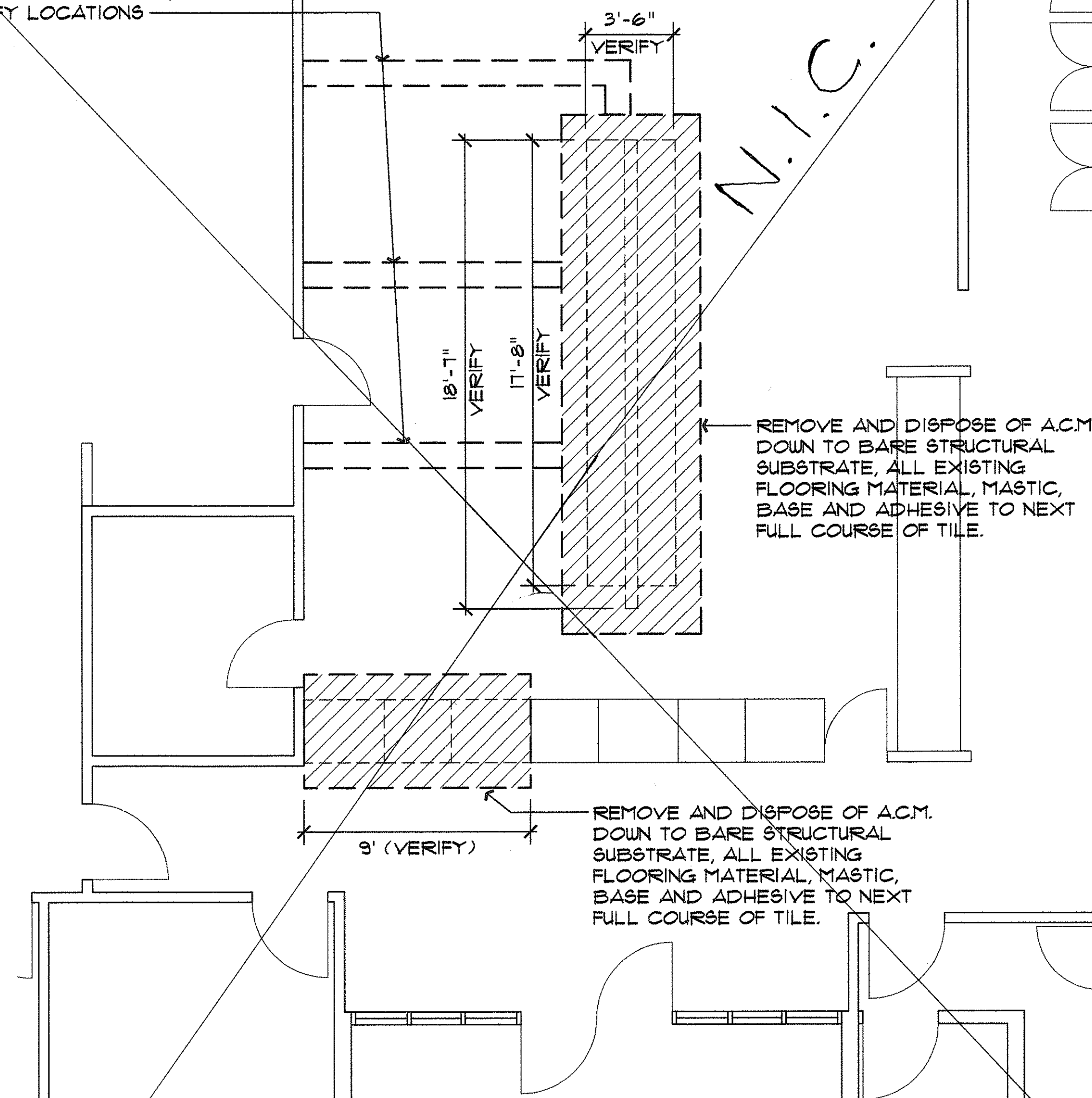


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	HWY-M-04-98M	1998	2	8

ASBESTOS REMOVAL NOTES

- All information on the drawings relative to existing conditions is given as the best present knowledge but without guarantee of accuracy. Where actual conditions conflict with the drawings they shall be reported by the Contractor to the Engineer so that the proper revisions may be made.
- The bidder shall carefully examine the drawings, read the specifications and all other proposed contract documents. The bidder shall visit the site prior to the submittal of his bid. The bidder shall include in his bid, a sum to cover all costs of all items necessary to perform the work as set forth in the proposed contract documents. No allowance shall be made to the bidder because of lack of such examination or knowledge. The submission of a bid shall be construed as conclusive evidence that the bidder has made such examination.
- The bidder shall provide all necessary labor and materials to perform all work according to the plans and specifications. The Engineer shall be notified of any discrepancies and/or conditions that will affect the work, before proceeding. Should such notice occur, the Contractor shall not proceed without consent of the Engineer.
- The bidder shall not be relieved of obligations to perform work in accordance with the specifications either by activities or duties of the Engineer, Project Designer, or State's Consultant administration of the contract, or by tests, inspections or approvals required or performed by persons other than the Contractor.
- If the bidder observes that portions of the specifications are at variance therewith, the bidder shall promptly notify the Engineer in writing, and necessary changes shall be accomplished by appropriate modification. If the contractor performs work knowing it to be contrary to applicable laws, rules and regulations without such notice to the Engineer, the Contractor shall assume full responsibility for such work and shall bear the attributable costs.
- The bidder shall visit the project area and verify conditions before proceeding with the described and specified work. Inform the Engineer of any and all discrepancies or deviations from the contract documents. All discrepancies shall be resolved before proceeding with work.
- The Contractor shall remove and dispose of as asbestos-containing material all flooring material, adhesive, cove base and adhesive as indicated on the drawings and as required to safely complete this project.
- Removal of non-friable asbestos-containing material (flooring):
 - The Contractor shall remove and dispose of as asbestos-containing material, all layers of flooring material, mastic, cove base, and adhesive down to bare structural substrate.
 - Each regulated work area must maintain a minimum of -0.04" column inches of water pressure differential, relative to outside pressure and shall be maintained as evidenced by manometric measurements. Air purifying units shall remain operational at all times.
 - The Contractor at all times shall utilize "wet methods" when removing, bagging and disposing of asbestos-containing materials. Refer to Section 654 of the Specifications.
