

ESTIMATED EARTH QUANTITIES

Area to be graded	1.4 Acres
Excavation	1,130 Cu.Yd.
Embankment	80 Cu.Yd.

Earth quantities are estimates & are only for the purpose of obtaining a Grading Permit. The Contractor shall determine his own quantity & bid accordingly. Estimated Earth Quantities do not include concrete slabs on grade, AC pavement & base course.

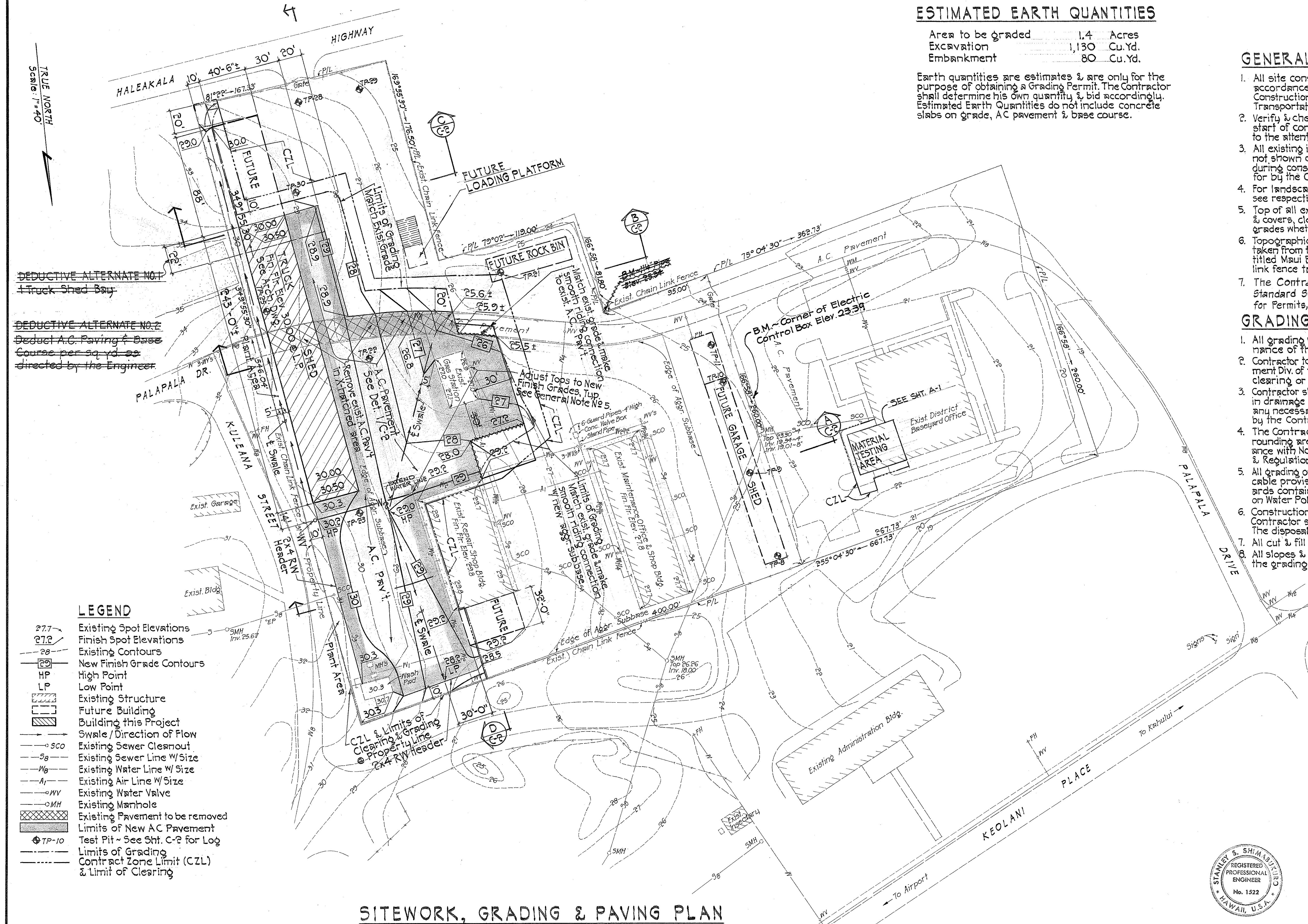
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LT-M-02-79	1981	2	20

