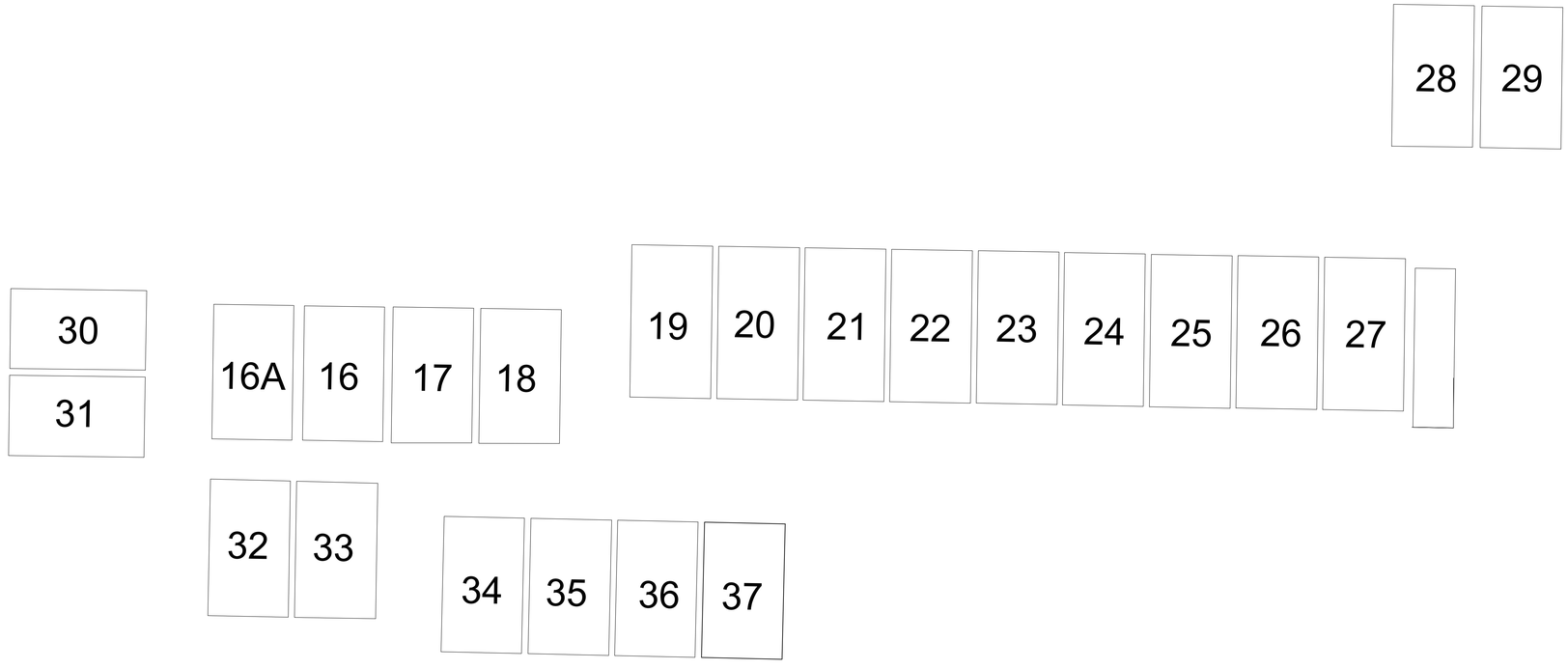
IF THIS SHEET IS NOT 30"X42", IT IS A REDUCED PRINT - SCALE ACCORDINGLY



1 PORTABLE CLASSROOMS 16-37 - HAZARDOUS MATERIALS PLAN - PARTIAL SITE PLAN AND NOTES
SCALE NTS

NORTH

GENERAL SHEET NOTES

1. THE CONTRACTOR IS TO REMOVE AND PROPERLY DISPOSE OF ALL ASBESTOS, PCB LIGHT BALLASTS, UNIVERSAL WASTE ITEMS, AND SMOKE DETECTORS PRIOR TO GENERAL LEAD-RELATED PORTABLE BUILDING DEMOLITION/REMOVAL.
2. ESTIMATED QUANTITIES PROVIDED BELOW ARE FOR REFERENCE ONLY. THE CONTRACTOR IS TO REVIEW ALL AVAILABLE DOCUMENTS INCLUDING DRAWINGS AND SURVEY REPORTS AND FIELD VERIFY EXISTING CONDITIONS AND QUANTITIES PRIOR TO SUBMITTING A BID.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH PROJECT DRAWINGS, INCLUDING BUT NOT LIMITED TO SHEET 1 HM 100, SPECIFICATION SECTION 02 81 00 HAZARDOUS MATERIALS REMEDIATION, AND APPLICABLE STATE AND FEDERAL REGULATION.

