

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD

# DEMOLITION OF BUILDING 301

FORT RUGER, HONOLULU, HAWAII

JOB NO. CA-1418-C, PN15140034



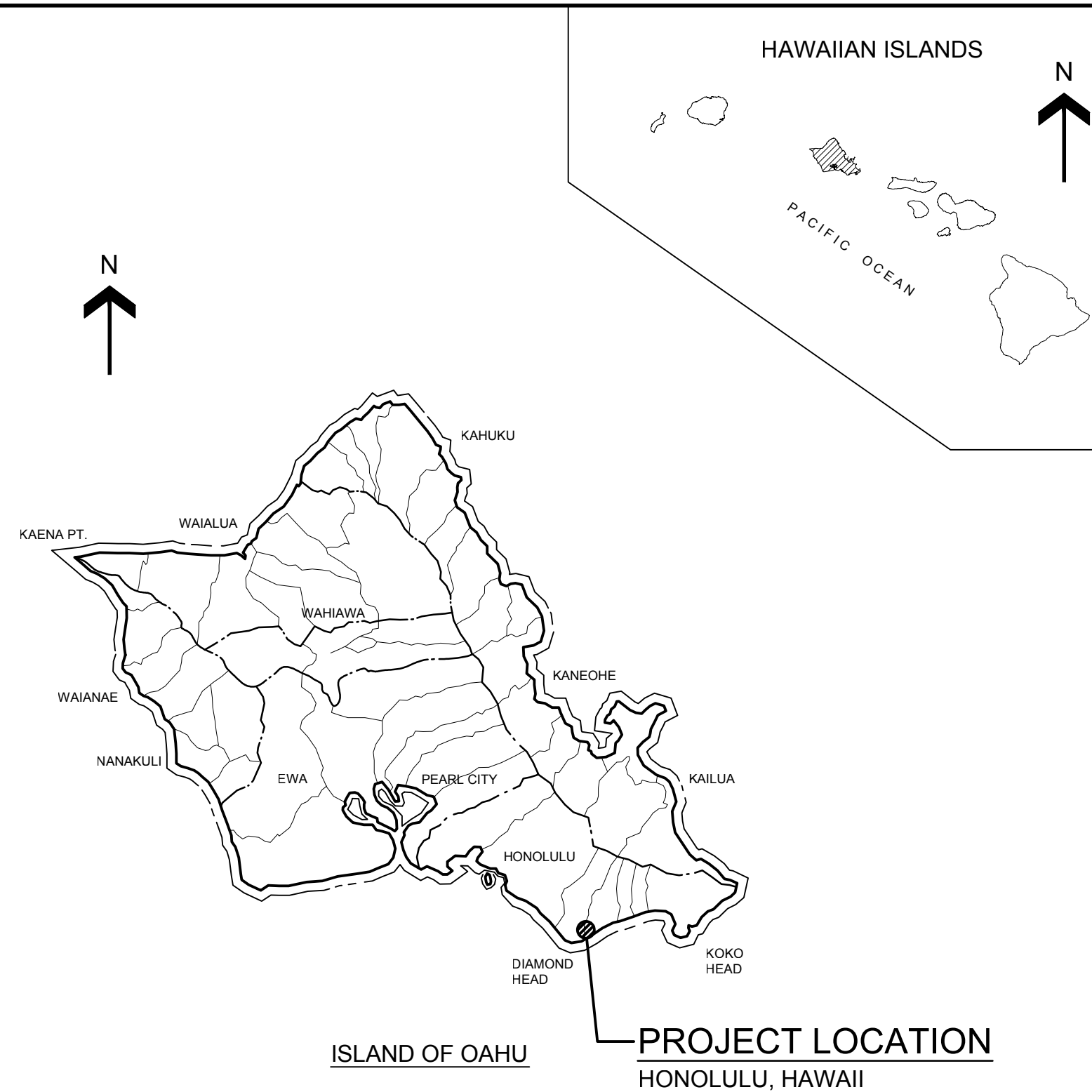
**AECOM**

1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813

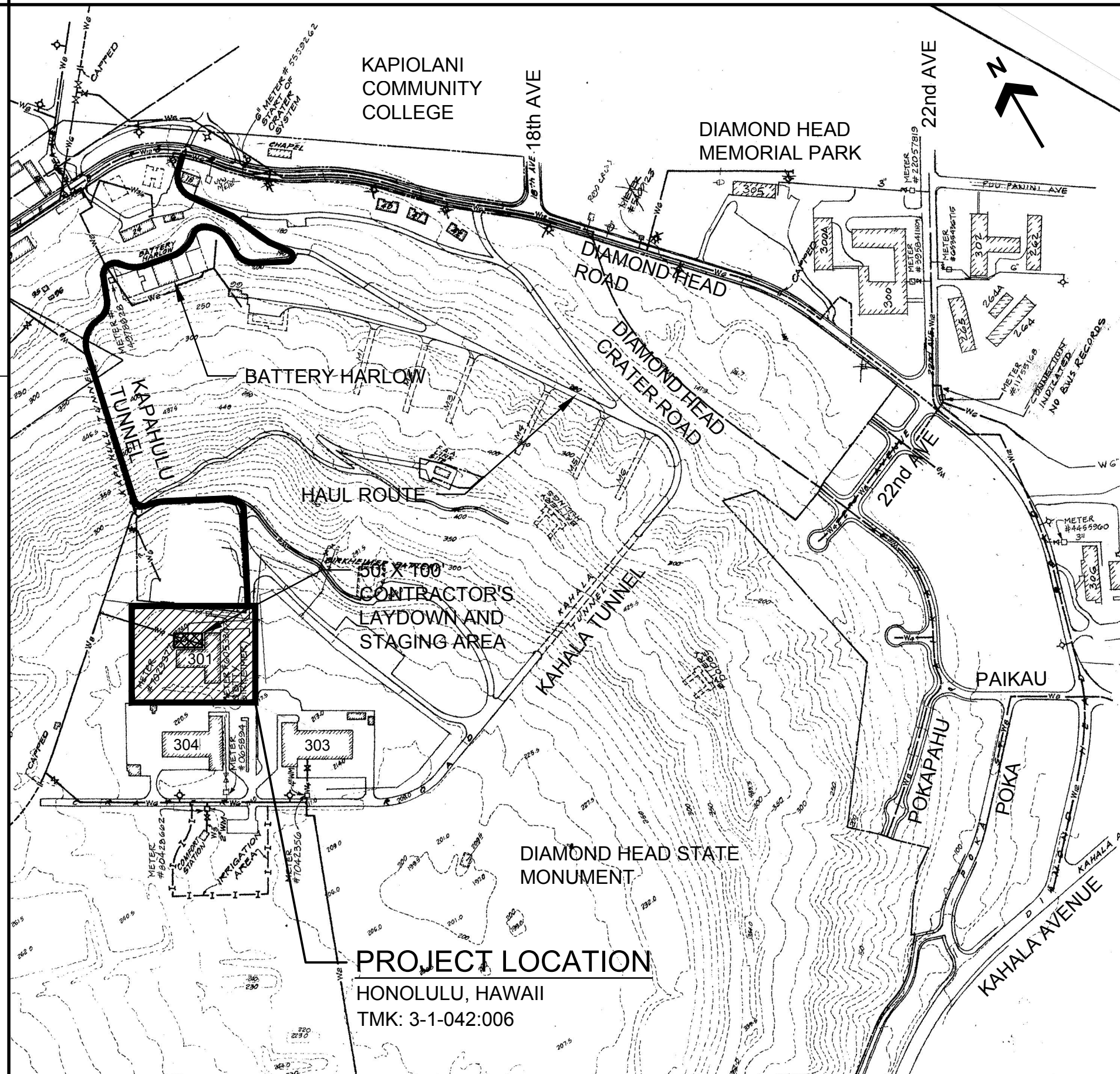


DATE	DESCRIPTION

### LOCATION MAP



### VICINITY MAP



### INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	SHEET TITLE
1	G-001	TITLE SHEET, LOCATION MAP, VICINITY MAP, INDEX OF DRAWINGS
2	C-001	CONSTRUCTION NOTES - 1
3	C-002	CONSTRUCTION NOTES - 2
4	CS101	GENERAL SITE PLAN
5	CS301	SITE SECTIONS - 1
6	CS302	SITE SECTIONS - 2
7	CS303	SITE SECTIONS - 3
8	CD101	DEMOLITION SITE PLAN
9	CG101	EROSION CONTROL PLAN
10	CG102	GRADING PLAN
11	C-501	MISCELLANEOUS DETAILS
12	AD101	DEMOLITION FLOOR PLAN - 1
13	AD102	DEMOLITION FLOOR PLAN - 2
14	ED101	ELECTRICAL SITE DEMOLITION PLAN
15	H-101	HAZARDOUS MATERIALS

CIVIL:  
AECOM  
1001 BISHOP STREET  
SUITE 1600  
HONOLULU, HAWAII 96813  
808-521-3051

ENVIRONMENTAL:  
AECOM  
1001 BISHOP STREET  
SUITE 1600  
HONOLULU, HAWAII 96813  
808-521-3051

SUBMITTAL PHASE  
100% FINAL

SUBMITTAL DATE  
5/18/16

DES RA DRW RA CHK DK

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
**DEMOLITION OF BUILDING 301**  
TITLE SHEET, LOCATION MAP,  
VICINITY MAP, INDEX OF DRAWINGS

SCALE: AS NOTED

STATE JOB NO. CA-1418-C

FEDERAL PROJECT NO.

SHEET 1 OF 15

**G-001**

**GENERAL CONSTRUCTION NOTES:**

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 ENGINEER 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 INFLECTED TO AND IMPAIRMENT IN THE USE OF ANY EXISTING UTILITY LINE. ANY DAMAGE INFLECTED 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 ¼" VERTICAL. CHANGES IN LEVEL FROM ¼" TO ½" MUST BE BEVELED 1:2. LEVEL CHANGES GREATER THAN ½" SHALL BE RAMPED 1:12.

**GRADING NOTES:**

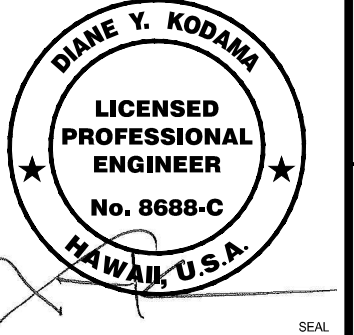
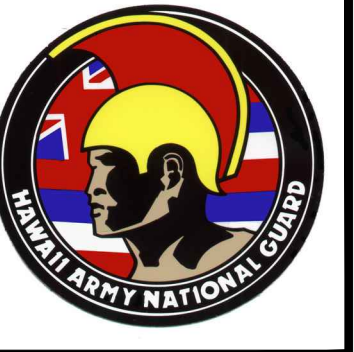
1. ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH CHAPTER 14, ARTICLES 13, 14, 15 AND 16 AS RELATED TO GRADING, SOIL EROSION AND SEDIMENT CONTROL OF THE REVISED ORDINANCES OF HONOLULU, 1990, AS AMENDED.
2. NO CONTRACTOR SHALL PERFORM ANY GRADING OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS 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 FOR DPP 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 SUBJECT 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:**

1. 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.



NO.	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE	100% FINAL
SUBMITTAL DATE	5/18/16
DES	DK
DRW	RA
CHK	DK

STATE OF HAWAII  
 FACILITY MANAGEMENT OFFICE  
 FORT RUGER  
 DEPARTMENT OF DEFENSE  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 DEMOLITION OF BUILDING 301  
 CONSTRUCTION NOTES - 1

SCALE:	AS NOTED
STATE JOB NO.	CA-1418-C
FEDERAL PROJECT NO.	-
SHEET	2 OF 15
<b>C-001</b>	

1 WATER NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION OF WATER SYSTEM FACILITIES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CITY AND COUNTY OF HONOLULU BOARD OF WATER SUPPLY'S "WATER SYSTEM STANDARDS", DATED 2002, THE "WATER SYSTEM EXTERNAL CORROSION CONTROL STANDARDS", VOLUME 3, DATED 1991, AND ALL SUBSEQUENT AMENDMENTS AND ADDITIONS.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL WATER 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 WHATEVER MEASURE NECESSARY TO PROTECT THE WATER LINES, SUCH AS CONSTRUCTING SPECIAL REACTION BLOCKS (WITH BWS APPROVAL) AND/OR MODIFYING HIS CONSTRUCTION METHOD.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM THE LATEST AVAILABLE DATA BUT IS NOT GUARANTEED AS TO THE ACCURACY OR THE ENCOUNTERING OF OTHER OBSTACLES DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOT ASSUME THAT WHERE NO UTILITIES ARE SHOWN, THAT NONE EXIST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS WATER SERVICE TO ALL AFFECTED AREAS DURING CONSTRUCTION.

2 SEWER NOTES (PRIVATE):

- ALL SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY'S STANDARD SPECIFICATIONS, SEPTEMBER 1986, THE DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS, SEPTEMBER 1984, CURRENT CITY PRACTICES AND REVISED ORDINANCES OF HONOLULU, 1990 AS AMENDED, AND THE DESIGN STANDARDS OF THE DEPARTMENT OF WASTEWATER MANAGEMENT VOLUME 1, JULY 1993.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SEWER SERVICE TO ALL AFFECTED AREAS DURING CONSTRUCTION.