GENERAL NOTES

- All site construction work shown on Civil Drwgs. shall be done in accordance with the Standard Specifications for Road and Bridge Construction, 1976, of the Hawaii Highways Division, Department of Transportation, except as modified herein & in the project specs.
- Verify & check all dimensions & details shown on the Plans prior to the start of construction. Any discrepancy shall be immediately brought to the attention of the Engineer for clarification.
- All existing improvements including underground utilities whether or not shown on the Plan shall be protected at all times by the Contractor during construction & any damage to them shall be repaired & paid for by the Contractor.
- For landscaping, sprinklers, water, sewer, building & electrical work, see respective plans.
- Top of all existing utilities & appurtenances including manholes, boxes & covers, cleanouts, etc. that are to remain shall be adjusted to new finish grades whether indicated on the Plans or not.
- Topographic data for project area within existing chain link fence taken from topographic map furnished by State Highways Division titled Maui Baseyard, scale 1"=40'. Topographic data outside chain link fence taken from existing plans.
- The Contractor's attention is directed to Section 107.08 of the Standard Specifications for Road and Bridge Construction, 1976 for Permits, Licenses & Taxes required for the project.

GRADING NOTES

- All grading work shall be done in accordance with the Grading Ordinance of the County of Maui.
- Contractor to obtain a Grading Permit from the Land Use & Code Enforcement Div. of the Dept. of Public Works prior to commencement of any clearing or grubbing. Permit considered incidental to contract.
- Contractor shall remove all silt & debris resulting from his work & deposited in drainage facilities, roadways & other areas. The cost incurred for any necessary remedial action by the Chief Engineer shall be payable by the Contractor.
- The Contractor at his own expense, shall keep the project area & surrounding area free from dust nuisance. The work shall be in accordance with Noise Code Standards & the Air Pollution Control Standards & Regulations of the State Dept. of Health.
- All grading operations shall be performed in accordance with the applicable provisions of the Water Pollution Control & Water Quality Standards contained in the Public Health Regulations, State Dept. of Health, on Water Pollution Control & Water Quality Standards.
- Construction debris & wastes shall be deposited at an appropriate site. The Contractor shall inform the Engineer of the location of the disposal site. The disposal site must fulfill the requirements of Grading Ordinances.
- All cut & fill slopes shall be 5:1 maximum.
- All slopes & exposed areas shall be sodded or planted immediately after the grading work has been completed.



DEDUCTIVE ALTERNATE NO. 1
+ Truck Shed Bay

DEDUCTIVE ALTERNATE NO. 2
Deduct A.C. Paving & Base Course per sq. yd. as directed by the Engineer.

LEGEND

- 27.7 Existing Spot Elevations
- 27.2 Finish Spot Elevations
- 28 Existing Contours
- 29 New Finish Grade Contours
- HP High Point
- LP Low Point
- Existing Structure
- Future Building
- Building this Project
- Swale / Direction of Flow
- Existing Sewer Cleanout
- Existing Sewer Line w/ Size
- Existing Water Line w/ Size
- Existing Air Line w/ Size
- Existing Water Valve
- Existing Manhole
- Existing Pavement to be removed
- Limits of New AC Pavement
- Test Pit - See Sht. C-2 for Log
- Limits of Grading
- Contract Zone Limit (CZL)
- & Limit of Clearing

SITWORK, GRADING & PAVING PLAN
Scale: 1"=40'

STANLEY S. SHIMAMOTO
REGISTERED PROFESSIONAL ENGINEER
No. 1522
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Stanley S. Shimamoto

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITWORK, GRADING & PAVING PLAN AND NOTES

