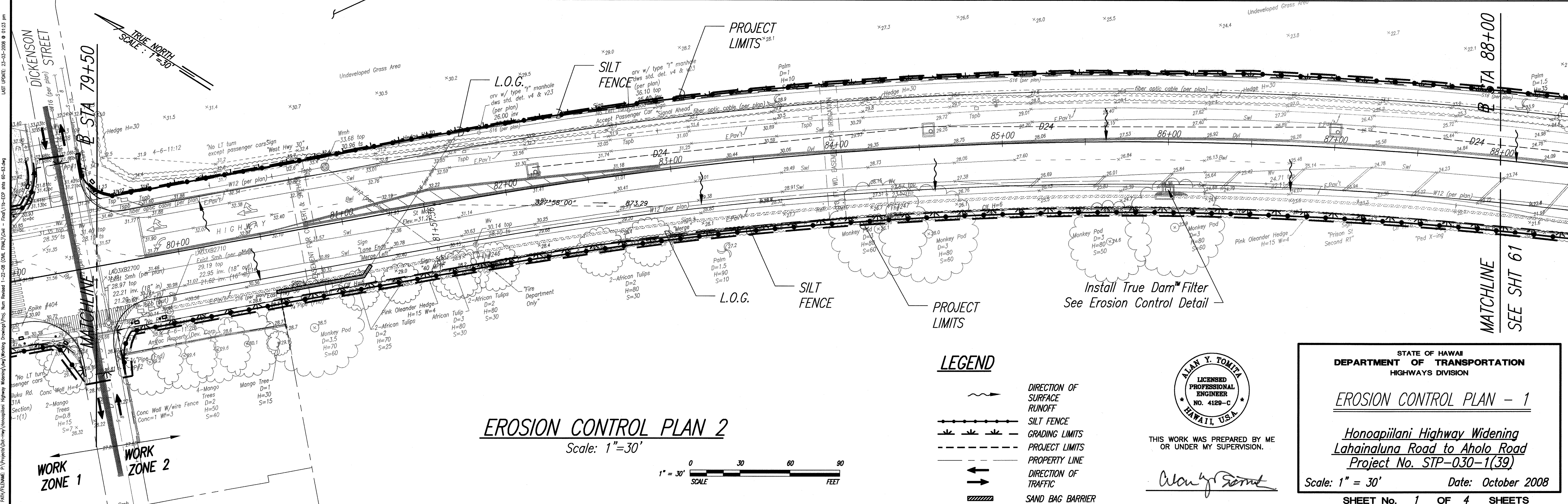
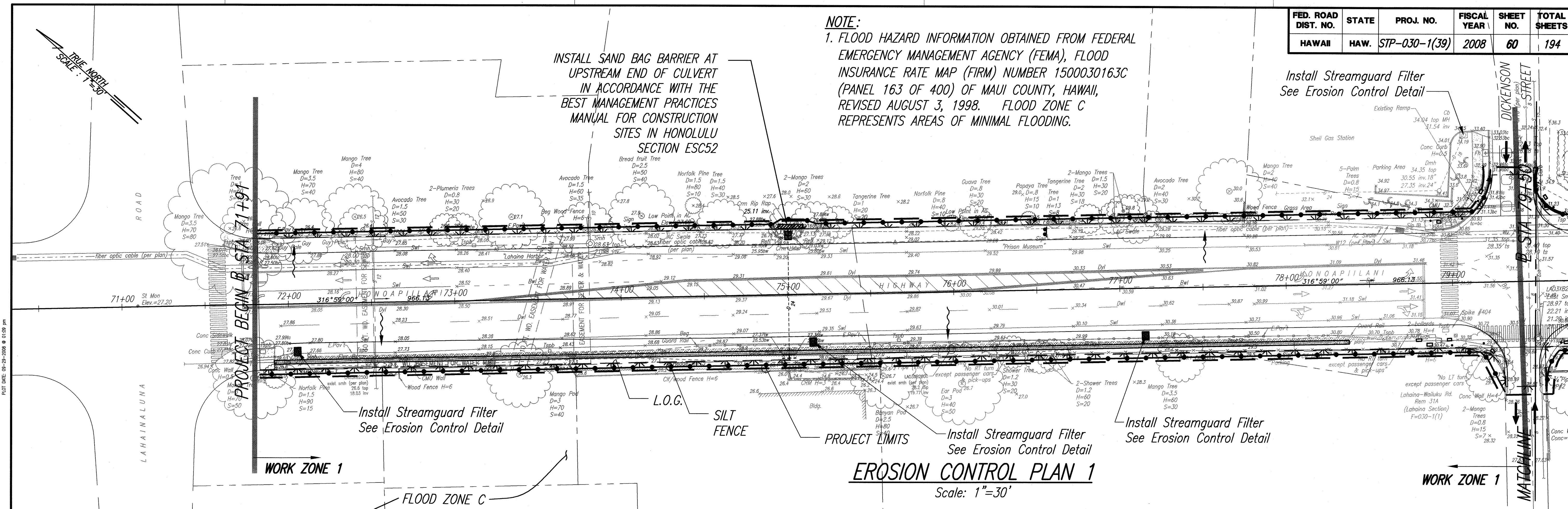


