

JOHN WAIHEE
GOVERNOR



RUSSEL S. NAGATA
COMPTROLLER

JAMES H. YASUDA
DEPUTY COMPTROLLER

RECEIVED

STATE OF HAWAII

DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
DIVISION OF PUBLIC WORKS

LETTER NO. PM-1197.0

P. O. BOX 119, HONOLULU, HAWAII 96810

OFC. OF ENVIRONMENTAL
QUALITY CONTROL

APR 5 1990

Dr. Marvin Miura
Director
Office of Environmental
Quality Control
465 South King Street, Room 104
Honolulu, Hawaii 96813

Dear Dr. Miura:

Subject: Keonepoko (New Pahoia) Elementary School
Water Supply System
Puna, Hawaii
D.A.G.S. Job No. 11-16-3794

Attached for your appropriate action are the following:

1. OEQC Form 89-01 (2/89).
2. Four copies of the Negative Declaration.

If there are any questions, please have your staff call
Harry Lee of our Project Management Branch at 548-3926.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Teuane Tominaga".

TEUANE TOMINAGA
State Public Works Engineer

HL/si
Attach.

1990-04-23 - HA - PEA

FILE COPY

NEGATIVE DECLARATION

FOR THE

RECEIVED

* NEW PAHOA ELEMENTARY SCHOOL
WATER SUPPLY SYSTEM*

APR -6 P1:34

PUNA, HAWAII, HAWAII

OFC. OF ENVIRONMENTAL
QUALITY CONTROL

MARCH, 1990

- A. PROPOSING AGENCY: Department of Accounting and General Services,
State of Hawaii, for the Department of
Education.
- B. APPROVING AGENCY: Not applicable.
- C. AGENCY CONSULTED: Department of Land and Natural Resources,
State of Hawaii
Department of Land Management,
Division of Hilo
Planning Department,
County of Hawaii
Public Works Department,
County of Hawaii
- D. GENERAL DESCRIPTION TECHNICAL, ECONOMIC, SOCIAL AND ENVIRONMENTAL
CHARACTERISTICS:

1. General Description: The Department of Accounting and
General Services proposes to develop a 0.30 MG concrete
reservoir and 19,500 LF of buried transmission water line to
provide fire protection and domestic water needs of the new
Pahoa Elementary School to be constructed in the near future.
2. Technical: The Department of Accounting and General
Services proposes to develop a new 0.30 MG concrete reservoir
at the 720 foot elevation alongside Pahoa-Bypass Road on
25,500 square feet of land owned by the State of Hawaii,
Department of Land and Natural Resources. (See Figure 1.)

The land of the proposed reservoir site is state-owned land
and is designated as an Agricultural District and is zoned as
Agricultural 20 (A-20). The natural ground elevation varies
from 713 feet to an elevation of 723 feet. The approximate
total excavation for the site will be 582 cubic yards. The
excavation will be for the reservoir, approximately 10 feet
wide access roadways, facility piping, rough grading for
proper drainage of surface runoff, and a drainage sump. The
approximate fill for the embankments will be 153 cubic yards.
The reservoir site will be enclosed within a chain link fence
6 feet high with a 14 feet wide drive gate. (See Figure 2
and 3). In addition, the reservoir site will be landscaped

with hibiscus shrubs along the fence perimeter, solitaire palms along the lot frontage and carpet grass throughout the unpaved areas within the fence line.

Also included in the project will be the construction of about 19,500 lineal feet of 12-inch, 8-inch and 6-inch waterline placed underground within existing State and County easements. The pipeline corridor will be from the reservoir site to the proposed location of the new Pahoa elementary school. (See Figure 4).

The project, which will be dedicated to the Department of Water Supply of the County of Hawaii, will be designed in accordance with applicable State and County standards. This will be inclusive of the depth of excavation, bedding and backfill of the proposed trench for the water distribution system. (See Figure 4, 5, & 6).

The proposed reservoir influent will be provided by the existing Department of Water Supply system.

