

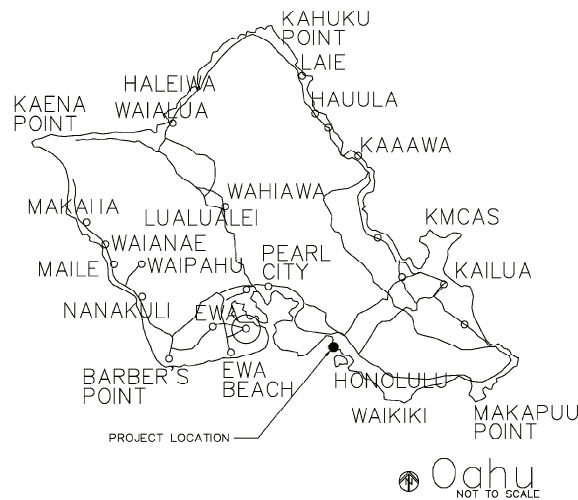
STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
DIVISION OF BOATING AND OCEAN RECREATION

JOB NO. OA15-13

# KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS

HONOLULU, OAHU, HAWAII

TMK: 1-2-025:024



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### DESCRIPTION

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A.C. DEMO AND PAVING (AREA 2)  
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APPROVED:

DATE: 8-27-15

EDWARD R. UNDERWOOD  
ADMINISTRATOR  
DIVISION OF BOATING AND OCEAN RECREATION  
DEPARTMENT OF LAND AND NATURAL RESOURCES

DRAWING NO.  
T-1

GENERAL NOTES:

1. ALL APPLICABLE CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2005, AS AMENDED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS CONTAINED IN THE "WATER SYSTEM STANDARDS" STATE OF HAWAII 2002.
3. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH THE DLNR DIVISION OF BOATING AND OCEAN RECREATION SO AS NOT TO DISRUPT THE OPERATIONS OF THE EXISTING FACILITIES.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES WHETHER SHOWN ON THE CONTRACT PLAN OR NOT. BEFORE DISRUPTING SERVICE OF ANY UTILITY, THE CONTRACTOR SHALL CONTACT THE DLNR DIVISION OF BOATING AND OCEAN RECREATION AND APPROPRIATE RESPONSIBLE UTILITY AUTHORITY. DAMAGE TO THE UTILITIES AS A RESULT OF HIS CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
5. EXISTING UTILITIES THAT ARE TO REMAIN IN USE, WHETHER OR NOT SHOWN ON THE DRAWINGS, SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO SUCH EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
6. UNLESS RELOCATION IS CALLED FOR, EXISTING UTILITIES SHALL REMAIN IN SERVICE AND IN PLACE. IF RELOCATION OF EXISTING UTILITIES IS REQUIRED BY THE CONTRACTOR, INTERRUPTION OF SERVICE SHALL BE KEPT TO A MINIMUM AND SHALL BE DONE AT THE CONTRACTOR'S EXPENSE AND ONLY WITH THE ACCEPTANCE OF THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN FACILITIES AT ALL TIMES.
7. THE CONTRACTOR'S ACCESS TO AND MOVEMENT WITHIN THE AREAS OF WORK SHALL BE COORDINATED WITH THE DLNR DIVISION OF BOATING AND OCEAN RECREATION.
8. THE CONTRACTOR WILL BE REQUIRED TO ARRANGE HIS WORK SO AS TO MINIMIZE INTERFERENCE WITH PUBLIC, LOCAL TRAFFIC AND WORKING OPERATIONS OF THE BUSINESSES WITHIN THE AREA.
9. DO NOT STORE MATERIALS OR EQUIPMENT, OR OPERATE OR PARK EQUIPMENT NEAR OR UNDER THE BRANCHES OF EXISTING PLANTS AND TREES THAT ARE TO REMAIN, EXCEPT AS REQUIRED FOR CONSTRUCTION IN THOSE AREAS. THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM HIS OPERATIONS AND REPAIR OR REPLACE SUCH DAMAGE AT CONTRACTOR'S EXPENSE. REPAIR DAMAGE IN A MANNER SATISFACTORY TO THE ENGINEER.
11. SAFETY BARRIERS AND APPROPRIATE WARNING SIGNS AND DEVICES SHALL BE PROVIDED AT ALL TIMES FOR THE SAFETY OF PEDESTRIANS AND/OR VEHICLES. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO AND FROM ALL DRIVEWAYS AND ROADWAYS.
12. VERIFY AND CHECK ALL DIMENSIONS AND DETAILS PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
13. CONTRACTOR WILL FOLLOW APPLICABLE RULES AND REGULATIONS REGARDING NOISE, DUST CONTROL, VEHICULAR EQUIPMENT AND PROJECT RELATED ACTIONS.
14. EXPOSED AREAS SHALL BE BACKFILLED WITH A MINIMUM OF 6 INCHES OF TOPSOIL AND GRASSED. EXPOSED AREAS SHALL BE DEFINED AS THOSE AREAS WHERE DISTURBANCE OCCURS DUE TO DEMOLITION, REMOVAL, OR TRENCHING AND WHERE NO STRUCTURES OR PAVEMENTS ARE TO BE CONSTRUCTED.
15. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES. ALL DAMAGES SHALL BE REPAIRED OR REPLACED AT NO COST AND TO THE SATISFACTION OF THE ENGINEER. REPAIRS TO ACCOMMODATE NEW CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE NEW WORK.
16. CONTRACTOR SHALL ALLOW CONSTRUCTION TOLERANCE IN ORDER TO MEET THE MINIMUM AND MAXIMUM REQUIREMENTS AS INDICATED IN THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
17. IN THE EVENT ANY ARTIFACTS OR HUMAN REMAINS ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY THE HAWAII POLICE DEPARTMENT, AND THE STATE DEPT. OF LAND AND NATURAL RESOURCES--HISTORIC PRESERVATION DIVISION (808-933-7653).
18. PROVIDE SAFEGUARDS AND EXERCISE CAUTION AGAINST INJURY OR DEFACEMENT OF EXISTING SITE IMPROVEMENTS. VEHICLES SHALL NOT PASS OVER WALKWAYS AND CURBS, UNLESS PROTECTION HAS BEEN PROVIDED.