3 TOPOGRAPHIC SURVEY NOTES:

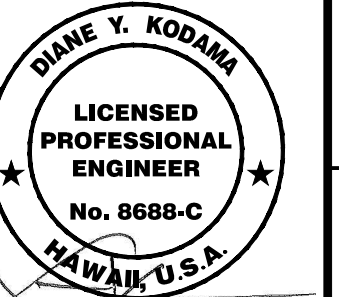
- COORDINATES ARE ASSUMED AND REFERRED TO CITY & COUNTY OF HONOLULU STREET MONUMENT MON-1. AZIMUTHS ARE REFERRED TO TRUE SOUTH.
- OWNERS OF ADJOINING LANDS AS SHOWN ON MAP ARE FROM AVAILABLE RECORDS FILED AT THE REAL PROPERTY TAX MAPPING BRANCH.
- MAP IS COMPILED FROM RECORDS FOUND AT THE STATE SURVEY OFFICE, REAL PROPERTY TAX MAPPING BRANCH AND BUREAU OF CONVEYANCES. RECORDED DATA HAS NOT BEEN VERIFIED BY AN ACTUAL SURVEY ON THE GROUND.
- 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.
- ELEVATIONS ARE REFERRED TO USCGS B-12 - 1969 - LOCAL TIDAL (MEAN SEA LEVEL), CONTOUR INTERVAL=2'.
- DATE OF SURVEY: 06/09/09. REVISION DATE: 06/30/09, 07/13/09, 03/03/15, 05/15/15

4 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

5 BEST MANAGEMENT PRACTICES:

- 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.
- 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.
- 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.
- ALL BEST MANAGEMENT PRACTICES (BMPs) SHALL NOT BE REMOVED UNTIL THE ENTIRE PROJECT IS COMPLETE.
- 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.
- 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.
- 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.
- 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 STORM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES ARE PROHIBITED.
- THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.
- 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.
- ANY DIRT OR GRASSED AREA DISTURBED SHALL BE RESTORED BY SEEDED HYDROMULCH. THE AREA MUST BE FULLY ESTABLISHED AT COMPLETION OF PROJECT.
- 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."
- 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.
- THE CONTRACTOR SHALL KEEP EXISTING AND NEW DRIVEWAYS FREE FROM SILT.
- 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.
- 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.
- 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.
- ALL FUELS AND HAZARDOUS SUBSTANCES SHALL BE STORED IN SECONDARY CONTAINMENT.
- SPILL KIT SHALL BE STAGED ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL NOTIFY THE STATE DOH, CLEAN WATER BRANCH SEVEN (7) DAYS PRIOR TO SITE DISTURBING ACTIVITIES.



DATE	DESCRIPTION

100% FINAL

DES	DK	DRW	RA	CHK	DK
-----	----	-----	----	-----	----

DEPARTMENT OF DEFENSE  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 HAWAII ARMY NATIONAL GUARD  
 FACILITY MANAGEMENT OFFICE  
 FORT RUGER  
 DEMOLITION OF BUILDING 301  
 CONSTRUCTION NOTES - 2

SCALE: AS NOTED  
 STATE JOB NO. CA-1418-C  
 FEDERAL PROJECT NO. -  
 SHEET 3 OF 15  
 C-002

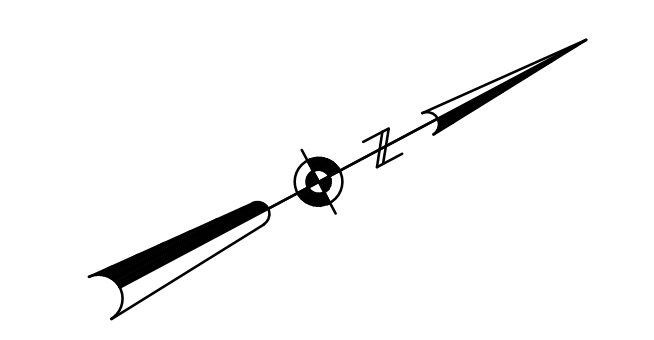
1

2

3

4

5



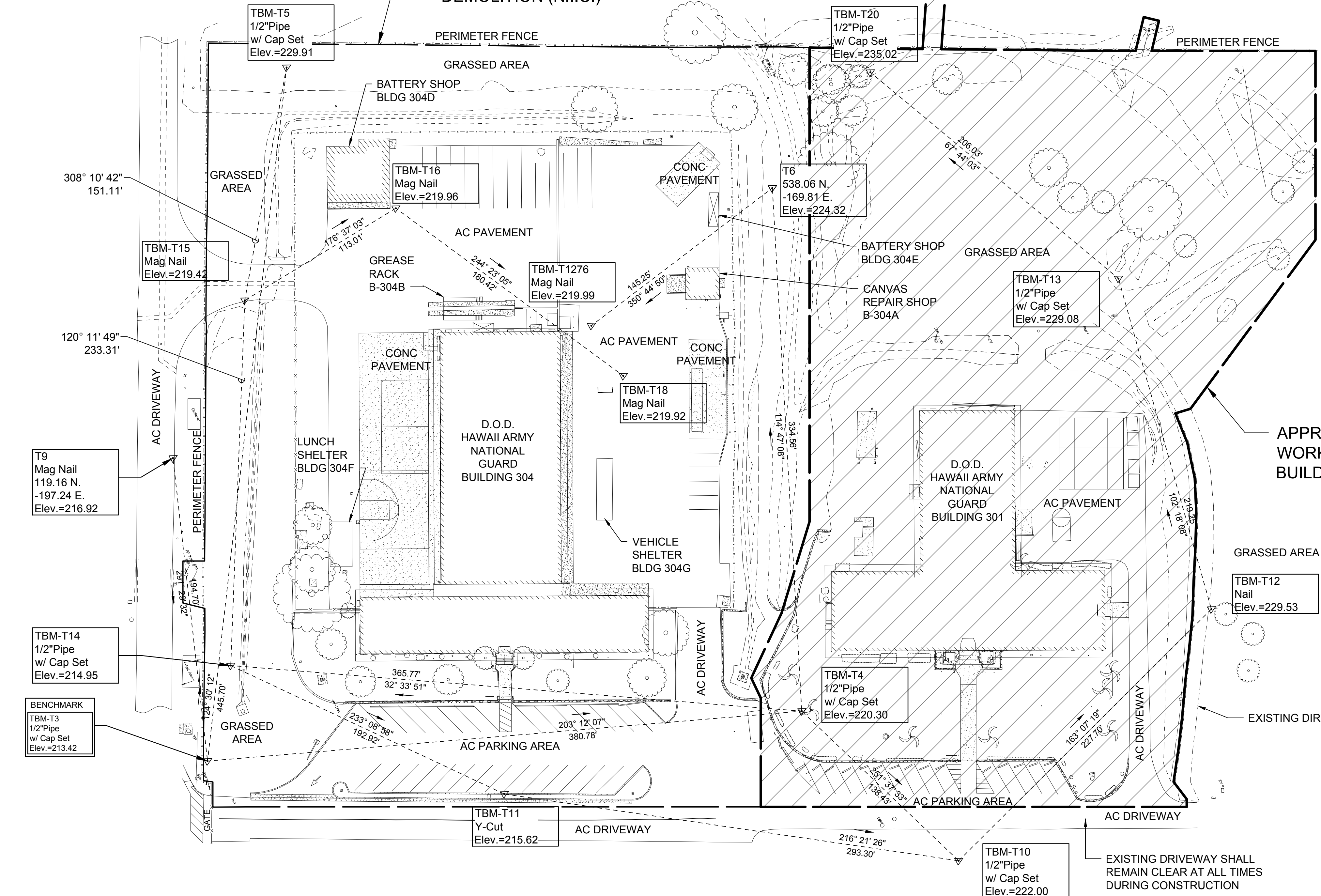
EXIST HECO POLE

EXIST HECO POLE

EXIST HECO POLE

APPROXIMATE LIMITS OF WORK  
BUILDING 304 COMPLEX  
DEMOLITION (N.I.C.)

APPROXIMATE LIMITS OF WORK  
BUILDING 301 DEMOLITION



**LEGEND**

- APPROXIMATE LIMITS OF WORK
- BUILDING
- CONCRETE
- CHAIN LINK FENCE

NOTES:  
1. SEE SHEET G-001 FOR CONTRACTOR'S LAYDOWN AND STAGING AREA.

EXISTING DRIVEWAY SHALL REMAIN CLEAR AT ALL TIMES DURING CONSTRUCTION



**AECOM**  
1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813

**DAME Y. KODAMA**  
LICENSED PROFESSIONAL ENGINEER  
No. 8688-C  
HAWAII, U.S.A.

DATE	DESCRIPTION

100% FINAL

5/18/16

DES DK DRW RA CHK DK

DEPARTMENT OF DEFENSE  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII

HAWAII ARMY NATIONAL GUARD  
FACILITY MANAGEMENT OFFICE  
FORT RUGER  
**DEMOLITION OF BUILDING 301**  
GENERAL SITE PLAN

SCALE: AS NOTED

STATE JOB NO. CA-1418-C

FEDERAL PROJECT NO. -

SHEET 4 OF 15

**CS101**

**A1 GENERAL SITE PLAN**  
SCALE: 1"=40'

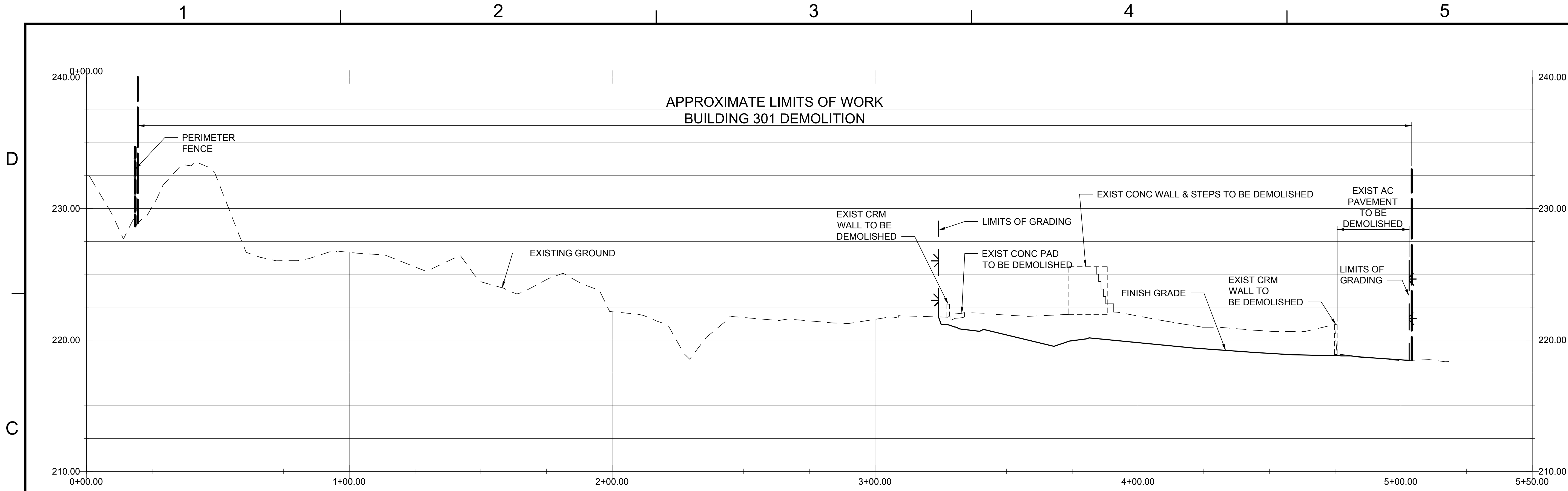
1

2

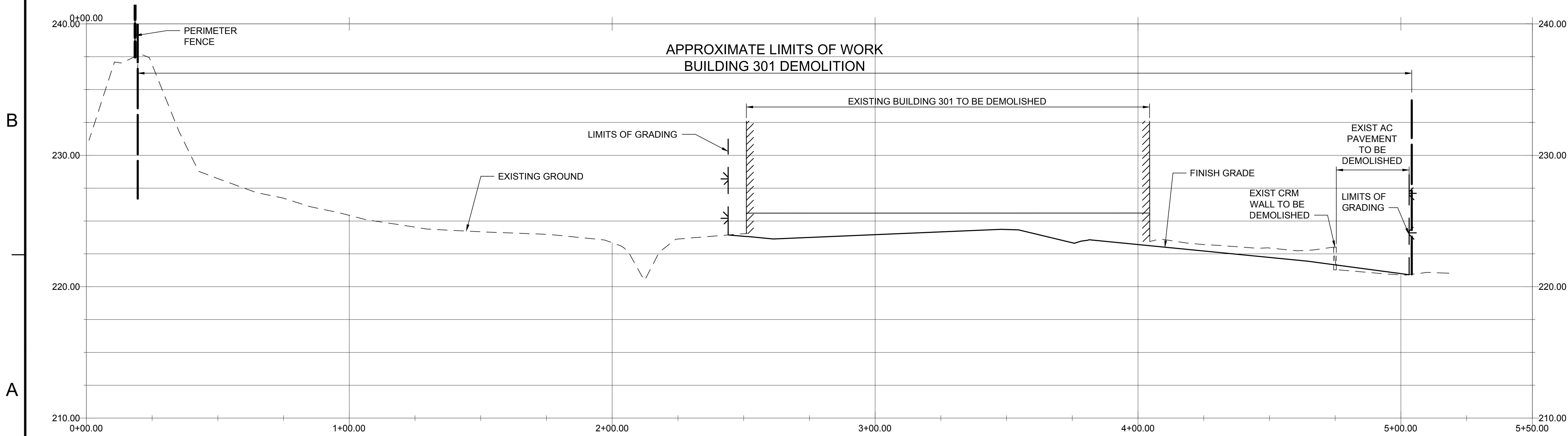
3

4

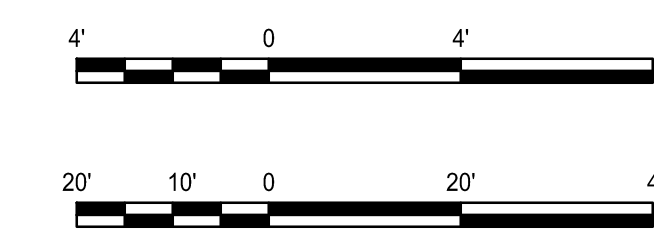
5



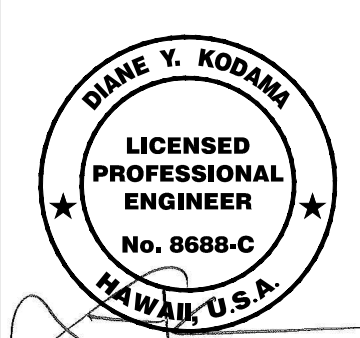
**C1 SITE SECTION**  
 CS301 SCALE: 1"=20' (HORIZ)  
 1"=4' (VERT)