3. Economic: The estimated cost of the project is \$2,500,000.
 4. Social: The project will provide portions of the surrounding community's water needs as well as the fire protection and domestic water requirements of the new Pahoa elementary school.
 5. Environmental: The project will not create any major environmental impact.
- E. SUMMARY DESCRIPTION OF THE AFFECTED ENVIRONMENT, INCLUDING SITE MAPS: The reservoir site is situated approximately 2,300 feet southwest of the Keaau-Pahoa and Pahoa Bypass Road intersection on 25,500 square feet of state-owned land. The pipeline corridor will be within existing State and County easements along Pahoa Bypass Road, Keaau-Pahoa Road and Kahakai Boulevard. (See Figure 4).
- F. DISCUSSION OF THE ASSESSMENT PROCESS: The following assessments are made to determine whether or not the anticipated effects constitute a "significant effect":
1. The proposed action will not involve an irrevocable commitment to loss or destruction of any natural or cultural resource.
 2. The proposed action will not curtail the range of beneficial uses of the environment.
 3. The proposed action will not conflict with the State's long-term environmental policies.

4. The proposed action will not substantially affect the economic or social welfare of the community or State.
 5. The proposed action will not involve substantial secondary impacts, such as population changes or effects on public facilities.
 6. The proposed action will not involve a substantial degradation of environmental quality.
 7. The proposed action will not substantially affect any rare, threatened or endangered species of flora or fauna or habitat. No endangered species of flora or fauna are known to exist in the project site.
 8. The proposed action will not detrimentally affect air or water quality or ambient noise levels.
 9. The proposed action will not be located in any environmentally sensitive area such as a flood plain, tsunami zone, erosion-prone area, geologically hazardous land, estuary, fresh water, or coastal waters.
- G. SUMMARY OF MAJOR IMPACTS: From the above assessment, no major adverse environmental impact is anticipated. The project will result in the following minor adverse impacts:
1. Depletion of labor and material resources for construction.
 2. Some dust, noise and silting during construction.
- H. ALTERNATIVES CONSIDERED: The "no action" alternative was considered but deemed to be unacceptable. The new Pahoa elementary school requires this project to meet its fire protection and domestic water needs.
- I. PROPOSED MITIGATION MEASURES: The temporary dust, noise and silting which would occur during construction will be controlled by application of appropriate pollution control measures.
- J. DETERMINATION: It is determined that an Environmental Impact Statement should not be required for this project.
- K. FINDINGS AND REASONS SUPPORTING DETERMINATION: The project site is generally free of flood, tsunami, erosion, and landslide hazards. No rare or endangered species of flora are known to exist at the site. There are no recorded archaeological or historical sites within the existing site.

For the reasons cited above, the proposed action will not have any significant effect in the context of Chapter 343, Hawaii Revised Statutes and Section 11-200-12 of the State Administrative Rules.