19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR HIS CONSTRUCTION METHODS, AND FOR JOBSITE SAFETY REQUIREMENTS AND PRECAUTIONS.
20. THE BOATING FACILITY SHALL BE IN USE AND REMAIN OPEN DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL INSTALL ADEQUATE TEMPORARY BARRICADES AND WARNING SIGNS TO PROTECT THE PUBLIC DURING THE CONSTRUCTION PERIOD.
21. WHERE EXISTING VALVE BOXES, MANHOLES, CLEANOUTS, MONITORING WELL COVERS, AND ANY OTHER UTILITY BOXES ARE ENCOUNTERED, CONTRACTOR IS REQUIRED TO RAISE THEM TO FINISH GRADE TO THE SATISFACTION OF THE ENGINEER.
22. THE LOCATION OF EXISTING UTILITIES KNOWN TO EXIST BY THE ENGINEER ARE APPROXIMATE AND NOTED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND EXERCISE PROPER CARE WHEN EXCAVATING THE AREA. WHEREVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AND VERIFY THE LOCATION AND DEPTH BEFORE EXCAVATION AND PLACEMENT OF THE NEW LINES.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER QUALITY AND WATER POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, CHAPTER 11-54, "WATER QUALITY STANDARDS" AND CHAPTER 11-55 "WATER POLLUTION CONTROL" AS WELL AS CHAPTER 14 OF THE REVISED ORDINANCES OF HONOLULU, AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.
24. THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCE, RUBBISH, AND NOISE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
25. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL IMPROVEMENTS DAMAGED AS A RESULT OF THEIR ACTIVITIES INCLUDING, BUT NOT LIMITED TO, PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, SIDEWALKS, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION ACTIVITIES SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN THE AMOUNT PAID FOR INSTALLATION OF THE WATERLINE.
26. THE CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING CONSTRUCTION, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; AND THAT THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

HEALTH, SAFETY AND CONVENIENCE:

1. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH AND 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 DONE IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. THE COUNTY SHALL REQUIRE SUPPLEMENTARY MEASURES AS NECESSARY.
3. 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. NO CONTRACTOR SHALL PERFORM ANY GRADING OPERATIONS SO 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 COSTS INCURRED FOR ANY REMEDIAL ACTION BY THE ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.

