

Y:\PROJECTS\190219-076 DOTA REHAB 2ND 3RD FLR ROADSCADD\SHSHEETS\19-076 CIVIL NOTES.DWG

GENERAL NOTES:

1.

THE CONTRACTOR SHALL COORDINATE THE WORK HOURS AND ACTIVITIES WITH THE CONSTRUCTION MANAGER. THE WORK SHALL BE PERFORMED WITHOUT CONSIDERABLE DISRUPTION TO AIRPORT OPERATIONS OR OTHER ADJACENT TENANTS. SEE SPECIFICATION SECTION 01010 FOR WORKING HOURS.
2.

THE EXISTING TOPOGRAPHY AND LOCATIONS OF EXISTING AIRPORT LAYOUT AS SHOWN ON THE DRAWINGS ARE BASED ON FIELD SURVEY PERFORMED BY CONTROLPOINT SURVEYING, INC. IN APRIL 2021, AND BACKGROUND DRAWINGS PROVIDED BY THE STATE.
3.

PRIOR TO STARTING ANY PAVEMENT REPAIR WORK, THE ENGINEER WILL DETERMINE IF ENVIRONMENTAL CONTROLS ARE NEEDED. NO PAVEMENT REPAIR WORK SHALL COMMENCE UNTIL THE ENGINEER'S WRITTEN AUTHORIZATION TO COMMENCE PAVING WORK IS RECEIVED. THE ENGINEER MAY REQUIRE WORK UNDER ENVIRONMENTAL CONTROLS AT ANY TIME DURING THE PROJECT, EVEN IF IT IS NOT REQUIRED PRIOR TO THE PERFORMANCE OF ANY PAVEMENT REPAIR WORK.
4.

TO ENSURE PUBLIC AND WORKER SAFETY ON THIS PROJECT, THE STATE WILL NOT ALLOW ANY WORK TO COMMENCE UNTIL THE CONTRACTOR'S DETAILED PROJECT WORK SCHEDULE IS APPROVED BY THE STATE PROJECT MANAGER. SAID SCHEDULE SHALL PICTORIALY SHOW THE WORK AREA(S) FOR EACH WORKDAY. THE CONTRACTOR SHALL KEEP ALL PERSONNEL AND EQUIPMENT UNDER ITS JURISDICTION WITHIN THE WORK AREA(S) AND TRAVEL ROUTE(S).
5.

THE CONTRACTOR SHALL STAGE THEIR EQUIPMENT ONLY AT STATE DESIGNATED LOCATIONS AND SHALL COMPLY WITH ALL ASSOCIATED REQUIREMENTS. THE STAGING AREA(S) WILL BE DETERMINED BY THE CONSTRUCTION MANAGER.
6.

THE CONTRACTOR SHALL ONLY ENTER AND EXIT THE WORK AREA(S) THROUGH STATE ASSIGNED GATES.
7.

THE CONTRACTOR SHALL CLEAN UP MATERIAL SPILLS AT THE END OF EACH WORK DAY AND/OR WHENEVER THEY OCCUR AND SHALL ONLY DISCARD EXCESS ASPHALT CONCRETE AT AREAS DESIGNATED BY THE STATE.
8.

THE CONSTRUCTION STAGING AND MATERIAL STOCKPILING AREAS WILL BE DETERMINED BY THE CONSTRUCTION MANAGER.
9.

THE CONTRACTOR SHALL HAVE AT LEAST TWO (2) PEOPLE ON THE PROJECT SITE POSSESSING AND CONTINUOUSLY MONITORING THE FOLLOWING FULLY CHARGED COMMUNICATION DEVICES:

1.

A TWO-WAY RADIO CAPABLE OF COMMUNICATING ON HONOLULU AIR TOWER FREQUENCY; AND

2.

A CELLULAR TELEPHONE, WITH A LISTING OF ALL REQUIRED EMERGENCY CONTACT NUMBERS.
10.

THE CONTRACTOR SHALL BE RESPONSIBLE IN PREVENTING WATER AND CONSTRUCTION WASTE AND DEBRIS FROM ENTERING SPACES BELOW THE AREA OF WORK DURING WEATHER EVENTS AND NORMAL CONSTRUCTION OPERATIONS.

ENVIRONMENTAL NOTES:

1.