MAUI DISTRICT BASEYARD
PHASE III

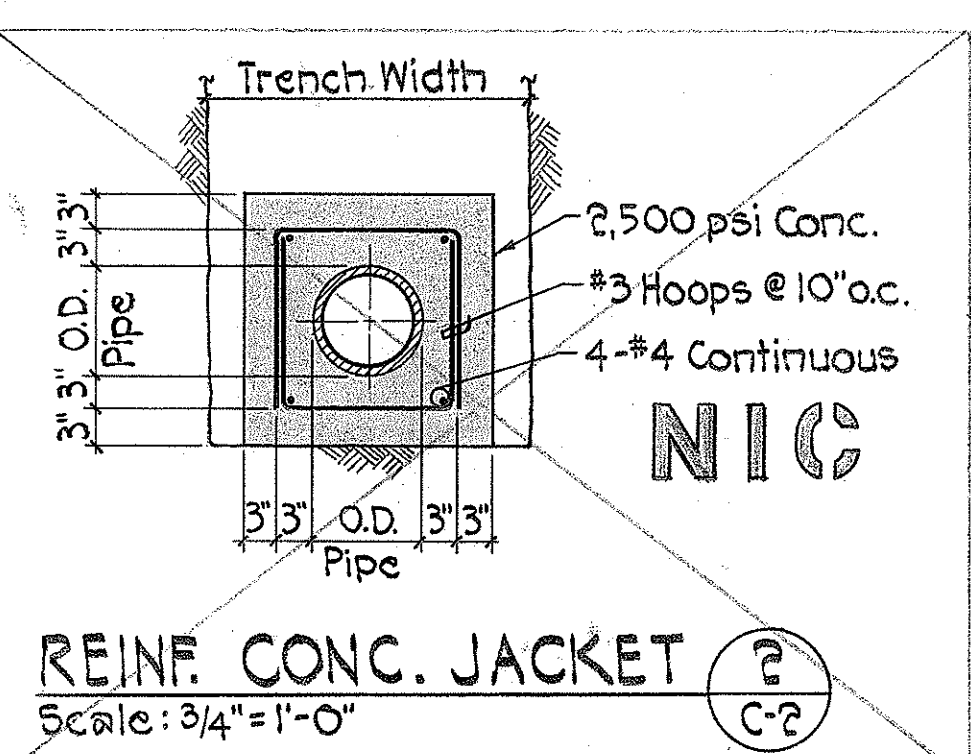