**A1 SITE SECTION**  
 CS301 SCALE: 1"=20' (HORIZ)  
 1"=4' (VERT)



**AECOM**  
 1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813



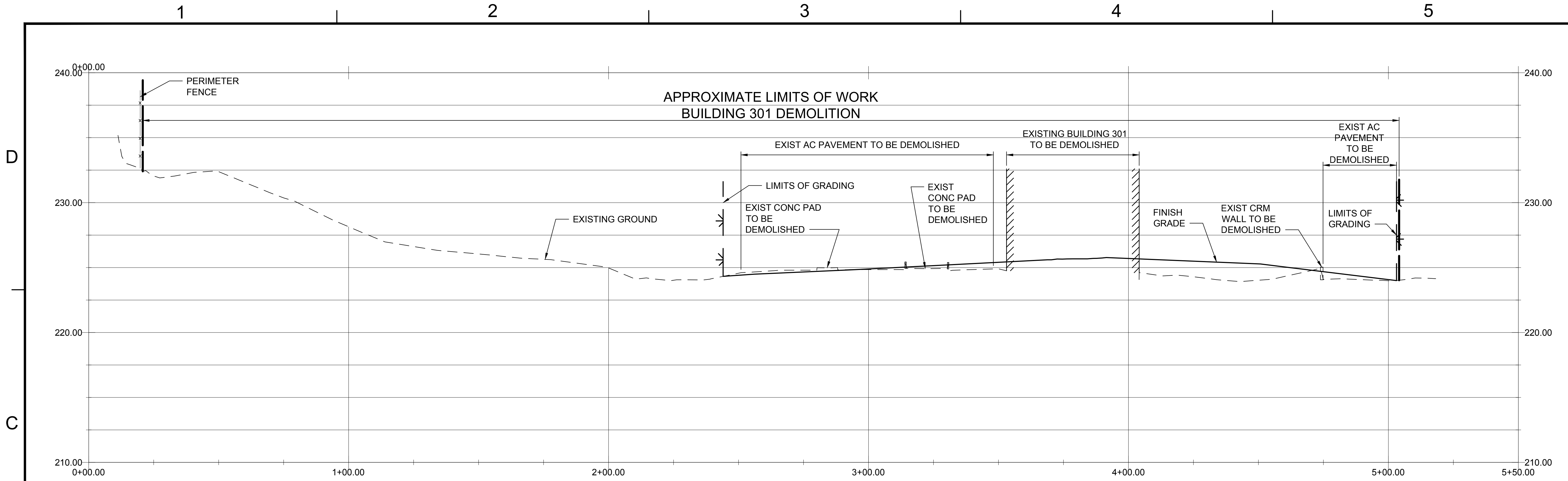
DATE	DESCRIPTION

SUBMITTAL PHASE  
 100% FINAL  
 SUBMITTAL DATE 5/18/16

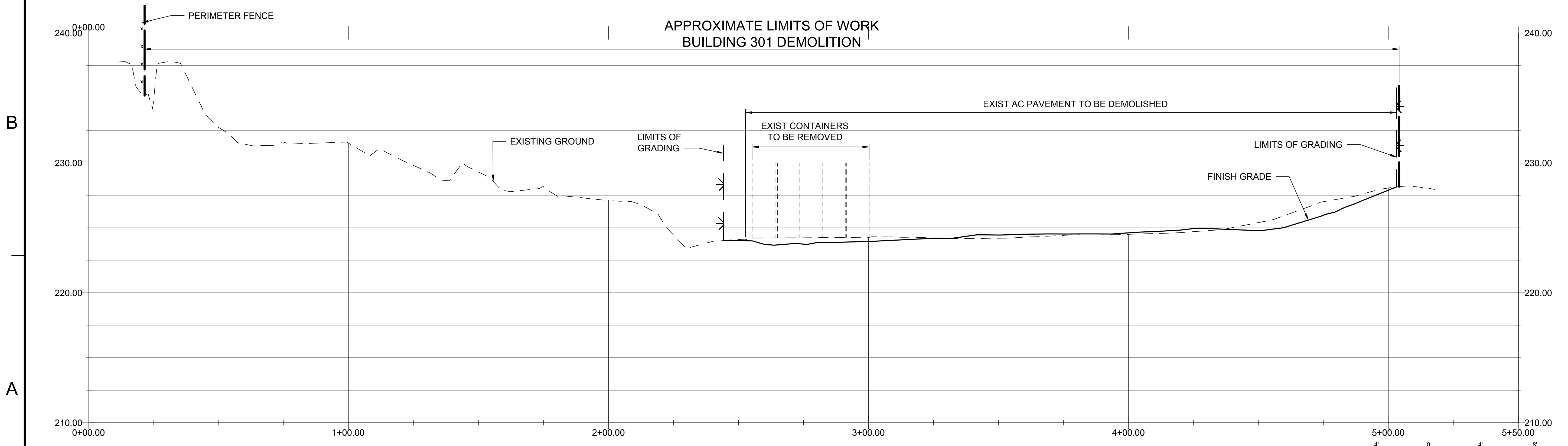
DES	DK	DRW	RA	CHK	DK

DEPARTMENT OF DEFENSE  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 DEMOLITION OF BUILDING 301  
 SITE SECTIONS - 1

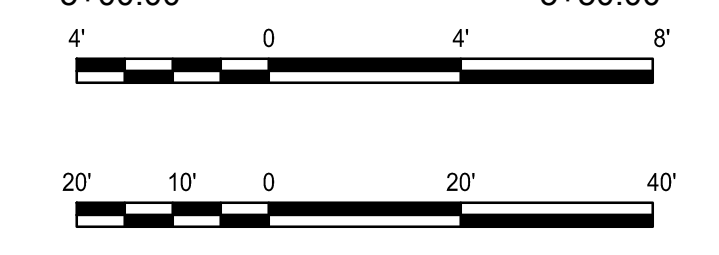
SCALE: AS NOTED  
 STATE JOB NO. CA-1418-C  
 FEDERAL PROJECT NO. -  
 SHEET 5 OF 15  
**CS301**



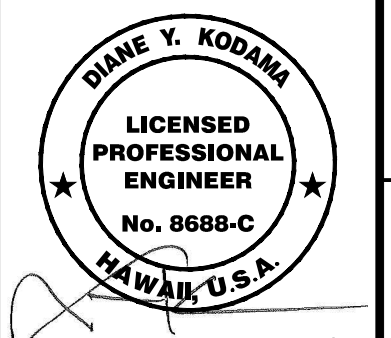
**C1 SITE SECTION**  
 CS302 SCALE: 1"=20' (HORIZ)  
 1"=4' (VERT)



**A1 SITE SECTION**  
 CS302 SCALE: 1"=20' (HORIZ)  
 1"=4' (VERT)



**AECOM**  
 1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813



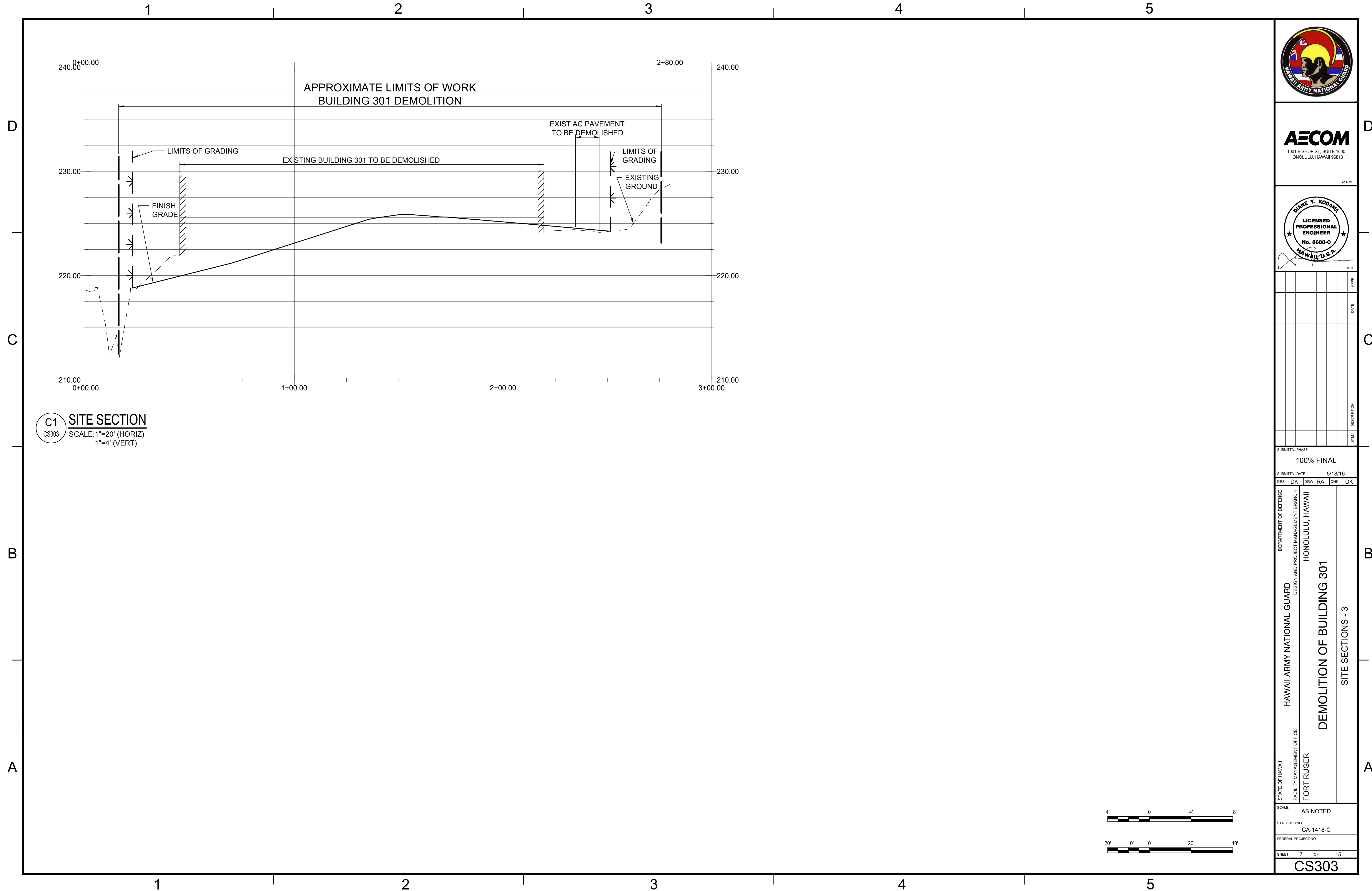
DATE	DESCRIPTION

SUBMITTAL PHASE  
 100% FINAL  
 SUBMITTAL DATE 5/18/16

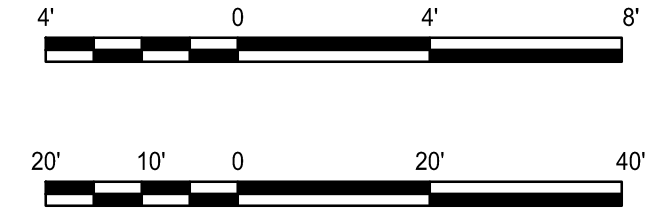
DES	DK	DRW	RA	CHK	DK

DEPARTMENT OF DEFENSE  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 DEMOLITION OF BUILDING 301  
 SITE SECTIONS - 2

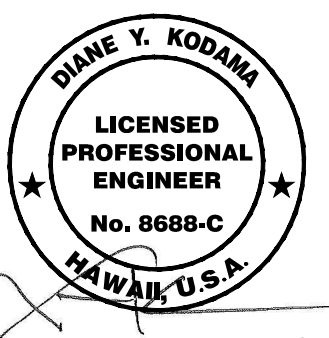
STATE OF HAWAII  
 FACILITY MANAGEMENT OFFICE  
 FORT RUGER  
 SCALE: AS NOTED  
 STATE JOB NO. CA-1418-C  
 FEDERAL PROJECT NO. -  
 SHEET 6 OF 15  
**CS302**



**C1 SITE SECTION**  
 CS303 SCALE: 1"=20' (HORIZ)  
 1"=4' (VERT)



**AECOM**  
 1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813



DATE	DESCRIPTION

SUBMITTAL PHASE  
**100% FINAL**  
 SUBMITTAL DATE: 5/18/16

DES	DK	DRW	RA	CHK	DK
-----	----	-----	----	-----	----

STATE OF HAWAII  
 FACILITY MANAGEMENT OFFICE  
 FORT RUGER  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
**DEMOLITION OF BUILDING 301**  
 SITE SECTIONS - 3

SCALE: AS NOTED  
 STATE JOB NO. CA-1418-C  
 FEDERAL PROJECT NO. -  
 SHEET 7 OF 15  
**CS303**

1

2

3

4

5

D

C

B

A

D

C

B

A



**AECOM**  
1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813

**DAME Y. KODAMA**  
LICENSED PROFESSIONAL ENGINEER  
No. 8688-C  
HAWAII, U.S.A.

DATE	DESCRIPTION

100% FINAL

5/18/16

DES DK DRW RA CHK DK

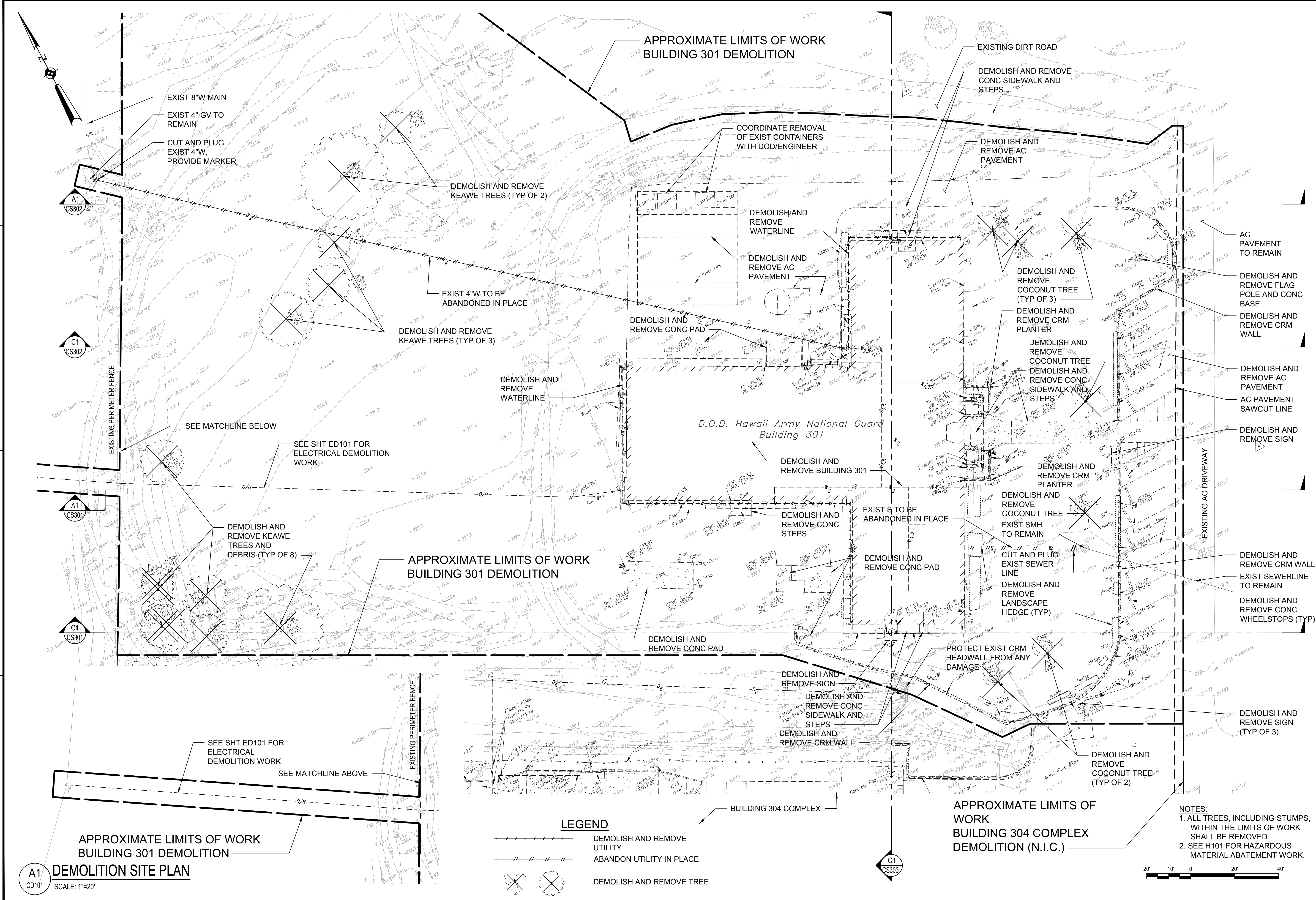
DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII

DEMOLITION OF BUILDING 301  
DEMOLITION SITE PLAN

STATE OF HAWAII  
FACILITY MANAGEMENT OFFICE  
FORT RUGER

SCALE: AS NOTED  
STATE JOB NO: CA-1418-C  
FEDERAL PROJECT NO: -  
SHEET 8 OF 15

CD101



APPROXIMATE LIMITS OF WORK BUILDING 301 DEMOLITION

EXISTING DIRT ROAD  
DEMOLISH AND REMOVE CONC SIDEWALK AND STEPS

DEMOLISH AND REMOVE AC PAVEMENT

EXIST 8" W MAIN  
EXIST 4" GV TO REMAIN  
CUT AND PLUG EXIST 4" W,  
PROVIDE MARKER

DEMOLISH AND REMOVE KEAWE TREES (TYP OF 2)

COORDINATE REMOVAL OF EXIST CONTAINERS WITH DOD/ENGINEER

DEMOLISH AND REMOVE WATERLINE

DEMOLISH AND REMOVE AC PAVEMENT

DEMOLISH AND REMOVE AC PAVEMENT

DEMOLISH AND REMOVE COCONUT TREE (TYP OF 3)

DEMOLISH AND REMOVE CRM PLANTER

DEMOLISH AND REMOVE COCONUT TREE (TYP OF 3)

DEMOLISH AND REMOVE CONCRETE SIDEWALK AND STEPS

DEMOLISH AND REMOVE COCONUT TREE (TYP OF 3)

DEMOLISH AND REMOVE CONCRETE SIDEWALK AND STEPS

EXIST 4" W TO BE ABANDONED IN PLACE

DEMOLISH AND REMOVE KEAWE TREES (TYP OF 3)

DEMOLISH AND REMOVE CONCRETE PAD

DEMOLISH AND REMOVE WATERLINE

DEMOLISH AND REMOVE BUILDING 301

DEMOLISH AND REMOVE CRM PLANTER

DEMOLISH AND REMOVE COCONUT TREE (TYP OF 3)

EXIST SMH TO REMAIN

CUT AND PLUG EXIST SEWER LINE

DEMOLISH AND REMOVE LANDSCAPE HEDGE (TYP)

SEE SHT ED101 FOR ELECTRICAL DEMOLITION WORK

APPROXIMATE LIMITS OF WORK BUILDING 301 DEMOLITION

DEMOLISH AND REMOVE CONCRETE PAD

DEMOLISH AND REMOVE CONCRETE PAD

DEMOLISH AND REMOVE CONCRETE STEPS

DEMOLISH AND REMOVE CONCRETE PAD

DEMOLISH AND REMOVE SIGN

DEMOLISH AND REMOVE CONCRETE SIDEWALK AND STEPS

DEMOLISH AND REMOVE CONCRETE WALL

APPROXIMATE LIMITS OF WORK BUILDING 304 COMPLEX DEMOLITION (N.I.C.)

DEMOLISH AND REMOVE AC PAVEMENT

AC PAVEMENT SAWCUT LINE

DEMOLISH AND REMOVE SIGN

EXISTING AC DRIVEWAY

DEMOLISH AND REMOVE CRM WALL

EXIST SEWERLINE TO REMAIN

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

DEMOLISH AND REMOVE SIGN (TYP OF 3)

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

DEMOLISH AND REMOVE SIGN (TYP OF 3)

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

DEMOLISH AND REMOVE CONCRETE WHEELSTOPS (TYP)

**LEGEND**

- DEMOLISH AND REMOVE UTILITY
- - - - - ABANDON UTILITY IN PLACE
- X DEMOLISH AND REMOVE TREE

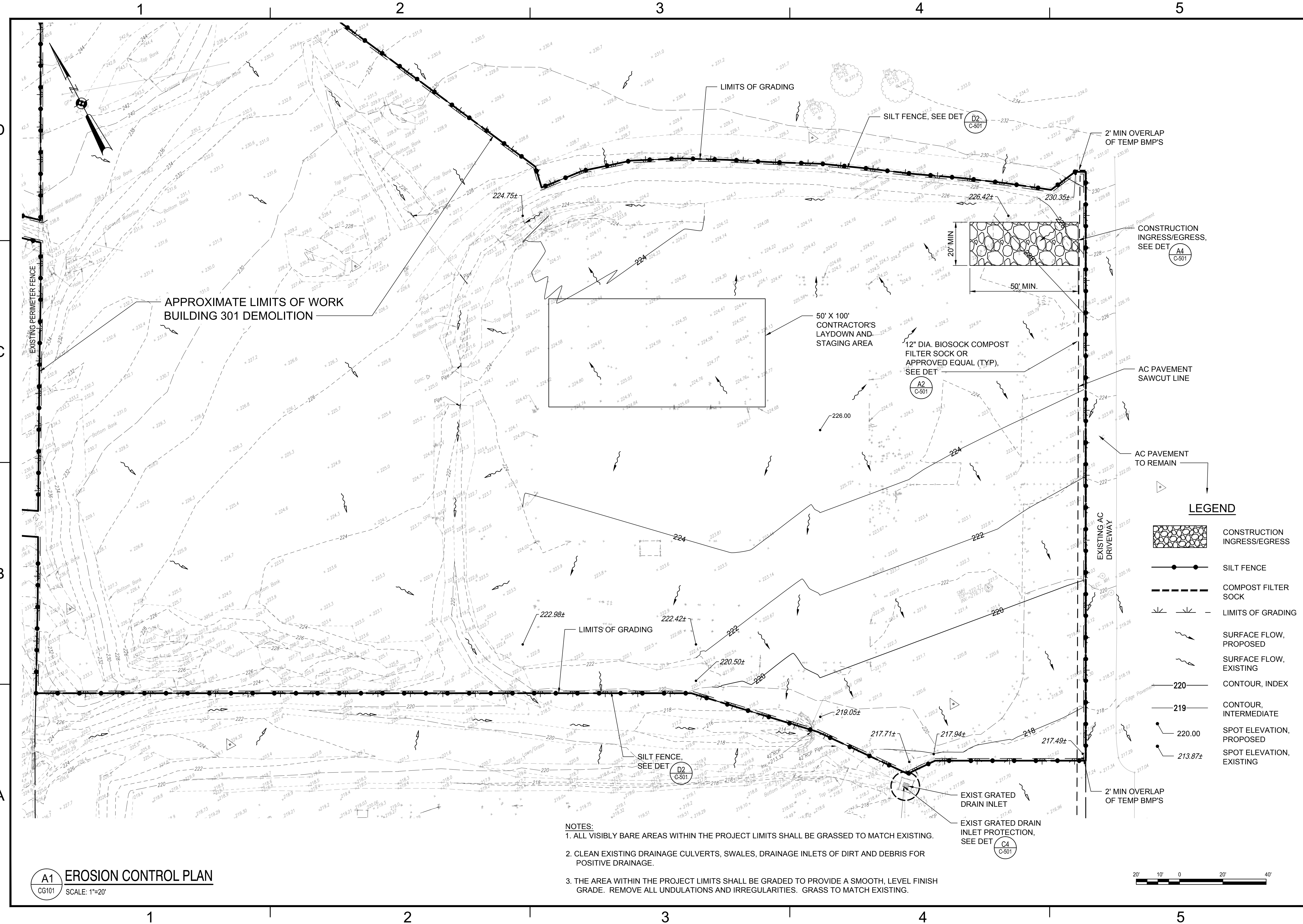
**NOTES:**  
1. ALL TREES, INCLUDING STUMPS, WITHIN THE LIMITS OF WORK SHALL BE REMOVED.  
2. SEE H101 FOR HAZARDOUS MATERIAL ABATEMENT WORK.



**DEMOLITION SITE PLAN**  
SCALE: 1"=20'

A1  
CD101



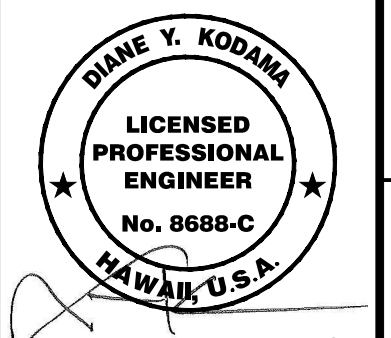


**A1 EROSION CONTROL PLAN**  
 CG101 SCALE: 1"=20'

- NOTES:**
- ALL VISIBLY BARE AREAS WITHIN THE PROJECT LIMITS SHALL BE GRASSED TO MATCH EXISTING.
  - CLEAN EXISTING DRAINAGE CULVERTS, SWALES, DRAINAGE INLETS OF DIRT AND DEBRIS FOR POSITIVE DRAINAGE.
  - THE AREA WITHIN THE PROJECT LIMITS SHALL BE GRADED TO PROVIDE A SMOOTH, LEVEL FINISH GRADE. REMOVE ALL UNDULATIONS AND IRREGULARITIES. GRASS TO MATCH EXISTING.



**AECOM**  
 1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813



DATE	DESCRIPTION

SUBMITTAL PHASE: 100% FINAL  
 SUBMITTAL DATE: 5/18/16

DES	DK	DRW	RA	CHK	DK

DEPARTMENT OF DEFENSE  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII

**DEMOLITION OF BUILDING 301**  
 EROSION CONTROL PLAN

STATE OF HAWAII  
 FACILITY MANAGEMENT OFFICE  
 FORT RUGER

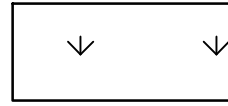
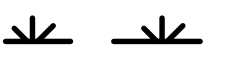


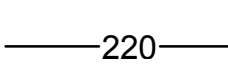
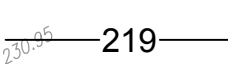

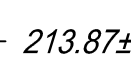
SCALE: AS NOTED  
 STATE JOB NO: CA-1418-C  
 FEDERAL PROJECT NO:   
 SHEET 9 OF 15

**CG101**

1 2 3 4 5

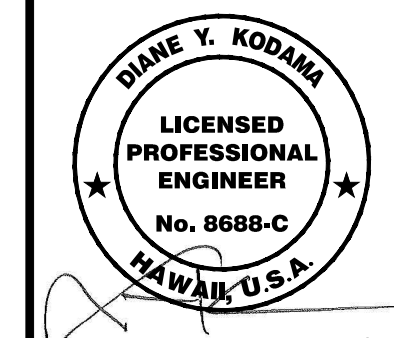
NOTES:  
 1. ALL VISIBLY BARE AREAS WITHIN THE PROJECT LIMITS SHALL BE GRASSED TO MATCH EXISTING.  
 2. CLEAN EXISTING DRAINAGE CULVERTS, SWALES, DRAINAGE INLETS OF DIRT AND DEBRIS FOR POSITIVE DRAINAGE.  
 3. THE AREA WITHIN THE PROJECT LIMITS SHALL BE GRADED TO PROVIDE A SMOOTH, LEVEL FINISH GRADE. REMOVE ALL UNDULATIONS AND IRREGULARITIES. GRASS TO MATCH EXISTING.

LEGEND

-  GRASSING OVER TOPSOIL
-  LIMITS OF GRADING
-  SURFACE FLOW, PROPOSED
-  SURFACE FLOW, EXISTING
-  CONTOUR, INDEX
-  CONTOUR, INTERMEDIATE
-  SPOT ELEVATION, PROPOSED
-  SPOT ELEVATION, EXISTING



