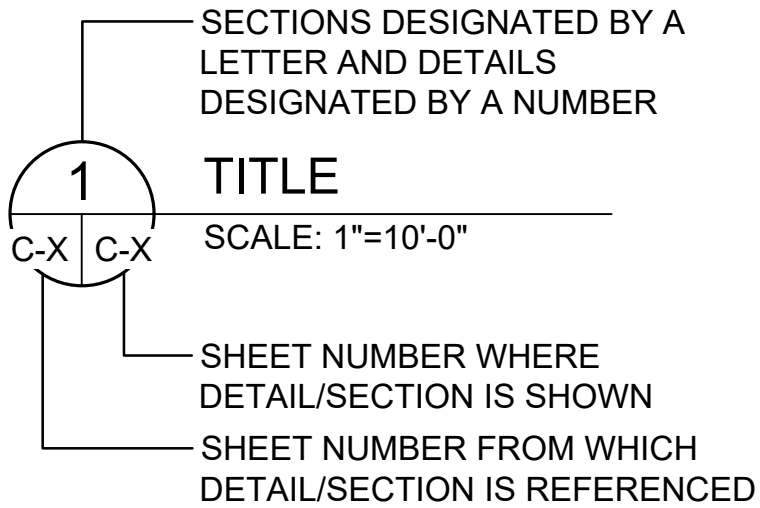


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SHEET NUMBERING SCHEME

ALL SHEETS WILL BE NUMBERED BEGINNING WITH A LETTER FOLLOWED BY A NUMBER AS FOLLOWS:

X-0  
L SEQUENTIAL DRAWING NO.  
DISCIPLINE LETTER KEY  
G - TITLE, GENERAL  
C - CIVIL



ABBREVIATION

AC	ASPHALT CONCRETE	MH	MANHOLE
ADG	AIRPLANE DESIGN GROUP	MIN	MINIMUM
AGG	AGGREGATE	MPH	MILES PER HOUR
AOA	AIRPORT OPERATIONS AREA	N	NORTH
APPROX	APPROXIMATE	NAVAID	NAVIGATIONAL AID
ARFF	AIRPORT RESCUE FIRE FIGHTING	NO	NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NOTAM	NOTICE TO AIRMEN
ATCT	AIRPORT TRAFFIC CONTROL TOWER	NTP	NOTICE TO PROCEED
BL	BASELINE	NTS	NOT TO SCALE
BMP	BEST MANAGEMENT PRACTICE	OC	ON CENTER
CL	CENTER LINE	OD	OUTSIDE DIAMETER
CONC	CONCRETE	OFF	OFFSET
CSO	CONTRACTOR SECURITY OFFICER	PCC	PORTLAND CEMENT CONCRETE
CSPP	CONSTRUCTION SAFETY AND PHASING PLAN	PROP	PROPOSED
CY	CUBIC YARD	QA	QUALITY ASSURANCE
DI	DRAIN INLET	RAD	RADIUS
DIA	DIAMETER	REF	REFERENCE
DOH	DEPARTMENT OF HEALTH	RON	REMAIN OVERNIGHT
DPW	DEPARTMENT OF PUBLIC WORKS	RPR	RESIDENT PROJECT REPRESENTATIVE
DWG	DRAWING(S)	RT	RIGHT
E	EAST	RWY	RUNWAY
EA	EACH	S	SOUTH
ELEC	ELECTRIC	SD	STORM DRAIN
ELEV	ELEVATION	SECT	SECTION
EW	EACH WAY	SF	SQUARE FEET
EX	EXISTING	SIDA	SECURITY IDENTIFICATION DISPLAY AREA
FAA	FEDERAL AVIATION ADMINISTRATION	SPCD	SAFETY PLAN COMPLIANCE DOCUMENT
FG	FINISH GRADE	SPEC	SPECIFICATIONS
FOD	FOREIGN OBJECT DEBRIS	SQ	SQUARE
FPS	FEET PER SECOND	ST	STREET
FT	FEET	STA	STATION
HDOT	HAWAII DEPARTMENT OF TRANSPORTATION	STD, STND	STANDARD
HMA	HOT MIX ASPHALT	SY	SQUARE YARD
HORZ	HORIZONTAL	TEMP	TEMPORARY
HRS	HOURS	TOFA	TAXIWAY OBJECT FREE AREA
INV	INVERT	TSA	TAXIWAY SAFETY AREA
L	LENGTH	TWY	TAXIWAY
LAT	LATITUDE	TXL	TAXILANE
LB	POUND	TYP	TYPICAL
LF	LINEAR FEET	VERT	VERTICAL
LT	LEFT	VSR	VEHICLE SERVICE ROAD
LONG	LONGITUDE	W	WEST
MAX	MAXIMUM	W/	WITH
MBX	METAL BOX	YR	YEAR
		%	PERCENT

