### PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES

- Contractor shall observe and comply with all federal, state, and local laws required for the protection of public health, safety and environmental quality.
- The Contractor, at his own expense, shall keep the project and its surrounding areas free from dust nuisance. The work shall be in conformance with the Air Pollution Standards and Regulations of the State Department of Health. The State shall require supplementary measures if required.
- The Contractor shall be responsible for the cleaning and removal of all silt and debris generated by his work and deposited and accumulated within downstream waterways, ditches and drain pipes and public and private roadways. The Contractor agrees to reimburse the State for all costs expended in performance of above work if required for public health and safety or made necessary by non-performance by the Contractor.
- 4. The Contractor shall not perform any construction operation so as to cause falling rocks, soil or debris in any form to fall, slide or flow into existing city drainage systems, or adjoining properties, streets or natural watercourses. Should such violations occur, the Contractor may be cited and the Contractor shall immediately make all remedial actions necessary.
- 5. The Contractor shall provide, install and maintain all necessary signs, lights, flares, barricades, markers, cones, and other protective facilities and shall take all necessary precautions for the protection, convenience and safety of the public.
- The Contractor's attention is directed to HAR Title 11 Chapter 46, Public Health Regulations, Department of Health, State of Hawaii, "Community Noise Control," in which maximum permissible noise levels have been set. If the construction work requires a permit from the Director of Health, the Contractor shall obtain a copy of Chapter 46 and become familiar with the noise level restrictions and the procedures for obtaining a permit for the construction activities. Application and information on variances are available from the Environmental Protection and Health Services Division, Indoor and Radiological Health Branch, 99-945 Halawa Valley Street, Aiea, HI 96701 or by telephone (586-4700).

#### GRADING NOTES

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- All grading work shall be done in accordance with Chapter 14, Articles 13, 14, 15 and 16, as related to grading, soil erosion and sediment control, of the Revised Ordinances of Honolulu, 1990, as amended and applicable provisions of Chapter 54, Water Quality Standards and Chapter 55, Water Pollution Control, Title II, Administrative Rules of the State Department of Health.
- No Contractor shall perform any grading operation as to cause falling rocks, soil or debris in any form to fall, slide or flow onto adjoining properties, streets or natural watercourses. Should such violations occur, the contractor may be cited and the Contractor shall immediately make all remedial actions necessary.

#### GRADING NOTES

- 3. The Contractor, at his own expense, shall keep the project area and surrounding area free from dust nuisance. The work shall be in conformance with the air pollution control standards contained in the Hawaii Administrative Rules, Title 11, Chapter 60.1, "Air Pollution Control".
- 4. The underground pipes, cables or ductlines known to exist by the engineer from his search of records are indicated on the plans. The Contractor shall verify the locations and depths of the facilities and exercise proper care in excavating in the area.
- Best Management Practices shall be installed to prevent surface waters from damaging the cut face of an excavation or the sloped surfaces of a fill. Furthermore, Best Management Practices shall be installed to prevent sediment-laden runoff from leaving the site.
- 6. All 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 work has been completed. Grading to final grade shall be continuous, and any area within which work has been interrupted or delayed for longer than 14 day shall be planted.
- Fills on slopes steeper than 5:1 shall be continuously keyed and benched as the fill is brought up in lifts.
- 8. No grading work shall be done on Saturdays, Sundays and holidays at any time without prior notice and approval from the Engineer.
- 9. The limits of the area to be graded shall be flagged before the commencement of the grading work.
- 10. Where applicable and feasible, the measures to control erosion and other pollutants shall be in place before any earth moving phase of the grading is
- 11. Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.
- 12. All grading and construction work shall implement measures to ensure that the discharge of pollutants from the construction site will be reduced to the maximum extent practicable and will not cause or contribute to an exceedance of water quality standards.
- 13. Non-compliance to any of the above requirements shall mean immediate suspension of all work, and remedial work shall commence immediately. All costs incurred shall be billed to the violator. Furthermore, violators shall be subjected to administrative, civil and/or criminal penalties.

# PUBLIC TRANSIT DIVISION, DTS NOTE

This project will affect bus routes, bus stops, and para-transit operations. At least two (2) weeks prior to construction, the Contractor shall provide notification of the scope of work, location, detour, proposed closure of any street, traffic lane, sidewalk, or bus stop and duration of project to:

Department of Transportation Services, Public Transit Division: 768-8396 and TheBusStop@honolulu.gov

Oahu Transit Services, Inc.: Bus Operations: 768-9520 and 848-4565 and Field\_Operation\_Mgr@thebus.org Para-transit Operations: 454-5007 and 768-9852

# **ABBREVIATIONS**

AC, ac	Asphalt Concrete	M.H.	Matchline
AH.	Ahead	Min.	Minimum
BK.	Back	NTS	Not to Scale
₿,BL	Baseline	O.C.	On Center
BMP	Best Management	0/H	Overhead
	Practices	0/5	Offset
Bott.	Bottom	PC	Point of Curvature
<b></b>	Centerline	PERM.	Permanent
CL	Chain Link	PI	Point on Intersection
Clr.	Clearance	PID	Project Identification
Conc.	Concrete		Number
Det.	Detail	POC	Point on Curvature
Dia.	Diameter	PT	Point of Tangency
EA	Each	R	Radius
EB	Eastbound	Rt.	Right
EC	Erosion Control	r/w	Right-of-Way
ECM	Erosion Control Mat	S	Slope
Elev	Elevation	SFM	Sewer Force Main
EQ	Equal	s/	Street Light
ep	Edge of Pavement	SLB	Street Light Box
es	Existing Edge of	Sta.	Station
	Shoulder	Std.	Standard
etw	Existing Edge of	ST. MON.	Street Monument
	Travel Way	sym.	Symbol
exist.	Existing	<i>†</i>	Telephone
ftg.	Footing	T/thk	Thick
gdi	Grated Drain Inlet	TC	Traffic Control
G.W.	Guy Wire	TCP	Traffic Control Plan
I.D.	Inside Diameter	Typ.	Typical
I.E./inv.	Invert Elevation	UG	Underground
<u>L</u>	Length	U.P.	Utility Pole
Lt.	Left	W	Water w:d+b
Max.	Maximum	W	Width

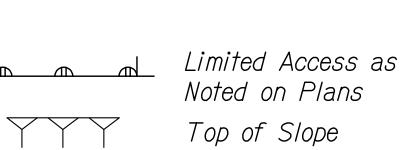
FED. ROAD

HAWAII

DIST. NO.

STATE

<u>LEGEND</u>	
	Property Line
	Limits of Work
	Centerline
	Existing Guardrail
	Temporary Fiber Roll
<b>—</b> ~}	Runoff Direction
	Type 1 ECM



Access Permitted

Access Permitted

No Access Permitted

No Vehicular

SHEET TOTAL

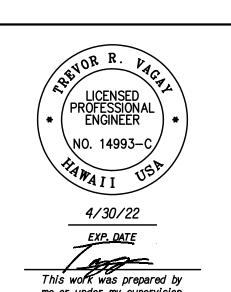
FISCAL

2020

PROJ. NO.

HWY-O-02-19

Type 2 Temporary ECM and Landscape Planting



and Landscape

*Planting* 

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

# CONSTRUCTION NOTES

EROSION CONTROL AND BEST MANAGEMENT PRACTICES FOR STORM WATER PERMIT COMPLIANCE, VARIOUS LOCATIONS ON OAHU Project No. HWY-0-02-19 Scale: None

SHEET No. N-02 OF 10 SHEETS

Date: May 2020