**AECOM**  
 1001 BISHOP ST, SUITE 1600  
 HONOLULU, HAWAII 96813



DATE	DESCRIPTION

100% FINAL

5/18/16

DES DK DRW RA CHK DK

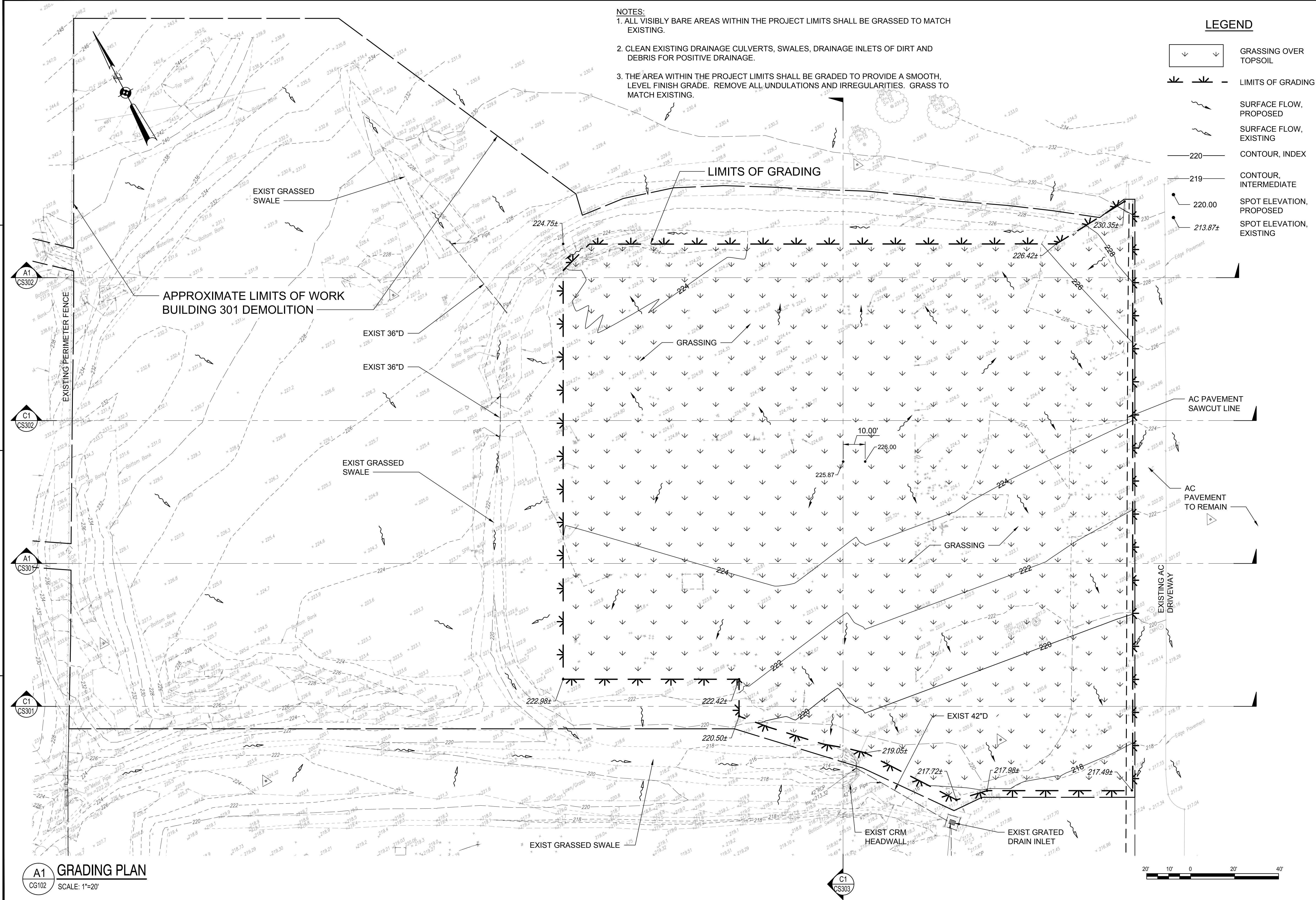
DEPARTMENT OF DEFENSE  
 HAWAII ARMY NATIONAL GUARD  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 DEMOLITION OF BUILDING 301  
 GRADING PLAN  
 FORT RUGER

AS NOTED

CA-1418-C

10 OF 15

CG102



**GRADING PLAN**  
 CG102 SCALE: 1"=20'



D  
C  
B  
A

D  
C  
B  
A

1 2 3 4 5

1

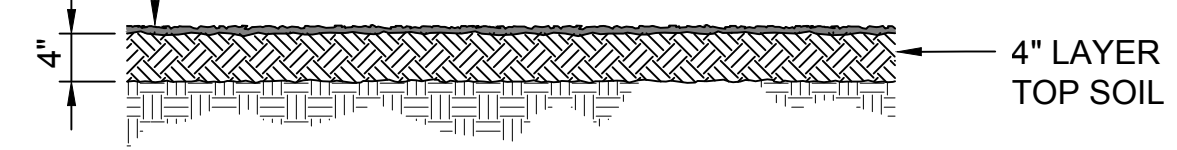
2

3

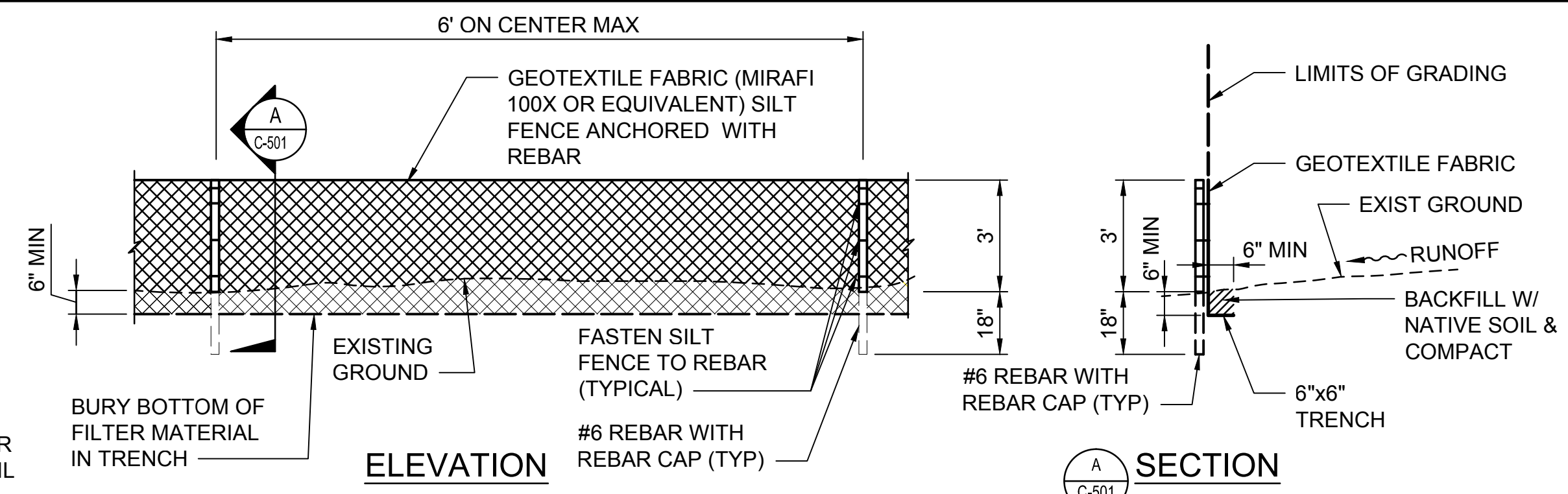
4

5

**HYDRO SEED / HYDRO SPRIG:**  
SHALL BE SPECIFICALLY PROCESSED FIBER CONTAINING NO GROWTH OR GERMINATION INHIBITING FACTORS. IT SHALL BE SUCH THAT AFTER ADDITION AND AGITATION IN THE HYDRAULIC EQUIPMENT WITH SEEDS/SPRINGS, FERTILIZER, WATER AND, OTHER ADDITIVES NOT DETRIMENTAL TO PLANT GROWTH. THE FIBERS WILL FORM A HOMOGENEOUS SLURRY. WHEN HYDRAULICALLY SPRAYED ON THE SOIL, THE FIBERS SHALL FORM A BLOTTER-LIKE GROUND COVER WHICH READILY ABSORBS WATER AND ALLOWS INFILTRATION. COMPLETE COVERAGE OF THE SURFACE SHALL BE ATTAINED.



**D1 GRASSING DETAIL**  
C-501 NOT TO SCALE

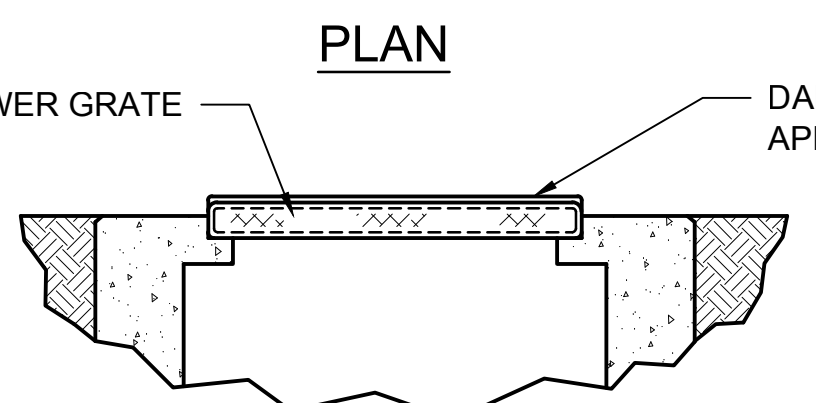
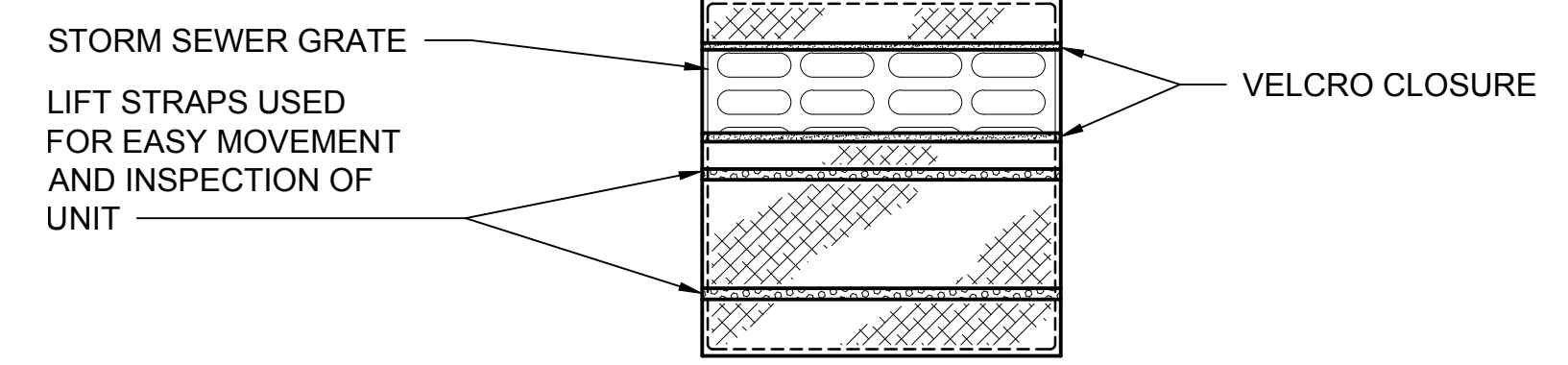


**D2 SILT FENCE DETAIL**  
C-501 NOT TO SCALE

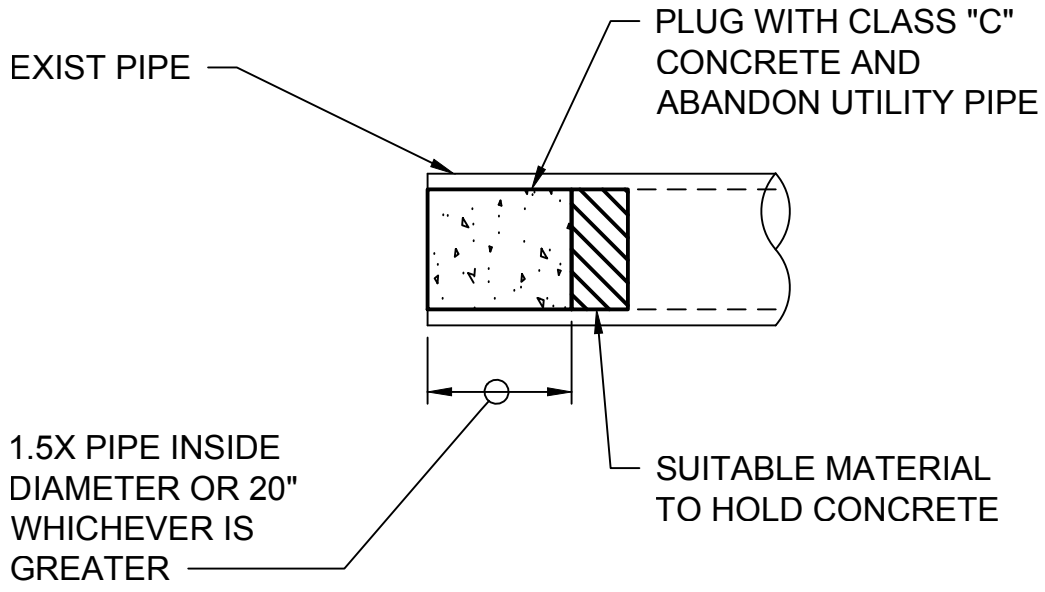
**HI-FLOW DANDY BAG OR APPROVED EQUAL (SAFETY ORANGE)**

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4832	kN (lbs)	1.62 (365) X 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4832	%	24 X 10
PUNCTURE STRENGTH	ASTM D 4833	kN (lbs)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	kPa (psi)	3097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV RESISTENCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
FLOW RATE	ASTM D 4491	1/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	5907 (145)
PERMITTIVITY	ASTM D 4491	Sec <sup>-1</sup>	2.1