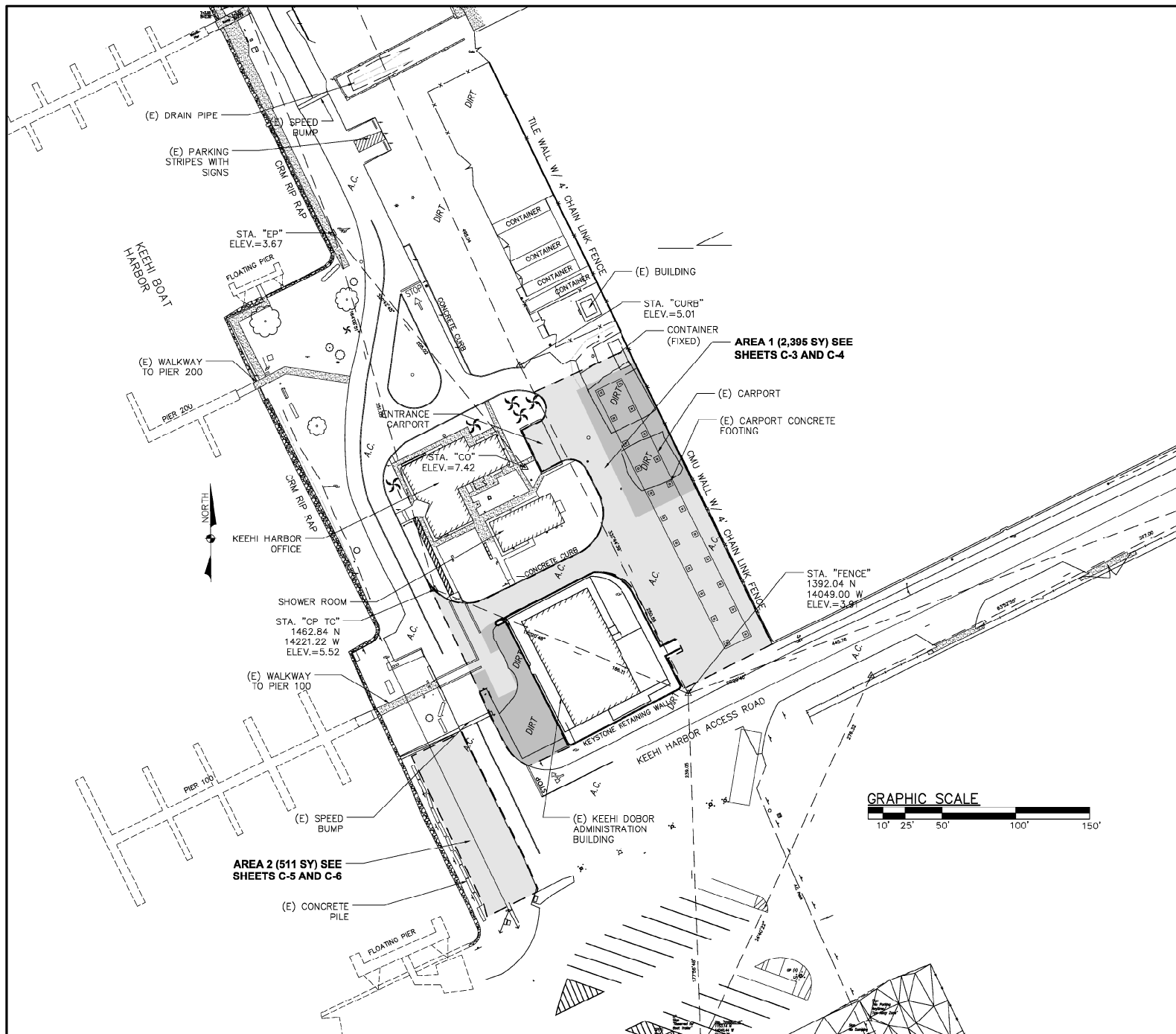
TRAFFIC NOTES:

1. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL ALONG ROADWAY AREAS DURING ALL PHASES OF CONSTRUCTION.
2. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS AND OTHER PROTECTIVE FACILITIES, WHICH SHALL CONFORM WITH THE "HAWAII ADMINISTRATION RULES GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO STREETS AND HIGHWAYS" AS ADOPTED BY THE DIRECTOR OF TRANSPORTATION, AND THE CURRENT U.S. FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VI--TRAFFIC CONTROLS FOR STREETS AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS."
3. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE. THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E. WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
4. THE CONTRACTOR SHALL PROVIDE FLAGMEN OR OFF-DUTY POLICE OFFICERS TO CONTROL THE FLOW OF TRAFFIC, AS REQUIRED.
5. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNS, POSTS AND PAVEMENT MARKINGS DISTURBED BY HIS ACTIVITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO EXISTING STREET LIGHTING AND DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR.

