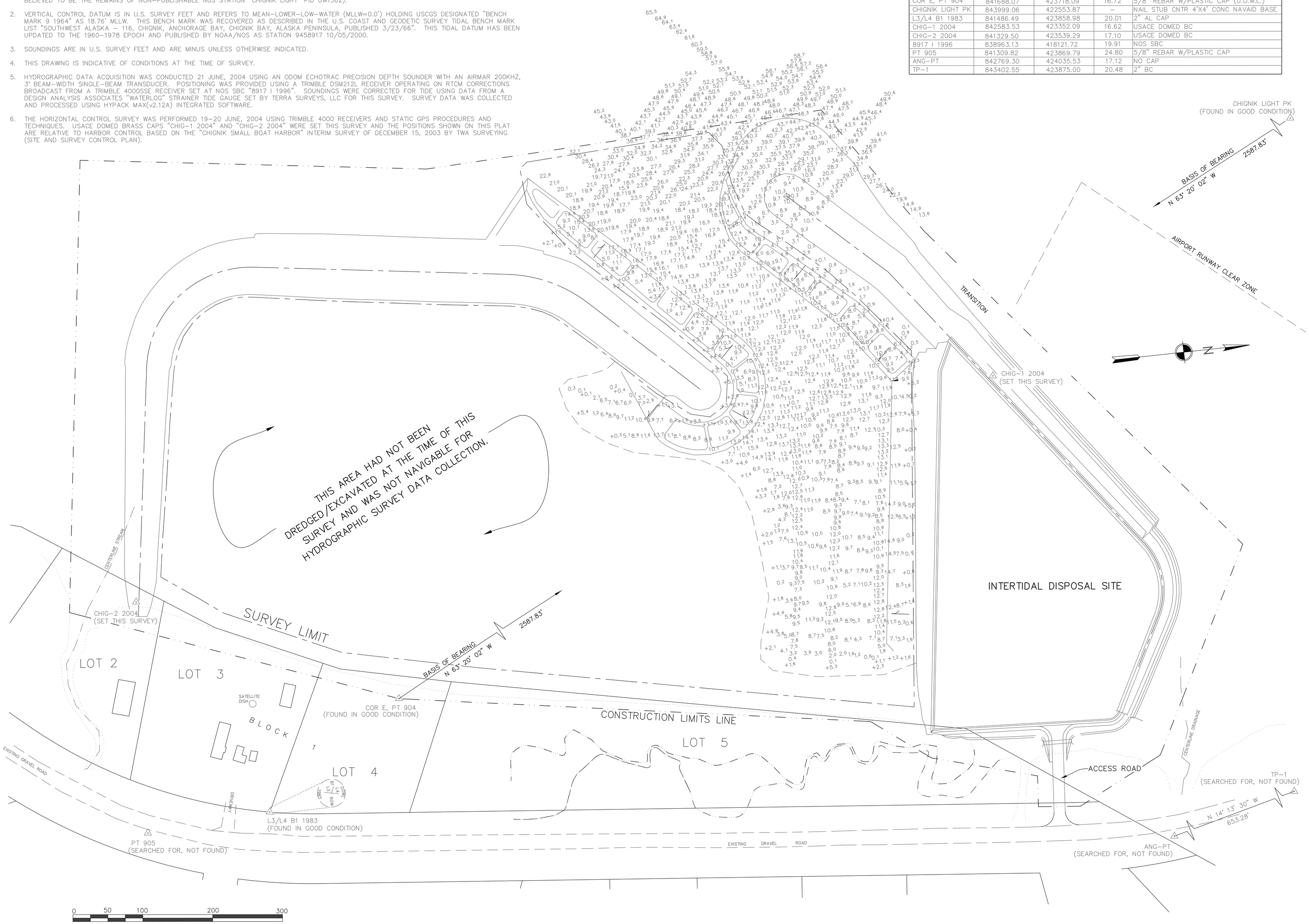
NOTES:

