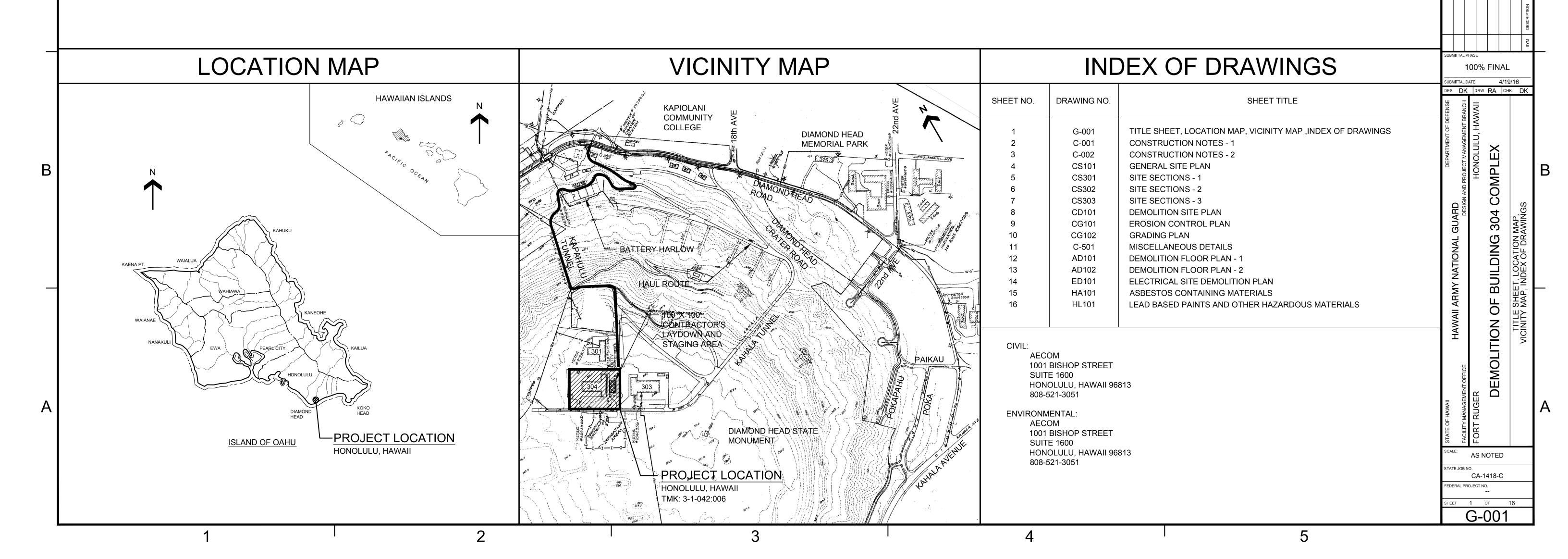
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# STATE OF HAWAII DEPARTMENT OF DEFENSE HAWAII ARMY NATIONAL GUARD

