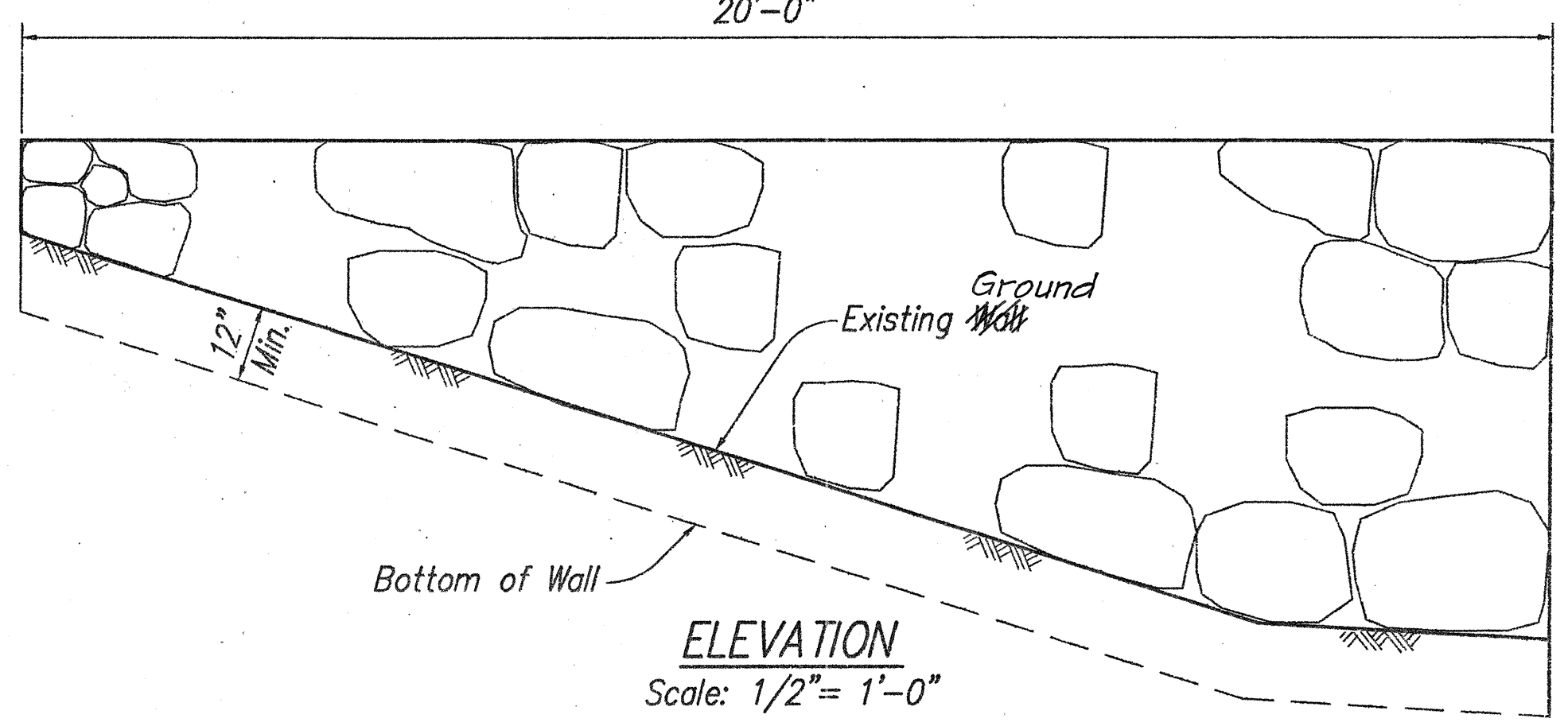
