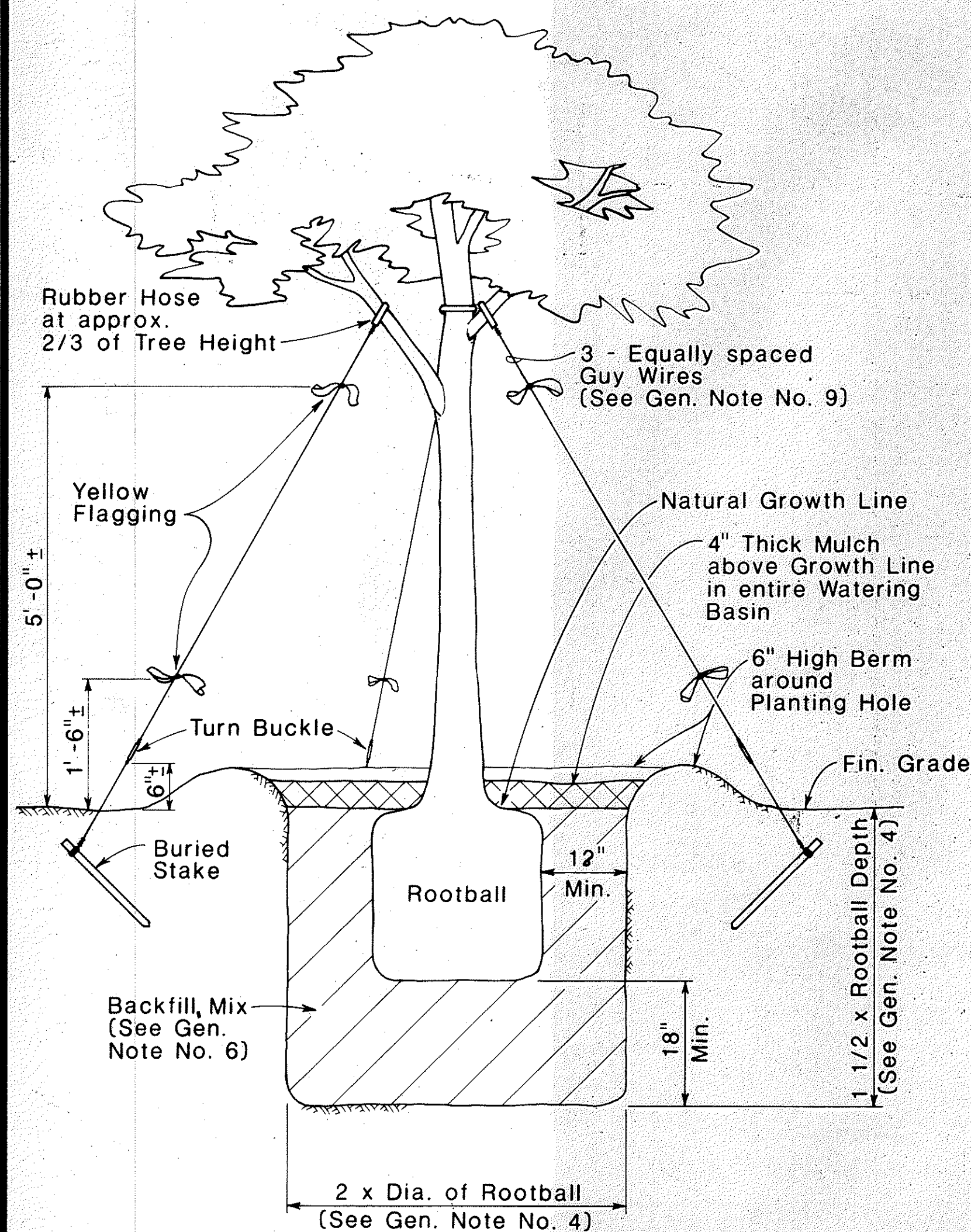
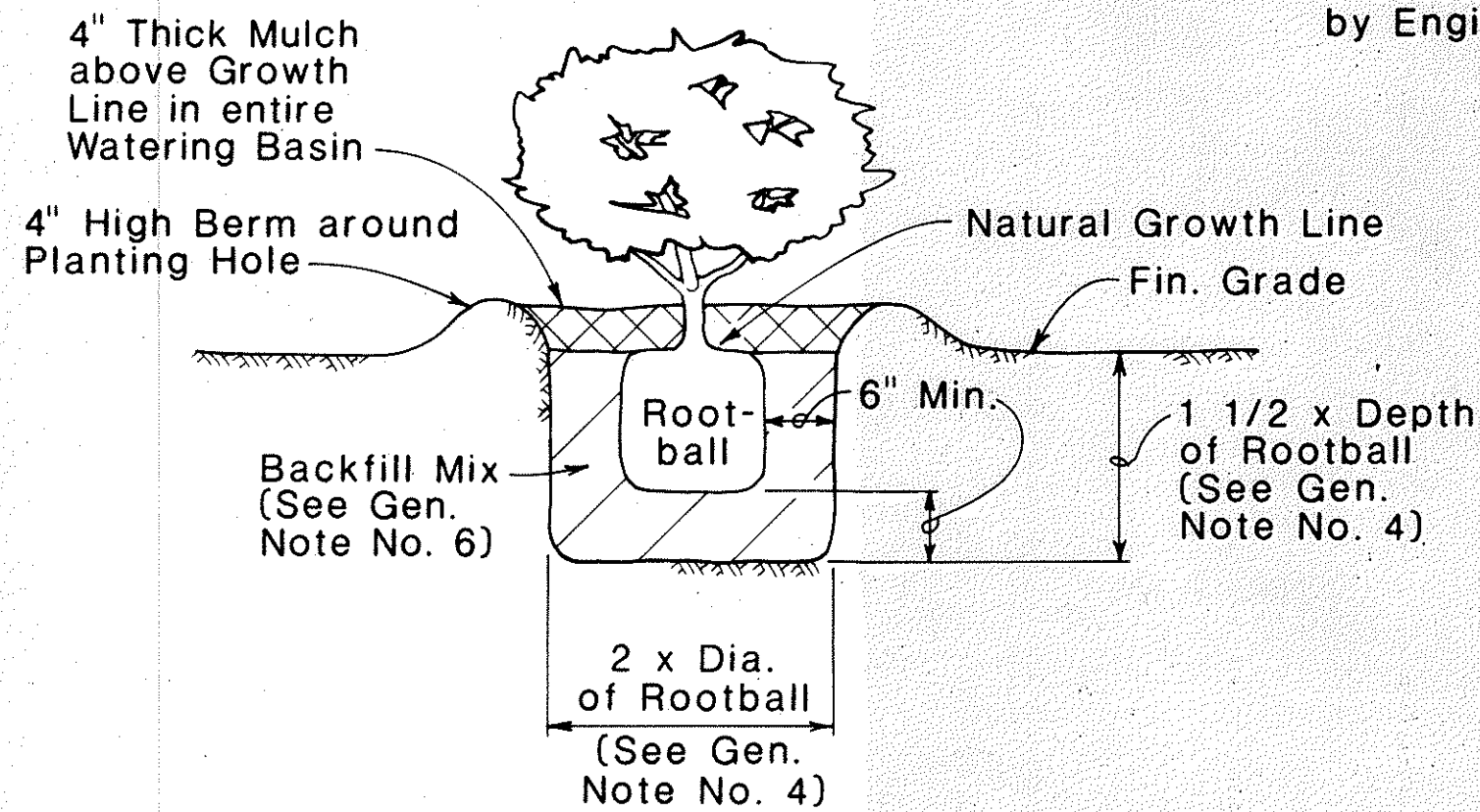


