

GENERAL AND CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL PERFORM APPLICABLE CONSTRUCTION WORK IN ACCORDANCE WITH THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1984 AS AMENDED AND "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1986, OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF MAUI, AND "HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," 2005, OF THE DEPARTMENT OF TRANSPORTATION, HIGHWAYS DIVISION, STATE OF HAWAII, AS AMENDED.
2. THE UNDERGROUND UTILITY LINES AND/OR STRUCTURES KNOWN TO EXIST BY THE ENGINEER FROM HIS/HER SEARCH OF RECORDS ARE INDICATED ON THE PLANS. UNLESS OTHERWISE NOTED, ALL LOCATIONS OF UNDERGROUND UTILITY LINES AND/OR STRUCTURES ARE APPROXIMATE. THE INFORMATION SHOWN, THEREFORE, MAY OR MAY NOT BE REPRESENTATIVE OF ACTUAL FIELD CONDITIONS. THE UNDERGROUND UTILITY LINES AND/OR STRUCTURES MAY OR MAY NOT BE PRESENT AT THE LOCATIONS SHOWN OR OTHER UNDERGROUND UTILITY LINES AND/OR STRUCTURES NOT SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE UNDERGROUND UTILITY LINES AND/OR STRUCTURES AND EXERCISE PROPER CARE WHEN EXCAVATING IN THE AREA. PROTECT EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO THEM SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
3. PRIOR TO THE START OF EXCAVATION, THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE AGENCIES AND HAVE THEM LOCATE THEIR RESPECTIVE UTILITY LINES IN THE PROJECT AREA PRIOR TO EXCAVATING. THE CONTRACTOR SHALL BE HELD RESPONSIBLE AND SHALL PAY FOR ALL DAMAGES TO AND MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.
4. TOPOGRAPHIC SURVEY WAS CONDUCTED BY CONTROLPOINT SURVEYING, INC., DATED MARCH 27, 2015, AND MAP WAS COMPLETED ON MAY 19, 2015. BENCHMARK WAS BASED ON ELEVATIONS REFERRED TO STA. CP-3 MAG NAIL, ELEV=2801.38, LOCATED ON KAHAKAPAO ROAD, SEE DWG C-2.
 HORIZONTAL DATUM: NAD83 (PA11) (EPOCH:2010.000)
 COORDINATES SYSTEM: STATE PLANE (ZONE 5102 HI 2)
 VERTICAL DATUM: GEOID12A.
 HORIZONTAL AND VERTICAL CONTROL ESTABLISHED THROUGH NGS OPUS SOLUTION AND GPS STATIC POST-PROCESSING.
5. EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS ARE APPROXIMATE AND OBTAINED FROM TOPOGRAPHIC SURVEY MAP BY CONTROLPOINT SURVEYING, INC., DATED MAY 27, 2015, FIELD INVESTIGATIONS AND RECORD DRAWINGS. PROSPECTIVE CONTRACTORS SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL WORK DETAILS AND CONDITIONS BEFORE SUBMITTING BID. REASONABLE MODIFICATIONS TO INDICATED DIMENSIONS AND ARRANGEMENTS TO SUIT ACTUAL JOB CONDITIONS SHALL NOT CONSTITUTE BASIS FOR REQUESTING OF ADDITIONAL FUNDS FROM DLNR. NO COMPENSATION SHALL BE MADE BECAUSE OF ANY MISUNDERSTANDING OR ERROR REGARDING CONDITIONS OR AMOUNT OF WORK TO BE DONE.
6. PRIOR TO ORDERING MATERIALS AND EQUIPMENT, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, MATERIALS, SIZES, AND DIMENSIONS THAT AFFECT HIS/HER WORK. NOTIFY THE ENGINEER OF ALL DISCREPANCIES IN WRITING AT LEAST TWO (2) WEEKS PRIOR TO PROCUREMENT.
7. VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY BETWEEN THE EXISTING UTILITIES AS SHOWN ON THE DRAWINGS AND IN THE GROUND SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION. CONTRACTOR SHALL NOT PROCEED WITH ANY FURTHER WORK UNTIL WRITTEN NOTIFICATION IS RECEIVED FROM THE ENGINEER. OTHERWISE THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY COST INVOLVED IN CORRECTION OF CONSTRUCTION COMPLETED DUE TO SUCH DISCREPANCIES.
8. WHEN EXCAVATION IS ADJACENT TO OR UNDER EXISTING STRUCTURES OR FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SHEETING AND BRACING THE EXCAVATION AND STABILIZING THE EXISTING GROUND TO RENDER IT SAFE AND SECURE FROM POSSIBLE SLIDES, CAVE-INS AND SETTLEMENT, AND FOR PROPERLY SUPPORTING EXISTING STRUCTURES AND FACILITIES WITH BEAMS, STRUTS OR UNDERPINNING TO FULLY PROTECT IT FROM DAMAGE.
9. BACKFILL SHALL BE SANDY OR GRANULAR MATERIAL COMPLETELY PLACED AS SOON AS THE UNDERGROUND PIPES, CABLES, OR DUCTLINES ARE LAID AND TESTED. THE BACKFILL MATERIAL SHALL BE RAMMED WITH PROPER TOOLS UNTIL COMPACTED TO MINIMUM OF 90% OF ITS MAXIMUM DENSITY.
10. DURING GRADING, BASE COURSE MATERIALS SHALL BE COMPACTED WITH PROPER TOOLS TO A MINIMUM OF 95% OF ITS MAXIMUM DENSITY.
11. ALL WORK CALLED FOR ON THE PLANS AND NOT ITEMIZED IN THE PROPOSAL AND ALL WORK NOT CALLED FOR BUT REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT, SHALL BE CONSIDERED INCIDENTAL AND INCLUDED IN THE CONTRACTOR'S BID PRICE.
12. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL OR BETTER CONDITION ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENT, LANDSCAPING, STRUCTURES, UTILITIES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL AND INCLUDED WITHIN THE CONTRACTOR'S BID PRICE.
13. PAYMENT FOR RESTORATION OF PAVEMENT AND OTHER CONCRETE STRUCTURES WILL NOT BE MADE DIRECTLY BUT SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE IN THE VARIOUS ITEMS OF THE BID.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, "WATER QUALITY STANDARDS," AND CHAPTER 55, "WATER POLLUTION CONTROL," OF TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
15. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER "AS-BUILT" DRAWINGS OF ALL NEW IMPROVEMENTS UPON COMPLETION OF WORK. THE DRAWINGS SHALL INCLUDE ALL CHANGES AND ADJUSTMENTS PERFORMED IN THE FIELD AND BE DRAWN ACCURATELY AND TO SCALE WITH APPROPRIATE CALLOUTS, ORIENTATION AND DIMENSIONING.
16. NON-COMPLIANCE TO ANY OF THE CONTRACT REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHOULD COMMENCE IMMEDIATELY. ALL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S NON-COMPLIANCE SHALL BE BILLED TO THE CONTRACTOR. FURTHERMORE, VIOLATORS SHALL BE SUBJECT TO ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES.
17. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY AND ENVIRONMENTAL QUALITY AND FOR WORKER PROTECTION.
18. ALL EXISTING UTILITIES, SERVICE LINES, SUPPLY LINES AND COMMUNICATION LINES SHALL REMAIN IN PLACE AND IN SERVICE THROUGHOUT THE TERM OF THE PROJECT. IF INTERRUPTION OR RELOCATION OF EXISTING UTILITIES IS REQUIRED, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO WORK. THE CONTRACTOR SHALL COORDINATE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES. INTERRUPTIONS SHALL BE KEPT TO A MINIMUM AND WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
19. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS TO AND FROM ALL DRIVEWAYS AND STREETS.
20. THE CONTRACTOR SHALL SECURE ALL NECESSARY LICENSES, PERMITS, APPROVALS AND CLEARANCES, AND SHALL PAY ALL APPLICATIONS, LICENSES, PERMITS AND INSPECTION FEES REQUIRED FOR THE WORK AND SHALL GIVE ALL NOTICES NECESSARY FOR AND INCIDENTAL TO THE PROPER AND LAWFUL EXECUTION OF THE WORK.
21. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO THE SITE AT ALL TIMES.
22. THE CONTRACTOR SHALL PROVIDE TEMPORARY SECURITY COVERS OVER ANY AND ALL OPENINGS CREATED AS A CONSEQUENCE OF THE PROJECT WORK. THE COVERING SHALL BE ADEQUATE TO PROTECT ALL NECESSARY IMPROVEMENTS FROM WEATHER. SECURITY COVERS SHALL BE PROVIDED WHENEVER THE CONTRACTOR IS AWAY FROM THE PROJECT SITE AND/OR AT THE DIRECTION OF THE ENGINEER.
23. CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE, IDENTIFYING START AND FINISH OF EACH MAJOR TASK, INCLUDING PARTIAL CLOSURE OF PARKING AREA. SUBMIT SCHEDULE IN BOTH MICROSOFT PROJECT 2010 (OR LATER VERSION) AND ADOBE ACROBAT FORMATS TO THE ENGINEER PRIOR TO START OF WORK FOR APPROVAL.
24. IF INADVERTENT CULTURAL OR HISTORIC FINDS ARE ENCOUNTERED, CONTACT THE ENGINEER ON SITE, AND THE STATE HISTORIC PRESERVATION DIVISION AT 808-692-8015. FOR HUMAN REMAINS OR BURIALS, AND CONTACT THE MAUI POLICE DEPARTMENT AT 808-244-6400.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE DEPARTMENT OF JUSTICE'S "2010 ADA STANDARDS FOR ACCESSIBLE DESIGN." ALL FINISHED WORK SHALL MEET THESE STANDARDS.
26. THE CONTRACTOR SHALL NOT PERFORM ANY CONSTRUCTION ACTIVITY THAT DIRECTLY OR INDIRECTLY RESULTS IN ROCKS, SOIL AND DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW ONTO ADJOINING PROPERTIES, STREETS OR NATURAL WATER COURSES. SHOULD SUCH VIOLATIONS OCCUR, THE COST INCURRED FOR ANY REMEDIAL ACTION BY THE ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
27. KAHAKAPAO RECREATIONAL AREA WILL REMAIN OPEN TO THE PUBLIC AND FULLY OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL ADEQUATE TEMPORARY BARRICADES AND WARNING SIGNS TO PROTECT THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT THE PUBLIC PARKING AREA, VEHICULAR ACCESS AND PEDESTRIAN WAYS REMAIN UNOBSTRUCTED AND SAFE DURING THE CONSTRUCTION PERIOD. ANY RESTRICTIONS TO PUBLIC ACCESS SHALL BE COORDINATED WITH THE ENGINEER AND DOFAW AT LEAST TEN (10) WORKING DAYS IN ADVANCE.
28. THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE STATE AND COUNTY OF MAUI 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 STATE.
29. 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.
30. SHOULD HAZARDOUS MATERIAL BE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED AND ALL WORK SHALL BE SUSPENDED UNTIL THE MATERIAL IS PROPERLY REMEDIATED, HANDLED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND REQUIREMENTS.

