

Auala e Saunia Ai



Fuafuaga ma Puleaina O Tafia & Palapala

Mo Galuega
Faatino Laiti

VAEGA 1A, 1B, & 2



AAI & ITUMALO O
HONOLULU

SAMOAN

IULAI 2019

O galuega faatino e mafai ona mafua ai ona tafe le palapala ma isi gaogao i totonu o o tatou auvai ma vasa.



O galuega faatino e mafai ona folasiaina le palapala.

A i ai timuga, pe afai fo'i e faaoga se vai i luga o fanua saiti, e mafai e palapala ona tafe ese mai le saiti i totonu o talivai matagi.



O palapala ma isi gaosā e tafe i lalo o alavai.



O palapala ma isi gaosā e tafe aga'i i le sami.

Faaoga le faatinoga puipuia/Auala Puipuia Sili (BMPs) mo le tulaga faaleleia o vai o loo faamatalaina i lenei tamaitusi e puipuia ai tatou alavai ma vasa.



AAI & ITUMALO O HONOLULU

AUAULA E SAUNIA AI FUAFUAGA MA PULEAINA O TAFIA MA PALAPALA MO GALUEGA FAATINO LAITI

VAEGA 1A, 1B & 2

Faamoemoega o lenei Tamaitusi

O le faamoemoega o lenei tamaitusi o le faaleleia lea o tulaga o anoano tafea i totonu o vaegavai mo alavai matagi a le Aai ma faaitiitia mea faataumaoui i totonu o alavai ma vasa.

O lenei tamaitusi e mo galuega faatino mo pisinisi ma le lautele o loo manaomia se pemita faufale ma/po o se pemita o eliga ma i ai se Faagaioiga o Laufanua Faalavelaveina e itiiti ifo ma le tasi eka le telē. O galuega faatino masani e faaogā ai Faagaioiga o Laufanua Faalavelaveina e mafua ai sologa o mea faataumaoui i totonu o vaegavai mo talivai matagi a le Aai e aofia ai:

- Puipui taofi ma pa
- Toe Faaleleia O Faavae ma Toefauina
- Auala Savali ma Auala Taavale Faaleleia ma Toefauina
- Galuega Mo Talepega O Fale, Faaopoopoga, ma Fausia o Fale Fou
- Vai Taele
- Galuega Mo Meafale (pei o paipa, eletise, ma isi mea)

O nei galuega faatino e faavasegaina i vaega 1A, 1B, po o 2 Galuega Faatino po o Atina'ega Laiti. I le vaega o "Tulafono Patino i Faaleleia o Vai" (Tulafono Faalepulega a le Aai §20-3), Vaega 1A, 1B ma 2 Galuega Faatino e tatau ona i ai se Fuafuaga ma Puleaina o Tafua ma Palapala, e aofia ai se lisi o mea e fai, ata o le fanua saiti, ma faasologa o le galuega faatino. O lenei tamaitusi e fesoasoani atu i tagata e onafale ma konekarate i le fuafuaina o vaega o latou galuega faatino, maua ai se taitaiga mo le atina'eina o Fuafuaga Ma Puleaina O Tafua ma Palapala ma faamalamalama auala faaleleia o vai ma faatinoga o auala puipuia sili po o Best Management Practices (BMPs), e pei o totigiutu ma pa silita.

O Galuega Faatino Atina'e Laiti, e pei o le faatuina o pou mo pa, e manaomia ona i ai tusitusiga BMP e aofia i luga o galuega faasolo, ae e lē manaomia se Fuafuaga Ma Puleaina O Tafua ma Palapala.

O saiti o galuega faatino e saofaga i mea faataumaoui (e auai ma palapala) i totonu o vaegavai matagi a le Aai e oo i ni sala ma faasalaga.

FAAOGAINA O LENEI TAMAITUSI

O laasaga nei mo le faaogaina o lenei tamaitusi e iloa ai tulaga manaomia mo lou galuega faatino ma auala e uia ai.

LAASAGA		VAEGA O LE TAMAITUSI
1	Fuafua lau vaega o Galuega Faatino i le faaogaina o ata siata.	Vaiga Aoao
2	Iloilo Tulaga manaomia o vaega o galuega faatino.	Vaiga Aoao
3	Fuafua lau Auala Puipuia Sili (BMPs) e faaogā i le fanua saiti mo lou Galuega Faatino.	Faatinoga Puipuia/BMPs
4	Iloilo faataitaiga o fomu faatumu mo Galuega Faatino.	Ata O Le Fanua Saiti/ Mataupu Suesueina
5	Iloilo tulaga manaomia mo asiasiga.	Fomu Faataitai Mo Asiasiga

Mataitusi Tetele

Mo le laugatasia, o upu ma fuaiupu i mataitusi tetele ma ua faamatalaina e le Tulafono Patino i le Faaleleia o Vai a le Aai ma le Itumalo o Honolulu (§20-3-3) ua faaogaina ai mataitusi tetele i totonu o lenei tamaitusi.

AUALA E SAUNIA AI FUAFUAGA MA PULEAINA O TAFIA MA PALAPALA MO GALUEGA FAATINO LAITI

Vaega 1A, 1B, & 2

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FAAMATALAGA MA TUUTUUGA O PEMITA O ELIGA (VAAI I LE ITULAU 3)

Eliga soo se eliga pe faatumu po o le tuufaatasiga o mea nei.

pemita o Eliga e manaomia pe a eli le eleele i le 50 kupita iata pe sili atu pe 3 futu pe sili atu lona umi pe a suia le alavai e tusa ai ma laufanua tuaoi.

Faamamā O Laufanua soo se gaioiga e faaogāina ai pupulaau, e aofia ai laau, laupapa, togavao ma mea totō ua faaumatia mai le laufanua. Pemita O Faamamā O Laufanua e manaomia pe afai o faamamāina o laufanua e 15,000 sf pe sili atu.

Faaputuga Uta O uta lē tumau o sili atu ma le 100 iata kupita i luga o se fanua e lē aofia ai fanua o loo faogā ai pemita o eliga ua faatulagaina mo le faaogāina e faatumu ai le eleele i se isi laufanua mo se taimi o i luma.

LAUFANUA FAALAVELAVEINA

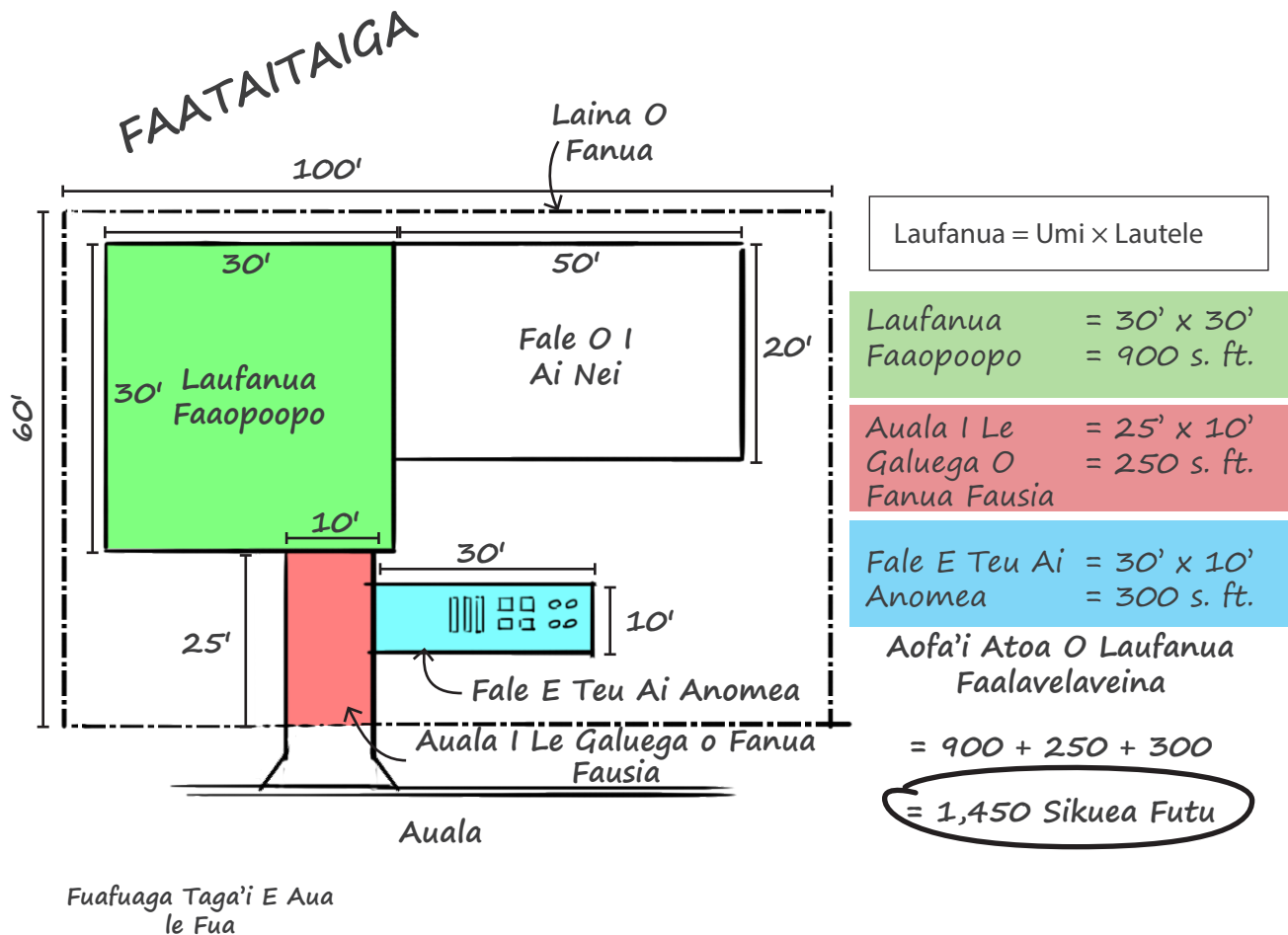
O Laufanua Faalavelaveina o laufanua ua faalavelaveina ma ua folasia le palapala o i lalo ifo.

O faataitaiga o faagaioiga o laufanua faalavelaveina e aofia ai: eliga, soli o vao, simā po o asuemu; folasia o palapala; auala mo loli tetele; fanua eli, masini teu/faatu; talepe o faavae/fale ma fausia o fale fou; eliga, faamamā o laufanua ma eli o le palapala.

A fuafua lou Galuega Faatino ma le Laufanua Faalavelaveina:

1. Fua le umi ma le lautele i futu o eleele ua faalavelaveina faatasi ai ma fanua fausia ma auala i galuega ma fanua teu/faatu.
2. Faatele le umi ma le lautele o laufanua uma.
3. Faaopoopo uma Laufanua Faalavelaveina ta'itasi e maua ai le aofa'i atoa o le Laufanua Faalavelaveina po o le aofai atoa o le fanua o le a faalavelaveina, faaogā le aofa'i atoa o le laufanua.

Faataitaiga: Fausia o Se Fale Faaopoopo



A'EGA

Afai o lou Laufanua Faalavelaveina e i ai se a'ega, o le a'ega e tatau ona fua ma fuafuaina. O le fuaina o le a'ega i lou galuega faatino o le Laufanua Faalavelaveina:

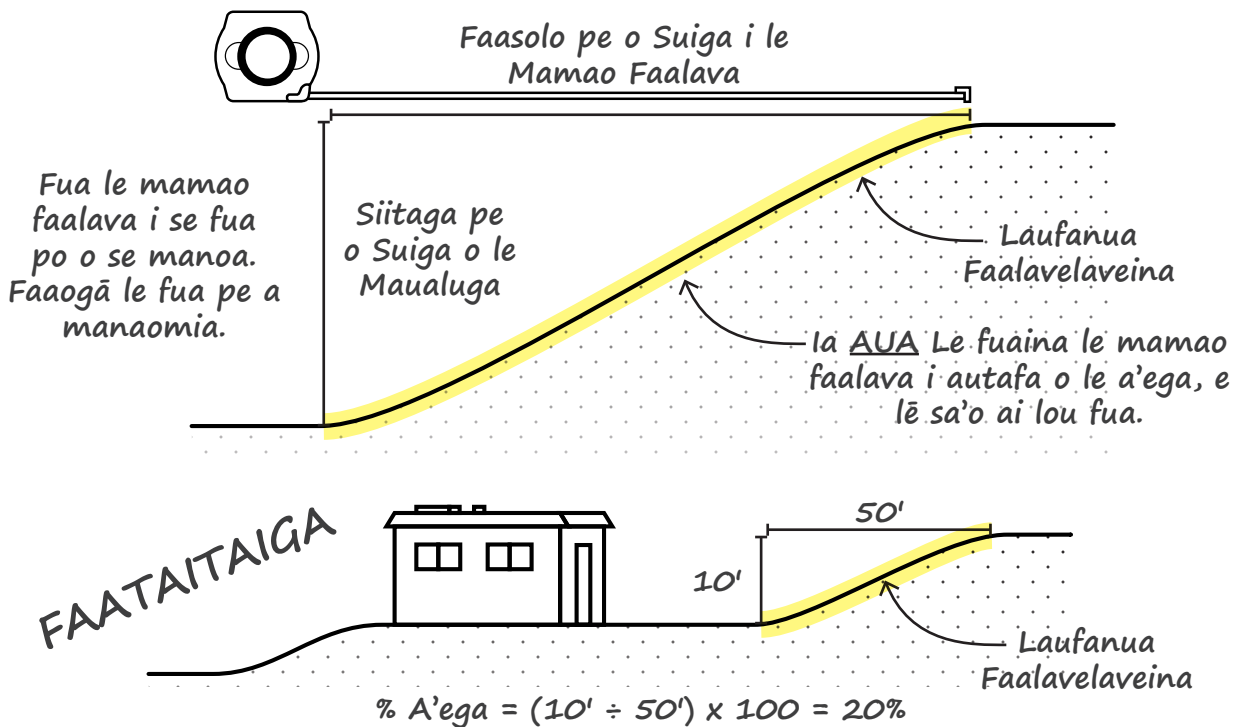
Laasaga 1. Fua le **siitaga** pe sui le umi o i totonu o le Laufanua Faalavelaveina.

Laasaga 2. Fua le **faasolo** po o le mamao o le faalava ma le maualuga o le mea o i ai le suiga. Ia faaogā iunite fua (pei o futu, iata) e pei o le laasaga 1.

Laasaga 3. Vaevae le siitaga ma le faasolo ona faatele lea i le 100.

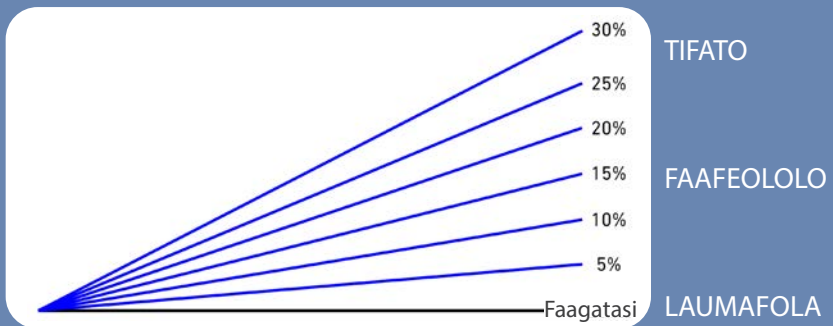
$$\% \text{ a'ega} = (\text{siitaga} \div \text{faasolo}) \times 100$$

Manatua: Afai o lau a'ega e mamao tele, fua le siitaga ma le faasolo i vaega laiti. Ona faaopoopo lea o siitaga uma e maua ai le aofa'i atoa o siitaga ma faaopoopo faasolo uma e maua ai le aofa'i atoa o faasolo.