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(39)	2008	60	194

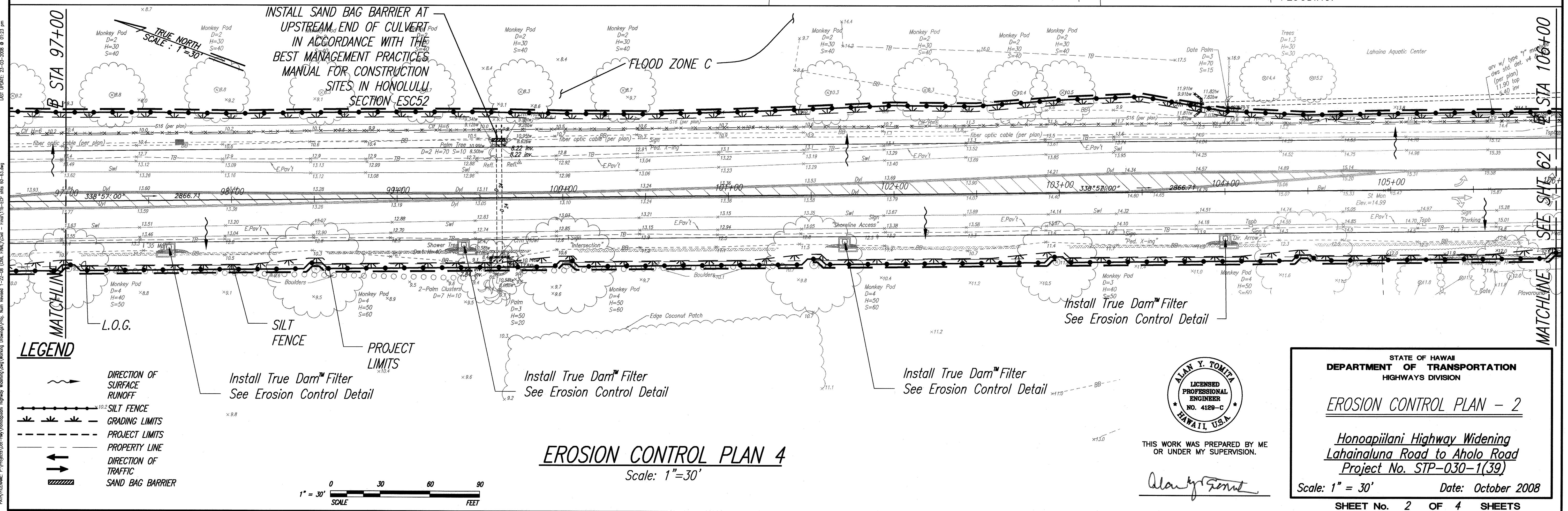
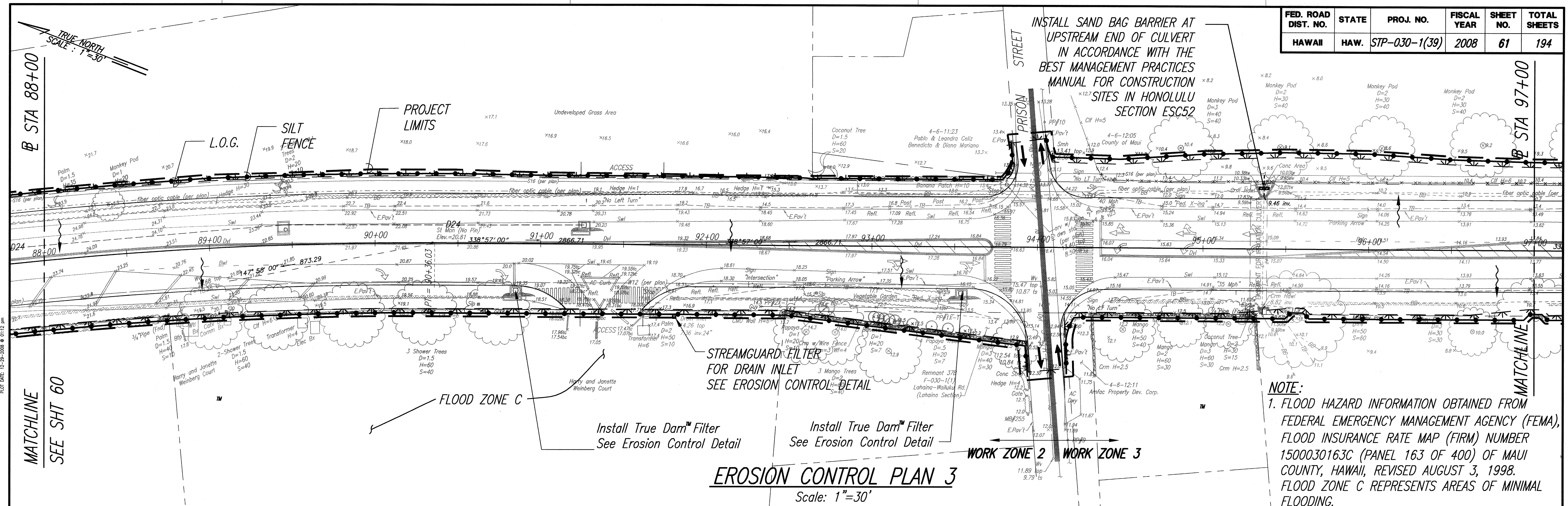
NOTE:

