

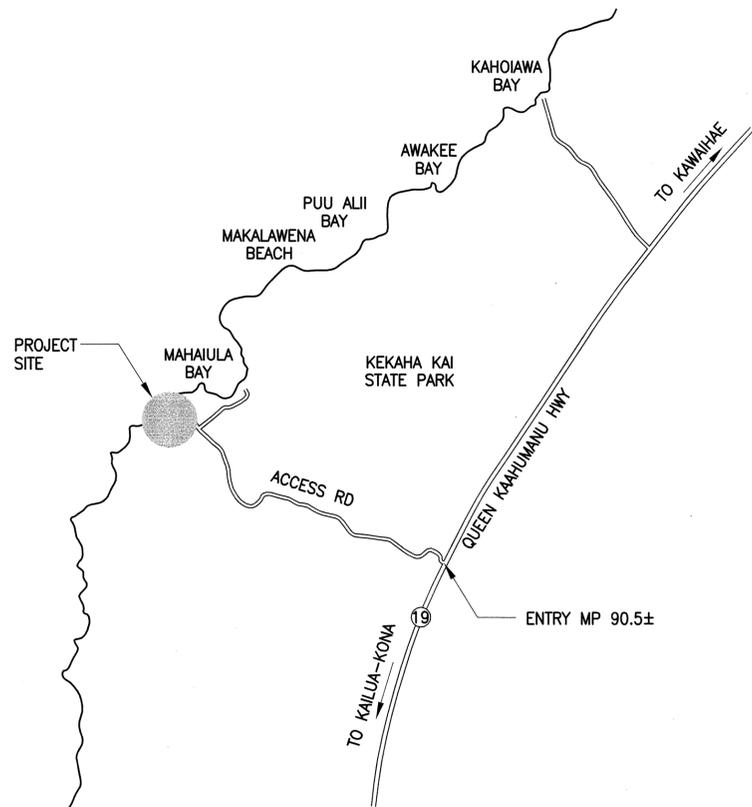
STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 ENGINEERING DIVISION
 FOR
 DIVISION OF STATE PARKS

JOB NO. H87C836D

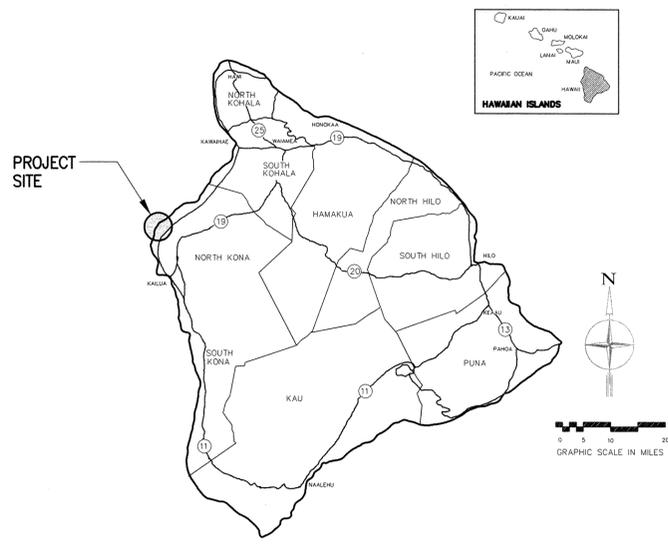
KEKAHA KAI STATE PARK
 MAHAIULA IMPROVEMENTS

NORTH KONA, HAWAII

TMK: 3rd. DIV. 7-2-005: 003



LOCATION PLAN
 NOT TO SCALE



ISLAND OF HAWAII
 NOT TO SCALE

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APPROVED:

C. Cottrell 4.25.16
 CURT A. COTTRELL
 ADMINISTRATOR
 DIVISION OF STATE PARKS
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 DATE

C. Chang 4/25/16
 CARY S. CHANG, P.E.
 CHIEF ENGINEER,
 ENGINEERING DIVISION
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 DATE

DIRECTOR, DEPARTMENT OF PUBLIC WORKS
 COUNTY OF HAWAII
 DATE

D:\OPRO\2013\213-003-WALLOA-KEKAHA-KAI STATE PARKS MAHAIULA CAD\DWG\SHEETS\213003E-1.DWG, SCALE=1:1

JOB NO. H87C836D, KEKAHA KAI STATE PARK, MAHAIULA IMPROVEMENTS

CONSTRUCTION NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF HAWAII DEPARTMENT OF PUBLIC WORKS "STANDARD DETAILS" DATED SEPT. 1984, "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" DATED SEPT. 1986, AS AMENDED, AND ALL OTHER PUBLICATIONS REFERENCED IN THE TECHNICAL SPECIFICATIONS.
- THE CONTRACTOR SHALL TONE THE AREAS TO BE EXCAVATED TO ASCERTAIN THE LOCATION OF UNDOCUMENTED UTILITIES AND STRUCTURES AND VERIFY THE LOCATIONS OF THOSE IMPROVEMENTS SHOWN. THE COST OF TONING SHALL BE MADE A PART OF THE COST TO THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS TO ENSURE PROPER ACCEPTANCE OF THE WORK. IF AT ANY TIME DURING CONSTRUCTION A DISCREPANCY OR CONFLICT IS DISCOVERED, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE STATE IMMEDIATELY. THE CONTRACTOR SHALL NOT PROCEED WITH THE CONSTRUCTION UNTIL THE DISCREPANCY OR CONFLICT HAS BEEN RESOLVED, AS DETERMINED BY THE STATE.
- ANY UTILITIES OR STRUCTURES THAT ARE DAMAGED BY THE CONTRACTOR DURING PROGRESS OF THE WORK, WHETHER SHOWN OR NOT IN THE CONTRACT DOCUMENTS, SHALL BE REPAIRED TO ITS ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE OF ANY DAMAGES.
- WHEN THE PLANS CALL FOR CONNECTION OF NEW UTILITIES TO EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINE AT THE PROPOSED CONNECTION POINT TO VERIFY LOCATION AND INVERT ELEVATION PRIOR TO EXCAVATION FOR THE NEW UTILITIES.
- ALL WORK NOT CALLED FOR ON THE PLANS BUT REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT ITEMS.
- PURSUANT TO CHAPTER 6E, HRS, 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, THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES-HISTORIC PRESERVATION DIVISION (692-8015). IN ADDITION, THE CONTRACTOR SHALL INFORM THE ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS (961-8327) AND THE CONTRACTING OFFICER.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL ENSURE THAT ALL ROADWAYS REMAIN OPEN AND THAT ACCESS IS PROVIDED TO ALL BUILDINGS ADJACENT TO THE WORK AREA UNLESS OTHERWISE SPECIFIED.
- AT THE END OF EACH DAY'S WORK THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND OTHER OBSTRUCTIONS TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY ACCESSIBLE ROUTES AROUND CONSTRUCTION IN ACCORDANCE WITH ADAAG 4.1.1(4). CONTRACTOR SHALL COORDINATE REPAIR OF ANY DAMAGED ACCESSIBLE ROUTES WITH THE STATE AND IN ACCORDANCE WITH ADAAG 4.3.1. THE CONTRACTOR SHALL SUBMIT AN ACCESSIBLE ROUTE PLAN TO THE STATE.
- THE CONTRACTOR SHALL PROVIDE ONE (1) ADA ACCESSIBLE AND TWO (2) STANDARD PORTABLE TOILETS FOR THE DURATION OF THE RESTROOM CLOSURE FOR THE RENOVATION. TOILET SHALL BE SERVICED A MINIMUM OF THREE (3) TIMES (MONDAY, THURSDAY, AND SATURDAY) A WEEK AND SHALL BE MAINTAINED IN ACCORDANCE WITH THE PUBLIC HEALTH REGULATIONS BY THE DEPARTMENT OF HEALTH. LOCATION OF THE PORTABLE TOILETS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN A CLEAR ACCESS WAY TO AND FROM THE EXISTING BATHROOM.
- BATHROOM SHALL NOT BE CLOSED UNTIL PORTABLE TOILETS ARE INSTALLED ONSITE.
- THE BATHROOM SHALL NOT BE CLOSED FOR MORE THAN THIRTY (30) CONSECUTIVE CALENDAR DAYS.
- THE BATHROOM SHALL NOT BE CLOSED DURING THE MONTHS OF JULY, AUGUST, AND DECEMBER.

SURVEY NOTES

- TOPOGRAPHIC SURVEY PREPARED BY WES THOMAS ASSOCIATES, DATED MAY 30, 2014.
- AZIMUTHS AND COORDINATES ARE REFERRED TO GOVERNMENT SURVEY TRIANGULATION STATION "AKAHIPUU" Δ.
- THE FEATURES, SHOWN HEREON, WERE LOCATED BY AN ACTUAL SURVEY ON THE GROUND DONE BETWEEN MAY 21, 2013 AND MAY 22, 2014.
- AS PER THE SCOPE OF WORK, ONLY TREES WITH TRUNK DIAMETERS OF 0.5 FT AND GREATER WERE LOCATED.
- SHORELINE SURVEY PREPARED BY WES THOMAS ASSOCIATES, DATED APRIL 6, 2015, AND CERTIFIED BY DLNR LAND DIVISION ON JUNE 18, 2015.

IF THIS SHEET IS LESS THAN 34"x22", IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

GRADING NOTES

- ALL GRADING WORK SHALL CONFORM TO CHAPTER 10 OF THE HAWAII COUNTY CODE. SHOULD A GRADING PERMIT BE REQUIRED, NO WORK SHALL COMMENCE UNTIL THE DEPARTMENT OF PUBLIC WORKS (DPW) APPROVES A GRADING PERMIT.
- THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS RESULTING FROM HIS WORK. THE COSTS INCURRED FOR ANY NECESSARY REMEDIAL ACTION BY THE DPW SHALL BE PAYABLE BY THE CONTRACTOR.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCES. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL RULES OF THE STATE DEPARTMENT OF HEALTH, HAR 11-60.1, FUGITIVE DUST.
- ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 55, WATER POLLUTION CONTROL AND CHAPTER 54, WATER QUALITY STANDARDS, AND TO THE EROSION AND SEDIMENTATION CONTROL STANDARDS AND GUIDELINES OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF HAWAII.
- THE CONTRACTOR SHALL SOD OR PLANT ALL SLOPES AND EXPOSED AREAS IMMEDIATELY AFTER THE GRADING WORK HAS BEEN COMPLETED, AS CALLED FOR IN THE PLANS.
- FILLS ON SLOPES STEEPER THAN 5:1 SHALL BE KEYED.
- THE CONTRACTOR SHALL INFORM THE DPW OF THE LOCATION OF THE DISPOSAL AND/OR BORROW SITE(S) REQUIRED FOR THIS PROJECT WHEN AN APPLICATION FOR A GRADING PERMIT IS MADE. THE DISPOSAL AND/OR BORROW SITE(S) MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
- NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS ANYTIME WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS. GRADING WORK ON NORMAL WORKING DAYS SHALL BE BETWEEN THE HOURS OF 7:00 AM TO 3:30 PM.
- FILLS SHALL BE COMPACTED TO 90 PERCENT (90%) OF MAXIMUM DENSITY PER ASTM D-1557 TEST.
- THE CONTRACTOR SHALL REMOVE ALL VEGETATION BEFORE PLACING FILLS ON NATURAL GROUND SURFACE.

EROSION AND SEDIMENT CONTROL NOTES

CONSTRUCTION MANAGEMENT TECHNIQUES

- CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM NECESSARY FOR GRADING AND EQUIPMENT OPERATION. LIMITS OF THE CLEARING AND GRUBBING SHALL BE STAKED PRIOR TO THE START OF CONSTRUCTION.
- CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF THE CLEARED SURFACE AREA.
- CONSTRUCTION SHALL BE STAGED OR PHASED FOR LARGE PROJECTS. AREAS OF ONE PHASE SHALL BE STABILIZED BEFORE ANOTHER PHASE IS INITIATED. STABILIZATION SHALL BE ACCOMPANIED BY TEMPORARILY OR PERMANENTLY PROTECTING THE DISTURBED SOIL SURFACE FROM RAINFALL IMPACTS AND RUNOFF.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. PERMANENT RETENTION AREAS SHOULD BE CONSTRUCTED PRIOR TO ANY OTHER CLEARING, GRUBBING, OR GRADING OPERATION. SILT FENCES SHALL BE INSTALLED ALONG THE ENTIRE DOWNSLOPE SIDE OF THE ACTIVE CONSTRUCTION ZONE IN AREAS WHERE ON-SITE RUNOFF FLOWS OFF THE PROJECT SITE.
- ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, FOR EXAMPLE, WEEKLY IN DRY PERIODS AND WITHIN TWENTY-FOUR HOURS AFTER ANY RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL, DAILY CHECKING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
- THE PERMITTEE SHALL MAINTAIN RECORDS OF THE DURATION AND ESTIMATED VOLUME OF STORM WATER DISCHARGE(S).
- A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
- NO HYDRO-TESTING EFFLUENT SHALL BE DISPOSED OF OFF-SITE.

VEGETATION CONTROLS

- PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN TWENTY CALENDAR DAYS PRIOR TO LAND DISTURBANCE.
- TEMPORARY SOIL STABILIZATION WITH APPROPRIATE VEGETATION SHALL BE APPLIED ON AREAS THAT WILL REMAIN UNFINISHED FOR MORE THAN THIRTY CALENDAR DAYS.
- PERMANENT SOIL STABILIZATION WITH PERENNIAL VEGETATION OR PAVEMENT SHALL BE APPLIED AS SOON AS PRACTICAL AFTER FINAL GRADING. IRRIGATION AND MAINTENANCE OF THE PERENNIAL VEGETATION SHALL BE PROVIDED FOR NINETY CALENDAR DAYS OR UNTIL THE VEGETATION TAKES ROOT, WHICHEVER IS SHORTER.