NISI FUAFUAGA

Faaoga le siata o i lalo ma lou lima e fua ai le tumutumu o le a'ega maualuga o le galuega faatino e maua ai le fua o le a'ega i le fanua saiti.



VAEGA 1A, 1B, 2 MA TUUTUUGA O ATINA'EGA LAITI

Vaega 1A, 1B, 2, ma Tuutuuga O Atina'ega Laiti mo Galuega Faatino pei ona faamatalaina e le Ofisa ma Matagaluega o Fuafuaga ma Pemitā a le Aai ma le Itumalo o Honolulu "Tulafono Patino i le Faaleleia o Vai" (Tulafono Faapulega a le Aai §20-3).

Vaega 1A, 1B, 2 Galuega Faatino o Atina'ega Laiti manaomia se pemitā faufale ma/po o se pemitā o eliga, pemitā mo faamamā o laufanua po o se pemitā o faaputuga uta ma/po o se pemitā eli e pei ona faavasega faapenei:

Vaega 1A Tuutuuga Mo Galuega Faatino:

- Atina'ega o se fale mo aiga e tasi pe lua e tu ese mai i le fale tele, ma
- Aofa'i Atoa O Le Laufanua Faalavelaveina mo le Galuega Faatino e lalo ifo ma le 1,000 sikuea futu, ma
- O le laufanua a le Galuega Faatino e i ai le a'ega e lalo ifo ma le 15%.

Vaega 1B Tuutuuga Mo Galuega Faatino:

- Atina'ega e lalo ifo ma le tasi eka o Laufanua Faalavelaveina o loo manaomia se pemitā faufale, e lē o ausia tuutuuga i le Vaega 1A Galuega Faatino, ma e lē manaomia se pemitā o eliga, faamamā o laufanua po o se pemitā o faaputuga uta; po o
- Atina'ega o fanua vaevae po o se vaega o loo patino i lalo o le pemitā e iti ifo mai le 15,000 sikuea futu mo se fale mo aiga e tasi pe lua ma e faaoga ai le pemitā faufale e iti ifo mai le 7,500 sikuea futu ma se pemitā o eliga po o se pemitā o faaputuga uta.
- Atina'ega mo se fale mo aiga e tasi pe lua o loo tu ese mai le fale tele o loo i luga o Laufanua Faalavelaveina o i ai se a'ega e 15 pasene pe sili atu.

Vaega 2 Tuutuuga Mo Galuega Faatino:

- Atina'ega e manaomia ai se pemitā o eliga po o se pemitā o faaputuga uta, ae lē o se pemitā faufale pe a i ai se fanua vaevae (po o se vaega) o patino i lalo o le pemitā e iti ifo ma le 15,000 sikuea futu mo se fale mo aiga e tasi pe lua ma e iti ifo ma le 7,500 sikuea futu po o se isi faaogaaga.

Atina'ega Laiti

Atina'ega e manaomia ai se pemitā eli, pemitā faufale, pemitā o eliga, faamamā o laufanua po o se pemitā o faaputuga uta ma o se galuega faatino o limiti gaoiga i mea nei e i lalo o le vaega o Atina'ega Laiti:

- Faatu o faavae* po o pou mo fausiga o pa, paolo, tualuga o fale, pa teu mo fale e faaoga mo aiga e tasi pe lua.
- O galuega o i ai Faagaioiga i Laufanua Faalavelaveina o ausia masini faatu ma isi masini o manaomia mo galuega e lē o laufanua faalavelaveina – faaitaiga galuega mo tapunia o paolo, po o fogafale lua o i ai simā o totoe.
- Faagaioiga i Laufanua Faalavelaveina e faia lea i lalo o se tualuga po o se fale e lē aofia ai alavai matagi o tafe i luga o Laufanua Faalavelaveina.
- Galuega e lē o lisi atu i luga o loo i ai laufanua faalavelaveina e iti ifo le fanua ma le 120 sikuea futu vaganā ai pa, puipui taofi ma Galuega Faatino mo auala taavale. (Pa, puipui taofi ma Galuega Faatino mo auala taavale e iti ifo ma le 120 sikuea futu e manaomia Fuafuaga Ma Puleaina O Tafua ma Palapala.)
- Galuega Faatino Eli o i lalo o le aiā a le Aai e i ai le faataga mo ē o maua fanua e tasi.

* Faasologa (pe faalava) o faavae mo pa ma puipui e lē o taua i lalo o Atina'ega Laiti ma manaomia ai se ESCP.

VAEGA 1A/1B/2 TULAGA MANAOMIA

Vaega 1A,1B & 2 Tulaga Manaomia mo Galuega Faatino:

1. O Fuafuaga Ma Puleaina O Tafia ma Palapala (ESCP) saunia e le tagata onafanua po o se Tagata Faatagaina.
2. Filifilia o se Pule o ESCP (Faaopoopoga A po o le B o le Tulafono) ae le'i faatautaia o pemitā.
3. Asiasiaga o Fanua Saiti e le Pule o ESCP ae le'i faia o ni galuega ma e faatasi i aso e 30 se'i oo ina mae'a pe o le ogatotonu o se galuega faatino ae le'i mae'a i aso e 30.

FAAFEFEA ONA FAUSIA O SE ESCP

- Faatumu le pepa e taua o le ESCP Fomu Mo Galuega Faatino Laiti (Faaopoopoga B o le Tulafono) pe faapipii mai e pei o se vaega o tusitusiga o fuafuaga.
- Tusi se Ata o le Fanua Saiti i luga o le ESCP Fomu Mo Galuega Faatino Laiti pe faapipii mai i ata tusi o galuega. Itulau 26 o lenei tamaitusi o avatu ai ata o le fanua saiti ma faamatalaga, mulimuli ai ma mataupu suesueina ma faataitaiga.
- Faatu se Faatulagaina O Galuega Faatino o loo taua mai ai le faasologa o gaoiga mo BMP.

Appendix B

City and County of Honolulu
Erosion and Sediment Control Plan Small Project Template
for Categories 1A, 1B and 2

Construction Site Project Name: _____
Physical Site Address: _____
Building Permit Application Number: _____
Disturbed Area (square-feet)*: _____

*Disturbed area includes the project area, construction access on adjacent surfaces, and storage/ staging events.

Instructions:
Use this template to prepare an Erosion and Sediment Control Plan (ESCP) for projects under the City and County of Honolulu, Department of Planning and Permitting (DPP) Categories 1A, 1B, and 2. This ESCP may be prepared and must be signed by the property owner or an authorized agent designated by the owner. Submit a completed ESCP with the building permit application and keep a copy of the approved ESCP on the job site at all times. Any changes to the approved ESCP must be approved by the DPP.
Refer to the guidance booklet "How to Prepare Erosion and Sediment Control Plan for Small Construction Projects" available on DPP's website (www.honolulu.gov) for more information on each BMP below. Select the BMPs which will be used at the site and if not used, provide a brief explanation for why it is not needed or impracticable for the site.
Designate a certified ESCP coordinator for the project by providing the information on page 6 of this template or sending written notice to DPP (the form is available on DPP's website). The ESCP coordinator is responsible for performing inspections before construction starts and at least once every 30 days until permanent stabilization is in place.

1. EROSION PREVENTION BMPs: practices that prevent erosion from occurring.

1. Permanent Stabilization (REQUIRED)
Prior to closing of any permit(s) permanent stabilization must be in place which includes the following requirements:

- All exposed disturbed areas must be permanently stabilized with ground covering such as vegetation, gravel, or pavers;
- Rain gutters, downspouts, and channelized flows must be installed and functioning as designed;
- In seeded areas, grass or vegetation must cover at least 90 percent of the disturbed soils or must be temporary stabilized while it is growing;
- Temporary measures, such as sediment barriers, should be removed when permanent measures are in place;
- All paved surfaces must be clean; and
- Storm drain inlet filters must be removed after all cleanup activities have been completed.

2. Slope Management and Protection (Categories 1B and 2 only)
Areas disturbed on a slope greater than 15% must be protected when work is inactive for seven (7) days or more.

To find the slope, divide the vertical height of your slope by the horizontal length of your slope and multiply by 100. For example, if your slope measures 3 feet vertically, and 10 feet horizontally, your slope would be 3 / 10 X 100 = 30%.

V	H	Slope
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1. Rolled erosion control products	<input type="checkbox"/>	Check if will be used:
2. Hydraulic mulch or hydrossed	<input type="checkbox"/>	
3. Hydraulic or bonded fiber matrix	<input type="checkbox"/>	
4. Planting and/or vegetation providing at least 70% surface cover	<input type="checkbox"/>	
5. Other: (please specify)	<input type="checkbox"/>	

If this BMP will not be used, provide brief explanation: _____

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Appendix B

SITE DIAGRAM

Provide a drawing of your site below or attach another map. Include the building outlines, property boundary or fence line, the limits of where your work will be located, flow arrows indicating direction of storm water runoff, location of BMPs, and any storm drains within 50 feet of your property. The drawing does not need to be to scale.

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TULAGA MANAOMIA MO GALUEGA FAATINO O ATINA'EGA LAITI

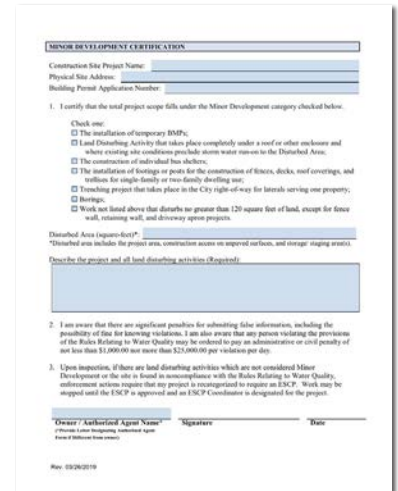
1. Faatumu le fomu o Faamaoniga O Atina'ega Laiti ma ia sainia e le tagata onafanua po o le Tagata Faatagaina. O Galuega Faatino mo Atina'ega Laiti o loo mau lalo o tulaga ma o faaitiiti Laufanua Faalavelaveina (faatitai mo masini faatu, eli po o faagatasi) e lē manaomia ai se Faamaoniga Mo Atina'ega Laiti.
2. O Galuega Faatino Mo Atina'ega Laiti e lē o ta'ua i lalo o tulaga manaomia mo ESCP. Peitai, o Galuega Faatino Mo Atina'ega Laiti e manaomia ona i ai tusitusiga o BMP faatasi ai ma le faatagana o fuafuaga o galuega (Tulafono Faalepulega a le Aai ma Itumalo o Honolulu §20-3-14(i)(3).

O Tusitusiga mo Atina'ega Laiti o Puleaina O Tafia Ma Palapala:

- (i) Faaogā Auala Puiipua Sili (BMPs) e faaitiitia ma taofi le sologa o mea faataumaoui mai le fanua saiti i luga o auala, talivai matagi, alavai ma vasa. O mea faataumaoui ua faaigoaina e aofia ai ae lē o limiti i vaega nei pei o palapala, suau'u, vali fale, gaosā mai galuega, lapisi, falemamao lē tumau, vaega o masini, simā ma isi uma toēga vai, auala, mea faamamā ma isi mea e faaleagaina ai siosiomaga pe a faamamulu.
- (ii) Soo se palapala folasia ua aofia i nei faagaioiga e tumau pe lē tumau i se taimi puupuu , e tatau ona taofia vave i le faaogā o pupulaau, maamaa, maa faapā ma e tutusa ona gaioiga vagana ai galuega o fuafua ona amata a o le'i pasia aso e 14.
- (iii) O gaosā mai galuega ma toēga vai e manaomia ona faate'a lelei i se auala sefe.
- (iv) O palapala o loo solo ese mai le fanua saiti e tatau ona salu pe mimiti i se masini i aso uma.
- (v) O pefu mai le fanua saiti o le galuega faatino e lē tatau ona aveina ese pe faate'a i se fanua i tua. O le galuega e tatau lava on a tausisi i tapulaa a le puleaina o mea faataumaoui i le ea o loo i lalo o Tulafono Faalepulega a Hawaii: Autu 11 Mataupu 60.1, "Puleaina O Mea Faataumaoui I Le Ea".

Vaai ifo i le vaega o le BMPs i totonu o nei tamaitusi mo isi faamatalaga e faatatau i BMPs.

Manatua: I le vaega §20-3-14(i)(2), O le Pule o Ofisa ma Matagaluega o Fuafuaga ma Pemita e mafai ona talosagaina le Tagata e ona le galuega faatino o Atina'ega Laiti e atina'e ma faatino se ESCP i le faavasegaina o le galuega faatino pe a fai ua faia e le Pule se filifiliga e manaomia le ESCP.



Afai ua oo i se taimi o le galuega, ua filifili e le Pule o Asiasiga o le galuega faatino e lē o se Galuega Faatino mo Atina'ega Laiti, o le a faatonu le konekarate e taofi uma galuega ma faataunuu se ESCP faatagaina a o le'i toe faaauu le galuega. E maua le sala mo le suesueina o le ESCP e \$500 (faalua) pe a amata le galuega e aunoa ma se ESCP faatagaina. O sala faaopoopo e faamalosia i le faaseseina o pepa talosaga mo pemita faufale.

ESCP FAATINOGA

O le faatinoga o lou ESCP e aofia ai le filifilia o se Pule o ECSP, faatauina o sapolai BMP ma faapipiina, ma le faailoaina o le pule o asiasiga o Matagaluega o Fuafuaga ma Pemitā i le lua vaiaso a o le'i amata galuega.

PULE O ESCP

- O le Pule O ESCP o se tagata e agavaa ma taofia se faamaoniga mai le Ofisa o Matagaluega o Fuafuaga ma Pemitā. Ua maua aoga i luga o le initaneti e mafai ona maua ai nei faamaoniga (vaai i faamatalaga faaopoopo i totonu o le itulau i tua o lenei tamaitusi). O le Pule O ESCP e mafai ona avea ma tagata onafale pe afai sa ia faia aoga i luga o le initaneti ma ua maua faamaoniga.
- O le Pule O ESCP e nafa ma le faatinoga i le fanua saiti o galuega faatino. O le Pule O ESCP e nafa fo'i ma le tauaveina o asiasiga e manaomia (faataitaiga e maua i itulau 46 i le 50), faaoo mai o ripoti o nei asiasiga i le Aai ma le Itumalo, ma mautinoa ua sa'o le faapipiina o BMPs ma sui pe a manaomia.
- I soo se taimi o le galuega faatino e manaomia ona sui ai lou Pule O ESCP (faataitai sui le Pule O ESCP mai le tagata fuafua i le konekarate), faaoga le Faaopoopoga A o le Tulafono.