IN ACCORDANCE WITH CHAPTER 11-60.1, AIR POLLUTION CONTROL, TITLE 11, STATE ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EFFECTIVE CONTROL MEASURES ARE PROVIDED TO MINIMIZE OR PREVENT ANY VISIBLE DUST EMISSION CAUSED BY THE CONSTRUCTION WORK FROM IMPACTING THE SURROUNDING AREAS INCLUDING THE OFF-SITE ROADWAYS USED TO ENTER/EXIT THE PROJECT. THESE MEASURES INCLUDE BUT ARE NOT LIMITED TO THE USE OF WATER WAGONS, SPRINKLER SYSTEMS, DUST FENCES, ETC.
2.

IN ACCORDANCE WITH CHAPTER 11-55, WATER POLLUTION CONTROL AND CHAPTER 11-54, WATER QUALITY STANDARDS, TITLE 11, STATE ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE BEST MANAGEMENT PRACTICE (BMP) TO MINIMIZE OR PREVENT THE DISCHARGE OF SEDIMENTS, DEBRIS AND OTHER WATER POLLUTANT INTO STATE WATERS IS PROVIDED AT ALL TIMES.
3.

IN ACCORDANCE WITH CHAPTER 11-58, SOLID WASTE MANAGEMENT CONTROL, TITLE 11, STATE ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT GRUB MATERIAL, DEMOLITION WASTE AND CONSTRUCTION WASTE GENERATED BY THE PROJECT ARE DISPOSED OF IN A MANNER OR AT A SITE APPROVED BY THE STATE DEPARTMENT OF HEALTH. DISPOSAL OF ANY OF THESE WASTES BY BURNING IS PROHIBITED.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL APPLICABLE PERMITS FROM THE DEPARTMENT OF HEALTH INCLUDING BUT NOT LIMITED TO NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), NOTICE OF INTENT AND GENERAL PERMIT FOR STORM WATER, HYDROSTATIC TEST AND DEWATERING DISCHARGES PRIOR TO COMMENCING CONSTRUCTION. NPDES PERMIT SHALL BE REQUIRED PRIOR TO GRADING OR GRUBBING WORK OVER AN AREA OF ONE ACRE OR MORE.
5.

THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM THIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS. THE COST INCURRED FOR ANY NECESSARY REMEDIAL ACTION BY THE COUNTY ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
6.

BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE EMPLOYED AT ALL TIMES TO THE MAXIMUM EXTENT PRACTICABLE TO PREVENT DAMAGE BY SEDIMENTATION, EROSION OR DUST TO STREAMS, WATERCOURSES, NATURAL AREAS AND THE PROPERTY OF OTHERS.
7.

THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS FOR ALL PROJECTS WHICH WILL DISTURB ONE (1) ACRE OR MORE OF LAND. THE CONTRACTOR SHALL NOT START CONSTRUCTION UNTIL NOTICE OF GENERAL PERMIT COVERAGE (NGPC) IS RECEIVED FROM THE DEPARTMENT OF HEALTH, STATE OF HAWAI'I AND HAS SATISFIED ANY OTHER APPLICABLE REQUIREMENTS OF THE NPDES PERMIT PROGRAM.

AC PAVEMENT NOTES:

1.

THE CONTRACTOR SHALL COMPLETELY REPLACE PAVEMENT REMOVED BEFORE THE END OF EACH WORKDAY, INCLUDING CLEAN ALL WORK AREAS.
2.

TO ENSURE THAT NO COMMERCIAL AIRCRAFT SERVING THE PUBLIC IS DAMAGED BY FOREIGN OBJECT DEBRIS; THE CONTRACTOR SHALL KEEP THE WORK AREAS, AOA TRAVEL ROUTE, AND ALL ADJACENT AREAS CLEAN AT ALL TIMES BY CONTINUOUSLY OPERATING A POWER BROOM AND AT LEAST TWO VACUUM SWEEPERS. IF THESE AREAS ARE NOT PROPERLY CLEANED, THE CONSTRUCTION MANAGER OR AIRPORT MANAGER MAY REQUIRE REMEDIAL CLEANING AS STATED IN THE TECHNICAL PROVISIONS.
3.

THE CONTRACTOR SHALL SCHEDULE THEIR WORK TO COMPLETE FULL PAVING WIDTH WITHIN EACH WORK AREA TO PRODUCE HOT LONGITUDINAL JOINTS.

AC PAVEMENT NOTES (CONT.):

4.

SAW CUTTING OPERATIONS MAY BE CONTINUOUS, EXCEPT WHEN PERFORMING WORK ON THE TEST SECTION. SAW CUT SHALL BE STRAIGHT, VERTICAL, AND TO A MINIMUM DEPTH OF THREE (3) INCHES. TACK COAT SHALL BE APPLIED TO SAWED CUT FACE PER TECHNICAL SPECIFICATION SECTION 02563.
5.

