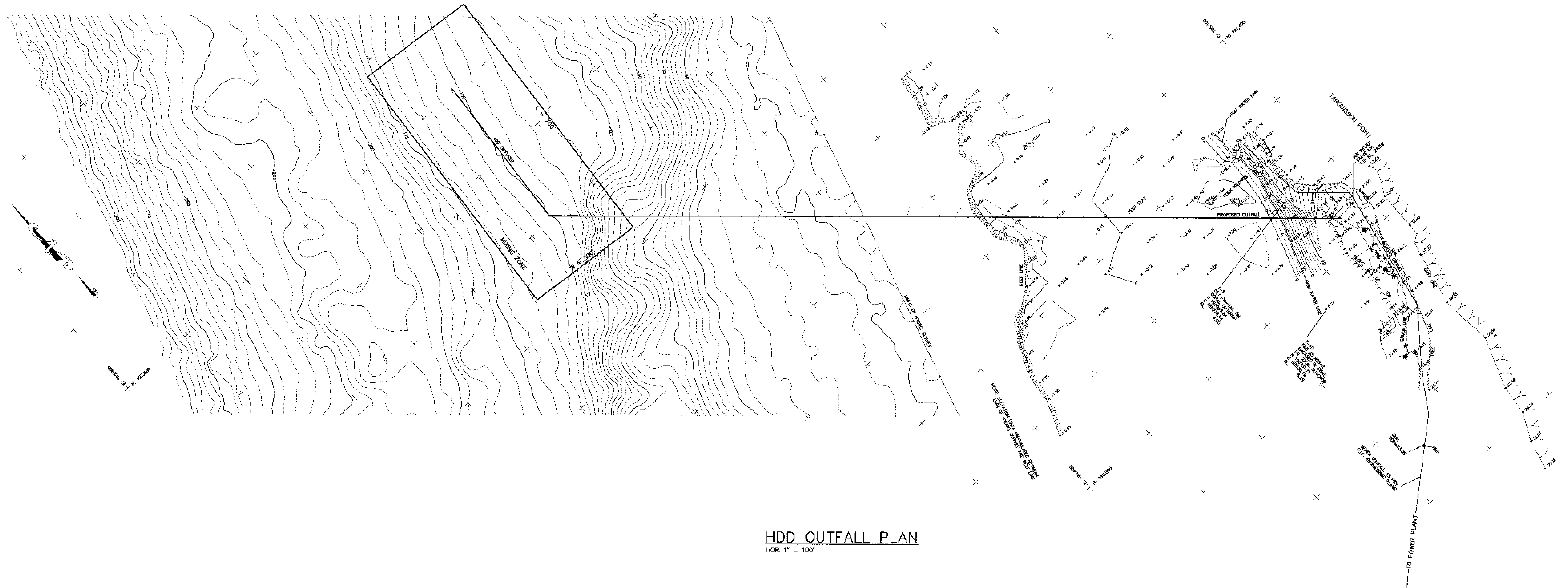
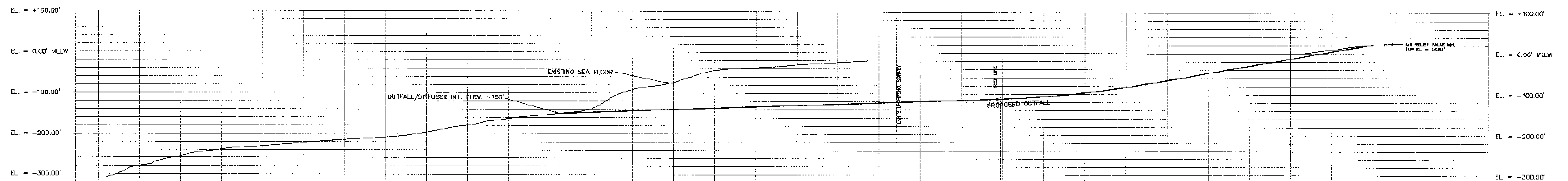