1. HORIZONTAL CONTROL IS LOCAL GRID IN U.S. SURVEY FEET, HOLDING A 5/8" REBAR WITH (D.O.W.L.) PLASTIC CAP "PT 904" AS N 841,688.07, E 423,718.09 AS THE BASIS OF COORDINATES (THIS CAP WAS RECOVERED AT CONSTRUCTION BOUNDARY STATION "COR E") AND THE REMNANTS OF A PK NAIL RECOVERED IN THE CENTER OF A 4'X4' CONCRETE BLOCK AS N 843,994.51, E 422,556.16 AS THE BASIS OF BEARING (THIS STATION IS BELIEVED TO BE THE REMAINS OF NON-PUBLISHABLE NGS STATION "CHIGNIK LIGHT" PID UW1362).
2. VERTICAL CONTROL DATUM IS IN U.S. SURVEY FEET AND REFERS TO MEAN-LOWER-LOW-WATER (MLLW=0.0') HOLDING USCGS DESIGNATED "BENCH MARK 9 1964" AS 18.76' MLLW. THIS BENCH MARK WAS RECOVERED AS DESCRIBED IN THE U.S. COAST AND GEODETIC SURVEY TIDAL BENCH MARK LIST "SOUTHWEST ALASKA – 116, CHIGNIK, ANCHORAGE BAY, CHIGNIK BAY, ALASKA PENINSULA, PUBLISHED 3/23/66". THIS TIDAL DATUM HAS BEEN UPDATED TO THE 1960-1978 EPOCH AND PUBLISHED BY NOAA/NOS AS STATION 9458917 10/05/2000.
3. SOUNDINGS ARE IN U.S. SURVEY FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.
4. THIS DRAWING IS INDICATIVE OF CONDITIONS AT THE TIME OF SURVEY.
5. HYDROGRAPHIC DATA ACQUISITION WAS CONDUCTED 21 JUNE, 2004 USING AN ODOM ECHOTRAC PRECISION DEPTH SOUNDER WITH AN AIRMAR 200KHZ, 3° BEAM-WIDTH SINGLE-BEAM TRANSDUCER. POSITIONING WAS PROVIDED USING A TRIMBLE DSM212L RECEIVER OPERATING ON RTCM CORRECTIONS BROADCAST FROM A TRIMBLE 4000SSE RECEIVER SET AT NOS SBC "8917 I 1996". SOUNDINGS WERE CORRECTED FOR TIDE USING DATA FROM A DESIGN ANALYSIS ASSOCIATES "WATERLOG" STRAINER TIDE GAUGE SET BY TERRA SURVEYS, LLC FOR THIS SURVEY. SURVEY DATA WAS COLLECTED AND PROCESSED USING HYPACK MAX(v2.12A) INTEGRATED SOFTWARE.
6. THE HORIZONTAL CONTROL SURVEY WAS PERFORMED 19-20 JUNE, 2004 USING TRIMBLE 4000 RECEIVERS AND STATIC GPS PROCEDURES AND TECHNIQUES. USACE DOMED BRASS CAPS "CHIG-1 2004" AND "CHIG-2 2004" WERE SET THIS SURVEY AND THE POSITIONS SHOWN ON THIS PLAT ARE RELATIVE TO HARBOR CONTROL BASED ON THE "CHIGNIK SMALL BOAT HARBOR" INTERIM SURVEY OF DECEMBER 15, 2003 BY TWA SURVEYING (SITE AND SURVEY CONTROL PLAN).

△ CONTROL COORDINATES △

STA.	NORTHING	EASTING	ELEVATION	DESCRIPTION
COR E, PT 904	841688.07	423718.09	16.72	5/8" REBAR W/PLASTIC CAP (D.O.W.L.)
CHIGNIK LIGHT PK	843999.06	422553.87	–	NAIL STUB CNTR 4'X4' CONC NAVAID BASE
L3/L4 B1 1983	841486.49	423858.98	20.01	2" AL CAP
CHIG-1 2004	842583.53	423352.09	16.62	USACE DOMED BC
CHIG-2 2004	841329.50	423539.29	17.10	USACE DOMED BC
8917 I 1996	838963.13	418121.72	19.91	NOS SBC
PT 905	841309.82	423869.79	24.80	5/8" REBAR W/PLASTIC CAP
ANG-PT	842769.30	424035.53	17.12	NO CAP
TP-1	843402.55	423875.00	20.48	2" BC



ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

CONTRACT NO. W911KB-04-D-0006
CONTRACTOR TERRA SURVEYS, LLC
CITY PALMER STATE ALASKA
Recommended: Approved: Date:
PRIME CONTRACTOR RESIDENT ENGINEER

Symbol	Action	Description	Date	Approd

Date: 6/30/04
Scale: AS SHOWN
File Name: CHIGNIK.DWG

Designed: Drawn:
Reviewed:
Chief,HYDRAULICS HYDROLOGY Section
Submitted:
Chief, EN-CW Branch

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CHIGNIK, ALASKA
CHIGNIK SMALL BOAT HARBOR
QUALITY ASSURANCE SURVEY
JUNE 19-21, 2004
SITE AND SURVEY CONTROL DATA

Reference number:

Sheet 1 of 1