STRUCTURAL CONTROLS

- STORM WATER FLOWING TOWARD THE CONSTRUCTION AREA SHALL BE DIVERTED BY USING APPROPRIATE CONTROL MEASURES, AS PRACTICAL.
- EROSION CONTROL MEASURES SHALL BE DESIGNED ACCORDING TO THE SIZE OF DISTURBED OR DRAINAGE AREAS TO DETAIN RUNOFF AND TRAP SEDIMENT AND APPROVED BY THE DESIGNER OF RECORD.
- WATER MUST BE DISCHARGED IN A MANNER THAT THE DISCHARGE SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE BASIC WATER QUALITY CRITERIA AS SPECIFIED IN SECTION 11-54-04 OF THE HAR.

HAZARDOUS MATERIAL SURVEY NOTES

- ALL CONSTRUCTION WORK SHALL COMPLY WITH THE "HAZARDOUS MATERIAL SURVEY REPORT FOR KEKAHA KAI STATE PARK IMPROVEMENT PROJECT", BY MYOUNGHEE NOH & ASSOCIATES, DATED JUNE 5, 2013. BASED ON THIS REPORT LEAD-CONTAINING PAINTS (LCP) HAVE BEEN ASSUMED TO BE PRESENT AT THE EXISTING MAHAUILA MEN'S AND WOMEN'S RESTROOMS.
- LEAD-CONTAINING PAINTS

EMPLOYEES INVOLVED IN RENOVATION OR DEMOLITION ACTIVITIES THAT DISTURB LCP AND LBP MUST CONDUCT WORK IN ACCORDANCE WITH 29 CFR 1926.62, THE OSHA LEAD CONSTRUCTION STANDARD. WORK PRACTICES THAT WOULD TRIGGER THESE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO, SANDING, BLASTING, WELDING, CUTTING, SCRAPING, OR DEMOLITION. FOR EACH PROJECT, THE CONTRACTOR SHALL DETERMINE THE APPROPRIATE SAFETY MEASURES BASED ON THE AREA TO BE DISTURBED, THE LEAD CONCENTRATION, AND THE PAINT CONDITION. APPLICABLE WORK PRACTICE GUIDELINES INVOLVING THE DISTURBANCE OF LCP OR LBP ARE SUMMARIZED, BUT ARE NOT LIMITED TO:

o. EMPLOYEES MUST UTILIZE APPROPRIATE ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (PPE). THE PPE INCLUDES DISPOSABLE COVERALLS, GLOVES, EYE PROTECTION, STEEL-TOED BOOTS, A HARD HAT, AND A NIOSH APPROVED APPROPRIATE RESPIRATOR.

b. EMPLOYEES MUST UTILIZE RESPIRATORY PROTECTION UNTIL THE INITIAL AIR MONITORING ASSESSMENT DOCUMENTS SAFE WORKING LEVELS OF AIRBORNE LEAD (29 CFR 1926.62[d][1] AND [2][i][A]).

c. AN EXPOSURE ASSESSMENT SHOULD BE CARRIED OUT WHEN EMPLOYEES ARE DISTURBING LCP OR LBP TO ENSURE THAT THEY ARE NOT EXPOSED TO AIRBORNE LEAD CONCENTRATIONS GREATER THAN THE PERMISSIBLE EXPOSURE LIMIT (PEL) OF 50 MICROGRAMS PER CUBIC METER (µg/m³) AVERAGED OVER AN 8-HOUR PERIOD. ADDITIONAL PERIODIC EXPOSURE MONITORING MAY BE REQUIRED IF THE LEAD OSHA ACTION LEVEL OF 30 µg/m³ AVERAGED OVER AN 8-HOUR PERIOD IS EXCEEDED.

d. EMPLOYEES MUST IMPLEMENT STRINGENT DUST CONTROL PROCEDURES TO MINIMIZE LEAD CONCENTRATIONS IN ANY AIRBORNE DUST.

e. EMPLOYEES MUST CLEAN THE WORK AREA THOROUGHLY USING WET METHODS AND A HIGH EFFICIENCY PARTICULATE AIR (HEPA) VACUUM. DRY SWEEPING OR AIR BLOWING OF LEAD DEBRIS AND DUST MUST BE AVOIDED.

f. LEAD-CONTAINING DEBRIS SHOULD BE SEGREGATED FROM OTHER WASTES, COLLECTED, AND CONTAINERIZED. WASTES SHOULD BE FULLY CHARACTERIZED, INCLUDING A DETERMINATION OF THE WASTE AS HAZARDOUS OR NON-HAZARDOUS. LEAD-CONTAINING WASTES SHOULD BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE REQUIREMENTS.

g. VISUALLY INSPECT THE WORK AREA TO ENSURE ALL LEAD-CONTAINING DEBRIS AND DUST HAS BEEN PROPERLY REMOVED.

h. CONDUCT CLEARANCE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.

ENVIRONMENTAL PROTECTION NOTES

- THE CONTRACTOR SHALL CONTACT TRACY TAM-SING OF THE STATE OF HAWAII, DEPARTMENT OF LAND AND NATURAL RESOURCES, STATE PARKS ARCHAEOLOGY BRANCH PRIOR TO CONSTRUCTION, AND SHALL FOLLOW ALL REQUIREMENTS TO PROTECT ANY ARCHAEOLOGICAL SITES. THE CONTRACTOR SHALL NOT REMOVE, MODIFY, OR DAMAGE ANY ARCHAEOLOGICAL SITE IDENTIFIED TO BE PROTECTED DURING THE COURSE OF THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ANY NEGATIVE IMPACTS TO SUCH SITES CAUSED BY THE CONSTRUCTION WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING HIS/HER OWN OPERATIONS SO AS NOT TO IMPACT ENVIRONMENTALLY SENSITIVE WATER BODIES (THE OCEAN AND ANY PONDS) IN THE VICINITY OF THE PROPOSED IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KNOW THE LOCATIONS OF THE CERTIFIED SHORELINE, SHORELINE SET BACK, TIDAL FLUCTUATION ZONES, AND TO ENSURE THAT ALL OPERATIONS WITHIN THESE AREAS COMPLY WITH APPLICABLE REGULATIONS AND DO NOT ADVERSELY IMPACT THESE WATER BODIES. THE CONTRACTOR SHALL ENSURE THAT NO DEBRIS OR SILT RUNOFF IS DEPOSITED INTO THE OCEAN OR ANY EXISTING POND ON THE PROJECT SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REMEDIATION MEASURES NECESSARY TO MITIGATE WATER POLLUTION CAUSED BY THE CONTRACTOR'S OPERATIONS.
- SPECIAL MANAGEMENT AREA (SMA) USE PERMIT: CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE SMA PERMIT.

ABBREVIATIONS

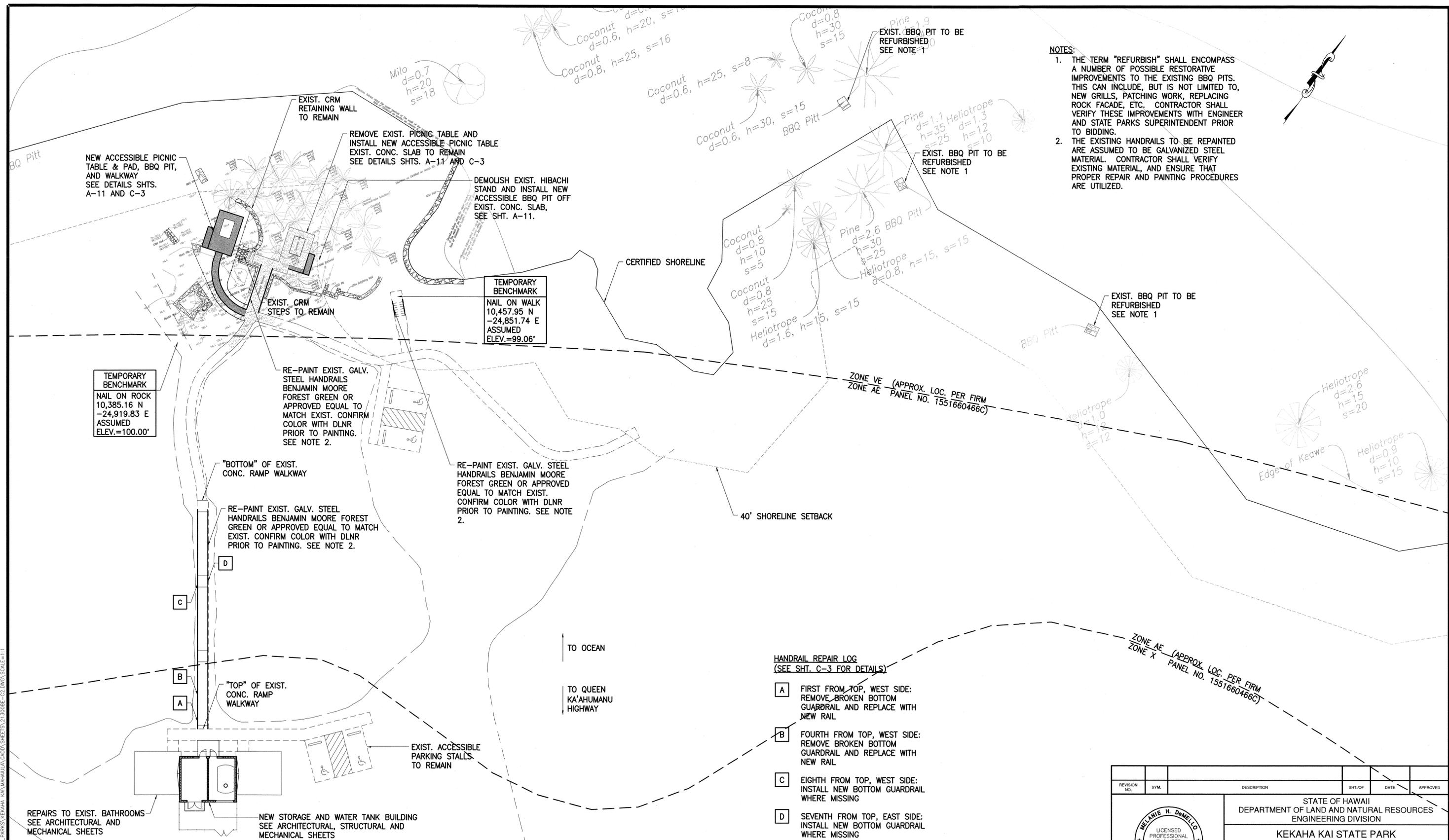
ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
APPROX.	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BBQ	BARBECUE
CONC.	CONCRETE
DLNR	DEPARTMENT OF LAND AND NATURAL RESOURCES
DPW	DEPARTMENT OF PUBLIC WORKS
EXIST.	EXISTING
GALV.	GALVANIZED
LBP	LEAD-BASED PAINTS
LCP	LEAD-CONTAINING PAINTS
NIOSH	NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
O.D.	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
SHTS.	SHEETS
S.S.	STAINLESS STEEL
TMK	TAX MAP KEY
TYP.	TYPICAL
µg/m³	MICROGRAMS PER CUBIC METER OF AIR

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEKAHA KAI STATE PARK MAHAUILA IMPROVEMENTS					
CIVIL NOTES					
DESIGNED: MD			SUBMITTED: <i>[Signature]</i>		
DRAWN: LS			DATE: APRIL 2016		
CHECKED: BKM			SCALE: AS NOTED		
APPROVED: <i>Melanie Demello</i>			DATE: APR 25 2016		
CHIEF ENGINEER			DRAWING NO. C-1		

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
Expiration Date of License 4/30/18

01 APRIL 2016 2:13:00B MAILBOX: KEKAHA KAI STATE PARKS ARCHAEOL. SHEETS 31 JOB#08-C1 DWG(S) SCALE=1:1

CA\OPRO\2013\213-008_MALOIA_KEKAHA\KAI MAHAUULA\CAD\DWG\SHEETS\213008E-02.DWG, SCALE=1:1



- NOTES:**
1. THE TERM "REFURBISH" SHALL ENCOMPASS A NUMBER OF POSSIBLE RESTORATIVE IMPROVEMENTS TO THE EXISTING BBQ PITS. THIS CAN INCLUDE, BUT IS NOT LIMITED TO, NEW GRILLS, PATCHING WORK, REPLACING ROCK FACADE, ETC. CONTRACTOR SHALL VERIFY THESE IMPROVEMENTS WITH ENGINEER AND STATE PARKS SUPERINTENDENT PRIOR TO BIDDING.
 2. THE EXISTING HANDRAILS TO BE REPAINTED ARE ASSUMED TO BE GALVANIZED STEEL MATERIAL. CONTRACTOR SHALL VERIFY EXISTING MATERIAL, AND ENSURE THAT PROPER REPAIR AND PAINTING PROCEDURES ARE UTILIZED.

