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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

## GENERAL NOTES:

### GENERAL:

1. The scope of work for this project includes demolition of existing homes, walls and other existing improvements; construction of a new gabion wall, vinyl fencing and gates with concrete mow strip and concrete driveway; grading and various appurtenant and incidental work.
2. Construction and restoration of all existing highway facilities within State highway right-of-way shall be done in accordance with all applicable sections of the current "Standard Specifications For Road and Bridge Construction" and the Project Plans and Special Provisions.
3. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall tone for all utility lines before starting any work. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
4. Smooth riding connections shall be constructed at the limits of roadway resurfacing, including the beginning and end of project, connecting approaches, side streets and driveways as shown on the plans and/or as directed by the Engineer.
5. All saw cutting work shall be considered incidental to Roadway Excavation. The Contractor shall clean up any cuttings and shall not wash down material into the storm drain or sewer systems.
6. All work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to other various contract items and shall not be paid for separately.
7. All work to remove temporary facilities by the Contractor shall be considered incidental to the various contract items in the proposal.

### NOTIFICATION:

8. The Contractor shall obtain a Permit to Perform Work Upon State Highways from the Oahu District Engineer, State Highways, at 727 Kakoi Street, prior to commencement of work within the State's highway right-of-way.
9. The Permit to Perform Work Upon State Highways may be revoked because of default in any of the following, but not limited to, conditions:
  - a. Work performed before or after permitted hours.
  - b. Failure to maintain roadway surfaces in a smooth and safe condition.
  - c. Failure to clean up construction debris generated from project work.
  - d. Failure to provide proper traffic control.
  - e. Failure to replace damaged pavement markings and signs.

Any revocation of the permit shall be at the Contractor's expense and no additional cost to the State and no additional contract time will be added.

10. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting paving operations.

11. The Contractor shall notify the Honolulu Fire and Police Departments, Ambulance and the Oahu Transit Services, Inc. (OTS), Ed Sniffen at 848-4571, or Lowell Tom at 848-1578, two (2) weeks prior to commencing any work. The Contractor shall inform OTS of the location and scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stop.
12. The Contractor shall inform the State Highways' Permit Office (831-6712) at least two (2) days prior to closing any lanes or performing any trench restoration work. This work shall include any backfilling and compacting of trench material; placing and compacting of base course material; and any paving operations. Any trench restoration work performed by the Contractor that is not witnessed by a State Representative will be required to be removed and restored with a State Representative present. All restoration work will be at the Contractor's expense.
13. In the event any artifacts or human remains are uncovered during construction operations, the Contractor shall immediately suspend work and notify the Honolulu Police Department, the State Department of Land and Natural Resources-Historic Preservation Division (692-8015), and the State's Engineer.

### PRECAUTION:

14. The Contractor shall exercise care to minimize damages to existing highway and roadway improvements. All damages shall be repaired by the Contractor, at his expense, to the satisfaction of the Engineer.
15. The Contractor shall exercise care when performing work in or adjacent to the State highway right-of-way. Damages to the existing facilities shall be immediately reported to the respective utility company, private owner, and/or City/State agency. The repair work shall be done at the Contractor's expense.
16. Contractor shall take proper precautions when working near overhead lines.

### WORK EXECUTION:



17. Work may be performed only between the hours of 7:00 a.m. to 3:30 p.m., Monday through Friday, except holidays, unless otherwise permitted by the Engineer. During work hours, only one lane of traffic shall be closed, unless otherwise approved in writing by the Engineer.
18. No material and/or equipment shall be stockpiled or otherwise stored within the Highway Right-of-Way except at locations designated in writing and approved by the Engineer.
19. The Contractor shall reference, to the satisfaction of the Engineer, all existing traffic signs, posts & pavement markings prior to the commencement of construction. The Contractor shall replace or repair all traffic signs, posts & pavement markings disturbed by his activities, at his expense, unless directed otherwise by the Engineer or his representative.

