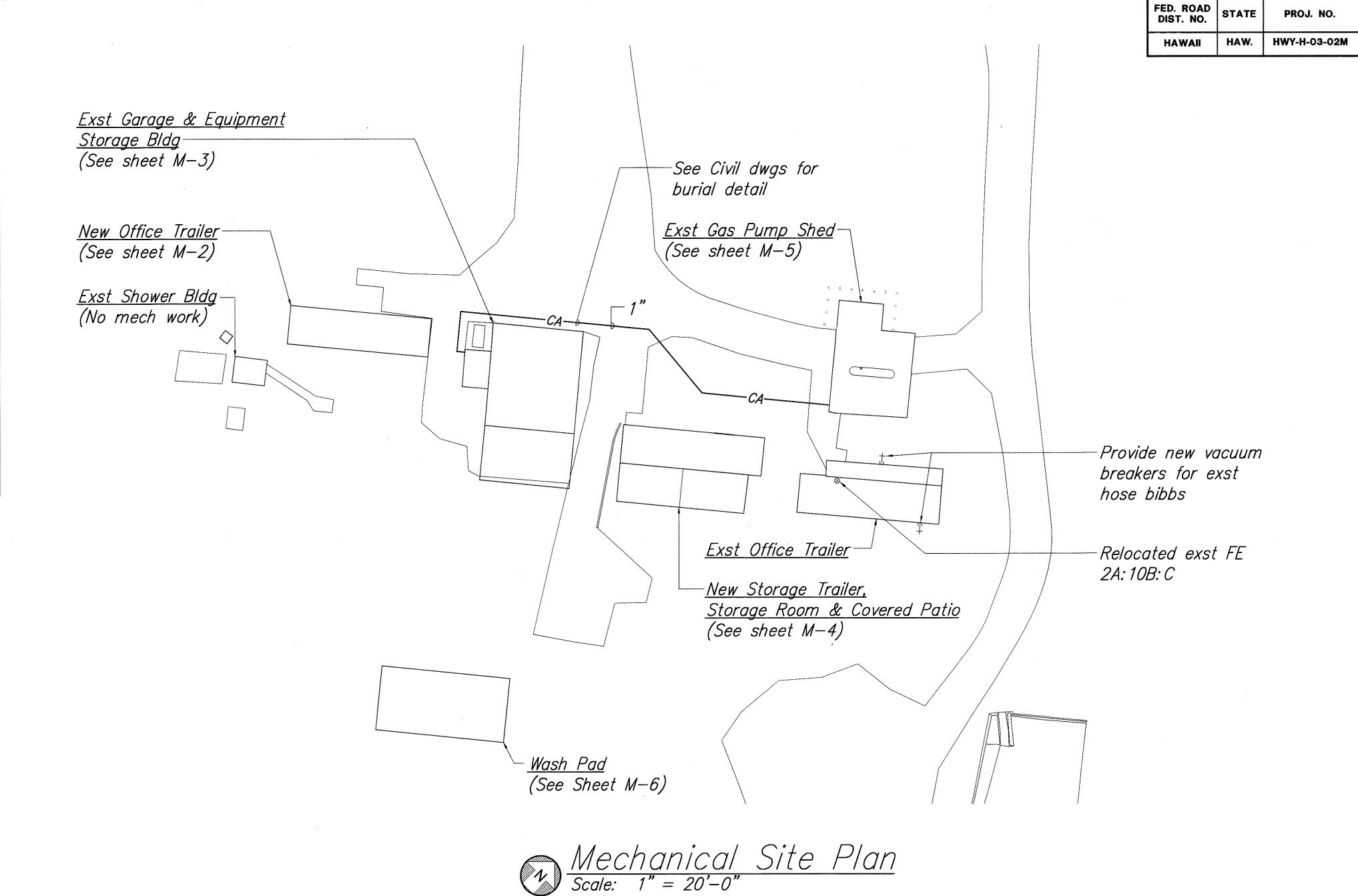
L	egend &	& Abbreviations
Symbols	Abbreviations	Description
	AFF	Above Finished Floor
· · · · · · · · · · · · · · · · · · ·	A-LAV	Accessible Lavatory
	A-WC	Accessible Water Closet
		Ball Valve
	COTG	Cleanout to Grade
	CW	Cold Water
——СА——	CA	Compressed Air
	,	Dielectric Union, Coupling
	FE	Fire Extinguisher
──────		Gate Valve
	HB	Hose Bibb
	NC	Normally Closed
	POC	Point of Connection
-	S or W	Sanitary or Waste Piping
SD	SD	Storm Drain
	VT	Vent





- 1. The installation shall comply with the building code of Hawaii County, Uniform Building Code, Uniform Plumbing Code, Fire Department regulations, the regulations of the Department of Health of the State of Hawaii, OSHA and all government agencies having jurisdiction over work.
- 2. The installation shall comply with provisions of Article B, Energy Conservation Code for the State of Hawaii and the Uniform Plumbing Code, for water conservation.
- 3. Contractor shall coordinate work with other trades and field conditions affecting or affected by this installation. Should conflicts occur, the engineer shall be notified immediately.
- 4. Provide dielectric connections at all ferrous to copper connections.

