

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(38)	2002	3	73

1. THE SCOPE OF WORK FOR THIS PROJECT CONSISTS OF WIDENING THE EXISTING KUPAPAPULUA BRIDGE, WIDENING THE BRIDGE APPROACH ROADS AND CONSTRUCTING ROADWAY PAVEMENT OVERLAY, INSTALLING NEW GUARDRAILS, SIGNS AND PAVEMENT MARKERS.
2. THE CONTRACTOR IS REMINDED OF THE REQUIREMENTS OF SUBSECTION 108.01-SUBLETTING OF CONTRACT, WHICH REQUIRES HIM TO PERFORM WORK AMOUNTING TO NOT LESS THAN 50 PERCENT OF THE TOTAL CONTRACT COST LESS DEDUCTIBLE ITEMS. NON-COMPLIANCE WITH THIS SUBSECTION MAY BE GROUNDS FOR REJECTION OF BID.
3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FOLLOWING SECTIONS OF THE SPECIAL PROVISIONS: SUBSECTION 107.13-PUBLIC CONVENIENCE AND SAFETY; SUBSECTION 107.21-CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES; AND SECTION 645-TRAFFIC CONTROL.
4. AT THE END OF EACH DAY'S WORK, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND OTHER OBSTRUCTIONS TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC.
5. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, MANHOLES, MONUMENTS AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM THE THE LATEST AVAILABLE DATA BUT THE ACCURACY IS NOT GUARANTEED. THE ENCOUNTERING OF OTHER OBSTACLES DURING THE COURSE OF WORK IS POSSIBLE. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGES INCURRED TO THE EXISTING FACILITIES AND/OR IMPROVEMENTS AS A RESULT OF HIS OPERATIONS.
6. THE EXACT LOCATIONS AND LIMITS OR AREAS TO BE FILLED WITH LEVELING COURSE, RECONSTRUCTED AND COLD PLANED SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. NO SECTION OF INCOMPLETE GUARDRAIL, FOOTING AND/OR EXCAVATION SHALL BE LEFT UNSHIELDED AT THE END OF EACH WORK DAY.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING, TWO (2) WEEKS PRIOR TO STARTING PAVING OPERATIONS.
9. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING RAISED PAVEMENT MARKERS PRIOR TO OVERLAYING OF ASPHALT CONCRETE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ASPHALT CONCRETE PAVEMENT, MIX NO. V AND WILL NOT BE PAID FOR SEPARATELY.
10. ALL HOLES, DEPRESSIONS AND WHEEL RUTS SHALL BE FILLED AND COMPACTED WITH ASPHALT CONCRETE PAVEMENT, MIX NO. V PRIOR TO RESURFACING. THIS WORK WILL BE PAID FOR UNDER ASPHALT CONCRETE PAVEMENT, MIX NO. V.
11. SMOOTH RIDING CONNECTIONS SHALL BE CONSTRUCTED AT ALL LIMITS OF RESURFACING, INCLUDING THE BEGINNING AND END OF PROJECT, CONNECTING APPROACHES, SIDE STREETS AND DRIVEWAYS AS APPLICABLE AND/OR AS DIRECTED BY THE ENGINEER.
12. DRESSING OF SHOULDERS, SHALL CONSIST OF CLEARING, GRUBBING, GRADING RESHAPING AND COMPACTING THE UNPAVED SHOULDERS WITH SUITABLE MATERIAL AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.

13. EXISTING DRAINAGE SYSTEM WILL BE FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS TO FURNISH MATERIALS, EQUIPMENT, LABOR, TOOLS AND INCIDENTALS NECESSARY TO MAINTAIN FLOW. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.
14. EARTH SWALE SHALL BE GRADED TO DRAIN. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
15. THE CONTRACTOR SHALL PROVIDE ACCESS TO AND FROM ALL EXISITNG SIDE STREETS AT ALL TIMES.
16. ALL SAW CUTTING WORK SHALL BE CONSIDERED INCIDENTAL TO EXCAVATION FOR RECONSTRUCTION OF WEAKENED PAVEMENT AREAS.
17. PORTABLE BARRIER:

PROVIDING, TRANSPORTING, PLACING, MAINTAINING, RELOCATING AND REMOVAL OF PORTABLE BARRIERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS ITEMS OF WORK. SEE SECTION 645, TRAFFIC CONTROL DEVICES OF THE SPECIAL PROVISIONS.