THE CONTRACTOR SHALL CHIP EXCAVATION CORNERS STRAIGHT AND VERTICAL.
6.

THE CONTRACTOR IS FULLY RESPONSIBLE TO ENSURE THAT ALL EXPOSED SURFACES TO RECEIVE NEW ASPHALT CONCRETE ARE FREE FROM DUST, DEBRIS, AND POTENTIAL SLIP PLANES.

PAINTING NOTES:

1.

BEFORE THE END OF EACH WORKDAY, THE CONTRACTOR SHALL PAINT EITHER TEMPORARY OR PERMANENT PAVEMENT MARKINGS, AS DIRECTED BY THE CONSTRUCTION MANAGER, WITHIN THE WORK AREA WHERE THE ORIGINAL PAVEMENT MARKINGS WERE REMOVED DUE TO THE PAVEMENT REPAIRS.
2.

ALL PAVEMENT MARKINGS TO BE PAINTED ACCORDING TO THE CONTRACT SHALL BE LAID OUT BY A LICENSED SURVEYOR WITH SUFFICIENT REFERENCE POINTS. DETAILS FOR NEW PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH FAA ADVISORY CIRCULAR (AC) 150/5340-1L, "STANDARDS FOR AIRPORT MARKING".
3.

THE CONTRACTOR SHALL NOT DISCARD ANY EXCESS PAINT ON EXISTING PAVEMENT MARKINGS, INCLUDING PERFORMING TEST SPRAYS ON THE EXISTING MARKINGS, SPRAYING EXISTING MARKINGS TO CLEAN PAINT GUNS, AND PAINTING ADDED MARKING TO AVOID REQUIRED PAINT CLEAN UP. THE CONTRACTOR SHALL POSSESS TRAPS FOR EXCESS SPRAYING AND TEST SPRAY, AND A WATERPROOF CONTAINER TO CAPTURE AND HOLD ALL PAINTING WASH WATER. ALL WASH WATER SHALL BE PROPERLY HAULED AND DISPOSED OFF THE AIRPORT DAILY.
4.

UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER, ALL PAVEMENT MARKING TO BE REMOVED ON THIS PROJECT, WILL BE REMOVED BY PAVEMENT REMOVAL OR PAVEMENT SCARIFICATION WITH COLD MILLING.
5.

THE CONTRACTOR SHALL PERFORM THEIR CONTRACTED PAINTING WORK ON THE ASPHALT CONCRETE TEST SECTION(S), AND THE PAINTED PAVEMENT MARKING SPECIMENS WILL BE EVALUATED BY THE ENGINEER FOR CONFORMANCE TO THE CONTRACT REQUIREMENTS. NONCONFORMING PAINTING WORK WILL NOT BE ACCEPTED BY THE CONSTRUCTION MANAGER, AND THE TEST SECTION(S) WILL NOT BE ACCEPTED UNTIL PAINTING WORK CONFORMS TO THE CONTRACT REQUIREMENTS.

WATER POLLUTION/EROSION CONTROL NOTES:

1.

GENERAL:

1.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE DOTA'S CONSTRUCTION ACTIVITIES BMP FIELD MANUAL, DATED AUGUST 2018.

2.

THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED SWPPP AND BMP PLAN ON THE PROJECT SITE. THE BMP PLAN SHALL BE UPDATED TO REFLECT ANY CHANGES MADE DURING CONSTRUCTION FOR THE DURATION OF THE PROJECT AND MUST BE APPROVED BY THE DULY AUTHORIZED REPRESENTATIVE.

3.

THE STATE MAY ASSESS LIQUIDATED DAMAGES OF UP TO \$27,500 FOR NON-COMPLIANCE OF EACH BMP REQUIREMENT AND EACH REQUIREMENT STATED IN SECTION 209, FOR EVERY DAY OF NON-COMPLIANCE. THERE IS NO MAXIMUM LIMIT ON THE AMOUNT ASSESSED PER DAY.

4.

THE STATE MAY DEDUCT THE COST FROM THE PROGRESS PAYMENT FOR ALL CITATIONS RECEIVED BY THE DEPARTMENT FOR NON COMPLIANCE, OR THE CONTRACTOR SHALL REIMBURSE THE STATE, AND/OR COUNTY FOR THE FULL AMOUNT OF THE OUTSTANDING COST INCURRED BY THE STATE, WHICHEVER IS GREATER.
2.