- 5. No asbestos or lead containing materials shall be used in this work.
- 6. Contract drawings are essentially diagrammatic, indicating general layout and approximate locations toward establishing the scope of work. They are not intended to be detailed construction working drawings. Reasonable modifications to intended locations and arrangements to suit job conditions shall not constitute basis for requesting additional funds from the State.
- 7. All items shall be new unless noted otherwise.





Scale: As Noted

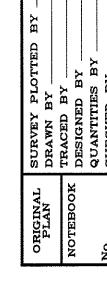
HIGHWAYS DIVISION MECHANICAL SITE PLAN, GENERAL NOTES, LEGEND & **ABBREVIATIONS**

STATE OF HAWAI'I

DEPARTMENT OF TRANSPORTATION

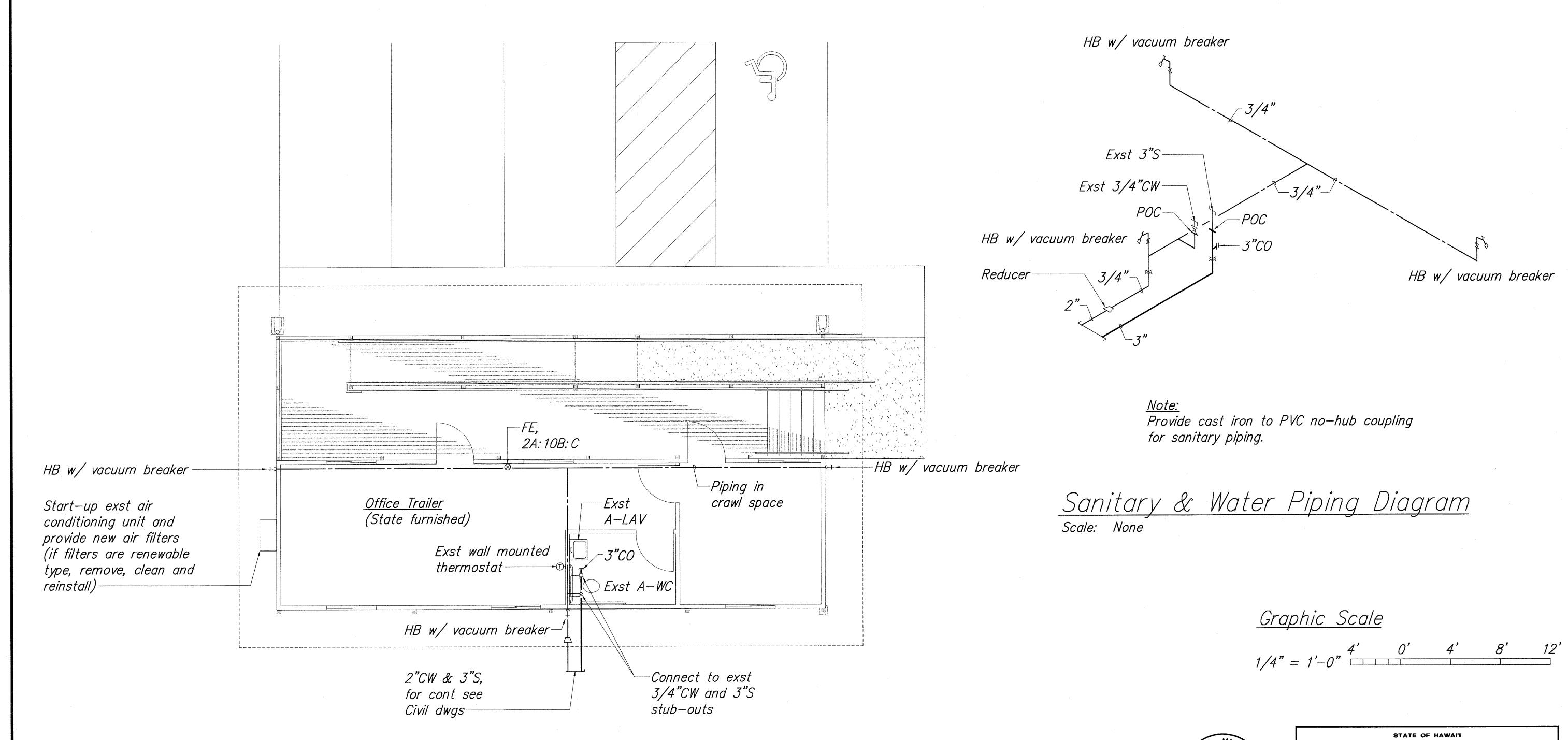
NAALEHU BASEYARD RENOVATIONS Project No. HWY-H-03-02M Date: APRIL 2003