Totigiutu



Pa Silita ma Lagolago



Taga Lalaga mo le faavae lē tumau o a'ega



Taga Poliporopilene e faatumu i oneone po o maamaa

NOFOAGA E MAUA AI SAPALAI

O faleoloa e faatau ai sapolai puipua e maua ai le tele o sapolai ma faleoloa fau fale e maua ai fo'i nisi o sapolai.

FAATULAGAINA O GALUEGA FAATINO/FAAILOAINA O LE AMATAGA O GALUEGA

Logo mai le Matagaluega o Fuafuaga ma Pemitā ma le tagata asiasi o loo lisi atu i lalo o lou pemitā faufale i le lua vaiaso a o le'i amata lau galuega.

Afai e tele ni tagata asiasi o lisi atu (faataitai eletise, paipa, fale), logo le tagata asiasi mo le galuega o le a amata muamua.

Faataitaiga O Le Faatulagaina O Galuega Faatino

FAATINOGA	FAASOLOGA
Logo mai le Matagaluega o Fuafuaga ma Pemitā Le Amataga O Galuega Faatino	2 vaiaso a o le'i amata galuega
Faatu Faatinoga Puipua	1 aso
Faamamā O Fanua Saiti	3 aso
Galuega (faataitai faatu pa filifili)	1 vaiaso
Totō Mutia (aofia ai ma le taimi e ufi ai le 70% pe sili atu) pe Faatu o Isi Faavae Tumau	2 masina
Aveeseina O Faatinoga Puipua	1 aso

FAAVAE TUMAU

O Faavae Tumau e faatino pe a mae'a galuega ma faatu ae le'i tapunia le pemitā faufale.

Uiga o le Faavae Tumau:

- O Laufanua Faalavelaveina ua folasia ma ua faatumau i mea totō pei o pupulaau, maamaa po o maa faapā. Afai o mutia po o pupulaau ua faaogā, e manaomia ona ufi le 90% o nei palapala faalavelaveina pe taofia i se taimi lē tumau a o faatutupu pupulaau;
- Auala vaitimu, faatafe, ma paipa faaalu ua manaomia ona faapipii ma ua aogā e pei ona fuafua i ai;
- O auala ta uma ua mamā;
- O fuafuaga lē tumau uma po o BMPs, pei o pa silita ma totigiutu, e manaomia ona aveese ma faate'a pe afai ua faatu taofi tumau; ma
- Aveese o Puipui mo Talivai Matagi Faatafe ina ua mae'a galuega faamamā.

AVEESEINA O BMP

O le tagata onafanua ma le konekarate e tatau ona faia le filifiliga ma fesoota'i lelei ina ia iloa po o ai e nafa ma le aveeseina o BMPs. BMP Lē Tumau e manaomia ona aveese pe a uma ona faia le asiasiaga mulimuli a le fanua saiti a le Aai ma ua malie o le fanua saiti ua lelei le faavae tumau.

TALIVAI MATAGI FAATAFE / PUIPUI O TALIVAI

1. Aveese BMP pe a uma ona faatumau faavae o le fanua saiti.
2. Salu le laufanua o loo i tafa ane o le talivai matagi faatafe po o le talivai o mea o i ai palapala po o nisi otaota ua saputu ai.
3. Aveese ma faate'a o palapala po o otaota ua saputu i luga o le BMP.

MANATUA: A i ai se taufaamata'u o timuga tetele i le taimi a o faia galuega, o talivai matagi faatafe BMPs e manaomia ona aveese i se taimi lē tumau e faaitiitia ai le lolovai. Aveeseina o BMP i se taimi lē tumau e manaomia ona mulimuli i faatonuga talafeagai.

AVEESEINA O BMP

PA SILITA

1. Tuu se taimi i pupulaau o i luga o le fanua saiti ia tuputupu a'e ma faamautū. Aveese PE A UMA ona faamautū pupulaau i le 90% , ae lē o luma ane.
2. Aveese nisi palapala o loo mau i tua ifo o le pa silita.
3. Aveese ie puipui ma fasi laau.
4. Utu, faatumu i eleele ma faamaopopo le laufanua.
5. Totō ni pupulaau i luga o ni palapala fou ua folasia i le mea sa i ai le pa silita ua aveese.

TOTIGIUTU, ONEONE & TAGA MAAMAA

1. Aveese BMP pe a mae'a galuega ma ua faatumauina le faavae a le fanua saiti.
2. Lifi le BMP mai le laufanua.
3. Salu ese palapala o loo totoe.
4. Faate'a ni tagautu i iligalaa ma sasaa i luga o le fanua totō, e pei o faatoaga, mea o mau ai palapala – ae LĒ o luga o a'ega!

Afai o totigiutu sa mamamu e toe faaogā, tuu le ie i totonu o le lapisi. O totigiutu sa mamamu e toe faaogā e manaomia ona faalanu i se pito e mafai ona toe faaogā ai to'ega ma faaitiitia ai le solo a'e i totonu o talivai matagi.



Lifi le BMP mai le laufanua.



Salu le palapala o loo mau i tua.

PULEAINA O A'EGA/FAAVAE LĒ TUMAU

O a'ega o loo sili atu le tifato ma le 15% e manaomia ona faia se fuafuaga faapitoa. I taimi uma e mafai ai, aua lava ne'i faalavelaveina a'ega tifato pe a ta'ua ni timuga pe se'i oo i le amataga o galuega faatulagaina. Afai o a'ega tifato ua folasia ma ua faamuta ai galuega mo ni aso e 7 pe sili atu, o se faatinoga puipuia lē tumau/BMP ua manaomia.

PUPULAAU

- Totō ni pupulaau e taofi ai le palapala. Manaomia ona fui i vai.



- Faaogā taga lalaga po o ni fala popo e taofi ai le palapala a o faamautu fatu ma laau.

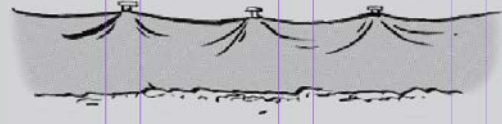
FAAOGĀ TOTIGIUTU PO O PA SILITA

O totigiutu po o pa silita o se auala faalagolago pe a amata ona totō o laau ma fatu. Faaogā i lalo o a'ega ma pitofanua o galuega faatino se'ia tuputupu laau ma ufi ai le 70% o le laufanua.

Totigiutu



Pa Silita



PULEAINA O A'EGA/FAAVAE LĒ TUMAU

UFI A'EGA I FALA

O a'ega folasia ma fanua e mafai ona ufi i ni ie silita, ie popo po o se neti lalaga e faaitiitia ai le soloia o palapala ma tafe ese.



- O ie silita e mafai ona faaogā e ufi ai a'ega ma palapala folasia.
- O le ufi o le palapala e mafai fo'i ona faamamā ai le fanua saiti.



- la mautinoa ua malupuipua le fala amata mai i luga faapea lalo o le a'ega i le faaogāina lea o meafaapipii, gauluaina, eliina pe taofi i ni taga oneone.



- O pepa iila po o ie o ni faaitaiga lelei e faaogā mo elelee folasia.

PULEAINA O A'EGA/FAAVAE LĒ TUMAU

ILIGALAAUSUI PO O FATUSUI



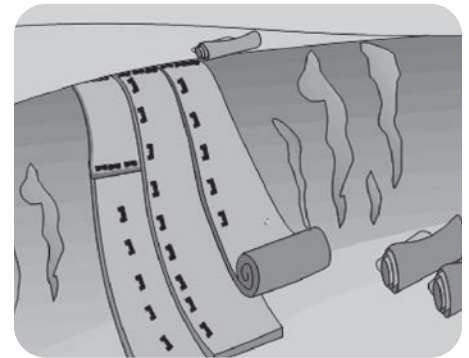
O Iligalaausui o le faapisipisi o alava i luga o palapala folasia. O Fatusui o le faapisipisi o fatu ma alava i luga o palapala folasia.



- Faaogā so’o i luga o galuega saiti tetele.
- Faaogā totigiutu po o pa silita i lalo o a’ega se’ia tuputupu a’e laau ma ufi ai le 70% o le laufanua.

IELALAGA PO O FALA

Ielalaga ma fala e fofola i autafa o a’ega e taofi ai le palapala ma mafai ai ona pasi atu le vai.



- O ielalaga ma fala o loo agavaa mo a’ega tifato pupuu.
- Masani ona faaogā i luga o fanua saiti tetele.

VAI TAFEA ALASUIA

O vai mai i tua o le fanua saiti e mafai ona tafe ifo i luga o le galuega saiti ma faatetele ai le solo o le palapala i luga o le fanua saiti. O totigiutu ma pa silita i luga o a’ega e faaititia ai le vaiimu ona solo atu i luga o le fanua saiti.

PUPULAAU AVEESEINA MAI LAUFANUA FAAMAMĀ

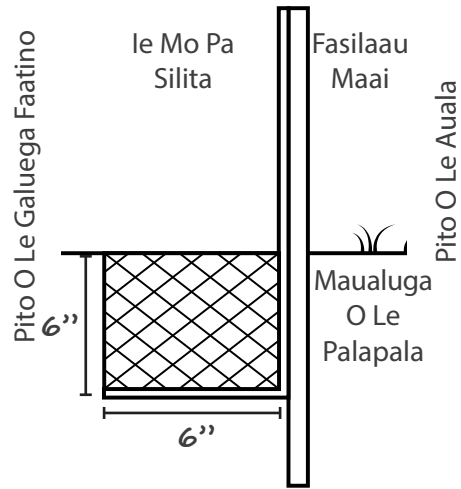
Aua le tuua pupulaaui mai laufanua faamamā i luga o a’ega ina ne’i tafea i lalo ma uia alavai po o vaegavai matagi. Aveese ma puipui a’ega i le faaogāina o mea e lē mafai ona tafea ese.

PULEAINA O PITOFANUA

PA SILITA



O Pa Silita mo iepupuni o loo faamautu ai le palapala i totonu o le pa.



O Pa Silita eli o taula i se mea i le itu pa o le galuega faatino

- E lelei mo fanua e lē manaomia ai se auala uia.
- Faamautu pa silita ma lagolago i se vaega taimi masani.

- Pa silita o eli i lalo.
- Faasagatonu aupitoaluga o le papupuni ia sili ane mai le maualuga o le palapala.



- Maualalo tele le papupuni ua lē mautu.
- Siaki i taimi uma po o faaleagaina.



- Lelei e faasao ala i vaifuimū, ae manaomia ona eli se pa silita ma faaogā ai totigiutu i pito o auala savali.



- Tatau ona saoto'aluia ina ia taofi ai le vai ma palapala ona sao atu i fafo.
- Sai le ie i se lagolago ma saoto'aluia i se isi lagolago e pupuni ai pu.

IE SILITA

O ie silita o ie e mafai ona toe faaogā ma o iepupuni e lē mafai ona sao ai i fafo palapala ae pasia na o le vai.

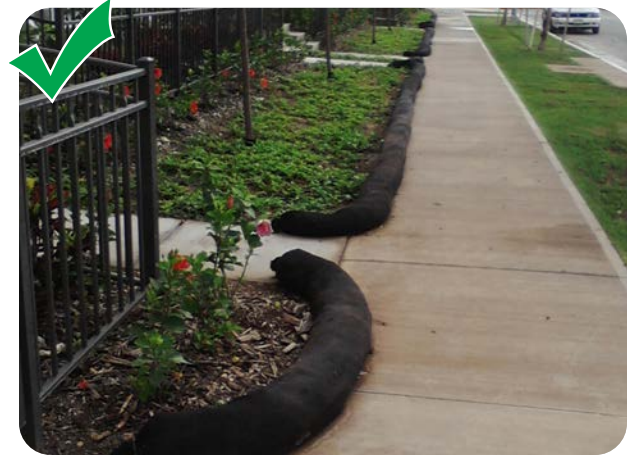


PULEAINA O PITOFANUA

TOTIGIUTU



O totigiutu o ni taga e faatumu i otaota, alava po o isi anomea mate. E aoga mo a'ega tifato, faaputuga uta ma faatu o fanua totō, ma fanua e tele ai savaliga ona e faigofie ona uia. O totigi faatumu i anomea mate e manaomia ona 8 inisi lona taiaimita.



- la saoto'alua totigiutu ma ia 6 inisi pe sili atu ia taofia ai le vai ma le tafe mai i fafo.
- Taofi mau se'i tuputupu ifo pupulaau.
- Sai le pitogutu o le totigiutu (ma pa silita) i le itu o loo tafe ai le vai ina ia taofi ai vai ma palapala ona solo ese mai le fanua saiti ma tafe atu i totonu o talivai matagi.
- Manaomia fasilaa maai ona faatu ai totigiutu pe a timuga tetele.

TAGA ONEONE & MAAMAA



- O taga oneone po o taga maamaa e mafai ona faaogā nai lo o totigiutu.
- E mafai ona faaogā taga oneone po o taga maamaa e faamautu ai ie silita.

GALUE FAAPENEI



PUIPUI O TALIVAI MATAGI FAATAFE

Puipui o talivai matagi faatafe, ae maise ai ē o 50 futu mai le fanua saiti o lou galuega faatino. A o le'i afātia, aveese puipui mo talivai matagi faatafe ina ia faaitiitia ai le lolovai; toe faafo'i pe a uma.

TALIVAI MATAGI I PI'OGA



- Faatele totigiutu i tua atu o pito o talivai matagi ina ia taofi ai le vai ma le tafe ifo.



- Faamautu pito o nei faatinoga puipuia.



- Faamautu ma taupuleaina talivai matagi ia aua ne'i faaletonu.
- Siaki i taimi uma po o alu lemu.

PUPUNI O TALIVAI MATAGI



- Faamautu ie silita i lalo o pupuni o talivai matagi.



- Faamautu ie silita i autafa o le pupuni.

BMP MA TAUSIGA O FANUA SAITI

Vaega 1A ma 1B o galuega faatino o loo manaomia ai le asiasiga i taimi faapitoa e pei ona taua e le tulafono a le Aai. I se taimi ua faatamala ai le tulaga manaomia mo asiasiga e oo i le sala ma faasalaga. Vaega 1A ma 1B O Galuega faatino e manaomia ai le aofa'i o asiasiga nei mai le Pule O Fuafuaga Ma Puleaina O Tafua ma Palapala (ESCP):

- **Asiasiga A O Le'i Amata Le Galuega:** O lenei asiasiga e faatino a o le'i amata le galuega i luga o le fanua saiti e faamaonia ai faatinoga puipuia e pei ona taua i lou ESCP ma ua faatu ma galue lelei.
- **Asiasiga I Le Taimi O Le Galuega:** Asiasiga e fai fa'a tasi i aso e 30. Mo galuega faatino o le a mae'a ae le'i pasia aso e 30, o le a faia se asiasiga i le ogatotonu o le galuega.
- **Asiasiga I Le Faai'uga O Le Galuega:** O lenei asiasiga e faia i le faai'uga o le galuega faatino e faamautinoa ai o fanua ua faalavelaveina ua mautu ma o faavae le tumau (pei o puipui mo pa silita, ma isi) ua aveese. O ripoti mai le asiasiga e tataua ona faafo'i ma o faavae tumau e manaomia ona mautu ia tapuni ai le pemitia faufale.

