

CWB NOI General Form for Appendix C

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|--|--|----------------------------|---|---|---|
| The state of the s | Previously assigned NGPC File No | | Automatic Coverage | per HAR, Section | automatic coverage n 11-55-34.09(f). |
| e of Hav | (for renewal NOI only): I | H | (for New NO only) | • 1 | automatic coverage n 11-55-34.09(g). |
| 1. Owner Information | | | | | |
| Owner Legal Name | State of Hawaii | | | | |
| Owner Department | Department of Transpor | rtation | | | |
| Owner Division | Highways Division | | | | |
| Owner Mailing Address | 869 Punchbowl Street | | | | |
| Owner Mailing City | Honolulu | Owner Mailing State | н о | wner Mailing Zip+4 | 96813-5097 |
| Owner Street Address | 869 Punchbowl Street | | | | |
| Owner City | Honolulu | Owner State | н о | wner Zip+4 | 96813-5097 |
| Owner Contact Person Fir | st Name Glenn | Owner | Contact Perso | on Last Name Yasui | |
| Owner Contact Person Po | | Division Administrator | | | |
| Owner Phone No | (808) 587-2220 | Owner | Fax No | (808) 587-2340 | |
| Owner Contact Person Em | | awaii.gov | | | |
| 2. Owner Type Municip | | Municipal Federal - F | - Private Facilit - City, County, ederal Goverr | ty or Project , or State Government Fa nment Facility or Project te Storm Sewer System | acility or Project |
| 3. Operator or General (| Contractor Information | | | | |
| For CWB-NOI Forms The general contract | s C, F, G, and I only ctor information will be su | bmitted at least 30 cale | endar days bef | fore the start of construc | tion activities. |
| Operator Legal Name | | | | | |
| Operator Department | | | | | |
| Operator Division | | | | | |
| Operator Mailing Address | 5 | | | | |
| Operator Mailing City | | Oper. Mailing State | <u>HI</u> (| Operator Mailing Zip+4 | |
| Operator Street Address | | | | | |
| Operator City | | Operator State | HI C | Operator Zip+4 | |
| Operator Contact Person | First Name | Oı | oer. Contact P | Person Last Name | |
| Operator Contact Person | | | | | |

Operator Fax No

Operator Contact Person Email

Operator Phone No

| 4. Facility or Project Info | rmation | | | | |
|---|--|--|---------------------------------------|--|--|
| Facility Legal Name | | ess Road, Drainage Impro | | | |
| Facility Mailing Address | State of Hawaii | , Department of Transpo | rtation, Highwa | ys Division, 601 Kamok | ila Blvd., Room 688 |
| Facility Mailing City | Kapolei | Facility Mailing | State HI I | Facility Mailing Zip+4 | 96707-2038 |
| Facility Street Address | Various (Refer | to attached Figure 1 - Tax | (Мар) | | |
| Facility City | Kaneohe | Facility State | <u>HI</u> ! | Facility Zip+4 | 00009-6734 |
| Facility Contact Person Fi | rst Name <u>Karen</u> | | Facility Contact | Person Last Name | Chun |
| Facility Contact Person Po | osition Title P | roject Manager | | | |
| Facility Phone No | (808) 692-7552 | Pacil | ity Fax No | (808) 692-7555 | <u> </u> |
| Facility Contact Person Er | | .chun@hawaii.gov | | | |
| Island of Facility Oahu | If there | are multiple Plat and/or If there are more Tax N | Parcel Number: Nap Keys (TMKs) | s, please separate them), please attach a separa | n with semi-colons. ate sheet. |
| TMK Division Zone | Section | Plat | Parcel or Lot | | |
| (1) 4 | <u>5</u> | | _ 2, 3, 4, 5 | | |
| (1) 4 | 5 | 108 | 68, 69, 70, | 71, 72, 73, 74 | |
| | | | | | |
| | | | | | |
| 5. Receiving State Wate | r(s) Information | | | | entantentantentantentantentantentantentantentanten |
| 5.a. Number of Receiving | g State Waters | 1 | | | |
| 5.a.i. Receiving Waters | Name Kapu | nahala Stream | | | |
| Receiving Waters Classifi | cation 2 | | | | |
| Latitude Degrees (N) | 021 | Latitude Minutes | 24 | Latitude Seconds | 13 |
| Longitude Degrees (W) | 157 | Longitude Minutes | 48 | _ Longitude Seconds | 34 |
| 5.a.ii. Additional Recei | ving Waters Nan | ne | | | |
| Receiving Waters Classif | ication | | | | |
| Latitude Degrees (N) | | Latitude Minutes | | _ Latitude Seconds | |
| Longitude Degrees (W) | | Longitude Minutes | | _ Longitude Seconds | |
| 5.a.iii. Additional Rece | iving Waters Na | me | | | |
| Receiving Waters Classif | ication | | | | |
| Latitude Degrees (N) | | Latitude Minutes | | _ Latitude Seconds | |
| Longitude Degrees (W) | | Longitude Minutes | | _ Longitude Seconds | * |
| 5.b. Receiving Separat separate storm drainage | te Drainage Syste e system (e.g., City | em - Complete the follow and County of Honolulu | ring if the discha Municipal Sepa | arge from your facility o arate Storm Sewer Systo | or project first enters a em [MS4] , etc.) |
| Separate Drainage Syste | em Owner Name | | | | and the second s |
| Latitude Degrees (N) | | Latitude Minutes | | Latitude Seconds | |
| Longitude Degrees (W) | | Longitude Minutes | | Longitude Seconds | |
| Drainage Syst | em Owner Appro | val to Discharge is attach | ied. | | |
| The request to submitted at | o the Drainage Sy least 30 calendar | stem Owner for Approval days before the start of co | l to Discharge is onstruction acti | s attached. The Approvivities or discharge, whi | al to Discharge will be chever is sooner. |

CWB NOI General Form Page 2 of 4

| X | to fro | empany/ comple om the s enditions | organizate the Coubject f | :WB NOI Forn acility. The O | elow to act as our rep in for coverage under owner hereby agrees | resentative the NPDES to comply v | to submit inform S general permit with and be resp | ation/doc to discha onsible fo | uments necessary rge to State waters r all NGPC |
|--|--|--|--|---|---|---|--|---|---|
| Name of the last o | co to fro | ompany/ comple om the sompliand | organizate the Couplete the the Couplet the Couplet the Couplet the Couplet the the the Couplet the Co | ation listed be CWB NOI Forn facility. Our re the NGPC cor | amed individual or a elow to act as our rep in for coverage under epresentative is furth inditions, except subn ible for all NGPC cor | resentative the NPDE er authorize nittal of the | e to submit inform S general permit ed to submit infol | nation/doc to discha mation/do | uments necessary orge to State waters ocuments for |
| Represent | tative Co | mpany/0 | Organiza | tion Name | ParEn, Inc. dba Pa | rk Engineer | ing | | |
| Represent | tative De | partmen | it - | | | | | | |
| Represent | tative Div | ision _ | | | | | | | · |
| Represent | tative Ma | iling Add | dress | 711 Kapiolar | ni Boulevard, Suite 150 | 0 | | | |
| Rep. Maili | ing City | _ | Honolu | ulu | Rep. Mailing Stat | e <u>HI</u> | Rep. Mailing 2 | Zip+4 | 96813-5237 |
| Represent | tative Str | eet Addı | ress | 711 Kapiolar | ni Boulevard, Suite 150 | 00 | And the state of t | | |
| Represen | tative Cit | у _ | Honol | ulu | Rep. State | HI | Representativ | e Zip+4 | 96813-5237 |
| Represen | tativo Fir | et Name | | Russell | | Representa | tive Last Name | Arakak | (i |
| nepresen | tative | St Mairie | | Massen | | пертезента | | | |
| Ranracan | tative Po | sition Tit | ·le | Project Mana | ager | | | | |
| Represen | | | | Project Mana | | resentative | Fax No (808) | 593-1607 | |
| Represen Represen Represen | tative Ph tative Co | one No _ ntact Pe | (808) 5 | 93-1676 ail rarakaki | Rep @pareninc.com | resentative | | 593-1607 | |
| Represen | tative Photative Co | one No _ ntact Pe nis state ompany omplian o comply | (808) 5 rson Em ement au lorganizace with y with au | ail rarakaki uthorizes the ration listed by the NGPC cound be response | Rep @pareninc.com named individual or a elow to act as our re inditions, except substible for all NGPC Co | any individu oresentative nittal of the onditions. | ial occupying the e to submit inforr CWB NOC Forr | named p nation/doo n. The O | osition of the cuments for wner hereby agree |
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6. Authorized Representative Information - Select authorization under A or B or C or A & C or D. Do not select A & B or B & C - this

will cause a delay in the issuance of the NGPC.