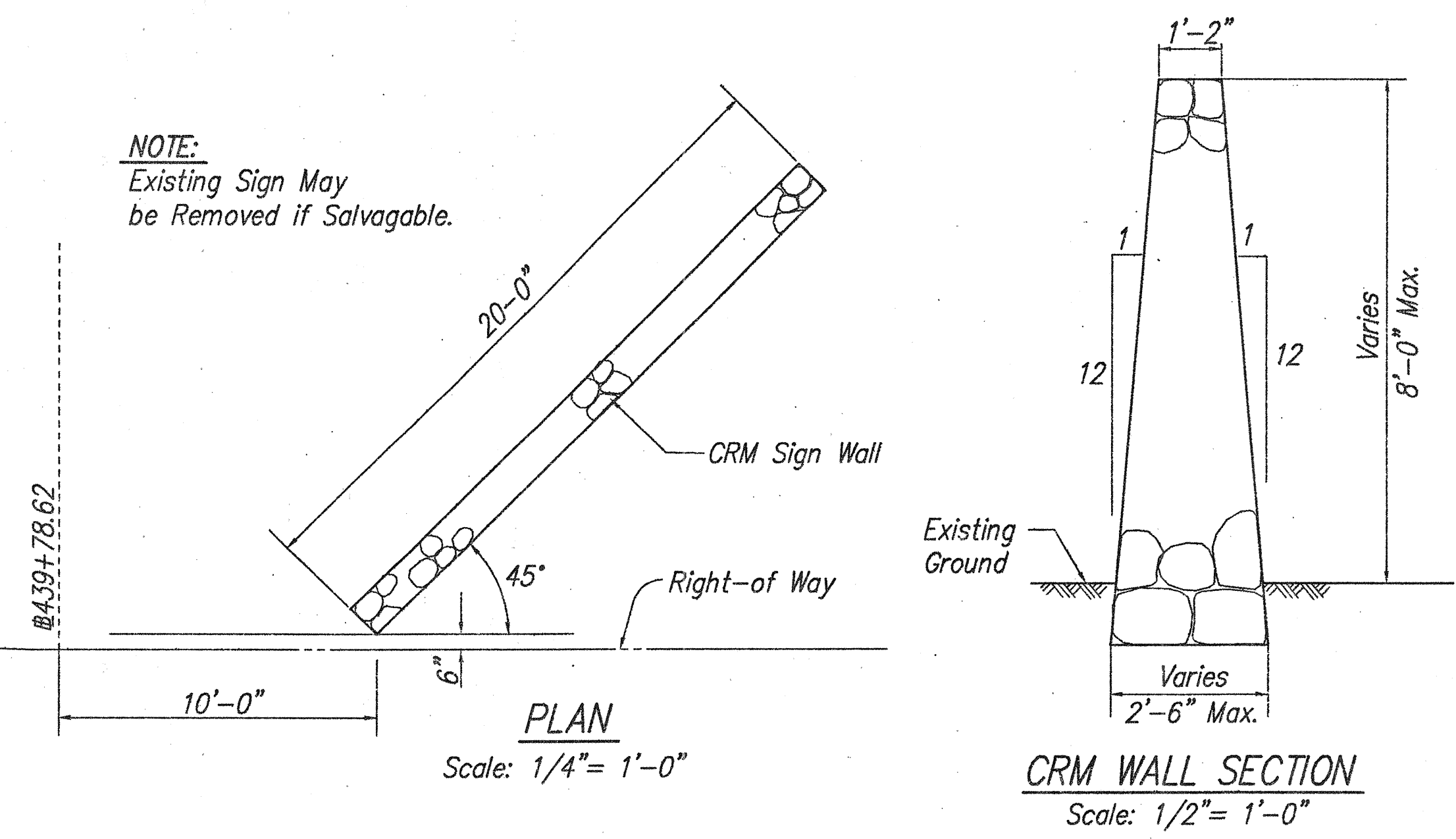