TEMPORARY BENCHMARK
 NAIL ON WALK
 10,457.95 N
 -24,851.74 E
 ASSUMED
 ELEV.=99.06'

TEMPORARY BENCHMARK
 NAIL ON ROCK
 10,385.16 N
 -24,919.83 E
 ASSUMED
 ELEV.=100.00'

HANDRAIL REPAIR LOG
(SEE SHT. C-3 FOR DETAILS)

- A FIRST FROM TOP, WEST SIDE: REMOVE BROKEN BOTTOM GUARDRAIL AND REPLACE WITH NEW RAIL
- B FOURTH FROM TOP, WEST SIDE: REMOVE BROKEN BOTTOM GUARDRAIL AND REPLACE WITH NEW RAIL
- C EIGHTH FROM TOP, WEST SIDE: INSTALL NEW BOTTOM GUARDRAIL WHERE MISSING
- D SEVENTH FROM TOP, EAST SIDE: INSTALL NEW BOTTOM GUARDRAIL WHERE MISSING



GENERAL ARRANGEMENT PLAN
APPROX. SCALE: 1"=20'

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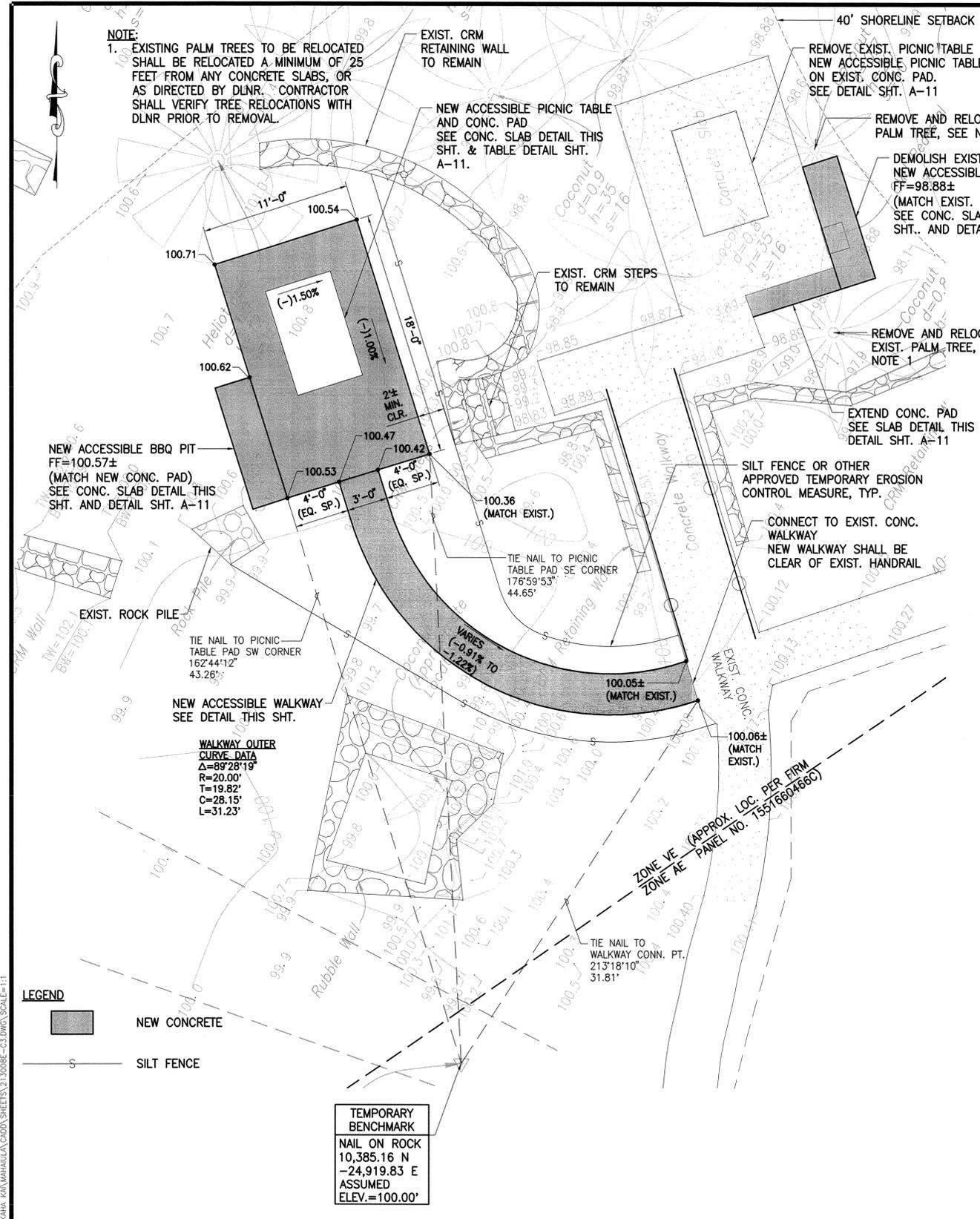
THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Melanie DeMello
Expiration Date of License 4/30/18
 CHIEF ENGINEER

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

**KEKAHA KAI STATE PARK
MAHAUULA IMPROVEMENTS**

GENERAL ARRANGEMENT
PLAN

DESIGNED: MD	SUBMITTED: <i>MD</i>
DRAWN: LS	DATE: APRIL 2016
CHECKED: BKM	SCALE: AS NOTED
APPROVED: <i>Cy G</i>	DRAWING NO. C-2
CHIEF ENGINEER	DATE: APR 25 2016



LEGEND

NEW CONCRETE

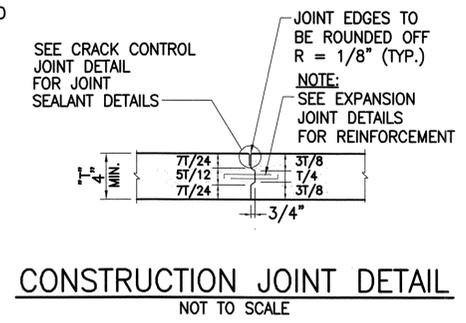
SILT FENCE

TEMPORARY BENCHMARK
 NAIL ON ROCK
 10,385.16 N
 -24,919.83 E
 ASSUMED
 ELEV.=100.00'

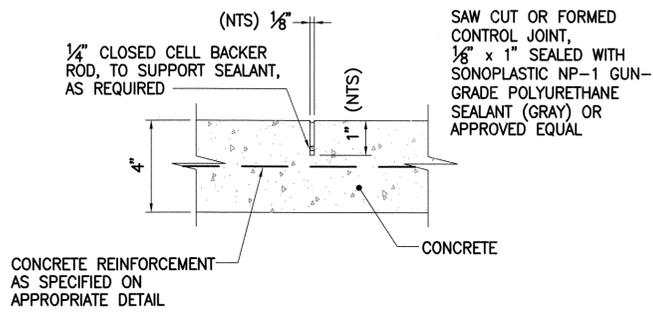
NEW PICNIC TABLE & BBQ PIT PLAN
 SCALE: 1"=5'

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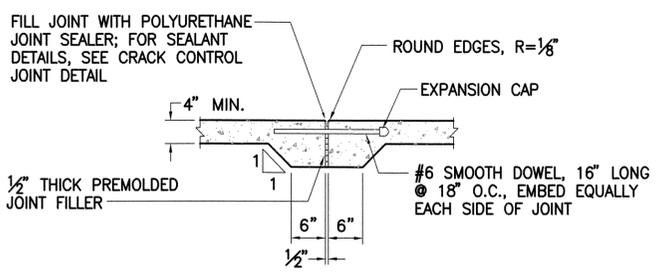
- JOINT NOTES:**
1. MAXIMUM SPACING BETWEEN ANY TWO CONSECUTIVE CONTROL JOINTS SHALL BE 5 FEET. CONTROL JOINTS SHALL BE PLACED IN THE LONGITUDINAL AND TRANSVERSE DIRECTIONS ON SIDEWALKS, AND AS SHOWN ON THE PLANS.
 2. CONTROL JOINTS SHALL BE SAW CUT WITHIN 24 HOURS PRIOR TO PLACEMENT OF JOINT SEALANTS.
 3. ALL SAW CUT JOINTS SHALL BE CLEAN AND FREE OF DIRT, DUST, AND WATER PRIOR TO PLACEMENTS OF JOINT SEALANT.
 4. ALL CONTROL JOINTS SHALL BE STRAIGHT AND PERPENDICULAR TO CENTERLINE OF WALKWAY.
 5. ALL EXTERIOR EXPOSED CONCRETE SHALL BE BROOM FINISHED, UNLESS OTHERWISE NOTED.
 6. EXPANSION JOINTS SHALL BE PLACED AT 20 FEET MAX. SPACING, AT THE END OF CURB RETURNS, AND AS SHOWN ON THE PLANS.
 7. CONSTRUCTION JOINTS SHALL BE PLACED AT ALL LOCATIONS WHERE NEW CONCRETE MATCHES EXISTING.



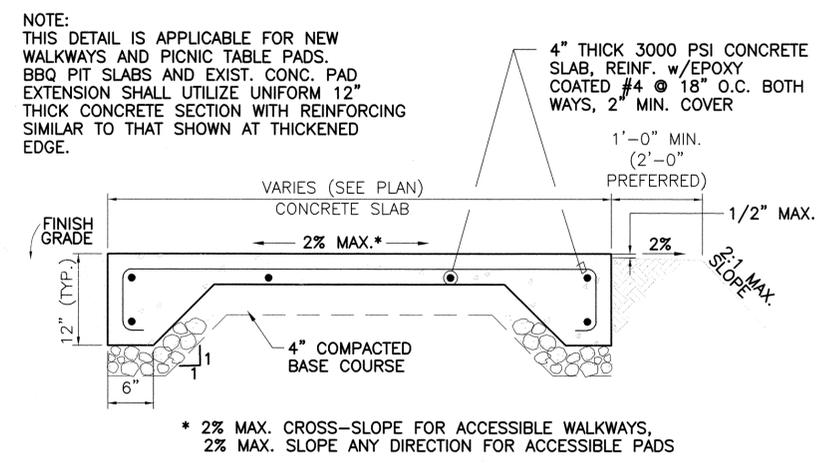
CONSTRUCTION JOINT DETAIL
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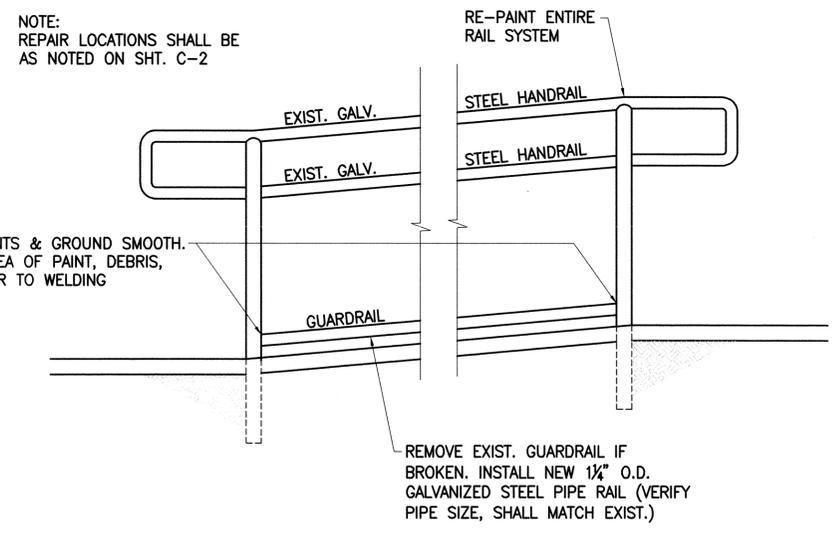
CRACK CONTROL JOINT DETAIL
 NOT TO SCALE