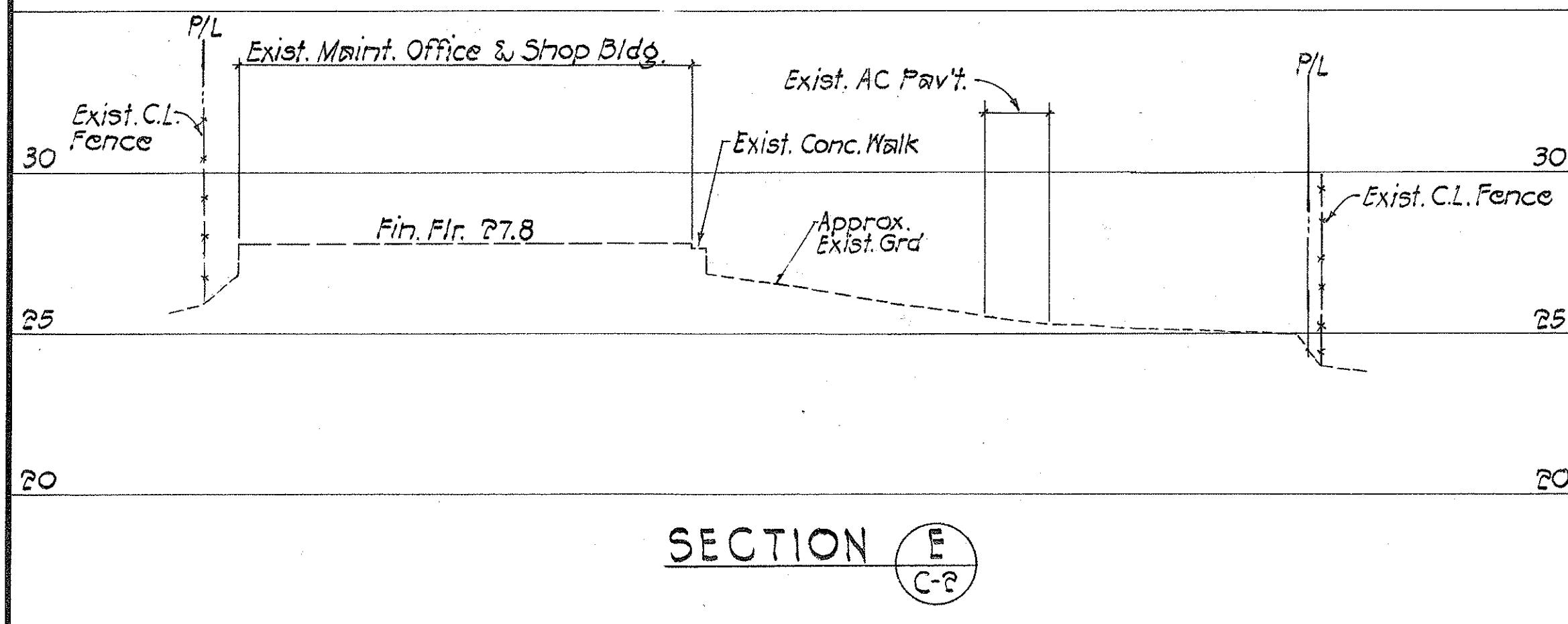
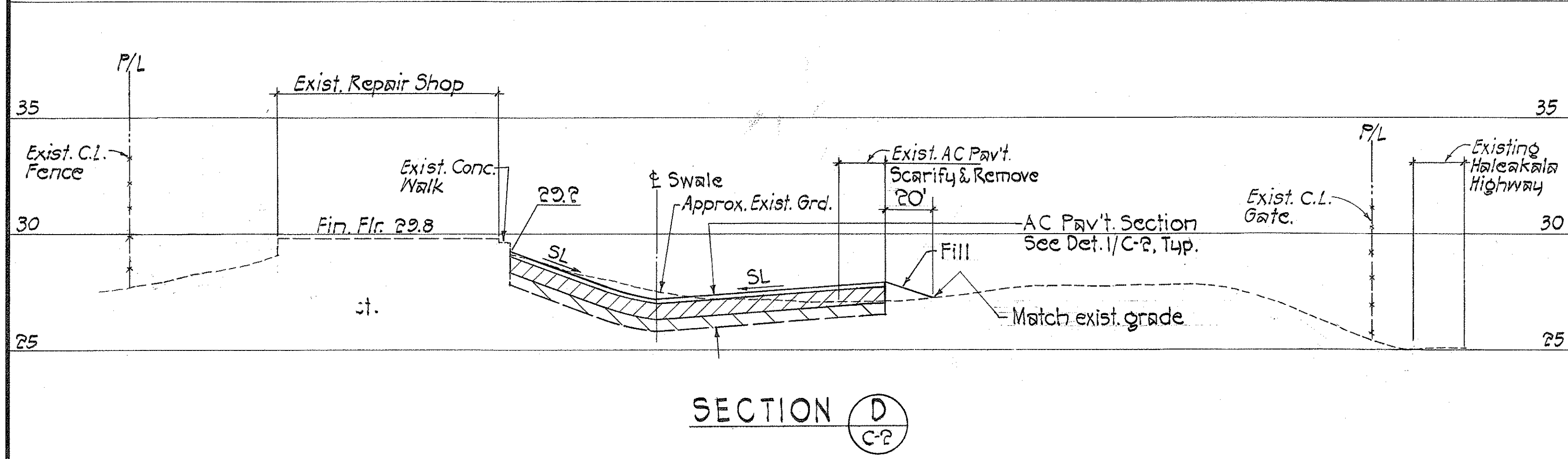
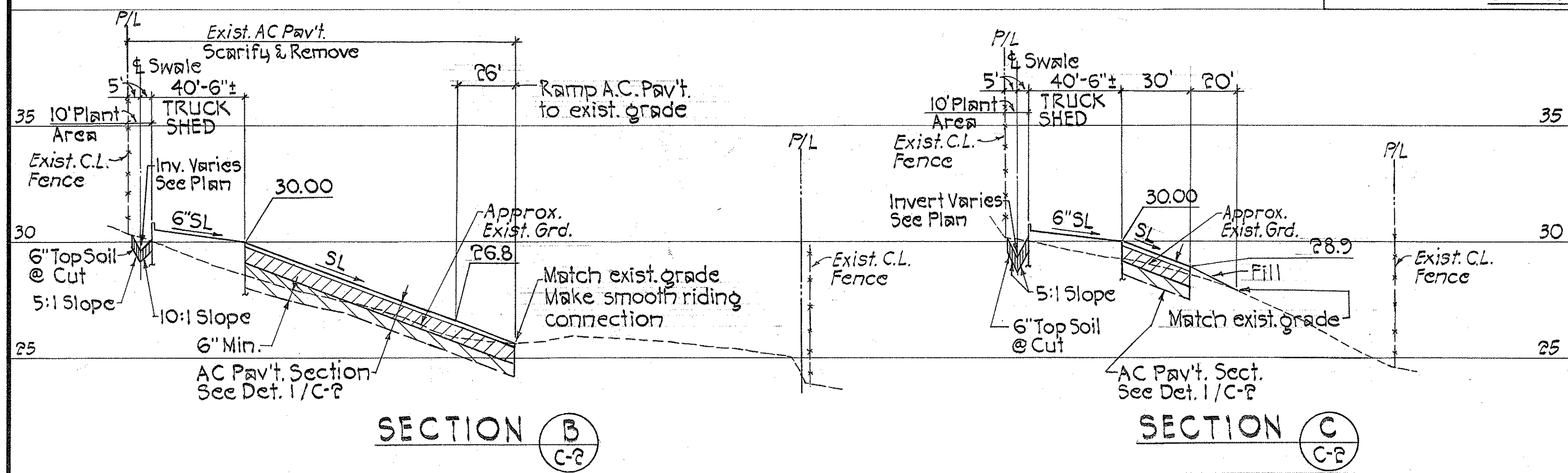