7. FLOOD HAZARD INFORMATION OBTAINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) NUMBER 1500030163C (PANEL 163 OF 400) OF MAUI COUNTY, HAWAII, REVISED AUGUST 3, 1998. FLOOD ZONE C REPRESENTS AREAS OF MINIMAL FLOODING.

Install Streamguard Filter
See Erosion Control Detail—



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(39)	2008	61	194



ALAN Y. TOMITA
LICENSED PROFESSIONAL ENGINEER
NO. 4128-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL PLAN - 2

*Honoapiilani Highway Widening
Lahainaluna Road to Aholo Road
Project No. STP-030-1(39)*

Scale: 1" = 30' Date: October 2008

SHEET No. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-030-1(39)	2008	62	194

STREAMGUARD FILTER FOR DRAIN FILTER, SEE EROSION CONTROL DETAIL

Install True Dam™ Filter
See Erosion Control Detail

INSTALL SAND BAG BARRIER AT UPSTREAM END OF CULVERT IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION SITES IN HONOLULU SECTION ESC52

NOTE:
1. FLOOD HAZARD INFORMATION OBTAINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) NUMBER 1500030163C (PANEL 163 OF 400) OF MAUI COUNTY, HAWAII, REVISED AUGUST 3, 1998. FLOOD ZONE C REPRESENTS AREAS OF MINIMAL FLOODING.