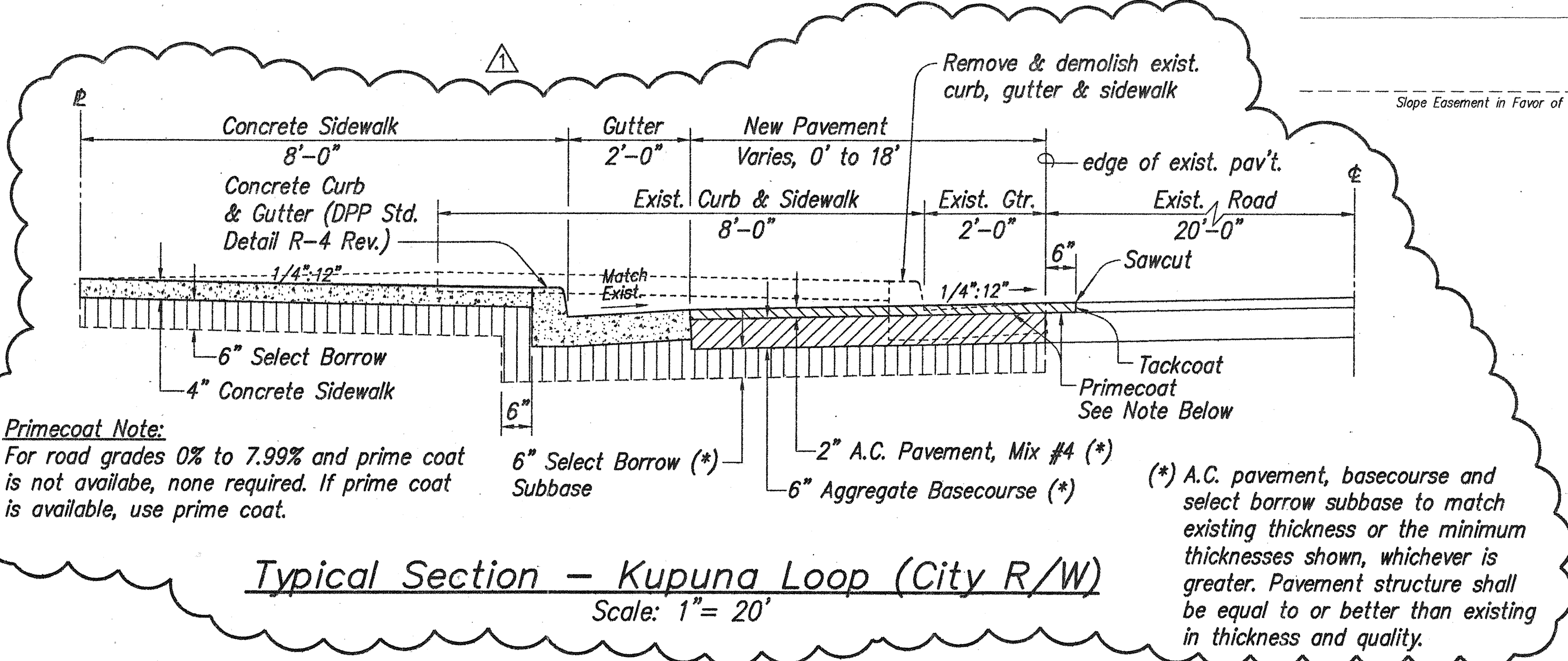
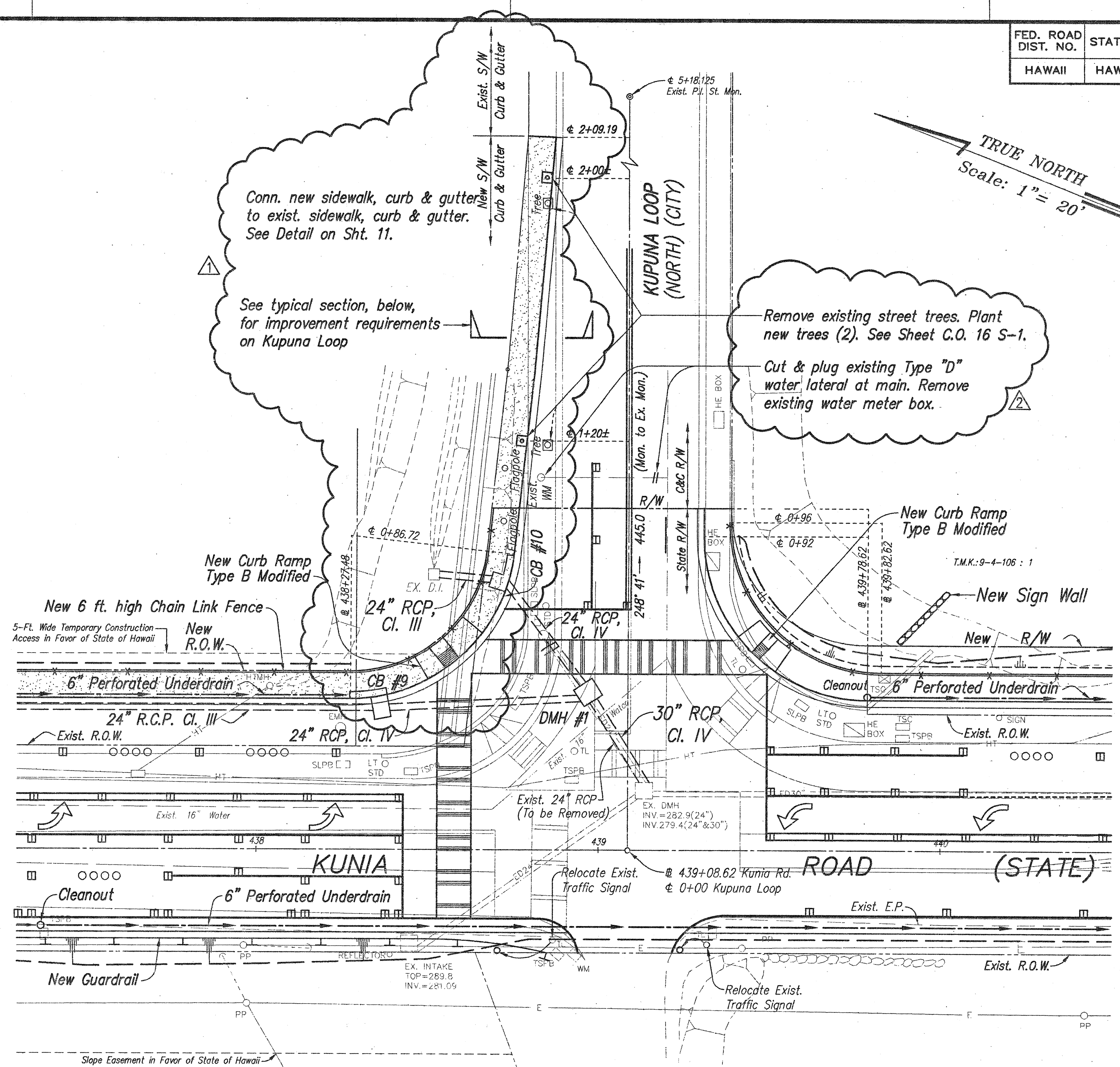
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-STP-0750(10)	1999	16	97