INSTALL STEADY BURN AMBER LAMPS ON PORTABLE CONCRETE BARRIER @ 20.0' O.C. INSTALLING, MAINTAINING AND CHANGING BATTERIES OF THE PORTABLE MOUNTED STEADY BURN AMBER LAMPS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS ITEMS OF WORK
18. INERTIAL BARREL:

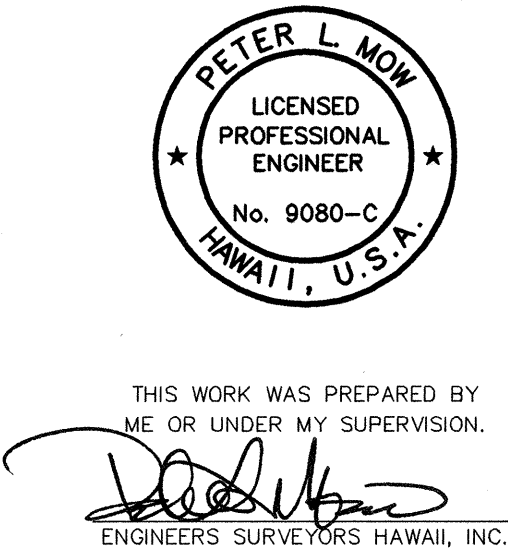
TYPICAL LAYOUT WILL VARY BASED ON SPEED AND MANUFACTURER OF SYSTEM USED. INSTALLATION SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS AND ROADSIDE DESIGN GUIDE.

ENDS OF PORTABLE BARRIERS SHALL BE PROTECTED WITH INERTIAL BARRELS AS SHOWN ON SHEET 33.

FURNISHING AND INSTALLING INERTIAL BARRIERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
19. THE CONTRACTOR MAY CONTRUCT AN ACCESS ROAD FOR SUBSTRUCTURE WORK. DESIGN OF THE ACCESS ROAD SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE ACCESS ROAD SHALL BE CONSTRUCTED WITHIN THE EXISTING OR NEW RIGHT-OF-WAY. UPON COMPLETION OF WORK, THE ACCESS ROAD SHALL BE REMOVED AND THE AREA SHALL BE RESTORED APPROXIMATELY TO ITS ORIGINAL CONDITION OR AS APPROVED BY THE ENGINEER. ALL COST FOR THE ACCESS ROAD SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT BID ITEMS.

10/2/02

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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

NOTES

HAWAII BELT ROAD  
KUPAPAPULUA BRIDGE WIDENING  
HAMAKUA DISTRICT  
Federal-Aid Project No. BR-019-2(38)

Scale: As Noted      Date: Oct 2001

SHEET No. C-1 OF 41 SHEETS



FED.ROAD DIST.NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-019-2(38)	2002	4	73

WATER POLLUTION AND EROSION CONTROL NOTES:

A. GENERAL:

1. THE CONTRACTOR IS REMINDED OF THE THE REQUIREMENTS OF SECTION 209 – WATER POLLUTION AND EROSION CONTROL, IN THE "HAWAII STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND PUBLIC WORKS CONSTRUCTION". SECTION 209 DESCRIBES BUT IS NOT LIMITED TO: SUBMITTAL REQUIREMENTS; SCHEDULING OF A WATER POLLUTION AND EROSION CONTROL CONFERENCE WITH THE ENGINEER; CONSTRUCTION REQUIREMENTS; METHOD OF MEASUREMENT; AND BASIS OF PAYMENT.
2. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE "BEST MANAGEMENT PRACTICES MANUAL FOR CONSTRUCTION SITES IN HONOLULU" DATED MAY 1999 IN DEVELOPING, INSTALLING AND MAINTAINING THE BEST MANAGEMENT PRACTICES (BMP) FOR THE PROJECT.
3. THE ENGINEER MAY ASSESS LIQUIDATED DAMAGES OF UP TO \$25,000 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 ENGINEER WILL DEDUCT THE COST FROM THE PROGRESS PAYMENT FOR ALL CITATIONS RECEIVED BY THE DEPARTMENT FOR NON-COMPLIANCE, OR THE CONTRACTOR SHALL REIMBURSE THE STATE FOR THE FULL AMOUNT OF THE OUTSTANDING COST INCURRED BY THE STATE.

B. WASTE DISPOSAL:

1. WASTE MATERIALS  
ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. 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 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 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.

C. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

1. ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND 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 FORM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
4. SILT SCREEN OR FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO VERIFY THAT THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS OR CONCRETE SLAB AND TO VERIFY THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. THE BOTTOM OF THE SILT-SCREEN SHALL BE INSPECTED AND VERIFIED THAT IT IS BURIED A MINIMUM OF 6-INCHES BELOW THE EXISTING GROUND.
5. TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS AND HEALTHY GROWTH.

