

Tue, 20 Apr 2004 - 9:16am
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		

GENERAL NOTES

- THE SCOPE OF WORK FOR THIS PROJECT CONSISTS OF BUT NOT LIMITED TO THE INSTALLATION OF TRAFFIC SIGNAL SYSTEMS, INSTALLATION OF INTERCONNECT CABLES, REMOVAL OF EXISTING TRAFFIC SIGNS, AND INSTALLATION OF TRAFFIC AND STREET NAME SIGNS.
- 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.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FOLLOWING SECTIONS OF THE SPECIAL PROVISIONS: SUBSECTION 104.04 - MAINTENANCE OF TRAFFIC; SUBSECTION 107.13 - PUBLIC CONVENIENCE AND SAFETY; SUBSECTION 107.21 - CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES; AND SECTION 645 - TRAFFIC CONTROL.
- AT THE END OF EACH DAY'S WORK, THE CONTRACTOR SHALL REMOVE EQUIPMENT AND OTHER OBSTRUCTIONS TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES, MANHOLES, MONUMENTS AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM 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.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING, TWO (2) WEEKS PRIOR TO STARTING PAVING OPERATIONS.
- 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.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO AND FROM ALL EXISTING SIDE STREETS AT ALL TIMES.
- ALL SAW CUTTING WORK SHALL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.

VERIZON HAWAII INC GENERAL NOTES

- THE LOCATION OF VERIZON HAWAII, INC COMPANY'S EXISTING FACILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION AND SHALL MAINTAIN PROPER CLEARANCES WHENEVER CONSTRUCTION CROSSES OR IS IN CLOSE PROXIMITY OF VERIZON HAWAII INC FACILITIES. THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND SHALL BE LIABLE FOR ANY DAMAGES TO VERIZON HAWAII INC FACILITIES. ANY DAMAGES SHALL BE REPORTED IMMEDIATELY TO VERIZON HAWAII INC COMPANY'S REPAIR SECTION AT #611 (24 HOURS) OR TO THE EXCAVATION PERMIT SECTION AT 242-5114 (NORMAL WORKING HOURS, MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS).
- FOR UNDERGROUND CABLE LOCATING AND MARKING, FIVE WORKING DAYS ADVANCE NOTICE IS REQUIRED. THREE WORKING DAYS ADVANCE NOTICE IS REQUIRED FOR ANY INSPECTION BY A DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTION NOT TO DAMAGE ANY EXISTING CABLES OR CONDUITS. ANY WORK INVOLVING EXISTING VERIZON HAWAII INC CABLES OR CONDUITS, SHALL BE DONE IN THE PRESENCE OF A VERIZON HAWAII INC INSPECTOR OR DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT AND TONING REQUEST FROM VERIZON HAWAII INC COMPANY'S ENGINEERING DIVISION, LOCATED AT 60 S. CHURCH STREET, TWO WEEKS PRIOR TO THE START OF CONSTRUCTION. HOURS OF BUSINESS IS 7:00 AM TO 10:30 AM AND 11:30 AM TO 3:00 PM MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS.
- THE CONTRACTOR SHALL NOTIFY VERIZON HAWAII INC COMPANY'S INSPECTOR OR DESIGNATED REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO EXCAVATION, BRACING OR BACKFILLING OF VERIZON HAWAII INC'S STRUCTURES OR FACILITIES.
- WHEN EXCAVATION IS ADJACENT TO OR BENEATH VERIZON HAWAII INC'S EXISTING STRUCTURES OR FACILITIES, THE CONTRACTOR SHALL:
 - SHEET AND/OR BRACE THE EXCAVATION TO PREVENT SLIDES, CAVE-INS OR SETTLEMENTS TO ENSURE NO MOVEMENT TO VERIZON HAWAII INC'S STRUCTURES OR FACILITIES.
 - PROTECT EXISTING STRUCTURES AND/OR FACILITIES WITH BEAMS, STRUTS OR UNDERPINNING WHILE EXCAVATING BENEATH THEM TO ENSURE NO MOVEMENT TO VERIZON HAWAII INC'S STRUCTURES OR FACILITIES.

DEPARTMENT OF WATER SUPPLY

CONSTRUCTION PLAN REVIEW FOR MECO, VERIZON HAWAII INC., AND CABLE PROJECTS

I. NOTES:

- THE CONTRACTOR/UTILITY COMPANY SHALL CONTACT THE DEPARTMENT OF WATER SUPPLY AT PHONE # 270-7340 ONE (1) WEEK PRIOR TO COMMENCEMENTS OF WORK.
- THE CONTRACTOR/UTILITY COMPANY SHALL BE RESPONSIBLE TO VERIFY THE EXACT DEPTH AND LOCATION OF EXISTING WATERLINES IN THE PROJECT AREA PRIOR TO COMMENCEMENT OF WORK AND SHALL MEET WITH THE DEPARTMENT OF WATER SUPPLY PERSONNEL OUT IN THE FIELD TO HELP LOCATE THE EXISTING WATERLINES IN THE PROJECT AREA IF NECESSARY.
- MAINTAIN A MINIMUM OF THREE (3) FEET CLEAR HORIZONTAL SEPARATION BETWEEN EXISTING WATERLINES AND INSTALLED UTILITIES.
- MAINTAIN A MINIMUM OF SIX (6) INCHES CLEAR VERTICAL SEPARATION BETWEEN EXISTING WATERLINES AND INSTALLED UTILITIES AT ALL CROSSINGS.
- ANY INSTALLED UTILITY CROSSING AN EXISTING WATERLINE SHALL BE CONCRETE JACKETED A MINIMUM OF FIVE (5) FEET ON BOTH SIDE OF THE CROSSING.