 - The contractor shall seal and lock all door or passage way(s) that are not being used as an entrance/exit to the work area. The contractor shall install critical seals on all building windows, and/or openings including all air-conditioning diffuser/returns. The rooms may not be entered by unauthorized persons once asbestos abatement has commenced.
 - The Contractor shall provide plastic sheeting from bottom of wall to a minimum of four (4) feet around all walls and other objects within the work area where floor tile, adhesive, wall base and adhesive is to be removed (where applicable).
 - The Contractor shall spray encapsulant on surfaces where material was removed.
 - The Contractor shall, continuously throughout the work shift and at the end of the work shift, perform visual inspections and clean up of all debris within the work area and adjacent to the work area caused by his work.
 - The Contractor shall field verify existing site conditions to determine the best location for air purifying units for each work area.
 - The Contractor shall field verify existing site conditions to determine the best location for decontamination units adjacent to each work area.
- The Contractor shall protect any unmoveable objects in the abatement area. The asbestos contractor shall be responsible for all damages to the project site and to any equipment remaining in the abatement area during the course of the abatement portion of the project, and therefore shall take adequate measures to prevent any such damage.
- The Contractor shall load and unload any asbestos waste generated from the project during periods of the day or night when there is a minimum of or no public activity.
- The Contractor shall be responsible to provide security for any and all of his equipment left in or around the project area.
- There may be other construction project activities at the facility during the execution of this project. Coordinate and perform the work specified in this project so as not to interfere with other aforementioned projects at the facility.
- Use of keys to the building and rooms, use of parking area location and use of toilet facilities within the facility shall be coordinated with the Engineer prior to any work to commence.
- Contractor to lock entrance to the work area at the end of each shift to prevent unauthorized entry.
- Daily abatement inspection and final clearance monitoring to be performed by a Consultant of the State. Clearance samples shall be in accordance with 40CFR163, AHERA and analyzed by phase contrast microscopy (PCM) in accordance with NIOSH Method 1400.

CAREFULLY REMOVE EXISTING SURFACE MOUNTED ELECTRICAL RACEWAYS TO AVOID DAMAGE TO EXISTING FLOORING TO REMAIN. VERIFY LOCATIONS



LEGEND

- REMOVE AND DISPOSE OF ASBESTOS-CONTAINING MATERIAL (A.C.M.) DOWN TO BARE STRUCTURAL SUBSTRATE, ALL EXISTING FLOORING MATERIAL, MASTIC, BASE AND ADHESIVE TO NEXT FULL COURSE OF TILE
- EXISTING CONSTRUCTION TO BE REMOVED

1 ASBESTOS REMOVAL FLOOR PLAN
HMR-1
SCALE: 1/4" = 1'-0"

PREPARED BY EPA-ACCREDITED
ASBESTOS ABATEMENT
PROJECT DESIGNER

ELAINE A. CHIU
M.E.T.A. INCORPORATED
CERT. #: 7ME04089801PD006
EXPIRATION: APRIL 8, 1999

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HMR-1
ASBESTOS REMOVAL PLAN, NOTES

MAUI DISTRICT
ADMINISTRATION BUILDING
GENERAL OFFICE RENOVATION
PROJECT NO. HWY-M-04-98M
SCALE: AS NOTED DATE: 5/28/98

SHEET No. 1 OF 1 SHEETS

"AS-BUILT"