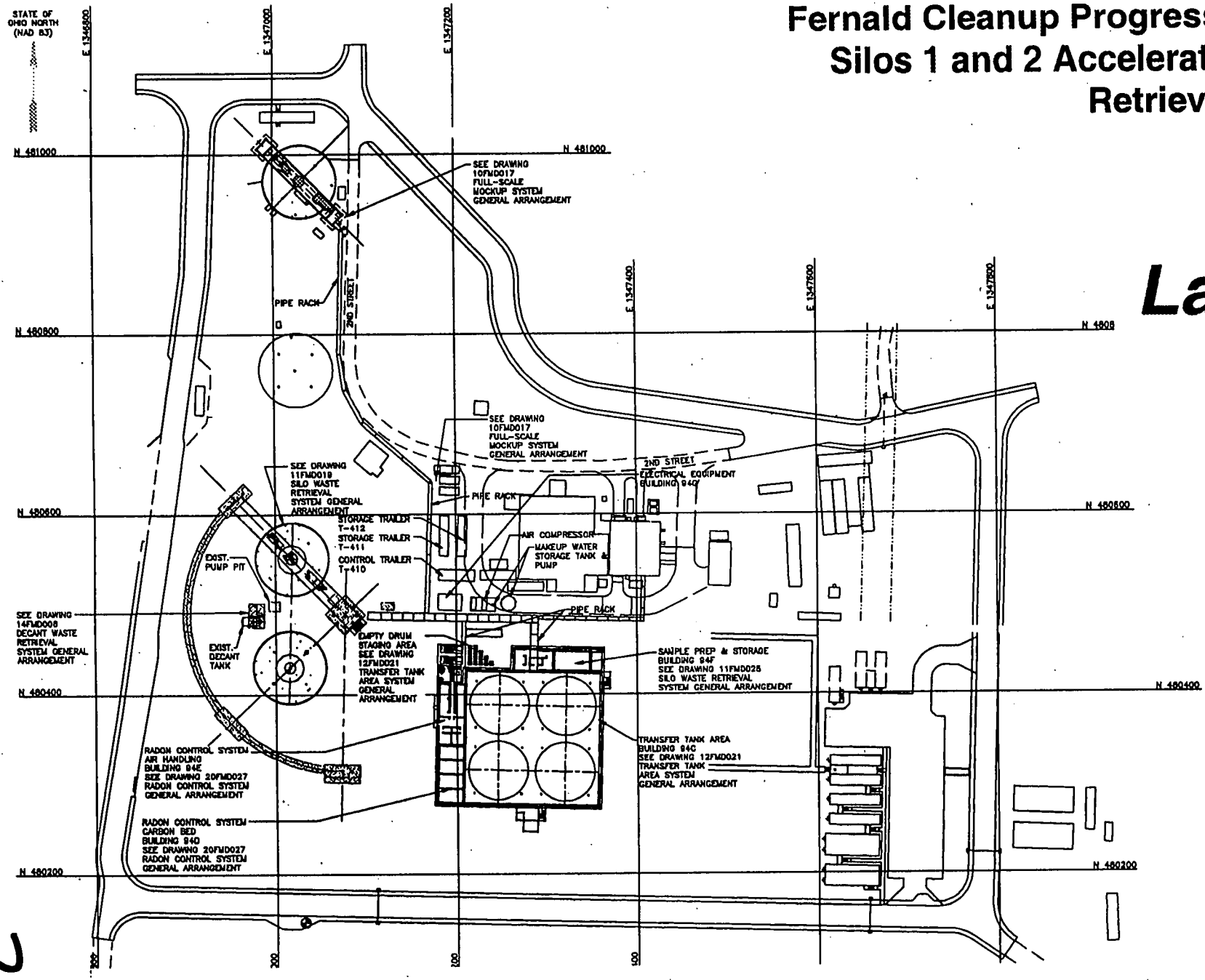
Fernald Cleanup Progress Briefing
Silos 1 and 2 Accelerated Waste Retrieval Project