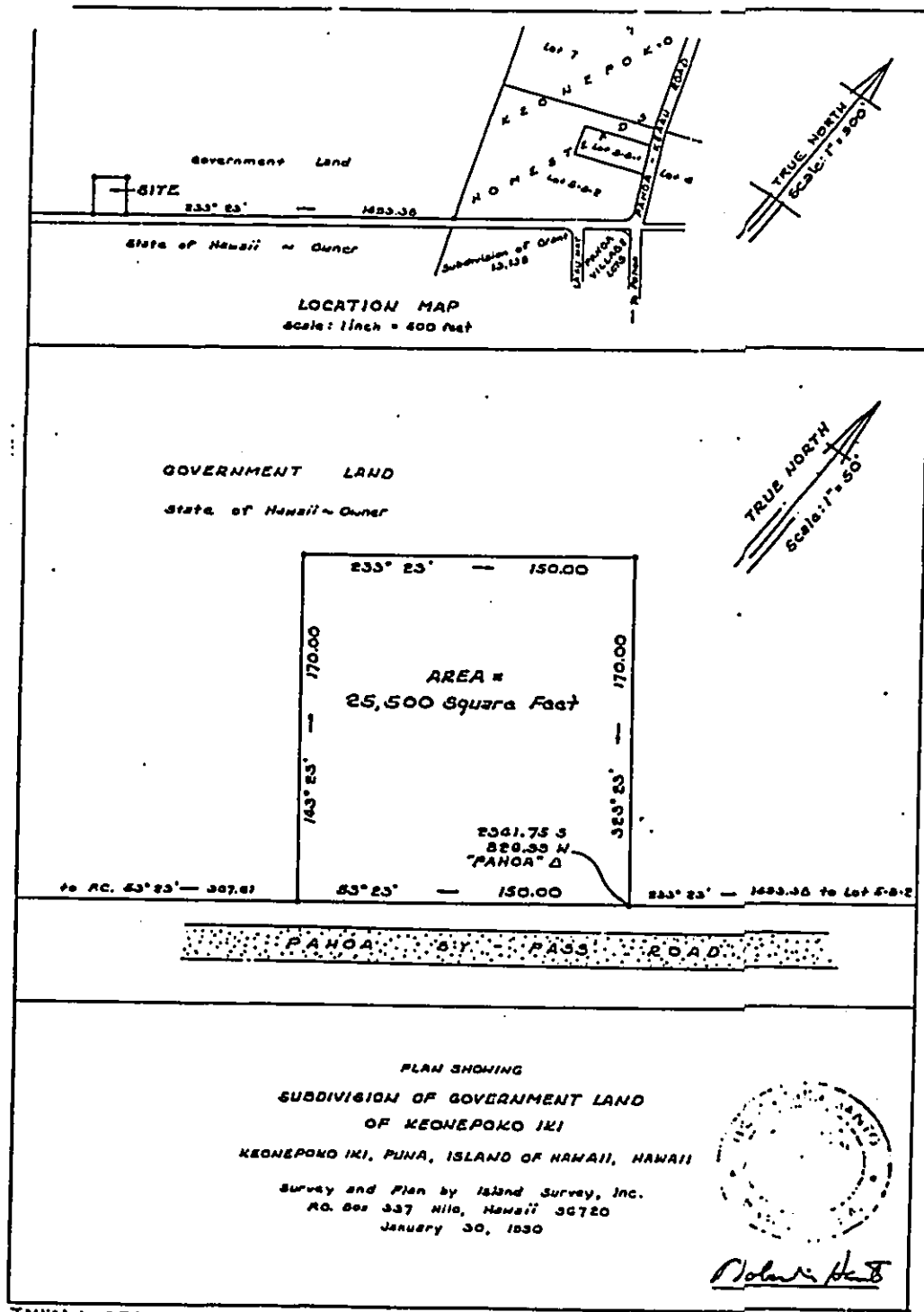


Fig. 1