| C I certify that for a municipal agency, I am a principal executive officer or ranking elected official. C I certify that for a non-federal public agency, I am a principal executive officer or ranking elected official. C I certify that for a federal agency, I am the chief executive officer of the agency, or I am the senior executive chaving responsibility for the overall operations of a principal geographic unit of the agency. C I certify that I am a general partner for a partnership. C I certify that for a corporation, I am the President, Vice President, Secretary, or Treasurer of the corporation a charge of a principal business function, or I perform similar policy or decision-making functions for the corporation at charge of a principal business function, or I perform similar policy or decision-making functions for the corporation and am authorized to make management decisions which govern the operation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility or facility of the corporation of the regulated facility of the r | | ole proprietorship, trust, or LLC listed in Item 1. I certify that for a state agency, I am a principal executive officer or ranking ele | cted o | ifficial. |
|--|---|--|---|---|
| Certify that for a non-federal public agency, I am a principal executive officer or ranking elected official. Certify that for a federal agency, I am the chief executive officer of the agency, or I am the senior executive of having responsibility for the overall operations of a principal geographic unit of the agency. Certify that I am a general partner for a partnership. Certify that for a corporation, I am the President, Vice President, Secretary, or Treasurer of the corporation a charge of a principal business function, or I perform similar policy or decision-making functions for the corporation of the proprietor for a sole proprietorship. Lertify that for a corporation, I am the Manager of one or more manufacturing, production, or operating facility and am authorized to make management decisions which govern the operation of the regulated facility or facilitating and am authorized to make management decisions which govern the operation of the regulated facility or facilitating of the explicit or implicit duty of making major capital investment recommendations, and initiating directing other comprehensive measures to assure long term environmental compliance with environmental and regulations. I can ensure that the necessary systems are established or actions taken to gather complete accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. Certify that for a funited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify that for a limited liability company or specific | | | ************* | *************************************** |
| I certify that for a federal agency, I am the chief executive officer of the agency. or I am the senior executive of having responsibility for the overall operations of a principal geographic unit of the agency. I certify that I am a general partner for a partnership. I certify that for a corporation, I am the President, Vice President, Secretary, or Treasurer of the corporation of charge of a principal business function, or I perform similar policy or decision-making functions for the corporation of the certify that I am the proprietor for a sole proprietorship. I certify that I or a corporation, I am the Manager of one or more manufacturing, production, or operating facility and am authorized to make management decisions which govern the operation of the regulated facility or facility and an authorized to make management decisions which govern the operation of the regulated facility or facility and the explicit of implicit duty of making major capital investment recommendations, and initiating directing other comprehensive measures to assure long term environmental compliance with environmental in and regulations. I can ensure that the necessary systems are established or actions taken to gather complete accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. I certify that for a furust, I am a trustee. I certify that for a furust, I am a trustee. I certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC. Certify under penalty of law that this document and all attachments were prepared under my direction or supervision coordance with a system designed to assure that qualified personnel properly gather and evaluate the information ubmitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon or gathering the information, the information submitted is, to the best of my knowledge | | | | |
| Certify that I am a general partner for a partnership. Certify that for a corporation, I am the President, Vice President, Secretary, or Treasurer of the corporation a charge of a principal business function, or I perform similar policy or decision-making functions for the corporation. I certify that I am the proprietor for a sole proprietorship. I certify that for a corporation, I am the Manager of one or more manufacturing, production, or operating facility and am authorized to make management decisions which govern the operation of the regulated facility or facilities and am authorized to make management decisions which govern the operation of the regulated facility or facilities and regulations. I can ensure that the necessary systems are established or actions taken to gather complet accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. Certify that for a trust, I am a trustee. Lertify that for a timited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. and the charge of a principal business function, or I perform similar policy or decision making functions for the LLC. | | I certify that for a federal agency, I am the chief executive officer of the agency | , or I a | am the senior executive officer |
| l certify that for a corporation, I am the President, Vice President, Secretary, or Treasurer of the corporation a charge of a principal business function, or I perform similar policy or decision-making functions for the corporation of the regulated facility or facility of making major capital investment recommendations, and initiating directing other comprehensive measures to assure long term environmental compliance with environmental and regulations. I can ensure that the necessary systems are established or actions taken to gather complete accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. C I certify that for a trust, I am a trustee. I certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify under penalty of law that this document and all attachments were prepared under my direction or supervisic cordance with a system designed to assure that qualified personnel properly gather and evaluate the information ubmitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon or gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of an imprisonment for knowing violations. Gertifying Person First Name Brennon Certifying Person Email Department of Transportation Certifying Pers | | | | |
| I certify that for a corporation, I am the Manager of one or more manufacturing, production, or operating facility and am authorized to make management decisions which govern the operation of the regulated facility or facing including having the explicit or implicit duty of making major capital investment recommendations, and initiating directing other comprehensive measures to assure long term environmental compliance with environmental and regulations. I can ensure that the necessary systems are established or actions taken to gather complet accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. Country that for a trust, I am a trustee. I certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify under penalty of law that this document and all attachments were prepared under my direction or supervision coordance with a system designed to assure that qualified personnel property gather and evaluate the information but mitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon or gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of the person Position Title Date Signed Gertifying Person Position Title Department Department of Transportation Ertifying Person Email Department of Transportation Certifying Person Email Department of Transportation Certifyin | | Legify that for a corporation, I am the President, Vice President, Secretary, o | r Treas | surer of the corporation and in g functions for the corporation. |
| and am authorized to make management decisions which govern the operation of the regulated facility or facincluding having the explicit or implicit duty of making major capital investment recommendations, and initiating directing other comprehensive measures to assure long term environmental compliance with environmental and regulations. I can ensure that the necessary systems are established or actions taken to gather complet accurate information for permit application requirements and authority to sign documents has been assigned delegated to me in accordance with corporate procedures. I certify that for a trust, I am a trustee. I certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify under penalty of law that this document and all attachments were prepared under my direction or supervision coordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon or gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowing violations. Date Signed U-2005 Gentifying Person Position Title Director Certifying Person First Name Brennon Certifying Person East Name Department Department Department Department of Transportation Certifying Person East Name Department of Department Department of Department Department of Department of Transportation Certifying Person East Name | \overline{C} | I certify that I am the proprietor for a sole proprietorship. | | |
| I certify that for a limited liability company (LLC), I am the Manager or a Member authorized to make manage decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respons for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowing violations. Date Signed Gertifying Person Position Title Director Certifying Person Position Title Department Department Department Department of Transportation Certifying Poson Email Department of Transportation Certifying Poson Email Department of Transportation Certifying Person Email Department Of Department Certifying Perso | C | and am authorized to make management decisions which govern the operation including having the explicit or implicit duty of making major capital investment directing other comprehensive measures to assure long term environmental cand regulations. I can ensure that the necessary systems are established or a accurate information for permit application requirements and authority to sign | n of th t recor omplia actions | ne regulated facility or facilities mmendations, and initiating and ance with environmental laws as taken to gather complete and |
| decisions for the LLC and am in charge of a principal business function, or I perform similar policy or decision making functions for the LLC. Certify under penalty of law that this document and all attachments were prepared under my direction or supervision accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowing violations. Date Signed Gertifying Person First Name Brennon Certifying Person Last Name Morioka Detertifying Person's Company or Agency State of Hawaii Department Department of Transportation Certifying Phone No (808) 587-2150 Certifying Person Email Determination of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents with the certifying person's original signature and \$500 Filing Fee. For facilities/projects on the island of Hawaii, submit three (3) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form shall include the certifying discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form sha | C | | | |
| accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly respon for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, a complete. I am aware that there are significant penalties for submitting false information, including the possibility of and imprisonment for knowing violations. Signature Date Signed Poste Signed Po | C | decisions for the LLC and am in charge of a principal business function, or I p | er aut erform | thorized to make management n similar policy or decision- |
| Certifying Person First Name Brennon Certifying Person Last Name Morioka Certifying Person Position Title Director Certifying Person's Company or Agency State of Hawaii Certifying Department Department of Transportation Certifying Phone No (808) 587-2150 Certifying Parson Email Department of Certifying Fax No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Person No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Person No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Person No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Person No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Person No (808) 587-2167 Certifying Person No (808) 587- | and im | imprisonment for knowing violations. | | |
| Certifying Person Position Title Director Certifying Person's Company or Agency State of Hawaii Certifying Department Department of Transportation Certifying Division Certifying Phone No (808) 587-2150 Certifying Fax No (808) 587-2167 Certifying Person Email brennon.morioka@hawaii.gov For facilities/projects on the island of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., Copy Form C), and supporting documents with the certifying person's original signature and \$500 Filing Fee. For facilities/projects on the island of Hawaii, submit three (3) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form, applicable form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. | _ | | lame | |
| Certifying Department Department Of Transportation Certifying Division Certifying Phone No (808) 587-2150 Certifying Fax No (808) 587-2167 Certifying Person Email brennon.morioka@hawaii.gov For facilities/projects on the island of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., Copy of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. | :£ .: | IIVING PERSON FIRST MAINE DICTINON CERTAINING CERTAINING CERTAINING CERTAINING CERTAINING CERTAINING CERTAINING | | Morioka |
| Certifying Department Certifying Phone No Certifying Person Email Department of Transportation Certifying Person Email Department of Transportation Certifying Phone No (808) 587-2150 Certifying Fax No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Phone No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Fax No (808) 587-2167 Certifying Person Email Department of Transportation Certifying Fax No (808) 587-2167 Department of Transportation (808) 587-2167 Department of Transporta | • | | | Morioka |
| Certifying Phone No (808) 587-2150 Certifying Person Email Dirennon.morioka@hawaii.gov For facilities/projects on the island of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., Control of Form C), and supporting documents with the certifying person's original signature and \$500 Filing Fee. For facilities/projects on the island of Hawaii, submit three (3) copies of the CWB NOI General Form, applicable discharge form (e.g., Control of CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. | Certifyir | ifying Person Position Title Director | | Morioka |
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| Certifying Person Email brennon.morioka@hawaii.gov For facilities/projects on the island of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., C Form C), and supporting documents with the certifying person's original signature and \$500 Filing Fee. For facilities/projects on the island of Hawaii, submit three (3) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the company of the CWB NOI General Form shall include the copy of the CWB NOI General Form shall | Certifyir Certifyir Certifyir | ifying Person Position Title Director ifying Person's Company or Agency State of Hawaii ifying Department Department of Transportation | | Morioka |
| For facilities/projects on the island of Oahu, submit one (1) copy of the CWB NOI General Form, applicable discharge form (e.g., C Form C), and supporting documents with the certifying person's original signature and \$500 Filing Fee. For facilities/projects on the island of Hawaii, submit three (3) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the certifying person original signature and \$500 Filing Fee. For facilities/projects located on islands other than Oahu and Hawaii, submit two (2) copies of the CWB NOI General Form, applicable discharge form (e.g., CWB NOI Form C), and supporting documents. One copy of the CWB NOI General Form shall include the company of the CWB NOI General Form shall include the copy of the CWB NOI General Form shall | Certifyir Certifyir Certifyir Certifyir | ifying Person Position Title Director ifying Person's Company or Agency State of Hawaii ifying Department Department of Transportation ifying Division | | |
| Certifying persons original signature and 4500 filming feet | Certifyir Certifyir Certifyir Certifyir Certifyir | ifying Person Position Title Director ifying Person's Company or Agency State of Hawaii ifying Department Department of Transportation ifying Division ifying Phone No (808) 587-2150 Certifying Fax No | | |
| | Certifyir Certifyir Certifyir Certifyir Certifyir For facil | ifying Person Position Title Director Ifying Person's Company or Agency State of Hawaii Ifying Department Department of Transportation Ifying Phone No (808) 587-2150 Certifying Fax No Ifying Person Email Director Certifying Fax No Ifying Person Email Director Ifying Phone No (808) 587-2150 Certifying Fax No Ifying Person Email Director Ifying Person Email Director Director | (808) applicad \$500 orm, an shall i | 587-2167 able discharge form (e.g., CWB N Filing Fee. pplicable discharge form (e.g., include the certifying person's |

7. Certification - Alteration of this item will result in the invalidation of this CWB-NOI Form submittal. The person certifying this

Reset Form

CWB-NOI Form C

Print Form
Submit by Email

Notice of Intent for NPDES General Permit Coverage Authorizing **Discharge of Storm Water Associated with Construction Activities HAR, Chapter 11-55, Appendix C**

Previously assigned
NGPC File No
(for renewal NOI only): HI

| ia. | C.1. Construction Site Area | | | | |
|---|---|-----------|--|------------|---|
| | a. Total Area of the project site (ir | n Acres) | 2.04 Acres | | |
| | b. Disturbance Area (in Acres) | | 1.57 Acres | | |
| 1 | c. Impervious Area of the project | after co | nstruction is completed (in | n Acres) | 0.03 Acres |
| | d. Area of each phase of a multi-p Number and Area in acres) | hase cor | struction project (Indicat | e Phase | 1 Phase - 2.04 Acres |
| | C.2. Quantity of Storm Water Di storm water that may be discharg Provide the supporting calculation | ed from 1 | the construction site? | 5.65 | units Cubic Feet per Second |
| | | n water i | s discharged to State wate | ers, the c | al method and location for the handling of the applicable construction activity may require a separate NPDES permit. |
| | a. Water for Dust control | the ban | ks of Kapunahala Stream | to captu | stalled around downstream of disturbed areas and along ure pollutants before State waters. |
| | b. Concrete Truck Wash Water | | ater will be emptied into i ged to MS4 or State water | | neable lined containers onsite. No wash water will be |
| 0.000 | c. Construction Exit Wash Water | Wash w | ater will flow to and be co | ntained | d within temporary washdown containment areas. |
| Mount | d. Irrigation Water | None u | sed. | | |
| | e. Hydrotesting Effluent | N/A | | | |
| | f. Dewatering Effluent | See CW | B-NOI Form G. | | |
| | g. Saw-cutting Slurry | Saw-cu | tting will not be performe | d. | |
| | h. Concrete Curing Water | | te work will be contained am to the impermeable co | | cofferdam. If used, any curing water will be pumped from wash water pit. |
| | i. Water-Jet Wash Water | N/A | | | |
| planenson | j. Other (as identified) | None | | | |
| | C.4. Location Map - Provide a ma | p or map | os showing the following | and iden | ntify the map or figure number in the space provided.: |
| - Agentage | a. Island on which the project is lo | ocated | Oahu (Refer to Figure 1 - \ | Vicinity 8 | & Location Map) |
| | b. Vicinity of the project on the is | land | Kaneohe (Refer to Figure | 1 - Vicin | nity & Location Map) |
| | c. Legal boundaries of the project | t | Refer to Figure 2 - Tax Map | | |
| | d. Topography of the project | | Refer to Figure 6 - Genera | l Layout | ut |
| Months of the property of the second of the | e. Location and identification nur each of the project's existing and proposed outfalls or discharge po | or/ | Refer to Figure 6 - Genera | ıl Layout | ıt |
| | f. Receiving State water(s) and rec storm water drainage system(s), a applicable, identified and labelled | S | Refer to Figure 6 - Genera | al Layou | ut |

| | X | a. Storm water entering the project from off-sit | te areas | | | | |
|---|------------|---|--|--|--|--|--|
| | X | b. General route taken by storm water through | the project (show the routes through different drainage areas) | | | | |
| | X | c. Treatment system(s) utilized for the reduction | on of sediment (e.g., silt fence, earth berm, detention basin, vegetated swale, etc.) | | | | |
| | X | d. Best Management Practices (BMPs) utilized t etc.) | to prevent erosion (e.g., erosion control mats, reduced open area, revegetation, | | | | |
| | X | e. Quantity of flow through each applicable ro | ute from upslope to the receiving State water | | | | |
| Manage Property and Manager | × | f. Drainage system(s) receiving storm water from the project, as applicable (e.g., City and County of Honolulu Municipal Separate Storm Sewer System (MS4), etc.) | | | | | |
| | X | g. State water name(s) receiving storm water for | rom the project | | | | |
| | Indi | cate which item(s) are not identified None | | | | | |
| | C.6. | Existing or Pending Permits, Licenses, or App | provals for the project are listed by number for the following: | | | | |
| | a. C | Other NPDES Permit or NGPC File No. | See "Attachment to CWB-NOI Form C" | | | | |
| | | Department of the Army Permit (Section 404) | See "Attachment to CWB-NOI Form C" | | | | |
| | | acility on SARA 313 List (identify SARA 313 micals on project site) | See "Attachment to CWB-NOI Form C" | | | | |
| | d. F | RCRA Permit (Hazardous Wastes) | See "Attachment to CWB-NOI Form C" | | | | |
| | | section 401 Water Quality Certification | See "Attachment to CWB-NOI Form C" | | | | |
| | Hist | epartment of Land and Natural Resources State toric Preservation Division (attach a copy of the assistant to or response from SHPD) | See "Attachment to CWB-NOI Form C" | | | | |
| Secretary of | g. (| Other(s) | See "Attachment to CWB-NOI Form C" | | | | |
| | C.7. | Construction Site Characterization | | | | | |
| William of the Color of the | C.7 | .a. Describe the history of the land use | The Kaneohe area was used for taro fields, hala, wauke, mai'a, 'uala, yams, olona and other plants. After the late 1800's, cattle ranching took place. The dominant crops were sugar and rice in the 1880's and pineapple between 1910 and 1925. | | | | |
| | C.7. | .b. Describe any existing pollution source(s) - | Check the following items for historical sources of pollution, as applicable. | | | | |
| | 1 | i. DOH, Solid and Hazardous Waste Branch - H | awaii Underground Storage Tank - Leaking Underground Storage Tank database | | | | |
| | 1 | ii. DOH, Hazard Evaluation and Emergency Re | sponse Office records | | | | |
| | ľ | iii. Phase I and/or Phase II Environmental Site | Assessments, as applicable | | | | |
| | X | iv. Recent site inspections | | | | | |
| de la composição de la | X | v. Past land use history | | | | | |
| 0.4 | _ | vi. Soil sampling data, if available | | | | | |
| | X | vii. Other (specify) | | | | | |
| | Des und | C.c. Pollution Sources Corrective Measures: scribe any corrective measures that have been dertaken for the historical pollution source(s) ecked above. | See "Attachment to CWB-NOI Form C" | | | | |
| | C.8 | . Construction Best Management Practices (B | MPs) Plan | | | | |
| Andrew States | C.8 | .a. Project Site Map(s) | | | | | |
| | C.8. | a.i. Phasing Map(s) - The construction will be d | done in one (1) phase. | | | | |
| | • | (1) A phasing map is not required for this sing | le-phase construction project. | | | | |
| | C | | the multi-phase construction project and the boundaries of each phase is attached. | | | | |
| | C | | the multi-phase construction project and the boundaries of each phase will be estart of construction of each phase of the project. | | | | |