Site Layout



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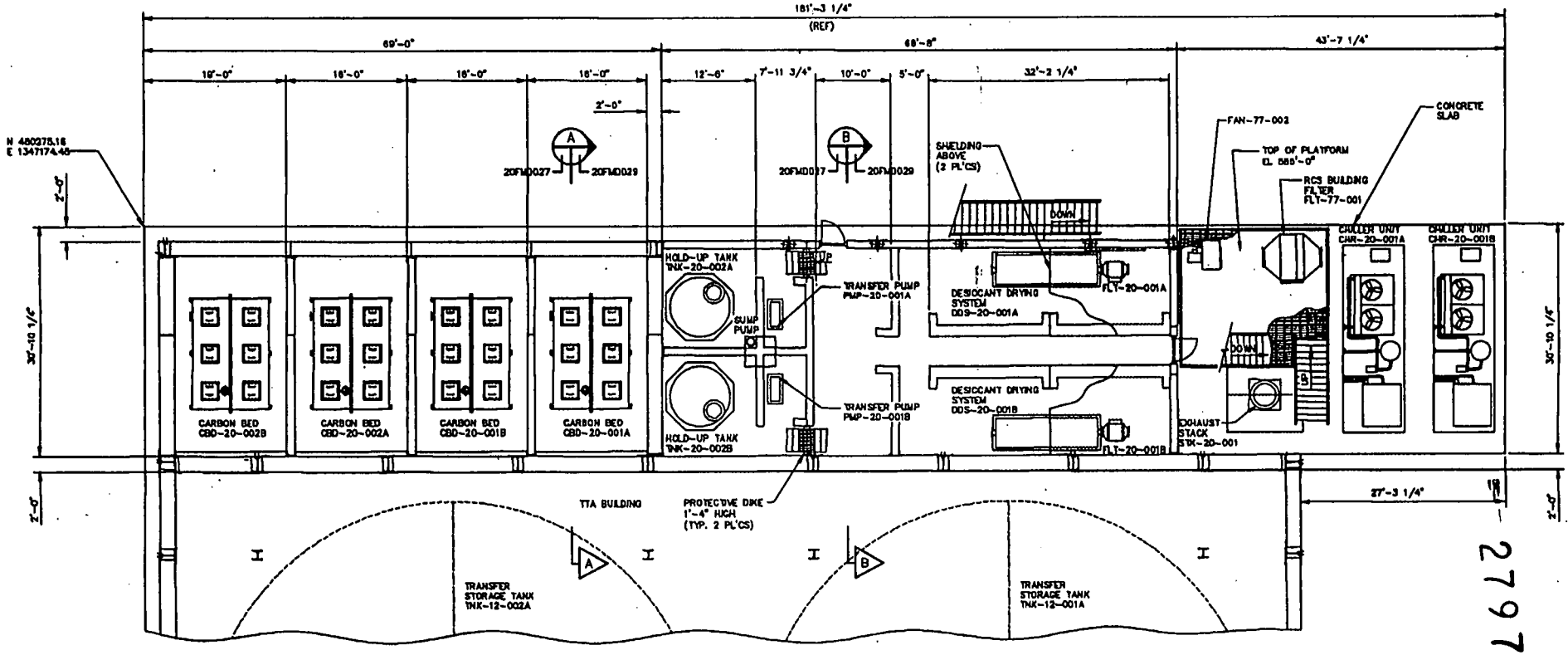
Fernald Cleanup Progress Briefing
Silos 1 and 2 Accelerated Waste Retrieval Project



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1st Floor Radon Control System (RCS)