TRUE NORTH
Scale: 1" = 20'

NOTE:
Existing Sign May
be Removed if Salvagable.



KUPUNA LOOP NORTH SIGN WALL DETAIL
Scale: As Shown



NO.	DATE	DESCRIPTION	ENGR.	APPROVED
1	5/30/00	ADDED NOTE TO CUT & PLUG EXISTING TYPE "D" LATERAL AND NOTE TO RELOCATE EXISTING STREET TREES.	G.I.	CO. 6/7/00 B.W.S. 6/2/00 D.P.P.
2	8/04/99	REVISED CURB RETURN AT KUPUNA LOOP (NORTH) AND KUNIA ROAD INTERSECTION, ADDED TYP. SECTION AND NOTES.	G.I.	

APPROVED: *Michael H. BWS*
CHIEF, PLANNING & ENGINEERING, BWS
DATE: 4/26/00

CHIEF, CIVIL ENGINEERING BRANCH, DPP
DATE: 4/3/99

Date	Revision
5/30/00	Added note to cut & plug existing water lateral and note to replace existing street trees.
8/18/99	Revised curb return at Kupuna Loop (North) and Kunia Road Intersection, Added Typical Section and Notes.

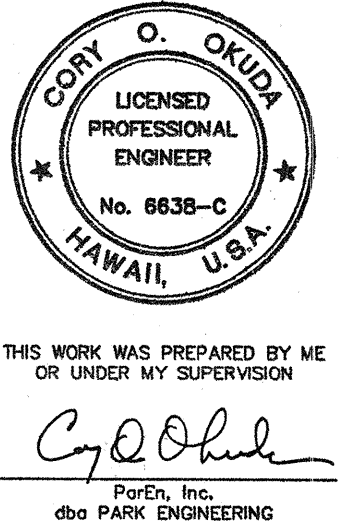
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUNIA ROAD & KUPUNA LOOP (NORTH) INTERSECTION AND MISCELLANEOUS DETAILS

KUNIA ROAD WIDENING; AND
H-1, KUNIA I.C., RAMP KO WIDENING
F.A.I. PROJECT NO. IM-STP-0750(10)