C.5. Flow Chart or line drawing - Attach a flow chart showing the following (check each item).

| | Identify the map name and/or number or "n/a" (for r | not applicable) in 1 (10) are not avai | ion plans which show the following information are attached: the space to the right of the listed item. Items (1) through (5) lable at the time of NOI submittal, the information may be ctivities (please indicate as such). |
|------------------------|---|---|--|
| | (1) Approximate slopes anticipated after major grad and pre-construction, during-construction, and pos- drainage patterns; | | Refer to Figures 8 and 9 - Grading Plan |
| | (2) Areas of soil disturbance; | | Refer to Figures 8 and 9 - Grading Plan |
| 2-3 | (3) Location(s) of impervious structures (including by parking lots, etc.) after construction is completed; | ouildings, roads, | Refer to Figure 6 - General Layout |
| | (4) Wetlands and other State water(s); | | Refer to Figures 6, 8, 9, 10 and 14 |
| | (5) Boundaries of 100-year flood plans; | | Refer to Figures 15 and 16 - 100-year Flood Limits |
| | (6) Construction Baseyard and/or staging areas; | | To be submitted 30 days prior to construction |
| | (7) Areas used for the storage of soils, construction wastes and areas for the disposal of wash water from of construction equipment and vehicles, concrete to water, treated dewatering effluent, hydrotesting effect; | n washing down ruck drum wash | Refer to Figures 10 - Erosion Control Plan |
| | (8) Location(s) where stabilization practices are exp | ected to occur; | Refer to Figure 10 - Erosion Control Plan |
| also representati | (9) Location(s) and descriptions of all structural conthose that will be used to divert the offsite storm winto the constructions site and; | | Refer to Figure 14 - Temporary Stream Diversion Plan |
| | (10) Areas where vegetative practices are to be imp | lemented. | Refer to Figure 10 - Erosion Control Plan |
| | C.8.b. Construction BMPs Plan - Please select only requested by describing methods to minimize erosi of the construction activity, removal procedures for | on of soil and dis | wing. The construction BMPs plan shall provide information charge of other pollutants into State waters and, after completion site BMPs. |
| Assembles | Responses for the construction BMPs plan are | provided in this | form (no electronic attachments accepted at this time). |
| 1 | • The construction BMPs plan is attached on se | oarate sheets wit | h reference to this Item number. |
| | C.8.b.i. Construction Activity - Describe the natur | e of the construc | tion activity. |
| ghérrasiso. | (1) What is to be constructed (e.g., the entire scope of the construction activity)? | See "Attachmer | nt to CWB-NOI Form C" |
| Man Tryansan and Man | (2) If the project is a multi-phase construction project, include a list of each phase. | See "Attachmer | nt to CWB-NOI Form C" |
| | (3) What type of materials and heavy equipment will be used for the construction activity? | See "Attachmer | nt to CWB-NOI Form C" |
| Barreya control haston | C.8.b.ii. Quality of Discharge - Describe the nature of the fill material to be used and existing data describing the soil or the quality of any discharge from the project site. | See "Attachmer | nt to CWB-NOI Form C" |
| | | | |

| C.8.b.iii. Potential Pol than those listed in Iten | lutant(s) - Identify the proposed n C.3., that will be generated by t | d control measures or treatment measures for all potential pollutant(s), other the proposed construction activities. | | |
|--|--|---|--|--|
| (1) Construction debris | s, removed vegetation; | See "Attachment to CWB-NOI Form C" | | |
| | ed with the operation and uipment, such as oil, fuel and ; | See "Attachment to CWB-NOI Form C" | | |
| (3) Soil erosion from thareas; | ne disturbed areas and stockpile | See "Attachment to CWB-NOI Form C" | | |
| (4) Location(s) of oil, fu storage site(s) and con | uel or any hazardous material tainment structure(s); | See "Attachment to CWB-NOI Form C" | | |
| (5) Discharges associate prime/tack coat; | ted with emulsified asphaltor | See "Attachment to CWB-NOI Form C" | | |
| (6) Discharges associations solvent/water; | ted with painting and paint wasl | See "Attachment to CWB-NOI Form C" | | |
| (7) Industrial chemical and | s, fertilizers, and/or pesticides; | See "Attachment to CWB-NOI Form C" | | |
| (8) Other Sources. | | See "Attachment to CWB-NOI Form C" | | |
| they will comply with a | Land Disturbances - The owner Ill conditions as stated below fro e amended to be site-specific (i.e. | er and/or general contractor shall check the box to indicate that at a minimum, om HAR, Chapter 11-55, Appendix C, under Special Conditions for Land e., type of cover to be used). | | |
| (a) Construction Management Techniques (1) Clearing and grubbing shall be held to the minimum necessary for grading and equipment operation. (2) Construction shall be sequenced to minimize the exposure time of the cleared surface area. (3) Construction shall be staged or phased for large projects. Areas of one phase shall be stabilized befo another phase is initiated. Stabilization shall be accomplished by temporarily or permanently protectin the disturbed soil surface from rainfall impacts and runoff. (4) Erosion and sediment control measures shall be in place and functional before earth moving operation begin. These measures shall be properly constructed and maintained throughout the construction period. (5) All control measures shall be checked and repaired as necessary, for example, weekly in dry periods and within twenty-four hours after any rainfall of 0.5 inches or greater within a 24-hour period. During prolonged rainfall, daily checking is necessary. The permittee shall maintain records of checks and repairs. (6) The permittee shall maintain records of the duration and estimated volume of storm water discharge(s 7) A specific individual shall be designated to be responsible for erosion and sediment controls on each project site. (b) Vegetation Controls (1) Pre-construction vegetative ground cover shall not be destroyed, removed, or disturbed more than twenty calendar days prior to land disturbance. (2) Temporary soil stabilization with appropriate vegetation shall be applied on areas that will remain unfinished for more than thirty calendar days. (3) Permanent soil stabilization with perennial vegetation or pavement shall be applied as soon as practic after final grading. Irrigation and maintenance of the perennial vegetation shall be provided for thirty calendar days or until the vegetation takes root, whichever is shorter. (c) Structural Controls (1) Storm water flowing toward the construction area shall be diverted by using appropriate control measures, as practical. Erosion control mea | | | | |
| (3) | | ent. a manner that the discharge shall not cause or contribute to a violation of a as specified in HAR, Chapter 11-54, Section 11-54-4. | | |
| Additional and/or Site Controls for the Proje | • | Construction Plans, various sections of this form and in the "Attachment to | | |

| C8.l | o.v. Erosion and Sediment Control Requirements - Please selo | ect only one of the following. | | | | |
|-------------|---|--|--|--|--|--|
| C | i. The county-approved erosion and sediment control plan and activity and a schedule for implementing each control is attach | l/or grading permit , where applicable, as appropriate for the led to the NOI. | | | | |
| (| ii. The county-approved erosion and sediment control plan and/or grading permit, where applicable, as appropriate for the | | | | | |
| C | iii. The county-approved erosion and sediment control plan ar written determination is attached or the contact information is | nd/or grading permit , where applicable, is not required. The as follows: | | | | |
| 1 | Date of Letter or Name, Department, Phone Number, and Date Contacted | | | | | |
| C.8. | b.vi. Construction Schedule - Attach the proposed construction | on schedule which shall include, at a minimum: | | | | |
| (1) | The date when erosion control measures will be implemented. | See "Attachment to CWB-NOI Fo | | | | |
| | The date when the general contractor will begin the site urbance. | See "Attachment to CWB-NOI Fo | | | | |
| (3) | The date when major construction activities begin. | See "Attachment to CWB-NOI Fo | | | | |
| | The proposed timetable for or activities. See "Attachment to CWB-NOI Fo | rm C" | | | | |
| (5) | The date when major construction activities end. | See "Attachment to CWB-NOI Fo | | | | |
| | The date when the general contractor will end the site urbance. | See "Attachment to CWB-NOI Fo | | | | |
| (7) | The date when erosion control measures will be removed. | See "Attachment to CWB-NOI F | | | | |
| C.8 | c. The Site-Specific Construction BMPs Plan - Please select or | ne. | | | | |
| C | | II. Responses and attachments for all of Items C.8.a. and C.8.b. are | | | | |
| • | The Site-Specific Construction BMPs Plan will be submitted at | least 30 calendar days before the start of construction activities. | | | | |
| the | . Post-Construction Pollutant Control Measures - Please insert following choices. The description of measures that will minimi struction operations have been completed are as follows: | t the requested information in the space provided or select one of ze the discharge of pollutants via storm water discharge after | | | | |
| S | ee "Attachment to CWB-NOI Form C" | | | | | |
| K | The description of measures that will minimize the discharge operations have been completed are attached. | | | | | |
| . | The description of measures that will minimize the discharge operations have been completed will be submitted at least 30 | calendar days before the start of construction activities. | | | | |
| C. 1 | 0. Additional Information Final Environmental Assessment be included. | (EA), Hazardous Materials Survey Reports and Drainage Report will | | | | |
| alantijaan | Print Form Submit by Email | | | | | |

ATTACHMENT to CWB-NOI FORM C

SUPPORTING DOCUMENTS (dated April 2009)

C.2. QUANTITY OF STORM WATER DISCHARGE

Based on the total project area, including undisturbed areas within the project limits, the volume of stormwater discharge is calculated using the Rational Method and guidelines in the City and County, Department of Planning and Permitting, "Rules Relating to Storm Drainage Standards", dated January 2000.

| Runoff Coefficient, C | = | 0.6 | Table 2 |
|----------------------------|------------------|--|---|
| 10-year 1-hour Rainfall, i | = | 2.5 | Plate 1 |
| Site Area | = = = | 0.55 ac 0.83 ac 0.19 ac 1.57 ac | (North of Stream) (South of Stream) (South of Stream, to Kupohu St.) (Total Area) |
| Time of Concentration, To |) = | 9 min. | Plate 3 |
| Correction Factor, CF | = | 2.4 | Plate 4 |
| Flow, Q | = = = = | 0.6(2.5)(2.4) | A)(0.55) = 1.98 cfs (North))(0.83) = 2.99cfs (South))(0.19) = 0.68 cfs (Kupohu) 5.65 cfs (Total) |

C.5. FLOW CHART

Refer to Figure 7 – Flow Chart.

C.6. EXISTING OR PENDING PERMITS, LICENSES OR APPROVALS

A. Other NPDES Permit or NGPC File No.:

CWB-NOI Form G will be submitted. Permit number pending.

B. Department of the Army Permit (Section 404):

Department of the Army Nationwide Permit will be submitted. Permit number pending.

C. Facility on SARA 313 List (identify SARA 313 chemicals on project site):

N/A

D. RCRA Permit (Hazardous Wastes):

N/A

E. Section 401 Water Quality Certification:

Section 401 Water Quality Certification will be submitted. Permit number pending.

F. Department of Land and Natural Resources State Historic Preservation Division:

To be submitted at a later date.

G. Others:

SCAP will be prepared. Permit number pending.

C.7.b.(vii) DESCRIBE ANY EXISTING POLLUTION SOURCE(S)

Lead-based paint and asbestos containing building materials were determined to be present in three (3) of the existing residential structures to be demolished and removed. The residential structures are located at 45-720 Pilina Way (TMK 4-5-24:5), 45-714 Pilina Way (TMK 4-5-24:3) and 45-708 Pilina Way (TMK 4-5-24:2).

C.7.c. POLLUTION SOURCES CORRECTIVE MEASURES:

Lead-based paint, if needed, will be removed by a qualified lead abatement contractor. Handling and disposal of lead-based paint will be according to the Occupational Safety and Health Administration (OSHA) and Hawaii Occupational Safety and Health Division (HIOSH) lead standard requirements and in compliance with 29 CFR 1926.2.

Asbestos containing materials will be removed and disposed of by a qualified asbestos abatement contractor. Removal activities will comply with applicable Environmental Protection Agency (EPA), OSHA and HIOSH regulations pertaining to the handling of asbestos containing material.

C.8.b. CONSTRUCTION BMPs PLAN

Refer to Figure 10 – Erosion Control Plan.

C.8.b.i. CONSTRUCTION ACTIVITY

(1) What is to be constructed (e.g., the entire scope of the construction activity)?

The nature of the construction activity consists of stream and streambank stabilization measures. The project will consist of the construction of drainage improvements within a portion of Kapunahala Stream. Existing residential structures will be demolished and removed.

(2) If the project is a multi-phase construction project, include a list of each phase.

N/A - One phase only

(3) What type of materials and heavy equipment will be used for the construction activity?

Materials:

Concrete, reinforcing steel, asphalt concrete, galvanized steel wire, rock, rip-rap, crushed rock, cushion material, geotextile fabric, polyvinyl chloride (PVC) pipes, vinyl fencing and gates, and fence posts

Heavy Equipment to be used:

Backhoe, front-end loader, concrete truck, compactor, dump truck, fork-lift, drill rig, crane, paving equipment, grader

C.8.b.iii. QUALITY OF DISCHARGE

The fill material will consist of reinforced concrete, gabions (galvanized wire baskets and rocks), grouted rip-rap, crushed rock, cushion material, micropiles, polyvinyl chloride (PVC) pipes, geotextile fabric and topsoil. The existing soil consists of Hanalei silty clay, which has a slow runoff and a slight erosion hazard.