EXPANSION JOINT DETAIL
 NOT TO SCALE

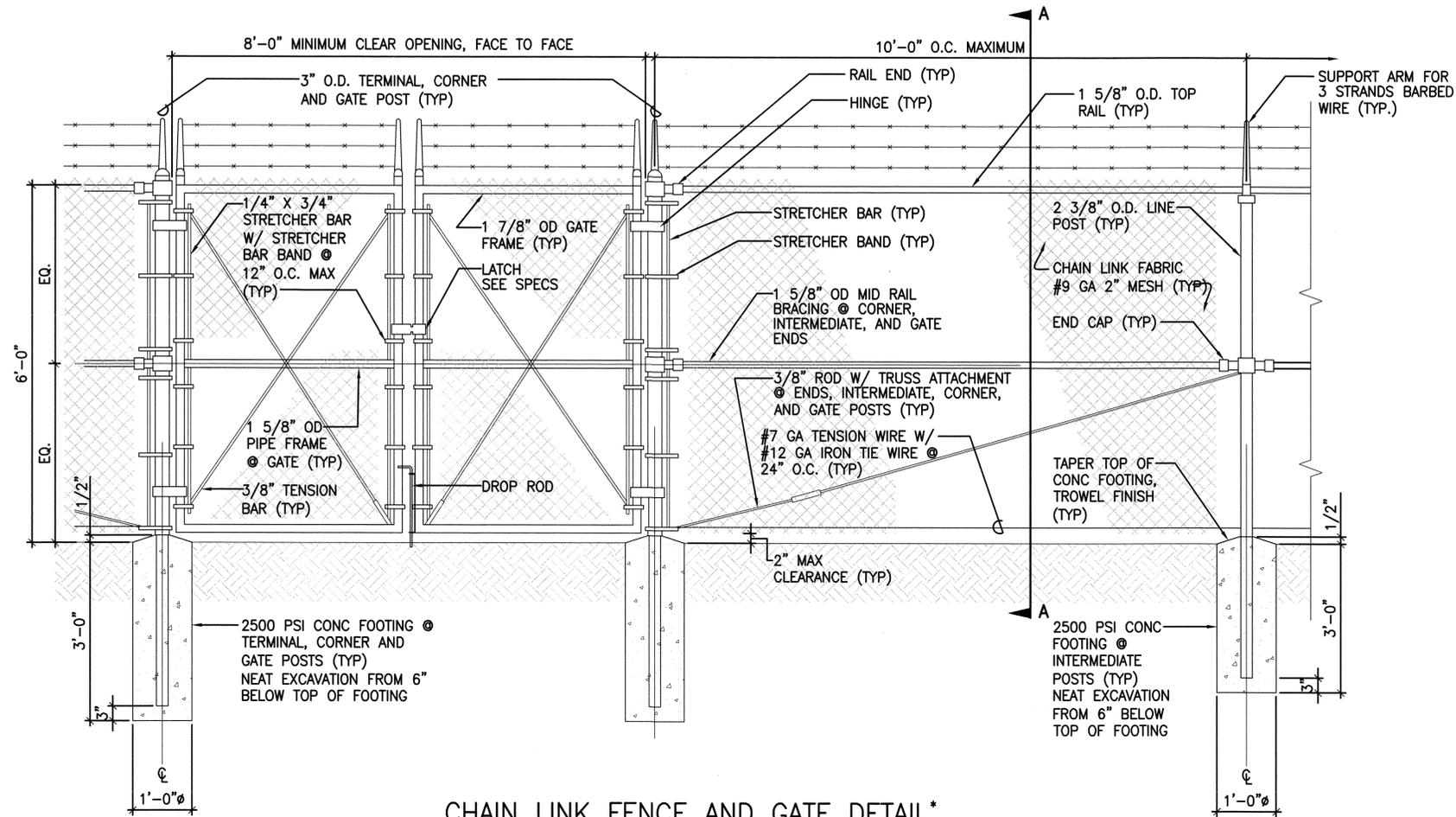


CONCRETE SLAB DETAIL
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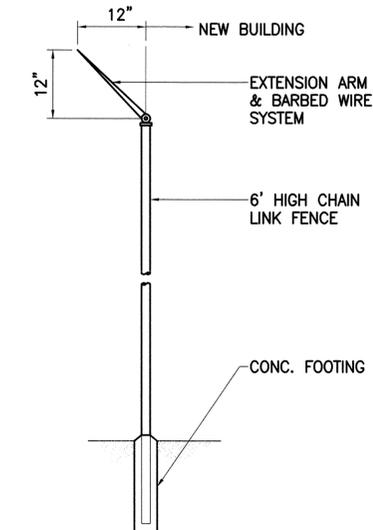


HANDRAIL REPAIR DETAIL
 NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEKAHA KAI STATE PARK MAHAIUOLA IMPROVEMENTS					
PICNIC TABLE/BBQ PIT PLAN AND MISCELLANEOUS DETAILS					
DESIGNED: MD	SUBMITTED: <i>MD</i>				
DRAWN: LS	DATE: APRIL 2016				
CHECKED: BKM	SCALE: AS NOTED				
APPROVED: <i>Melanie Demello</i>		DATE: APR 25 2016		DRAWING NO. C-3	
CHIEF ENGINEER					



CHAIN LINK FENCE AND GATE DETAIL*
SCALE: 3/4" = 1'-0"



NOTES:

1. PAINT ALL COMPONENTS OF NEW AND EXISTING CHAIN LINK FENCE WITH TWO COATS OF BLACK MACHINERY ENAMEL AFTER WEATHERING PERIOD.
2. PROVIDE BARBED WIRE SYSTEM FOR NEW AND EXISTING CHAIN LINK FENCE. BARBED WIRE EXTENSION ARM SHALL BE ORIENTED AWAY FROM NEW STORAGE AND WATER TANK BUILDING.
3. ALL NEW FENCING COMPONENTS SHALL BE HOT-DIPPED GALVANIZED.
4. POSTS, BRACES, AND TOP RAILS SHALL BE SCHEDULE 40 (STANDARD WEIGHT) PIPE. SIZES SPECIFIED ARE OUTSIDE DIAMETER.
5. TOP OF CONCRETE FOOTING SHALL BE CROWNED TO SHED WATER.

BARBED WIRE TYPICAL SECTION A-A
NOT TO SCALE

NOTES:

1. POST AND BRACES SHALL BE SCHEDULE 40 (STANDARD WEIGHT) PIPE. SIZES SPECIFIED ARE OUTSIDE DIAMETER (O.D).
2. ALL FENCING MATERIAL INCLUDING GATE HARDWARE SHALL BE GALVANIZED STEEL.
3. TOP RAIL COUPLINGS SHALL BE LOCATED WITHIN 6" OF LINE POSTS.
4. TOP OF CONCRETE FOOTING SHALL BE CROWNED TO SHED WATER.
5. CORNER FITTINGS FOR GATE FRAMES MAY BE USED IN LIEU OF WELDING.
6. GATE SHALL HAVE KNUCKLED SELVAGE TOP AND BOTTOM. PROVIDE BARBED WIRE ON TOP OF FENCE AND GATE AS SHOWN.
7. GATE SHALL BE PROVIDED WITH PROVISIONS FOR PADLOCKING.
8. CHAIN LINK FENCE AND GATES SHALL BE SPOT-WELDED.
9. ALL NUTS AND BOLTS SHALL BE SPOT-WELDED.

*FOR LOCATION OF NEW CHAIN LINK FENCE AND GATE, REFER TO ARCH SHEET A-3

IF THIS SHEET IS LESS THAN 34"x22", IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEKAHA KAI STATE PARK MAHAUULA IMPROVEMENTS					
CHAIN LINK FENCE AND GATE DETAIL					
DESIGNED: MD		SUBMITTED: <i>ae</i>			
DRAWN: LS		DATE: APRIL 2016			
CHECKED: BKM		SCALE: AS NOTED			
APPROVED: <i>Melanie Demello</i>		DATE: APR 25 2016		DRAWING NO. C-4	
CHIEF ENGINEER		DATE			

ABBREVIATIONS	
ABV	ABOVE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
APPROX	APPROXIMATE
@	AT
BLDG	BUILDING
BD	BOARD
⊕	CENTER LINE
CLG	CEILING
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET
CT	CERAMIC TILE
D	DEPTH/ DOOR
∅	DIAMETER
EQ	EQUAL
EXST	EXISTING
FFL	FINISH FLOOR LEVEL
FIN	FINISH
FLR	FLOOR
FRP	FIBERGLASS REINFORCED POLYMER
GYP	GYPSUM
H	HEIGHT
HDG	HOT DIPPED GALVANIZED
HT	HEIGHT
MAX	MAXIMUM
MET	METAL
MIN	MINIMUM
MTD	MOUNT/MOUNTED
NTS	NOT TO SCALE
OC	ON CENTER
PLYWD	PLYWOOD
REINF	REINFORCED
REQ'D	REQUIRED
SCHED	SCHEDULED
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
STL	STEEL
STRUCT	STRUCTURAL
THK	THICK
TYP	TYPICAL
W	WIDTH
W/	WITH
WD	WOOD
WDW	WINDOW

ARCHITECTURAL NOTES

- THE PROFESSIONAL'S DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK AND AS SUCH CANNOT SHOW ALL CONSTRUCTION CONDITIONS. WHERE DETAILS ARE NOT SHOWN, THE CONTRACTOR SHALL PROCEED FOLLOWING THE ACCEPTED QUALITY STANDARDS AND PROCEDURES OF THE CONSTRUCTION INDUSTRY IN THE STATE OF HAWAII FOLLOWING THE GENERAL INTENT OF THE CONSTRUCTION DOCUMENTS. ADJUSTMENTS IN THE WORK TO COMPENSATE FOR MINOR INTERFERENCES AND COORDINATION BETWEEN TRADES SHALL BE ACCOMPLISHED AS PART OF THE WORK AT NO ADDITIONAL COST TO THE STATE. ANY SUCH ADJUSTMENTS IMPACTING THE DIMENSIONS OR APPEARANCE OF THE FINAL PROJECT SHALL BE APPROVED BY THE CONTRACTING OFFICER PRIOR TO INITIATION.
- CONTRACTOR SHALL VERIFY ALL GOVERNING DIMENSIONS, ELEVATIONS, AND CONDITIONS AT THE CONSTRUCTION SITE PRIOR TO BEGINNING ANY WORK. NO EXTRA OR ADDITIONAL COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL MEASUREMENTS AND DIMENSIONS, ETC. INDICATED ON THE DRAWINGS IF THE WORK IS NOT MATERIALLY CHANGED. ANY DIFFERENCE FOUND SHALL BE REFERRED TO THE CONTRACTING OFFICER FOR INSTRUCTION BEFORE PROCEEDING WITH THE WORK. WHERE EXISTING CONDITIONS REQUIRE DETAILS AND/OR SPECIFICATIONS TO VARY FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER IN WRITING AND PROPOSE ALTERNATE METHODS AND MATERIALS FOR CONSIDERATION.
- CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUEST FOR MODIFICATION TO THE PLANS AND SPECIFICATIONS TO BE APPROVED BY THE CONTRACTING OFFICER. SUCH MODIFICATIONS, AND OTHER CHANGES CAUSED BY THEM, TO THE PLANS AND SPECIFICATIONS BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
- QUANTITIES SHOWN AND/OR SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR ALL QUANTITIES REQUIRED FOR A COMPLETE PROJECT.
- CONSTRUCTION SHALL COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE (IBC) WITH COUNTY AMENDMENTS PER HAWAII COUNTY CODE, 2010 ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES), AND OTHER APPLICABLE CODES IN EFFECT.
- DIMENSIONS:**
-DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE.
-DIMENSIONS SHALL BE FIELD VERIFIED BEFORE PROCEEDING WITH THE WORK.
-± (PLUS OR MINUS) DIMENSION SHALL BE VERIFIED BY THE CONTRACTOR.
(E) MEANS "EXISTING". CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS AND CONFIRM SIZES.
- WHERE EXISTING CONDITIONS REQUIRE DETAILS AND/ OR SPECIFICATIONS DIFFERENT FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER IN WRITING SO THAT ALTERNATIVE METHODS AND MATERIALS MAY BE CONSIDERED.
- THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE CONTRACTING OFFICER OR HIS REPRESENTATIVE DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AT THE BEGINNING OF THE PROJECT AN OVERALL WORK SCHEDULE AND SHALL PROVIDE A 14-DAY WRITTEN NOTICE TO WORK IN ANY AREA.
- CONTRACTOR SHALL COORDINATE WITH CONTRACTING OFFICER, AND NOTIFY KEKAHA KAI STATE PARK FACILITIES AND MAINTENANCE MANAGEMENT AT LEAST FOURTEEN (14) WORKING DAYS ADVANCE NOTICE OF ANY INTERFERENCE, DISRUPTION AND/OR OUTAGES TO BUILDING SERVICES.
- PAINT APPLICATION SHALL BE BY BRUSH AND ROLLER ONLY, UNLESS WRITTEN APPROVAL FROM THE CONTRACTING OFFICER IS OBTAINED.
- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARDS FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER. 2006 NFPA 1.
- THE CONTRACTOR SHALL PATCH AND PAINT ALL SURFACES THAT HAVE BEEN EXPOSED FROM CUTTING AND/OR REMOVAL. PAINTING SHALL MATCH THE COLOR AND FINISH OF THE ADJACENT SURFACES.
- ALL EXISTING ITEMS AND FINISHES SCHEDULED TO REMAIN DAMAGED DURING CONSTRUCTION AND OVERPAINTED EXISTING MATERIALS SHALL BE CORRECTED TO MATCH THE EXISTING MATERIAL AND FINISHES AT NO ADDITIONAL COST TO THE STATE AND TO THE STATE'S SATISFACTION.
- "REPLACE" MEANS THAT THE CONTRACTOR SHALL REMOVE EXISTING WORK AND TO FURNISH AND INSTALL "NEW" ITEM TO MATCH THE EXISTING DESIGN (E.G., MATERIAL, THICKNESS, COLOR, QUALITY, CONSTRUCTION, ETC.) UNLESS OTHERWISE DETAILED OR NOTED. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION AND DESIGN PRIOR TO REMOVAL.
- ALL MATERIALS, ITEMS WORK, NOTED IN THE DRAWINGS SHALL BE "NEW" UNLESS OTHERWISE INDICATED "EXISTING", "EXST" OR "EXIST".
- "PROVIDE" MEANS FURNISH AND INSTALL NEW ITEM(S) AS DETAILED OR NOTED IN THE CONTRACT DOCUMENTS.
- ALL NEW MATERIALS SHALL BE ASBESTOS FREE. IF ANY NEW MATERIAL FROM THIS PROJECT IS LATER IDENTIFIED AS ASBESTOS CONTAINING MATERIAL, THE CONTRACTOR SHALL BE LIABLE FOR ALL COST ASSOCIATED WITH THE ASBESTOS IDENTIFICATION, ASBESTOS ABATEMENT, AND REPLACEMENT OF THE MATERIAL. ANY EXCEPTION SHALL BE MADE WITH THE CONTRACTING OFFICER'S APPROVAL.
- TYPICAL HOURS OF WORK, AND CONTRACTOR ACCESS TO THE WORK AREA SHALL BE COORDINATED WITH KEKAHA KAI STATE PARK FACILITIES AND MAINTENANCE MANAGEMENT.
- ALL WASTE MATERIALS SHALL BE PROMPTLY REMOVED AND PROPERLY DISPOSED OF OUTSIDE THE LIMITS OF KEKAHA KAI STATE PARK. AT THE END OF CONSTRUCTION, ALL ITEMS AND EQUIPMENT TEMPORARILY REMOVED OR RELOCATED DURING THE CONSTRUCTION PROCESS SHALL BE REINSTALLED IN THE SAME LOCATION PRIOR TO THE REMOVAL, OR IN A DIFFERENT LOCATION AS NOTED IN THE DRAWINGS, OR IN A LOCATION APPROVED BY THE STATE/USER.