## DEMOLITION OF BUILDING 304 COMPLEX

FORT RUGER, HONOLULU, HAWAII

JOB NO. CA-1418-C, PN15140035



- 1. ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1986, AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1984, AS AMENDED, OF THE DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU AND THE COUNTIES OF KAUAI, MAUI AND HAWAII.
- 2. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED.
- 3. NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW INTO EXISTING DRAINAGE SYSTEMS, OR ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
- 4. 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, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS." AND TITLE 11. CHAPTER 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.
- 5. ALL EXISTING IMPROVEMENTS THAT ARE NOT PLANNED TO BE DEMOLISHED AND ARE DISTURBED DURING THE CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
- 6. DURING CONSTRUCTION ACTIVITIES, THERE IS THE REMOTE POSSIBILITY OF ENCOUNTERING UNKNOWN OR UNEXPECTED HISTORICAL, CULTURAL OR ARCHAEOLOGICAL FEATURES, DEPOSITS (E.G. ARTIFACTS, SHELL OR CHARCOAL), OR BURIALS. SHOULD SUCH A DISCOVERY BE MADE, IMMEDIATELY SUSPEND WORK IN THE AREA LEAVING THE SITE UNDISTURBED AND PROTECTED FROM FURTHER DAMAGE NOTIFY THE ENGINEER AND STATE HISTORIC PRESERVATION DIVISION (SHPD) DLNR AT (808)692-8015. SHPD WILL ASSESS THE SIGNIFICANCE OF THE FIND AND RECOMMEND AN APPROPRIATE MITIGATION MEASURE IF NECESSARY. REFER TO GENERAL CONDITIONS SECTION 7.18.
- 7. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE (1) SET OF APPROVED PLANS AT THE PROJECT SITE DURING THE CONSTRUCTION. THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER FOR CLARIFICATION.
- 8. WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT ALTHOUGH NOT SPECIFICALLY REFERRED TO ON THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED BY THE CONTRACTOR.
- 9. IN PERFORMING ALL WORK, THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION NECESSARY TO AVOID ANY DAMAGE INFLICTED TO AND IMPAIRMENT IN THE USE OF ANY EXISTING UTILITY LINE. ANY DAMAGE INFLICTED ON EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR RESTORED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 10. THE CONTRACTOR AGREES THAT HE 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 ENGINEER OF RECORD 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 OR ENGINEER.
- 11. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM RUBBISH, DUST, NOISE, EROSION, ETC. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
- 12. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL OR BETTER CONDITION, ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES. WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL. DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL AND INCLUDED IN THE CONTRACT PRICE.
- 13. LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM LATEST RELIABLE SOURCES AND ARE APPROXIMATE ONLY.
- 14. ALL EXISTING UTILITIES TO REMAIN IN USE, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED. ANY DAMAGES TO EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
- 15. THE CONTRACTOR SHALL INSURE THAT A MINIMUM 36" WIDTH ACCESSIBLE ROUTE BE MAINTAINED FOR ALL SIDEWALK AREAS. SLOPES SHALL NOT EXCEED 1:20. CROSS SLOPES SHALL NOT EXCEED 1:50. CHANGES IN LEVELS SHALL NOT EXCEED 1/2" VERTICAL. CHANGES IN LEVEL FROM 1/4" TO 1/2" MUST BE BEVELED 1:2. LEVEL CHANGES GREATER THAN ½" SHALL BE RAMPED 1:12.

#### **GRADING NOTES**

- 1. ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH CHAPTER 14, ARTICLES 13, 14, 15 AND 16 AS RELATED TO GRADING, SOIL EROSION AND SEDIMENT CONTROL OF THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED.
- 2. NO CONTRACTOR SHALL PERFORM ANY GRADING OPERATION 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 CONTRACTOR SHALL IMMEDIATELY MAKE ALL REMEDIAL ACTIONS NECESSARY.
- 3. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES. TITLE 11. CHAPTER 60.1. "AIR POLLUTION CONTROL."
- 4. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTIONS OF NEW UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
- 5. ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SURFACE WATERS FROM DAMAGING THE CUT FACE OF AN EXCAVATION OR THE SLOPED SURFACES OF A FILL. FURTHERMORE, ADEQUATE PROVISIONS SHALL BE MADE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE SITE.
- 6. ALL SLOPES AND EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS FINAL GRADES HAVE BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL GRADING WORK HAS BEEN COMPLETED. GRADING TO FINAL GRADE SHALL BE CONTINUOUS AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED. SHALL BE PLANTED.
- 7. FILLS ON SLOPES STEEPER THAN 5:1 SHALL BE KEYED.
- 8. THE LIMITS OF THE AREA TO BE GRADED SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- 9. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 55, "WATER POLLUTION CONTROL" AND TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS" AND IF APPLICABLE, THE NPDES PERMIT FOR THE PROJECT.
- 10. WHERE APPLICABLE AND FEASIBLE THE MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTH MOVING PHASE OF THE GRADING IS INITIATED.
- 11. TEMPORARY EROSION CONTROLS SHALL NOT BE REMOVED BEFORE PERMANENT EROSION CONTROLS ARE IN-PLACE AND ESTABLISHED.
- 12. TEMPORARY EROSION CONTROL PROCEDURES SHALL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND PERMITTING, CITY AND COUNTY OF HONOLULU FOR APPROVAL PRIOR TO APPLICATION FOR GRADING PERMIT.
- 13. IF THE GRADING WORK INVOLVES CONTAMINATED SOIL, THEN ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS.
- 14. ALL GRADING AND CONSTRUCTION WORK SHALL IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE WILL BE REDUCED TO THE MAXIMUM EXTENT PRACTICABLE AND WILL NOT CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF WATER QUALITY STANDARDS.
- 15. NON-COMPLIANCE TO ANY OF THE ABOVE REQUIREMENTS SHALL MEAN IMMEDIATE SUSPENSION OF ALL WORK, AND REMEDIAL WORK SHOULD COMMENCE IMMEDIATELY. ALL COSTS INCURRED SHALL BE BILLED TO THE VIOLATOR. FURTHERMORE. VIOLATORS SHALL BE SUBJECTED TO ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES.
- 16. REFER TO GENERAL SITE PLAN SHEET CS101 FOR BENCHMARK. AZIMUTHS ARE MEASURED CLOCKWISE FROM ZERO DEGREES DUE SOUTH.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE STATE.