Faagā le Faapoopoga C o le Tulafono Mo Le Faaleleia O Vai mo ripoti o asiasiga. O se faataitaiga ua avatu i le vaega o Asiasiga o lenei tamaitusi.

I TAIMI O TAUSIGA

- I taimi o asiasiga, siaki ifo faatinoga puipuia/BMPS po o faatu sa'o ma talafeagai.
 - O Pa Silita o loo taofi mau i lalo ma o loo saoto'alua.
 - O Totigiutu o loo faamau i le itu o loo tafe ai le vai ma/po o saoto'alua i ni inisi e 6.
 - O faaputuga uta o ufi ma faamautu.
- Afai ua faatu se BMP ae ua le gaii lelei, o BMP faapoopo o le a manaomia ona faatu.
- Afai ua faaleagaina se BMP, toe faalelei pe sui.
- Toe faatu ma faamautu pa silita po o nisi mea ua pa'uū i lalo.



PULEAINA O PEFU

VAI PIPISI

- Faaogā vai e taofi ai le lelea o le pefu i tua o le fanua saiti.
- E taua le aofa'i: faaogā lelei le vai e taofi ai le palapala – ae aua le soona tele i tafe ese le vai ma le palapala i tua o le fanua saiti ma pipii i pa'u o taavale. O le tulafono masani e leai se vaito'a po o se vai e tafe.
- Faaogā le vai i se taimi masani.



PEFU PUPUNITUSA'O



- O pefu pupuni tusa'o e taofia le palapala ona lelea ese mai le fanua saiti ma puihui ai fanua tafa ane mai le pefu ma otaota. Manatua: O pefu pupuni e lē mafai ona faaogā pei o se pa silita.
- Faaogā pefu pupuni tusa'o i itu o loo agi ai matagi tetele ma luga o fanua saiti o i ai a'ega tifato.

ILIGALAAU

Iligalaa (laau po o maamaa), e 1 le inisi lona loloto, ma e mafai ona taupulea le pefu i luga o le fanua saiti.

PULEAINA O GAOSĀ SIMĀ



- E mafai on faaogā se tapu taele mo tamaiti e palu ai le simā. Ufi le vai fufulu i le faai'uga o le aso pe e le'i oo mai timuga. Faamatala a o galue i le fanua saiti ina ia mafai ona liuasua. Aveese vai fufulu ma faate'a i tua o le fanua saiti.



- Tuu se pupuni i lalo o tapu simā e pu'e ai pispisi ma masaa.
- E uunaia tali eseese e faatatau i le telē o le vai fufulu.



- Fufulu lima, seevae faigaluega ma meafaigaluega i totonu o se talivai pe o totonu o se pakete telē ma faate'a lelei i tua o le fanua saiti.
- O meafaigaluega ma sapaalai e mafai fo'i ona fufulu i tua o le fanua saiti.



- Aua le filoiina pe fufulu le simā i luga o auala savali po o le auala
- O le faasaoina o le vai simā, vali ma vai fufulu i lalo o talivai matagi e oo i le sala ma faasalaga.
- Aua le tia'iina toe simā i luga o le eleele.

PULEAINA O FAAPUTUGA UTA

Taofi faaputuga uta mai le tafe atu i lalo o talivai matagi. Ufi faaputuga uta e lē o faaogāina mo le vaiaso.



- Teu lelei anomea i luga o fanua.
- Teu ese mai talivai faatafe.
- A mafai, teu ese faaputuga uta mai pitofanua.
- Alo ese mai le ufiufi o mea tau uila pei o afuala e faatautaia vai, alavai faamamā ma pusa eletise ma isi mea.



- O ufi e mafai ona faaogā pei o taga ie, ie silita/pefu pupuni po o pepa iila.
- Faamautu ufi ma puipui mai i timuga ma matagi tetele.



- Tuu ese faaputuga uta mai talivai matagi faatafe ma auala taavale o tafa ane i a'ega ma lata ane i le auala.
- Aua le faamasaaina faaputuga uta i luga o le auala. O mea ua masaa e avea ma faafitauli faataumaoui ma faasoesā mata'utia.

PULEAINA O ALA TAAVALE

O taavale a malaga ese mai le fanua saiti e mafai ona siitia atu le palapala i luga o le auala ma tafe i lalo o talivai matagi.

FANUA MO TAAVALE

- Faatapulaa sologa taavale i se fanua mo taavale nai lo o le faasao o taavale i luga o le fanua saiti.
- Faaogā auala ta o i ai nei po o maamaa mo auala taavale pe a mafai.

FANUA E FUFULU AI PA'U

- Fufulu pa'u o taavale i luga o maamaa o le fanua saiti ma aveese palapala ae le'i o ese taavale.



MAAMAA MA IE I LE ULUFALEGA I LE FANUA SAITI

O maamaa e fesoasoani atu i palapala ua aveese mai pa'u o taavale ma mau i totonu o maamaa.



- Faaogā maamaa i le ulufalega i le fanua saiti e aveese ai palapala mai pa'u o taavale ae le'i malaga ese mai le saiti o le galuega faatino.
- Faaogā le 8-12 inisi o le Numera 2 (po o le Numera 2 & 4) tuaiga maamaa i le ulufafo/ulufale i le saiti.
- Tuu se ie silita i lalo o maamaa e faamamā ai le alu o le vai.
- Saeu maamaa i se vaega taimi ina ia mafai ai e palapala iti ona tafe ese ma sao ese ai palapala mai pa'u o taavale.

SALU I LUGA PALAPALA O I LUGA O LE AUALA



- O le faaogaina o BMPS e mafai ona taofi ai le tele o le palapala mai le auala ae le o palapala uma. E manaomia fo'i ona salu.
- Aua lava ne'i fufulu le palapala i luga o le auala po o totonu o talivai matagi faatafe.

PULEAINA O TILIVA UTA, TEUINA MA LE FAAOGĀINA

O le teuina lelei o anomea e faaititia ai masaa i le palapala ma tafe faatasi ma vai timu.

- Faaitiiti le faaputu o anomea mata'utia i luga o le saiti.
- Aua le faaputu o anomea i tafa ane o vaegavai matagi po o laufanua o alavai.
- Faaputu anomea i se fanua faapitoa ma faatu se faapulou lona lua.
- Teu le anomea i lalo o se ufufi po o lalo o se taualuga.
- O se pusa tu e mafai ona fau i luga o le fanua saiti ma fola i se pepa iila; e tatau ona i ai sona taualuga pe ufi i se pepa iila e aua ai ne'i tumu i le vai.

Manatua: O le puipuia lelei e mafai ona sao ai tapu o anomea mai le elea ma faatumau ai le faaleleia.



PULEAINA MA PUIPUIGA O MASAA

- O se pusa mo masaa e tatau ona tuu i totonu po o tafa ane o taavale.
- O le aufaigaluega e tatau ona iloa le nofoaga o le pusa mo masaa ma ia iloa ona faaogā.
- O oneone faamamā mo meaola pei o pusi e mafai ona faaogā mo masaa. A uma ona faaogā, salu i luga ma faate'a ese pei ona talafeagai ai.

PULEAINA O GAOSĀ MALŌ

FAAMAMĀ LE FANUA SAITI

- Faamamā le fanua saiti i aso uma, ma aua le faataape solo le lapisi.
- Sauni se pito faapitoa mo gaosā malō, toēga mai galuega ma gaosā mai talepega.

PULEAINA O KALONE LAPISI

- Faatulaga le koletiina o lapisi i se taimi masani; aua le faatumuina kalone lapisi ia masaa.
- Tuu kalone/lapisi i luga o le fanua, pe a mafai. A teu se kalone i luga o le auala, e manaomia se pemitā mo le faaogāina o le auala (<http://bit.ly/2kLeEu9>).
- Ufi le lapisi ina ia faaitiitia le sao o le vai ma filo ai ma le lapisi ona tafe ane lea i totonu o vaegavai matagi.
- Aua le faaogāina kalone o liki; faalelei pe sui.

FALEMAMA O LĒ TUMAU

O le faamautuina o falemamao lē tumau e faaitiitia ai masaa e tafe atu i totonu o vaegavai o alavai matagi.



- O fusi ma poloka simā, fasilaa maai, po o taga oneone e mafai ona faaogā e faamautu ai falemamao lē tumau. (O tane sii e saulua e mamafa atu ma mautu nai lo o tane e sautasi.)
- Tuu ese falemamao lē tumau mai talivai matagi.
- Faatulaga le siakiina o falemamao e faaitiitia ai masaa ma le taumasuasua.

PULEAINA O GAOSĀ VAI

- Taofi suau'u, penisini, sua, vali sui, ma kelū i totonu o pakete o ufi po o se tanesii ma faate'a ese mai le fanua saiti.
- Mo le faamamā o vali latekesi, o se pakete e 5-kalone e i ai le tapuni ma le vai e mafai ona faaogā. O vai fufulu e mafai ona faate'a i tua o le fanua saiti ma sasaa e ala i le faaogā o alavai sã.
- O faapipii mo puipui ma ele e manaomia ona teu i se pusa (laupapa e fola i se pepa iila) ona, a malō lea, e mafai ona tia'i i le lapisi. Aua lava ne'i fa'aalu o ele mo puipui i lalo o talivai ona a malō e puni ai paipa.
- Vaai ifo i le Puleaina O Gaosā Mata'utia BMPs.

TAUSIGA MA FAAMAMĀ O TAAVALE MA MASINI, FAATUMU KESI



- Faaogā apa po o pepa iila i lalo o masini e pu'e ai suau'u ma kesi o liki.
- Faaogā totigiutu i tafa ane o masini o loo paka i luga o le auala.
- Solo i lalo taavale nai lo o le fufulu i luga o fanua saiti.
- Taofi le masaa o suauu mai le tafe atu i totonu o talivai matagi.
- O le faate'a atu o suau'u i totonu o talivai matagi e oo i le sala.

PULEAINA O GAOSĀ MATA'UTIA

Taofi gaosā mata'utia mai le tafe atu i alvai matagi i le faaogāina o mea e agavaa ma talafeagai i le faate'aina o gaosā.

- Mo vali latekesi: Faamago ona faate'a ese lea i totonu o kalone lapisi. Toe sui le ufi a o le'i faate'a pe toe teu.
- Mo vali suauu: Faaogā se pusa mo le suiga o suauu po o se isi mitiga ona faataga lea a o le'i tuu i le lapisi.
- Faate'a ma sasaa o ni vailaau, gaosā mata'utia po o apa vali i totonu o le lapisi.
- Vaai i lou Pepa Faamatalaga O Auala Puipua (SDS) mo nisi faamatalaga po o gaioiga faatatau i le faateaga.
- Mo nisi faamatalaga asi ifo i le www.opala.org

PULEAINA O PALAPALA FAALEAGAINA

Afai ua faaleagaina le palapala, ufi le faaputuga uta i se pepa iila po o se tapolegi ma faamautu se ala i ona autafa e faaitiiti ai le solo. Sii ese palapala mai le fanua saiti ma faate'a e pei ona tatau ai.

Afai ua faaleagaina i se uiga mata'utia le palapala, galue faatasi ma le Ofisa o le Sitete le vaega o Matagaluega o Soifuamalolo Gaosā Malō faapea Gaosā Mata'utia ina ia fausia ni tali po o se togafitiga ma/po o se faateaga.

ATA O LE FANUA SAITI

Mea e manaomia ona aofia i luga o lau ata o le fanua saiti:

Laina O Fanua

Tusi se ata o laina o lau fanua (vaai i le pusa o i lalo).

Fale O I Ai Nei

Tusi se ata o fale o i ai nei (vaai i le pusa o i lalo).

Talivai Matagi

Faailoa talivai matagi o loo 50 futu mai le fanua saiti. E mafai ona faaogā se aū ma faailoa mai le mamao mai le fanua saiti.

E manaomia se fesoasoani e su'e ai talivai matagi o lata ane? Alu i le: honolulu.org e maua ai talivai ma puipui/talivai faatafe.

Limiti O Galuega

Tusi se "ao" (vaai i le ata) i autafa o le fanua o fuafua e galue ai.

Tafe O Le Vai

Faaogā laina aū migimigi e faailoa ai le tafe o le vai. O le vai e tafe i lalo o mauga/a'ega.


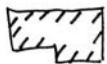
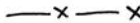

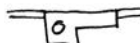



Faatinoga Puipuia/BMPs

Maka ifo faatinoga puipuia (taua fo'i o le Best Management Practices po o BMPs) e faaogā i luga o le ata. E tatau ona faailoa le tuaiga ma le telē o le galuega faatino ina ia taofia ai le solo ese o le palapala ma isi mea mai le fanua saiti.






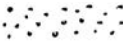


O lenei ata e tuuina atu faatusa e faaogā i luga o le Ata O Le Fanua Saiti. O le ata e mafai ona faapipii i le Ata O Le Fanua Saiti pe o igoa o loo faaogā i luga o le faafanua.

Ata Ma Tali O Le Fanua Saiti

Tulaga O Le Fanua Saiti

	Laina O Fanua
	Fale O I Ai Nei
	Pa
	Limiti O Galuega
	Talivai Matagi/Faatafe
	Ala Mo Talivai Matagi Faatafe
	Itu o Tafe Ai Le Vai
	

Faatinoga Puipuia (po o BMPs)

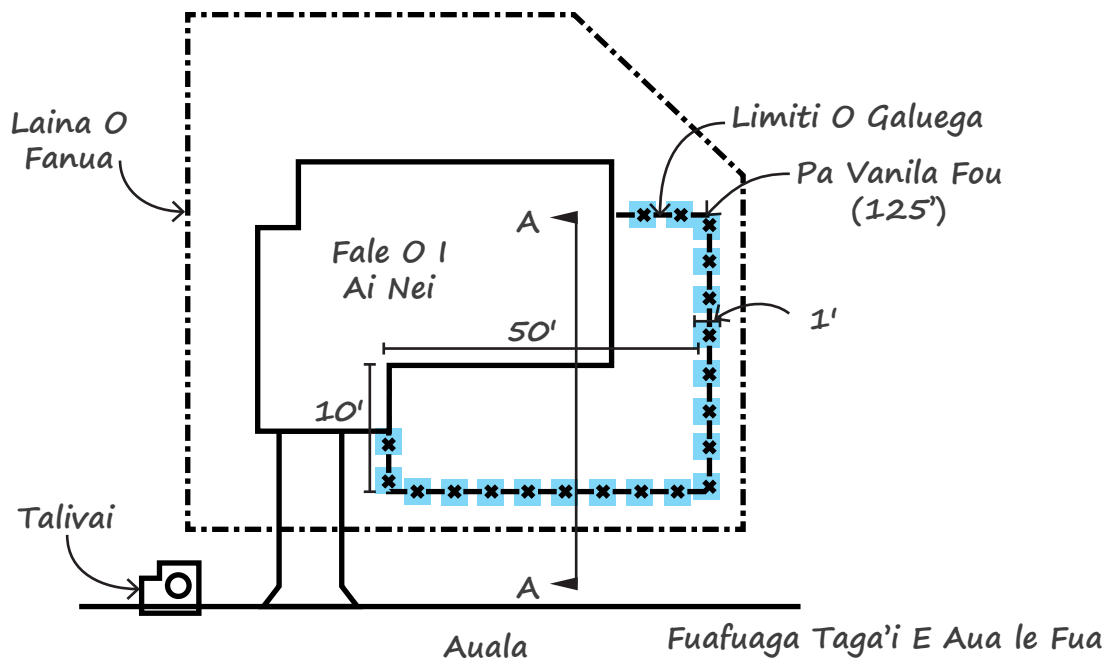
	Pa Silita
	Totigiutu
	Taga Oneone/Maamaa
	Talivai/Puipui Talivai
	Pupulaau
	Fala po o Ufi Pepa lila
	Iligalaausui/Fatusui
	Pa Pefu
	Maamaa
	Fanua Galue Ua Mautu Ulufafo/Ulufale

MANAOMIA NISI FAAMATALAGA I LAINA O FANUA & FALE O I AI NEI?