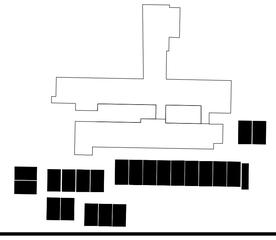
SHEET NOTES

1. PRIOR TO BUILDING DEMOLITION, REMOVE THE FOLLOWING HAZARDOUS MATERIALS FROM THE 24 PORTABLE CLASSROOM AND RESTROOM BUILDINGS:
   A. ASBESTOS CONTAINING MATERIAL (ACM):
      - WINDOW & DOOR FRAME SEALANTS, TAN, (5-7% ASBESTOS) ON WINDOW AND DOOR FRAMES OF PORTABLE CLASSROOMS P16A, P17 & P18 ONLY. THIS IS AN EPA CATEGORY II NON-FRIABLE ACM AND REQUIRES CAL/OSHA CLASS II REMOVAL. APPROXIMATELY 51 SF (612 LF) OF WINDOW AND DOOR FRAME SEALANT IS INCLUDED AT MINIMUM.
      - WINDOW & DOOR FRAME SEALANTS, BLACK/GREY OR BROWN, (2% ASBESTOS) ON WINDOW AND DOOR FRAMES OF PORTABLE CLASSROOM P23 ONLY. THIS IS AN EPA CATEGORY II NON-FRIABLE ACM AND REQUIRES CAL/OSHA CLASS II REMOVAL. APPROXIMATELY 7 SF (84 LF) OF WINDOW AND DOOR FRAME SEALANT IS INCLUDED AT MINIMUM.
      - ROOFING SEALANT, OFF-WHITE, (5% ASBESTOS) AT ROOF SEAMS ON PORTABLES P16A, P17, & P18 ONLY. THIS IS AN EPA CATEGORY II NON-FRIABLE ACM AND REQUIRES CAL/OSHA CLASS II REMOVAL. APPROXIMATELY 240 SF (2,880 LF) OF ROOFING SEAM SEALANT MATERIAL IS INCLUDED AT MINIMUM.
   B. FLUORESCENT LIGHT FIXTURES WITH ASSUMED PCB BALLASTS TO BE REMOVED, INSPECTED, AND PROPERLY DISPOSED OF INCLUDES APPROXIMATELY 240 SUSPECT PCB BALLASTS TOTAL FOR 23 PORTABLE CLASSROOMS AND THE PORTABLE RESTROOMS.
   C. UNIVERSAL WASTE (UW) ITEMS TO BE REMOVED AND PROPERLY DISPOSED OF INCLUDES THE FOLLOWING:
      - APPROXIMATELY 480 FLUORESCENT LIGHT TUBES (4') PLUS 24 HIGH INTENSITY LIGHTS FOR THE 23 PORTABLE CLASSROOMS AND PORTABLE RESTROOMS
   D. SMOKE DETECTORS WITH LOW LEVEL RADIOACTIVE MATERIAL SOURCES REQUIRING REMOVAL AND PROPER DISPOSAL. APPROXIMATELY 24 SMOKE DETECTORS TOTAL FOR THE PORTABLE CLASSROOMS AND RESTROOMS.
   E. HVAC UNITS WITH REFRIGERANT GASSES (CFC'S) REQUIRING PROPER GAS REMOVAL AND RECYCLING BY EPA CERTIFIED CFC (FREON) GAS RECLAIMING TECHNICIANS. A TOTAL OF 24 HVAC UNITS WITH CFCS ARE INCLUDED.

2. LEAD-RELATED BUILDING DEMOLITION: NO LEAD-BASED PAINT (LBP) HAS BEEN DETECTED ON ANY PORTABLE BUILDINGS TO BE DEMOLISHED. LOW LEVELS OF LEAD UP TO 0.06 MG/CM2 WERE DETECTED BY XRF IN PAINTS AND COATINGS AND ALL PAINTS AND COATINGS PRESENT MUST BE ASSUMED TO CONTAIN SOME DETECTABLE LEAD. THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING LEAD-RELATED DEMOLITION AND CLEAN-UP WORK:
   A. CONDUCT LEAD-RELATED DEMOLITION IN ACCORDANCE WITH CAL/OSHA REGULATION FOR WORKER PROTECTION USING PROPERLY TRAINED, MEDICALLY QUALIFIED AND EQUIPPED WORKERS.
   B. CONDUCT LEAD-RELATED DEMOLITION AND THE RESULTING DEBRIS CLEAN - UP IN A MANNER THAT DOES NOT CONTAMINATE THE SITE AND SOIL ABOVE BACKGROUND LEVELS.
   C. CHARACTERIZE AND DISPOSE OF ALL DEMOLITION DEBRIS IN ACCORDANCE WITH CAL/EPA AND FEDERAL EPA REGULATION.

3. A SURVEY OF SURFICIAL (0-6" BGS) SITE SOILS HAS DETECTED SOME TOXIC METALS AND ORGANIC COMPOUNDS ABOVE ENVIRONMENTAL SCREENING LEVELS INDICATING SOME POTENTIAL RISK TO CONSTRUCTION WORKERS. THE CONTRACTOR SHALL REVIEW FULL SURVEY REPORT AND TAKE APPROPRIATE MEASURES TO ENSURE WORKER SAFETY AND REMOVAL OF SOIL FROM ANY CONCRETE TO BE RECYCLED.

KEY PLAN



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THE AMERICAN BOARD OF INDUSTRIAL HYGIENE INCORPORATED
CERTIFICATION NUMBER 3188 CIP
EXPIRES 8-1-2023
CERTIFIED INDUSTRIAL HYGIENIST
LAWRENCE REYNOLDS, CIH

PROJECT
HARDER ELEMENTARY SCHOOL INCREMENT #1

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HAYWARD UNIFIED SCHOOL DISTRICT

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HAYWARD, CA 94544

ISSUED

MARK	DATE	DESCRIPTION
	12/12/2018	DSA SUBMITTAL

MANAGEMENT

VISTA PROJECT NO: 160041001
DSA PROJECT NO: 01-117934

AGENCY

TITLE
PORTABLE CLASSROOMS 16-37 HAZARDOUS MATERIALS PLAN

SHEET
HM-P-1