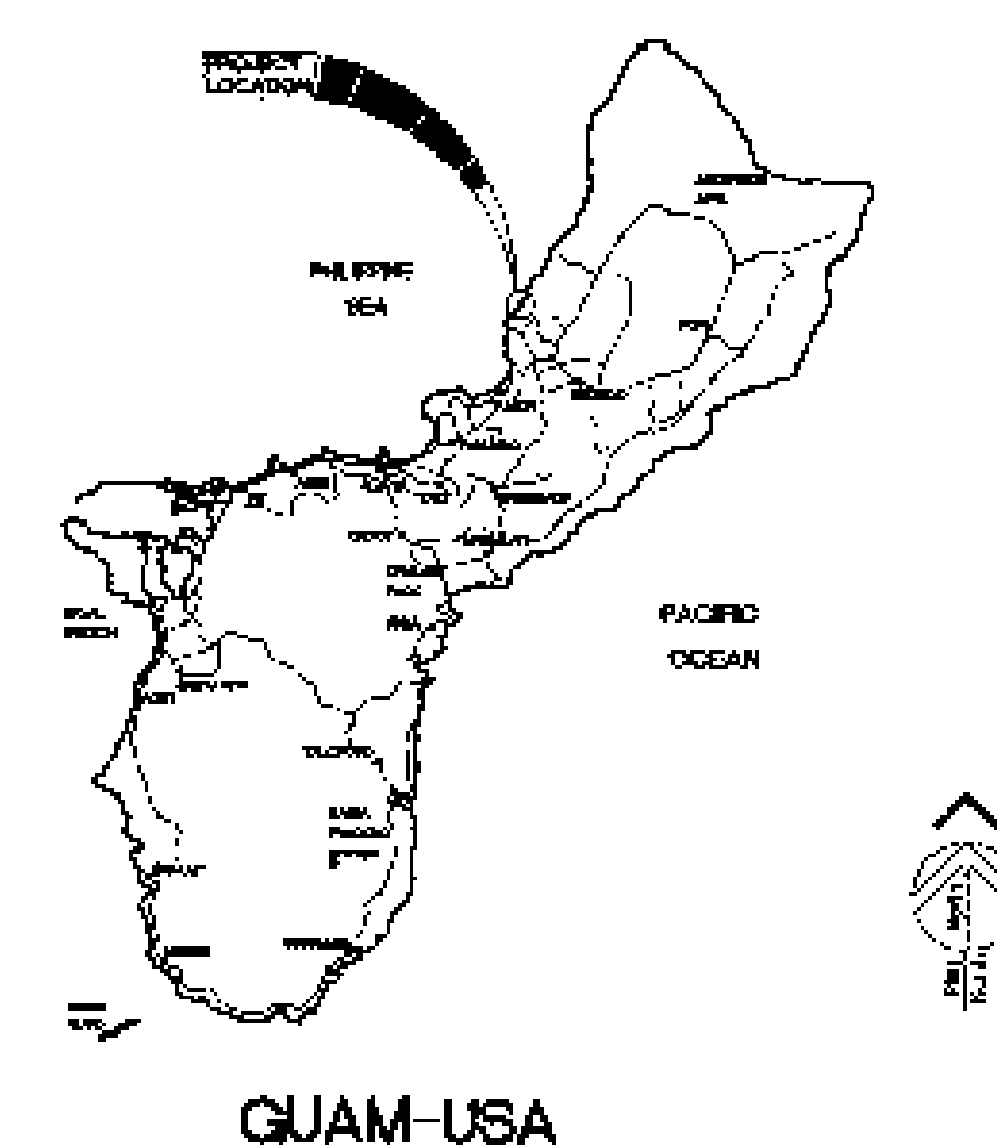


HDD OUTFALL PLAN
HOR. 1" = 100'



HDD OUTFALL PROFILE
HOR. 1" = 100'
VER. 1" = 100'

LOCATION MAP
NTB



SURVEYOR'S NOTES

1. SURVEY WAS BASED ON THE FOLLOWING GGN-DS POINTS CONVERTED TO GGN-63 VALUES:
GGN 442 N 189414.81 E 186216.48 ELEV. 25.80 (MLLW)
GGN 444 N 198952.23 E 180688.15 ELEV. 186.68 (MLLW)
GGN 446 N 189311.86 E 188286.17 ELEV. 295.93 (MLLW)
2. CONTOURS ARE BASED ON MEAN LOWER LOW WATER (MLLW)
3. CONTOUR INTERVAL IS 1' INSIDE REEF LINE AND 5' OUTWARDS
4. SURVEY DATA RECORDED IN FIELDBOOK G99-01

BATHYMETRY NOTES

1. DEPTHS ARE PROVIDED IN FEET - DATUM IS MEAN LOWER LOW WATER (MLLW)
2. HORIZONTAL DATA ARE PROVIDED IN PLANE COORDINATES USING THE FOLLOWING GEODETIC PARAMETERS:
SPHEROID : CLARK 1866
DATUM : GUAM 1963
PROJECTION : AZIMUTHAL EQUIDISTANT
3. BATHYMETRY DATA OBTAINED ON NOVEMBER 17, 1998 USING A KONGSKEN 3208/P ECHOSOUNDER WITH 200 KHZ TRANSDUCER
4. SURFACE POSITIONING OBTAINED USING ASHTECH DNS-12 DGPS

REVISION	DATE	BY	DESCRIPTION	APPROVED
PROJECT No.				
CONTRACT No.				
DESIGNED BY:				
DRAWN BY:				
CHECKED BY:				
SUPV. BY:				
PROJECT ENGINEER				
SECTION MANAGER				
SCALE: AS NOTED				
ASSOCIATES, INC.				
EDWARD K. NODA				
EDWARD K. NODA & ASSOCIATES, INC.				
1000 W. WILSON BLVD., SUITE 200				
HOUSTON, TEXAS 77002				
DRAWN R. NO.				
DRAWING NUMBER				
SHEET				