- WHERE WARRANTIES ARE SPECIFIED, CONTRACTOR'S BID SHALL INCLUDE FULL COMPLIANCE OF ALL CONDITIONS REQUIRED BY THE WARRANTIES. WHERE THE MANUFACTURER'S WARRANTY REQUIREMENTS AND/OR RECOMMENDATIONS VARY FROM THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR IS EXPECTED TO COMPLY WITH THE STRICTER OF THE TWO PROVIDING REQUIREMENTS DO NOT VOID WARRANTY. CONTRACTOR SHALL INFORM THE CONTRACTING OFFICER IN WRITING, PROVIDE SHOP DRAWINGS AND AS-BUILT DRAWINGS WHERE PROPOSED CONSTRUCTION WILL DEVIATE FROM THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR SHALL MONITOR QUALITY CONTROL AND TIME MANAGEMENT OVER SUBCONTRACTORS, SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK OF SPECIFIED QUALITY. REVIEW ALL MATERIAL AND EQUIPMENT AS IT ARRIVES ON SITE PRIOR TO INSTALLATION; DO NOT INSTALL NONCONFORMING MATERIAL OR EQUIPMENT.
- CONTRACTOR SHALL COMPLY WITH SPECIFIED STANDARDS AS A MINIMUM QUALITY FOR THE WORK EXCEPT WHEN MORE STRINGENT TOLERANCES, CODES, OR SPECIFIED REQUIREMENTS INDICATE HIGHER STANDARDS OR MORE PRECISE WORKMANSHIP. PERFORM WORK SHALL BE BY PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.
- THE CONTRACTOR SHALL PROTECT ALL ITEMS, IN AND ABOVE GROUND WITHIN THE PROJECT SITE AND ADJACENT PROPERTIES FROM SETTLEMENT AND DAMAGE. SETTLEMENT AND DAMAGE TO BUILDINGS, SIDEWALKS, UTILITY LINES (PLUMBING, ELECTRICAL, TELEPHONE, DATA, ETC.), LANDSCAPING, LAWN, HOSEBIBS, ETC., BY THE CONTRACTOR, THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS, AND EQUIPMENT, SHALL BE REPLACED AND/OR REPAIRED AT NO EXTRA COST TO THE GOVERNMENT AND TO THE GOVERNMENT'S SATISFACTION.
- IN ADDITION TO THE ITEMS TO BE REMOVED AND/OR DEMOLISHED AS NOTED IN THESE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL REMOVE, REINSTALL, AND/OR REPAIR ALL PORTIONS OF THE EXISTING BUILDING AS REQUIRED TO FACILITATE THE COMPLETE CONSTRUCTION WORK AS SHOWN IN THESE DRAWINGS AND/OR SPECIFIED IN THE SPECIFICATIONS.
- DRAWINGS INCLUDE INFORMATION FROM ALL DISCIPLINES FOR GENERAL INFORMATION AND COORDINATION PURPOSES. GENERAL CONTRACTOR MUST REFER TO INDIVIDUAL DISCIPLINES' DRAWINGS/SPECIFICATIONS AND COORDINATE FOR COMPLETE SCOPE OF WORK.
- WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO PROVIDE A COMPLETE AND OPERABLE EQUIPMENT/PROJECT, ALTHOUGH NOT SPECIFICALLY REFERRED TO ON THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED AT THE CONTRACTOR'S EXPENSE.
- IN PERFORMING ALL WORK, THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION NECESSARY TO AVOID ANY DAMAGE TO AND IMPAIRMENT OF ANY EXISTING UTILITIES. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR RESTORE UTILITIES AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL KEEP THE PROJECT SITE AND ADJACENT COMMON AREAS NEAT, TIDY & CLEAN AT ALL TIMES DURING CONSTRUCTION. PROVIDE PLASTIC BARRIERS, WALK-OFF MATS, ETC. AT THE COMPLETION OF WORK, THE CONTRACTOR SHALL LEAVE ALL WORK AREAS AND FINISHED SPACES IN CLEAN AND ACCEPTABLE CONDITION. FINAL CLEAN-UP INCLUDES THE INTERIOR OF WINDOWS, INCLUDING GLASS, MULLIONS, AND SILLS, TOP OF DOORS AND DOOR FRAMES, TOPS OF WALL BASES, BUILT-INS, AND ALL FLOORING (WITHIN THE SITE AND COMMON AREAS).
- ARCHITECTURAL DRAWINGS INCLUDE INFORMATION FROM STRUCTURAL, MECHANICAL, AND ELECTRICAL FOR GENERAL INFORMATION AND COORDINATION. GENERAL CONTRACTOR MUST REFER TO INDIVIDUAL DISCIPLINES' DRAWINGS/SPECIFICATIONS AND COORDINATE FOR COMPLETE ACCURATE SCOPE WORK.
- ALL MATERIALS AND EQUIPMENT NECESSARY FOR REPLACEMENT SHALL BE AVAILABLE AND READY FOR INSTALLATION PRIOR TO REMOVAL OF THE EXISTING WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING COMPLETELY DIMENSIONED INSTALLATION OR SETTING DRAWINGS OF THE VARIOUS EQUIPMENT AND WORK REQUIRING OPENINGS OR OTHER PROVISIONS TO BE MADE IN THE CONSTRUCTION. SUCH DRAWINGS SHALL HAVE THE CONTRACTING OFFICER APPROVAL PRIOR TO THEIR USE.
- CONTRACTOR SHALL PROVIDE A TEMPORARY SAFE PEDESTRIAN PASSAGEWAY AROUND THE CONSTRUCTION SITE THAT COMPLIES WITH 2010 ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
- PRIOR TO ANY WORK, THE CONTRACTOR SHALL DEVELOP SAFETY PLANS AND METHODS TO PROTECT THE BUILDING, THE ROOFS, PEOPLE BELOW/INSIDE THE BUILDING AND THE BUILDING GROUNDS FROM FALLING OBJECTS, DEBRIS, ETC. PROTECTION BARRIERS SHALL BE IN PLACE AND MAINTAINED CONTINUOUSLY WHEN OVERHEAD WORK IS BEING PERFORMED. CONSTRUCTION TAPE WILL NOT BE ACCEPTABLE AS A BARRICADE. CONSIDER TRAFFIC/BARRICADE PLANS TO CONTROL PEDESTRIAN AND VEHICULAR TRAFFIC AROUND, IN AND OUT OF THE BUILDING. ADDITIONAL PROTECTION/ BARRICADES MAY BE REQUIRED BY THE STATE IF BARRIERS ARE DETERMINED INADEQUATE AT NO ADDITIONAL COST.
- CONTRACTOR SHALL PERFORM A PRE-FINAL INSPECTION AND PROVIDE THE INSPECTION REPORT TO THE CONTRACTING OFFICER. WHEN THE CONTRACTOR HAS COMPLETED CORRECTING PUNCH LIST ITEMS, THE ANNOTATED PUNCH LIST SHALL BE PROVIDED TO THE CONTRACTING OFFICER AND A PRE-FINAL INSPECTION WITH THE CONSULTANTS WILL BE SCHEDULED. THE PRE-FINAL INSPECTION IS CONDUCTED WHEN THE PROJECT IS COMPLETE AND IS INTENDED TO DETERMINE IF ANY COMPLETED WORK IS NOT SATISFACTORY. IF INCOMPLETE WORK ITEMS ARE FOUND, THE INSPECTION MAY BE TERMINATED AND RESCHEDULED WHEN THE CONTRACTOR COMPLETES THE WORK.
- FIRE STOPPING SHALL BE INSTALLED AT ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES (I.E. WALL, FLOOR/CEILING, ROOF/CEILING, SHAFTS, ETC).
- FOR HAZARDOUS MATERIAL ABATEMENT (E.G., LBP AND OTHERS) REFER TO SPECIFICATIONS.

REFERENCE SYMBOLS

GRIDLINES

GRID — — — — GRID LINE DESIGNATIONS ARE TO THE CENTER OF THE COLUMN OR WALL; UNLESS NOTED OTHERWISE.

FOW — — — — GRID LINE DESIGNATION FACE OF CMU OR CONCRETE WALL, AND FACE OF METAL OR WOOD STUDS; UNLESS NOTED OTHERWISE

FOC — — — — GRID LINE DESIGNATION FACE OF COLUMN; UNLESS NOTED OTHERWISE.

DIMENSIONS

DIMENSION — — — — DIMENSION TAKEN FROM FACE OF FRAMING MEMBER (I.E. CMU, CONCRETE, STRUCTURAL STEEL, METAL STUDS, WOOD, ETC.) TO FACE OF FRAMING MEMBER, UNLESS NOTED OTHERWISE

DIMENSION; CLR — — — — DIMENSION TAKEN FROM FACE OF FINISH TO FACE OF FINISH; UNLESS NOTED OTHERWISE. WHERE DRAWINGS INDICATE THE FACE OF FINISH IS SAME AS FACE OF FRAMING (I.E. CMU, CONCRETE, EXPOSED STRUCTURAL STEEL, EXPOSED WOOD, ETC.), DIMENSION SHALL BE TAKEN FROM FACE OF FRAMING.

SYMBOLS

⊙ — — — — DOOR NUMBER IDENTIFICATION SYMBOL

⊙ — — — — WINDOW NUMBER IDENTIFICATION SYMBOL

WT- — — — — WALL TYPE IDENTIFICATION SYMBOL

16.00 — — — — TOP OF CONCRETE SURFACE ELEVATION; UNLESS NOTED OTHERWISE

SYMBOL WHERE SECTION IS TAKEN:

SECTION IDENTIFICATION NUMBER — — — —

SHEET NUMBER ON WHICH SECTION IS DRAWN — — — —

SYMBOL WHERE DETAIL IS TAKEN:

DETAIL IDENTIFICATION NUMBER — — — —

SHEET NUMBER ON WHICH DETAIL IS DRAWN — — — —

SECTION OR DETAIL SUBTITLE:

SECTION / DETAIL IDENTIFICATION NUMBER — — — —

DRAWING TITLE

SCALE — — — —

SHEET NUMBERS ON WHICH SECTION / DETAIL IS DRAWN — — — —

ARCHITECTURAL SCOPE OF WORK

- A. WORK @ EXISTING TOILETS, NEW STORAGE**
- DEMOLITION/ REMOVAL**
- DEMOLISH AND REMOVE EXISTING WOOD SCREEN WALL, 24" (H) CMU WALL AND ROCK VENEER.
 - DEMOLISH AND REMOVE EXISTING ROOFING, ROOF DECKING AND FRAMING.
- REPAIR WORK AND NEW WORK**
- CONSTRUCT NEW 26'-0" X 20'-0" STORAGE BUILDING.
 - PROVIDE AND INSTALL WATER TANK (COORDINATE W/ MECHANICAL) AND CONSTRUCT CONCRETE PEDESTAL (COORDINATE W/ STRUCTURAL).
 - CONSTRUCT NEW ROOF OVER EXISTING (2) 8'-8" X 14'-8" TOILETS.
 - CLEAN EXISTING TOILETS; CLEAN, RESTORE EXISTING CERAMIC TILE FLOOR AND WAINSCOT.
- PAINT WORK**
- PAINT FINISH ALL PAINTABLE SURFACES EXPOSED TO VIEW UNLESS NOTED OTHERWISE.
- B. OTHER WORK**
- DEMOLISH EXISTING HIBACHI STAND AND INSTALL NEW ACCESSIBLE BBQ PIT (QTY: 1) @ EXISTING CONCRETE PAD. CONSTRUCT NEW ACCESSIBLE PICNIC TABLE, CONCRETE PAD AND BBQ PIT (QTY: 1). REFURBISH EXISTING BBQ PITS (QTY: 3) AS REQUIRED. COORDINATE W/ CIVIL FOR LOCATIONS.