C.8.b.iii. POTENTIAL POLLUTANT(S) & PROPOSED CONTROL MEASURES

| Activity / Pollutants | Proposed Control Measures |
|--|--|
| Construction debris, removed vegetation | Covered waste dumpsters that meet City and State waste management regulations will be used for discarded construction debris and non-hazardous wastes. The waste dumpsters shall be emptied at an approved landfill site, periodically or when they become full. Hazardous materials shall be handled, tested and disposed of in accordance with City and State regulations. Onsite storage areas shall be designated for the stockpiling of removed vegetation. The vegetative matter shall be taken to and discarded at an approved green waste recycling facility. |
| Discharges associated with the operation and maintenance of the equipment, such as oil, fuel and hydraulic fluid leakage | All equipment, machinery and vehicles used onsite shall be monitored and inspected for leaks. Any equipment, machinery or vehicle exhibiting signs of leakage shall be immediately repaired or taken offsite for repairs before being allowed to continue work onsite. Any oil, fuel or other fluid needed for the operation of equipment, machinery or vehicles shall be kept in leak-proof vessels suited for the intended purpose and liquid being contained. The liquids shall be temporarily stored in a covered area according to the manufacturer's requirements and only in limited quantities necessary for daily operation of the equipment, machinery or vehicle. No liquids shall be allowed to be stored onsite overnight. |
| Soil erosion from the disturbed areas and stockpile areas | Site disturbance activities shall comply with the conditions of HAR, Chapter 11-55, Appendix C, under Special Conditions for Land Disturbance (also stated in C.8.b.iv. of this permit application). Measures to control erosion and other pollutants shall be in place before soil disturbance is initiated. The measures shall be properly constructed and maintained throughout the construction duration. Refer to "Best Management Practices Manual for Construction Sites in Honolulu", dated May 1999. Check and repair all erosion control measures as necessary All temporary measures are to remain in place until permanent measures are in-place and established. |
| Location(s) of oil, fuel or any hazardous material storage site(s) and containment structure(s) | Oil and fuel will be stored at the Contractor's facility and brought to the project site only when, and in the amount needed. Oil and fuel shall be kept in a secure area protected from stormwater while onsite. Unused oil and fuel shall be returned to the Contractor's storage area at the end of the workday. |
| Discharges associated with emulsified asphalt or prime/tack coat | Emulsified asphalt shall be used according to the manufacturer's instructions and shall not be applied during or when inclement weather is imminent. Only the amount needed to complete the job being performed shall be used. In the event of spillage, clean up immediately according to manufacturer's instructions and to the Spill Control Plan described in the Construction Drawings. |

| Discharges associated with painting and paint wash solvent/water | N/A, no work of this nature is anticipated. |
|--|---|
| Industrial chemicals, fertilizers, and/or pesticides | The products, if needed, will be stored at the Contractor's facility and brought to the project only when needed. The products will be stored in a secure area protected from stormwater while onsite. Good housekeeping practices will be followed and shall include: following the manufacturer's recommendations for proper use and disposal; using only the minimum amounts recommended; keeping products tightly sealed in their original containers with original manufacturer's label. |
| Other Sources | N/A, no other apparent sources. |

C.8.b.vi. CONSTRUCTION SCHEDULE

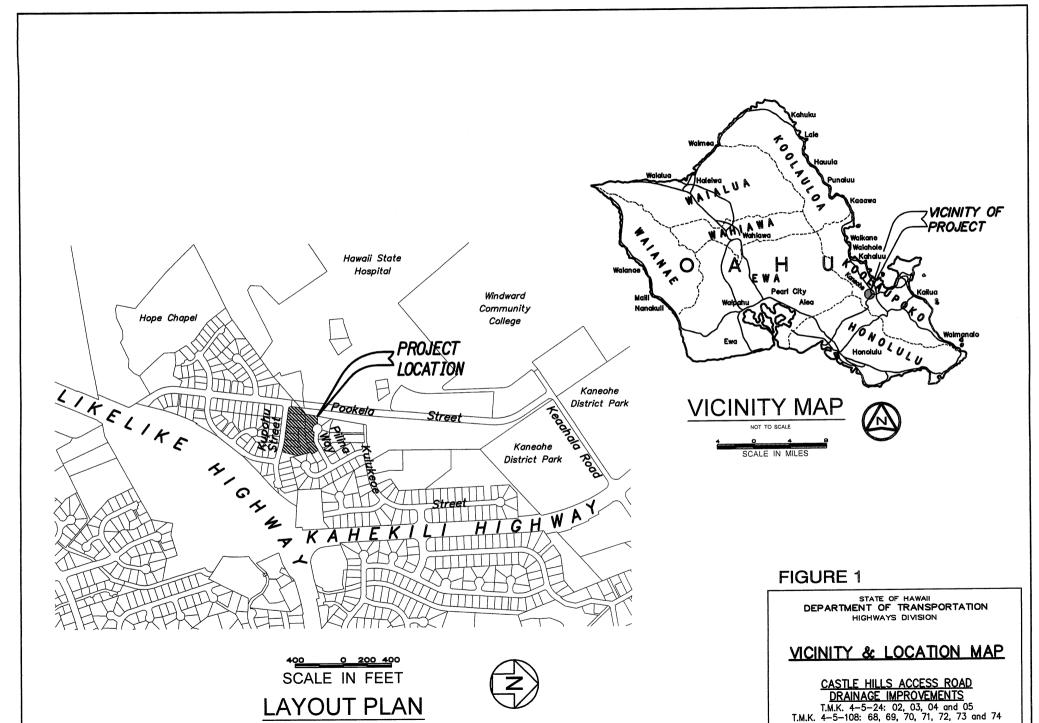
Refer to Figure 17 – Castle Hills Access Road, Drainage Improvements Tentative Construction Schedule for specific dates for the various construction activities listed in items (1) through (7).

C.9. POST-CONSTRUCTION POLLUTANT CONTROL MEASURES

Generally, most of the existing impermeable areas within the project limits will be removed as part of the work. Impermeable areas include ten (10) homes, and their associated paved driveways, and walkways. All areas disturbed by construction activity will be hydromulch seeded as soon as practicable. These areas, once fully established, will provide better pollutant mitigation than the previously removed hardscapes.

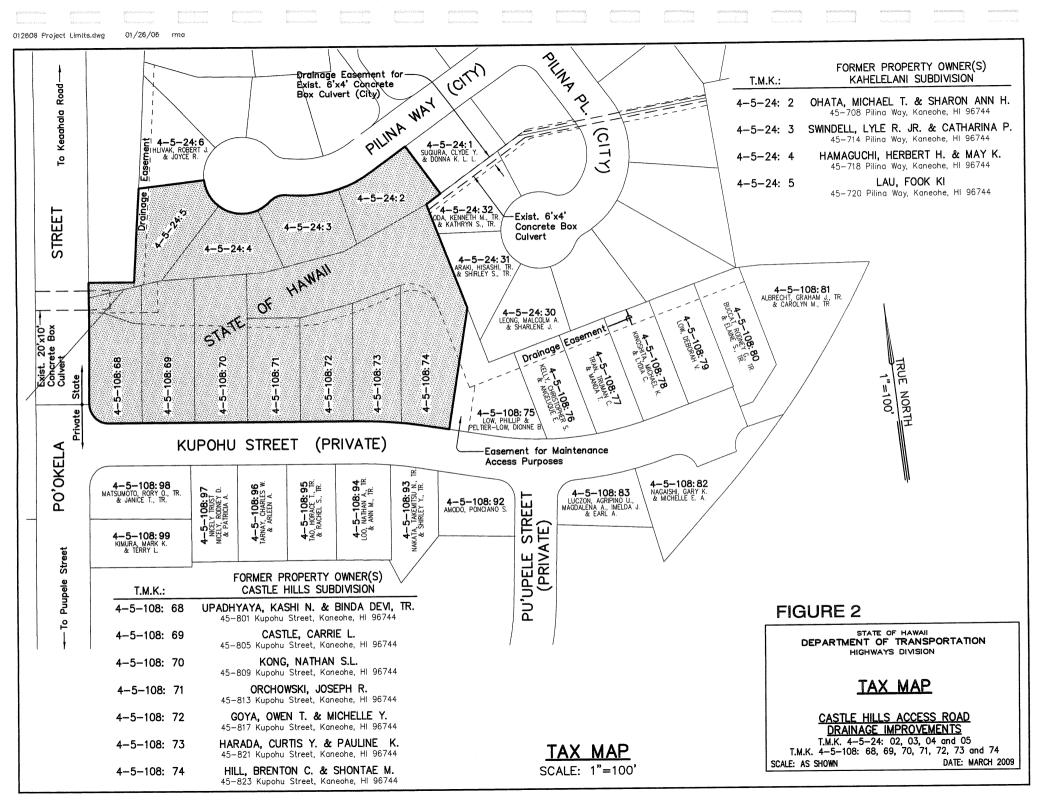
The installation of a new concrete drainage outlet with gabion walls at the oulet apron and along the stream banks will also be included as part of the work. These new structures will provide permanent erosion control and slope stability to the bank and stream areas.

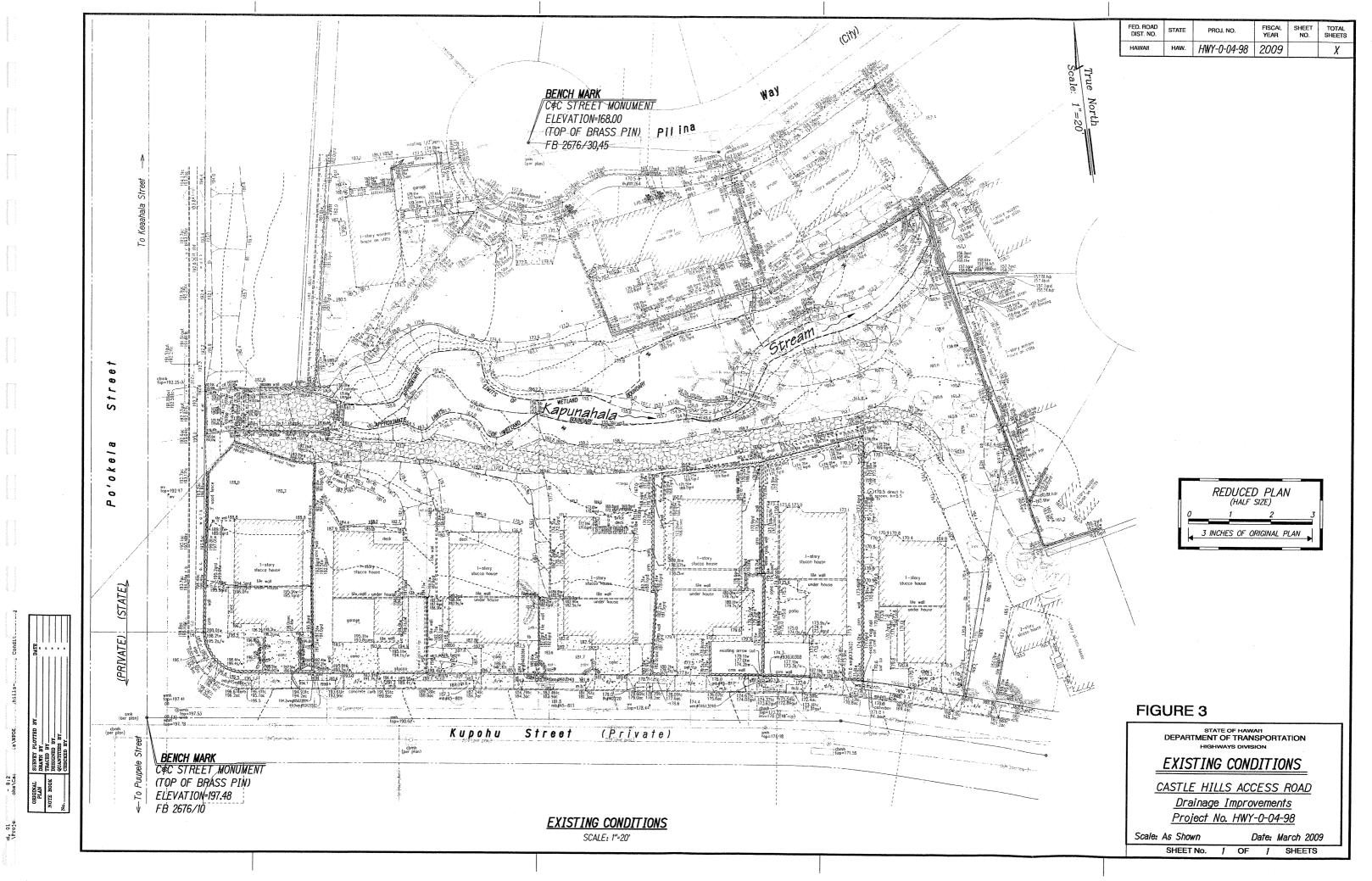
Long-term erosion from the project site will be reduced as a result of the decreased impermeable surfaces, increased permeable grassed areas, proposed drainage outlet improvements, proposed landscape improvements and bank stabilization measures.