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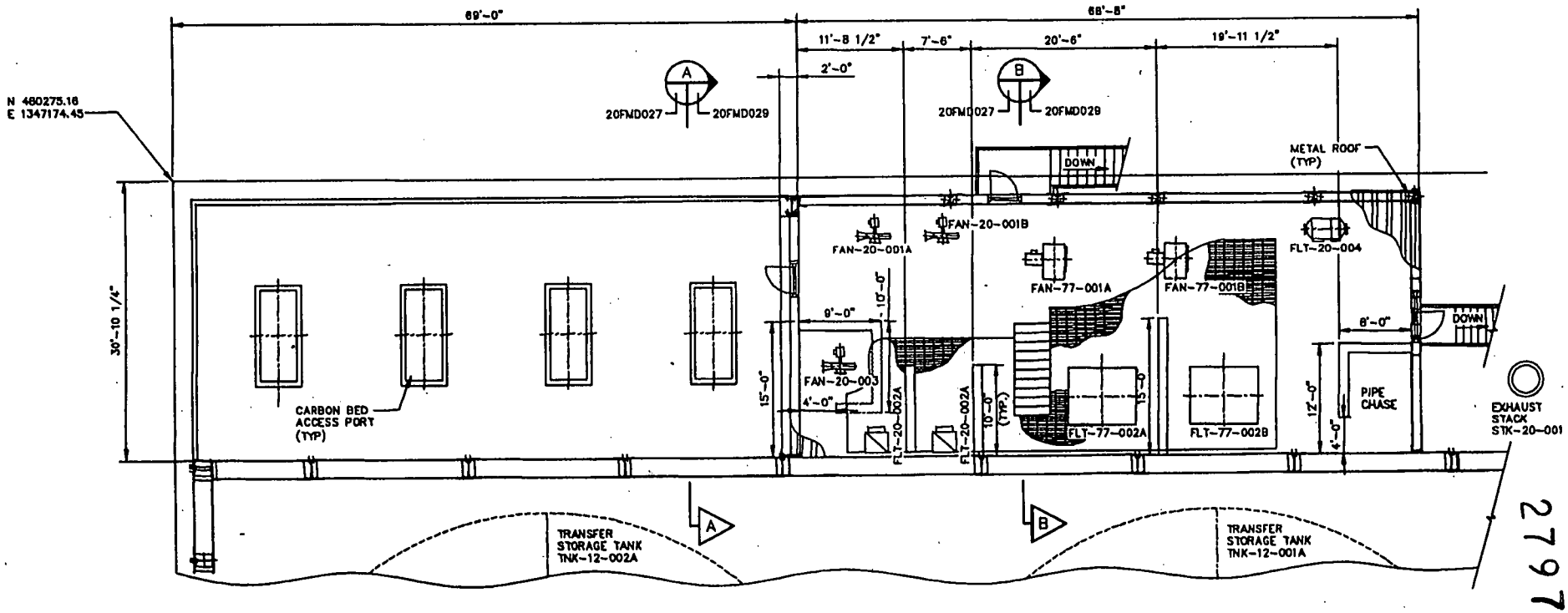
Fernald Cleanup Progress Briefing
Silos 1 and 2 Accelerated Waste Retrieval Project



CARBON BED BUILDING (94D)
AIR HANDLING BUILDING (94E)
SECOND FLOOR PLAN (@EL 593'-1")
SCALE: 1/8"=1'-0"

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2nd Floor Radon Control System (RCS)