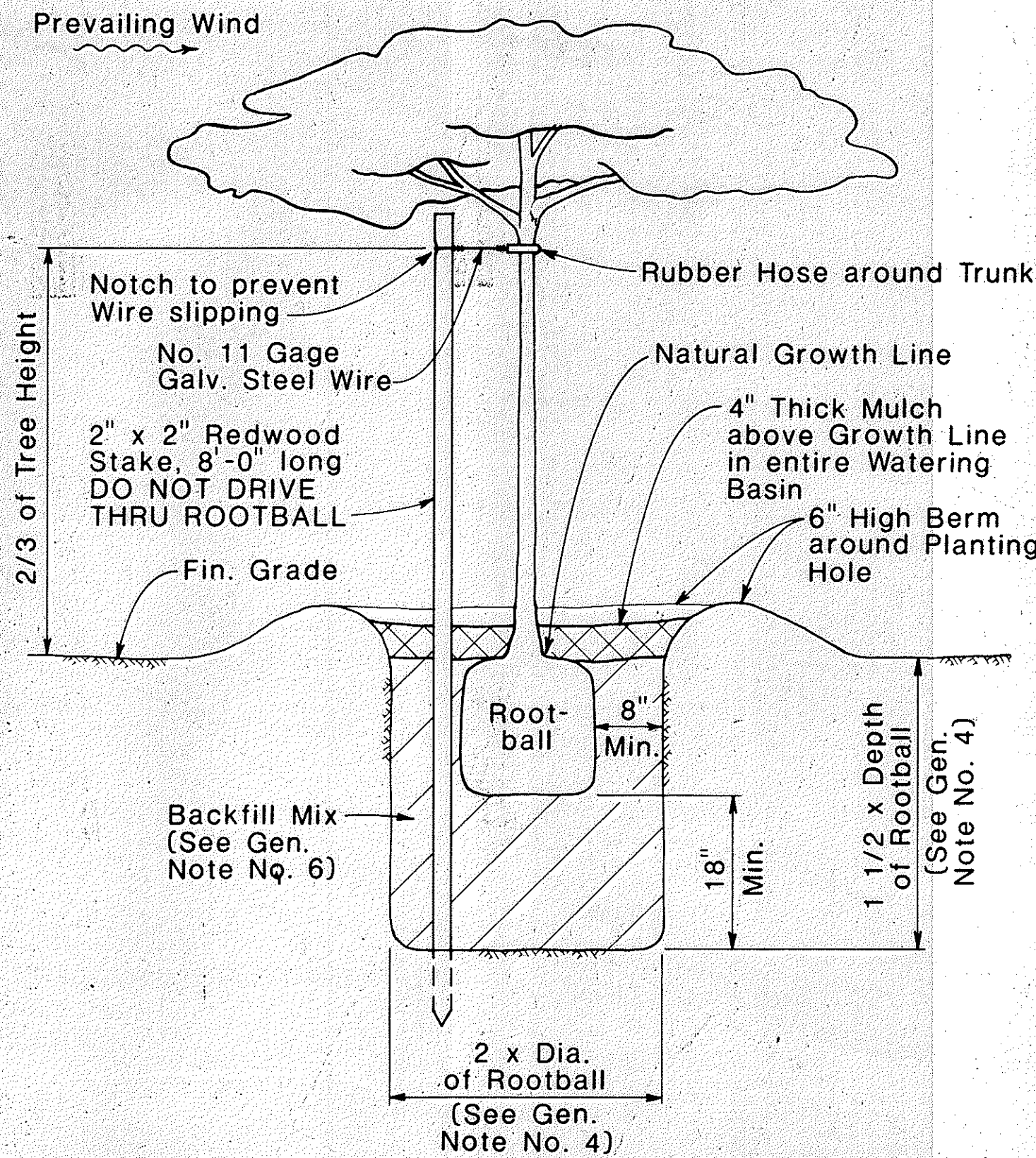
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-86	1987	12	12