GENERAL NOTES

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS DIVISION (HDOT-A), THE FEDERAL AVIATION ADMINISTRATION (FAA) AND OTHER GOVERNING AGENCIES.
- LIQUIDATED DAMAGES, AS STATED IN THE CONTRACT AND CONSTRUCTION DOCUMENTS, SHALL APPLY TO THIS PROJECT.
- THIS PROJECT REQUIRES CONSTRUCTION ON OR NEAR ACTIVE AIRPORT FACILITIES. ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO HDOT-A, AIRPORT OPERATIONS, AND THE FAA.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT THE FAA ASSESSES PENALTIES AND FINES FOR INCURSIONS INTO ANY PART OF THE AIRPORT THAT IS NOT OTHERWISE AUTHORIZED BY THE RESIDENT PROJECT REPRESENTATIVE (RPR) AND AIRPORT OPERATIONS. ALL SUCH PENALTIES AND FINES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE. REPEATED OFFENSES MAY RESULT IN INDIVIDUAL DISBARMENT OF THE CONTRACTOR'S PERSONNEL.
- THE PRIME CONTRACTOR SHALL HAVE A JOB SUPERINTENDENT ON SITE AT ALL TIMES WHILE WORK IS IN PROGRESS.
- ALL PERSONNEL SHALL CLEAR THE CONSTRUCTION AREA AT THE END OF THE WORK SHIFT. ALL MECHANICS NEEDING ACCESS TO THE AOA DURING EVENINGS AND WEEKENDS TO WORK ON CONSTRUCTION EQUIPMENT SHALL BE ESCORTED AND HAVE THEIR VEHICLES IDENTIFIED WITH THE CONTRACTOR'S NAME AND APPROPRIATE LIGHTING.
- MAXIMUM CONSTRUCTION TRAFFIC SPEED ON AIRPORT PROPERTY SHALL BE 15 MPH.
- THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE APPROVED CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). THE CONTRACTOR SHALL PREPARE A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) IN ACCORDANCE WITH FAA ADVISORY CIRCULAR AC-150/5370-2G "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". THE SPCD SHALL DETAIL HOW THE CONTRACTOR WILL COMPLY WITH THE REQUIREMENTS OF THE APPROVED CSPP. THE SPCD SHALL BE APPROVED BY THE RPR PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR'S GENERAL SECURITY AND OPERATIONAL REQUIREMENTS AND RESTRICTIONS

- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE AIRPORT SECURITY PLAN AND WITH THE SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE TO THE CONSTRUCTION MANAGER AND AIRPORT OPERATIONS THE NAME OF ITS "CONTRACTOR SECURITY OFFICER" (CSO). THE CSO SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS FOR THE CONTRACT. CSO SHALL BE ON SITE AT ALL TIMES DURING WORKING HOURS.
- CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE CSO SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON AIRPORT SECURITY REQUIREMENTS AND OTHER SECURITY PROVISIONS. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
- ALL CONTRACTOR PERSONNEL ENTERING THE AOA MUST BE PROPERLY BADGED PER THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR'S CSO WILL BE RESPONSIBLE FOR ALL OPERATIONAL PRECAUTIONS. PRIOR TO THE COMMENCEMENT OF THE WORK THE CSO SHALL PROVIDE THE RPR AND AIRPORT OPERATIONS AN OUTLINE OF A PROPOSED ACCIDENT AND FIRE PROTECTION PLAN FOR ALL WORK CONTEMPLATED UNDER THE CONTRACT AND CONDUCT AT LEAST ONE SAFETY MEETING EACH WEEK FOR EACH SHIFT AND REQUIRE THE ATTENDANCE OF ALL SUPERVISORS AT SUCH MEETINGS. COPIES OF THE MINUTES OF SAFETY MEETINGS SHALL BE KEPT ON FILE IN THE CONTRACTOR'S FIELD OFFICE AND MADE AVAILABLE UPON REQUEST TO THE RPR OR AIRPORT OPERATIONS.

