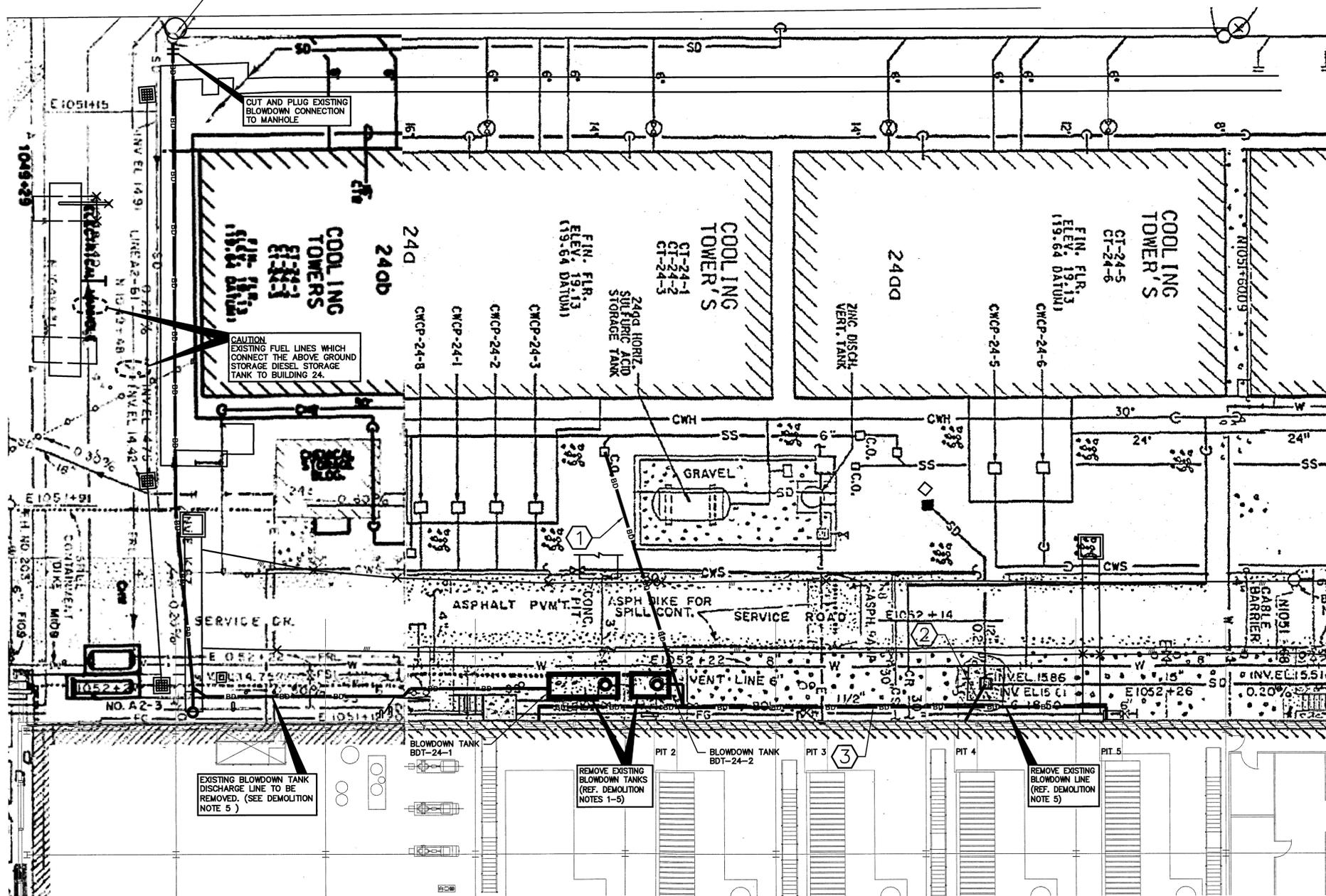
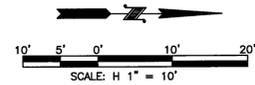


M.H. N 1049+56
E 1051+00



GENERAL NOTES:

1. ALL ASPECTS OF THIS CONSTRUCTION PACKAGE REQUIRE CLOSE COORDINATION WITH NASA PERSONNEL. THIS INCLUDES, BUT IS NOT LIMITED TO, THE TIME SCHEDULE OF DEMOLITION AND NEW CONSTRUCTION INCLUDED IN THE SPECIFICATION. CONTRACTOR SHALL CLOSELY COORDINATE ALL DEMOLITION AND NEW CONSTRUCTION WITH NASA TO REDUCE DOWN TIME AND INCONVENIENCE OF NASA OPERATIONS TO LOWEST POSSIBLE LEVEL.
2. UNDER NO CIRCUMSTANCES SHALL CONTRACTOR TAKE ANY OPERATING EQUIPMENT OR ANY EQUIPMENT REQUIRED FOR OPERATION OF OTHER EQUIPMENT OUT OF SERVICE WITHOUT ADVANCED WRITTEN NOTIFICATION AND APPROVAL OF NASA PERSONNEL.
3. THE INTERMITTENT AND CONTINUOUS BLOWDOWN SYSTEM SHALL REMAIN IN OPERATION. CONTRACTOR SHALL COORDINATE DEMOLITION OF BLOWDOWN SYSTEM WITH NASA PERSONNEL TO PREVENT OUTAGES. ALL DEVICES REQUIRED FOR OPERATION OF THE BLOWDOWN SYSTEM SHALL REMAIN. REMOVAL OF ANY DEVICE WHICH MIGHT JEOPARDIZE OPERATION OF THIS EQUIPMENT SHALL BE APPROVED IN WRITING BY NASA PRIOR TO DEMOLITION.
4. REFER TO DEMOLITION SPECIFICATION - SECTION 02-41-00 FOR ADDITIONAL REQUIREMENTS.
5. ALL EXISTING UTILITIES ARE FROM RECORD DRAWINGS, AND REPRESENT THE BEST AVAILABLE INFORMATION. HOWEVER, THE ACCURACY OF OR COMPLETENESS OF SUCH INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS SUFFICIENTLY IN ADVANCE OF DEMOLITION OR CONSTRUCTION ACTIVITIES.
6. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AN EXISTING UTILITY, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
7. WHEN EXISTING UTILITIES ARE EXPOSED SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
8. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE THE UNDERGROUND FACILITIES.