Asi atu i le saiti a le Honolulu RealProperty i luga o le initaneti (www.qpublic.net/hi/honolulu) ma su'e ai e ala i lou tuatusi.

- Mo Faamatalaga Mo Laina O Fanua:
Kiliki i le Faafanua GIS. O laina o le fanua e faailoa mai i le faafanua pu'e mai i luga o le ea. Faaogā le fua o loo i le tumutumu o le itulau (kiliki i le amataga ma le i'uga o le laina).
- Mo Faamatalaga O Fale O I Ai Nei:
Kiliki i le Faailoa Ata O Fale mo le foliga ma le lautele o fale.

MATAUPU SUESUEINA 1: PA VANILA (ATINA'EGA LAITI)

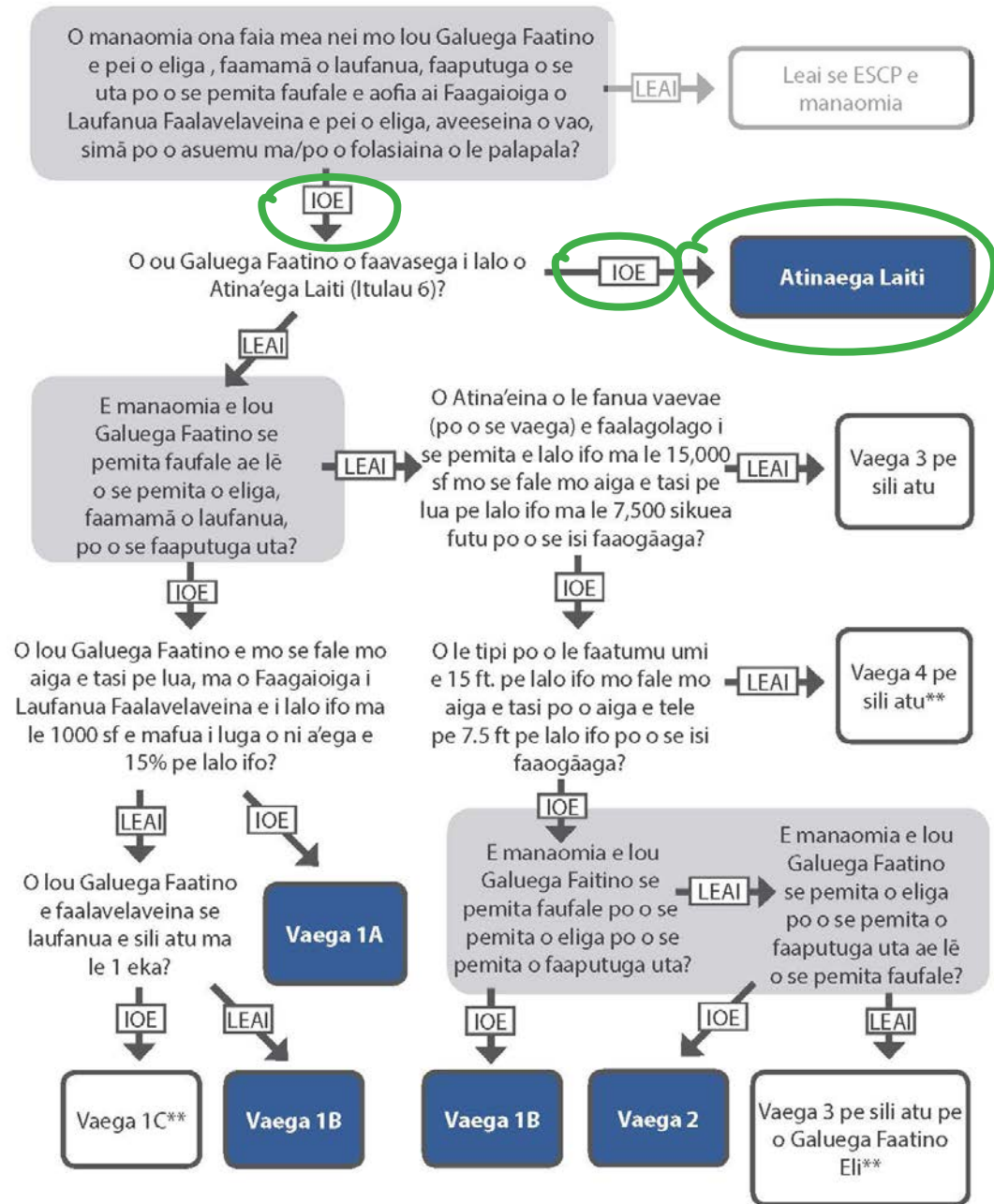


LAUFANUA FAALAVELAVEINA

Fanua Mo = 20 pou o pa x (1' x 1')
Pa Vanila = 20 s. ft.

Aofa'i Atoa O Laufanua
Faalavelaveina = 20
Sikuea Futu

MATAUPU SUESUEINA 1: PA VANILA (ATINA'EGA LAITI)



TULAGA MANOMIA MO GALUEGA FAATINO

- Pemita Fau fale mo pa vanilla mo se fale faaogā mo aiga e tasi pe lua
- Faamaoniga O Atina'ega Laiti

MATAUPU SUESUEINA 1: PA VANILA (ATINA'EGA LAITI)

MINOR DEVELOPMENT CERTIFICATION

Construction Site Project Name: Vinyl Fence

Physical Site Address: 1234 O'ahu St.

Building Permit Application Number: #12345678

1. I certify that the total project scope falls under the Minor Development category checked below.

Check one:

- The installation of temporary BMPs;
- Land Disturbing Activity that takes place completely under a roof or other enclosure and where existing site conditions preclude storm water run-on to the Disturbed Area;
- The construction of individual bus shelters;
- The installation of footings or posts for the construction of fences, decks, roof coverings, and trellises for single-family or two-family dwelling use;
- Trenching project that takes place in the City right-of-way for laterals serving one property;
- Borings;
- Work not listed above that disturbs no greater than 120 square feet of land, except for fence wall, retaining wall, and driveway apron projects.

Disturbed Area (square-feet)*: 20 sq. ft.

*Disturbed area includes the project area, construction access on unpaved surfaces, and storage/ staging area(s).

Describe the project and all land disturbing activities (Required):

A new vinyl fence with posts.

2. I am aware that there are significant penalties for submitting false information, including the possibility of fine for knowing violations. I am also aware that any person violating the provisions of the Rules Relating to Water Quality may be ordered to pay an administrative or civil penalty of not less than \$1,000.00 nor more than \$25,000.00 per violation per day.
3. Upon inspection, if there are land disturbing activities which are not considered Minor Development or the site is found in noncompliance with the Rules Relating to Water Quality, enforcement actions require that my project is recategorized to require an ESCP. Work may be stopped until the ESCP is approved and an ESCP Coordinator is designated for the project.

John Smith

Owner / Authorized Agent Name*

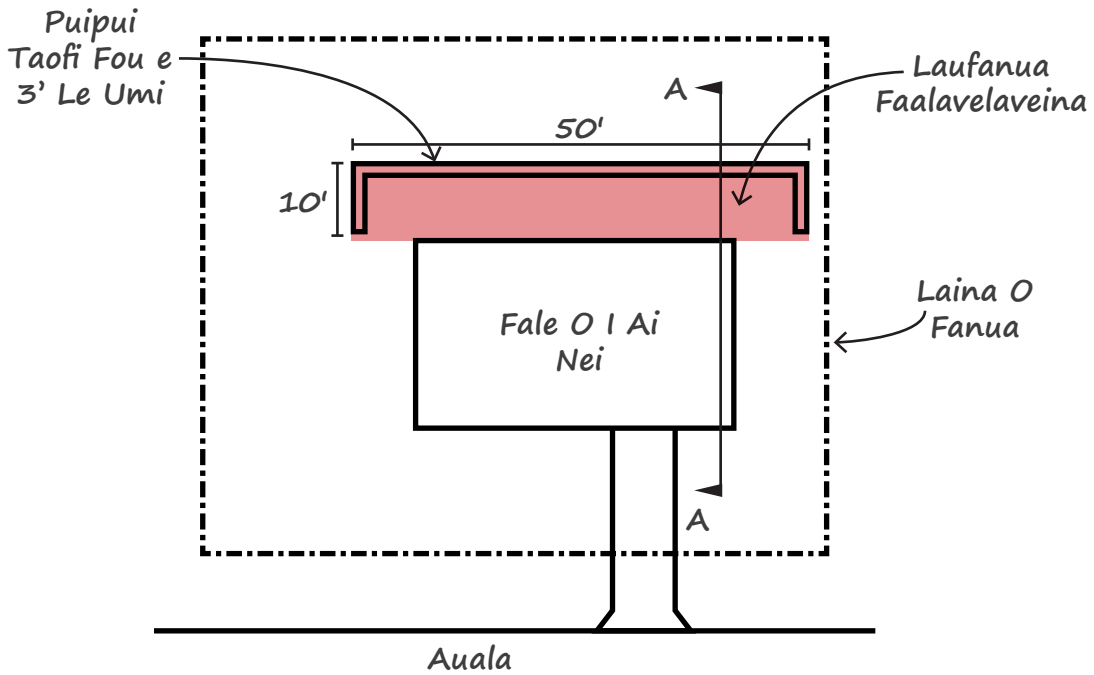
(*Provide Letter Designating Authorized Agent Form if Different from owner)

John Smith
Signature

4/4/2019

Date

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)



LAUFANUA FAALAVELAVEINA

Puipui Taofi ma Fanua Faatumu = 10' x 50' = 500 s. ft.

Aofa'i Atoa O Laufanua Faalavelaveina

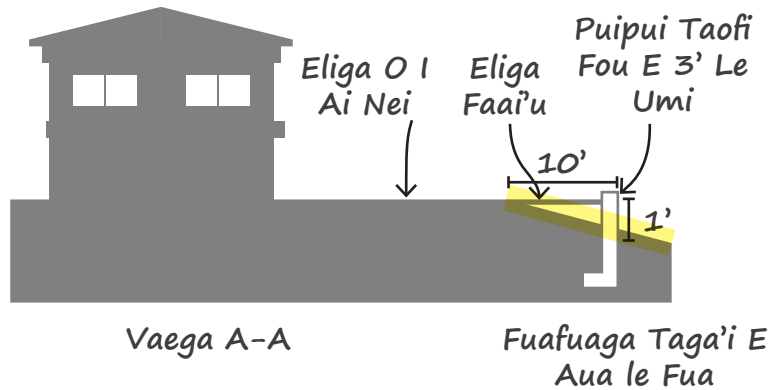
= 500 Sikuea Futu

A'EGA

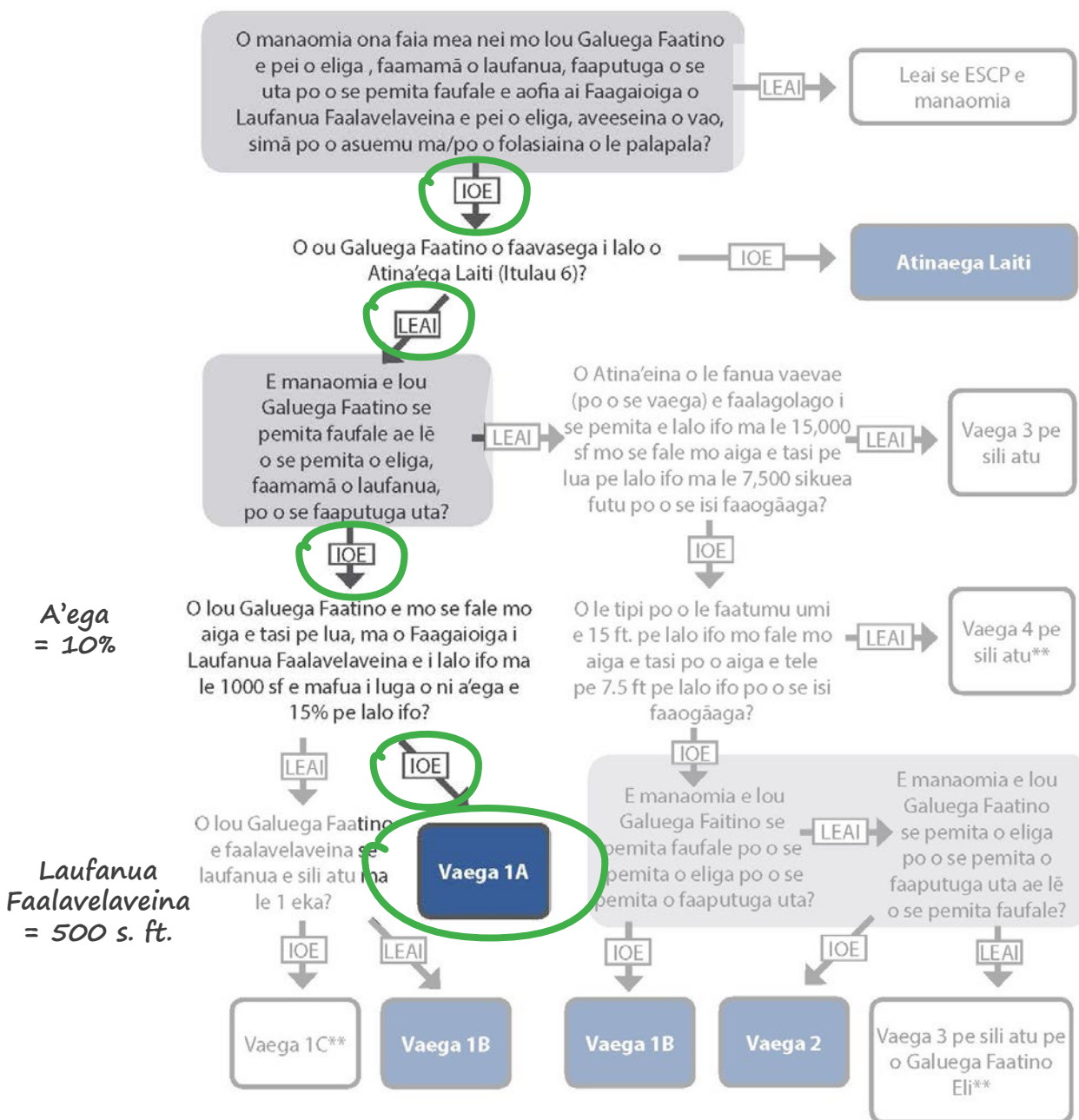
Siitia le suiga o fanua mo galuega faatino i le 1' le mamao faalava i le 10'

$$\% \text{ A'ega} = (1' \div 10') \times 100$$

= 10 %



MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1 A)



TULAGA MANOMIA MO GALUEGA FAATINO

- Pemita faufale mo puipei taofi fou mo se fale faaogā mo aiga e tasi pe lua
- Fuafuaga Ma Puleaina o Tafia ma Palapala (Vaega 1A)

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B



City and County of Honolulu

Erosion and Sediment Control Plan Small Project Template
for Categories 1A, 1B and 2

Construction Site Project Name: Mr. Smith's New Retaining Wall

Physical Site Address: 1234 O'ahu Street

Building Permit Application Number: 2018-00-0000

Disturbed Area (square-feet)*: 500 sq. ft.