SHEET No. M-1 OF M-8 SHEETS



FISCAL SHEET TOTAL YEAR NO. SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-03-02M	2003	38	53



New Office Trailer (Deductive Bid Alternate)

Scale: 1/4" = 1'-0"

Scale: As Noted

EXPIRATION DATE: APRIL 30, 2004

SHEET N

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STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

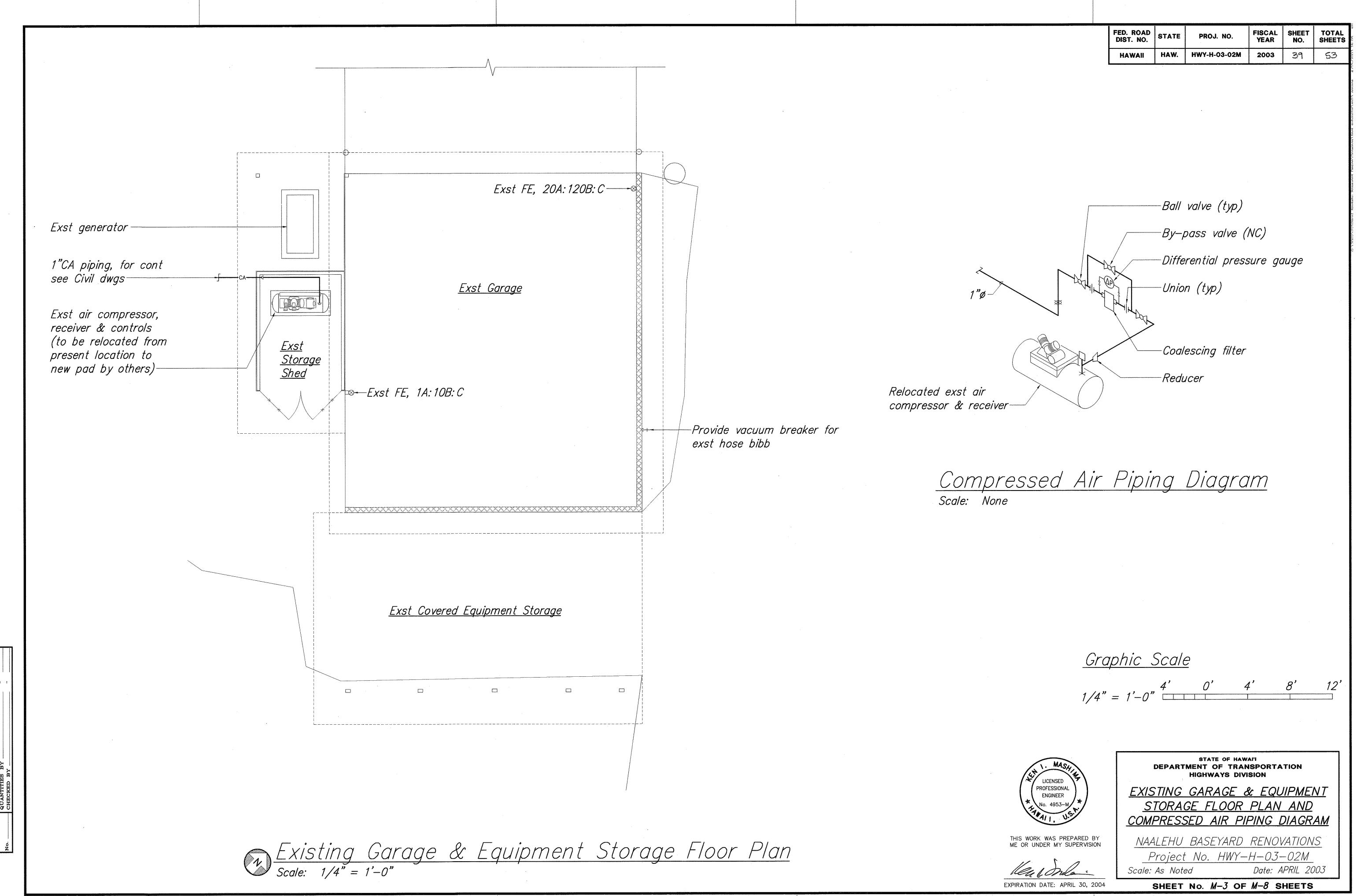
<u>NEW OFFICE TRAILER,</u> <u>SANITARY AND WATER</u> <u>PIPING DIAGRAM</u>