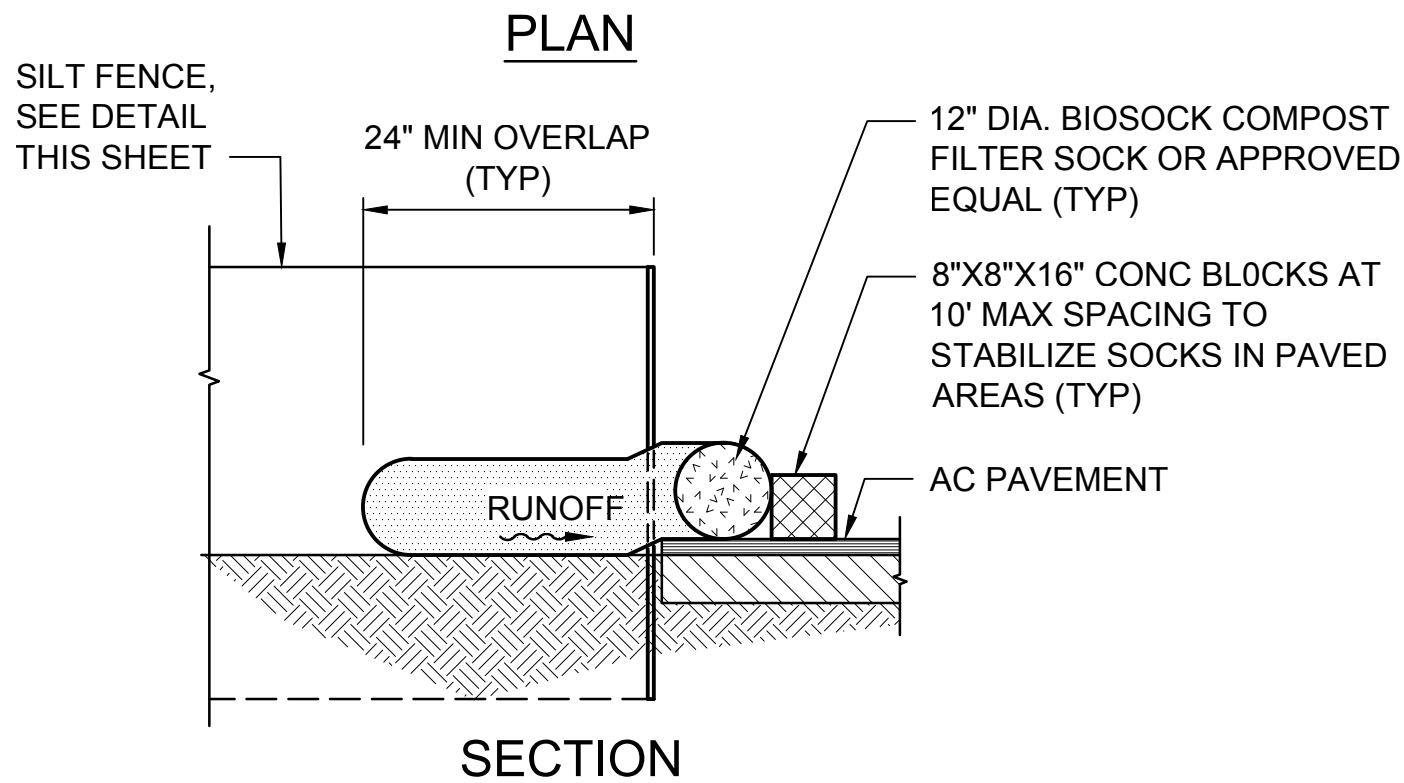
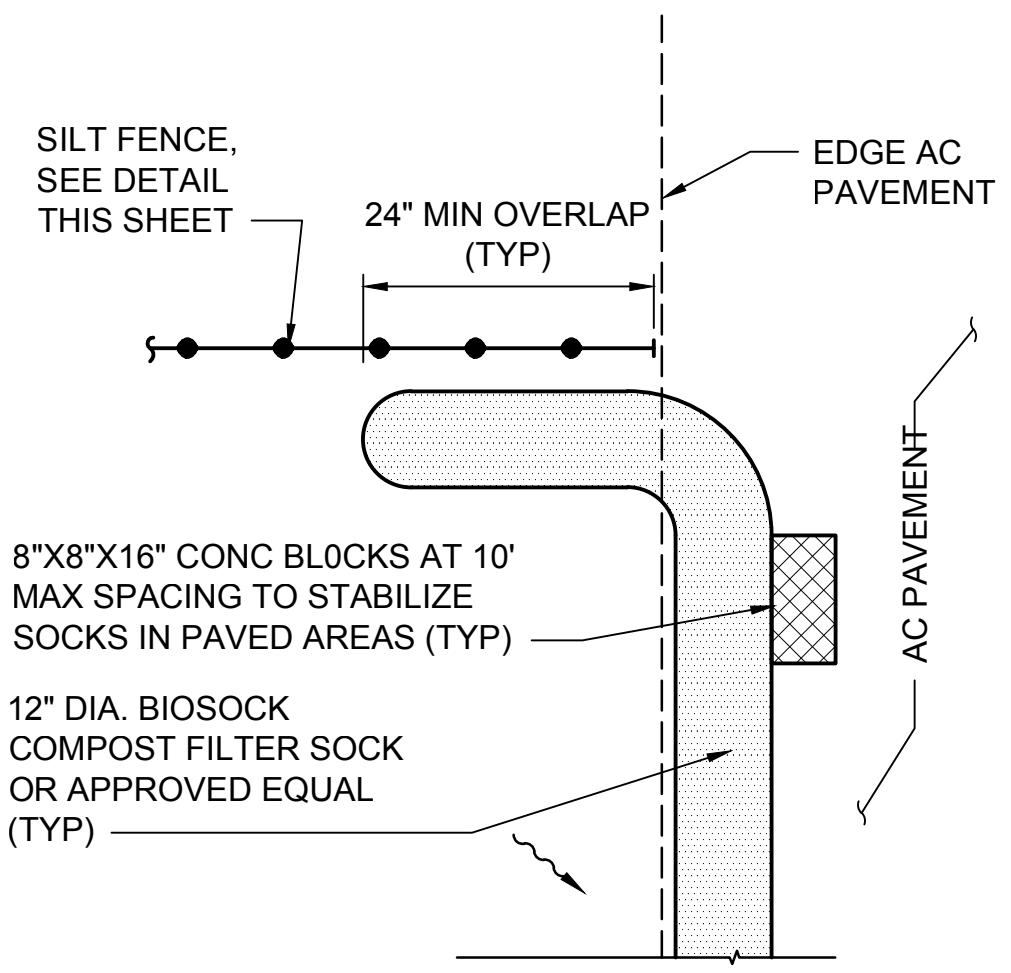
\*NOTE: ALL DANDY BAGS OR APPROVED EQUAL CAN BE ORDERED WITH OPTIONAL OIL ABSORBENT PILLOWS



**C4 DANDY BAG FILTER FOR DRAIN INLETS OR APPROVED EQUAL**  
C-501 NOT TO SCALE

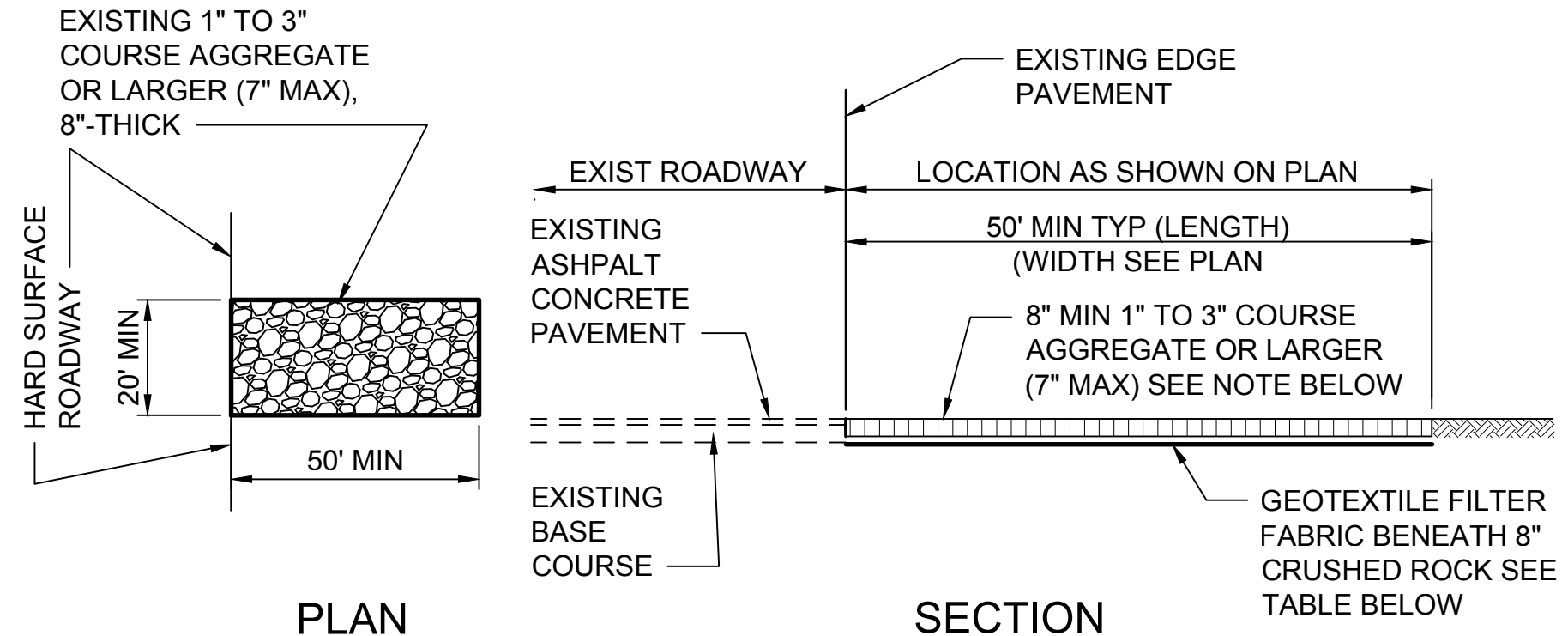


**C1 CONCRETE PLUG FOR ABANDONED UTILITY PIPE DETAIL**  
C-501 NOT TO SCALE



- NOTES:**
1. COMPOST SHALL NOT CONTAIN BIOSOLIDS AND SHOULD COMPLY WITH UNITED STATES ENVIRONMENTAL PROTECTION AGENCY GUIDELINES IN ACCORDANCE WITH THE CITY AND COUNTY OF HONOLULU STORM WATER BEST MANAGEMENT PRACTICE MANUAL, NOVEMBER 2011.
  2. STAKING IS NOT REQUIRED.
  3. OVERLAP ENDS OF BIOSOCK COMPOST FILTER SOCKS MINIMUM 12-INCHES.

**A2 COMPOST FILTER SOCK INSTALLATION DETAIL**  
C-501 NOT TO SCALE



**NOTE:**  
8" THICK COURSE AGGREGATE LAYER SHALL BE REMOVED IMMEDIATELY PRIOR TO INSTALLATION OF ROADWAY BASE COURSE.

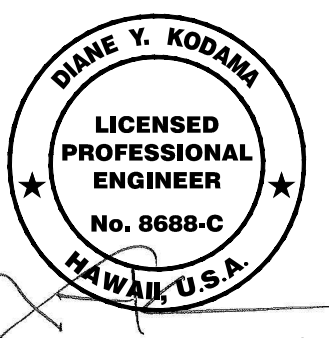
**TABLE A GEOTEXTILE REQUIREMENTS**

PHYSICAL PROPERTY	REQUIREMENTS
GRAB TENSILE STRENGTH	220 LB (ASTM D1682)
ELONGATION FAILURE	60% (ASTM D1682)
MULLEN BURST STRENGTH	430 LB (ASTM D3786)
PUNCTURE STRENGTH	125 LB (ASTM D751, MODIFIED)
EQUIVALENT OPENING	SIZE 40-80 (U.S. STD SIEVE, CW-02215)

**A4 CONSTRUCTION INGRESS/EGRESS**  
C-501 NOT TO SCALE



**AECOM**  
1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813



100% FINAL

DES	DK	DRW	RA	CHK	DK
-----	----	-----	----	-----	----

DEPARTMENT OF DEFENSE  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
**DEMOLITION OF BUILDING 301**  
MISCELLANEOUS DETAILS  
FORT RUGER  
STATE OF HAWAII  
FACILITY MANAGEMENT OFFICE

SCALE: AS NOTED  
STATE JOB NO. CA-1418-C  
FEDERAL PROJECT NO.  
SHEET 11 OF 15

**C-501**

**GENERAL DEMOLITION NOTES:**

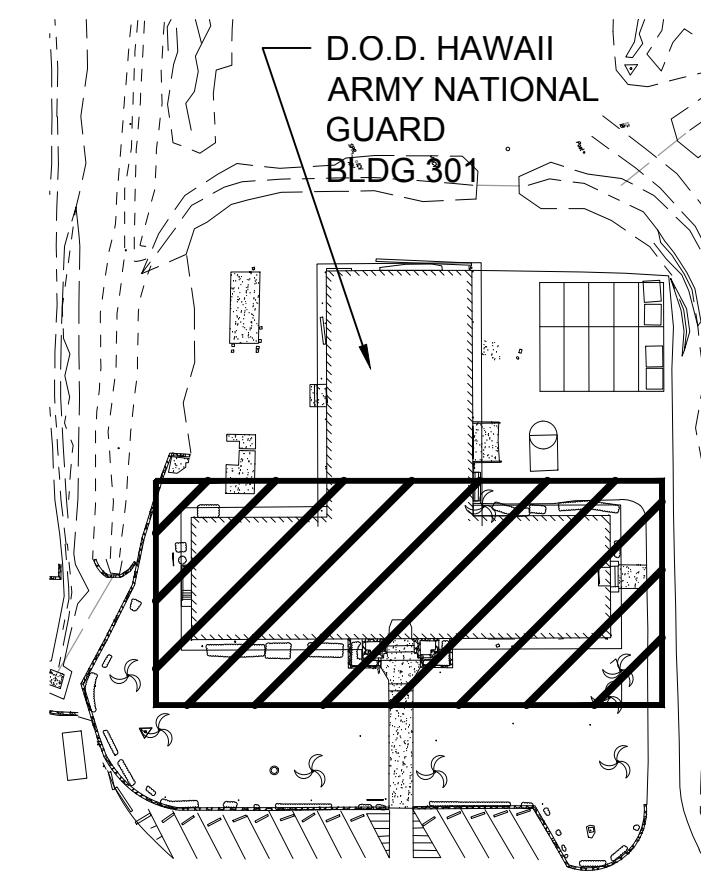
1. CONTRACTOR SHALL REFER TO CIVIL DRAWINGS FOR THE COMPLETE EXTENT AND CIVIL-RELATED SCOPE OF WORK REQUIREMENTS INDICATED ON SITE DEMOLITION PLANS.
2. REMOVE ALL FURNITURES, FIXTURES, EQUIPMENT AND FINISHES NECESSARY FOR THE COMPLETE DEMOLITION WORK AS DEPICTED ON THE DRAWINGS. NECESSARY DISCONNECTS AND REMOVAL TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. WHERE CONTRACTOR IS DESIGNATED TO MAKE REMOVAL, DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATE WITH ENGINEER THE DISPOSITION AND REMOVAL OF ALL COMPONENTS OF HISTORICAL SIGNIFICANCE.
3. SEE CIVIL DRAWINGS FOR ADDITIONAL WORK REQUIRED.
4. SEE H-101 FOR HAZARDOUS MATERIAL ABATEMENT WORK.