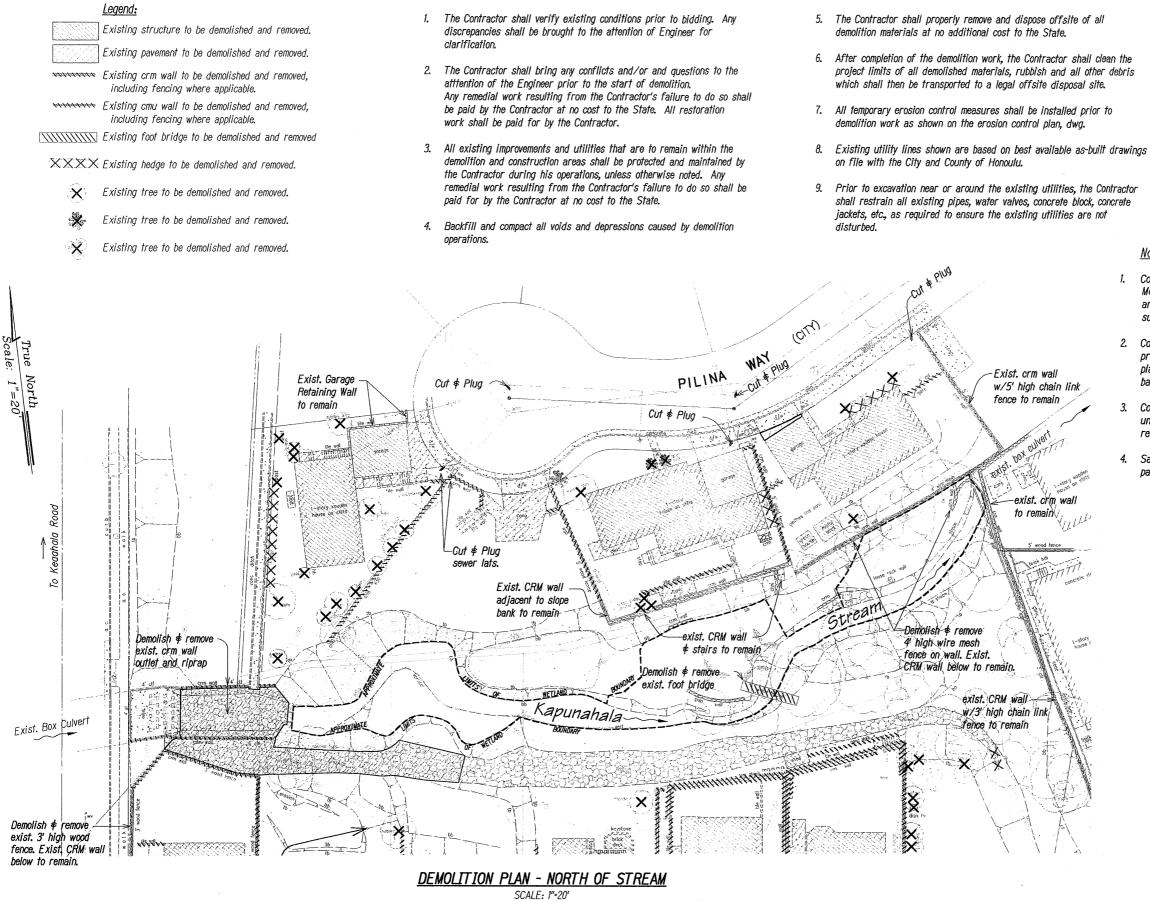


DATE: MARCH 2009

SCALE: AS SHOWN







General Demolition Notes:

FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL YEAR NO. SHEET NO. SHEETS

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Notes:

- Contractor to cut and plug existing unused water laterals at the main. Meter and valve boxes shall be demolished and removed. The damaged areas shall be repaired to an equal or better condition than the surrounding area.
- Contractor to cut and plug existing unused sewer laterals at the property line. Existing sewer cleanouts, whether or not shown on the plans shall be demolished and removed. The existing holes shall be backfilled and compacted with aggregate based course.
- Contractor to locate, cap, cut and plug, and abandon all existing unused electric telephone and cable conduits at the property line after removal of conductors.
- Salvage clean and reuse rock for the new CRM Walls and grouted riprap paving (grp) slope protection.

REDUCED PLAN
(HALF SIZE)
0 1 2 3
3 INCHES OF ORIGINAL PLAN

FIGURE 4

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

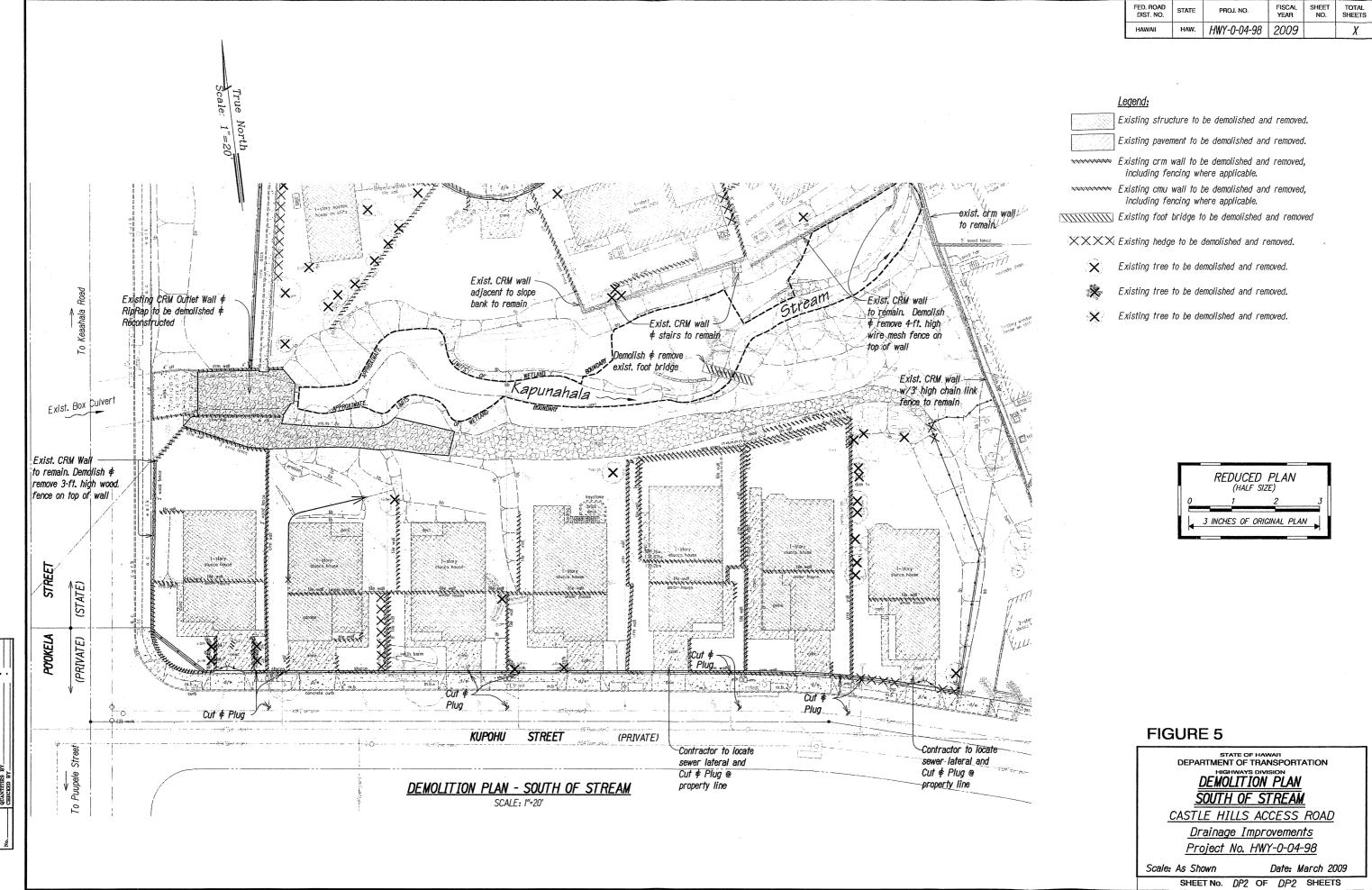
<u>DEMOLITION PLAN</u> NORTH OF STREAM

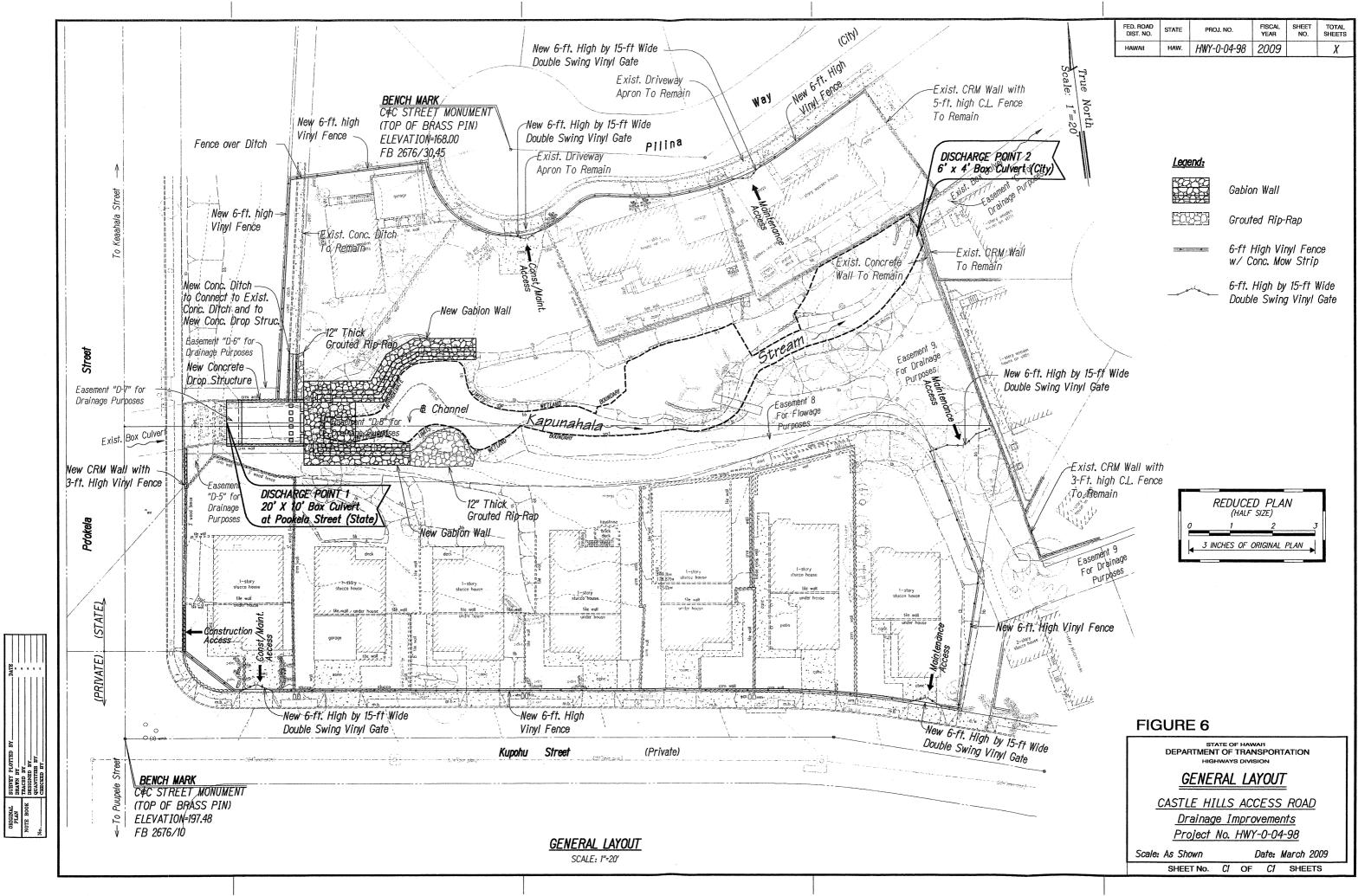
<u>CASTLE HILLS ACCESS ROAD</u> <u>Drainage Improvements</u>