REVISION NO.	SYM.	DESCRIPTION	SHEET NO.	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS			
		CONSTRUCTION NOTES			
DESIGNED:		SUBMITTED:			
DRAWN:		DATE:			
CHECKED:		SCALE:			
APPROVED:				DRAWING NO.	
CHIEF ENGINEER		DATE		C-1	

# ABBREVIATIONS

E	EXISTING
A.C.	ASPHALT CONCRETE
STA.	STATION
CONC.	CONCRETE
CLR.	CLEARANCE
TYP.	TYPICAL
ELEV.	ELEVATION
W/O	WITHOUT
W/	WITH
EP	ELECTRICAL POST



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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS					
GENERAL SITE PLAN					
DESIGNED:		SUBMITTED:			
DRAWN:		DATE:			
CHECKED:		SCALE:			
APPROVED:		DATE:		DRAWING NO.	
CHIEF ENGINEER				C-2	

## New and Existing Pavement detail

- EX. A.C. TO BE REMOVED AND REPLACED  
EX. BASE COURSE TO REMAIN SEE DETAIL  
'D' ON SHEET C-8.
- NEW A.C. AND BASE COURSE IN DIRT  
AREAS. SEE DETAIL 'C' ON SHEET C-8.

### NOTES:

1. CONTRACTOR TO REMOVE ALL EX. FENCE POST FOOTINGS  
IN PAVING AREA AND FILL WITH BASE COURSE (APPR.  
20 EA., CONTRACTOR TO VERIFY QTY.).
2. GRADING AND FINISH ELEVATION OF NEW A.C. SHALL  
FOLLOW EX. GRADES.

(C) CHAINLINK  
FENCE AND GATE  
TO REMAIN

⊗ New AC Pavement Details

⊗ New and Existing Pavement detail

■ New AC (State Mix IV) with 3" Thick 768 SY

■ Compacted Base Course Min 6" Thick @ New AC 769 SY

■ Existing AC Pavement Removed and Replaced with 3" Thick 1,624 SY

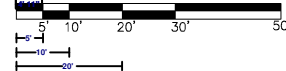
■ 6" Thick Base Course @ Existing 1,624 SY

HFCC FUEL TANK SITE

CMU WALL

(E) FENCE TO REMAIN

GRAPHIC SCALE



KEEHI HARBOR ACCESS ROAD

KEEHI HARBOR ACCESS ROAD

STOP

SAWCUT AND TACK  
COAT WHERE NEW A.C.  
ADJOINS EX. A.C.  
PROVIDE SMOOTH RIDING  
TRANSITION SEE DETAIL  
'D' ON SHEET C-8

PROVIDE 6" CURB BETWEEN EOP  
AND KEYSTONE WALL TYP. SEE  
DETAIL ON SHEET C-8

(E) GATE TO  
REMAIN

A.C.

SAWCUT AND TACK COAT WHERE NEW  
A.C. ADJOINS EXISTING A.C. PROVIDE  
SMOOTH RIDING TRANSITION SEE  
DETAIL 'C' ON SHEET C-8

(E) KEEHI  
HARBOR  
OFFICE

(E) SHOWER  
ROOMS

(E) KEEHI  
ADMINISTRATION  
BLDG

(E) KEYSTONE  
RETAINING WALL  
AROUND BLDG

(E) CARPORT

ADJUST EXISTING SEWER  
MANHOLE, CLEANOUT,  
AND MONITORING WELL  
COVERS TO MATCH NEW  
A.C. FINISH GRADE.

SAWCUT AND TACK COAT WHERE  
NEW A.C. ADJOINS EXISTING A.C.  
PROVIDE SMOOTH RIDING  
TRANSITION SEE DETAIL 'E' ON  
SHEET C-10