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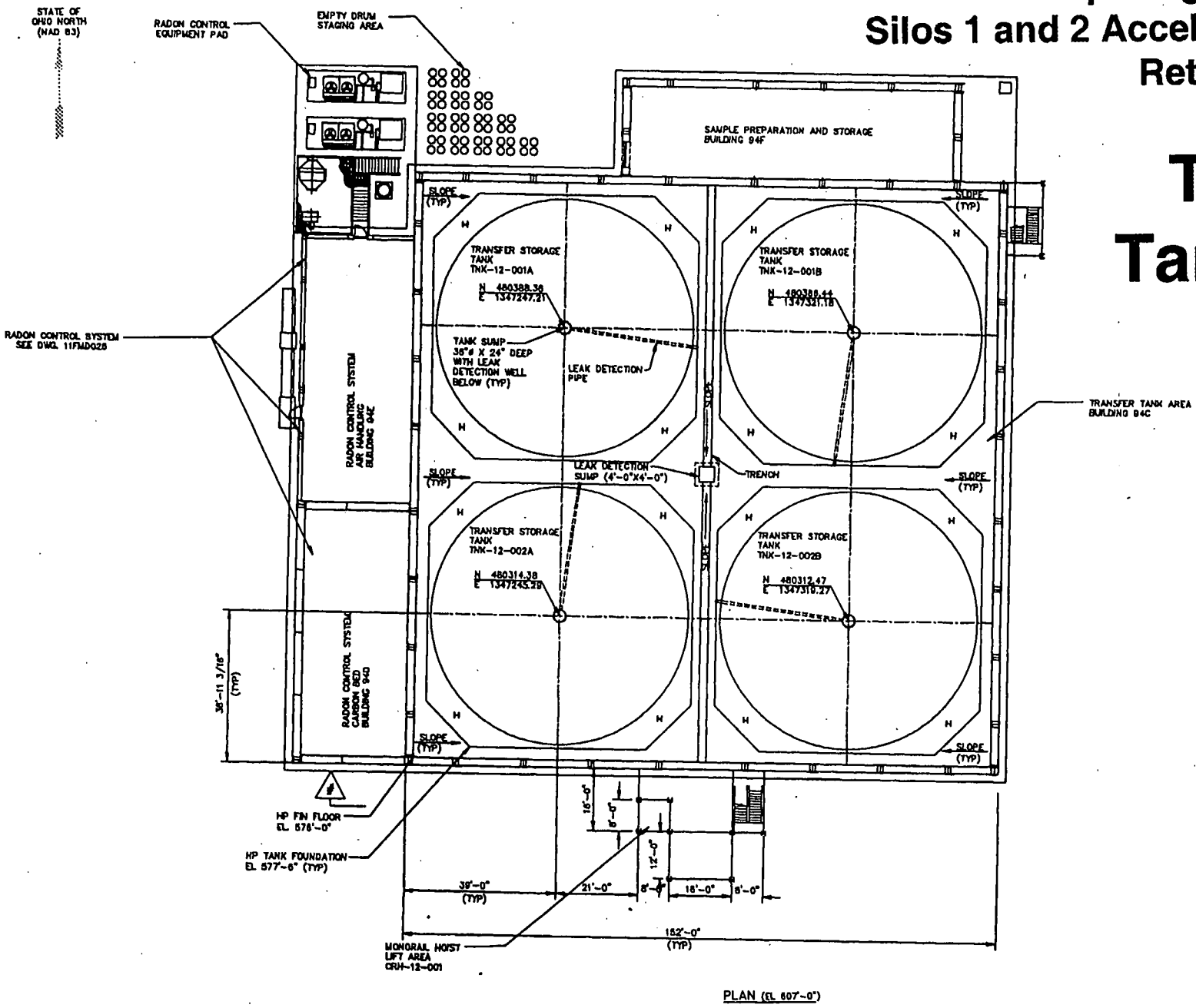
Silos 1 and 2 Accelerated Waste Retrieval Project

Transfer Tank Area (TTA)