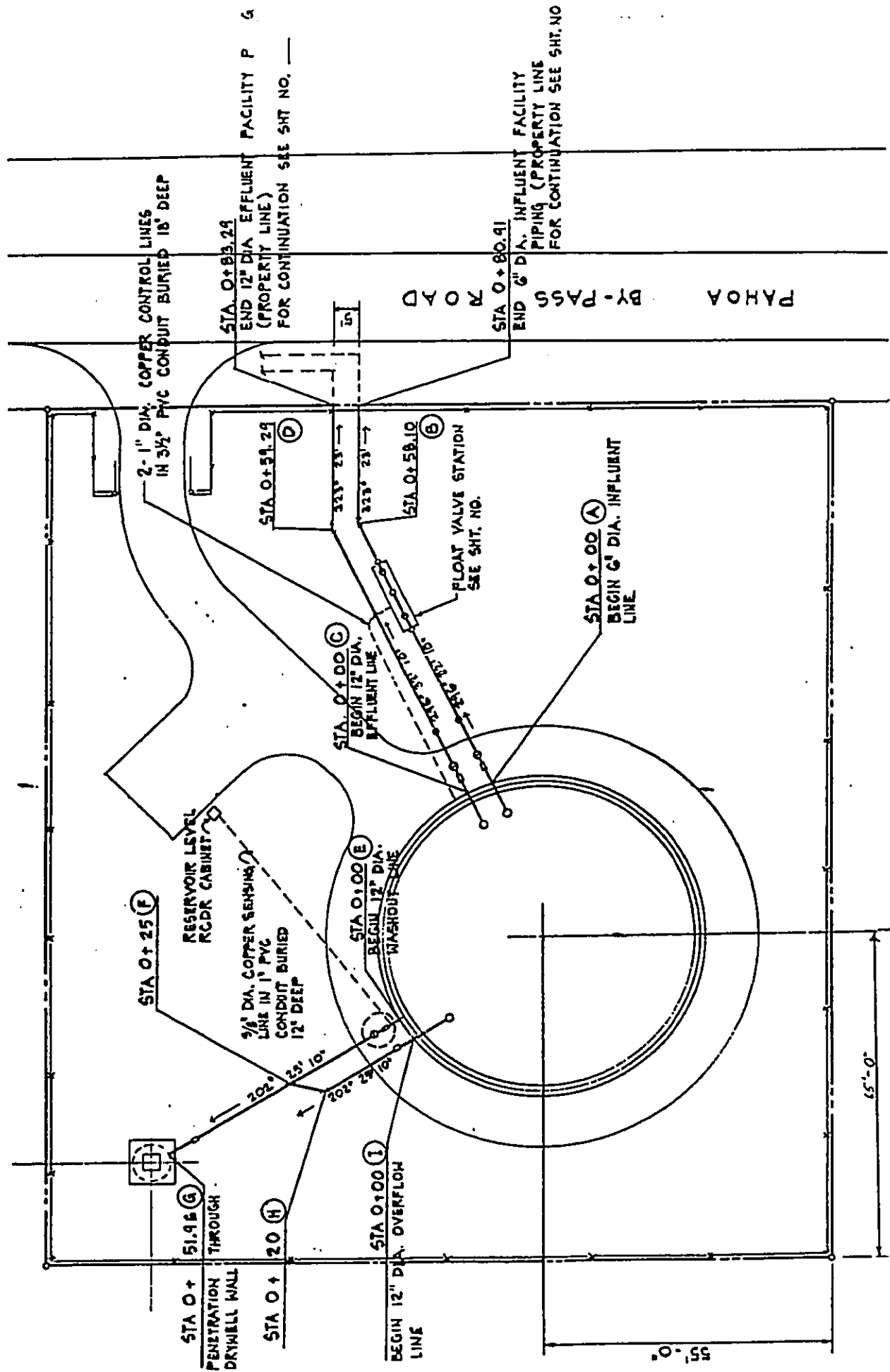


Fig. 3

VICINITY MAP