*Disturbed area includes the project area, construction access on unpaved surfaces, and storage/ staging area(s).

Instructions:

Use this template to prepare an Erosion and Sediment Control Plan (ESCP) for projects under the City and County of Honolulu, Department of Planning and Permitting (DPP) Categories 1A, 1B, and 2. This ESCP may be prepared and must be signed by the property owner or an authorized agent designated by the owner. Submit a completed ESCP with the building permit application and keep a copy of the approved ESCP on the job site at all times. Any changes to the approved ESCP must be approved by the DPP.

Refer to the guidance booklet "How to Prepare Erosion and Sediment Control Plan for Small Construction Projects" available on DPP's website @ www.honolulu.dpp.org for more information on each BMP below. Select the BMPs which will be used at the site and if not used, provide a brief explanation for why it is not needed or impracticable for the site.

Designate a certified ESCP coordinator for the project by providing the information on page 6 of this template or sending written notice to DPP (the form is available on DPP's website). The ESCP coordinator is responsible for performing inspections before construction starts and at least once every 30 days until permanent stabilization is in place.

I. EROSION PREVENTION BMPs: practices that prevent erosion from occurring.	
1. Permanent Stabilization (REQUIRED)	
Prior to closing of any permit(s) permanent stabilization must be in place which includes the following requirements:	
<ul style="list-style-type: none"> All exposed disturbed areas must be permanently stabilized with ground covering such as vegetation, gravel, or pavers; Rain gutters, downspouts, and channelized flows must be installed and functioning as designed; In seeded areas, grass or vegetation must cover at least 90 percent of the disturbed soils or must be temporary stabilized while it is growing; Temporary measures, such as sediment barriers, should be removed when permanent measures are in place; All paved surfaces must be clean; and Storm drain inlet filters must be removed after all cleanup activities have been completed. 	
2. Slope Management and Protection (Category 1B and 2 only)	
Areas disturbed on a slope greater than 15% must be protected when work is inactive for seven (7) days or more.	
	<p>To find the slope, divide the vertical height of your slope by the horizontal length of your slope and multiply by 100. For example, if your slope measures 3 feet vertically, and 10 feet horizontally, your slope would be $3 / 10 \times 100 = 30\%$.</p>
	Check if will be used:
1. Rolled erosion control products	<input type="checkbox"/>
2. Hydraulic mulch or hydroseed	<input type="checkbox"/>
3. Hydraulic or bonded fiber matrix	<input type="checkbox"/>
4. Planting and/ or vegetation providing at least 70% surface cover	<input type="checkbox"/>
5. Other: (please specify)	<input type="checkbox"/>
	<input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Not required for Category 1A projects.</i>	

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B

3. Temporary Stabilization (Category 1B and 2 only)	
Use one or more of the following to protect disturbed areas that will not be worked on within 14 days:	Check if will be used:
1. Rolled erosion control products	<input type="checkbox"/>
2. Hydraulic mulch or hydroseed	<input type="checkbox"/>
3. Hydraulic or bonded fiber matrix	<input type="checkbox"/>
4. Planting and/or vegetation providing at least 70% surface cover	<input type="checkbox"/>
5. Other: (please specify)	<input type="checkbox"/>
	<input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Not required for Category 1A projects.</i>	
II. SEDIMENT CONTROL BMPs: practices to prevent soil and sediment from leaving the project site and entering storm drains during rain events.	
1. Perimeter Controls	
Sediment fences or barriers shall be used at the perimeter of all disturbed areas where there is potential for runoff to flow off the project site, Barriers may include gravel bags, sand bags, fiber rolls, silt fences, compost socks, or an equivalent BMP that intercepts runoff.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
2. Storm Drain Inlet Protection	
Inlet protection is required over storm drains that may receive runoff from your site unless those inlets drain to a sediment basin or trap. Inlet protection should be removed during severe storm events to prevent flooding.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
III. GOOD HOUSEKEEPING BMPs: practices that prevent pollution by limiting or reducing potential pollutants at their source.	
1. BMP and Site Maintenance (REQUIRED)	
Regularly inspect and maintain BMPs to ensure continued performance.	
2. Dust Control	
Use one of the following to control dust:	Check if will be used:
1. Mulching to a depth of one inch or more	<input type="checkbox"/>
2. Sprinkling exposed soils with water to maintain moistness	<input checked="" type="checkbox"/>
3. Vertical dust barriers	<input type="checkbox"/>
	<input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
3. Concrete Waste Management	
Conduct washout off-site or perform onsite in a designated area, away from water bodies, channels, or storm drains. Construct and maintain washout to contain all liquid and concrete waste generated.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
4. Stockpile Management	
Locate stockpiles away from drainage ways or other areas of concentrated flows. Use a barrier around stockpiles and cover if they will not be actively used within seven (7) days.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
5. Vehicle Tracking Control	
Restrict vehicle traffic to properly designated areas and remove sediment from vehicle tires prior to exiting the project site. All sediments that are tracked or discharged off-site must be swept or vacuumed at the end of each day.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B

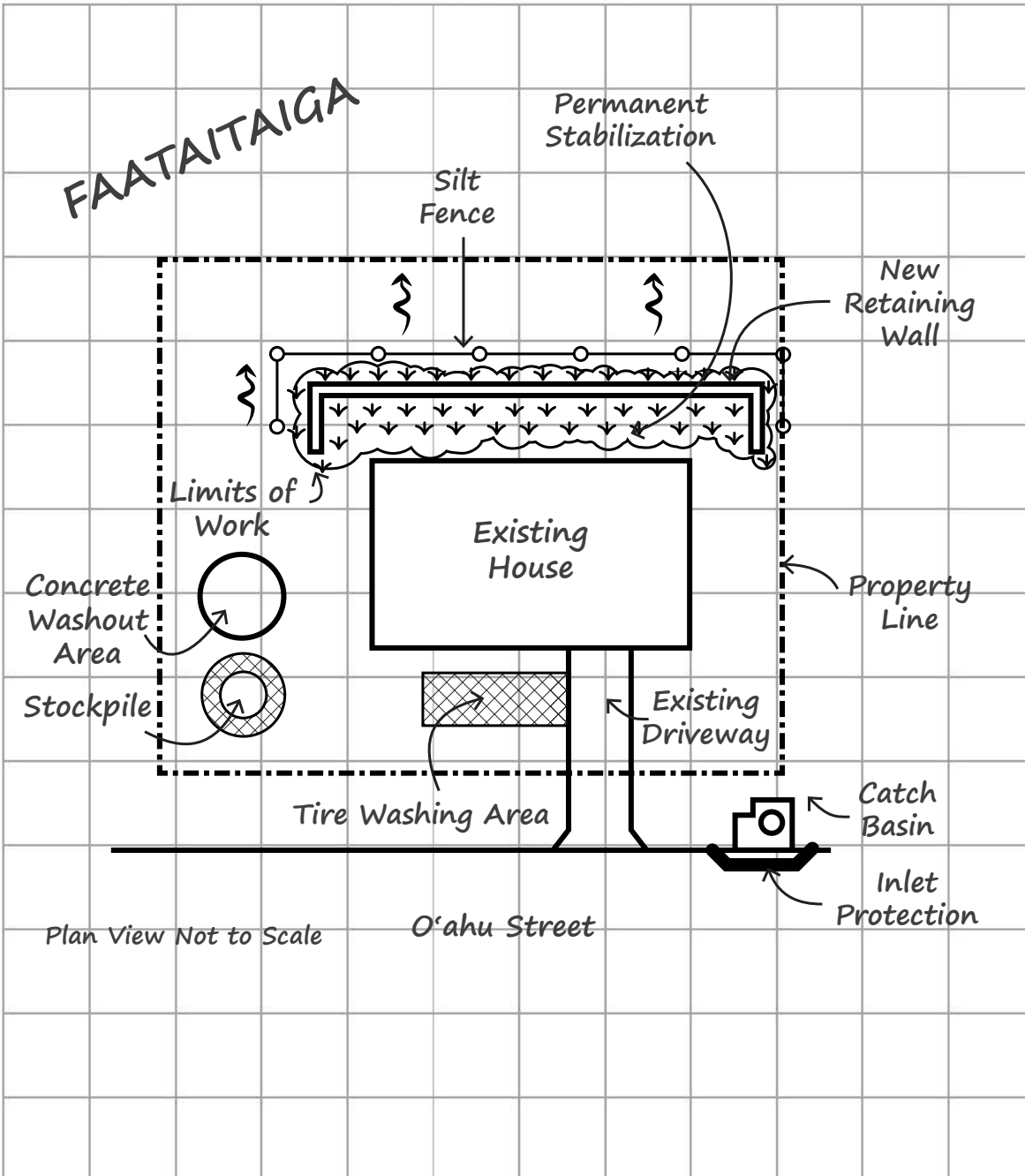
6. Material Delivery, Storage and Use Management	
Minimize the storage of potential pollutants onsite, store materials in a designated area, and install secondary containment. Do not store materials in buffer areas, near areas of concentrated flow, or areas abutting the City storm drainage system, receiving waters, or drainage improvements that discharge off-site.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
7. Spill Prevention and Control	
Keep ample supply of cleanup materials onsite. Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
8. Solid Waste Management	
Provide designated waste collection areas for solid waste or construction and demolition waste, collect trash daily, and dispose at authorized disposal areas.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
9. Portable Toilets (Sanitary/ Septic Waste Management)	
Temporary and portable sanitary and septic waste systems shall be mounted or staked in, well-maintained and scheduled for regular waste disposal and servicing.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Will not have portable toilets.</i>	
10. Liquid Waste Management BMPs	
Contain liquid wastes in a holding pit, sediment basin, roll-off bin, or portable tank of sufficient volume to contain the liquid wastes generated.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Will not generate liquid waste.</i>	
11. Vehicle and Equipment Cleaning, Fueling, and Maintenance	
Prevent pollutants in storm water from vehicle and equipment cleaning, fueling and maintenance by using off-site facilities when feasible, performing work in designated areas only, using spill pads under vehicles and equipment, checking for leaks and spills, and containing and cleaning up spills immediately.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
12. Hazardous Waste Management	
Prevent or reduce the discharge of pollutants to storm water from hazardous waste through proper material use and waste disposal.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Will not generate hazardous waste.</i>	
13. Contaminated Soil Management	
Contain contaminated material soil by surrounding with impermeable lined berms or cover exposed contaminated material with plastic sheets. Contaminated soil should be disposed of properly in accordance with all applicable regulations.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>No known contamination at site.</i>	

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B

SITE DIAGRAM

Provide a drawing of your site below or attach another map. Include the building outlines, property boundary or fence line, the limits of where your work will be located, flow arrows indicating direction of storm water runoff, location of BMPs, and any storm drains within 50 feet of your property. The drawing does not need to be to scale.



MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B

PROJECT SCHEDULE

Use the table below or attach a separate project schedule to this ESCP. Project schedules must establish a sequence of all planned actions and activities on the project site, including, but not limited to, all land disturbing activities, the implementation of the BMPs identified in the project ESCP, scheduled inspections and maintenance of BMPs, and the removal of temporary BMPs. The project schedule shall include specific dates or project milestones i.e. install BMPs – 1 day, clear & grub - 2 days, construction – 2 weeks, stabilize disturbed areas – 1 day, remove BMPs – after vegetation is 90% established.

PROJECT SCHEDULE	
Action	Timeline or Date
Notify the Department of Planning and Permitting of Project Start Date - 768-8132 or dpp.npdes@honolulu.gov	2 weeks before starting work
<i>Install BMPs</i>	<i>1 day</i>
<i>Clear site</i>	<i>1 day</i>
<i>Construct wall</i>	<i>1.5 days</i>
<i>Plant grass</i>	<i>1 day</i>
<i>Remove BMPs after grass is established</i>	<i>1 day</i>

RAIN RESPONSE PLAN

The following will be performed when severe rain is forecast:

- Temporarily suspend land disturbing activities including clearing, grubbing, grading and trenching.
- Inspect all BMPs and maintain as needed.
- Reinstall BMPs that were removed due to active work in the area.
- If a severe storm is expected, remove inlet protection devices to prevent flooding on surrounding streets.
- Cover or relocate material stockpiles and liquid material containers to avoid contact with rainwater.
- Place spill pans or oil-only spill pads under construction vehicles to prevent runoff from contacting any spilled petroleum products. Properly dispose of any accumulated oily water after the rain event.
- Re-inspect project site after the rain event and replace or maintain BMPs as needed.

Other: (please specify)

MATAUPU SUESUEINA 2: PUIPUI TAOFI FOU (VAEGA 1A)

Appendix B

ESCP CERTIFICATION

Construction Site Project Name: Mr. Smith's New Retaining Wall

Physical Site Address: 1234 O'ahu Street

Building Permit Application Number: 2018-00-0000

- 1) By signing, you acknowledge that erosion prevention, sediment control, and good housekeeping BMPs in this ESCP are mandatory conditions of your building and/or grading permit and are subject to inspection and enforcement by the Department of Planning and Permitting, in accordance with Section 20-3-7 of the Rules Related to Water Quality.
- 2) If the proposed land disturbing work will be performed in the city sidewalk or right-of-way and/or best management practices installed in the sidewalk area (area between the property line and edge of pavement), the owner is responsible for obtaining a Permit for Street Usage from the Department of Transportation Services, 650 S. King Street, 2nd Floor, Honolulu, Hawaii, 96813.
- 3) The owner is responsible for installing appropriate barricades, flashers, and signage for pedestrian and vehicular safety, and removing the inlet protection(s) before a storm event to prevent flooding of the road and after the project site is completely stabilized.

John Smith

Owner / Authorized Agent Name*

(*Provide Letter Designating Authorized Agent Form if different from owner)

John Smith
Signature

4/4/2019

Date

Check this box to designate the person below as the ESCP Coordinator. If this box is checked, Appendix A is not required to submit, unless revising, or adding a new ESCP Coordinator to inspect this project.

