JOB NO. KA26-03

PORT ALLEN SBH HURRICANE LOWELL WATER SYSTEM REPAIR AND LIGHTING

WATER SYSTEM REPAIR SITE PLAN

TRUE NORTH

PORT ALLEN HARBOR ROAD (DBOR)

MATCH LINE SFM STA. 3+30 SEE DRAWING C-2

SFM P.I. STA. 2+25
R = 10.0'

EXISTING ELECTRIC EASEMENT

SFM STA. 0+95
1 - 2" 1/8 BEND

SFM STA. 0+74.
1 - 2" 1/8 BEND

SFM P.I. STA. 0+85.4±
R = 10.0'

BENCHMARK
"SPIKE FOUND"
N 3330.59
E 5473.13
ELEV. = 23.14 (MSL)
"PUOLO"

SILT FENCE, SEE DETAIL 2 EC-1

GRAVEL FILTER, SEE DETAIL 1 EC-1

EXISTING ELECTRIC EASEMENT

ABANDON AND BACKFILL EXISTING

SEE DETAIL 6 C-4

CUT AND PLUG

AIR VENT. SEE NOTE 5.

WATER LINE TO SHOWER

WATER LINE TO BATHROOM

WATERLINE "A" STA. 0+00
BEGIN 2" HDPE WATER LINE
CONN. TO EX. 4" WATER
INSTALL:
1 - 4" ROMAC HP MACRO COUPLING
1 - 4" HDPE PIPE NIPPLE (LENGTH AS NEC.)
1 - 4" x 2" HDPE REDUCER

WATERLINE "A" STA. 2+35 (APPR.)
INSTALL:
1 - 2" x 1-1/2" HDPE TEE
1 - 1-1/2" HDPE x COPPER COUPLING
1 - HOSE BIB ASSEMBLY
(SEE DETAIL ON SEPARATE SHEET)

NG BUILDING SEWER.

1 - 4" WYE
1 - 4" COTG, SEE DETAIL 4 C-4

WATERLINE "A" STA. 4+15 (APPR.)
END 2" HDPE WATER LINE
INSTALL:
1 - HOSE BIB PEDESTAL
(SEE DETAIL ON SEPARATE SHEET)

EX. 1-1/2" WATER
ABANDON IN PLACE

EX. 1-1/2" WATER
ABANDON IN PLACE

WATERLINE "A"
2" HDPE

WATERLINE "A" STA. 2+95 (APPR.)
INSTALL:
1 - 2" HDPE 1/8 BEND

SFM STA. 0+00=
S.L. "A" STA. 0+11±

TEWATER PUMP STATION

STA. 0+30 (APPROXIMATE)
INSTALL:
1 - 2" HDPE 1/8 BEND
1 - 4" x 2" HDPE REDUCER

STA. 1+35 (APPR.)
CONN. TO EX. 3/4" WATER TO HOSE BIB
INSTALL:
1 - 2" x 3/4" HDPE TEE
2 - 3/4" HDPE x COPPER COUPLING
APPR. 20 LF 3/4" COPPER PIPE

WATERLINE "A" STA. 1+70 (APPR.)
CONN. TO EX. 1" WATER TO SHOWER
INSTALL:
1 - 2" x 1" HDPE TEE
2 - 1" HDPE x COPPER COUPLING
APPR. 25 LF 1" COPPER PIPE

C-5 C-5 C-5

WATERLINE "A" STA. 1+75 (APPR.)
CONN. TO EX. 1" WATER TO BATHROOM
INSTALL:
1 - 2" x 1" HDPE TEE
2 - 1" HDPE x COPPER COUPLING
APPR. 25 LF 1" COPPER PIPE

WATERLINE "B"
1-1/2" HDPE

EX. 1" WATER
ABANDON IN PLACE

WATERLINE "A" STA. 2+15 (APPR.)
WATERLINE "B" STA. 0+00
INSTALL:
1 - 2" x 1-1/2" HDPE TEE
2 - 1" HDPE x COPPER COUPLING
APPR. 25 LF 1" COPPER PIPE

WATERLINE "A" STA. 2+95 (APPR.)
INSTALL:
1 - 2" HDPE 1/8 BEND

WATERLINE "B" STA. 0+30 (APPR.)
INSTALL:
1 - 1-1/2" HDPE 1/16 BEND

WATERLINE "B" STA. 0+90 (APPR.)
INSTALL:
1 - HOSE BIB PEDESTAL
(SEE DETAIL ON SEPARATE SHEET)
1 - 1-1/2" 1/4 BEND

WATERLINE "B" STA. 1+45 (APPR.)
INSTALL:
1 - HOSE BIB PEDESTAL
(SEE DETAIL ON SEPARATE SHEET)

BENCHMARK
MONUMENT
N 3455.85
E 5168.81
ELEV. = 4.61 (MSL)
"PUOLO"

"harbor found"
elev. = 3.05(MSL)

NOTES:
1. NEW WATER SYSTEM WORK SHOWN IN RED.
2. EX. WATER LINES (SHOWN IN BLUE) SHALL REMAIN IN PLACE.
3. DISREGARD ALL OTHER WORK SHOWN IN BLACK.
4. ALL NEW HDPE WATER LINES SHALL BE SDR-11.
5. ALL FITTINGS AND PIPING SHALL BE RATED FOR A MAXIMUM WORKING PRESSURE OF 250 PSI.
6. WATER LINE TRENCH FOR WATERLINE "B" FROM STA. 0+30 TO 1+45 SHALL HAVE ASPHALT PAVEMENT REPAIRED WITH 2" THICK STATE MIX V A.C. ON 6" THICK COMPACTED BASE COURSE.
7. BEST MANAGEMENT PRACTICES: PROVIDE SEDIMENT FILTER SOCKS ALONG MAKAI SIDE OF WATER LINE TRENCHES, APPR. 550 LF TOTAL. EQUIPMENT, MATERIAL STORAGE, AND STAGING AREA SHALL BE SURROUNDED BY SEDIMENT FILTER SOCKS. BASE COURSE MATERIAL STOCKPILE SHALL BE SURROUNDED BY SEDIMENT FILTER SOCKS AND COVERED WITH WEIGHTED PLASTIC SHEETING DURING NON-WORKING HOURS.

GRAPHIC SCALE
1" = 20'
20 0 20 40
SCALE IN FEET

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

JUNE J. NAKAMURA
LICENSED PROFESSIONAL ENGINEER
No.4376-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
BY: June J. Nakamura
DATE: 6-25-07
APRIL 30, 2008
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAI'I
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

SEWER CONNECTION FOR
PORT ALLEN SMALL BOAT HARBOR
ELEELE, KOLOA, KAUA'I, HAWAI'I

SITE PLAN - 1

ENGINEERING SOLUTIONS, INC.

DESIGNED: JF/KO	SUBMITTED:
DRAWN: PT	DATE: JUNE 22, 2007
CHECKED: AY	SCALE: AS SHOWN

APPROVED: JUL - 5 2007
CHIEF ENGINEER DATE

DRAWING NO. **C-1**

JOB NO. B00DB94A SHEET NO. 6 OF 16 SHEETS

PW : KO
OPER. : PT/CEC:/MSB/JAN/KO
REVISED : 06/25/07

DATE : 10/18/05
P.O. SCALE: 1=1
FN1. : 2415a-C-1.dwg
JOB No. 0415c

22 x 34