

ORIGINAL PLAN
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03.CONSTRUCTION NOTES-ONG 4/29/2020 15:55:45 AM

PUBLIC HEALTH, SAFETY, AND CONVENIENCE NOTES

1. Contractor shall observe and comply with all federal, state, and local laws required for the protection of public health, safety and environmental quality.
2. 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.
3. 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.
6. 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

1. 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.
2. 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.
5. 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.
7. 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 initiated.
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 Practices	O/H	Overhead
		o/s	Offset
Bott.	Bottom	PC	Point of Curvature
CL	Centerline	PERM.	Permanent
CL	Chain Link	PI	Point on Intersection
Clr.	Clearance	PID	Project Identification Number
Conc.	Concrete	POC	Point on Curvature
Def.	Detail	PT	Point of Tangency
Dia.	Diameter	R	Radius
EA	Each	Rt.	Right
EB	Eastbound	r/w	Right-of-Way
EC	Erosion Control	S	Slope
ECM	Erosion Control Mat	SFM	Sewer Force Main
Elev	Elevation	sl	Street Light
EQ	Equal	SLB	Street Light Box
ep	Edge of Pavement	Sta.	Station
es	Existing Edge of Shoulder	Std.	Standard
etw	Existing Edge of Travel Way	ST. MON.	Street Monument
		sym.	Symbol
exist.	Existing	t	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
L	Length	U.P.	Utility Pole
Lt.	Left	w	Water
Max.	Maximum	W	Width

LEGEND

	Property Line		Access Permitted
	Limits of Work		No Vehicular Access Permitted
	Centerline		No Access Permitted
	Existing Guardrail		Limited Access as Noted on Plans
	Temporary Fiber Roll		Top of Slope
	Runoff Direction		Type 2 Temporary ECM and Landscape Planting
	Type 1 ECM and Landscape Planting		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-02-19	2020	5	48

FERDOR R. YAGAL

LICENSED PROFESSIONAL ENGINEER

NO. 14993-C

HAWAII USA

4/30/22

EXP. DATE

This work was prepared by me or under my supervision.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

CONSTRUCTION NOTES

EROSION CONTROL AND BEST MANAGEMENT PRACTICES FOR STORM WATER PERMIT COMPLIANCE, VARIOUS LOCATIONS ON OAHU

Project No. HWY-O-02-19

Scale: None

Date: May 2020