Jane Doe

ESCP Coordinator Name

(if different from owner/ authorized agent)

Jane Doe
Signature

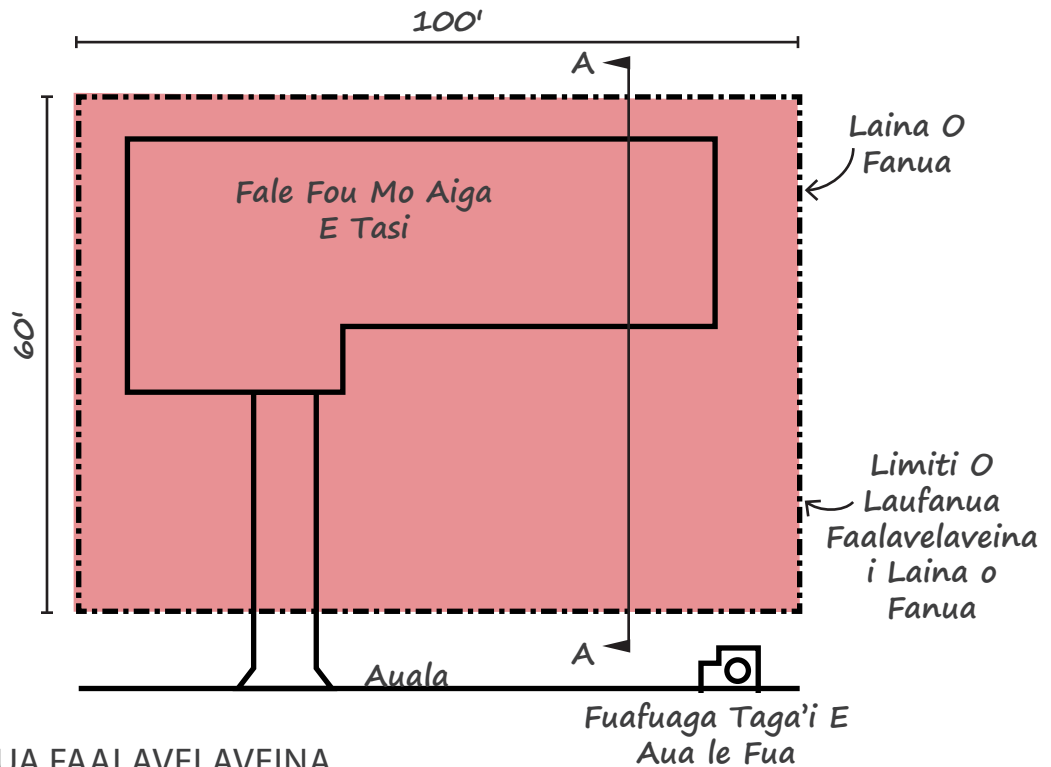
4/4/2019

Date

Certification #: 1111 Phone: 808-2222 Email: jane.doe@email.com

Mailing Address: 5678 Island Way, Honolulu, HI 96855

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)



LAUFANUA FAALAVELAVEINA

O le fanua atoa o le a faalavelaveina.

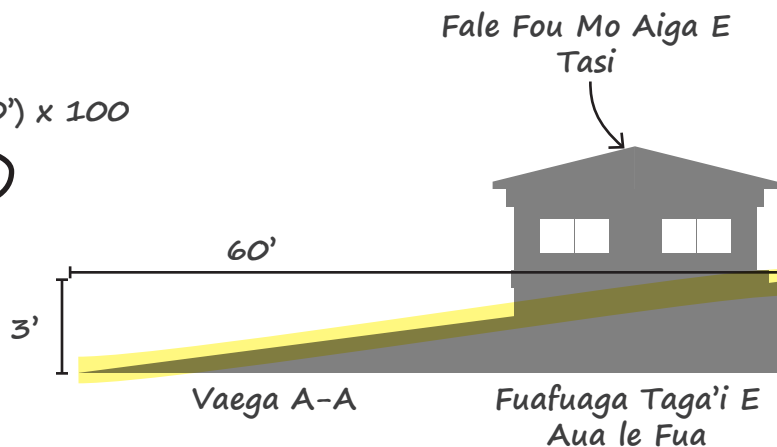
Aofa'i Atoa O Le Laufanua Faalavelaveina
 = Fanua Atoa
 = 60' x 100'
 = 6,000 Sikuea Futu

A'EGA

Siitia o suiga o fanua saiti o galuega faatino e 3' le mamao faalava o 60'.

$$\% \text{ A'ega} = (3' \div 60') \times 100$$

$$= 5\%$$



MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B



City and County of Honolulu

Erosion and Sediment Control Plan Small Project Template
for Categories 1A, 1B and 2

Construction Site Project Name: Mr. Smith's New Single-Family Dwelling

Physical Site Address: 1234 O'ahu Street

Building Permit Application Number: 2018-00-0000

Disturbed Area (square-feet)*: 6,000 sq. ft.

*Disturbed area includes the project area, construction access on unpaved surfaces, and storage/ staging area(s).

Instructions:

Use this template to prepare an Erosion and Sediment Control Plan (ESCP) for projects under the City and County of Honolulu, Department of Planning and Permitting (DPP) Categories 1A, 1B, and 2. This ESCP may be prepared and must be signed by the property owner or an authorized agent designated by the owner. Submit a completed ESCP with the building permit application and keep a copy of the approved ESCP on the job site at all times. Any changes to the approved ESCP must be approved by the DPP.

Refer to the guidance booklet "How to Prepare Erosion and Sediment Control Plan for Small Construction Projects" available on DPP's website @ www.honolulu.dpp.org for more information on each BMP below. Select the BMPs which will be used at the site and if not used, provide a brief explanation for why it is not needed or impracticable for the site.

Designate a certified ESCP coordinator for the project by providing the information on page 6 of this template or sending written notice to DPP (the form is available on DPP's website). The ESCP coordinator is responsible for performing inspections before construction starts and at least once every 30 days until permanent stabilization is in place.

I. EROSION PREVENTION BMPs: practices that prevent erosion from occurring.

1. Permanent Stabilization (REQUIRED)

- Prior to closing of any permit(s) permanent stabilization must be in place which includes the following requirements:
- All exposed disturbed areas must be permanently stabilized with ground covering such as vegetation, gravel, or pavers;
 - Rain gutters, downspouts, and channelized flows must be installed and functioning as designed;
 - In seeded areas, grass or vegetation must cover at least 90 percent of the disturbed soils or must be temporary stabilized while it is growing;
 - Temporary measures, such as sediment barriers, should be removed when permanent measures are in place;
 - All paved surfaces must be clean; and
 - Storm drain inlet filters must be removed after all cleanup activities have been completed.

2. Slope Management and Protection (Category 1B and 2 only)

Areas disturbed on a slope greater than 15% must be protected when work is inactive for seven (7) days or more.

To find the slope, divide the vertical height of your slope by the horizontal length of your slope and multiply by 100. For example, if your slope measures 3 feet vertically, and 10 feet horizontally, your slope would be 3 / 10 X 100= 30%.

Check if will be used:

1. Rolled erosion control products	<input type="checkbox"/>
2. Hydraulic mulch or hydroseed	<input type="checkbox"/>
3. Hydraulic or bonded fiber matrix	<input type="checkbox"/>
4. Planting and/ or vegetation providing at least 70% surface cover	<input type="checkbox"/>
5. Other: (please specify)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Will Not Use	

If this BMP will not be used, provide brief explanation:
Slopes are less than 15%.

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B

3. Temporary Stabilization (Category 1B and 2 only)	
Use one or more of the following to protect disturbed areas that will not be worked on within 14 days: Check if will be used:	
1. Rolled erosion control products	<input type="checkbox"/>
2. Hydraulic mulch or hydroseed	<input type="checkbox"/>
3. Hydraulic or bonded fiber matrix	<input type="checkbox"/>
4. Planting and/or vegetation providing at least 70% surface cover	<input type="checkbox"/>
5. Other: (please specify)	<input type="checkbox"/>
	<input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Do not anticipate delays of 14 days or more.</i>	
II. SEDIMENT CONTROL BMPs: practices to prevent soil and sediment from leaving the project site and entering storm drains during rain events.	
1. Perimeter Controls	
Sediment fences or barriers shall be used at the perimeter of all disturbed areas where there is potential for runoff to flow off the project site, Barriers may include gravel bags, sand bags, fiber rolls, silt fences, compost socks, or an equivalent BMP that intercepts runoff.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
2. Storm Drain Inlet Protection	
Inlet protection is required over storm drains that may receive runoff from your site unless those inlets drain to a sediment basin or trap. Inlet protection should be removed during severe storm events to prevent flooding.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
III. GOOD HOUSEKEEPING BMPs: practices that prevent pollution by limiting or reducing potential pollutants at their source.	
1. BMP and Site Maintenance (REQUIRED)	
Regularly inspect and maintain BMPs to ensure continued performance.	
2. Dust Control	
Use one of the following to control dust: Check if will be used:	
1. Mulching to a depth of one inch or more	<input type="checkbox"/>
2. Sprinkling exposed soils with water to maintain moistness	<input checked="" type="checkbox"/>
3. Vertical dust barriers	<input type="checkbox"/>
	<input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
3. Concrete Waste Management	
Conduct washout off-site or perform onsite in a designated area, away from water bodies, channels, or storm drains. Construct and maintain washout to contain all liquid and concrete waste generated.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
4. Stockpile Management	
Locate stockpiles away from drainage ways or other areas of concentrated flows. Use a barrier around stockpiles and cover if they will not be actively used within seven (7) days.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
5. Vehicle Tracking Control	
Restrict vehicle traffic to properly designated areas and remove sediment from vehicle tires prior to exiting the project site. All sediments that are tracked or discharged off-site must be swept or vacuumed at the end of each day.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B

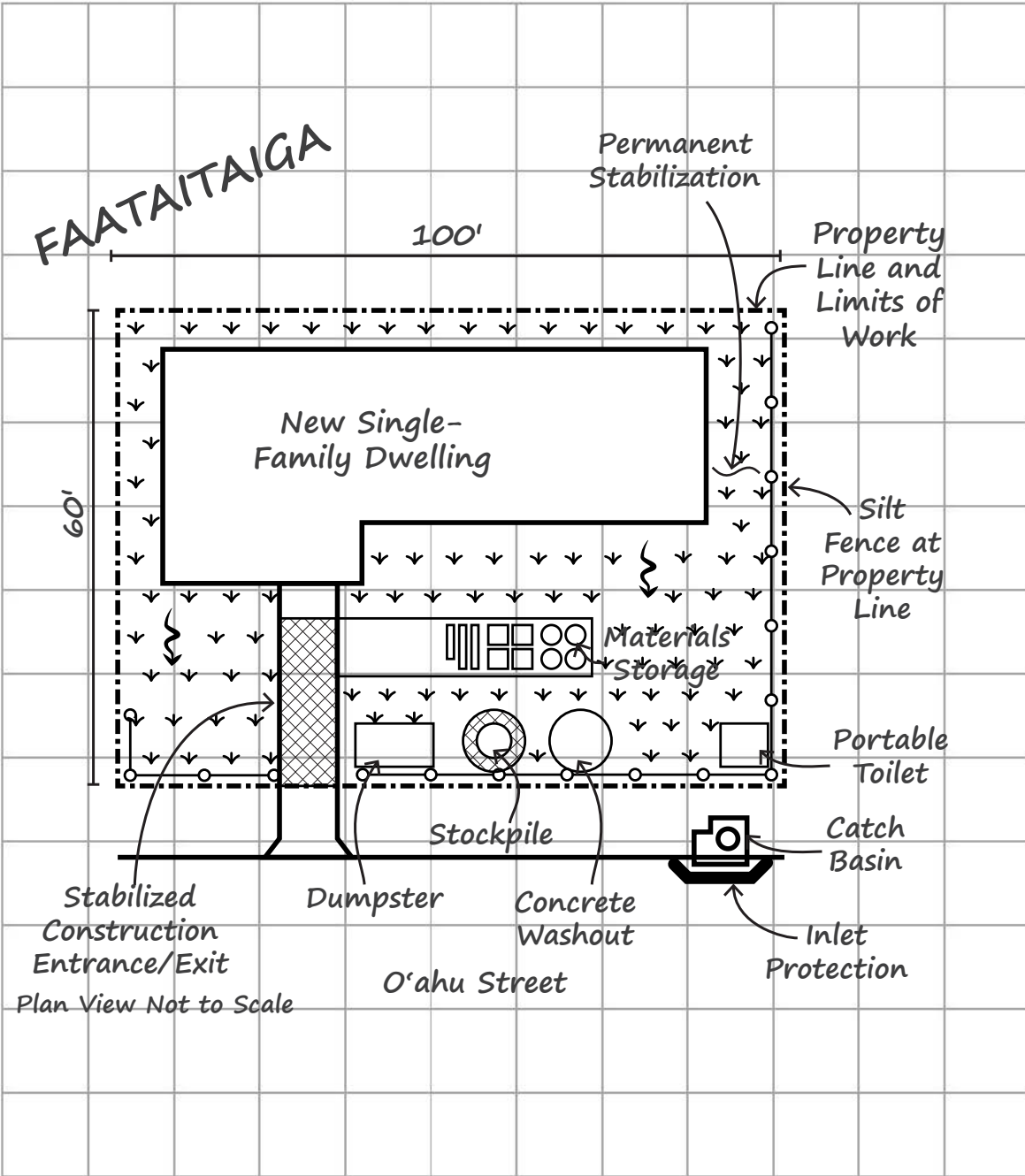
6. Material Delivery, Storage and Use Management	
Minimize the storage of potential pollutants onsite, store materials in a designated area, and install secondary containment. Do not store materials in buffer areas, near areas of concentrated flow, or areas abutting the City storm drainage system, receiving waters, or drainage improvements that discharge off-site.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
7. Spill Prevention and Control	
Keep ample supply of cleanup materials onsite. Clean up spills immediately, using dry clean-up methods where possible, and dispose of used materials properly.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
8. Solid Waste Management	
Provide designated waste collection areas for solid waste or construction and demolition waste, collect trash daily, and dispose at authorized disposal areas.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
9. Portable Toilets (Sanitary/ Septic Waste Management)	
Temporary and portable sanitary and septic waste systems shall be mounted or staked in, well-maintained and scheduled for regular waste disposal and servicing.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
10. Liquid Waste Management BMPs	
Contain liquid wastes in a holding pit, sediment basin, roll-off bin, or portable tank of sufficient volume to contain the liquid wastes generated.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>Will not generate liquid waste.</i>	
11. Vehicle and Equipment Cleaning, Fueling, and Maintenance	
Prevent pollutants in storm water from vehicle and equipment cleaning, fueling and maintenance by using off-site facilities when feasible, performing work in designated areas only, using spill pads under vehicles and equipment, checking for leaks and spills, and containing and cleaning up spills immediately.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
12. Hazardous Waste Management	
Prevent or reduce the discharge of pollutants to storm water from hazardous waste through proper material use and waste disposal.	<input checked="" type="checkbox"/> Will Use <input type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
13. Contaminated Soil Management	
Contain contaminated material soil by surrounding with impermeable lined berms or cover exposed contaminated material with plastic sheets. Contaminated soil should be disposed of properly in accordance with all applicable regulations.	<input type="checkbox"/> Will Use <input checked="" type="checkbox"/> Will Not Use
If this BMP will not be used, provide brief explanation:	
<i>No known contamination on site.</i>	

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B

SITE DIAGRAM

Provide a drawing of your site below or attach another map. Include the building outlines, property boundary or fence line, the limits of where your work will be located, flow arrows indicating direction of storm water runoff, location of BMPs, and any storm drains within 50 feet of your property. The drawing does not need to be to scale.