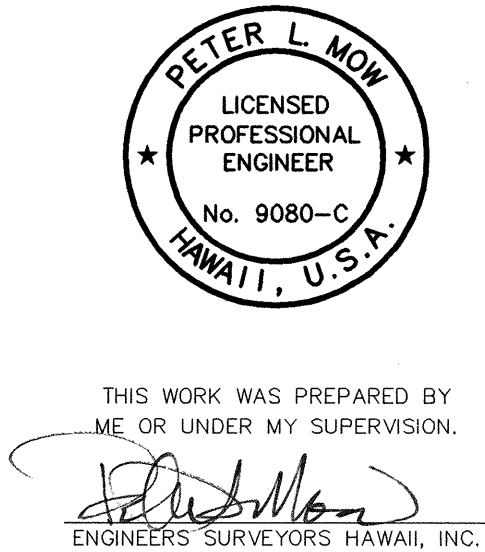
6. A MAINTENANCE INSPECTION REPORT SHALL BE MADE PROMPTLY AFTER EACH INSPECTION BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL SELECT A MINIMUM OF THREE PERSONNEL WHO SHALL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
8. PERSONNEL 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.

D. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:

1. 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.
- CONCRETE  
DETERGENTS  
PAINTS (ENAMEL ND LATEX)  
METAL STUDS  
TAR

FERTILIZERS  
PETROLEUM BASED PRODUCTS  
CLEANING SOLVENTS  
WOOD  
MASONRY BLOCKS
- 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 PRODUCT 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 THE MANUFACTURER.
- f. WHENEVER POSSIBLE, 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.
2. 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.
- c. SURPLUS PRODUCTS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR LOCAL AND STATE RECOMMENDED METHODS.

SURVEY PLOTTED BY _____	DATE _____
DRAWN BY _____	DESIGNED BY _____
NOTE BOOK _____	QUANTITIES BY _____
ORIGINAL PLAN _____	CHECKED BY _____
No. _____	



STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
WATER POLLUTION AND	
EROSION CONTROL NOTES	
HAWAII BELT ROAD	
KUPAPAAULUA BRIDGE WIDENING	
HAMAKUA DISTRICT	
Federal-Aid Project No. BR-019-2(38)	
Scale: As Noted	Date: Oct 2001
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WATER POLLUTION AND EROSION CONTROL NOTES: (CONT.)

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3. ONSITE AND OFFSITE PRODUCT SPECIFIC PLAN

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.
- 2) FERTILIZERS:  
FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE SHALL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
- 3) PAINTS:  
ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE HIGHWAY DRAINAGE SYSTEM BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
- 4) CONCRETE TRUCKS:  
CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT OR DISCHARGE DRUM WASH WATER ONLY AT A DESIGNATED SITE. WATER SHALL NOT BE DISCHARGED IN THE HIGHWAY DRAINAGE SYSTEM OR WATERS OF THE UNITED STATES. THE CONTRACTOR SHALL CONTACT DRINKING WATER BRANCH, DEPARTMENT OF HEALTH AT 586-4258 TO RECEIVE PERMISSION TO DESIGNATE A DISPOSAL SITE. THE CONTRACTOR SHALL CLEAN DISPOSAL SITE AS REQUIRED OR AS REQUESTED BY THE OWNER'S REPRESENTATIVE.

b. OFFSITE VEHICLE TRACKING:

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE SHALL BE CLEANED DAILY OR AS REQUIRED TO REMOVE ANY EXCESS MUD, COLD PLANED MATERIALS, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN.

4. SPILL CONTROL PLAN

- a. A SPILL PREVENTION PLAN SHALL BE POSTED AND ADJUSTED TO INCLUDE A DESCRIPTION AND CAUSE OF EACH SPILL, MEASURES TO PREVENT AND CLEAN UP EACH SPILL.
- b. THE CONTRACTOR SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR SHALL DESIGNATE AT LEAST THREE SITE PERSONNEL WHO SHALL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUAL SHALL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL SHALL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.
- c. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- d. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE.
- e. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- f. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- g. SPILLS OF TOXIC HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

5. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE ESCAPE, DISPOSAL OR RELEASE OF ANY HAZARDOUS MATERIALS EXCEPT AS PERMITTED BY LAW. THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, SHALL NOT ALLOW THE STORAGE OR USE OF SUCH MATERIALS IN ANY MANNER NOT SANCTIONED BY LAW OR BY THE HIGHEST STANDARDS PREVAILING IN THE INDUSTRY FOR THE STORAGE AND USE OF SUCH MATERIALS, NOR ALLOW TO BE BROUGHT ONTO THE RIGHT-OF-AREA ANY SUCH MATERIALS EXCEPT TO USE IN THE ORDINARY COURSE OF BUSINESS OF THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, AND THEN ONLY AFTER WRITTEN NOTICE IS GIVEN TO THE STATE OF THE IDENTITY OF SUCH MATERIALS AND UPON THE STATE'S CONSENT WHICH MAY BE WITHHELD AT THE STATE'S SOLE AND ABSOLUTE DISCRETION. IF ANY LENDER OR GOVERNMENTAL AGENCY SHALL EVER REQUIRE TESTING TO ASCERTAIN WHETHER OR NOT THERE HAS BEEN ANY RELEASE OF HAZARDOUS MATERIALS BY THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, THEN THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, SHALL BE RESPONSIBLE FOR THE REASONABLE COST THEREOF. IN ADDITION, THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, SHALL EXECUTE AFFIDAVITS, REPRESENTATIONS AND THE LIKE FROM TIME TO TIME AT THE STATE'S REQUEST CONCERNING THE BEST KNOWLEDGE AND BELIEF OF THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, REGARDING THE PRESENCE OF HAZARDOUS MATERIALS ON THE RIGHT-OF-ENTRY AREA PLACED OR RELEASED BY THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF.

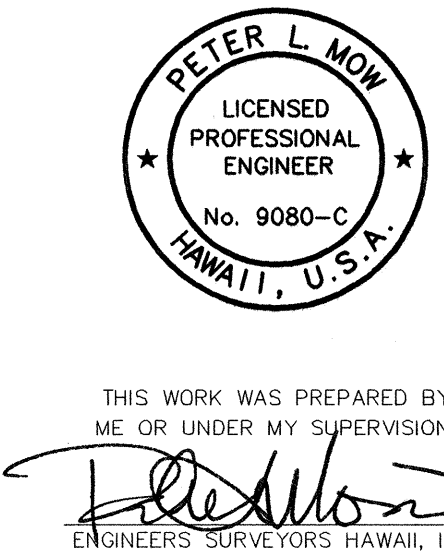
THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, AGREE TO INDEMNIFY, DEFEND, AND HOLD THE STATE HARMLESS, FROM ANY DAMAGES AND CLAIMS RESULTING FROM THE RELEASE OF HAZARDOUS MATERIALS ON THE RIGHT-OF-ENTRY AREA OCCURRING WHILE THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF, IS IN POSSESSION, OR ELSEWHERE IF CAUSED BY THE CONTRACTORS AND/OR PERSONS ACTING FOR OR ON ITS BEHALF. THESE COVENANTS SHALL SURVIVE THE EXPIRATION OR EARLIER TERMINATION OF THE CONSTRUCTION RIGHT-OF-ENTRY.

FOR PURPOSES OF THIS "HAZARDOUS MATERIAL" SHALL MEAN ANY POLLUTANT, TOXIC SUBSTANCE, HAZARDOUS WASTE, HAZARDOUS MATERIAL, HAZARDOUS SUBSTANCE, OR OIL AS DEFINED IN OR PURSUANT TO THE RESOURCE CONSERVATION AND RECOVERY ACT, AS AMENDED, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT, AS AMENDED, THE FEDERAL CLEAN WATER ACT, OR ANY ORDINANCE, RULE, OR BY-LAW, WHETHER EXISTING AS OF THE DATE HEREOF, PREVIOUSLY ENFORCED, OR SUBSEQUENTLY ENACTED.

E. PERMIT REQUIREMENTS:

1. IF A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IS REQUIRED FOR CONSTRUCTION ACTIVITIES OF FIVE ACRES OR MORE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOUR SETS OF THE WATER POLLUTION AND EROSION CONTROL SUBMITTALS AS DETAILED IN SUBSECTION 209.04 OF THE SPECIFICATIONS.
2. IF A NPDES PERMIT FOR CONSTRUCTION DEWATERING IS REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE PERMIT FROM THE DEPARTMENT OF HEALTH, CLEAN WATER BRANCH.
3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL PERMIT CONDITIONS.

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>WATER POLLUTION AND EROSION CONTROL NOTES</b>	
HAWAII BELT ROAD KUPAPAUHUA BRIDGE WIDENING HAMAKUA DISTRICT Federal-Aid Project No. BR-019-2(38)	
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