WASTE DISPOSAL:

1.

WASTE MATERIALS: ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER THAT DOES NOT LEAK. THE DUMPSTER SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF TWICE (2) PER WEEK OR AS OFTEN AS IS DEEMED NECESSARY. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ONSITE. THE CONTRACTOR'S SUPERVISORY PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES SHALL BE POSTED IN THE OFFICE TRAILER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

2.

HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. THE CONTRACTOR'S SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES AND SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

3.

SANITARY WASTE: ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK, OR AS REQUIRED.
3.

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

1.

ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS FOLLOWING ANY RAINFALL EVENT OF 0.5 INCHES OR GREATER.

2.

ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. IF REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS AFTER THE INSPECTION.

3.

BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

4.

THE CONTRACTOR SHALL SUBMIT THE CONSTRUCTION MANAGER A MAINTENANCE INSPECTION REPORT PROMPTLY AFTER EACH WEEKLY INSPECTION.

5.

THE CONTRACTOR SHALL SELECT A MINIMUM OF THREE PERSONNEL WHO SHALL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

6.

PERSONNEL SELECTED FOR THE INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE CONTRACTOR. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.
- WATER POLLUTION/EROSION CONTROL NOTES (CONT.):
- GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:
- MATERIALS POLLUTION PREVENTION PLAN:
- A.

APPLICABLE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION. OTHER MATERIALS AND SUBSTANCES NOT LISTED BELOW SHALL BE ADDED TO THE INVENTORY OF THE CONSTRUCTION CONTRACTOR'S SITE-SPECIFIC BMP PLAN.

CONCRETE  
DETERGENTS  
PAINTS (ENAMEL AND LATEX)  
METAL STUDS  
TAR

PETROLEUM BASED PRODUCTS  
CLEANING SOLVENTS  
WOOD  
MASONRY BLOCK

B.

MATERIAL MANAGEMENT PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCTS AS IS REQUIRED TO DO THE JOB.

C.

ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE UNDER A ROOF OR OTHER ENCLOSURE.

D.

PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

E.

SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

F.

A PRODUCT SHALL BE USED UP COMPLETELY BEFORE DISPOSING OF THE CONTAINER.

G.

MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.

H.

THE CONTRACTOR SHALL CONDUCT A DAILY INSPECTION TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.
- HAZARDOUS MATERIAL POLLUTION PREVENTION PLAN:
- A.

PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

B.

ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE RETAINED AND MADE AVAILABLE TO THE ENGINEER UPON REQUEST.

C.

SURPLUS PRODUCTS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR LOCAL AND STATE RECOMMENDED ACTIONS.
- ONSITE AND OFFSITE PRODUCTS SPECIFIC PLANS:
- A.

THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ONSITE:

1.

PETROLEUM BASED PRODUCTS: ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.
- DISABILITY AND COMMUNICATION ACCESS BOARD (DCAB) REQUIREMENTS:
- THIS PROJECT SHALL MEET THE ACCESSIBILITY REQUIREMENTS OF HAWAII REVISED STATUES (HRS) 103-50 AND THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN SECTIONS 201.3 AND 206.
- PUBLIC HEALTH, SAFETY & CONVENIENCE NOTES:
1.

THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, 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 IN CONFORMANCE WITH THE AIR POLLUTION STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. THE CITY MAY 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.

4.

THE CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS IN THE SPECS FOR NOISE POLLUTION CONTROL.
- 
- Airports Division  
DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII
- 
- THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
- Gregg H. Kuwahara*
- 04/30/2024
- SIGNATURE EXPIRATION DATE OF THE LICENSE
- | DSGN. | DRWN. | CHKD. | APPD. |
|-------|-------|-------|-------|
| GK    | BA/EF | GK    | CJ    |
- KEY PLAN / NOTES:
- | NO. | DATE | REVISIONS |
|-----|------|-----------|
|-----|------|-----------|
- CONSTRUCTION DOCUMENTS
- SEPTEMBER, 2022
- DATE
- PROJECT TITLE :
- EWA AND DH CONCOURSE ROADWAY IMPROVEMENTS PHASE 1
- AT  
DANIEL K. INOUE INTERNATIONAL AIRPORT  
HONOLULU, OAHU, HAWAII
- PROJECT NO.:
- AO1043-32
- SHEET TITLE:
- CIVIL NOTES
- DATE :
- SEPTEMBER, 2022
- SHEET :
- 4 OF 247 SHEETS
- DWG. NO.
- C-001