Plan View Not to Scale

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B

PROJECT SCHEDULE

Use the table below or attach a separate project schedule to this ESCP. Project schedules must establish a sequence of all planned actions and activities on the project site, including, but not limited to, all land disturbing activities, the implementation of the BMPs identified in the project ESCP, scheduled inspections and maintenance of BMPs, and the removal of temporary BMPs. The project schedule shall include specific dates or project milestones i.e. install BMPs – 1 day, clear & grub - 2 days, construction – 2 weeks, stabilize disturbed areas – 1 day, remove BMPs – after vegetation is 90% established.

PROJECT SCHEDULE	
Action	Timeline or Date
Notify the Department of Planning and Permitting of Project Start Date - 768-8132 or dpp.npdes@honolulu.gov	2 weeks before starting work
<i>Install BMPs</i>	<i>1 day</i>
<i>Clear site</i>	<i>3 day</i>
<i>Construct house</i>	<i>4 months</i>
<i>Plant grass and landscaping</i>	<i>2 weeks</i>
<i>Remove BMPs after grass and landscaping is established</i>	<i>1 day</i>

RAIN RESPONSE PLAN

The following will be performed when severe rain is forecast:
<ul style="list-style-type: none"> Temporarily suspend land disturbing activities including clearing, grubbing, grading and trenching. Inspect all BMPs and maintain as needed. Reinstall BMPs that were removed due to active work in the area. If a severe storm is expected, remove inlet protection devices to prevent flooding on surrounding streets. Cover or relocate material stockpiles and liquid material containers to avoid contact with rainwater. Place spill pans or oil-only spill pads under construction vehicles to prevent runoff from contacting any spilled petroleum products. Properly dispose of any accumulated oily water after the rain event. Re-inspect project site after the rain event and replace or maintain BMPs as needed.
Other: (please specify)

MATAUPU SUESUEINA 3: FALE FOU MO AIGA E TASI (VAEGA 1B)

Appendix B

ESCP CERTIFICATION

Construction Site Project Name: Mr. Smith's New Single-Family Dwelling
Physical Site Address: 1234 O'ahu Street
Building Permit Application Number: 2018-00-0000

- 1) By signing, you acknowledge that erosion prevention, sediment control, and good housekeeping BMPs in this ESCP are mandatory conditions of your building and/or grading permit and are subject to inspection and enforcement by the Department of Planning and Permitting, in accordance with Section 20-3-7 of the Rules Related to Water Quality.
- 2) If the proposed land disturbing work will be performed in the city sidewalk or right-of-way and/or best management practices installed in the sidewalk area (area between the property line and edge of pavement), the owner is responsible for obtaining a Permit for Street Usage from the Department of Transportation Services, 650 S. King Street, 2nd Floor, Honolulu, Hawaii, 96813.
- 3) The owner is responsible for installing appropriate barricades, flashers, and signage for pedestrian and vehicular safety, and removing the inlet protection(s) before a storm event to prevent flooding of the road and after the project site is completely stabilized.

John Smith

Owner / Authorized Agent Name*
(*Provide Letter Designating Authorized Agent Form if different from owner)

John Smith
Signature

4/4/2019

Date

Check this box to designate the person below as the ESCP Coordinator. If this box is checked, Appendix A is not required to submit, unless revising, or adding a new ESCP Coordinator to inspect this project.

Jane Doe

ESCP Coordinator Name
(if different from owner/ authorized agent)

Jane Doe
Signature

4/4/2019

Date

Certification #: 1111 Phone: 808-2222 Email: jane.doe@email.com

Mailing Address: 5678 Island Way, Honolulu, HI 96855

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Appendix C

City and County of Honolulu



FAATAITAI AIGA

Construction Site BMPs Inspection Checklist For CCH Category 1A, 1B, 2, 3, and 4 and Trenching Projects

General Information	
Project Name:	Mr. Smith's New Single-Family Dwelling
ESCP Coordinator:	Ms. Jane Doe
Location:	1234 O'ahu Street
Owner/Authorized Agent:	John Smith
Contractor:	Konekarate ABC
1. City Permit (check all that apply)	Building #: BP#12345 Exp. Date: 08/16/2019 <input checked="" type="checkbox"/> Grading #: <input type="checkbox"/> Grubbing #: <input type="checkbox"/> Exp. Date: <input type="checkbox"/> Stockpiling #: <input type="checkbox"/> Trenching #: <input type="checkbox"/> Exp. Date: <input type="checkbox"/>
2. Other Permits (list all):	
Inspection Type	
<input type="checkbox"/> Pre-construction inspection	<input checked="" type="checkbox"/> Regular Monthly Inspection (Category 1A, 1B, 2) <input type="checkbox"/> Regular Weekly Inspection (Category 3, 4, Trenching) <input type="checkbox"/> Re-inspection
Project Phase (check all that apply)	
<input type="checkbox"/> Mobilization / Demolition	<input type="checkbox"/> Grubbing / Clearing <input type="checkbox"/> Rough Grading <input checked="" type="checkbox"/> Infrastructure / Utilities
<input checked="" type="checkbox"/> Building Construction	<input type="checkbox"/> Final Grading <input type="checkbox"/> Final Stabilization
Records Review (If "No" is checked for any of the following columns, complete Deficiencies / Corrective Action Report on page 3.)	
Pre-Construction Inspection	Available at Site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Complete, Signed, and Current: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Weekly or Monthly Construction Inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Erosion and Sediment Control Plan (ESCP)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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Appendix C

Construction BMP Inspection Results (Mark the BMPs that are required per Plan for each column)

Construction BMP	Installed / Maintained /		Number of Deficiencies
	Installed /	Maintained /	
Erosion Prevention			
<input checked="" type="checkbox"/> Project Planning and Design	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Project Scheduling	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Slope Management and Protection	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	1
<input checked="" type="checkbox"/> Temporary Stabilization	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
<input checked="" type="checkbox"/> Permanent Stabilization	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Diversion BMPs to divert runoff from upstream areas around disturbed areas	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Velocity Dissipation Devices	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Other:	<input type="checkbox"/> Y	<input type="checkbox"/> N	
Sediment Control			
<input checked="" type="checkbox"/> Inlet and Storm Drain Protection	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2
<input checked="" type="checkbox"/> Perimeter Control	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	1
<input type="checkbox"/> Other:	<input type="checkbox"/> Y	<input type="checkbox"/> N	
Construction BMP			
Installed /		Number of Deficiencies	
Good Housekeeping			
<input checked="" type="checkbox"/> BMP and Site Maintenance	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	4
<input type="checkbox"/> Dust Control	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Material Delivery, Storage, and Use BMPs	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2
<input checked="" type="checkbox"/> Stockpiling Management	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	1
<input checked="" type="checkbox"/> Spill Prevention and Control	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Solid Waste Management	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2
<input type="checkbox"/> Hazardous Waste Management	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Contaminated Soil Management	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Concrete Waste Management	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Sanitary / Septic Waste Management	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Liquid Waste Management	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Vehicle & Equipment Cleaning	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Vehicle & Equipment Fueling	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Vehicle & Equipment Maintenance	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input checked="" type="checkbox"/> Vehicle Tracking Control	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2
<input checked="" type="checkbox"/> Stabilized Construction Entrance and Exit	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	2
<input type="checkbox"/> Dewatering Operations BMPs.	<input type="checkbox"/> Y	<input type="checkbox"/> N	
<input type="checkbox"/> Other:	<input type="checkbox"/> Y	<input type="checkbox"/> N	

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Appendix C

Deficiencies / Corrective Action Reports					
Item No.	Location	Description of Deficiency	Date Corrected	Action Taken	ESCP amendment required (Y/N)
1	Front Driveway of Property	Sediment Tracking onto Roadway	8/16/18	Swept Roadway. Added BMPs	Y
2	Sidewalk Area	Unprotected Soil Stockpiles on Sidewalk	8/16/18	Protected Stockpile	Y
3	East Side of Property	Sediment Discharge onto Roadway	8/16/18	Swept Roadway. Added BMPs	Y
4	Southwest Corner of Property	Unprotected Exposed Slope	8/16/18	Swept Roadway. Added BMPs	Y

FAATAITAI MO ASIASIGA

Ms. Jane Doe
 ESCP Coordinator


 Signature

4/4/2019
 Date

Appendix C

Deficiencies / Corrective Action Reports (attach additional pages as needed)

Photo # 1



Taken By: Jane Doe Date: 4/4/2019
 Description: 1234 O'ahu Street

Comments:
 Sediment tracking onto roadway. Recommend sweeping road to remove any dirt tracked and installing entrance protection with gravel or other means to prevent tracking. Recommend installing perimeter and slope protection BMPs.

Status: Completed Priority: High

Corrected by (initials) JD Date: 4/4/2019

Comments:
 Swept roadway and installed biosock along perimeter. Placed down 6" layer of gravel with blanket filter fabric lining underneath at entrance.

Rev. 7/30/2018

Photo # 2



Taken By: Jane Doe Date: 4/4/2019
 Description: 1234 O'ahu Street

Comments:
 Illegal unprotected stockpile stored on sidewalk. Recommend moving stockpile onto property and protecting with perimeter control and possibly covering material.

Status: Completed Priority: High

Corrected by (initials) JD Date: 4/4/2019

Comments:
 Swept roadway and moved stockpile onto property. Installed biosock around stockpile and covered with tarp.

Page 4 of 4

FAATAITAI MO ASIASIGA

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Appendix C	
<p>Deficiencies / Corrective Action Reports (attach additional pages as needed)</p> <p>Photo # 1</p> 	<p>Photo # 2</p> 
<p>Taken By: Jane Doe Date: 4/4/2019</p> <p>Description: New single-family dwelling at 1234 O'ahu Street</p> <p>Comments: Lack of perimeter control BMPs and evidence of sediment discharge onto roadway. Recommend installing sediment control BMPs at perimeter and protecting exposed soil. Sweep and remove soil residue off road. Remove construction materials and store properly.</p> <p>Status: Completed Priority: High</p> <p>Corrected by (initials) JD Date: 4/4/2019</p> <p>Comments: Swept roadway and installed biosock and silt fence at perimeter. Removed construction materials and disposed properly.</p>	<p>Taken By: Jane Doe Date: 4/4/2019</p> <p>Description: New single-family dwelling at 1234 O'ahu Street</p> <p>Comments: No slope protection and lack of BMPs at perimeter, signs of sediment discharge onto sidewalk. Recommend protecting slope with matting and install sediment control BMPs at perimeter. Sweep and remove soil off sidewalk. Remove construction materials off sidewalk and store properly. Clean inlet.</p> <p>Status: Completed Priority: High</p> <p>Corrected by (initials) JD Date: 4/4/2019</p> <p>Comments: Swept sidewalk and cleaned inlet of debris and sediment. In stalled silt fence at the bottom of slope and placed matting over slope. Removed construction materials and disposed properly.</p>

FESOOTA'IGA MO LE OFISA MA MATAGALUEGA O FUAFUAGA MA PEMITA

Fesili Patino I Pemita Fau fale Alavai 768-8230
Matagi

Fesili Patino I Pemita Mo Eliga Alavai 768-8216 po
Matagi o 768-8217

FAAMATALAGA MA AOAOGA I LUGA O LE INITANETI

Faamaoniga O Aoaoga Mo Pule O Fuafuaga mo Tafia ma Puipuiga o Palapala:
q-r.to/DPP-SWQ



Fomu/Pepa Faatumu:

www.honoluludpp.org/ApplicationsForms/StormwaterQuality.aspx

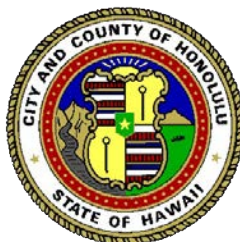
TOA O SIOSIOMAGA MA TAU I MO TUAOI LELEI

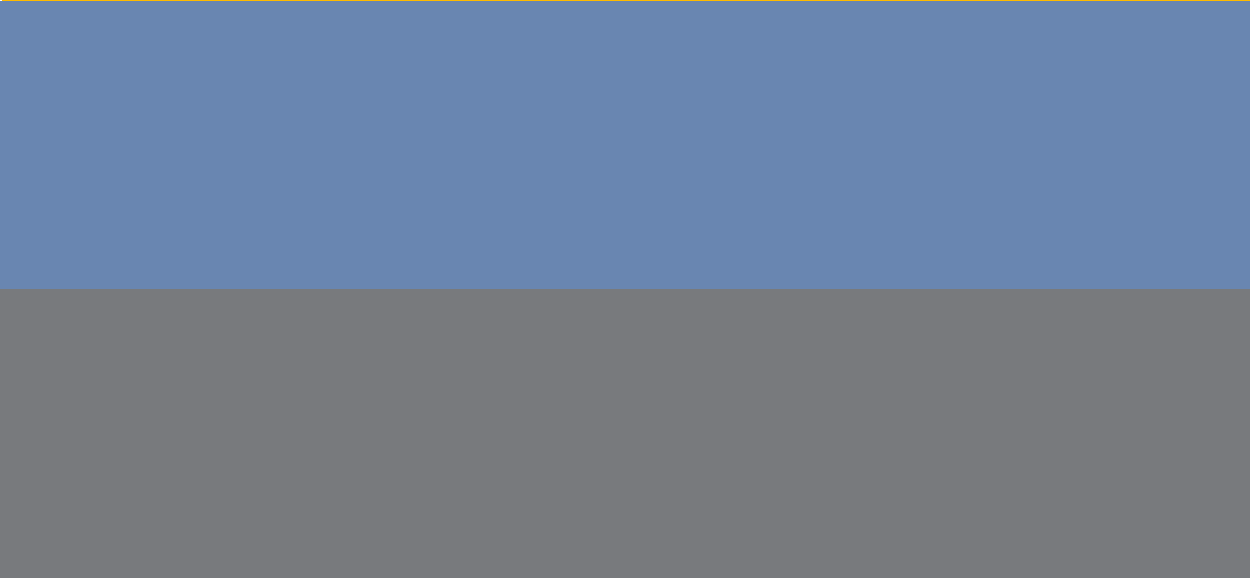
E ta'i lua tausaga ma filifili e le Ofisa o Matagaluega O Tausiga, le vaega o Faaleleia O Vai Matagi a le Aai ma le Itumalo o Honolulu se tasi o konekarate mo le tau i o le Toa O Siosiomaga ma se tasi mo le Tau i Mo Tuaoi Lelei.

O le Aai e filifilia tagata e tauaao atu ai nei togi e faavae i luga o faamatalaga mai i asiga o le fanua saiti ma e faaalua ai taumafaiga maoae a le pisinisi e usitaia tulafono o le suavai i a latou galuega faatino.

O pisinisi sa amanaia e le gata na tele se tausiga o a latou galuega faatino, ae o le siosiomaga atoa e ala i le fatuina o ni faiga aoga e taofia ai le soloiesea o gaosa mai le fanua saiti, ma sa tuuina atu ai ni aoaoga lautele i tagata faigaluega ma le faatinoina o le puipuiga lelei mai mea faataumaoui.

O pisinisi ua filifilia e faalauiloa i le lautele ma fesootaiga eseese ma valaaulia i se sauniga o le aloa'iaina lea e faafetaia patino ai i latou e le ofisa o le Pulenuu.





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CLEAN WATER