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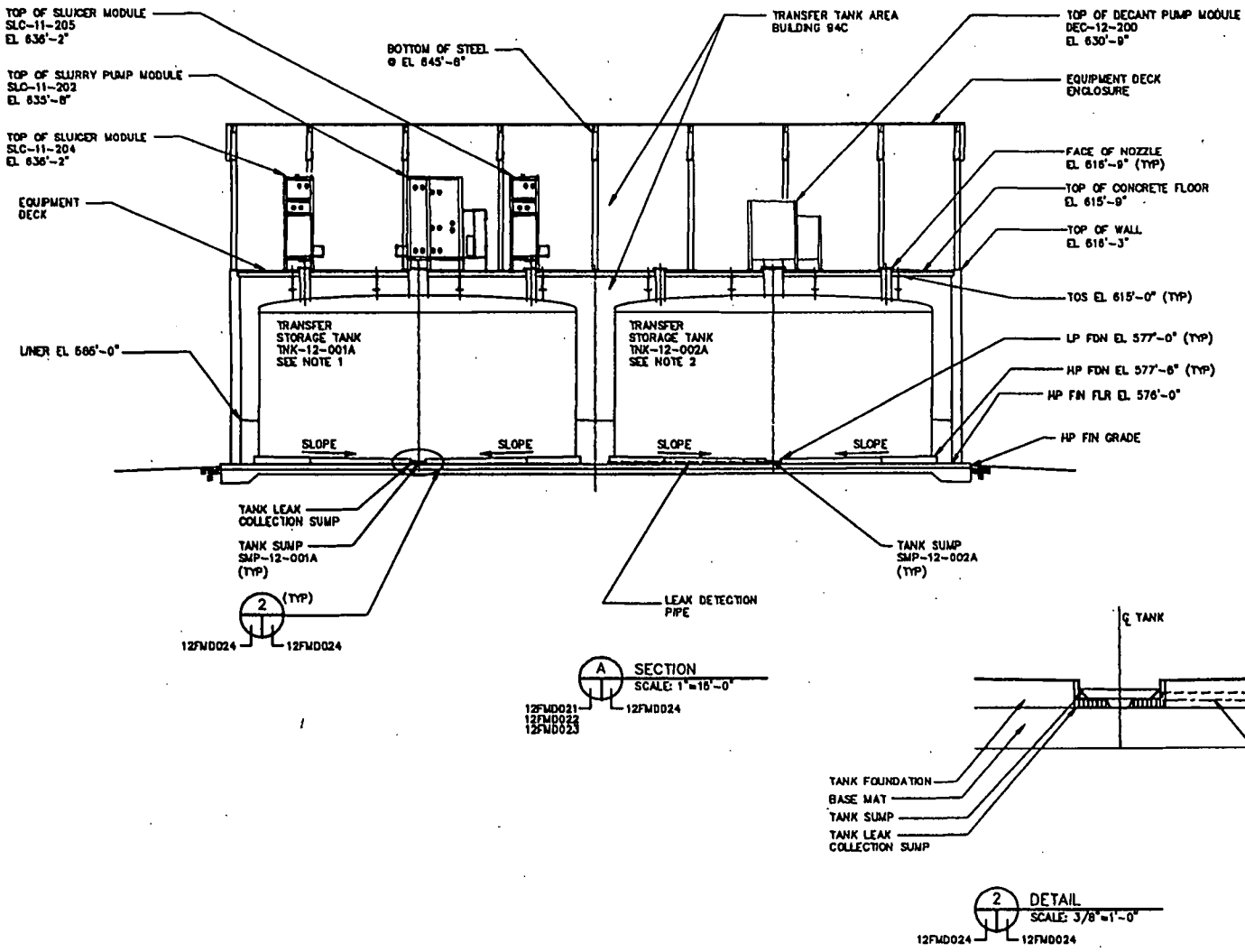
Silos 1 and 2 Accelerated Waste Retrieval Project

Tank Waste Retrieval System (TWRS)

Transfer Tank Area (TTA)



