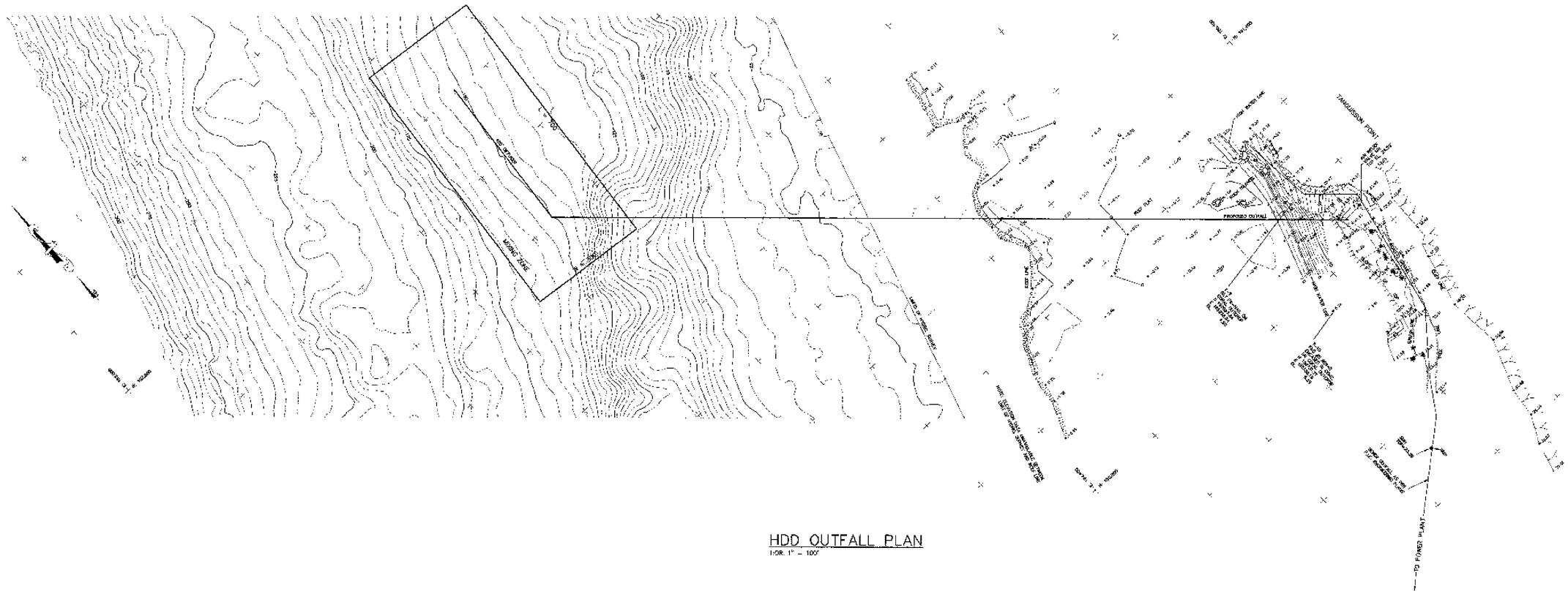
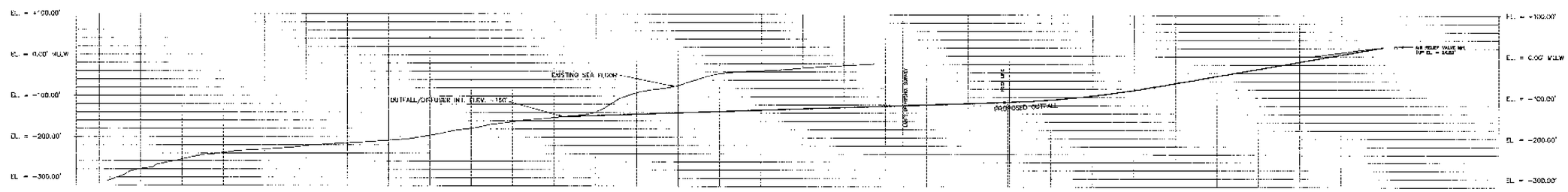


HDD OUTFALL PLAN

HOR. 1" = 100'



HDD OUTFALL PROFILE

HOR. 1" = 100'
VER. 1" = 100'

LOCATION MAP

NTS

GUAM-USA

SURVEYOR'S NOTES

1. SURVEY WAS BASED ON THE FOLLOWING GGN-63 POINTS CONVERTED TO GGTM-63 VALUES:
   GGN 442 N 189414.61 E 185016.46 ELEV. 26.90 (MLLW)
   GGN 444 N 188952.23 N 185988.15 ELEV. 186.68 (MLLW)
   GGN 446 N 189311.86 E 186286.17 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 : OGM 1963
   PROJECTION : AZIMUTHAL EQUIDISTANT
3. BATHYMETRY DATA OBTAINED ON NOVEMBER 11, 1998 USING A KNUDSEN 320B/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

GUAM WATERWORKS AUTHORITY
GOVERNMENT OF GUAM

TUMON INFRASTRUCTURE AND BEAUTIFICATION
NORTHERN DISTRICT OUTFALL EXTENSION
HORIZONTAL DIRECTIONAL DRILLING
PLAN AND PROFILE

RECOMMENDED BY:

CHIEF OF ENGINEERING — DATE

ASSOCIATES, INC.
ENGINEERS/ARCHITECTS
EDWARD K. NODA & ASSOCIATES, INC.
818 Pilot Road #100
Hagatna, Guam 96910

DRAWING NO.

DRAWING NUMBER

SHEET C-