(E) CARPORT

(E) CARPORT

(E) CARPORT

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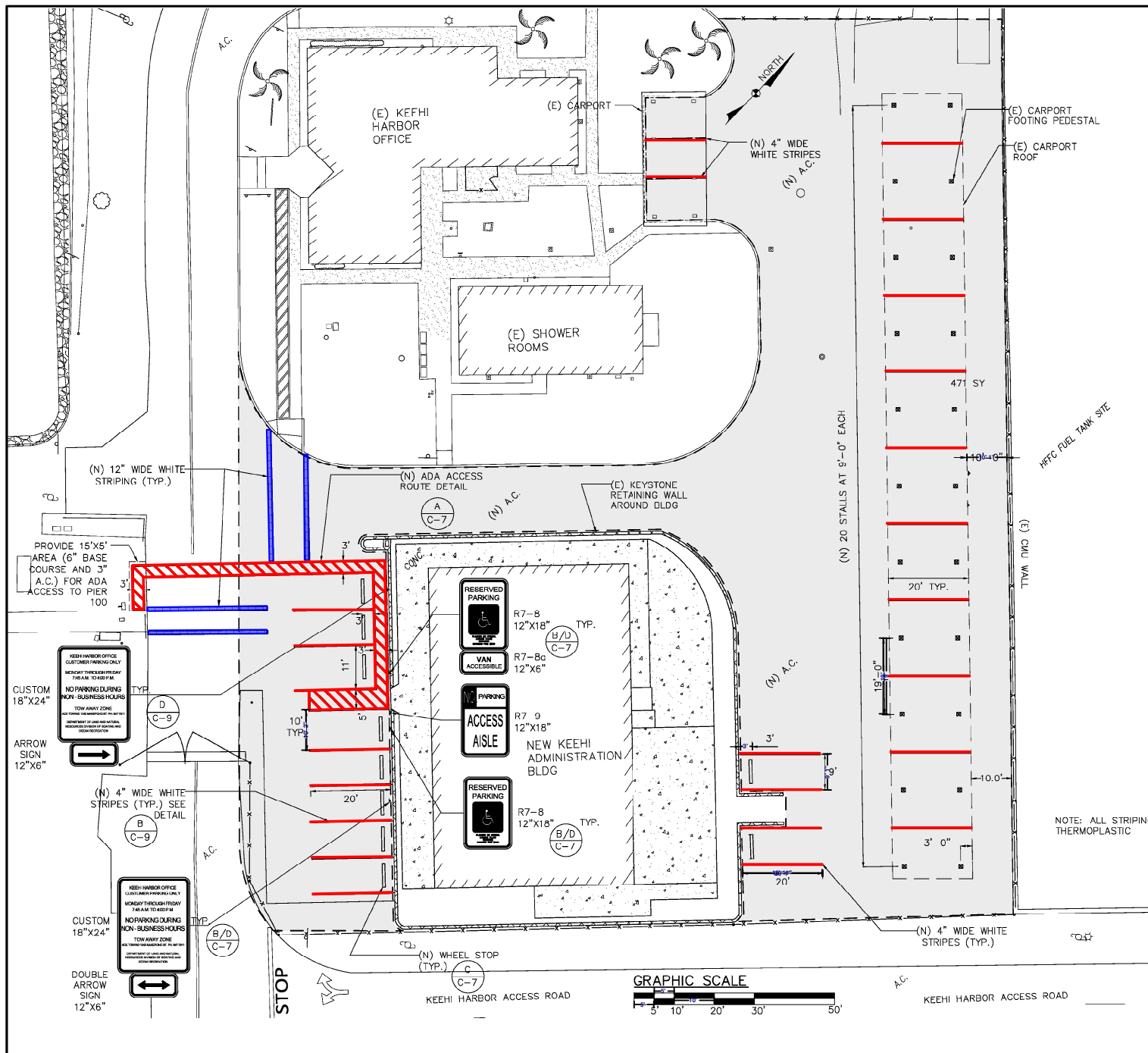
(E) CARPORT

(E) CARPORT

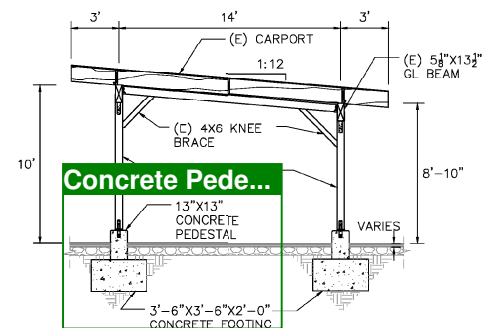
REVISION NO.	SYM.	DESCRIPTION	SHT./JOB	DATE	APPROVED
STATE OF HAWAII					
DEPARTMENT OF LAND AND NATURAL RESOURCES					
ENGINEERING DIVISION					
KEEHI SMALL BOAT HARBOR PARKING					
AND PAVEMENT IMPROVEMENTS					
A.C. DEMO AND PAVING (AREA 1)					
DESIGNED:			SUBMITTED:		
DRAWN:			DATE:		
CHECKED:			SCALE:		
APPROVED:					
CHIEF ENGINEER _____			DATE _____		
			DRAWING NO.		
			C-3		