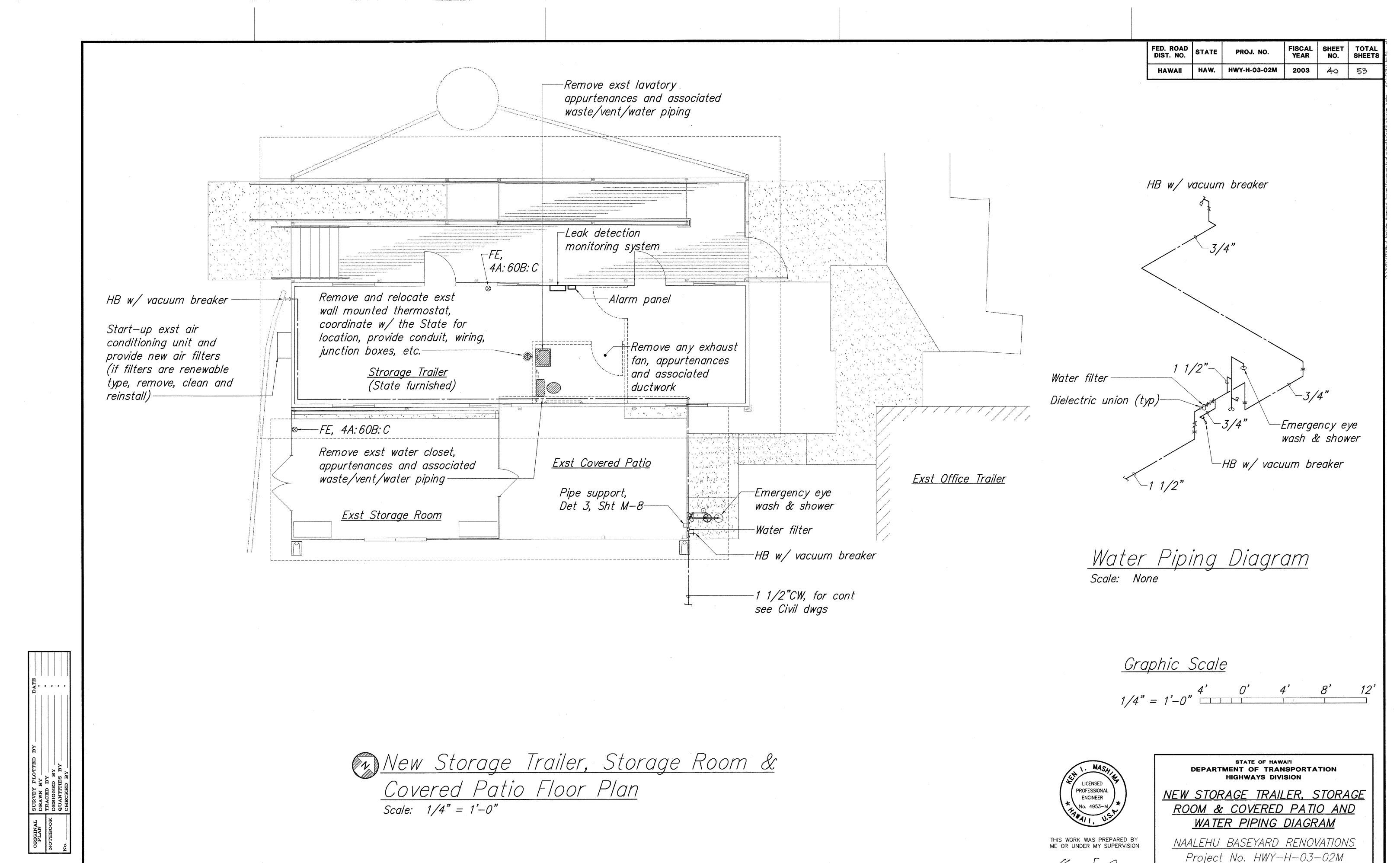
NAALEHU BASEYARD RENOVATIONS

Project No. HWY—H—03—02M

Scale: As Noted Date: APRIL 2003

SHEET No. M-2 OF M-8 SHEETS





40

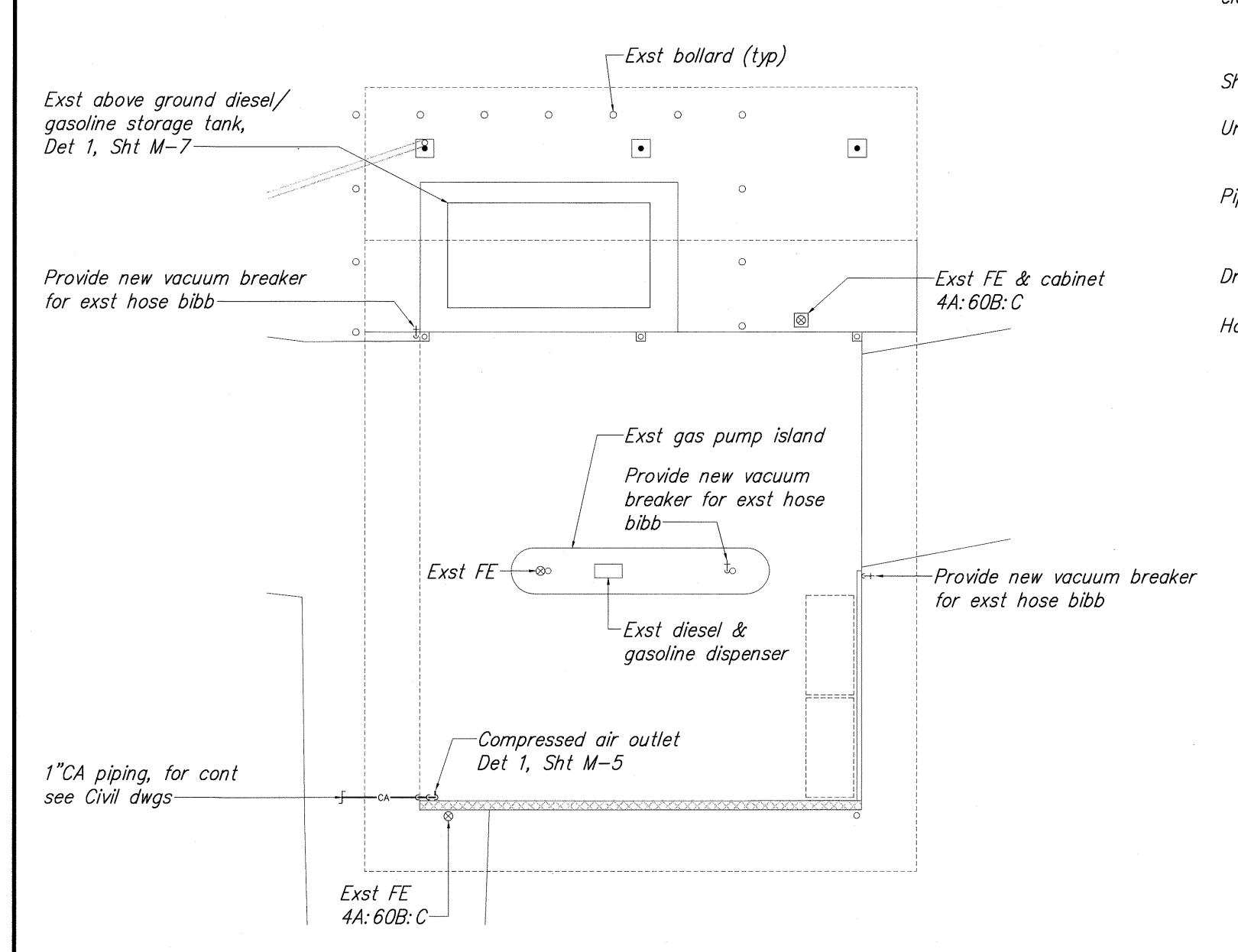
SHEET No. M-4 OF M-8 SHEETS

Scale: As Noted

EXPIRATION DATE: APRIL 30, 2004

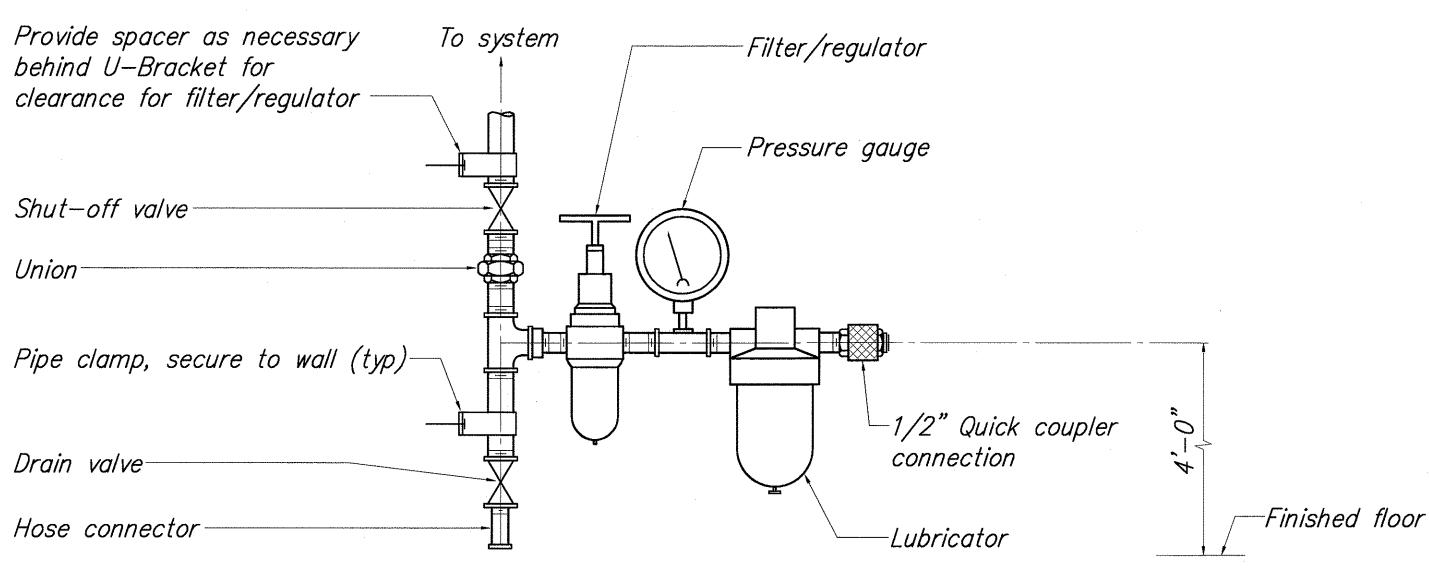
Date: APRIL 2003

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-H-03-02M	2003	40	53

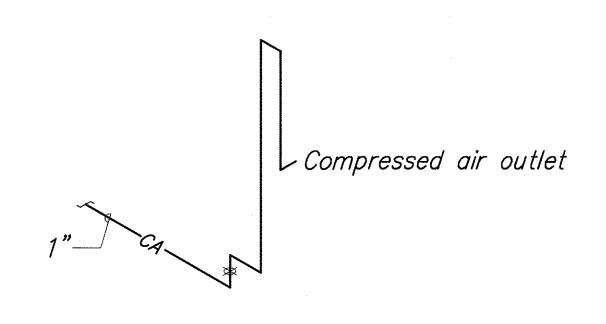


Gas Pump Shed Floor Plan

Scale: 1/4" = 1'-0"



Compressed Air Connection Detail



<u>Note:</u> Provide U-Brackets to attach piping to CMU wall.

Compressed Air Piping Diagram Scale: None



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DEPARTMENT OF TRANSPORTATION