Project No. HWY-0-04-98

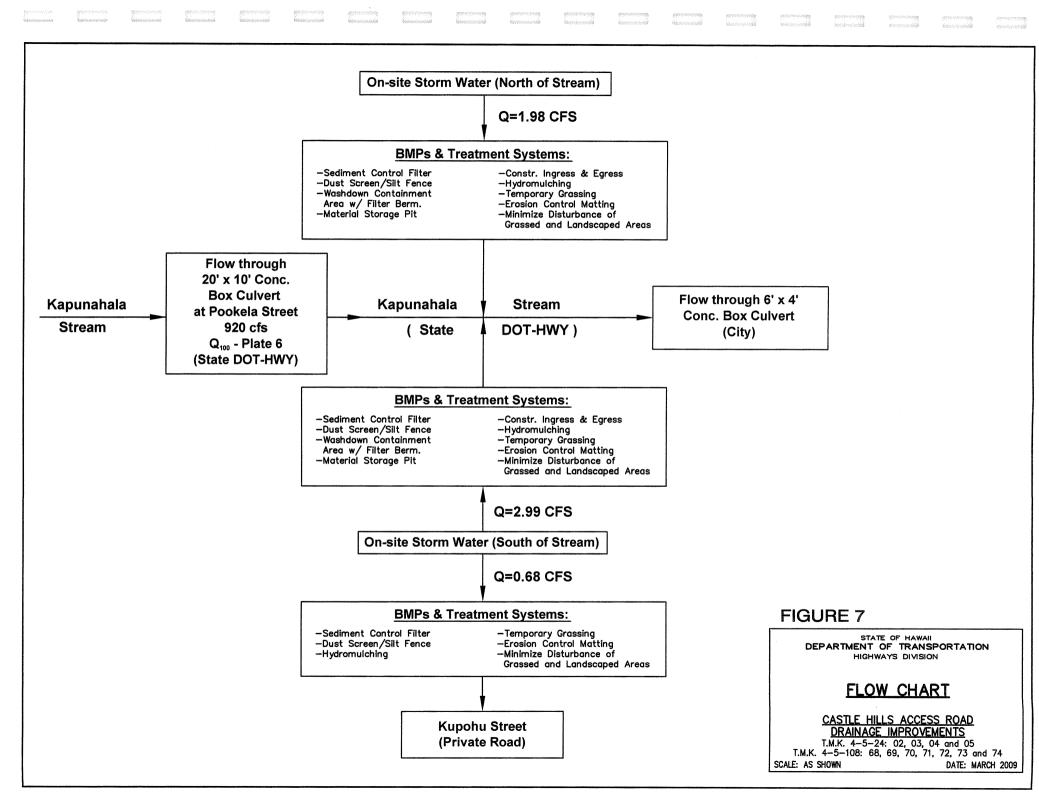
Scale: As Shown Date: March 2009

SHEET No. DPI OF DP2 SHEETS





Ap ects/kaneche\Castle Hills\NPDES\Figure 6 - General Layout.d



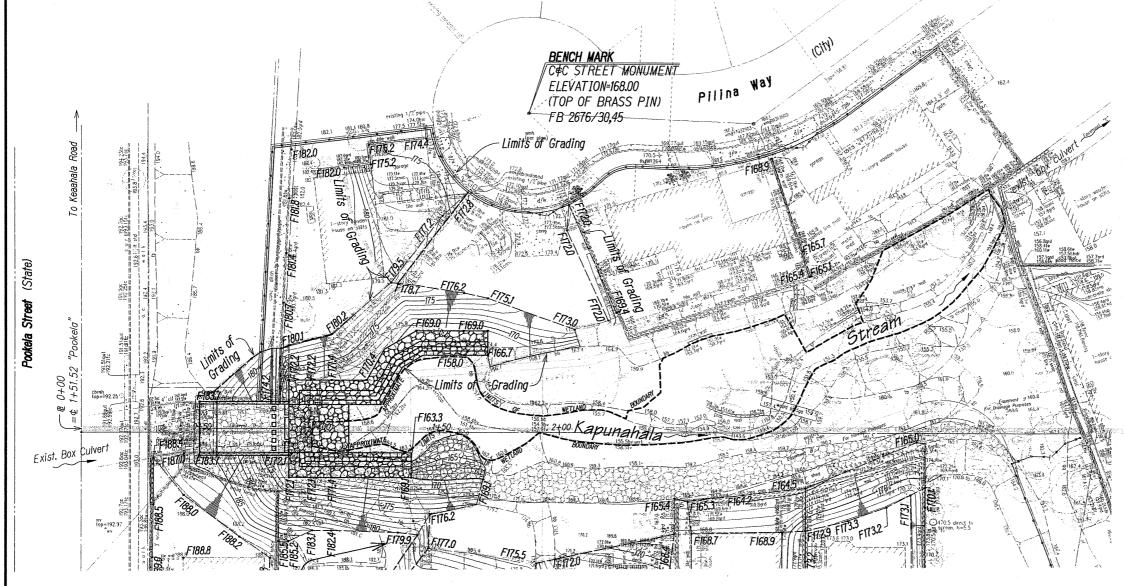
TOTAL SHEETS FED. ROAD DIST. NO. SHEET NO. HAWAII HWY-0-04-98 2009

Legend:

Finish 5-ft Contour Finish 1-ft Contour Existing 5-ft Contour Existing 1-ft Contour Limits of Grading Finish Grade Elevation F179<u>.</u>9 182,0 Existing Ground Elevation

Grade Bank

REDUCED PLAN (HALF SIZE)



Match Line (See Sheet *)

FIGURE 8

STATE OF HAWAI'I DEPARTMENT OF TRANSPORTATION

GRADING PLAN NORTH OF STREAM

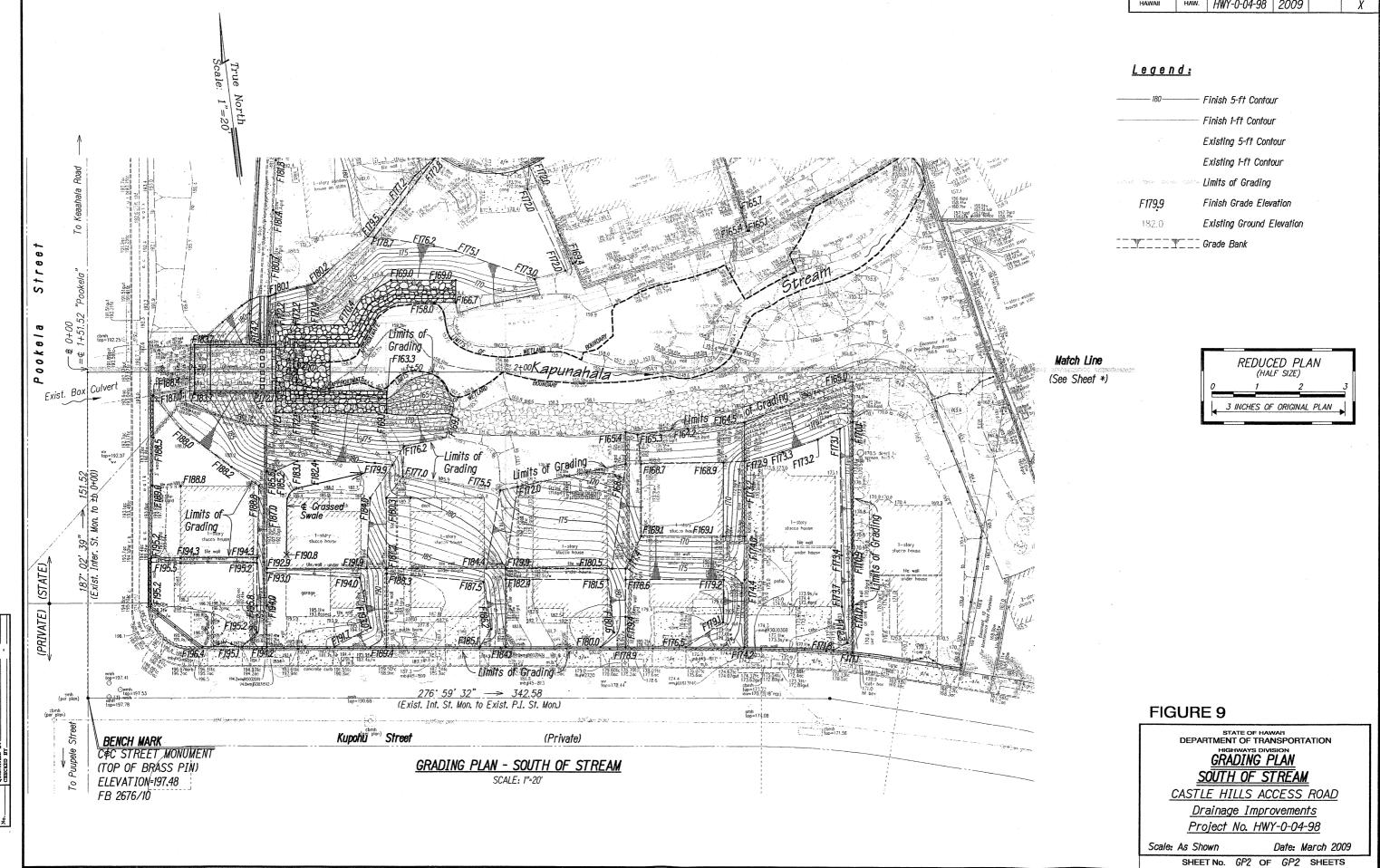
CASTLE HILLS ACCESS ROAD

Drainage Improvements Project No. HWY-0-04-98

Scale: As Shown

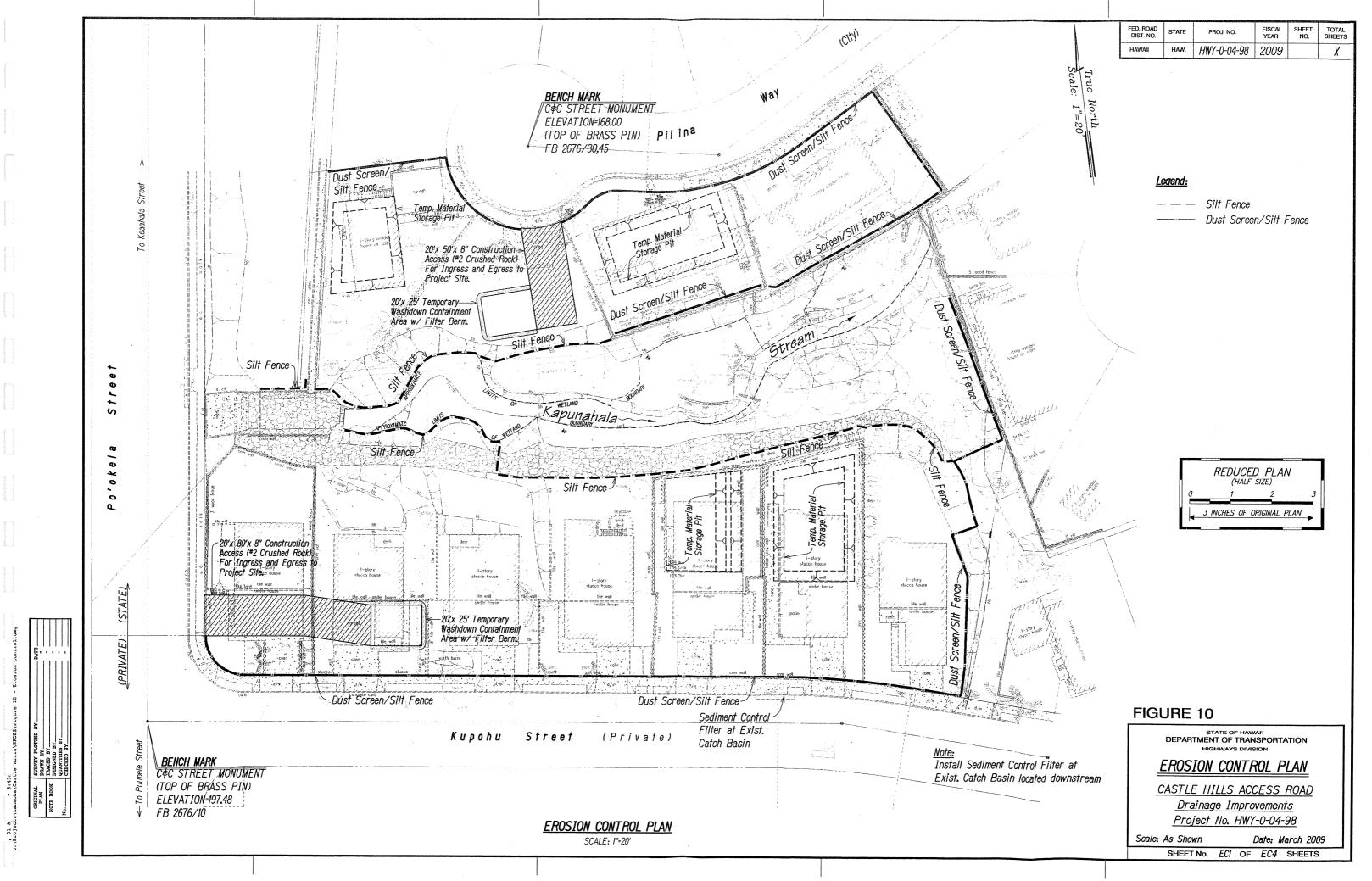
Date: March 2009 SHEET No. GP1 OF GP2 SHEETS

GRADING PLAN - NORTH OF STREAM SCALE: 1"=20'



 FED. ROAD DIST. NO.
 STATE
 PROJ. NO.
 FISCAL YEAR
 SHEET NO.
 TOTAL SHEETS

 HAWAII
 HAW.
 HWY-0-04-98
 2009
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WATER POLLUTION AND EROSION CONTROL NOTES:

A. GENERAL:

- The Contractor is reminded of the requirements of Section 209 - Temporary Water Pollution, Dust, and Erosion Control, in the Special Provisions. Section 209 describes but is not limited to: submittal requirements; scheduling of a water pollution and erosion control conference with the Engineer; construction requirements; method of measurement; and basis of payment.
- The Contractor shall follow the guidelines in the "Best Management Practices Manual for Construction Sites in Honolulu", dated May 1999 in developing, installing and maintaining the Best Management Practices (BMP) for the project.
- 3. The Engineer may assess liquidated damages of up to \$27,500 for non-compliance of each BMP requirement and each requirement stated in Section 209, for every day of non-compliance. There is no maximum limit on the amount assessed per day.
- 4. The Engineer will deduct the cost from the progress payment for all citations received by the Department for non-compliance, or the Contractor shall reimburse the State for the full amount of the outstanding cost incurred by the State.
- 5. For projects that require a NPDES Permit from the Dept. of Health, install a rain gage prior to any field work including the installation of any site-specific best management practices. The rain gage shall have a tolerance of at least 0.05 inches of rainfall, and have an opening of at lest one-inch in diameter. Install the rain gage on the project site in an area that will not deter rainfall from entering the rain gage opening. The rain gage installation shall be stable and plumbed. Do not begin field work until the rain gage is installed and site-specific best management practices are in-place.

B. WASTE DISPOSAL:

1. Waste Materials:

All waste materials shall be collected and stored in a securely lidded metal dumpster. The dumpster shall meet all local and State solid waste management regulations. All trash and construction debris from the site shall be deposited in the dumpster. The dumpster shall be emptied a minimum of twice per week or as often as is deemed necessary. No construction waste materials shall be buried onsite. The Contractor's supervisory personnel shall be instructed regarding the correct procedure for waste disposal. Notices stating these practices shall be posted in the office trailer and the Contractor shall be responsible for seeing that these procedures are followed.

2. Hazardous Waste:

All hazardous waste materials shall be disposed of in the manner specified by local or State regulation or by the manufacturer. The Contractor's site personnel shall be instructed in these practices and shall be responsible for seeing that these practices are followed.

 Sanitary Waste:
 All sanitary waste shall be collected from the portable units a minimum of once per week, or as required.