DEMOLITION NOTES:

1. ALL DEBRIS SHALL BECOME PROPERTY OF THE GENERAL CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR PROPER DISPOSAL OF DEMOLISHED MATERIAL.
2. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO DEMOLITION. IF CONTRACTOR FINDS EXISTING UNDERGROUND UTILITY LINES TO BE INTERFERING WITH PROPOSED CONSTRUCTION, CONTRACTOR SHALL CEASE WORK IN THE AFFECTED AREA AND NOTIFY NASA PERSONNEL.
3. DEMOLISHED MATERIAL SHALL NOT BE USED FOR BACKFILL.
4. BACKFILL ALL EXCAVATED AREAS WITH SELECT FILL IN MAXIMUM 8" LOOSE LIFTS TO 95% STANDARD PROCTOR DENSITY PER ASTM D-698 AT OPTIMUM MOISTURE +/-2.0%.
5. DEMOLITION SEQUENCE
 - a. CONTRACTOR TO INSTALL TEMPORARY BY-PASS FOR BOILER BLOWDOWN DISCHARGE FROM EXISTING BOILER PITS 2, 3, 4 AND 5 TO MANHOLE N1049+56, E1051+00. BY-PASS MUST BE SIZED TO HANDLE MINIMUM DISCHARGE RATE OF 300 GPM. SUBMIT BY-PASS PLAN TO NASA PROJECT REPRESENTATIVE FOR APPROVAL PRIOR TO IMPLEMENTATION.
 - b. REMOVE EXISTING BLOWDOWN LINE FROM FACE OF WEST WALL OF BUILDING 24, AS WELL AS ALL SUPPORT BRACKETS AND APPURTENANCES. SEAL ALL OPEN WALL PENETRATIONS. REPAIR WALL TO MATCH EXISTING.
 - c. PUMP OUT CONTENTS & REMOVE EXISTING BLOWDOWN TANKS (BDT-24-2 & BDT-24-1) AND ASSOCIATED APPURTENANCES. THE CONTRACTOR SHALL NOTIFY THE NASA PROJECT REPRESENTATIVE ONCE THE SOIL IN THE TANK PIT IS EXPOSED FROM THE REMOVAL OF BLOW DOWN TANKS. THE GOVERNMENT WILL EXAMINE THE SOILS FOR SIGNS OF SOIL CONTAMINATION. IF ANY CONTAMINATED SOIL IS ENCOUNTERED, CONTRACTOR IS TO CEASE ALL WORK IN THE TANK PIT UNTIL INSTRUCTED TO PROCEED.
 - d. REFERENCE SHEET C-24-8 DETAIL 1, AND SHEET SD-24-3 FOR INFORMATION REGARDING SIZE AND CONSTRUCTION OF EXISTING BLOWDOWN TANKS.
 - e. CONTRACTOR TO REMOVE ALL ABANDONED BLOWDOWN PIPING FROM EXISTING BLOWDOWN TANKS TO MANHOLE N1049+56, E1051+00.

KEY NOTES:

- 1 REMOVE EXISTING 2 1/2" STEEL BLOWDOWN LINE AND ALL ASSOCIATED APPURTENANCES.
- 2 EXISTING 6" CAST IRON DRAIN LINE FROM PIT 4 TO STORM SWR INLET TO BE CUT AND PLUGGED AT BUILDING. REMAINDER OF LINE FROM BUILDING TO INLET SHALL BE USED FOR PROPOSED STORM DRAINS. REFER TO C-24-8, DETAIL 4.
- 3 REMOVE EXISTING BLOWDOWN LINE FROM FACE OF BUILDING 24 (REFER: DEMOLITION NOTE 5b).

EXISTING BLOWDOWN TANK DISCHARGE LINE TO BE REMOVED. (SEE DEMOLITION NOTE 5)

REMOVE EXISTING BLOWDOWN TANKS (REF. DEMOLITION NOTES 1-5)

REMOVE EXISTING BLOWDOWN LINE (REF. DEMOLITION NOTE 5)

SDATES \$TIMES \$SUBERS \$FILES \$SFILES

"ENTIRE SHEET IS OPTION 1"

OTHON
CONSULTING ENGINEERS
F-1471 HOUSTON • AUSTIN • DALLAS

1	2/15/11	REVISED NOTES 5c & 5d
0	9/15/10	ISSUED FOR CONSTRUCTION
REVISION	DATE	DESCRIPTION
DR.	ENG	NATIONAL AERONAUTICS & SPACE ADMINISTRATION LYNDON B. JOHNSON SPACE CENTER HOUSTON, TEXAS BUILDING 24
CH	APPR	
DEMOLITION PLAN		
REV		
DISCP		
PE		
APPR		

PROJECT NO. _____ SHEET NO. _____ OF _____

PROJECT ID NR. _____

CODE IDENT. NO. 21356 SIZE _____

DWG NO. **C-24-2**