#### 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 AREA AND SURROUNDING AREA FREE FROM RUBBISH, DUST, NOISE, EROSION, ETC. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH. THE CITY SHALL REQUIRE SUPPLEMENTARY MEASURES. IF REQUIRED.
- 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'S ATTENTION IS DIRECTED TO CHAPTER 44B PUBLIC HEALTH REGULATIONS DEPARTMENT OF HEALTH, STATE OF HAWAII "COMMUNITY NOISE CONTROL FOR OAHU" IN WHICH MAXIMUM ALLOWABLE NOISE LEVELS HAVE BEEN SET IF THE CONSTRUCTION ACTIVITIES FOR THIS PROJECT WILL EXCEED THE ALLOWABLE NOISE LEVELS, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A PERMIT FROM THE DIRECTOR OF THE DEPARTMENT OF PUBLIC HEALTH. THE CONTRACTOR SHALL OBTAIN A COPY OF CHAPTER 44B AND BECOME FAMILIAR WITH THE NOISE LEVEL RESTRICTIONS AND THE PROCEDURES FOR OBTAINING A PERMIT FOR CONSTRUCTION ACTIVITIES.

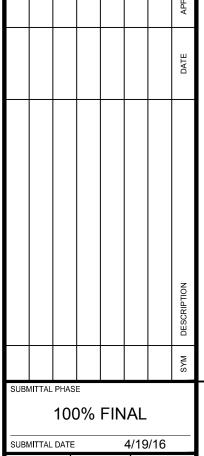
#### TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL CONTROL VEHICLE/PEDESTRIAN TRAFFIC DURING HAULING, E.G., THROUGH THE TUNNEL AND INTERSECTIONS BY PROVIDING FLAGGERS AND/OR POLICE OFFICERS.
- 2. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN THE DIRECT COMMUNICATION AT ALL TIMES.









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#### SEWER NOTES (PRIVATE): **WATER NOTES: BEST MANAGEMENT PRACTICES:** ALL SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY'S 1. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION OF WATER STANDARD SPECIFICATIONS, SEPTEMBER 1986, THE DEPARTMENT OF PUBLIC WORKS SYSTEM FACILITIES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CITY STANDARD DETAILS, SEPTEMBER 1984, CURRENT CITY PRACTICES AND REVISED AND COUNTY OF HONOLULU BOARD OF WATER SUPPLY'S "WATER SYSTEM ORDINANCES OF HONOLULU, 1990 AS AMENDED, AND THE DESIGN STANDARDS OF THE STANDARDS", DATED 2002, THE "WATER SYSTEM EXTERNAL CORROSION CONTROL

DEPARTMENT OF WASTEWATER MANAGEMENT VOLUME 1, JULY 1993. STANDARDS", VOLUME 3, DATED 1991, AND ALL SUBSEQUENT AMENDMENTS AND ADDITIONS.