CONTRACTOR ACCESS, STORAGE AREAS, AND HAUL ROUTES

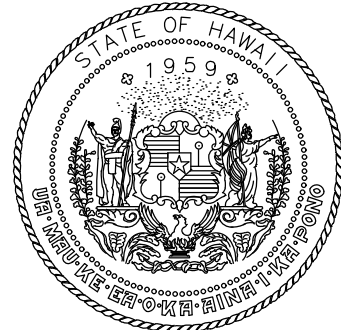
- LOCATION OF HAUL ROUTES AND STAGING AREAS AS SHOWN ON THE CONSTRUCTION PHASING PLANS ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE EXACT LOCATIONS IN THE FIELD WITH THE RPR AND AIRPORT OPERATIONS, AND TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS OR COUNTY ROADS) WITH THE APPROPRIATE OWNER HAVING JURISDICTION. ALL HAUL ROUTES AND STAGING AREAS SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES AND STAGING AREAS SHALL BE JOINTLY INSPECTED AND DOCUMENTED BY THE CONTRACTOR, THE RPR, AND AIRPORT OPERATIONS. THE BEFORE AND AFTER CONDITION OF OFF-SITE HAUL ROUTES SHALL BE JOINTLY INSPECTED BY THE CONTRACTOR AND THE OWNER HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE A VIDEO RECORDING OR DIGITAL PICTURES OF ALL HAUL ROUTES AND STAGING AREAS BEFORE START OF WORK AND UPON COMPLETION. FENCING, DRAINAGE, SEDIMENT CONTROL, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT SHALL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE RPR AND AIRPORT OPERATIONS PRIOR TO THE WORK. ALL ON-SITE ACCESS ROADS TO AIRPORT FACILITIES SHALL REMAIN OPEN AND MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL ONLY USE THE HAUL ROUTES APPROVED BY THE RPR AND AIRPORT OPERATIONS AND AS SHOWN ON THE CONSTRUCTION PHASING PLANS. THE HAUL TRUCKS MUST BE COVERED

AT ALL TIMES. THE CONTRACTOR SHALL CONTINUOUSLY CLEAN THE HAUL ROUTE WITH A POWER VACUUM DURING WORKING HOURS. FOR UNPAVED PORTIONS OF THE HAUL ROUTES, THE CONTRACTOR SHALL IMPLEMENT BMP DUST CONTROL MEASURES AND PRACTICES TO PREVENT AIRBORNE DUST. FAILURE TO MAINTAIN THE HAUL ROUTE IN AN MANNER ACCEPTABLE TO THE RPR AND AIRPORT OPERATIONS WILL RESULT IN SUSPENSION OF WORK. IN THE EVENT THAT ANY FOREIGN OBJECT, SPILLAGE, DEBRIS OR DUST BUILDS UP AS A RESULT OF HAULING, THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND REMOVE THE MATERIAL.