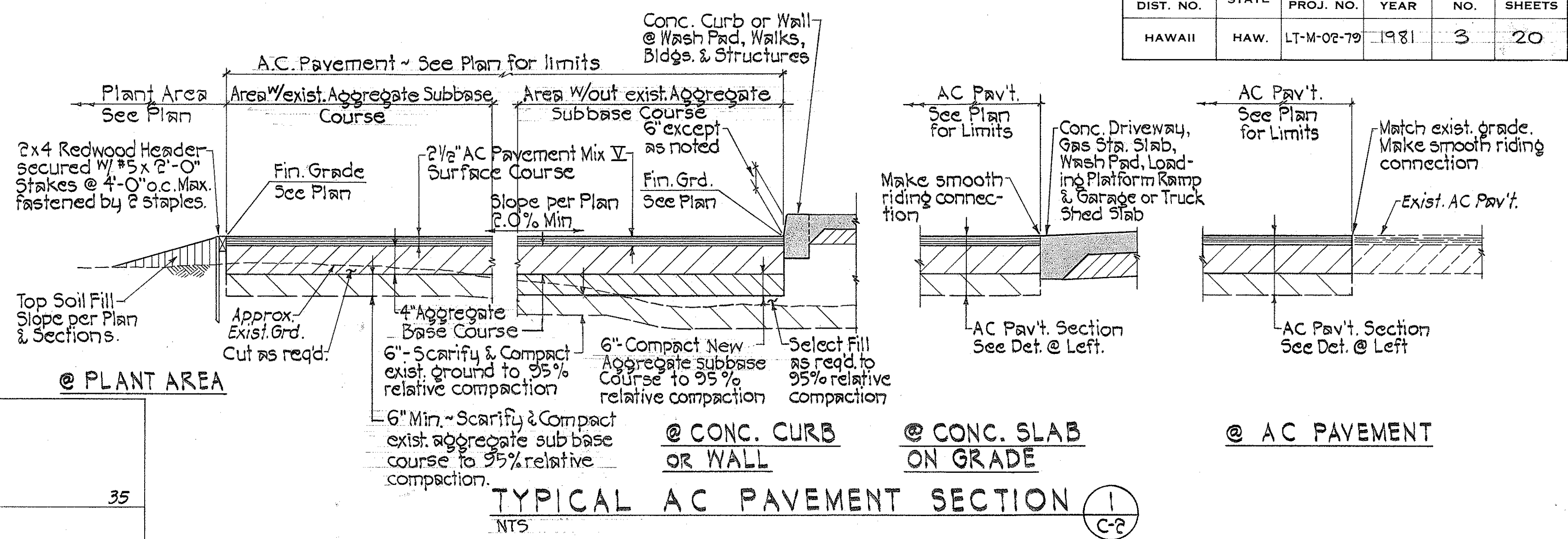
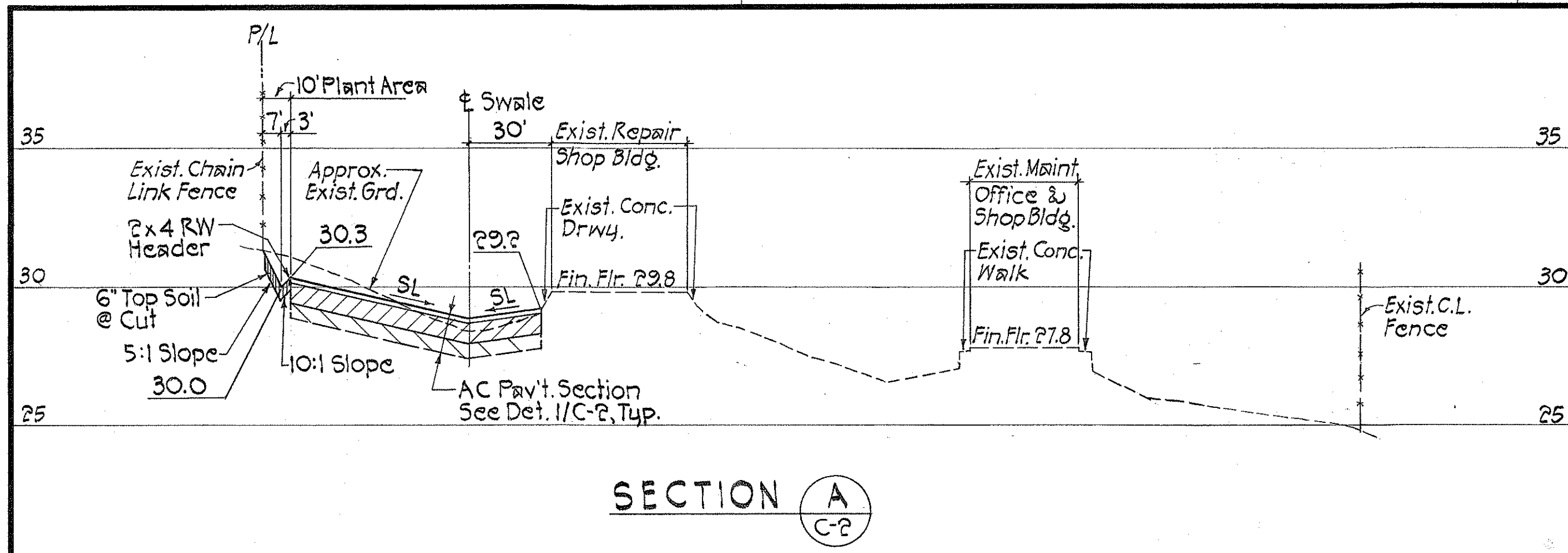
KAHULUI, MAUI, HAWAII
PROJECT NO. LT-M-02-79
NISHIMURA, OKI & SANTO, INC. APRIL, 1981