COUNTY OF HAWAII
BUILDING ENERGY EFFICIENCY STANDARDS

To the best of my knowledge, this project's design substantially conforms to the International Energy Conservation code of the County of Hawaii for:

X Building Component Systems

Signature: HERB LEONG Date: 04-22-16

Name: HERB LEONG

Title: ARCHITECT

License No.: XXXX

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

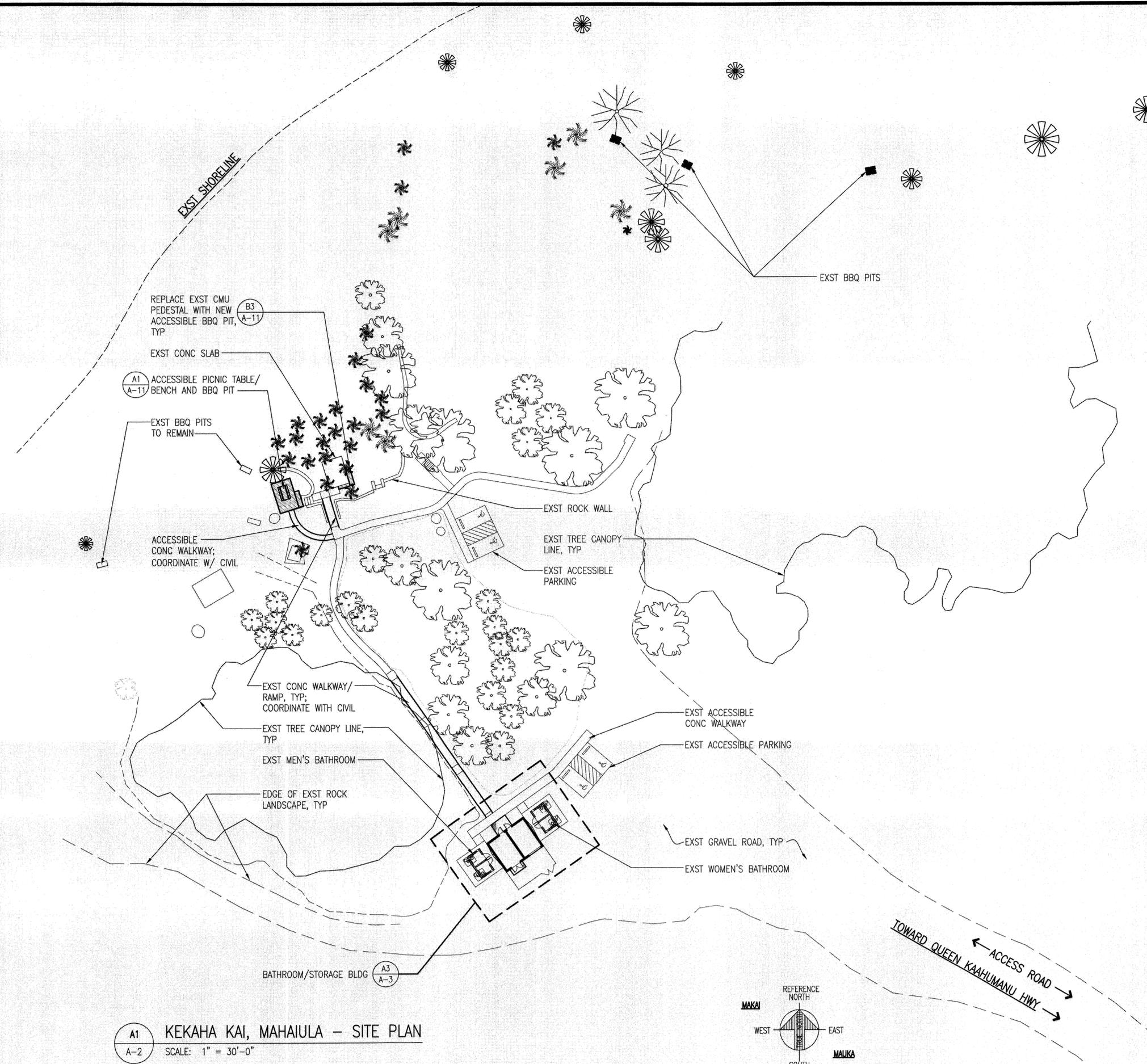
**KEKAHA KAI STATE PARK
MAHAUIA IMPROVEMENTS**

REFERENCE SYMBOLS,
ARCHITECTURAL NOTES AND ABBREVIATIONS

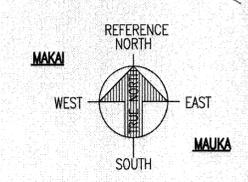
DESIGNED: JN, ML	SUBMITTED: -
DRAWN: ML	DATE: APRIL 2016
CHECKED: HL	SCALE: AS NOTED
APPROVED: <u>[Signature]</u>	DRAWING NO. A-1
CHIEF ENGINEER	DATE: APR 25 2016

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

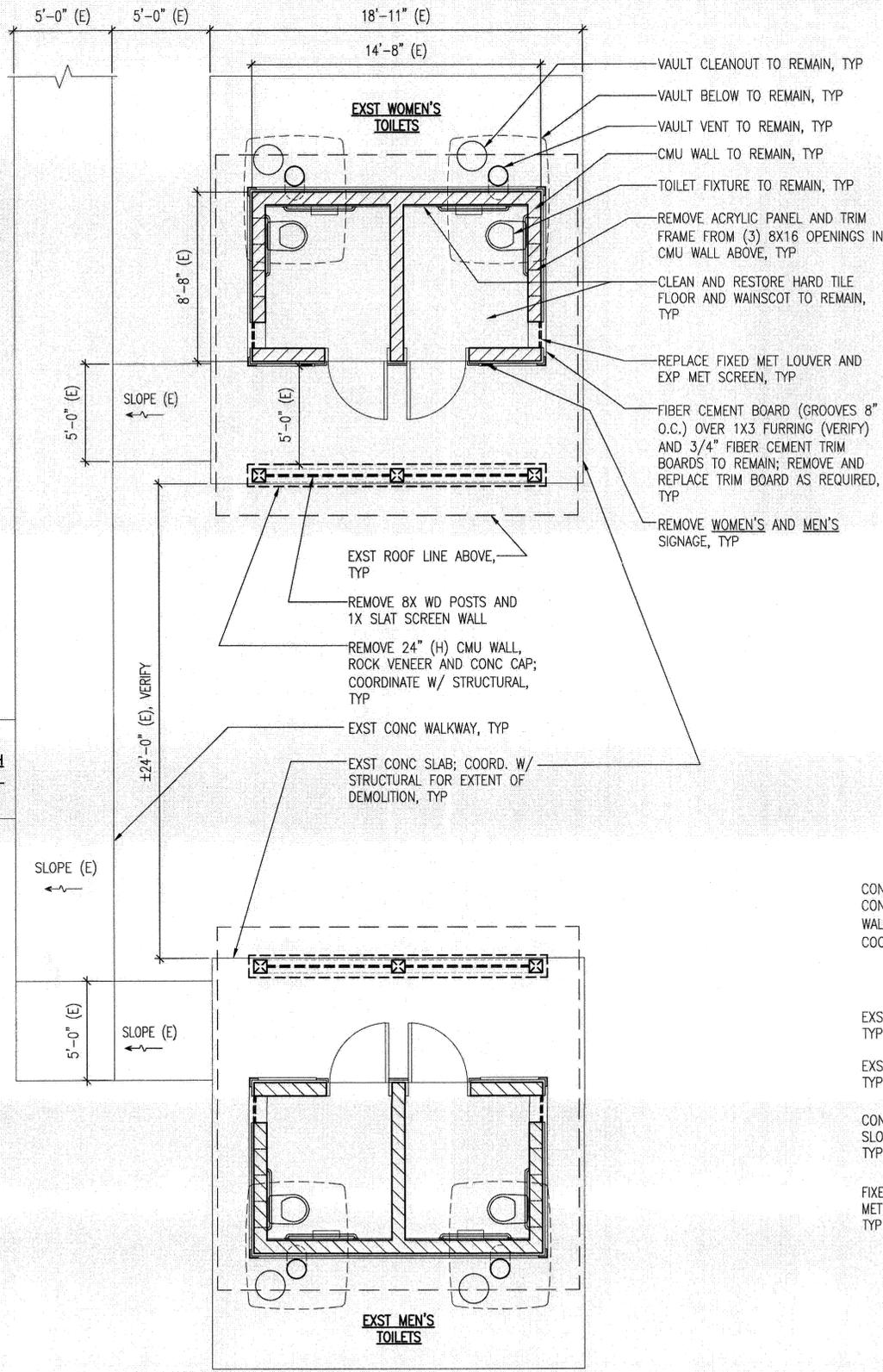
Expiration Date of License 04/30/18



A1 KEKAHA KAI, MAHAIULA - SITE PLAN
 A-2 SCALE: 1" = 30'-0"

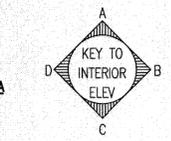
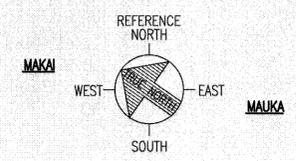


REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEKAHA KAI STATE PARK MAHAIULA IMPROVEMENTS					
MAHAIULA SITE PLAN					
 THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION APPROVED: CHIEF ENGINEER Expiration Date of License 04/30/18		DESIGNED: JN, ML	SUBMITTED:		
		DRAWN: ML	DATE: APRIL 2016		
		CHECKED: HL	SCALE: AS NOTED		
				APR 25 2016	DRAWING NO. A-2

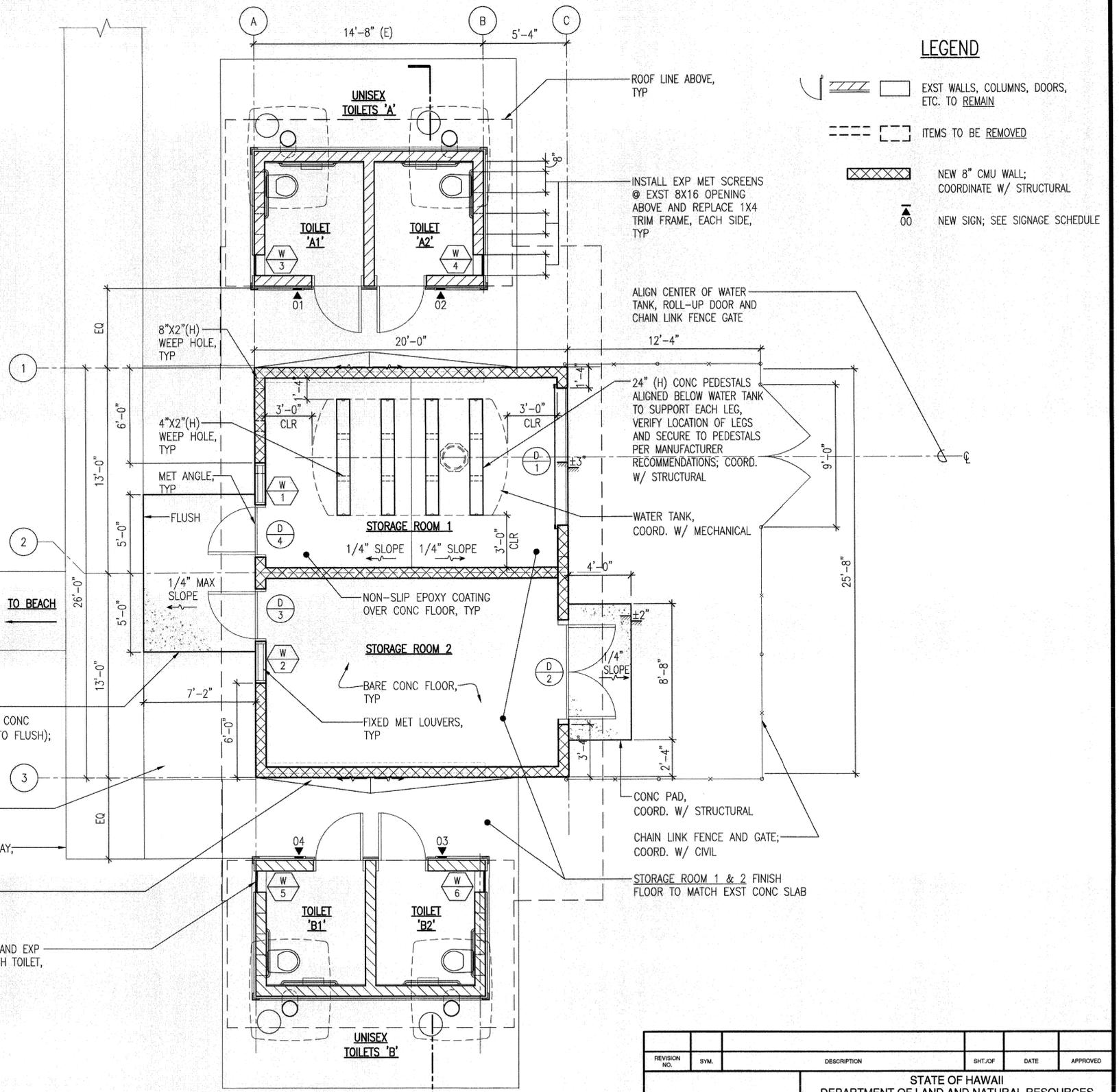


NOTE:
FOR EXST MEN'S TOILETS, ALL NOTES
FOR EXST WOMEN'S TOILETS APPLY

A1 DEMOLITION FLOOR PLAN
A-3 SCALE: 1/4"=1'-0"



A3 RENOVATION FLOOR PLAN
A-3 SCALE: 1/4"=1'-0"



LEGEND

	EXST WALLS, COLUMNS, DOORS, ETC. TO REMAIN
	ITEMS TO BE REMOVED
	NEW 8" CMU WALL; COORDINATE W/ STRUCTURAL
	NEW SIGN; SEE SIGNAGE SCHEDULE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

APPROVED: *[Signature]*
CHIEF ENGINEER

Expiration Date of License 04/30/18

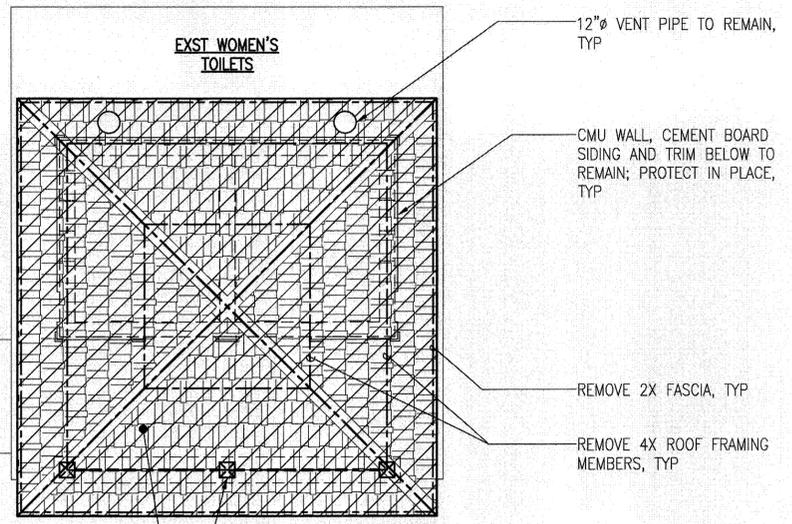
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