- ALL MATERIALS AND EQUIPMENT, WHEN NOT IN USE, SHALL BE MOVED TO THE CONTRACTOR'S STAGING AREA. ANY OTHER AREAS TO BE USED FOR STORAGE MUST BE APPROVED BY THE RPR AND AIRPORT OPERATIONS. EQUIPMENT AND STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER ACCEPTABLE TO THE RPR AND AIRPORT OPERATIONS.
- THE CONTRACTOR'S ACCESS POINTS TO THE SITE SHALL BE AS SHOWN ON THE CONSTRUCTION PHASING PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AIRPORT SECURITY FOR ALL VEHICLES AND PERSONNEL WHO ENTER AIRPORT PROPERTY.
- ON-SITE EMPLOYEE PARKING SHALL BE ADDRESSED AT THE PRECONSTRUCTION CONFERENCE.
- ALL CONTRACTOR'S VEHICLES SHALL BE IN GOOD WORKING ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING VEHICLE ACCESS TO THE AIRPORT WITH THE RPR AND AIRPORT OPERATIONS.
- ALL CONTRACTOR VEHICLES/EQUIPMENT THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT'S AOA SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE/EQUIPMENT A FLAG/LIGHT FOR DAYTIME AND A LIGHT FOR NIGHTTIME. THE FLAG SHALL BE A 3'x3' (MIN) ORANGE AND WHITE CHECKER BOARD FLAG. EACH CHECKER BOARD COLOR BEING ONE SQUARE FOOT. ANY VEHICLE OPERATING ON THE AOA SHALL ALSO BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME TYPE LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL AND FEDERAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES (DAY OR NIGHT OPERATIONS).
- THE CONTRACTOR SHALL FURNISH ALL ESCORTS, FLAGGERS,TRAFFIC CONTROL DEVICES, AND COMMUNICATION DEVICES SPECIFIED IN THE SPECIAL PROVISIONS AND THE SPECIFICATIONS.
- THE CONTRACTOR'S ESCORTS SHALL CONTINUOUSLY MONITOR RADIO FREQUENCY AS INDICATED IN THE APPROVED CSPP.
- BEFORE STARTING EACH WORK SHIFT, THE CONTRACTOR SHALL SET UP ALL AOA TRAFFIC CONTROL DEVICES AS SHOWN ON THE PHASING PLANS. SET-UP SHALL BE IN THE ORDER REQUIRED BY THE CONTRACT OR AS DIRECTED BY AIRPORT OPERATIONS. THE CONTRACTOR SHALL TAKE DOWN ALL AOA TRAFFIC CONTROL DEVICES IN THE REVERSE ORDER.
- THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO CONSTRUCTION. ANY UNDERGROUND UTILITIES LOCATED WHICH DO NOT APPEAR ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE RPR AND AIRPORT OPERATIONS. ANY DAMAGE TO UTILITIES, CAUSED BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTOR'S SOLE EXPENSE.
- UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONTRACTOR SHALL PROTECT EXISTING AIRFIELD LIGHTING SYSTEMS, FAA NAVAIDS, WEATHER EQUIPMENT, AND OTHER AIRPORT FACILITIES DURING CONSTRUCTION OPERATIONS. ANY DAMAGE TO THESE FACILITIES OR UNDERGROUND CABLES SERVING THESE FACILITIES SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE RPR, AIRPORT OPERATIONS, AND/OR THE FAA. ALL REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE WHETHER PERFORMED BY CONTRACTOR PERSONNEL OR BY OTHERS.
- THE CONTRACTOR SHALL NOTIFY, AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE RPR AND AIRPORT OPERATIONS AND THE OWNER OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE RPR, AIRPORT OPERATIONS, AND THE OPERATOR OF THE UNDERGROUND FACILITY ANY BREAK OR LEAK ON ITS LINES OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE TO SUCH LINES OR THEIR COATING OR CATHODIC PROTECTION, MADE OR DISCOVERED IN THE COURSE OF THEIR EXCAVATION.
- ALL REQUIRED TEMPORARY UTILITIES INCLUDING POWER, WATER, AND SEWER FOR THE CONTRACTOR'S STAGING AREA SHALL BE ARRANGED AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ALL POLES, LINES, PIPES, METERS, ETC. TO BRING THE SERVICE FROM EXISTING SOURCES TO THE AREA. ALL TEMPORARY UTILITY ARRANGEMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE RPR AND AIRPORT OPERATIONS. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL HAVE ALL UTILITIES DISCONNECTED AND SHALL REMOVE ALL POLES, PIPES, METERS, ETC. AND RESTORE THE AREAS TO THEIR PREVIOUS CONDITION.
- FOR ALL ITEMS REQUIRING THE USE OF WATER, THE CONTRACT UNIT PRICE BID FOR THE RESPECTIVE ITEM SHALL INCLUDE THE COST OF FURNISHING THE WATER.
- ANY UTILITIES DAMAGED OR BROKEN BY THE CONTRACTOR SHALL BE REPAIRED AND PUT BACK INTO WORKING ORDER IN A MANNER ACCEPTABLE TO THE OWNER OF THE AFFECTED UTILITY BY THE CONTRACTOR AT ITS EXPENSE.

CONTACT INFORMATION

HAWAII DOT PROJECT MANAGER: HANY SOKAR, 808-838-8848  
AIRPORT MANAGER: CHAUNCEY WONG-YUEN, 808-327-9522



Airports Division  
DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII



I HEREBY CERTIFY THAT THIS WORK  
WAS PREPARED BY ME OR UNDER MY  
SUPERVISION

Signature: [Signature] 4/30/24  
Expiration Date

DSGN.	DRWN.	CHKD.	APPD.
AC	AT	TR	SH

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
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CONSTRUCTION  
DOCUMENTS  
SEPTEMBER 23, 2022  
DATE

PROJECT TITLE :

APRON IMPROVEMENTS

AT  
ELLISON ONIZUKA  
KONA INTERNATIONAL AIRPORT AT KEAHOLE  
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2023-17

SHEET TITLE:

INDEX OF DRAWINGS,  
ABBREVIATIONS, AND  
NOTES

DATE :	DWG. NO.  G-102
09/23/2022	
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