**FLOOR PLAN DEMOLITION NOTES:**

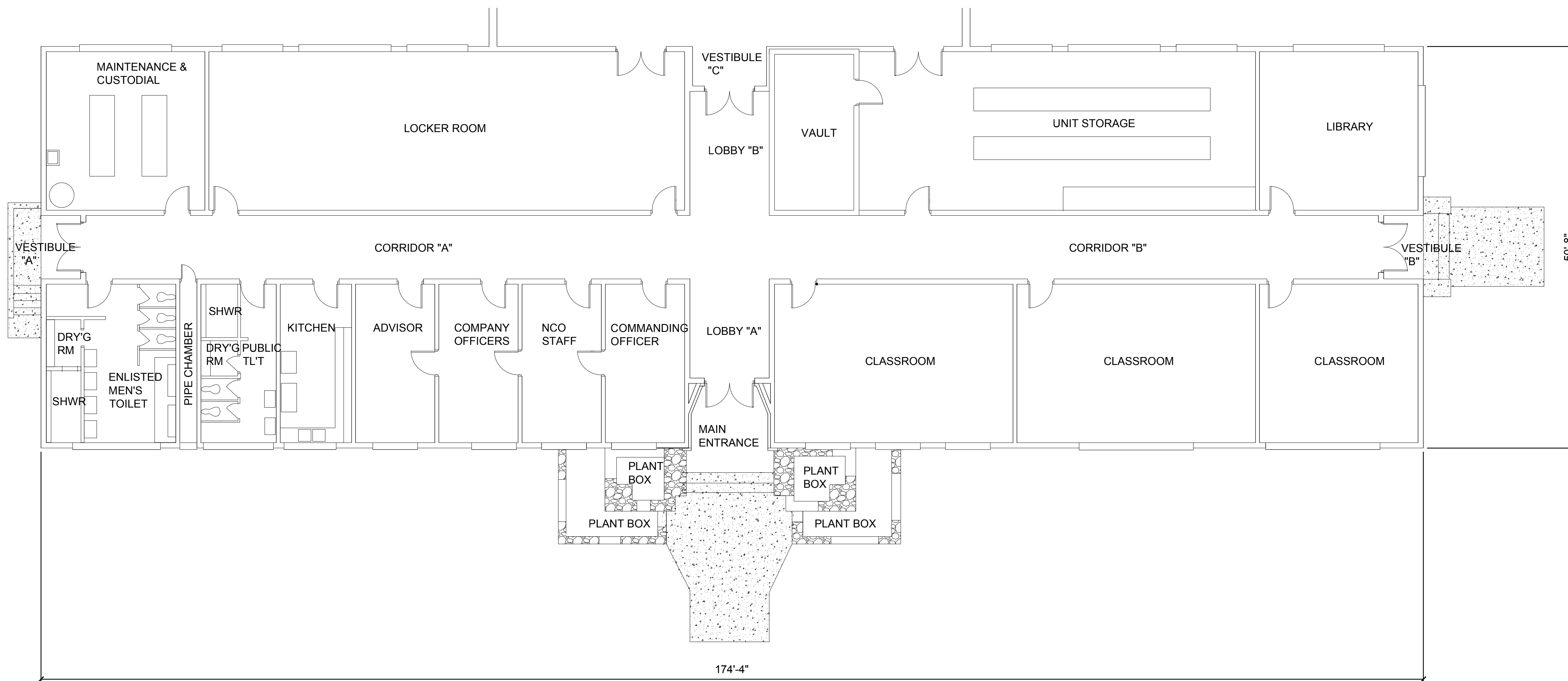
1. DEMOLISH EXISTING ENTRY LOBBY COMPLETELY AND ALL ASSOCIATED COMPONENTS.
2. REMOVE EXISTING FIRE SPRINKLER RISER.
3. REMOVE EXISTING DOORS, DOOR FRAMES AND ALL ASSOCIATED COMPONENTS INCLUDING THRESHOLD, TRIM AND HARDWARE.
4. DEMOLISH ALL WALLS.
5. REMOVE EXISTING FLOOR SLAB INCLUDING CONCRETE CURBS, RAMPS, WALKWAYS AND ALL ITEMS AFFECTED.
6. REMOVE FLOORING IN ALL ROOMS.
7. REMOVE EXISTING FIXED GLASS, FRAMES AND ALL ASSOCIATED COMPONENTS.
8. REMOVE STAIRS, RAILING AND ALL ASSOCIATED COMPONENTS.
9. REMOVE AND DISPOSE OF ACT SUSPENDED CEILING SYSTEM, PANELS, FIXTURES AND ALL ASSOCIATED COMPONENTS.
10. CONTRACTOR SHALL REMOVE ALL INTERIOR PARTITIONS, GLAZING, DOORS AND FRAMES AND MILLWORK.
11. CONTRACTOR SHALL REMOVE ALL ELECTRICAL, TELECOMMUNICATION WIRING AND TERMINAL BLOCKS AND JUNCTION BOXES. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.
12. CONTRACTOR SHALL REMOVE ALL FLOOR FINISHES, WALL COVERING AND WALL BASE.

**MECHANICAL DEMOLITION NOTES:**

1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY AND COUNTY OF HONOLULU, STATE OF HAWAII, FEDERAL EPA AND OTHER APPLICABLE STANDARDS AND CODES.
2. WORK SHALL BE COORDINATED WITH THE BOARD OF WATER SUPPLY, FIRE DEPARTMENT, DEPARTMENT OF PLANNING AND PERMITTING AND WITH THE D.O.D. HAWAII ARMY NATIONAL GUARD.
3. AIR CONDITIONING AND REFRIGERATION SYSTEMS SHALL BE DE-COMMISSIONED IN ACCORDANCE WITH LATEST EPA STANDARDS. REFRIGERANT SHALL BE RECOVERED, AND REMOVED FROM THE SITE FOR RECYCLING.
4. ALL MECHANICAL DEMOLITION SHALL BE COORDINATED WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR, DEMOLITION CONTRACTOR, SITE UTILITIES CONTRACTOR AND WITH THE ELECTRICIAN. SEE HAZARDOUS MATERIALS DRAWINGS AND NOTES.
5. THE MECHANICAL SCOPE OF THIS PROJECT INCLUDES BUT IS NOT LIMITED TO DEMOLITION OF THE ENTIRE BUILDING WHICH INCLUDES ALL HVAC, PLUMBING AND FIRE SPRINKLER SYSTEMS.

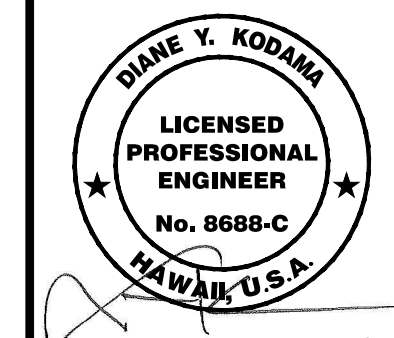


KEYMAP  
SCALE: NTS  
PLAN NORTH



**DEMOLITION FLOOR PLAN - 1**

SCALE: 1/8" = 1'-0"  
0 2 6 12



REV	DATE	DESCRIPTION

SUBMITTAL PHASE		100% FINAL
SUBMITTAL DATE		5/18/16
DES	DK	DRW
RA	CHK	DK

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
DEMOLITION OF BUILDING 301  
DEMOLITION FLOOR PLAN - 1

SCALE:	AS NOTED
STATE JOB NO.	CA-1418-C
FEDERAL PROJECT NO.	-
SHEET	12 OF 15

AD101

1

2

3

4

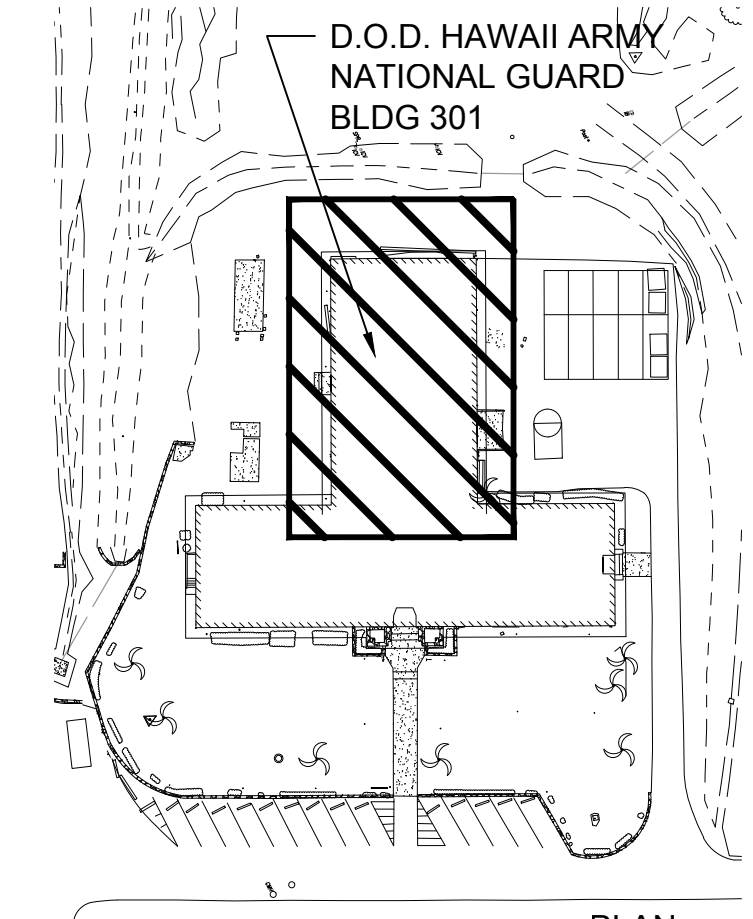
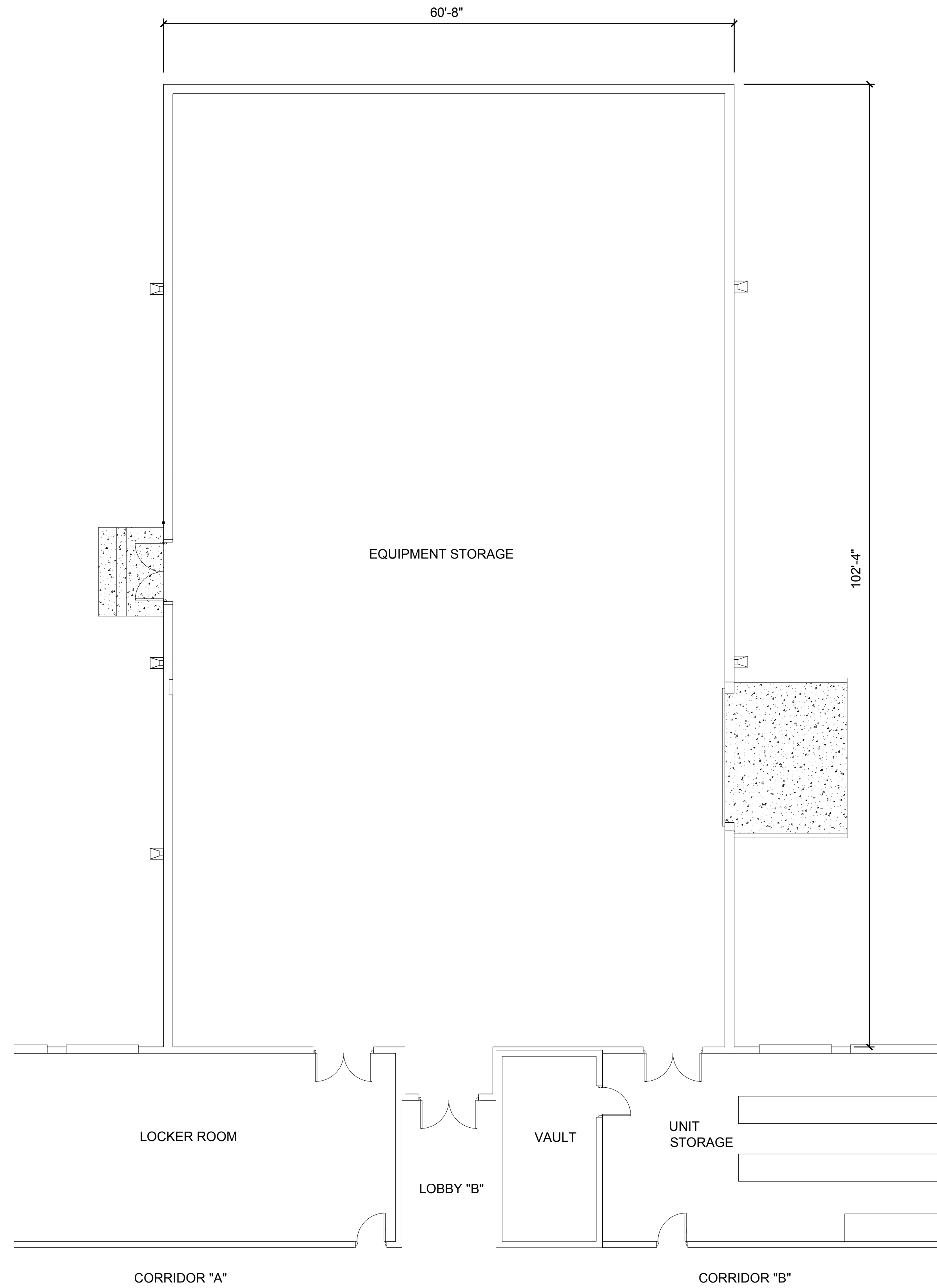
5

D

C

B

A

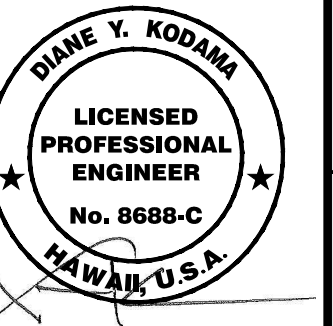


NOTE:  
SEE DEMOLITION NOTES ON SHEET AD101.



**AECOM**

1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813



SEAL

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

DATE

DESCRIPTION

**DEMOLITION FLOOR PLAN - 2**

SCALE: 1/8" = 1'-0"



DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII

STATE OF HAWAII  
FACILITY MANAGEMENT OFFICE  
FORT RUGER

DEMOLITION OF BUILDING 301  
DEMOLITION FLOOR PLAN - 2

SCALE: AS NOTED

STATE JOB NO. CA-1418-C

FEDERAL PROJECT NO.