2. TEST PRESSURE SHALL BE 150 POUNDS PER SQUARE INCH (PSI) DURING THE

30-MINUTE PRESSURE TEST, THE PRESSURE SHALL NOT DROP MORE THAN 10 PSI.

LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE ESPECIALLY CAREFUL

WHEN EXCAVATING BEHIND WATER LINES, TEES, AND BENDS WHEREVER THERE IS A

POSSIBILITY OF WATER LINE MOVEMENT DUE TO THE REMOVAL OF THE SUPPORTING

EARTH BEYOND THE EXISTING REACTION BLOCKS. THE CONTRACTOR SHALL TAKE

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL WATER

WHATEVER MEASURE NECESSARY TO PROTECT THE WATER LINES, SUCH AS

CONSTRUCTING SPECIAL REACTION BLOCKS (WITH BWS APPROVAL) AND/OR

SHOWN ON THE PLANS ARE FROM THE LATEST AVAILABLE DATA BUT IS NOT

PAY FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOT

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS WATER

ASSUME THAT WHERE NO UTILITIES ARE SHOWN. THAT NONE EXIST.

SERVICE TO ALL AFFECTED AREAS DURING CONSTRUCTION.

4. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES AS

GUARANTEED AS TO THE ACCURACY OR THE ENCOUNTERING OF OTHER OBSTACLES

DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE AND

MODIFYING HIS CONSTRUCTION METHOD.

- 2. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS RESEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES, INCLUDING AND AFFECTING SEWER LINES, IN THE PRESENCE OF THE WASTEWATER INSPECTOR AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL PAY FOR ALL DAMAGED UTILITIES.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SEWER SERVICE TO ALL AFFECTED AREAS DURING CONSTRUCTION.

#### TOPOGRAPHIC SURVEY NOTES:

- 1. COORDINATES ARE ASSUMED AND REFERRED TO CITY & COUNTY OF HONOLULU STREET MONUMENT MON-1. AZIMUTHS ARE REFERRED TO TRUE SOUTH.
- 2. OWNERS OF ADJOINING LANDS AS SHOWN ON MAP ARE FROM AVAILABLE RECORDS FILED AT THE REAL PROPERTY TAX MAPPING BRANCH.
- MAP IS COMPILED FROM RECORDS FOUND AT THE STATE SURVEY OFFICE, REAL PROPERTY TAX MAPPING BRANCH AND BUREAU OF CONVEYANCES. RECORDED DATA HAS NOT BEEN VERIFIED BY AN ACTUAL SURVEY ON THE GROUND.
- 4. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKE NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- 5. ELEVATIONS ARE REFERRED TO USCGS B-12 1969 LOCAL TIDAL (MEAN SEA LEVEL). CONTOUR INTERVAL=2'.
- 6. DATE OF SURVEY: 06/09/09. REVISION DATE: 06/30/09, 07/13/09, 03/03/15, 05/15/15

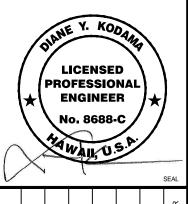
### LEGEND:

AC	ASPHALTIC CONCRETE	ICV	IRRIGATION CONTROL
BC	BOTTOM CURB	Inv.=	VALVE
BFP	BACKFLOW PREVENTER	LP	INVERT=
BW	BOTTOM WALL	Mon.	LIGHT POLE
CLF	CHAIN LINK FENCE	O/H	MONUMENT
CO	SEWER CLEANOUT	Pav't	OVERHEAD LINE
Conc.	CONCRETE	PP	PAVEMENT
CRM	CONCRETE ROCK MASONRY	RCP	POWER POLE
D=	APPROXIMATE DIAMETER	S=	REINFORCED CONCRETE
DI	DRAIN INLET	SDMH	PIPE APPROXIMATE SIZE
EMH	ELECTRIC MANHOLE	SMH	STORM DRAIN MANHOLE
EPB	ELECTRIC PULLBOX	SPR.	SEWER MANHOLE
FH	FIRE HYDRANT	TC	SPRINKLER HEAD
GP	GATE POST	TMK	TOP CURB
Guy	GUY WIRE ANCHOR	TP	TAX MAP KEY
H=	APPROXIMATE HEIGHT	TW	TELEPHONE POLE
HB	HOSE BIBB	WM	TOP WALL
IB	IRRIGATION CONTROL BOX	WV	WATER METER
			WATER VALVE