SCALE: AS NOTED DATE: APRIL 1999

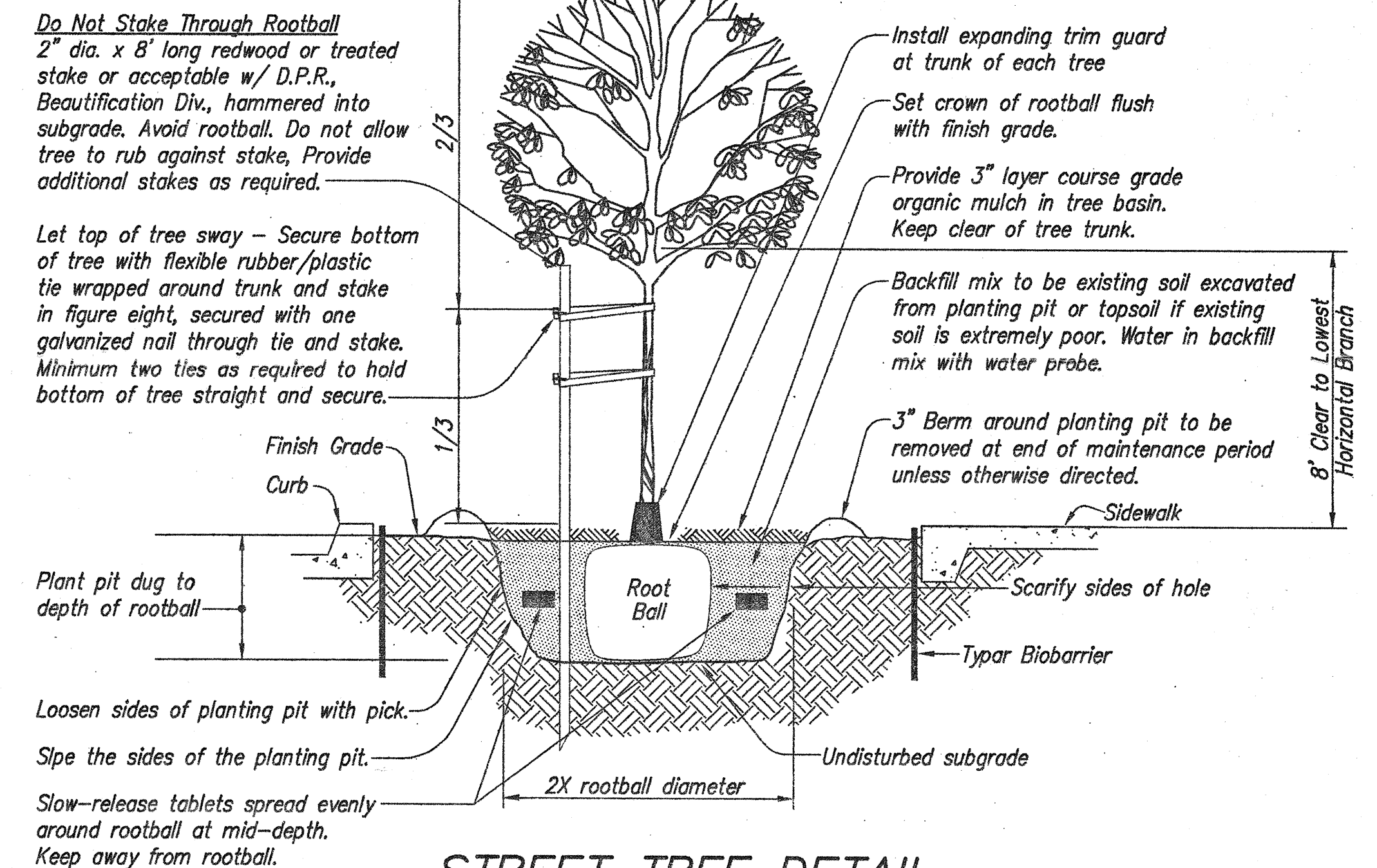
SHEET No. 1 OF 1 SHEETS



KUNIA ROAD WIDENING; AND H-1, KUNIA I.C., RAMP KO WIDENING T.M.K.: 9-4-106 & 9-4-146 D.P.R. REF. FILES:

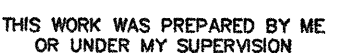
