PVT Integrated Solid Waste Management Facility Relocation Project

PVT Land Company, Ltd.
Wai‘anae District, O‘ahu, Hawai‘i
Tax Map Key (TMK) 8-7-009:007

February 2020
## SITE PLANS

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Legend

- Pongamia Tree
- Native Hawaiian Kou
- Native Manele
- Native Milo
- Native White Hibiscus
- Miss Manila Bougainvillea
- Buffel Grass
- Pohinahina
- Copperleaf
- Artificial Turf
- Native Wetland
- Biofiltration Planting

MATCHLINE

SEE SHEET L-102

MATCHLINE

SEE SHEET L-104

CELL 11

PONGAMIA TREE
25 GAL., 8' HT., 4' SPD.,
15'-18' O.C.

BUFFEL GRASS,
SEEDS WITH
HYDROMULCH

CELL 12

CELL 13

LANDSCAPE PLAN - 3

SCALE: 1" = 150'

0 75 150 300 450

SCALE: 1" = 150'

L-103
OVERALL IRRIGATION PLAN

SCALE: 1" = 500'
PERMANENT IRRIGATION SYSTEM FOR PONGAMIA TREES CONNECTED TO EXISTING BRACKISH GROUND WATER WELL, NORTH WELL (WELL 2408-11)
PERMANENT IRRIGATION SYSTEM FOR PONGAMIA TREES CONNECTED TO EXISTING BRACKISH GROUND WATER WELL, NORTH WELL (WELL 2408-11)
PERMANENT IRRIGATION SYSTEM FOR PONGAMIA TREES CONNECTED TO EXISTING BRACKISH GROUND WATER WELL, NORTH WELL (WELL 2408-11)
PERMANENT IRRIGATION SYSTEM FOR PONGAMIA TREES CONNECTED TO EXISTING BRACKISH GROUND WATER WELL, NORTH WELL (WELL 2408-11)
NOT TO SCALE

SPRAY HEAD POP-UP

NOT TO SCALE

ROTOR HEAD - POP-UP

NOTES:
1. DO NOT INSTALL VALVE BOX IN DRAINAGE SWALE
2. VALVE BOX EXTENSIONS SHALL BE COMPATIBLE WITH CORRESPONDING VALVE BOX
3. 1 VALVE PER VALVE BOX UNLESS OTHERWISE NOTED

<table>
<thead>
<tr>
<th>VALVE BOX CONTENTS</th>
<th>VALVE BOX MODEL NO. (OR APPROVED EQUAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GATE VALVE</td>
<td>RAINBIRD VB 10&quot; ROUND</td>
</tr>
<tr>
<td>ANGLE VALVE</td>
<td>RAINBIRD VB 10&quot; ROUND</td>
</tr>
<tr>
<td>ELECTRIC VALVE</td>
<td>RAINBIRD VB STANDARD</td>
</tr>
<tr>
<td>QUICK COUPLER</td>
<td>RAINBIRD VB 10&quot; ROUND</td>
</tr>
<tr>
<td>IRRIGATION WIRES</td>
<td>RAINBIRD VB STANDARD</td>
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<tr>
<td>WATER METER</td>
<td>RAINBIRD VB STANDARD</td>
</tr>
<tr>
<td>PRESSURE REDUCING VALVE</td>
<td>RAINBIRD VB STANDARD</td>
</tr>
</tbody>
</table>

VALVE BOX TABLE

NOT TO SCALE

NAME: 12/30/98

5/5/15

IH-006A
CONTROLLER-EXTERIOR WALL MOUNTED

NOT TO SCALE

120 V. WIRES IN CONDUIT
TO POWER SOURCE

IRRIGATION CABLE - TYPE UF-600 V., AWG 14/1 IN CONDUIT BETWEEN CONTROLLER AND NEAREST IRRIGATION PIPE. BEYOND THAT POINT, DIRECT BURY CABLE BELOW IRRIGATION PIPE TO ELECTRIC VALVES.

EXTEND CONDUIT TO NEAREST IRRIGATION PIPE. BEYOND THAT POINT, DIRECT BURY WIRES BELOW PIPE.