EROSION CONTROL PLAN 5

Scale: 1"=30'

FLOOD ZONE C

STREAMGUARD FILTER FOR DRAIN INLET
SEE EROSION CONTROL DETAIL

Install True Dam™ Filter
See Erosion Control Detail

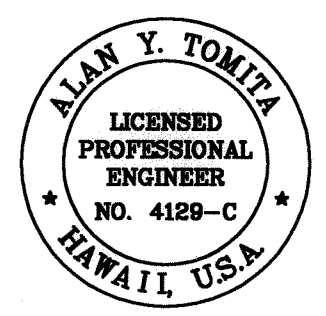
Install True Dam™ Filter
See Erosion Control Detail

EROSION CONTROL PLAN 6

Scale: 1"=30'

LEGEND

- DIRECTION OF SURFACE RUNOFF
- SILT FENCE
- GRADING LIMITS
- PROJECT LIMITS
- PROPERTY LINE
- DIRECTION OF TRAFFIC
- SAND BAG BARRIER



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

EROSION CONTROL PLAN - 3

Honoapiilani Highway Widening
Lahainaluna Road to Aholo Road
Project No. STP-030-1(39)

Scale: 1" = 30' Date: October 2008

SHEET No. 3 OF 4 SHEETS

1. FLOOD HAZARD INFORMATION OBTAINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) NUMBER 1500030163C (PANEL 163 OF 400) OF MAUI COUNTY, HAWAII, REVISED AUGUST 3, 1998. FLOOD ZONE C REPRESENTS AREAS OF MINIMAL FLOODING. ||



1. *The Contractor Shall Install Silt Fences, Drain Inlet Filters, And Sand Bag Berms As Required, As Soon As Practicable Prior To The Commencement Of Construction Work For Sediment Runoff Control. The Contractor Shall Maintain These Erosion Control Measures As Required To Ensure Their Effectiveness.*
2. *The Contractor Shall Adjust Distances Between Silt Fence Posts As Necessary To Ensure Their Effectiveness.*
3. *Measures To Control Erosion And Other Pollutants Shall Be In Place Before Any Earthwork Is Initiated.*
4. *Slope And Exposed Areas Shall Be Watered, Mulched, Sodded Or Planted As Soon As Backfill Has Been Established To Prevent Dust, Erosion And Sedimentation. Planting Shall Not Be Delayed Until All Backfilling And Final Grading Has Been Completed. Backfilling Shall Be Continuous And Any Area Within Which Work Has Been Interrupted Or Delayed Shall Be Planted. Unless Indicated Otherwise In The Specifications Or Proposal, Payment For Planting Or Grassing Required Under This Item (Other Than That Specified For Landscaping) Shall Not Be Paid For Directly, But Shall Be Considered Incidental To And Included In The Price Bid For Erosion Control.*
5. *Temporary BMP Measures Shall Not Be Removed Until All Permanent Erosion Controls Are In Place And Established.*
6. *Any Backfilled Area Which Will Be Left Idle For Thirty (30) Calender Days Or More Shall Be Mulched.*

7. Washing Down Of Construction Equipment And Vehicles And From Concrete Truck Drums At Site Is Prohibited. Washwater From Washdowns Shall Not Be Discharged Into Drainage Systems Nor Water Courses.
8. Should The Contractor Choose To Have An On-Site Maintenance, Storage, And/Or Stockpile Area, The Contractor Shall Install Proper Secondary Containment Structures, Such As, Gravel Filter Or Earthen Containment Berms And Silt Fences, Around The Designated Area To Prevent Stormwater Carrying Contaminants Into Drainage Systems And Government Waters. The Rainwater Accumulated Within The Designated Area Shall Be Naturally Evaporated Or Infiltrated Into The Ground.
9. The Contractor Shall Provide Required Information To The State Department Of Health As Stated In The Appendix Of NPDES General Permit Application For Discharges Of Stormwater Associated With Construction Activity Within Thirty (30) Days Before The Commencement Of Construction.
10. At The Conclusion Of All Project Work, All Best Management Practices Shall Be Removed And The Area Shall Be Restored To Its Original Condition, Or Better, Upon Acceptance Of The Project By The State.
11. The Entire Site And Its Surrounding Areas Are Designated To Be Within Flood Zone C (Areas Of Minimal Flooding), As Indicated By Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM) Number 1500030163C (Panel 163 Of 400) Of Maui County, Hawaii, Revised August 3, 1998.

Scale: NTS

1. *True Dam is Manufactured by Dandy Products, Inc., Grove City, Ohio.*
2. *The Contractor shall Remove Filters During Times of Above Normal Rainfall Events and Replace Them When Event has Passed.*

Scale: NTS

Scale: NTS

Scale: NTS

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