STREET TREE LIST

Bio-Barrier Total Length = 20 l.f.



STREET TREE DETAIL

Not to Scale



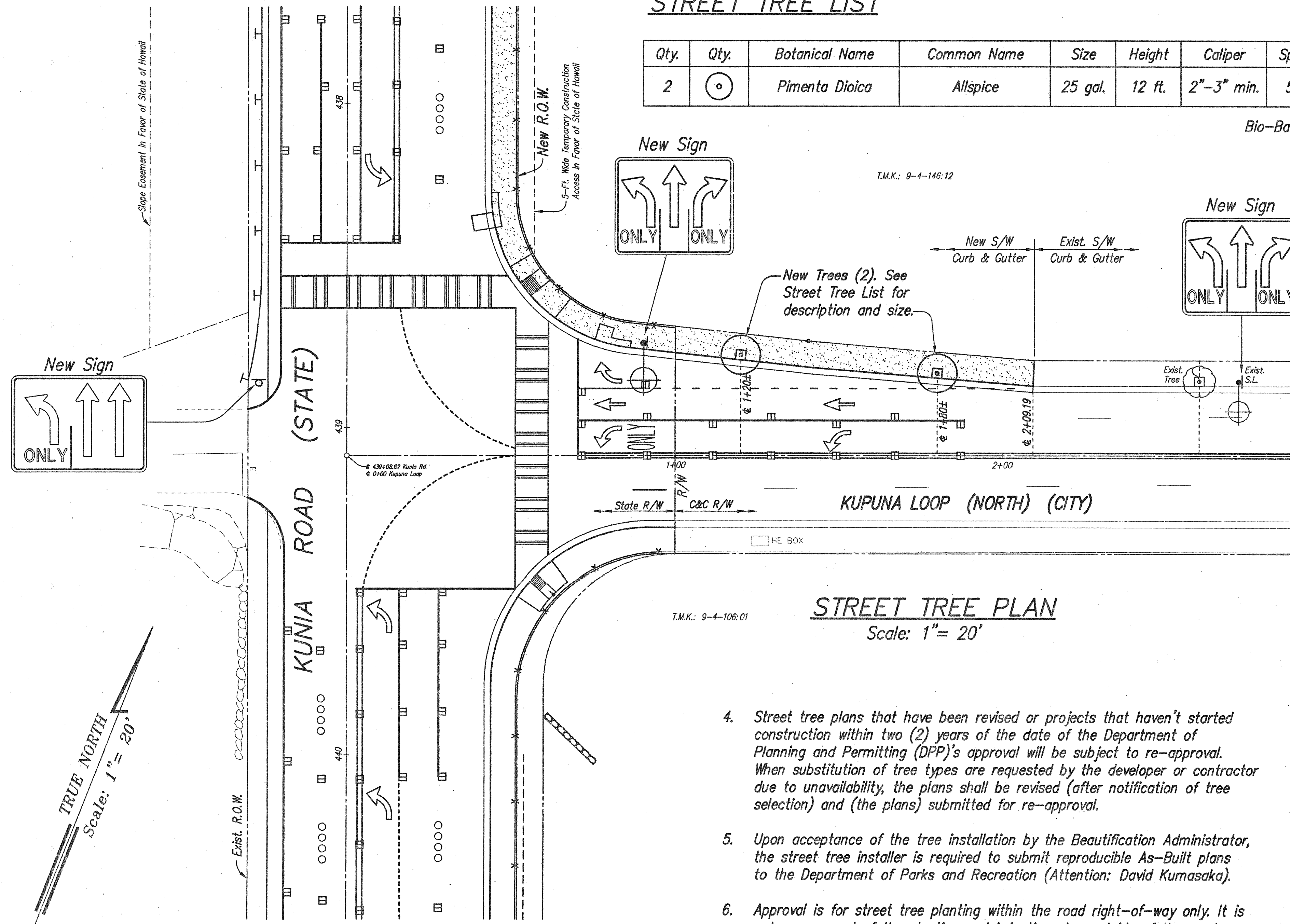
Cory D. Ohl
ParEn, Inc.
dba PARK ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SCALE: AS NOTED DATE: APRIL 1999