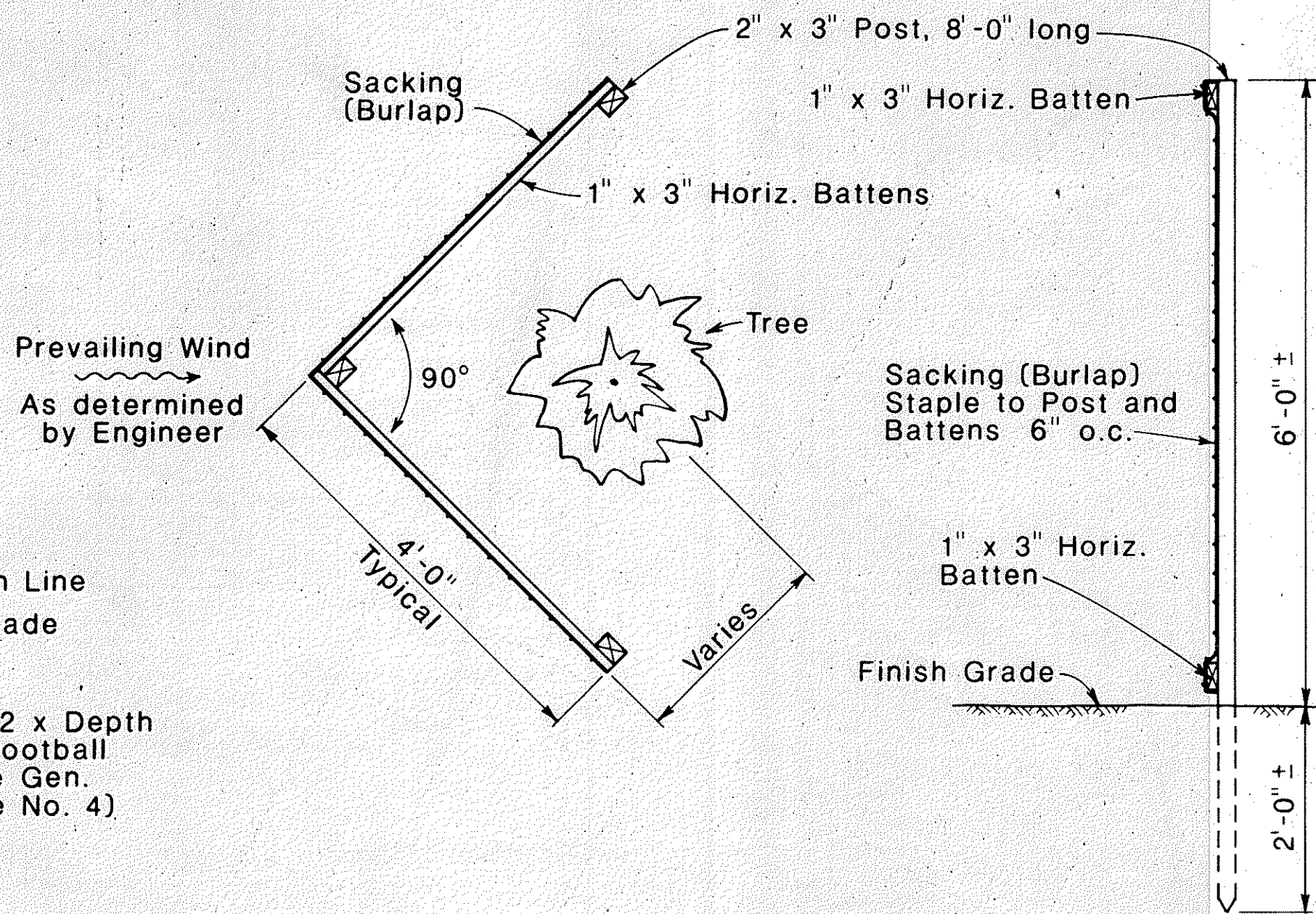
TREE PLANTING DETAIL
(OVER 6-FT. HIGH)
Not to Scale