JOB NO. OA15-13

SHEET NO. 4 OF 9 SHEETS



4\"/>

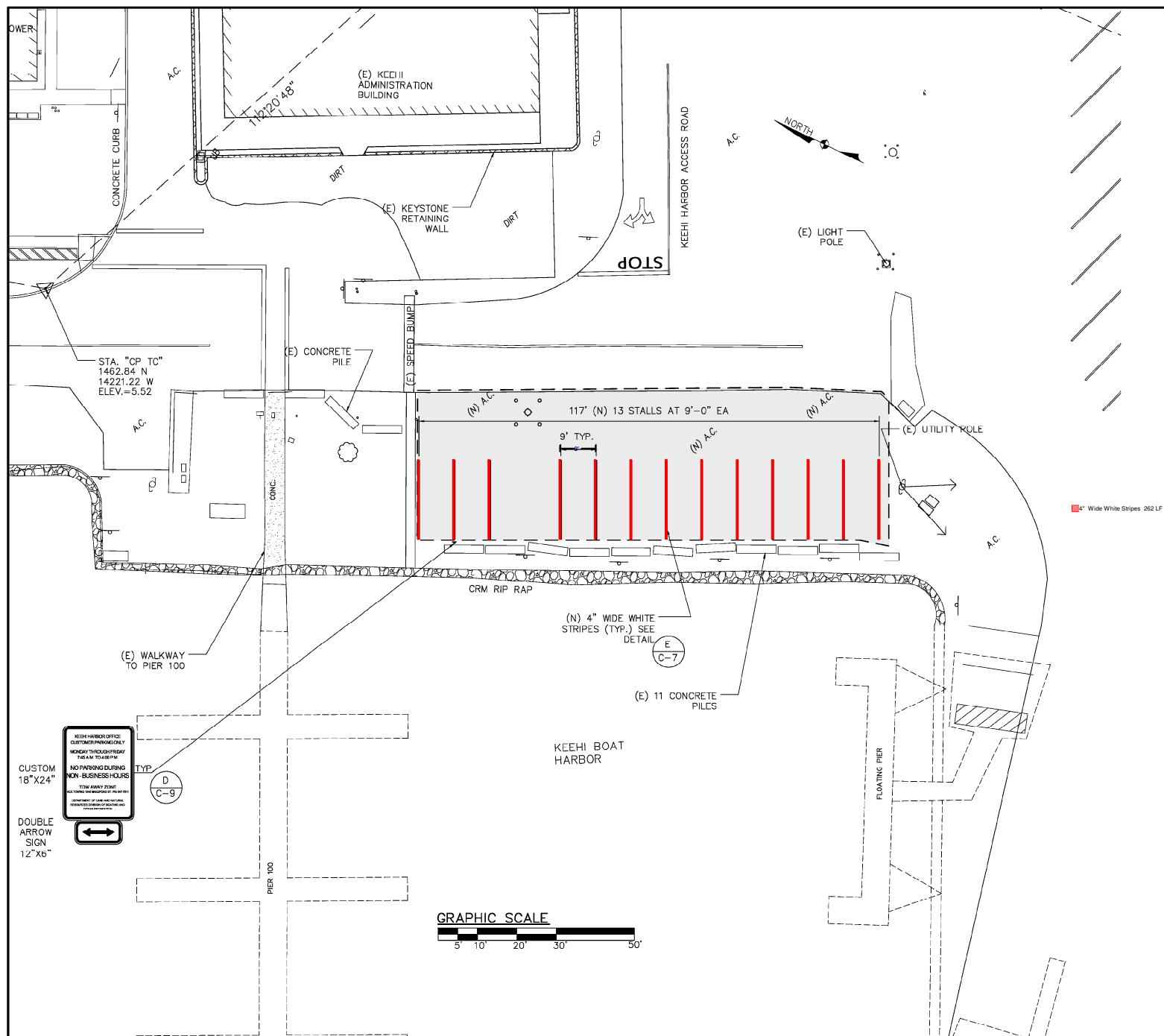


**A EXISTING CARPORT SECTION**  
SCALE: NOT TO SCALE

NOTE: ALL STRIPING SHALL BE THERMOPLASTIC

REVISION NO.	SYM	DESCRIPTION	SHT./JOB	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
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STRIPING & SIGNAGE PLAN (AREA 1)					
DESIGNED:			SUBMITTED:		
DRAWN:			DATE:		
CHECKED:			SCALE:		
APPROVED:					
CHIEF ENGINEER			DATE		DRAWING NO.
					C-4





NOTE: ALL STRIPPING SHALL BE THERMOPLASTIC.

REVISION NO.	SYM	DESCRIPTION	SHT. OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS STRIPING & SIGNAGE PLAN (AREA 2)			
		DESIGNED: _____ DRAWN: _____ CHECKED: _____ APPROVED: _____			
		SUBMITTED: _____		DATE: _____	
		SCALE: _____		DRAWING NO. _____	
		CHIEF ENGINEER _____		DATE _____	
				C-6	





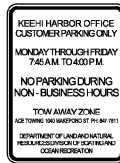
R7-9  
12"x18"



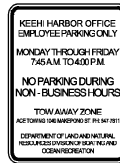
R7-8  
12"x18"



R7-8a  
12"x6"



CUSTOM  
18"x24"



CUSTOM  
18"x24"

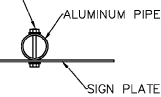


DOUBLE  
ARROW SIGN  
12"x6"