SHEET No. 1 OF 1 SHEETS

RECORDED INDEXED C.O.16 S-1



STREET TREE PLAN

Scale: 1" = 20'

4. Street tree plans that have been revised or projects that haven't started construction within two (2) years of the date of the Department of Planning and Permitting (DPP)'s approval will be subject to re-approval. When substitution of tree types are requested by the developer or contractor due to unavailability, the plans shall be revised (after notification of tree selection) and (the plans) submitted for re-approval.
5. Upon acceptance of the tree installation by the Beautification Administrator, the street tree installer is required to submit reproducible As-Built plans to the Department of Parks and Recreation (Attention: David Kumasaka).
6. Approval is for street tree planting within the road right-of-way only. It is not an approval of the planting and irrigation plan outside of the road right-of-way.
7. The Community Association, homeowner or lot owner is responsible to maintain the tree(s) and to pay for water and electricity as required for maintenance of the street trees and planting strips within the road right-of-way.
8. Other notes that may also apply are:
 - a. The contractor shall be responsible for obtaining a permit to Excavate Public Right-of-Way (Trenching Permit), prior to commencing work.
 - b. The street lighting system shall be kept operational during construction. Any relocation required shall be approved by the Mechanical/Electrical Design and Construction Division, Department of Design and Construction, and paid for by the Contractor.
 - c. The contractor shall be responsible for any damages to the City's existing street lighting facilities, traffic signal facilities (including the traffic signal interconnect system), communications fiber optic cable system and traffic signal fiber optic cable system. Any and all damages to these facilities shall be repaired by the contractor at his cost in accordance with the requirements of the City and County of Honolulu.

STREET TREE NOTES

1. Upon installation of the street trees, the installer/contractor shall contact the Beautification Administrator, Department of Parks and Recreation (DPR), at 971-7151 to schedule an inspection of the tree(s) installation. Notification must be given at least seven (7) days prior to pre-maintenance and final inspections. A notice of acceptance will be issued by the Beautification Administrator when he has determined the trees have been properly installed and maintained.
2. The street tree maintenance period shall be for sixty (60) calendar days or until project maintenance has been assumed by abutting property owner.
3. The standard City and County of Honolulu, Department of Parks and Recreation Specifications for street tree planting and landscaping shall be made part of the construction documents.

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	" "
	DESIGNED BY _____	" "
	QUANTITIES BY _____	" "
	CHECKED BY _____	" "
No. _____	_____	_____