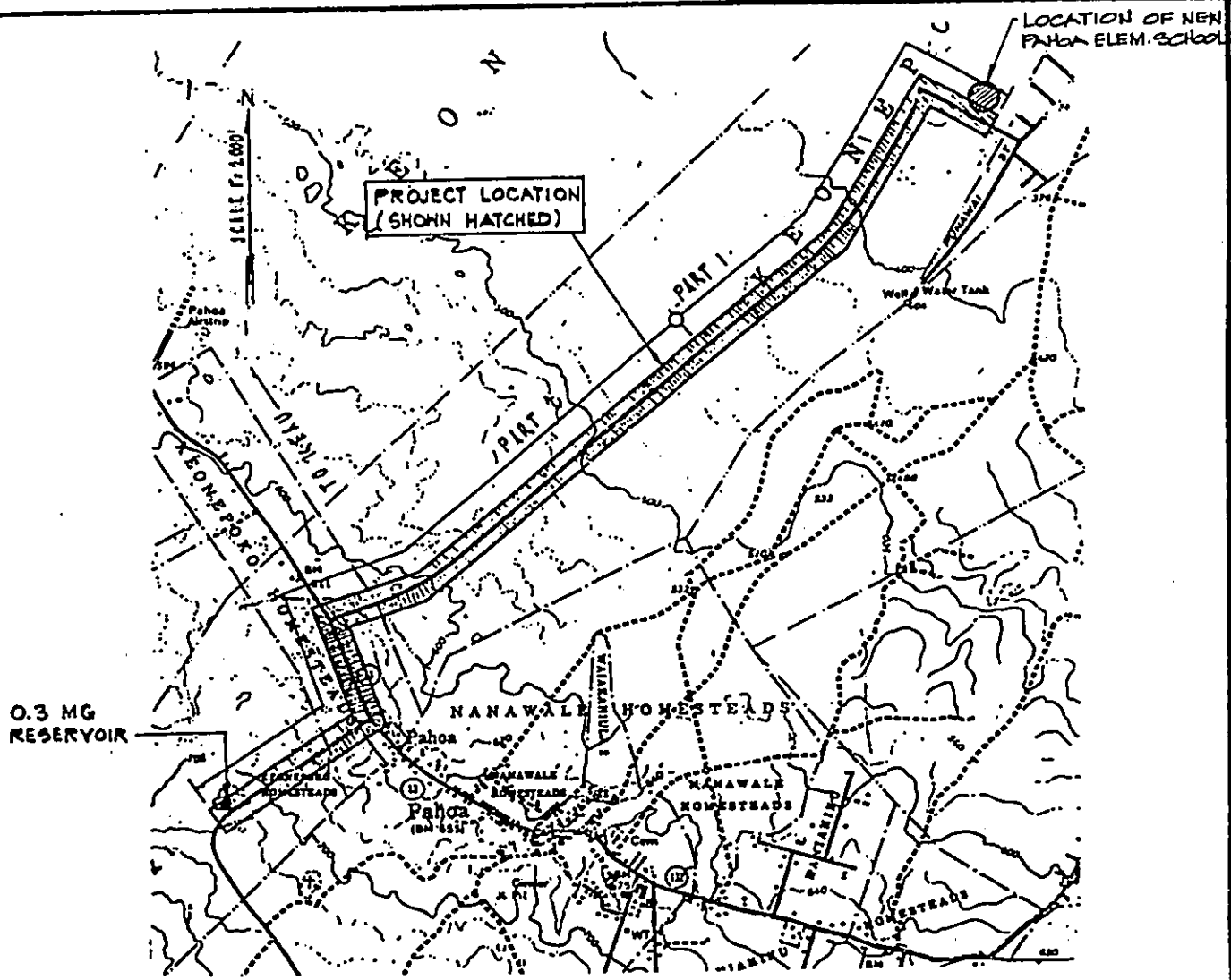
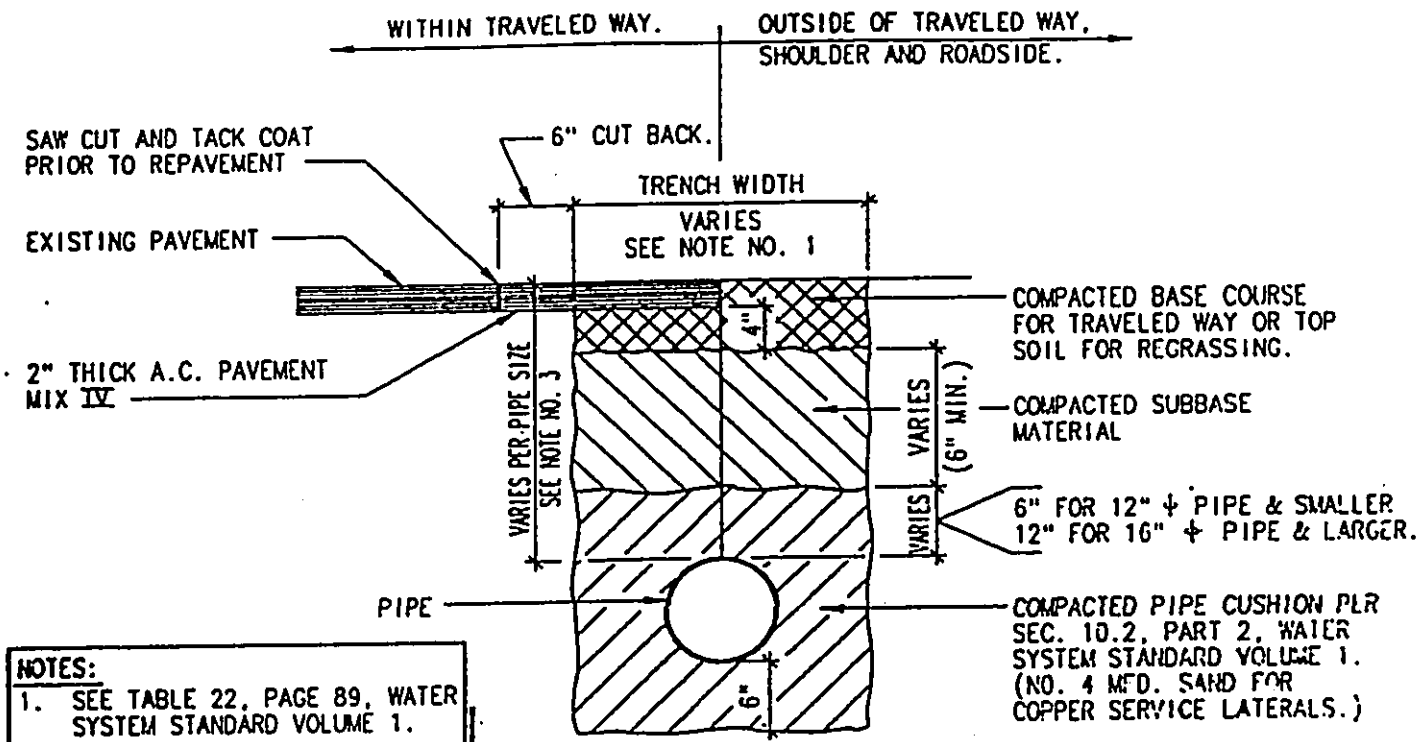