GRADING NOTES

1. 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 STATE SHALL BE PAYABLE BY THE CONTRACTOR.
2. THE CONTRACTOR, AT HIS/HER OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCES USING DUST SCREENS OR OTHER EROSION CONTROL METHODS. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL RULES OF THE STATE DEPARTMENT OF HEALTH.
3. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS," AND CHAPTER 55, "WATER POLLUTION CONTROL," AND TO THE EROSION AND SEDIMENTATION CONTROL STANDARDS AND GUIDELINES OF THE DEPARTMENT OF PUBLIC WORKS.
4. THE CONTRACTOR SHALL SOD, PLANT OR HYDROMULCH ALL SLOPES AND EXPOSED AREAS IMMEDIATELY AFTER THE GRADING WORK HAS BEEN COMPLETED.
5. THE CONTRACTOR SHALL INFORM THE ENGINEER 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.
6. NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS ANYTIME WITHOUT PRIOR APPROVAL FROM THE STATE. GRADING WORK ON NORMAL WORKING DAYS SHALL BE BETWEEN THE HOURS OF 7:00 AM AND 3:30 PM.
7. FILLS SHALL BE PLACED IN HORIZONTAL LAYERS NOT MORE THAN 8" IN LOOSE THICKNESS, MOISTEN AS REQUIRED, AND COMPACTED TO NOT LESS THAN 95 PERCENT RELATIVE DENSITY.
8. THE CONTRACTOR SHALL REMOVE ALL VEGETATION BEFORE PLACING FILLS ON NATURAL GROUND SURFACE.
9. THE LIMITS OF GRADED AREA SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
10. GRADING SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INSTALLATION OF PROJECT FACILITIES.
11. ALL STABILIZED AND GRADED AREAS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
12. THE CONTRACTOR SHALL PAY FOR ALL COSTS INCURRED FOR THIS WORK. NO EXTRAS WILL BE CONSIDERED FOR MAINTENANCE PERIOD EXCEEDING SIXTY (60) DAYS.
13. TO ALLOW FOR TOPSOIL, CUT AREAS SHALL BE OVEREXCAVATED BY SIX (6) INCHES AND FILL AREAS SHALL BE STOPPED SIX (6) INCHES BELOW GRADES SHOWN.

~~14. THE CONTRACTOR SHALL INSTALL DUST SCREEN AS PER DET B ON DWG C-11 AROUND THE PERIMETER OF PROJECT WORK AND ADJUST ITS HEIGHT ACCORDINGLY AS NEEDED TO AVOID DUST NUISANCE TO ADJACENT AND NEARBY PROPERTIES. THE CONTRACTOR SHALL CHECK AND MAINTAIN THE SCREEN REGULARLY THROUGHOUT PROJECT CONSTRUCTION AND REPAIR/REPLACE ANY DAMAGED SECTIONS AS NEEDED. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL REMOVE THE SCREEN IN ITS ENTIRETY AND RETURN THE AFFECTED AREA TO ITS ORIGINAL CONDITION, OR BETTER.~~

P:\PROJECTS\HAWAII STATE OF (HI)\146834 ADA_KAHAKAPAO RECREATIONAL AREA_MAUI_CADD\2-SHEETS\G-GENERAL\146834-SF-G-002.DWG 5/5/2016 RSELLONA

1	ADDENDUM NO. 1 - DELETE GRADING NOTE 14	3/14	06/01/16	GC DL	
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
KAHAKAPAO RECREATIONAL AREA ADA IMPROVEMENTS					
GENERAL AND CONSTRUCTIONS NOTES					
DESIGNED: AC		SUBMITTED: MS <i>gc</i>			
DRAWN: RS		DATE: MAY 2016			
CHECKED: MN		SCALE: NA			
APPROVED: <i>Coly</i>		DRAWING NO. G-2			
APRIL 30, 2018		MAY 6 2016			
EXPIRATION DATE OF THE LICENSE		DATE			
CHIEF ENGINEER		JOB NO. J00CM60A SHEET NO. 3 OF 14 SHEETS			