MAUI ELECTRIC COMPANY NOTES:

- A UTILITY CO. STANDBY MAN IS REQUIRED TO BE AT THE SITE AT THE TIME ANY NON-UTILITY CO. PERSONNEL WILL BE ENTERING INTO OR WORKING WITHIN THE VICINITY OF ANY FACILITIES THAT CONTAIN ENERGIZED UTILITY CO. EQUIPMENT OR CABLES.
- A MINIMUM OF 15 FEET RADIAL CLEARANCE IS REQUIRED WHEN WORKING WITHIN VICINITY OF ENERGIZED OVERHEAD ELECTRICAL FACILITIES.
- THREE WORKING DAYS ADVANCE NOTICE IS REQUIRED BY THE UTILITY CO. FOR ANY INSPECTION SERVICE OR STANDBY MAN.

CALL MECO --- 871-7777

GENERAL NOTES FOR TRAFFIC CONTROL:

- THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTION, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
- CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTEST FROM THE WORK AREA SHALL BE PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
- REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED. ALL SIGNS SHALL BE RESTORED UPON COMPLETION OF THE WORK.
- FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
- ALL TRAFFIC LANES SHALL BE MINIMUM OF 10 FEET WIDE.
- THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (i.e., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
- AT THE END OF EACH DAYS WORK OR AS SOON AS THE WORK IS COMPLETED, THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION.
- REPLACE PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS UPON COMPLETION OF EACH PHASE OF WORK.
- CONES SHALL BE 28" IN HEIGHT WITH REFLECTIVE STRIPING.
- RESTORE TRAFFIC BACK TO REGULAR TRAVELWAY LANES DURING NON-WORKING HOURS.
- ANY AND ALL EXISTING SIGNAGE AND STRIPING DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED AT HIS EXPENSE

LEGEND:



NEW SIGNS



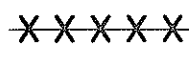
EXISTING SIGNS



NEW AC PAVEMENT



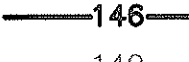
DEMOLISH



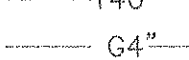
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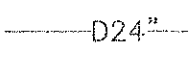
EXISTING FENCE



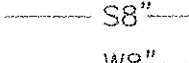
FINISH GRADE



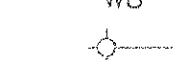
EXISTING GRADE



EXISTING GAS LINE



EXISTING DRAINLINE



EXISTING SEWERLINE

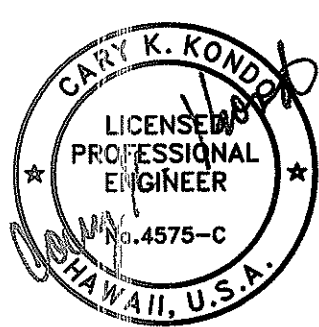


EXISTING WATERLINE



EXISTING FIRE HYDRANT

AC	ASPHALT CONCRETE
CB MH	CATCH BASIN MANHOLE
CONC	CONCRETE
EP	EDGE OF PAVEMENT (NEW) OR ELECTRICAL POLE (EXIST)
EXIST	EXISTING
GP/GDP	GALVANIZED STEEL POST
GW	GUY WIRE
LP	LIGHT POST
MC	METAL COVER
PC	POINT OF CURVATURE
PP	POWER POLE
PT	POINT OF TANGENCY
RF	RAISED PAVEMENT MARKER (RPM)
ROW	RIGHT-OF-WAY
SDMH	STORM DRAIN MANHOLE
SL	SIGNAL LIGHT
SMH	SEWER MANHOLE
SPK	SPRINKLER HEAD
TP	TOP OF PAVEMENT
TS	TOP OF SLAB
TSB	TRAFFIC SIGNAL BOX
WM	WATER METER
WMH	WATER MANHOLE
WS	WHITE STRIPE
WV	WATER VALVE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-04	2004	4	33

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
CONSTRUCTION NOTES	
TRAFFIC OPERATIONAL IMPROVEMENTS	
AT VARIOUS LOCATIONS	
PILANI HIGHWAY AT	
KANANI ROAD	
Project No. HWY-M-05-04	
Scale: AS NOTED	Date: May 2004
SHEET No. 1 OF 1 SHEETS	