C. EROSION & SEDIMENT CONTROL INSPECTION & MAINTENANCE PRACTICES:

- All control measures shall be inspected at least once each week and within 24 hours following any rainfall event of 0.5 inches or greater. Submit a copy of the inspection report to the Engineer, no later than 1 week from date of inspection.
- 2. All measures shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after the inspection.
- 3. Built-up sediment shall be removed from silt fence when it has reached one-third the height of the fence.
- 4. Silt screen or fence shall be inspected for depth of sediment, tears, to verify that the fabric is securely attached to the fence posts or concrete slab and to verify that the fence posts are firmly in the ground.
- 5. Temporary and permanent seeding and planting shall be inspected for bare spots, washouts and healthy growth.
- 6. A maintenance inspection report shall be made promptly after each inspection by the Contractor.
- 7. The Contractor shall select a minimum of three personnel who shall be responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report.
- 8. Personnel selected for the inspection and maintenance responsibilities shall receive training from the Contractor. They shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.
- The Contractor shall contain, remove and dispose of slurry generated from sawcutting activities. Payment for containing, removing and disposing of slurry from sawcutting activities will be considered incidental to the various items.

D. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:

- 1. Materials Pollution Prevention Plan
 - a. Applicable materials or substances listed below are expected to be present onsite during construction. Other materials and substances not listed below shall be added to the inventory.

Concrete
Detergents
Paints (enamel and latex)
Metal Studs
Tar

Fertilizers
Petroleum Based Products
Cleaning Solvents
Wood
Masonry Block

- b. Material Management Practices shall be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff. An effort shall be made to store only enough product as is required to do the job.
- c. All materials stored onsite shall be stored in a neat, orderly manner in their appropriate containers and if possible under a roof or other enclosure.
- d. Products shall be kept in their original containers with the original manufacturer's label.

| e. | Substances | shall | not | be | mixed | with | one | another | unlesa |
|----|------------|-------|-----|-----|---------|------|-----|---------|--------|
| | recommende | d by | the | mar | nufactu | rer. | | | |

- f. Whenever possible, a product shall be used up completely before disposing of the container.
- g. Manufacturer's recommendations for proper use and disposal shall be followed.
- h. The Contractor shall conduct a daily inspection to ensure proper use and disposal of materials onsite.
- 2. Hazardous Material Pollution Prevention Plan
 - a. Products shall be kept in original containers unless they are not resealable.
 - b. Original labels and material safety data sheets (MSDS) shall be retained.
 - c. Surplus products shall be disposed of according to manufacturers' instructions or local and State recommended methods.
- 3. Onsite and Offsite Product Specific Plan
 - The following product specific practices shall be followed onsite:
 - Petroleum Based Products: All onsite vehicles shall be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products shall be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used onsite shall be applied according to the manufacturer's recommendation.
 - 2) Fertilizers: Fertilizers used shall be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer shall be worked into the soil to limit exposure to storm water. Storage shall be in a covered shed. The contents of any partially used bags of fertilizer shall be transferred to a sealable plastic bin to avoid spills.
 - 3) Paints: All containers shall be tightly sealed and stored when not required for use. Excess paint shall not be discharged to the highway drainage system but shall be properly disposed of according to manufacturers' instructions or State and local regulations.
 - 4) Concrete Tructs: Concrete trucks shall be allowed to wash out or drum wash water only at designated sites. Water shall not be discharged in the highway drainage system or waters of the United States. The Contractor shall contact Drinking Water Branch, Department of Health at 586-4258 to receive permission to designate a disposal site. The Contractor shall clean disposal site as required or as requested by the Owner's representative.



- FED. ROAD DIST. NO. STATE PROJ. NO. FISCAL SHEET NO. SHEETS

 HAWAII HAW. HWY-0-04-98 2009 5 X
- b. Offsite Vehicle Tracking: A stabilized construction entrance shall be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance shall be cleaned daily or as required to remove any excess mud, cold planed materials, dirt or rock tracked from the site. Dump trucks hauling material from the construction site shall be covered with a tarpaulin.

4. Spill Control Plan

- a. A spill prevention plan shall be posted and adjusted to include a description and cause of each spill, measures to prevent and clean up each spill.
- b. The Contractor shall be the spill prevention and cleanup coordinator. The Contractor shall designate at least three site personnel who shall receive spill prevention and cleanup training. These individuals shall each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel shall be posted in the material storage area and in the office trailer onsite.
- c. Manufacturers' recommended methods for spill cleanup shall be clearly posted and site personnel shall be made aware of the procedures and the location of the information and cleanup supplies.
- d. Materials and equipment necessary for spill cleanup shall be kept in the material storage area onsite.
- e. All spills shall be cleaned up immediately after discovery.
- f. The spill area shall be kept well ventilated and personnel shall wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- g. Spills of toxic hazardous material shall be reported to the appropriate State or local government agency, regardless of the size.

E. PERMIT REQUIREMENTS:

- 1. A National Pollutant Discharge Elimination System (NPDES)
 Permit is required for Construction Activities of one (1) acre
 or more, the Contractor shall submit to the Engineer, six
 sets of the Water Pollution and Erosion Control Submittals
 as detailed in Subsection 209.04 of the specifications.
- The Contractor shall comply with all applicable State and Federal Permit conditions. Permit may include but are not limited to the following: NPDES Permit for Construction Activities

FIGURE 11

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WATER POLLUTION AND
EROSION CONTROL NOTES
CASTLE HILLS ACCESS ROAD
Draipage Improvements

<u>Drainage Improvements</u> <u>Project No. HWY-0-04-98</u>

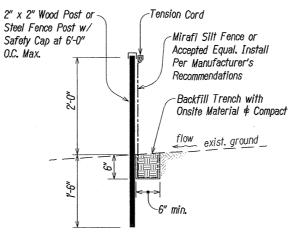
Scale: As Shown

Date: March 2009

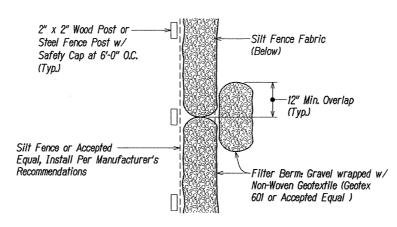
SHEET No. ECP 2 OF ECP 4 SHEETS

BEST MANAGEMENT PRACTICES (BMP's) NOTES:

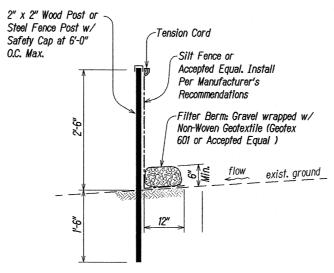
- 1. The Contractor shall install the erosion control measures at the locations shown, or as directed by the Engineer, as soon practicable.
- 2. The construction ingress and egress shall be constructed with 8" thick crushed rock (#2 coarse) layer over geotextile fabric (Geotex 250ST or accepted equal) to the dimensions and at the locations shown on the phasing plans. Should the Contractor require an ingress and egress other than what is shown on the plans, the Contractor shall be responsible to obtain all necessary approvals, including relocating the crushed rock area as required.
- 3. Slopes and exposed areas shall be sodded or planted as soon as final grades have been established. Planting shall not be delayed until all grading has been completed. Grading to final grade shall be continuous and any area within which work has been interrupted or delayed shall be planted.
- 4. All Best Management Practices (BMP's) shall not be removed until all permanent erosion control controls are in place and established.
- 5. The Contractor shall cover the openings to all existing and proposed storm drain inlets with a filter system until permanent ground cover is established. Maintenance of inlet filters by the Contractor shall be included for the duration of the project.
- 6. At the ending of grading operations, existing storm drain inlets and manholes surrounding the project site shall be inspected and any accumulated sediment and debris found in the drain structures shall be removed. Flushing into the inlets and manholes is prohibited.



SECTION (FOR NON-ROCK AREAS)



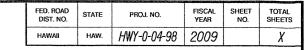
PLAN (FOR ROCK AREAS ONLY)



SECTION (FOR ROCK AREAS ONLY)

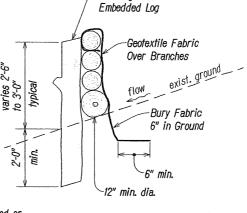
TYPICAL SILT FENCE DETAIL

Not to Scale

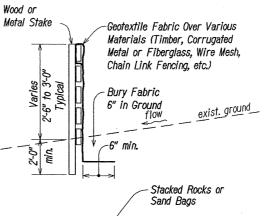


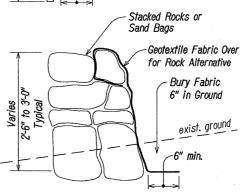
Flow (Typ.)

Existing Drain Inlet



Existing Tree or





SEDIMENT CONTROL DEVICES AND/OR ENERGY DISSIPATOR Not to Scale

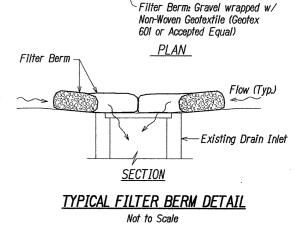




FIGURE 12

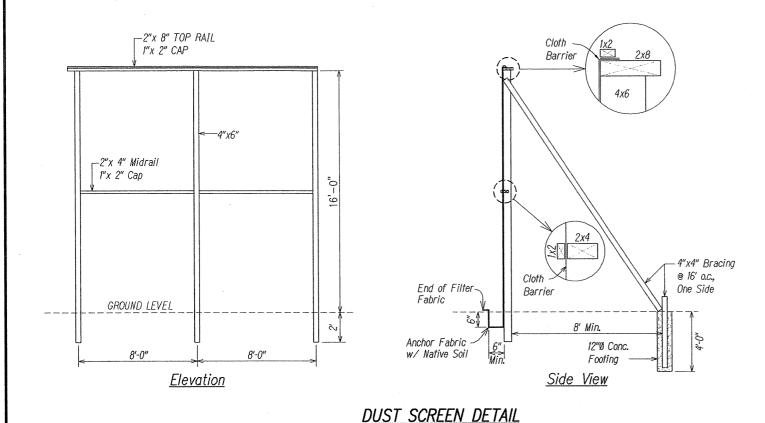
STATE OF HAWAIT
DEPARTMENT OF TRANSPORTATION **EROSION CONTROL** NOTES AND DETAILS CASTLE HILLS ACCESS ROAD

> Drainage Improvements Project No. HWY-0-04-98

Scale: As Shown

Date: March 2009 SHEET No. EC3 OF EC4 SHEETS

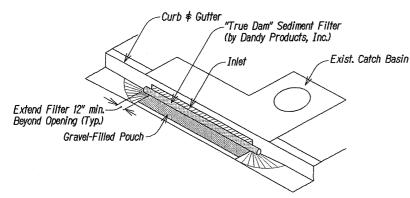
| | - | | | | |
|------------------------|-------|-------------|----------------|--------------|-----------------|
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| HAWAII | HAW. | HWY-0-04-98 | 2009 | | X |



Not to Scale

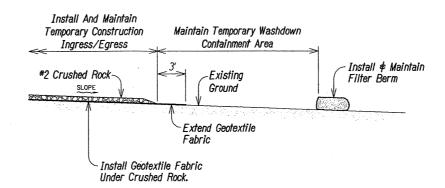
DUST SCREEN NOTES:

- The information provided is for the contractor's guidance as to the materials and overall dimensions required. The Contractor shall be responsible for the structural adequacy, maintenace and repair of the site barrier fence for the duration of the project.
- 2. Cloth barrier not shown in elevation view for clarity.
- 3. Cloth barrier shall be a "geotextile" or "nursery shade". Burlap is not an acceptable cloth barrier material.
- 4. Silt Fence may be combined with the dust barrier provided the bottom 2-ft. of the dust barrier including anchoring, is constructed with Mirafi Silt Fence or Accepted Equal and installed per manufacturer's recommendations.
- 5. Bury base of cloth barrier to indicated dimension, as shown.
- 6. 1x2 cloth barrier caps to be nailed 12" o.c.
- 7. Cloth to have no horizontal seams.
- 8. Vertical seams to be made over uprights only.
- 9. All seams to be capped with minimum of 1x2.
- 10. All joints to be securely fastened by mechanical means.



- Sediment control filters shall be constructed and maintained at all designated existing catch basins at the project site. It shall also be installed at catch basin downstream of the projects site on Pilina Way.
- 2. The contractor shall remove filters at times of Above normal rainfall events and replace them When the event has passed.