- 1. THE CONTRACTOR SHALL INSTALL TEMPORARY CATCH BASIN AND DRAIN INLET FILTERS SHOWN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK. THE CONTRACTOR SHALL REMOVE SEDIMENT FILTERS DURING AN EVENT OF ABOVE NORMAL RAINFALL AND SHALL REPLACE THE FILTERS AFTER THE EVENT HAS PASSED.
- 2. THE CONTRACTOR SHALL COORDINATE HIS STAGING AREA WITH ENGINEER. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION INGRESS/EGRESS TO HIS STAGING AREA CONSISTING OF AN 8"-THICK 3" TO 6" COURSE AGGREGATE OR LARGER (7" MAXIMUM) AND OF 30' X 50' DIMENSIONS AND ADEQUATE TO CONTROL EROSION AND EARTH DISPLACEMENT NUISANCE AT ADJOINING AREAS.
- MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTHWORK IS INITIATED.
- 4. EXPOSED TRENCHED AREAS SHALL BE PROTECTED FROM RUNOFF AND WIND EROSION WITH STEEL PLATE COVERS UNTIL REPAVING CAN BE ACCOMPLISHED. EXPOSED AREAS SHALL BE SODDED OR PLANTED AS SOON AS BACKFILL HAS BEEN ESTABLISHED. PLANTING SHALL NOT BE DELAYED UNTIL ALL BACKFILLING HAS BEEN COMPLETED. BACKFILLING SHALL BE CONTINUOUS AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED.
- TEMPORARY CATCH BASIN FILTERS SHALL BE MONITORED PERIODICALLY AND AFTER EVERY SIGNIFICANT RAINFALL FOR STRUCTURAL INTEGRITY AND SEDIMENT BUILD-UP. DAMAGED OR IMPROPERLY FUNCTIONING FILTERS SHALL BE REPLACED (PAID FOR BY THE CONTRACTOR) AND SEDIMENT/DEBRIS ACCUMULATION SHALL BE REMOVED. AT THE END OF EARTHWORK OPERATIONS AND AT THE COMPLETION OF PROJECT, EXISTING CBs AND DMHs SURROUNDING THE PROJECT SITE SHALL BE INSPECTED AND ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE DRAIN STRUCTURES SHALL BE REMOVED. FLUSHING INTO THE CBs AND DMHs ARE PROHIBITED.
- 6. ALL BEST MANAGEMENT PRACTICES (BMPs) SHALL NOT BE REMOVED UNTIL THE ENTIRE PROJECT IS COMPLETE.
- 7. WASHING DOWN OF CONSTRUCTION EQUIPMENT AND VEHICLES AND FROM CONCRETE TRUCK DRUMS AT SITE IS PROHIBITED. WASHWATER FROM WASH-DOWNS SHALL NOT BE DISCHARGED INTO DRAINAGE SYSTEMS NOR STATE WATERS.
- SHOULD THE CONTRACTOR CHOOSE TO HAVE AN ON-SITE MAINTENANCE/STORAGE/STOCKPILE AREA, THE CONTRACTOR SHALL INSTALL PROPER SECONDARY CONTAINMENT STRUCTURES, SUCH AS, SILT FENCES AROUND THE DESIGNATED AREA TO PREVENT STORMWATER CARRYING CONTAMINANTS INTO DRAINAGE SYSTEMS AND STATE WATERS. THE RAINWATER ACCUMULATED WITHIN THE DESIGNATED AREA SHALL BE NATURALLY EVAPORATED OR INFILTRATED INTO THE GROUND.
- 9. THE CONTRACTOR SHALL PROVIDE REQUIRED INFORMATION TO THE STATE DEPARTMENT OF HEALTH AS STATED IN THE APPENDIX OF NPDES GENERAL PERMIT APPLICATION FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY WITHIN THIRTY (30) DAYS BEFORE THE COMMENCEMENT OF CONSTRUCTION.
- 10. AT THE CONCLUSION OF ALL PROJECT WORK, ALL BEST MANAGEMENT PRACTICES SHALL BE REMOVED AND THE AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION, OR BETTER, UPON ACCEPTANCE OF THE PROJECT BY THE ENGINEER.