SHEET 13 OF 15

AD102

1

2

3

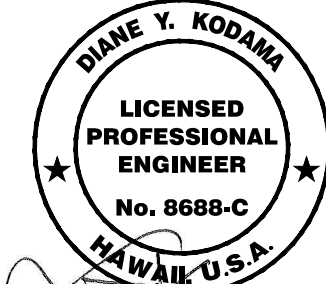
4

5



**AECOM**

1001 BISHOP ST, SUITE 1600  
HONOLULU, HAWAII 96813



DATE	DESCRIPTION

100% FINAL

SUBMITTAL DATE 5/18/16

DES DK DRW RA CHK DK

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII

DEMOLITION OF BUILDING 301  
ELECTRICAL SITE DEMOLITION PLAN

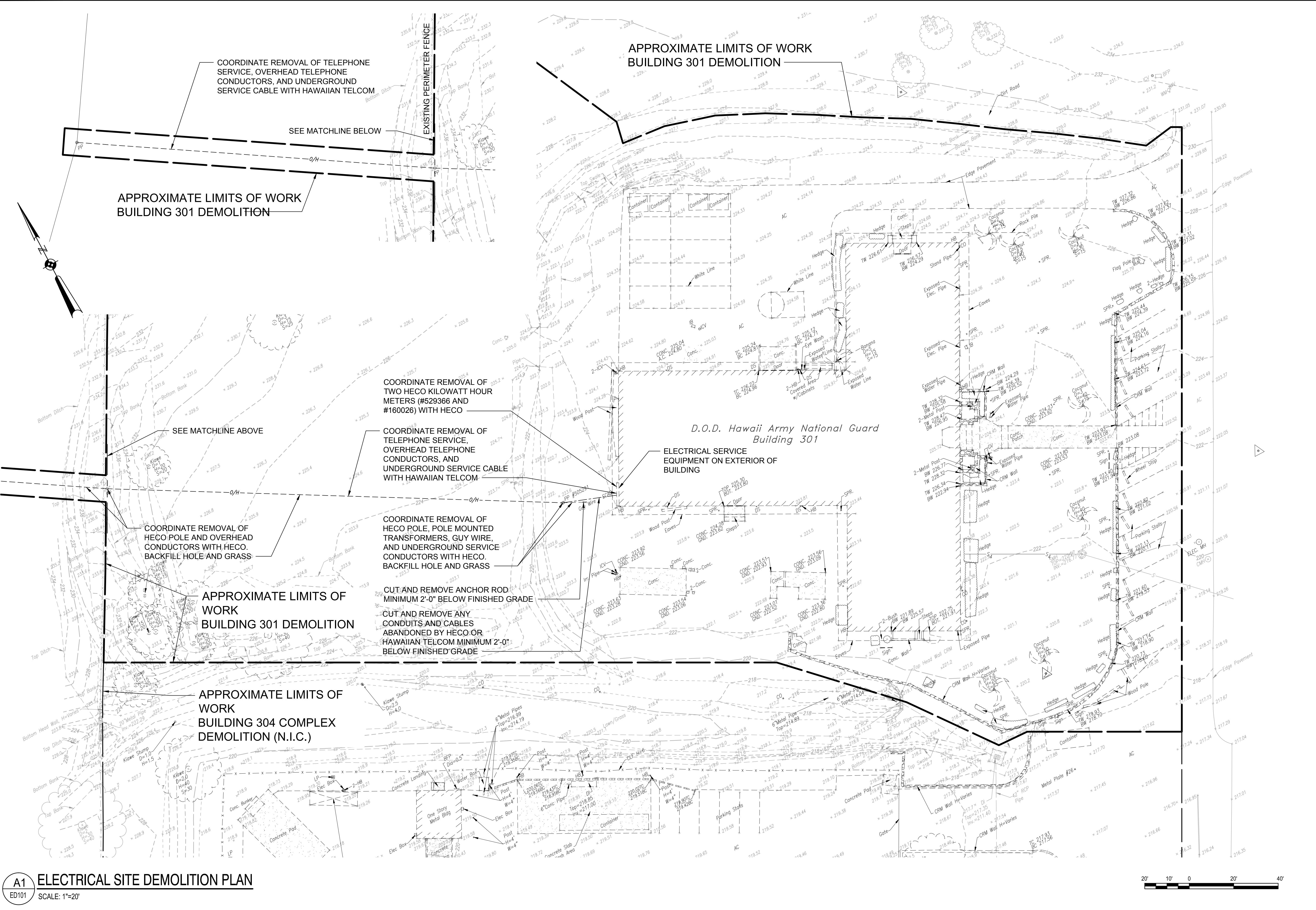
SCALE: AS NOTED

STATE JOB NO. CA-1418-C

FEDERAL PROJECT NO.

SHEET 14 OF 15

ED101



**A1** ELECTRICAL SITE DEMOLITION PLAN  
ED101 SCALE: 1"=20'

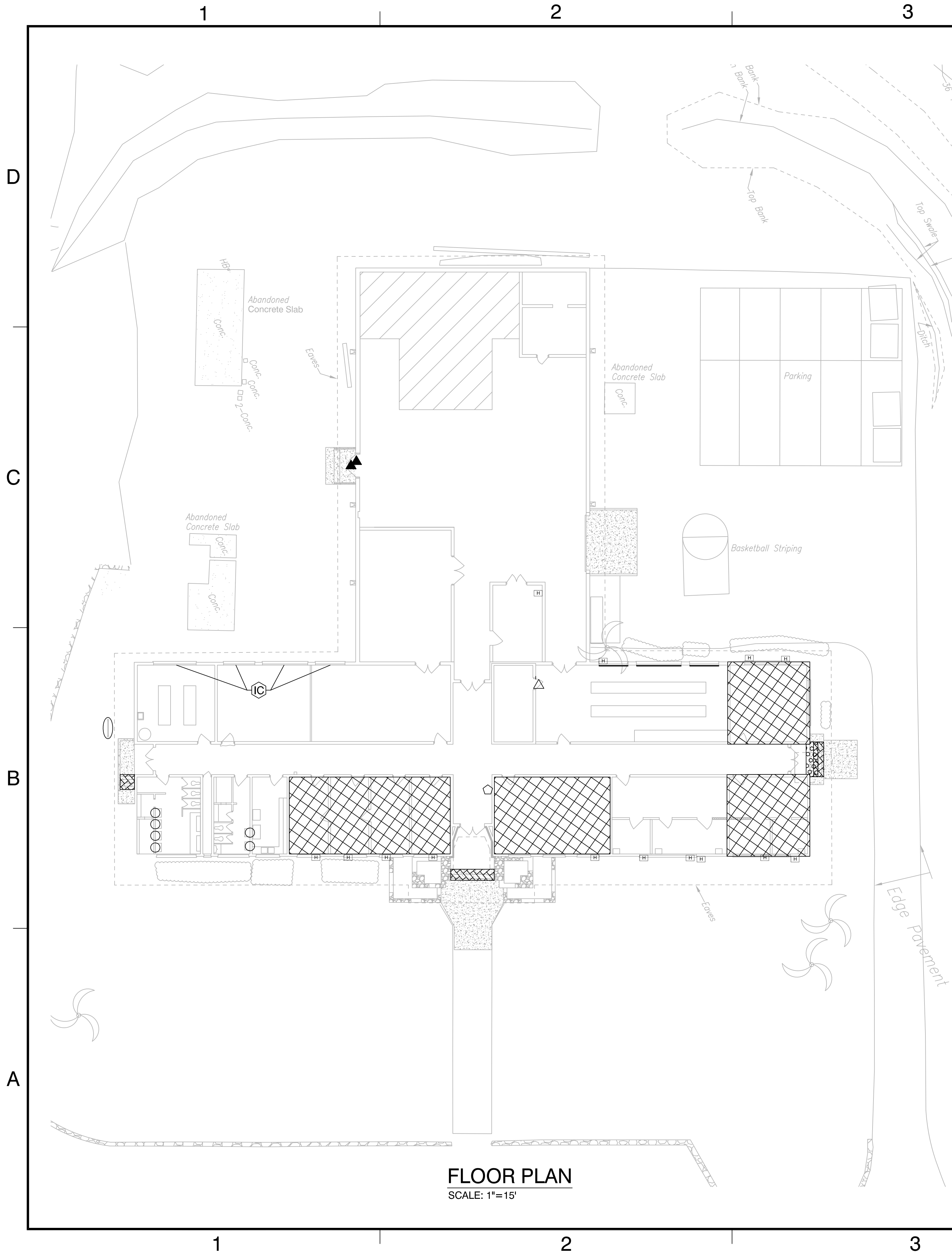
1

2

3

4

5



**FLOOR PLAN**  
SCALE: 1"=15'

**LEGEND:**

SUMMARY OF ASBESTOS-CONTAINING MATERIALS	
DESCRIPTION	SYMBOL
GRAY INTERIOR WINDOW CAULKING	⊠
ASBESTOS CONTAINING FLOOR TILE OR MASTIC	▨
PRESUMED ASBESTOS-CONTAINING MATERIALS	
DESCRIPTION	SYMBOL
METAL FIRE DOOR INSULATION (2)	▲
VAULT DOOR INSULATION (1)	△
MIRROR MASTIC	○

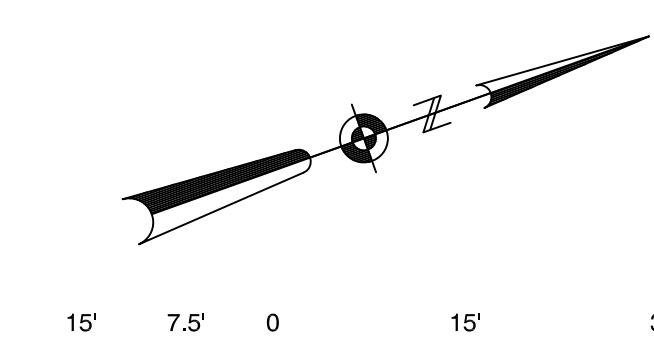
SUMMARY OF LEAD-BASED PAINT		
DESCRIPTION		SYMBOL
RED PAINT ON METAL FIRE EXTINGUISHER FRAME		⬠
YELLOW PAINT ON STAIRS		▨
YELLOW PAINT OVER ORANGE PAINT ON STANDING METAL PIPE FRAME		○
RED OVER BLUE PAINT ON NORTH CONCRETE STAIRS		⊠

SUMMARY OF OTHER POTENTIALLY HAZARDOUS MATERIALS		
DESCRIPTION	LOCATION	SYMBOL
FLUORESCENT AND HALIDE LIGHT FIXTURES	THROUGHOUT	N/A
IN-WINDOW AC UNITS (14)	AS SHOWN	⊠

SUMMARY OF INACCESSIBLE AREAS	
DESCRIPTION	SYMBOL
NORTHWEST END OF ROOM 17 WAS BLOCKED BY EQUIPMENT	▨

**NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING, REMOVAL, AND DISPOSAL OF ALL HAZARDOUS MATERIALS SHOWN, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND ALL APPLICABLE LAWS, RULES, REGULATIONS AND OTHER REQUIREMENTS.
- THE IDENTITIES, LOCATIONS, AND QUANTITIES OF ALL HAZARDOUS MATERIALS SHOWN ARE AS DESCRIBED IN THE HAZARDOUS MATERIALS (HAZMAT) REPORT ENTITLED "HAZARDOUS AND RECYCLABLE MATERIALS SURVEY, HIARNG CERFP BUILDING 301 AND CSMS-1 BUILDING 304 COMPLEX, 4204 DIAMOND HEAD ROAD" (AECOM 2015). ASBESTOS, PAINT WITH LEAD, PCBS, AND MERCURY WERE CONFIRMED TO BE PRESENT.
- FOR SAMPLE LOCATIONS AND SURVEY LIMITATIONS, SEE THE HAZMAT REPORT. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE FINDINGS AND LIMITATIONS OF THE HAZMAT REPORT, INCLUDING THE TYPE AND EXTENT OF IDENTIFIED HAZARDOUS MATERIALS, AS WELL AS MATERIALS FOUND NOT TO BE HAZARDOUS.
- ALL HAZARDOUS MATERIALS SHALL BE ASSUMED TO EXTEND BELOW WALLS AND FLOORS, OR INTO AND ABOVE WALLS AND PARTITIONS.
- IF ANY SUSPECT, POTENTIALLY HAZARDOUS MATERIALS NOT SHOWN ARE ENCOUNTERED, STOP WORK IN THE AREA AND IMMEDIATELY NOTIFY THE ENGINEER. PROCEED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND ALL APPLICABLE LAWS, RULES, REGULATIONS, AND OTHER REQUIREMENTS.
- IF ANY NEW PAINTS ARE ENCOUNTERED, INCLUDING IN AREAS THAT WERE INACCESSIBLE DURING THE SURVEY, THEY SHALL BE CONSIDERED TO BE LEAD-BASED PAINT. NOTIFY THE ENGINEER AND PROCEED IN ACCORDANCE WITH SECTION 13282.
- CONTRACTOR SHALL PRODUCE AN ASBESTOS HAZARD ABATEMENT PLAN AND A LEAD MANAGEMENT PLAN AS DESCRIBED IN SECTIONS 13281 AND 13282.
- THE CONTRACTOR SHALL PROVIDE THE REQUIRED DOCUMENTATION AND CERTIFICATIONS, AS DESCRIBED IN SECTIONS 13281 AND 13282, TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- THERE ARE NO AS-BUILTS BUT CONSTRUCTION DRAWINGS WERE USED TO PREPARE THE DRAWINGS. THEREFORE ALL DIMENSIONS AND FEATURES ARE APPROXIMATE AND THE CONTRACTOR MUST CONFIRM THEIR EXTENTS AND QUANTITIES PRIOR TO SUBMITTING A BID AND BEGINNING WORK. IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- OF THE FORTY-FIVE (45) DISTINCT PAINTS AND CERAMIC TILES TYPES IDENTIFIED, TWENTY-EIGHT (28) WERE CONFIRMED TO CONTAIN LEAD, BUT AT CONCENTRATIONS BELOW 0.5%. THESE PAINTS ARE NOT SHOWN, BUT SAMPLING LOCATIONS AND PAINT AND CERAMIC TYPES ARE INDICATED AND DESCRIBED IN THE HAZMAT REPORT. THE CONTRACTOR SHALL PROVIDE APPROPRIATE WORKER PROTECTION, SATISFY ANY DISPOSAL FACILITY REQUIREMENTS, AND FOLLOW RELATED REQUIREMENTS AS DESCRIBED IN THE CONTRACTOR'S LEAD MANAGEMENT PLAN.
- ANY SURFACE WHICH APPEARS HOMOGENEOUS WITH THE PAINT-WITH-LEAD DESCRIBED IN THE HAZMAT REPORT SHALL BE ASSUMED TO CONTAIN A COMPARABLE AMOUNT OF LEAD AND SHALL BE HANDLED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, SECTION 13282, AND THE CONTRACTOR'S APPROVED LEAD MANAGEMENT PLAN.
- CONTRACTOR SHALL OBTAIN APPROVAL OF ALL SUBMITTALS PRIOR TO BEGINNING WORK. ANY COSTS RELATED TO DELAYS DUE TO SUBMITTALS SHALL BE BORNE BY THE CONTRACTOR.



**AECOM**  
1001 BISHOP ST., SUITE 1600  
HONOLULU, HAWAII 96813

FRANK L. CIOFFI, JR.  
LICENSED PROFESSIONAL ENGINEER  
No. 12335-C  
HAWAII, U.S.A.

SUBMITTAL PHASE  
**100% FINAL**

SUBMITTAL DATE  
05/18/16

DES FC DRW RS CHK FK

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
**DEMOLITION OF BUILDING 301**  
HAZARDOUS MATERIALS  
FORT RUGER

SCALE: 1" = 15'-0"  
STATE JOB NO. CA-1418-D  
FEDERAL PROJECT NO. --  
SHEET 15 OF 15  
**H-101**