SEDITMENT FILTER CONTROL



TEMPORARY WASHDOWN CONTAINMENT AREA

Not to Scale



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

REDUCED PLAN (HALF SIZE)

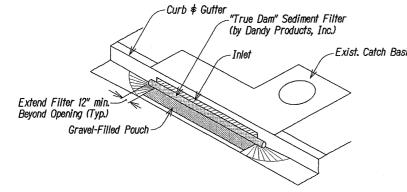
3 INCHES OF ORIGINAL PLAN

EROSION CONTROL DETAILS

CASTLE HILLS ACCESS ROAD Drainage Improvements

Scale: As Shown

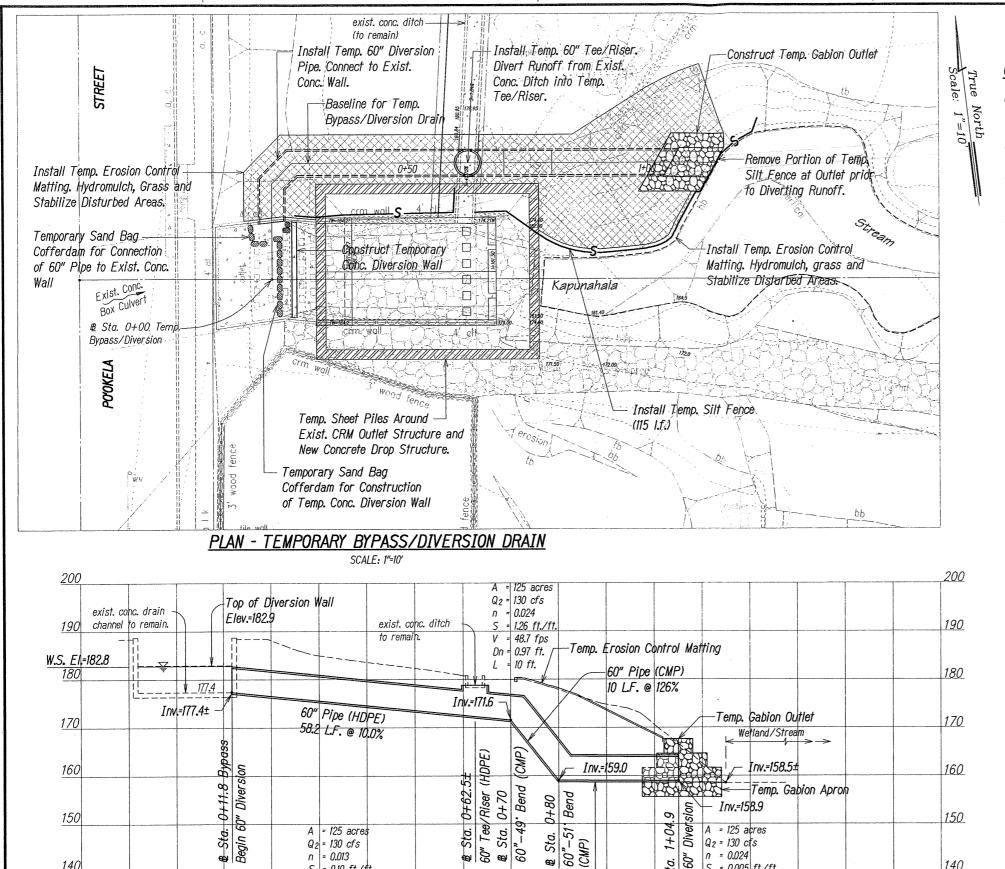
Date: March 2009



Project No. HWY-0-04-98

SHEET No. ECP4 OF ECP4 SHEETS

wed, 01 Apr 2009 - 8:42am D:\Projects\kaneohe\Castle



60" Pipe (CMP) -

24.9 L.F. @ 0.5%

n = 0.024

Vf = 6.6 fos

L = 24.9 ft.

Dn = Full

S = 0.005 ft/ft

140

140

1+50

Sta. d 60"

1+00

HWY-0-04-98 2009

CONSTRUCTION SEQUENCE FOR TEMP. BYPASS/DIVERSION DRAIN

- 1. Install temporary silt fence at gabion outlet, along stream, stream bank, exist, crm and concrete walls, and concrete ditch.
- 2. Construct temporary gabion outlet.
- 3. Install 60" bypass/diversion drain from temporary gabion outlet to exist.
- 4. Remove temporary silt fence at gabion outlet and divert runoff from concrete lined ditch into the 60" bypass/diversion pipe.
- 5. Install sand bag cofferdam at existing concrete wall for connection of the 60" bypass/diversion pipe.
- 6. Demolish exist. concrete headwall as required for connection of the 60" bypass/diversion pipe.
- 7. Connect the 60" bypass/diversion pipe to exist, concrete headwall.
- 8. Remove temporary sand bag cofferdam at exist. conc. headwall.
- 9. Install temporary sand bag cofferdam for construction of the temporary concrete diversion wall and divert stream to 60" pipe.
- 10. Construct temporary concrete diversion wall.
- 11. Remove sand bag cofferdam at temporary concrete diversion wall and divert the flow into the 60" bypass/diversion pipe.
- 12. Install temporary erosion control matting over trench backfill and other disturbed areas, then hydromulch, grass and stabilize disturbed areas.



FIGURE 14

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION

TEMPORARY STREAM DIVERSION PLAN

CASTLE HILLS ACCESS ROAD

Drainage Improvements Project No. HWY-0-04-98

Scale: As Shown

Date: March 2009

SHEET No. D2 OF D2 SHEETS



140

140

PROFILE - TEMPORARY BYPASS/DIVERSION DRAIN

0+50

= 0.013

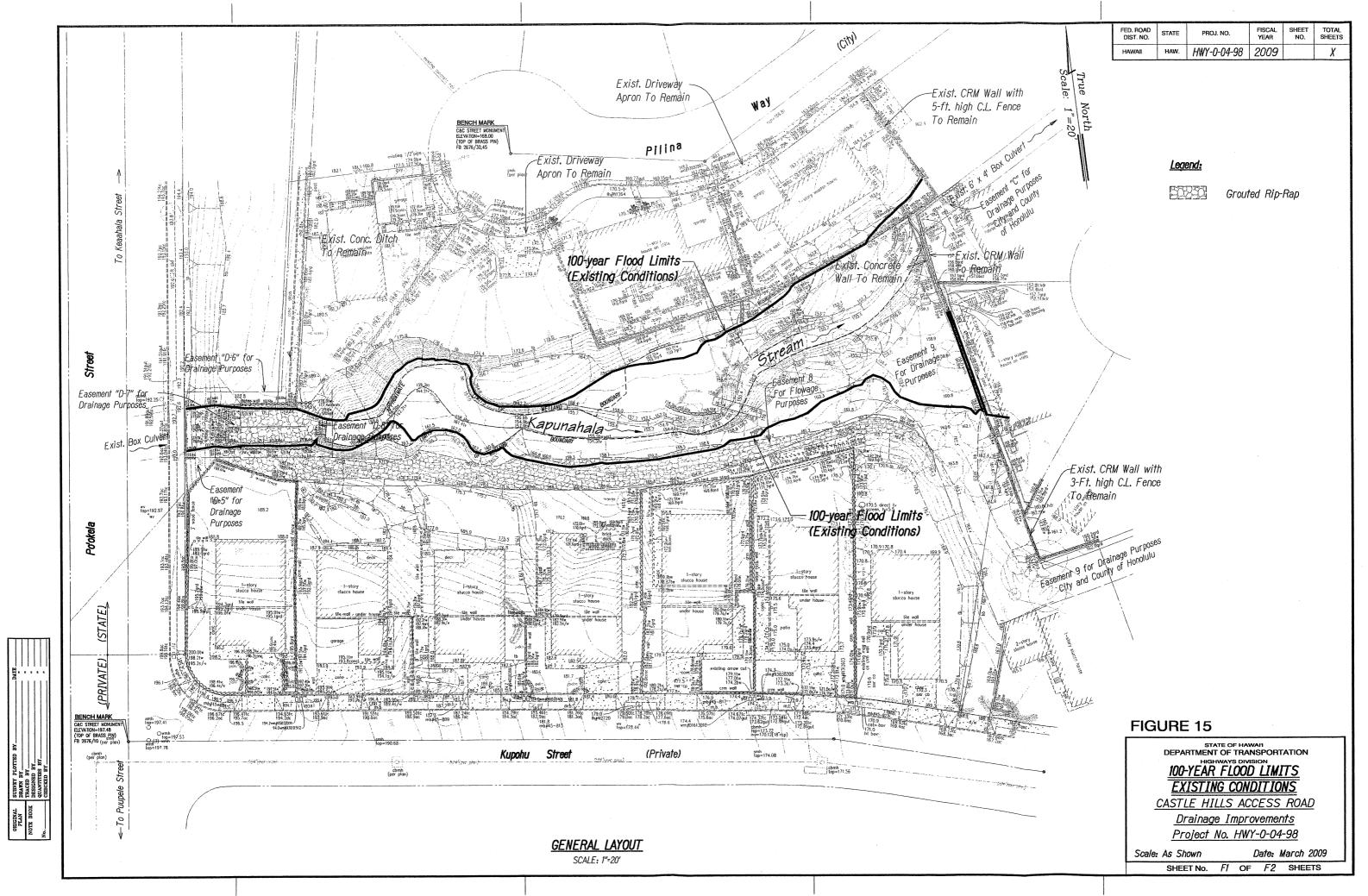
V = 30.6 fps

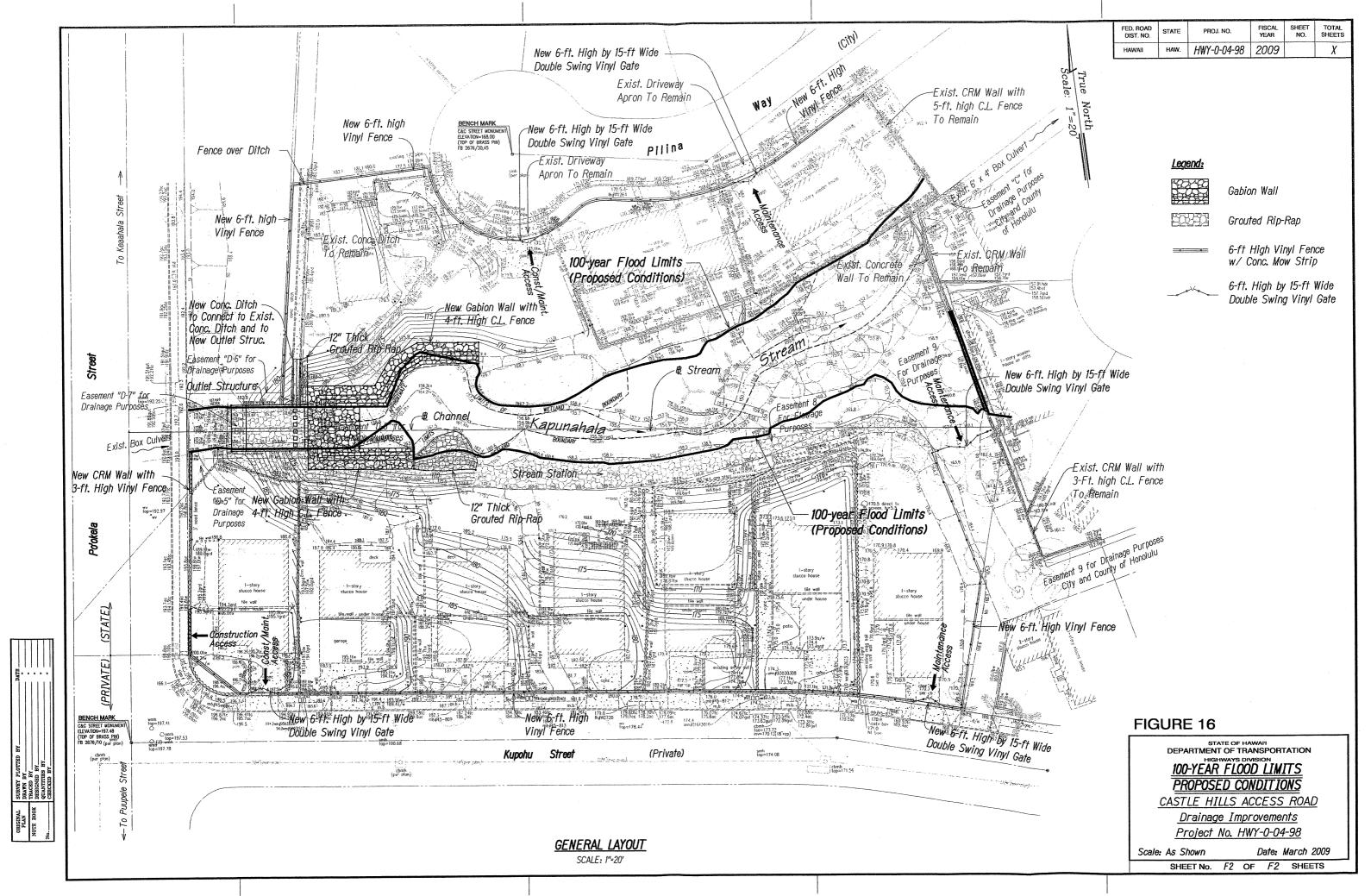
Dn = 1,34 ft.

L = 58.2 ft.

= 0.10 ft./1

Scale: 1"=10' (Bothways)





| | | | | ss Road, Draina Construction S | age Improvements Schedule |
|----|----------------------------------|----------|--------------|-----------------------------------|---|
| ID | Task Name | Duration | Start | Finish | 2010 201 Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan |
| 1 | Project | 370 days | Mon 7/27/09 | Fri 12/24/10 | |
| 2 | Advertise for Bids | 25 days | Mon 7/27/09 | Fri 8/28/09 | |
| 3 | Award | 65 days | Mon 8/31/09 | Fri 11/27/09 | |
| 4 | NTP | 0 days | Fri 12/25/09 | Fri 12/25/09 | 12/25 |
| 5 | Mobilize | 5 days | Mon 12/28/09 | Fri 1/1/10 | |
| 6 | Install Erosion Control Measures | 5 days | Mon 1/4/10 | Fri 1/8/10 | |
| 7 | Demolition | 15 days | Mon 1/11/10 | Fri 1/29/10 | lacksquare |
| 8 | Grading | 25 days | Mon 1/11/10 | Fri 2/12/10 | |
| 9 | Construct Bypass/Diversion | 10 days | Mon 2/1/10 | Fri 2/12/10 | |
| 10 | Construct Conc. Drop Structure | 110 days | Mon 2/15/10 | Fri 7/16/10 | |
| 11 | Construct Gabion Walls and Apron | 25 days | Mon 7/19/10 | Fri 8/20/10 | |
| 12 | Grading | 25 days | Mon 8/23/10 | Fri 9/24/10 | |
| 13 | Install Perimeter Fence | 15 days | Mon 9/27/10 | Fri 10/15/10 | |
| 14 | Landscaping | 20 days | Mon 10/18/10 | Fri 11/12/10 | |
| 15 | Fully Protected | 25 days | Mon 11/15/10 | Fri 12/17/10 | |
| 16 | Remove Erosion Control Measures | 5 days | Mon 12/20/10 | Fri 12/24/10 | |

Project: CHAR Construction Schedule Date: Wed 4/1/09

Task

Split

Progress

Milestone

External Tasks

External Milestone

External Milestone

Deadline