- 11. AT THE END OF GRADING OPERATIONS AND AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL INSPECT ALL CATCH BASIN, DRAIN INLET AND DRAIN MANHOLE SURROUNDING THE PROJECT SITE. ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE STROM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES ARE PROHIBITED.
- 12. THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.
- 13. SLOPE AND EXPOSED AREAS SHALL BE WATERED. MULCHED. SODDED OR PLANTED AS SOON AS BACKFILL HAS BEEN ESTABLISHED TO PREVENT DUST, EROSION AND SEDIMENTATION. PLANTING SHALL NOT BE DELAYED UNTIL ALL BACKFILLING AND FINAL GRADING HAS BEEN COMPLETED. BACKFILLING SHALL BE CONTINUOUS AND ANY AREA WITHIN WHICH WORK HAS BEEN INTERRUPTED OR DELAYED SHALL BE PLANTED. UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS OR PROPOSAL, PAYMENT FOR PLANTING OR GRASSING REQUIRED UNDER THIS ITEM (OTHER THAN THAT SPECIFIED FOR LANDSCAPING) SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO AND INCLUDED IN THE PRICE BID FOR EROSION CONTROL.
- 14. 14. ANY DIRT OR GRASSED AREA DISTURBED SHALL BE RESTORED BY SEEDED HYDROMULCH. THE AREA MUST BE FULLY ESTABLISHED AT COMPLETION OF PROJECT.
- 15. 15. THE CONTRACTOR AT HIS OWN EXPENSE SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL TITLE 11, CHAPTER 60.1 "AIR POLLUTION CONTROL."
- 16. 16. ALL STORM DRAIN INLETS ON SITE, AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE SHALL USE INLET PROTECTION. THE CONTRACTOR SHALL INSTALL INLET PROTECTION BEFORE ANY EARTHWORK IS INITIATED.
- 17. 17. THE CONTRACTOR SHALL KEEP EXISTING AND NEW DRIVEWAYS FREE FROM SILT.
- 18. THE CONTRACTOR SHALL INSPECT SILT FENCES ON A WEEKLY BASIS AND WITHIN 24 HOURS OF RAINFALL EQUALING 0.5 INCHES OR GREATER, REPAIRING THE FENCES WHENEVER THEY ARE DAMAGED AND REMOVING SILT WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE FENCE.
- 19. 19. THE CONTRACTOR SHALL INSPECT ALL CATCH BASINS/DRAIN INLET PROTECTION MEASURES ON A WEEKLY BASIS AND WITHIN 24 HOURS OF RAINFALL EQUALING 0.5 INCHES OR GREATER, REPAIRING AS NEEDED AND REMOVING SILT WHEN IT REACHES ONE-HALF THE DEPTH OF THE FILTER.
- 20. 20. THE CONTRACTOR SHALL INSPECT ALL COMPOST FILTER SOCKS ON A WEEKLY BASIS AND WITHIN 24 HOURS OF RAINFALL EQUALING 0.5 INCHES OR GREATER. SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. COMPOST FILTER SOCKS SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE COMPOST FILTER SOCK IS REDUCED.
- 21. ALL FUELS AND HAZARDOUS SUBSTANCES SHALL BE STORED IN SECONDARY CONTAINMENT
- 22. SPILL KIT SHALL BE STAGED ON SITE AT ALL TIMES.
- 23. THE CONTRACTOR SHALL NOTIFY THE STATE DOH, CLEAN WATER BRANCE SEVEN (7) DAYS PRIOR TO SITE DISTURBING ACTIVITIES.







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