Fig. 4



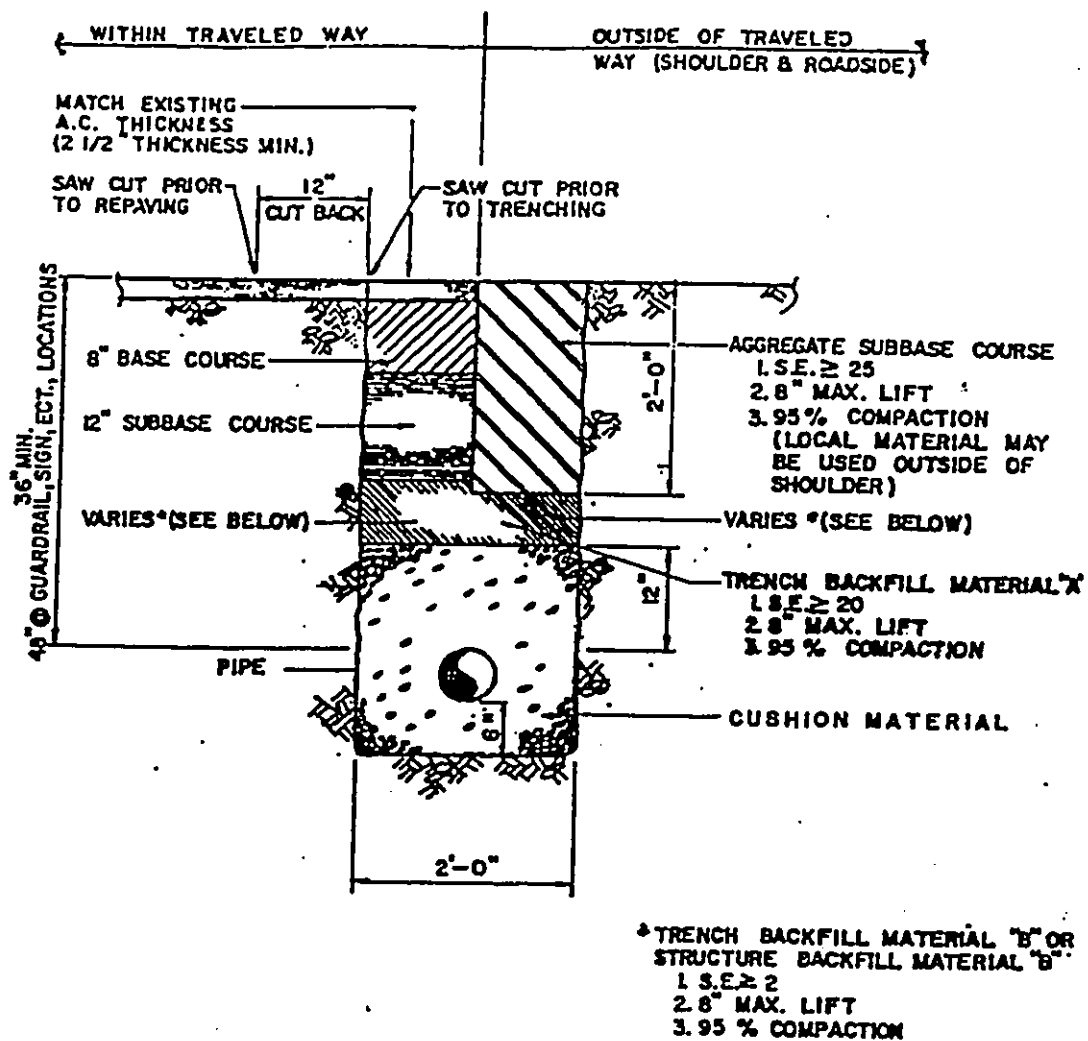
- NOTES:**
1. SEE TABLE 22, PAGE 89, WATER SYSTEM STANDARD VOLUME 1.
 2. LOCAL MATERIAL MAY BE USED OUTSIDE SHOULDER AREA.
 3. SEE TABLE 2, PAGE 2, WATER SYSTEM STANDARD VOLUME 1.

TYPICAL TRENCH AND PAVEMENT REPAIR SECTION
 NOT TO SCALE

PIPE DIAMETER	W	H		
		COUNTY R.O.W	STATE R.O.W	
			AT INTERSECTIONS, SIGNALS, ETC.	ALL OTHER LOCATIONS
4"	24"	22"	52"	40"
6"	24"	27"	54"	42"
8"	24"	32"	56"	44"
12"	24"	42"	60"	48"
16"	30"	52"	64"	52"

TRENCH DETAILS
 NOT TO SCALE

Fig. 5



APPLIES TO ALL PAVEMENT CROSSINGS

**TRENCH DETAIL WITHIN
STATE HWY. RIGHT-OF-WAY**

(STATE HIGHWAYS)
SCALE 3/4"=1'-0"

Fig. 6