20. All regulatory, guide and construction signs and barricades shall have a high intensity reflective background. Portable concrete barriers shall be reflectorized in accordance with the "Standard Plans", State of Hawaii, Department of Transportation.
21. All traffic control devices including: signs, barricades, vertical panels, drums, warning lights, arrow boards, changeable message signs, cones, delineators and markers shall conform to the American Traffic Safety Services Association (ATSSA) "Quality Standard for Work Zone Traffic Control Devices" dated 2003, and the MUTCD. Compliance with these requirements shall be as described in Section 645 - Work Zone Traffic Control.
22. The Contractor shall provide, install, and maintain all necessary signs, lights, flares, markers, barricades, cones, and other protective facilities, and shall take all necessary precautions for the protection, convenience, and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Administrative Rules of Hawaii Governing the Use of Traffic Control Devices at Work Sites on or Adjacent to Public Streets and Highways", adopted by the Director of Transportation, and the current U.S. Federal Highways Administration "Manual on Uniform Traffic Control Devices, Part VI - Temporary Traffic Control and NCHRP350.
23. Traffic signals shall be kept operational during construction. Temporary operational microwave or other approved detection devices shall be installed three (3) working days prior to any signalized intersection excavation work. All work shall be done in accordance to the requirements of the Department of Transportation Services, City and County of Honolulu, and paid for by the Contractor.
24. All construction signs shall be left in place until all construction items have been completed unless otherwise directed by the Engineer. The Contractor shall obtain prior approval from the Engineer to remove construction signs.
25. After the project is completed, the Contractor shall restore grades and ground cover within the project limits and surrounding areas affected by the project to a condition equal or better than the existing condition prior to construction.

### ACCESS:

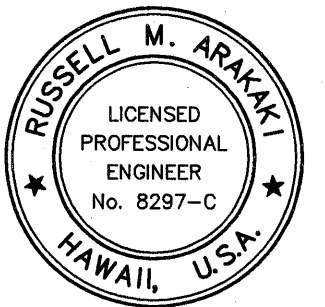
26. Existing pedestrian routes shall be maintained in an ADA accessible condition or an alternate route must be provided around the construction area. Per Americans with Disabilities Act Accessibility Guidelines (ADAAG) Section 4.1.1.4, the temporary accessible route shall comply with the guidelines found in ADAAG Section 4.3, "Accessible Route".
27. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided. All walkways shall conform to ADA requirements.
28. Driveways shall be kept open unless the owners of the properties using these rights-of-way are otherwise provided for satisfactorily.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(122)	2010	ADD. 3	32

29. The minimum clearance around fire hydrants, utility poles, light standard, or any other obstruction shall be 3'-0".
30. A minimum of 36" clear width and 80" headroom clearance height shall be maintained along sidewalk and potential walkways.
31. The Contractor shall provide for access to and from all existing side streets, sidewalks, ADA access routes complying with ADAAG 4.3, driveways and adjacent properties at all times.
32. Design and construction of public access shall be in accordance with the Americans with Disabilities Act.

### TRENCHING:

33. The Contractor shall take a profile along the centerline of the proposed utility trench both before commencing trench excavation work and after trench has been repaved. Profiles shall be submitted to the District Engineer and shall used to verify the roadway surface has been restored to its original condition or smoother.
34. Unless otherwise noted, no trench shall be opened more than 300 feet in advance of installed and tested pipeline and/or ductline.
35. The Contractor shall provide an adequate and safe non-skid bridging material, including shoring, over trenches in pavement areas. The bridging shall be able to support all types of vehicular traffic.
36. The Contractor will make every effort to minimize the use and the duration of use of steel plates. All steel plates shall have a non-skid surface. The State may require the backfilling of patches of trenches due to the excessive usage of steel plates.
37. Temporary cold mix trench patches will be permitted in any given area for a maximum duration of two weeks, and shall be a minimum of 2-inches thick. All temporary patches shall be placed over properly placed and compacted backfill and base course layers. The Contractor shall be responsible for maintaining all temporary patches and to make repairs to unsatisfactory patches within 24 hours.



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

*Russell M. Arakawa* APRIL 30, 2012  
PARK, Inc. LIC. EXP. DATE  
dba PARK ENGINEERING

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

## GENERAL NOTES

CASTLE HILLS ACCESS ROAD  
Drainage Improvements, Phase 1  
FEDERAL-AID PROJECT NO. STP-0300(122)

Scale: None Date: December 2010

SHEET No. *N1* OF *N2* SHEETS



2/7/11

Revised Note 17.

DATE

REVISION

ADD. 3