**KEKAHA KAI STATE PARK
MAHAUIA IMPROVEMENTS**

BUILDING DEMOLITION AND RENOVATION FLOOR PLAN

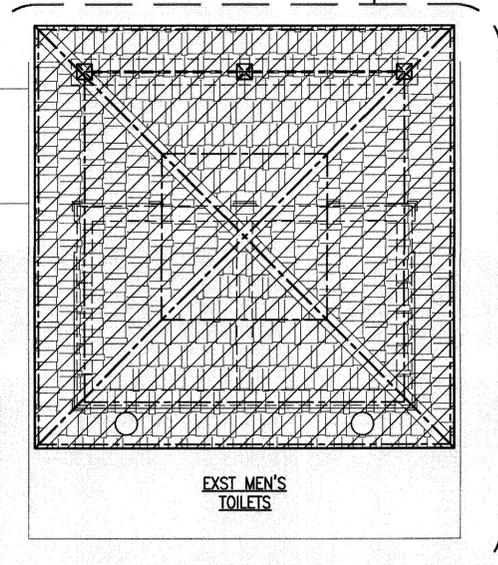
DESIGNED: JN, ML
DRAWN: ML
CHECKED: HL
APPROVED: *[Signature]*
CHIEF ENGINEER

SUBMITTED: *[Signature]*
DATE: APRIL 2016
SCALE: AS NOTED
DRAWING NO. A-3

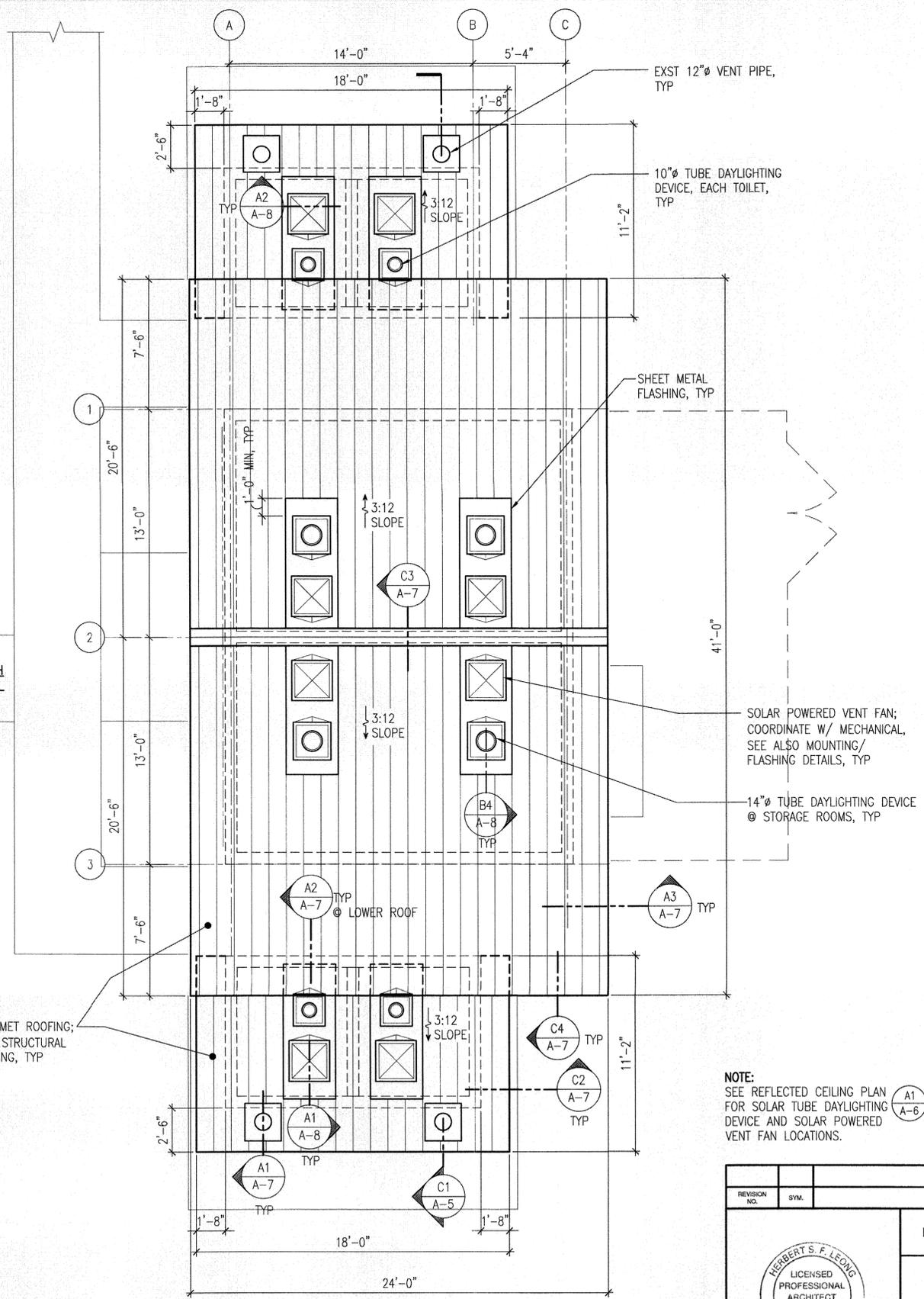


NOTE FOR BOTH EXISTING TOILETS:
REMOVE ALL ROOF FRAMING, DECKING, ROOFING
AND ALL ASSOCIATED ROOF ELEMENTS.

ALL NOTES FOR
EXIST WOMEN'S TOILETS APPLY



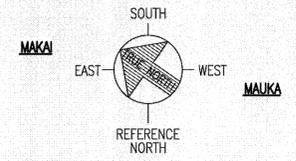
A1 DEMOLITION ROOF PLAN
A-4 SCALE : 1/4"=1'-0"



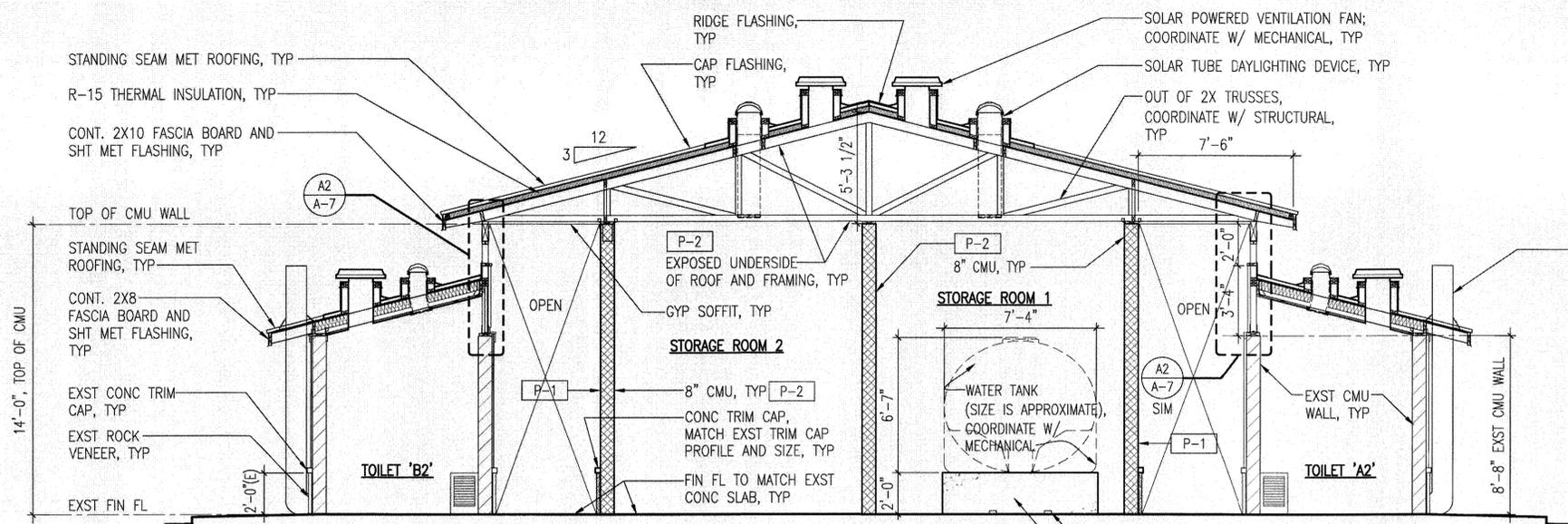
STANDING SEAM MET ROOFING;
COORDINATE W/ STRUCTURAL
FOR ROOF FRAMING, TYP

NOTE:
SEE REFLECTED CEILING PLAN
FOR SOLAR TUBE DAYLIGHTING
DEVICE AND SOLAR POWERED
VENT FAN LOCATIONS.

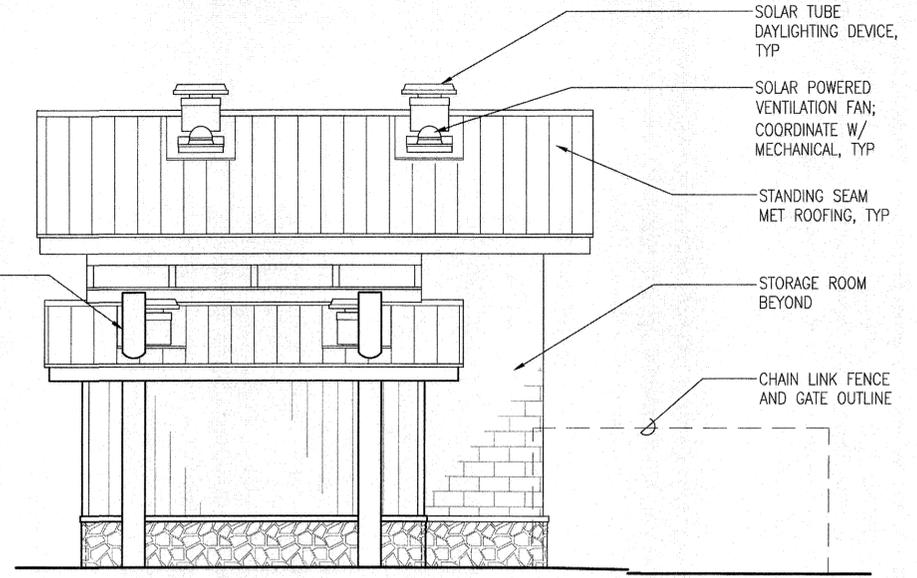
A3 RENOVATION ROOF PLAN
A-4 SCALE : 1/4"=1'-0"



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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KEKAHA KAI STATE PARK MAHAUULA IMPROVEMENTS					
DEMOLITION AND RENOVATION ROOF PLAN					
DESIGNED: JN, ML		SUBMITTED: <i>sc</i> <i>ml</i>			
DRAWN: ML		DATE: APRIL 2016			
CHECKED: HL		SCALE: AS NOTED			
APPROVED: <i>[Signature]</i>		DATE: APR 25 2016		DRAWING NO. A-4	
Expiration Date of License 04/30/18		CHIEF ENGINEER			

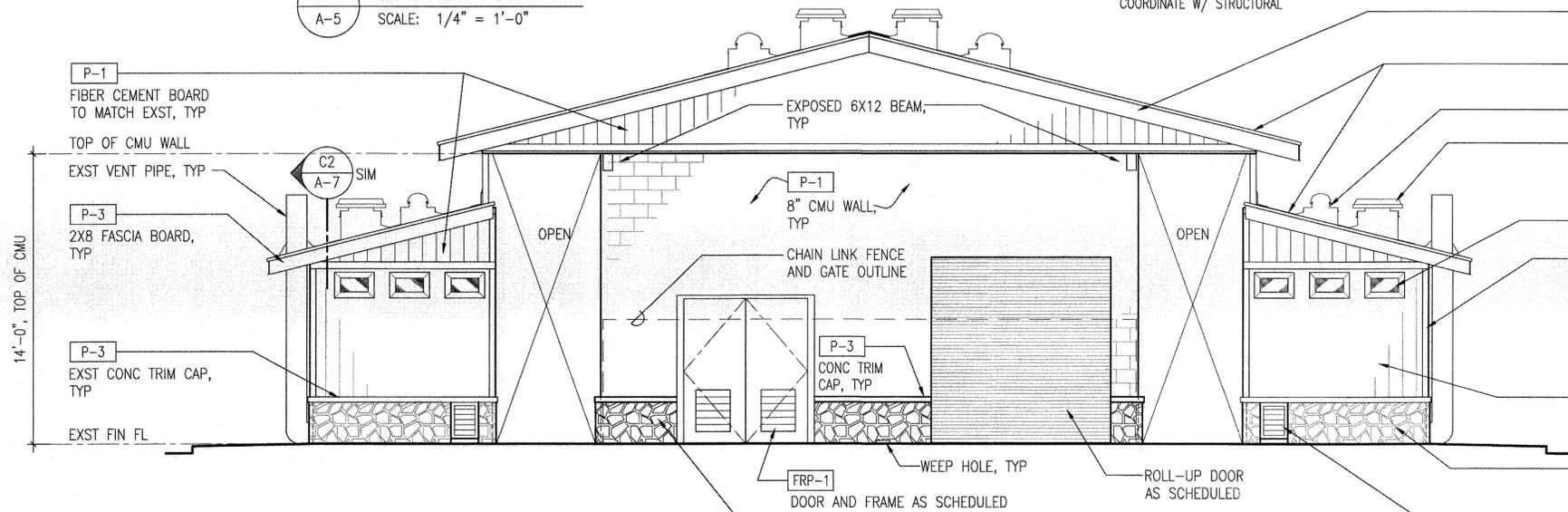


C1 BUILDING SECTION
A-5 SCALE: 1/4" = 1'-0"