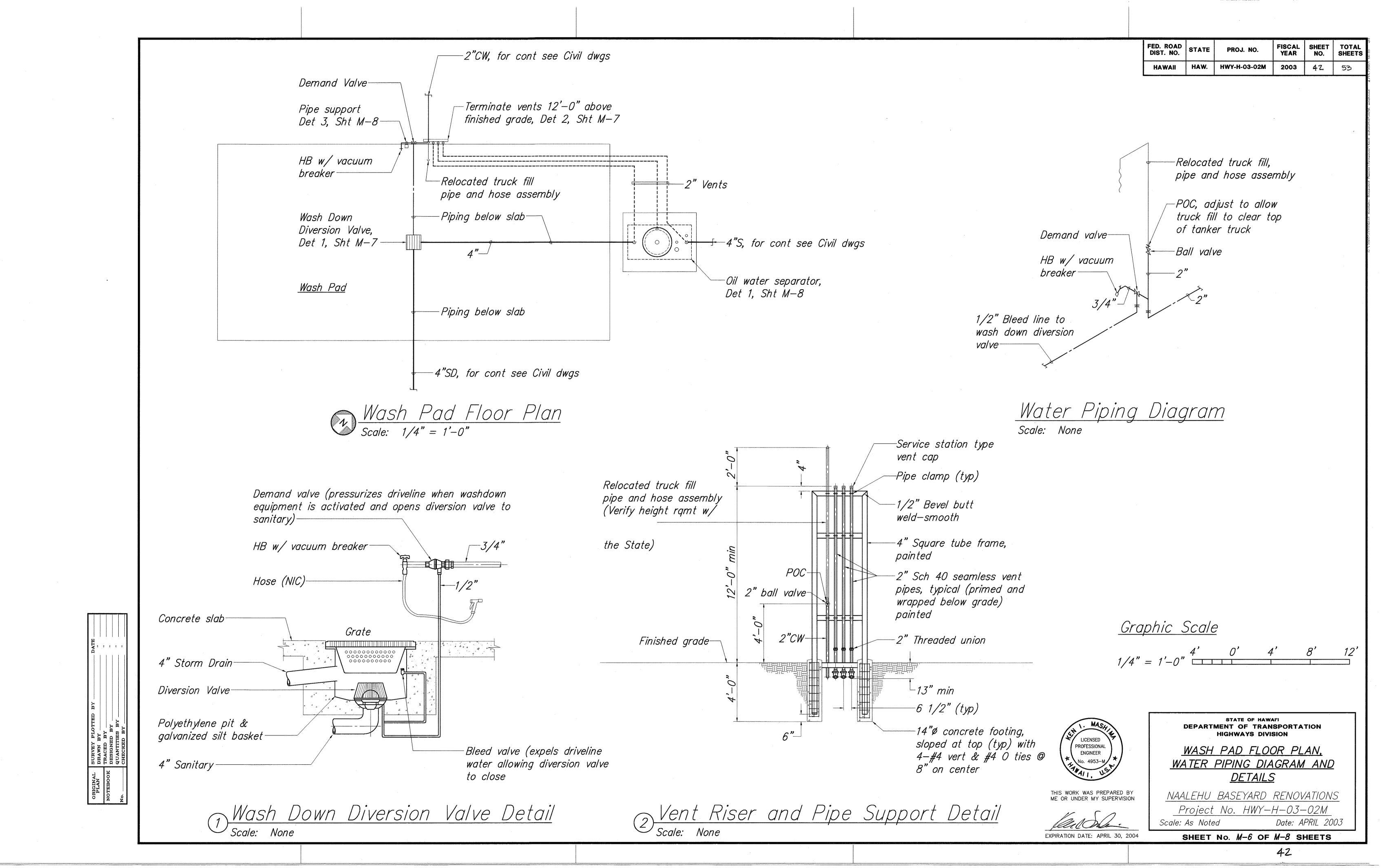
GAS PUMP SHED FLOOR PLAN, COMPRESSED AIR PIPING DIAGRAM AND DETAIL