ARROW SIGN  
12"x6"

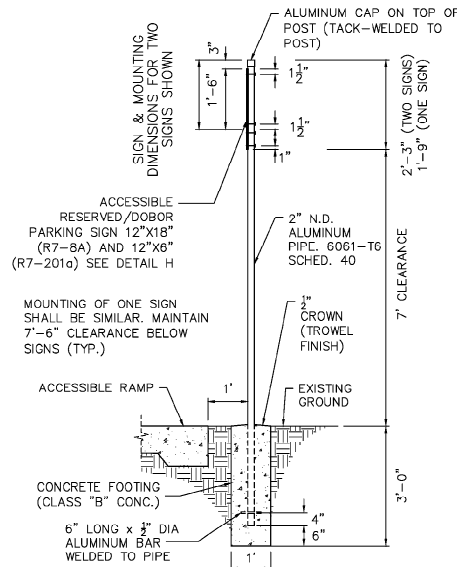
3/8" X 3 1/2" STAINLESS STEEL  
BOLT, NUT, LOCK WASHER AND  
7/8" X0.06" STAINLESS STEEL  
FLAT WASHER WITH NEOPRENE  
RUBBER GASKET



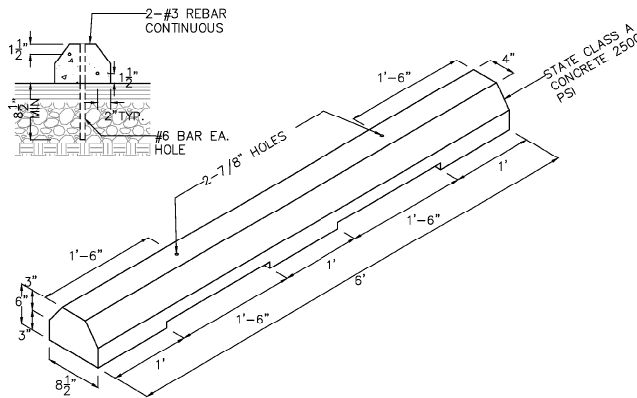
**D TYPICAL MOUNTING DETAIL**  
SCALE: NOT TO SCALE

**NOTE:**

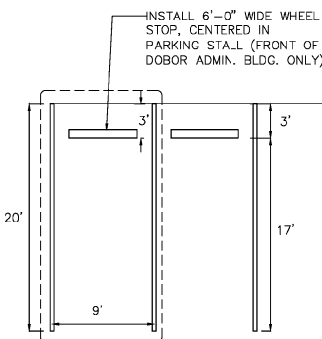
1. SIGNS SHALL BE ALUMINUM T6061 SHEET COVERED WITH ENGINEERING GRADE REFLECTIVE SHEETING.
2. SIGN LETTERING SHALL BE UPPER-CASE LETTERS OF THE TYPE APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.



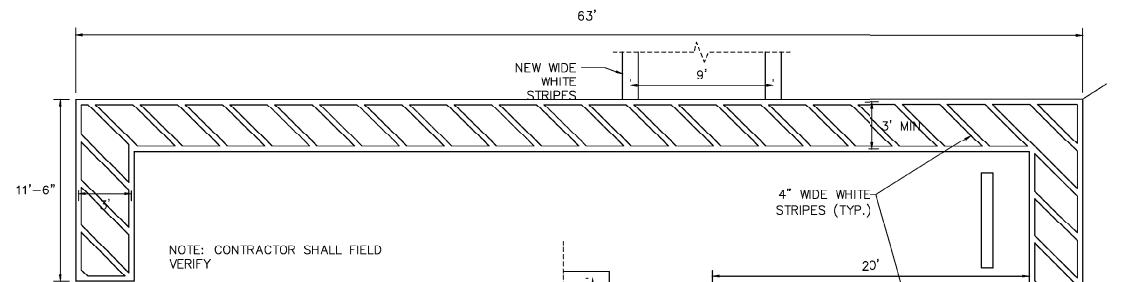
**B TYPICAL ADA ACCESS AISLE/DOBOR PARKING SIGN AND POST DETAIL**  
SCALE: NOT TO SCALE