SHRUB PLANTING DETAIL
Not to Scale



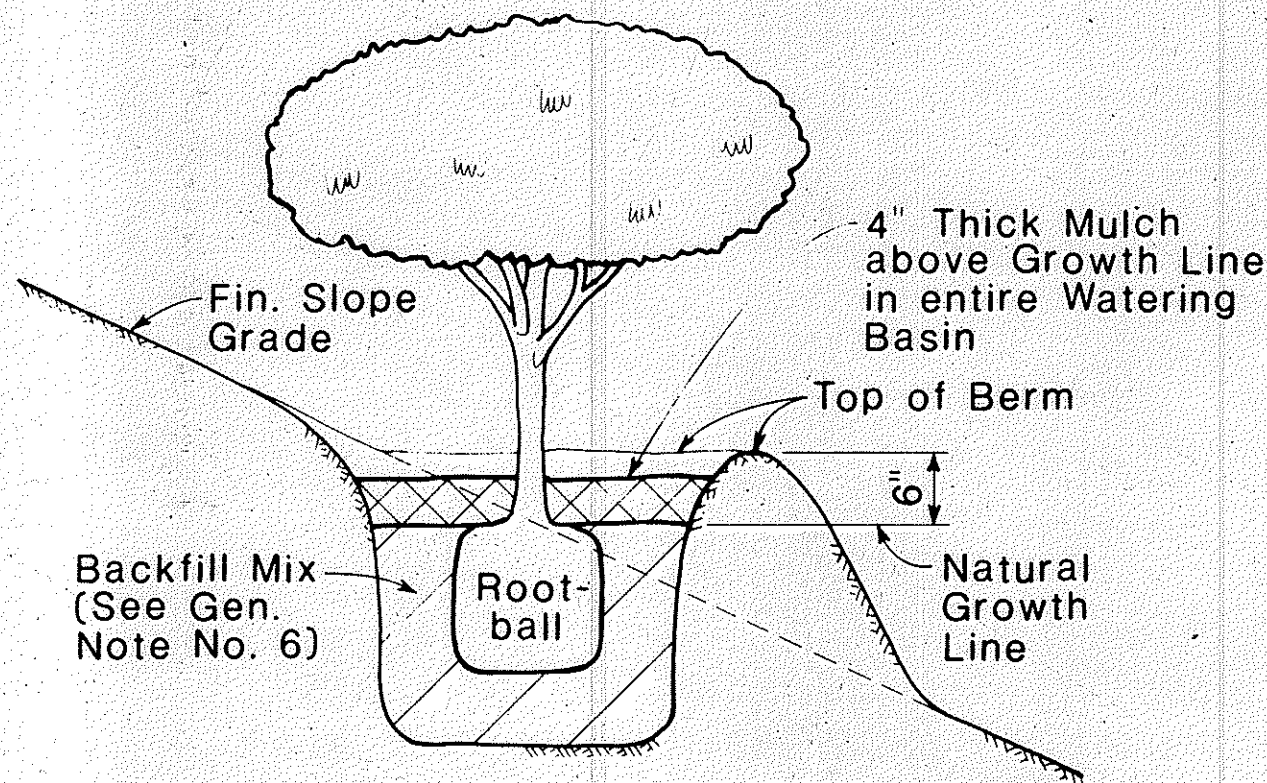
TREE PLANTING DETAIL
(6-FT. MAX. HEIGHT)
Not to Scale