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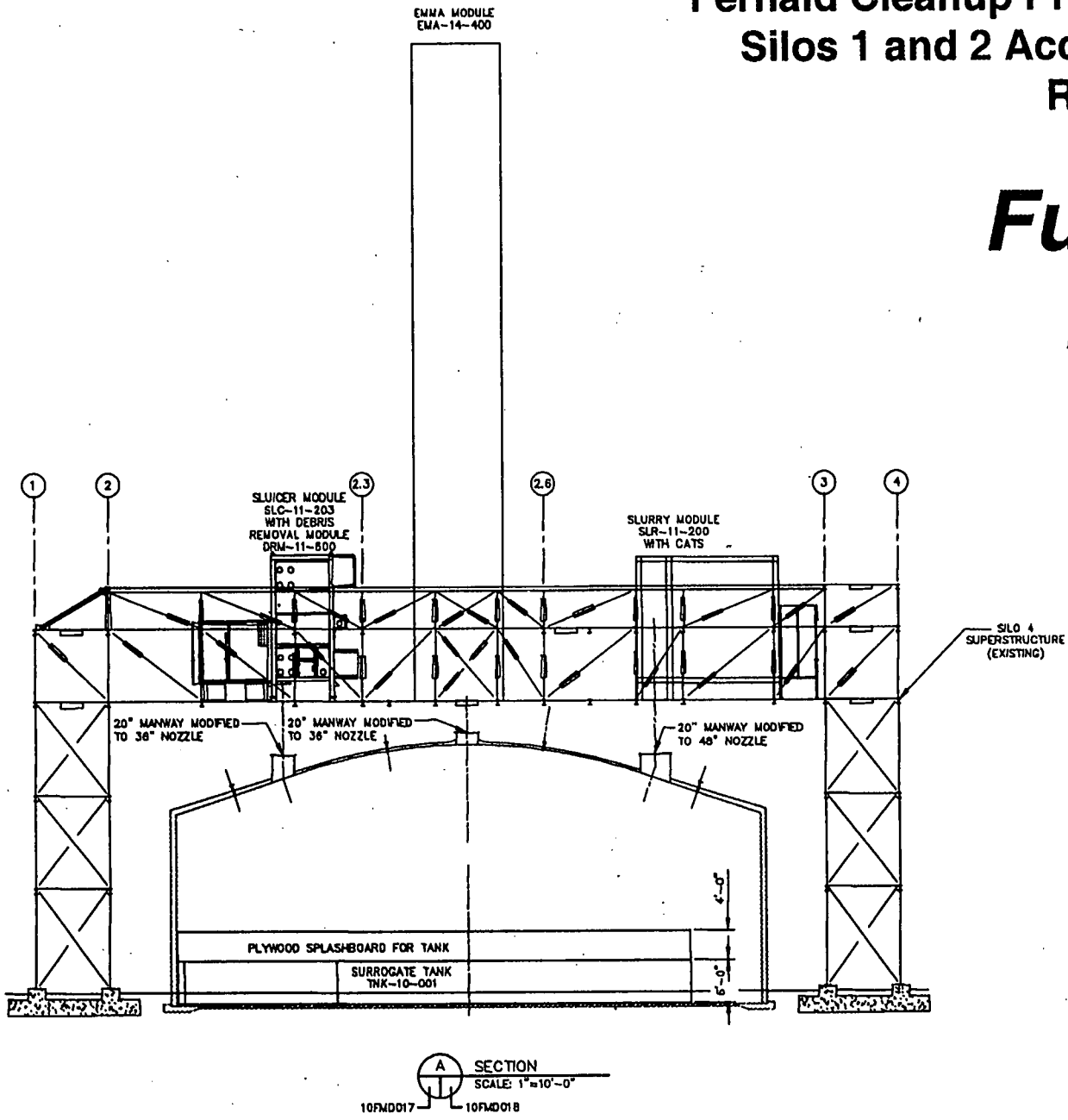
Silos 1 and 2 Accelerated Waste Retrieval Project

Full-Scale Mockup System (FSMS)



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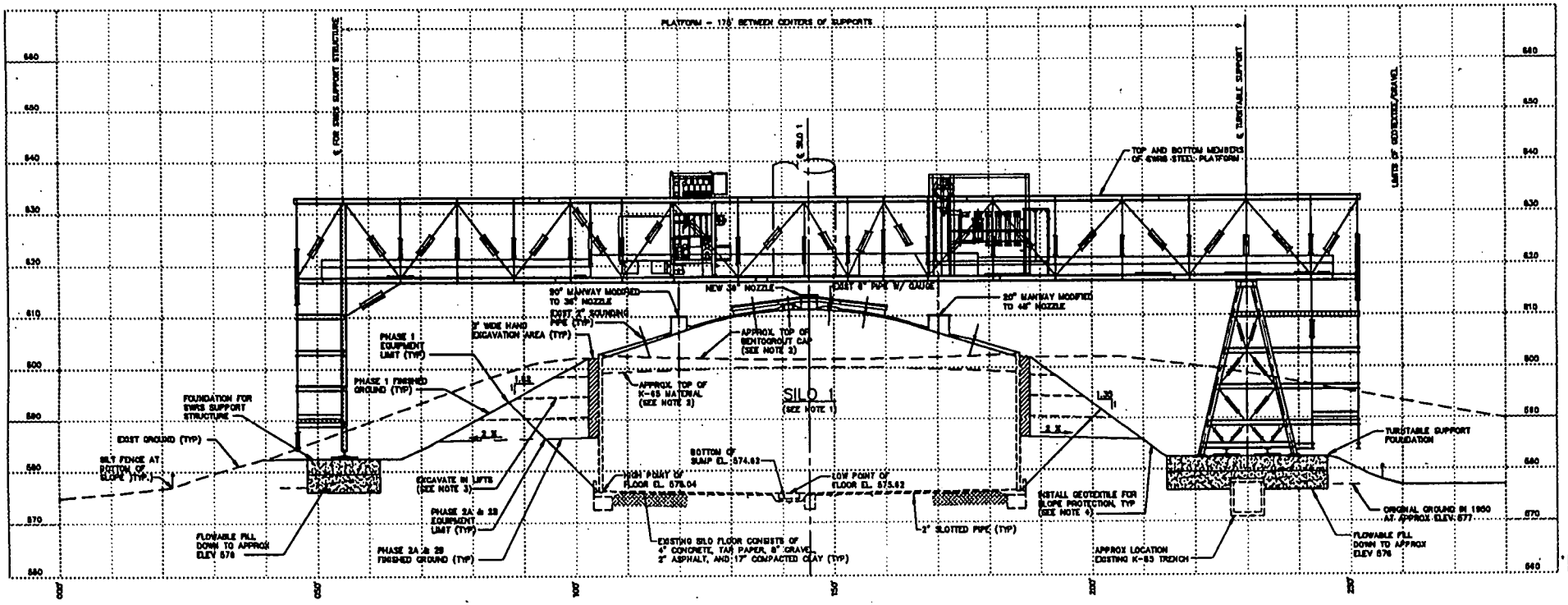
Fernald Cleanup Progress Briefing
Silos 1 and 2 Accelerated Waste Retrieval Project