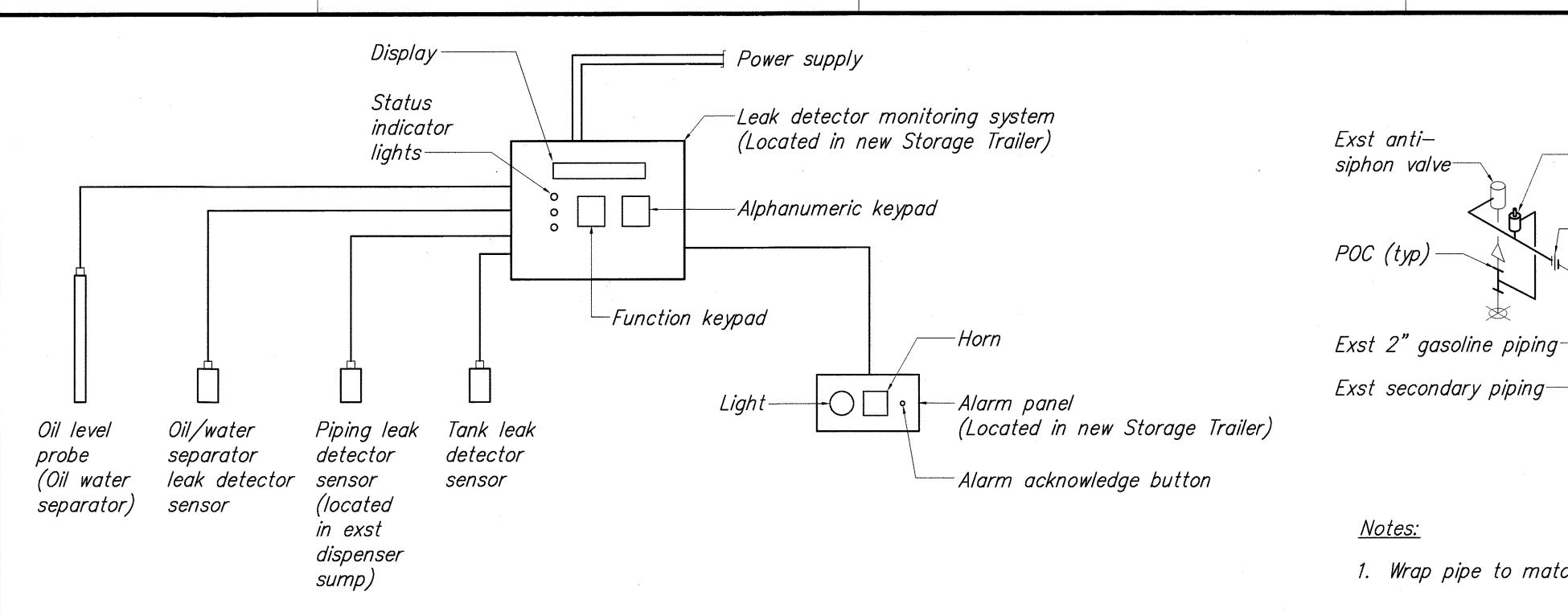
NAALEHU BASEYARD RENOVATIONS Project No. HWY-H-03-02M