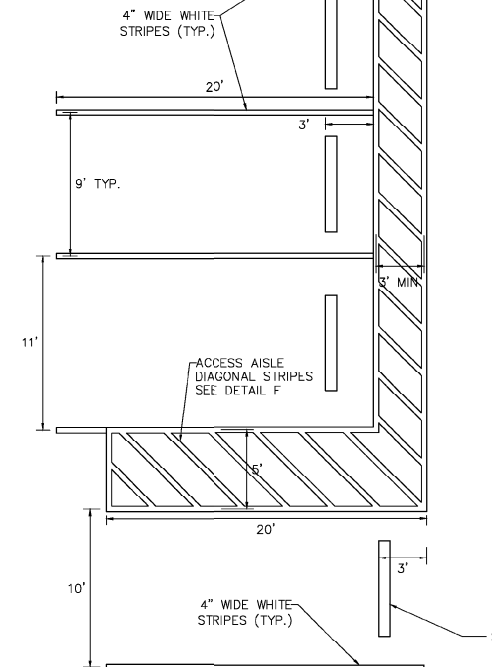
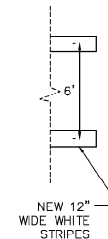
**C TYPICAL WHEEL STOP DETAIL**  
SCALE: NOT TO SCALE



**E TYPICAL PARKING STALL DETAIL**  
SCALE: NOT TO SCALE



**F TYPICAL ACCESS AISLE DIAGONAL DETAIL**  
SCALE: 1"=40'



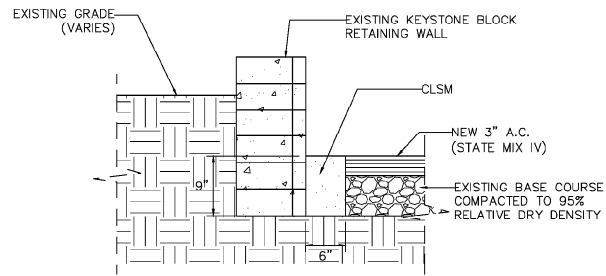
**A ADA ACCESS AISLE DETAIL**  
SCALE: NOT TO SCALE

**PAVEMENT STRIPE NOTES:**

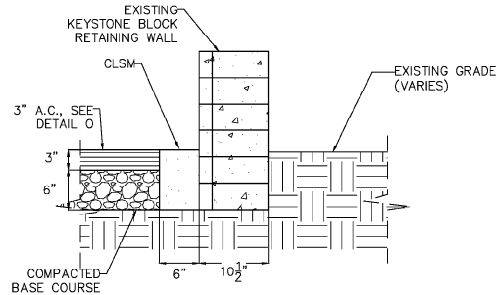
1. UNLESS OTHERWISE NOTED, DIMENSIONS SHOWN ARE TO CENTERLINE OF STRIPE.
2. STRIPING FOR PARKING STALLS AND ACCESS AISLE HATCHING SHALL BE THERMOPLASTIC EXTRUSION.

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KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS					
DETAIL 1					
DESIGNED:		SUBMITTED:			
DRAWN:		DATE:			
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CHIEF ENGINEER		DATE		C-7	



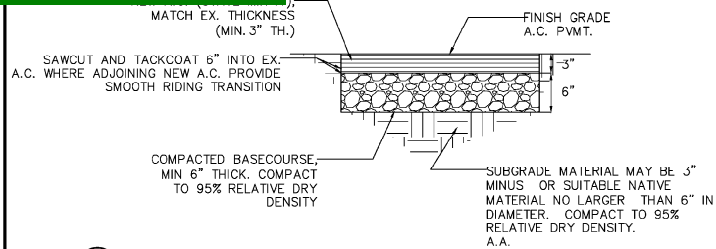


**A**  
**C-8** TYPICAL KEYSTONE WALL/A.C. TRANSITION DETAIL (EX A.C.)  
SCALE: NOT TO SCALE

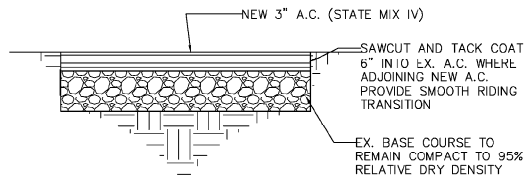


**B**  
**C-8** TYPICAL KEYSTONE WALL/A.C. TRANSITION DETAIL (NO EX. A.C.)  
SCALE: NOT TO SCALE

### New AC Pavement Details



**C**  
**C-8** TYPICAL A.C. PAVEMENT SECTION (NO EX. A.C.)  
SCALE: NOT TO SCALE



**D**  
**C-8** TYPICAL A.C. PAVEMENT SECTION (EX. A.C.)  
SCALE: NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./C/P	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEEHI SMALL BOAT HARBOR PARKING AND PAVEMENT IMPROVEMENTS					
DETAIL 2					
DESIGNED:			SUBMITTED:		
DRAWN:			DATE:		
CHECKED:			SCALE:		
APPROVED:					DRAWING NO.
CHIEF ENGINEER					C-8