PLATFORM - 176' BETWEEN CENTERS OF SUPPORTS
℄ FOR SWRS SUPPORT STRUCTURE
℄ SILO 1
℄ TURNTABLE SUPPORT
LIMITS OF GEOTEXTILE/PANEL
TOP AND BOTTOM MEMBERS OF 4WRS STEEL PLATFORM
NEW 36" NOZZLE
EXIST 8" PIPE W/ GAUGE
20" MANWAY MODIFIED TO 48" NOZZLE
20" MANWAY MODIFIED TO 36" NOZZLE
EXIST 2" SOUNDING PIPE (TYP)
3' WIDE HAND EXCAVATION AREA (TYP)
APPROX TOP OF BENTOGROUT CAP (SEE NOTE 2)
PHASE 1 EQUIPMENT LIMIT (TYP)
PHASE 1 FINISHED GROUND (TYP)
APPROX TOP OF K-65 MATERIAL (SEE NOTE 3)
SILO 1 (SEE NOTE 1)
FOUNDATION FOR SWRS SUPPORT STRUCTURE
EXIST GROUND (TYP)
SILT FENCE AT BOTTOM OF SLOPE (TYP)
EXCAVATE IN LIFTS (SEE NOTE 3)
BOTTOM OF SUMP EL. 574.63
HIGH POINT OF FLOOR EL. 578.04
LOW POINT OF FLOOR EL. 573.62
INSTALL GEOTEXTILE FOR SLOPE PROTECTION, TYP (SEE NOTE 4)
TURNTABLE SUPPORT FOUNDATION
ORIGINAL GROUND IN 1950 AT APPROX ELEV. 577
PHASE 2A & 2B EQUIPMENT LIMIT (TYP)
FLOWABLE FILL DOWN TO APPROX ELEV 576
PHASE 2A & 2B FINISHED GROUND (TYP)
EXISTING SILO FLOOR CONSISTS OF 4" CONCRETE, TAR PAPER, 8" GRAVEL, 2" ASPHALT, AND 17" COMPACTED CLAY (TYP)
2" SLOTTED PIPE (TYP)
APPROX LOCATION EXISTING K-65 TRENCH
FLOWABLE FILL DOWN TO APPROX ELEV 576
1.25
1.5
2 X
1 X
560
570
580
590
600
610
620
630
640
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660
670
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690
700
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780
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850
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870
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940
950

AWR Project Schedule

Design Completion	June 2000
Construction Startup	June 2000
Radon Control System Operations	March 2001
Full-Scale Mockup Testing Complete	October 2001
AWR Operations	June 2002
Project Completion	October 2003

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