SHEET NO. C-1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

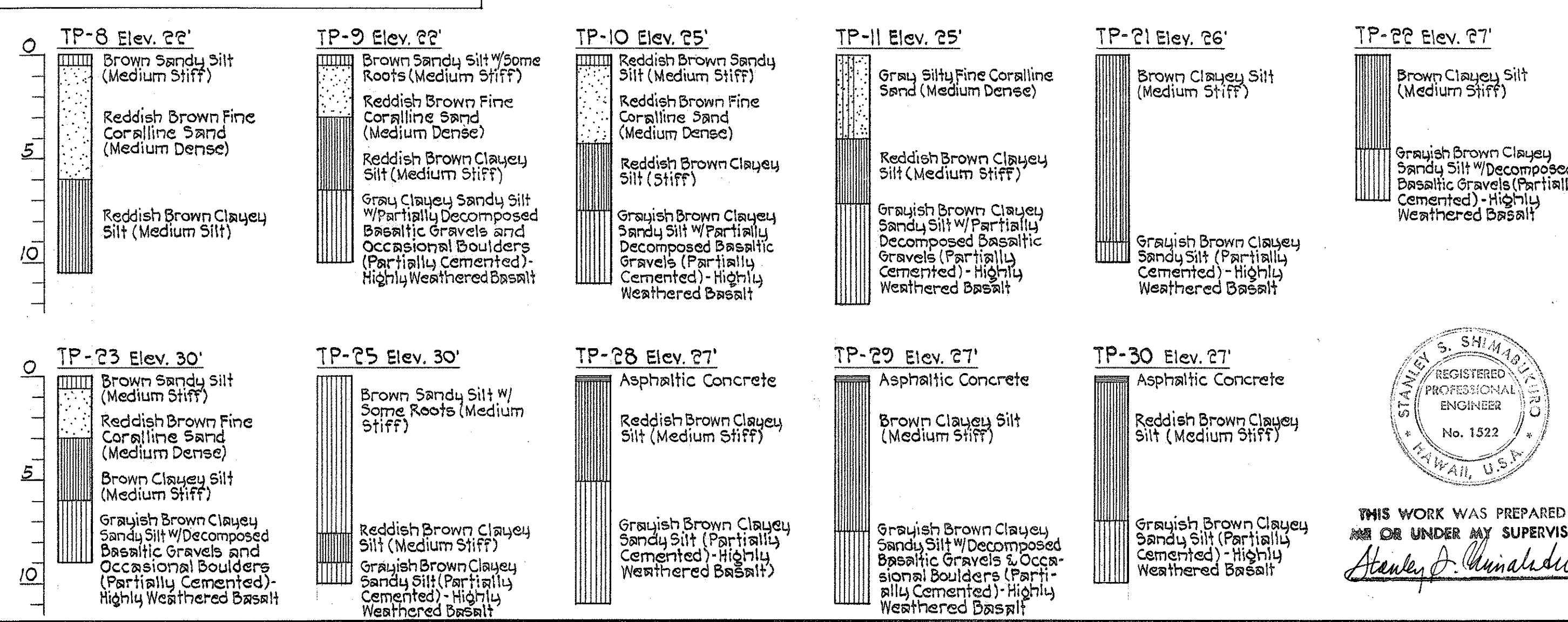
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LT-M-02-79	1981	3	20



- ### TEST PITS NOTES
1. Foundation Investigation for the project site prepared by Dames & Moore dated April 18, 1978 including log of all test pits are available at the Dept. of Transportation for the Contractor's inspection & review.
 2. The log of 11 test pits shown on this drawing represents only the opinion of the Department as to the character of the material encountered in the test pits & the elevations existing at the time of the investigation.
 3. The logs are included only for the convenience of the Contractor who shall make his own interpretations thereof & bid accordingly.

LOG OF TEST PITS



SITE SECTIONS

Scale: Horiz. 1" = 40', Vert. 1" = 4'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

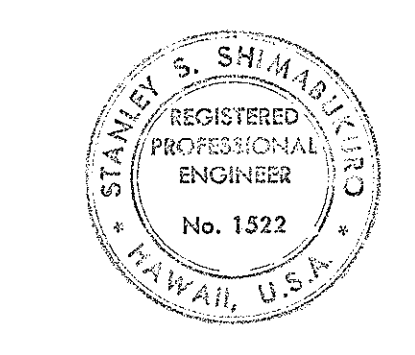
SITWORK SECTIONS & DETAILS AND
LOG OF TEST PITS

PHASE III
MAUI DISTRICT BASEYARD

KAHULUI, MAUI, HAWAII
PROJECT NO. LT-M-02-79
NISHIMURA, OKI & SANTO, INC. APRIL, 1981

SHEET NO. C-2 OF 2 SHEETS

SURVEY PLOTTED BY: _____
DATE: _____
DRAWN BY: _____
CHECKED BY: _____
NOTE BOOK NO. _____



THIS WORK WAS PREPARED BY
OR UNDER MY SUPERVISION.
Stanley S. Shimada