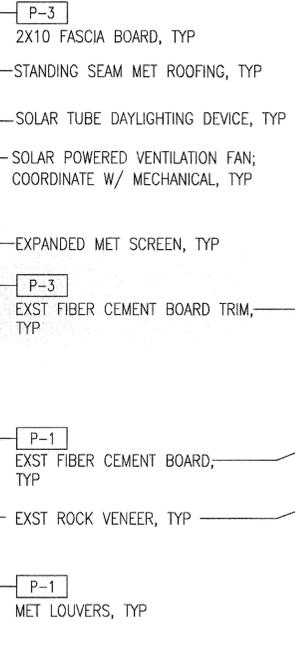


C4 BUILDING ELEVATION - SOUTH
A-5 SCALE: 1/4" = 1'-0"

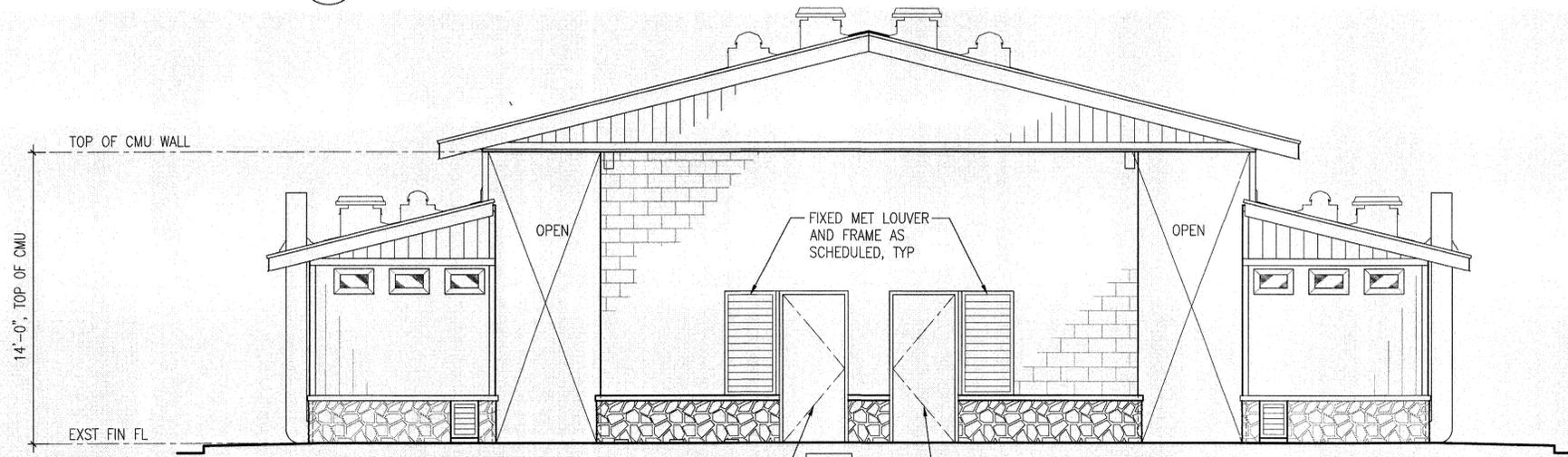
NOTE: REFER TO EAST ELEVATION FOR REMAINDER OF NOTES.



B1 BUILDING ELEVATION - EAST
A-5 SCALE: 1/4" = 1'-0"



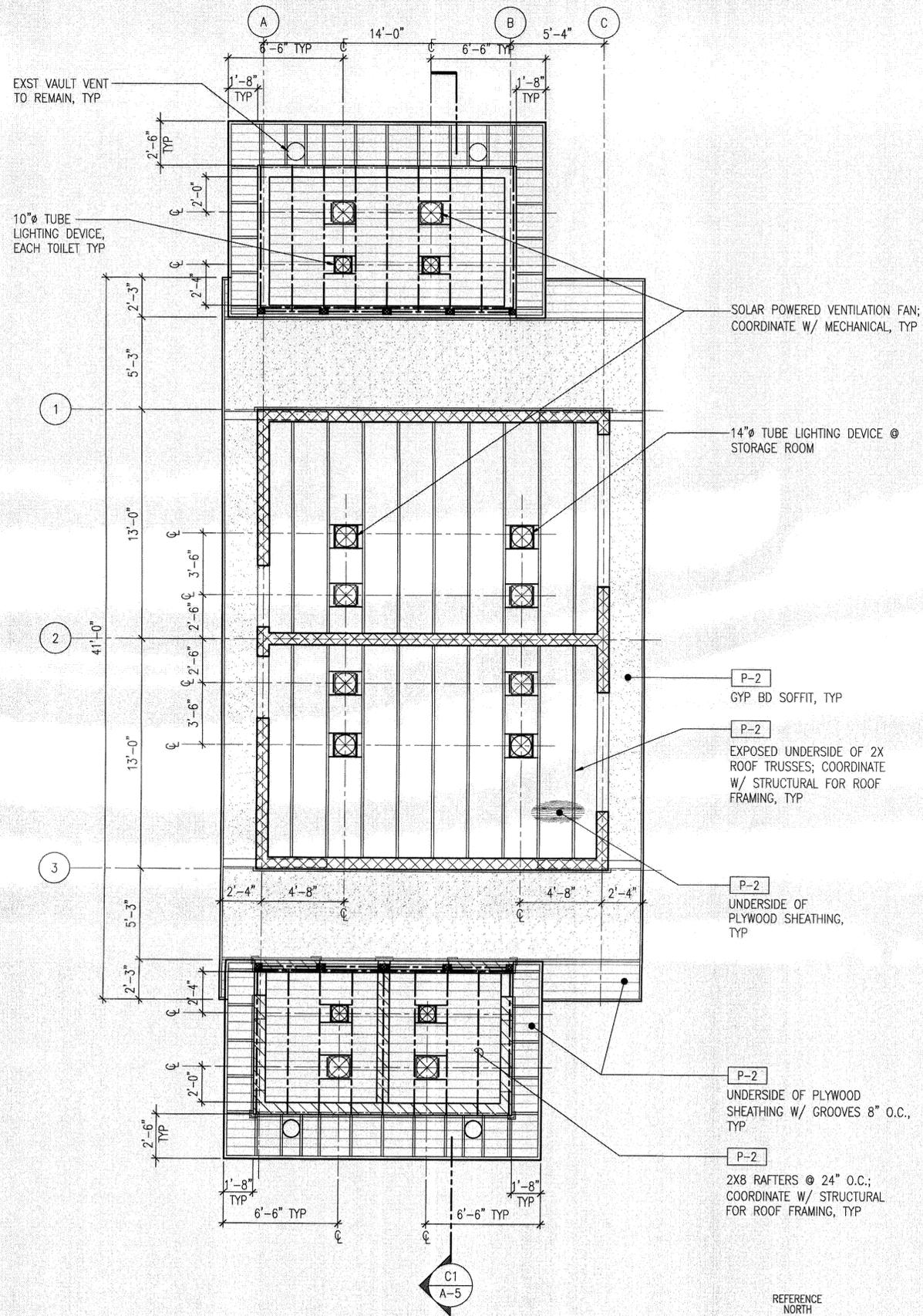
B4 BUILDING ELEVATION - CORRIDOR
A-5 SCALE: 1/4" = 1'-0"



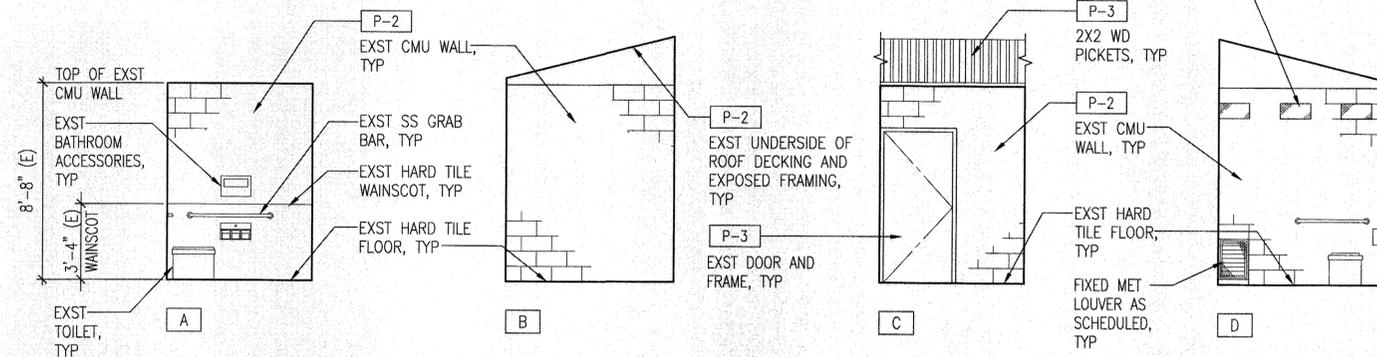
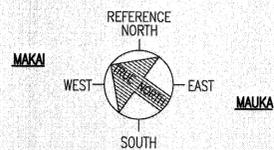
A1 BUILDING ELEVATION - WEST
A-5 SCALE: 1/4" = 1'-0"

NOTE: REFER TO EAST ELEVATION FOR REMAINDER OF NOTES.

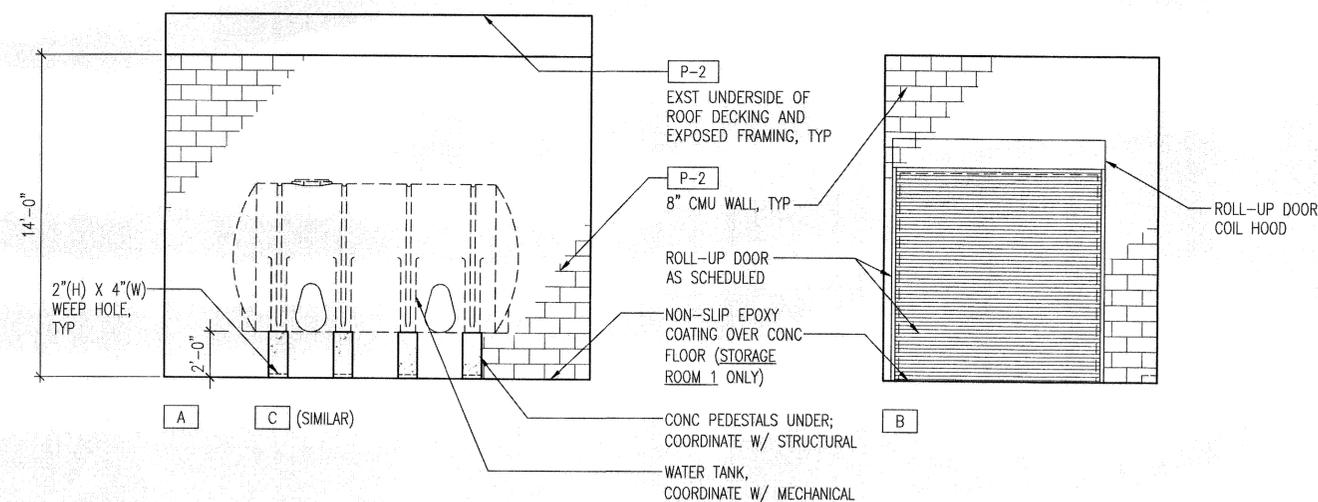
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION KEKAHA KAI STATE PARK MAHAULA IMPROVEMENTS BUILDING ELEVATIONS AND SECTIONS					
DESIGNED: JN, ML		SUBMITTED: <i>ac</i>		DATE: APRIL 2016	
DRAWN: ML		CHECKED: HL		SCALE: AS NOTED	
APPROVED: <i>HL</i>		DATE: APR 25 2016		DRAWING NO. A-5	
THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION Expiration Date of License 04/30/18 HERBERT S. F. LEONG LICENSED PROFESSIONAL ARCHITECT No. 04050 HAWAII, U.S.A.					



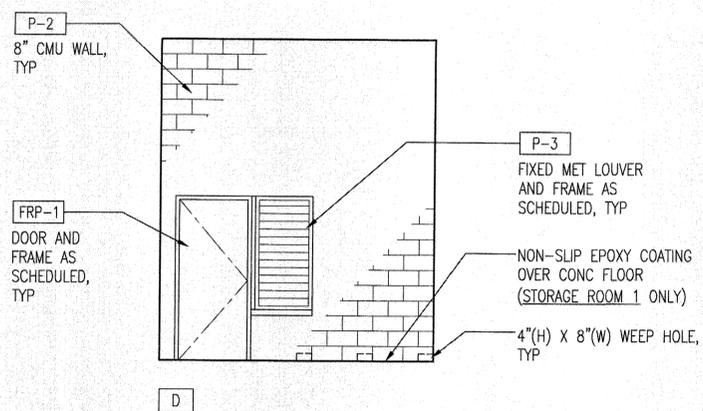
A1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



UNISEX TOILETS, TOILET 'A1' (TOILET 'A2', 'B1', 'B2' SIMILAR)



STORAGE ROOM 1 (STORAGE ROOM 2, SIMILAR)



A3 INTERIOR ELEVATIONS
SCALE: 1/4" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION KEKAHA KAI STATE PARK MAHAULA IMPROVEMENTS REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS					
DESIGNED: JN, ML DRAWN: ML CHECKED: HL APPROVED: <i>[Signature]</i> CHIEF ENGINEER		SUBMITTED: <i>[Signature]</i> DATE: APRIL 2016 SCALE: AS NOTED DATE: APR 25 2016		SHEET NO. 11 OF 23 SHEETS A-6	