Date: APRIL 2003 Scale: As Noted SHEET No. M-5 OF M-8 SHEETS

Graphic Scale

1/4" = 1'-0" 4' 8' 12'





FED. ROAD DIST. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS PROJ. NO. HAW. HWY-H-03-02M 2003 43 HAWAII Exst antisiphon valve--New pressure relief valve -New union POC POC (typ)-Exst 2" diesel piping-

Exst secondary piping-

<u>Notes:</u>

1. Wrap pipe to match existing after completion of pipe modifications.

-New pressure

relief valve

—New union

- 2. Pressure relief valve shall hold even if supply line goes to vacuum condition.
- 3. Pressure relief discharge may relieve back to tank through another tank connection if deemed to be easier to construct.

Gasoline Piping Diagram Scale: None

Diesel Piping Diagram Scale: None

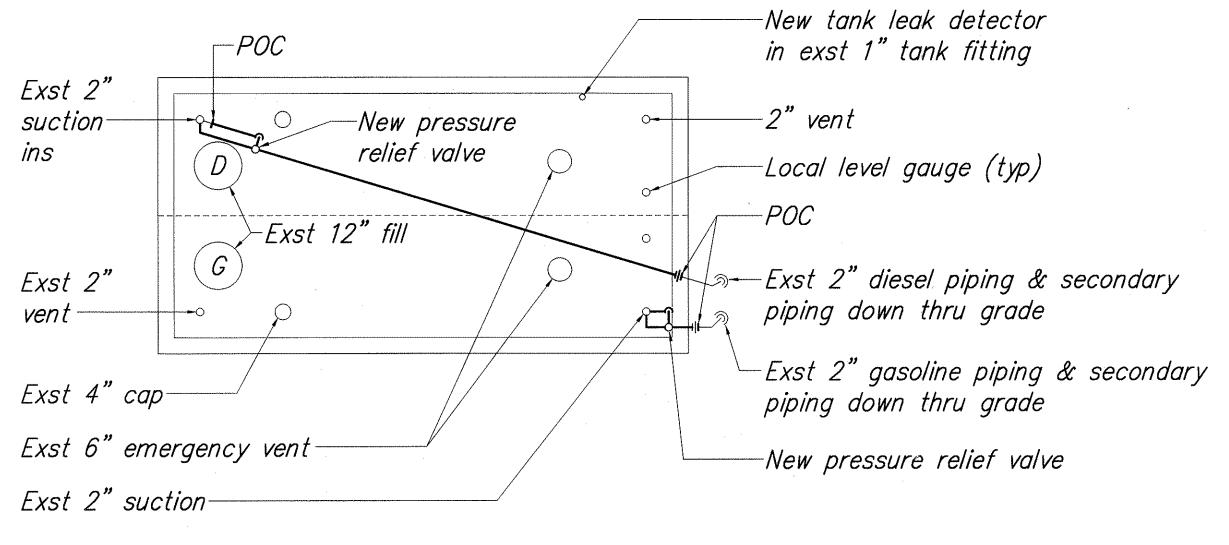
Tank Leak Monitoring System

Scale: None

1. Oil level probe sends signal to monitor indicating waste oil height and temperature.

Tank Leak Monitoring System Schematic Diagram

- 2. Oil water separator, fuel tank and dispenser sump leak detector sensor level switches provide contact closure to monitor.
- 3. Upon high level in oil water separator/above ground tank interstitial space or dispenser sump due to leakage, monitor sends alarm signal to local alarm panel.
- 4. Alarms at alarm panel include audible horn and light. Upon alarm, operator pushes acknowledge button, silencing audible horn. Light remains illuminated until alarm condition is corrected.
- 5. Monitor shall be able to distinguish between oil water separator and fuel storage tanks and shall be capable of displaying same on the panel.



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EXPIRATION DATE: APRIL 30, 2004

Graphic Scale

ABOVE GROUND DIESEL/GASOLINE TANK PLAN, SCHEMATIC & PIPING DIAGRAMS

STATE OF HAWAI'I

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

NAALEHU BASEYARD RENOVATIONS Project No. HWY-H-03-02M Scale: As Noted Date: APRIL 2003

SHEET No. M-7 OF M-8 SHEETS

<u>Above Ground Diesel/Gasoline Tank Plan</u> Scale: 1/2" = 1'-0"