WINDBREAK DETAILS
(FOR TREES LESS THAN 8-FT. HIGH)
Not to Scale

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES, MEASUREMENTS AND SITE CONDITION, INCLUDING LOCATION OF ALL EXISTING UTILITIES.
2. PLANTING WILL NOT COMMENCE UNTIL THE PLANTING AREA IS PREPARED TO FINISH GRADE.
3. PRIOR TO TREE HOLE EXCAVATION ALL PLANTING LOCATIONS SHALL BE STAKED OUT BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
4. SHRUB AND TREE HOLES SHALL BE AT LEAST TWO TIMES THE DIAMETER AND ONE AND ONE HALF TIMES THE DEPTH OF THE ROOTBALL OR THE ROOTBALL DIMENSIONS PLUS THE MINIMUM CLEARANCES SHOWN ON THE PLANS, WHICHEVER IS GREATER.
5. IF CORAL, ROCK, HARD PAN OR UNSUITABLE MATERIAL IS ENCOUNTERED WHILE EXCAVATING FOR THE PLANTING HOLE, THE MATERIAL SHALL BE BROKEN UP OR REMOVED AT LEAST 12 INCHES BEYOND THE NORMAL DIMENSIONS OF THE HOLE AS DIRECTED BY THE ENGINEER.
6. BACKFILL MIX SHALL CONSIST OF 3 PARTS OF SOIL, 1 PART OF MANURE AND 1 PART OF ORGANIC SOIL CONDITIONER.
7. MULCH SHALL BE PLACED OVER THE ENTIRE WATERING BASIN WITHIN 2 WEEKS AFTER PLANTING.
8. GUY WIRES, FLAGGING, STAKES, WINDBREAKS, ETC. SHALL BE MAINTAINED AND REPLACED IF NECESSARY BY THE CONTRACTOR UNTIL THE TREE OR SHRUB IS ABLE TO STAND BY ITSELF. WHEN IT BECOMES UNNECESSARY THE CONTRACTOR SHALL REMOVE AND DISPOSE.
9. GUY WIRE SHALL BE NO. 11 GAGE GALVANIZED STEEL WIRE FOR TREES 3 INCHES IN DIAMETER OR LESS AND NO. 9 GAGE FOR TREES OVER 3 INCHES IN DIAMETER.
10. ORGANIC SOIL CONDITIONERS, MULCH, GUY WIRES & TURN BUCKLES, YELLOW FLAGGING TAPES, STAKES, RUBBER HOSE, BACKFILL MIX AND WINDBREAKS SHALL BE CONSIDERED INCIDENTAL TO PLANTING AND TRANSPLANTING OF TREES AND SHRUBS AND WILL NOT BE MEASURED FOR PAYMENT.
11. SECTION 619--PLANTING AND TRANSPLANTING OF THE LATEST DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS AMENDED IS APPLICABLE TO THESE DETAILS.



NOTE: For plant hole dimensions and staking or guying requirements use the appropriate Tree or Shrub Planting Detail

SLOPE PLANTING DETAIL
(TREE AND SHRUB)
Not to Scale

NO.	REVISION	APPROVED	
		BY	DATE
1	Added Slope Planting Detail	JLS	12-13-83

APPROVAL RECOMMENDED:

Mike Mima 8-23-83
HIGHWAY DESIGN ENGINEER DATE

APPROVED:
J. J. J. J. 8-23-83
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

LANDSCAPING
SHRUB AND TREE PLANTING

Scale: As Shown Date: June, 1983

SHEET No. 1 OF 1 SHEETS DD619.1