VALVE BOX, SEE DETAIL
LOW VOLTAGE WIRING, 1/8" SLACK, NEATLY COILED

PVC SCH 40 MALE REDUCER, BUSHING, BOTH SIDES

MAIN FROM ANGLE VALVE
GRAVEL, SEE VALVE BOX DETAIL

ELECTRIC CONTROL VALVE

ELECTRIC VALVE

NOT TO SCALE

12/06/02

4'-6'' BETWEEN CONTROLLER AND NEAREST TYPE UF-600 V., AWG 14/1 IN CONDUIT IRRIGATION PIPE. BEYOND THAT POINT, DIRECT BURY CABLE BELOW IRRIGATION PIPE TO ELECTRIC VALVES.

SELECT BACKFILL - NO PARTICLES LARGER THAN 3/8" DIAMETER

BACKFILL MATERIAL - NO ROCKS LARGER 1" DIAMETER

GRAVEL, SEE VALVE BOX DETAIL
PVC SCH 40 2" MALE ADAPTER

MAIN FROM ANGLE VALVE
18" DEEP SELECT BACKFILL BEDDING WHERE ROCK IS ENCOUNTERED

WATERPROOF SPLICES
FINISH GRADE

4''

NOTE:
DO NOT INSTALL VALVE IN DRAINAGE SWALE

LOW VOLTAGE WIRING, 1/8" SLACK, NEATLY COILED

SIDEWALKS
ROADWAYS

NOT TO SCALE

1/8" MIN. AT SIDEWALKS
24" MIN. AT ROADWAYS

PIPE TRENCH - PLANTED AREAS WITH CONDUIT

NOT TO SCALE

24 V. WIRING INSIDE CONDUIT

6" DEEP SELECT BACKFILL BEDDING WHERE ROCK IS ENCOUNTERED

GRAVEL, SEE VALVE BOX DETAIL
PVC SCH 40 2" MALE ADAPTER

MAIN FROM ANGLE VALVE
18" DEEP SELECT BACKFILL BEDDING WHERE ROCK IS ENCOUNTERED

WATERPROOF SPLICES
FINISH GRADE

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SIDEWALKS
ROADWAYS

NOT TO SCALE

1/8" MIN. AT SIDEWALKS
24" MIN. AT ROADWAYS
# SITE DRAWINGS

## Appendix Q  Buildings
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- Figure 4A  Lower Scale House and Offices Floor Plan
- Figure 5  Lower Employee Break Room and Offices
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- Figure 8  Upper Scale House and Offices
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- Figure 3  Interim Installation Location
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Figure 8A - Upper Scale House & Offices Floor Plan
Figure 8A - Upper Employee Break Room & Offices Floor Plan
Water Storage Tank
Nanakuli, Waianae District, Oahu, Hawaii

Note: Plan and Elevation representative of the two new proposed tanks and the two existing water tanks presently on the property.
Photovoltaic Power System - Initial Installation Location
PVT SWMF Relocation (Phase III)
Nanakuli, Waianae District, Oahu, Hawaii

Figure 2

Legend
Existing Topography Grades
Property Boundary
Proposed Development Grades
Roads
Proposed Limits of Refuse

Perimeter Road
Leeward Naval Road

PV System Area = approximately 7 acres
5,899 Photovoltaic Panels
(See Figure 6 for Panel Installation Details)
Legend

- Existing Topography Grades
- Property Boundary
- Proposed Development Grades
- Roads
- Proposed Limits of Refuse

Photovoltaic Power System - Interim Installation Location
P/V ISMIF Relocation (Phase III)
Nanakuli, Waianae District, Oahu, Hawaii

P/V System Area = approximately 7 acres
5,735 Photovoltaic Panels
(See Figure 5 for Panel installation Details)

Panels to be installed over landfill final cover
1. Panel Concrete Pad Detail
   Scale as shown

2. Panel Ballasted Ground Mount Detail
   Scale as shown

Photovoltaic Power System - Panel Mount & Foundation Details
PVT ISWRF Relocation (Phase III)
Nanakuli, Wai'anae District, Oahu, Hawaii