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CE2 Engineers, Inc.

Request for Information (RFI)/ Design Clarification/Variation Request (DCVR)

Project Name:	Tanana Elders Lift Station		
Date:	July 20, 2011	Response Need Date:	
RFI#: RFI-		DCVR#:	DCVR-001 – Relocate Elders Lift Station
Submitted to:	Village Safe Water Project Engineer		
From (Company):	CE2 Engineers – Construction Division		
By:	Brian Aklin—CE2 Construction Project Manager		

Nature of Work:	Installation of an E-One Sewage Lift Station and connecting piping
Reference Drawings:	HDR-IFC October 2010 #135830 Elders Lift Station
Reference Spec Section(s):	
Bid Item(s):	

Description:

Waste service lines from Elders Residence are not as shown on Referenced Drawings. Plan Sheet C2.0 attached. Excavating for service lines located a sewer line not shown on the Plans. Research of existing plan files located a 1984 plan (attached) showing the sewer line configuration as it appears to exists currently. The Elders Residence and Tribal Council building are connected to a line flowing to the east. Flows also enter this line from further east. Local knowledge indicated this flow is from the "grey house". Cleaned manhole indicated to be plugged on plan sheet C2.0 and observed flows from east.

Recommend lift station location be moved as shown on attached Figure 1 and a terminal manhole be placed over the existing sewer line to collect flows from the east and to terminate the service lines for the Elders Residence and the Tribal Council Building. As shown on the Water and Sewer Key Map (Sheet G-3 attached) this construction will not occur in the soil contaminated locations. This relocation will require a shorter force main and sewer main. Electrical service can be accessed through a drop from the power line located along Hospital Street. The E-One lift station (according to the manufacturer's literature) will be adequate to handle the potential increased flows from the Tribal Council building and the connections to the east.

Engineer's Response:

THE PROPOSED ELDERS LIFT STATION RELOCATION IS APPROVED AS NOTED. THE INTENT OF THE ORIGINAL DESIGN HAS BEEN MET. ADDITIONAL SITE CONTROL IS NOT REQUIRED AND SERVICE TO EXISTING UTILITY CUSTOMERS WILL BE MAINTAINED. PROJECT COST IS NOT EXPECTED TO INCREASE. 7/28/11

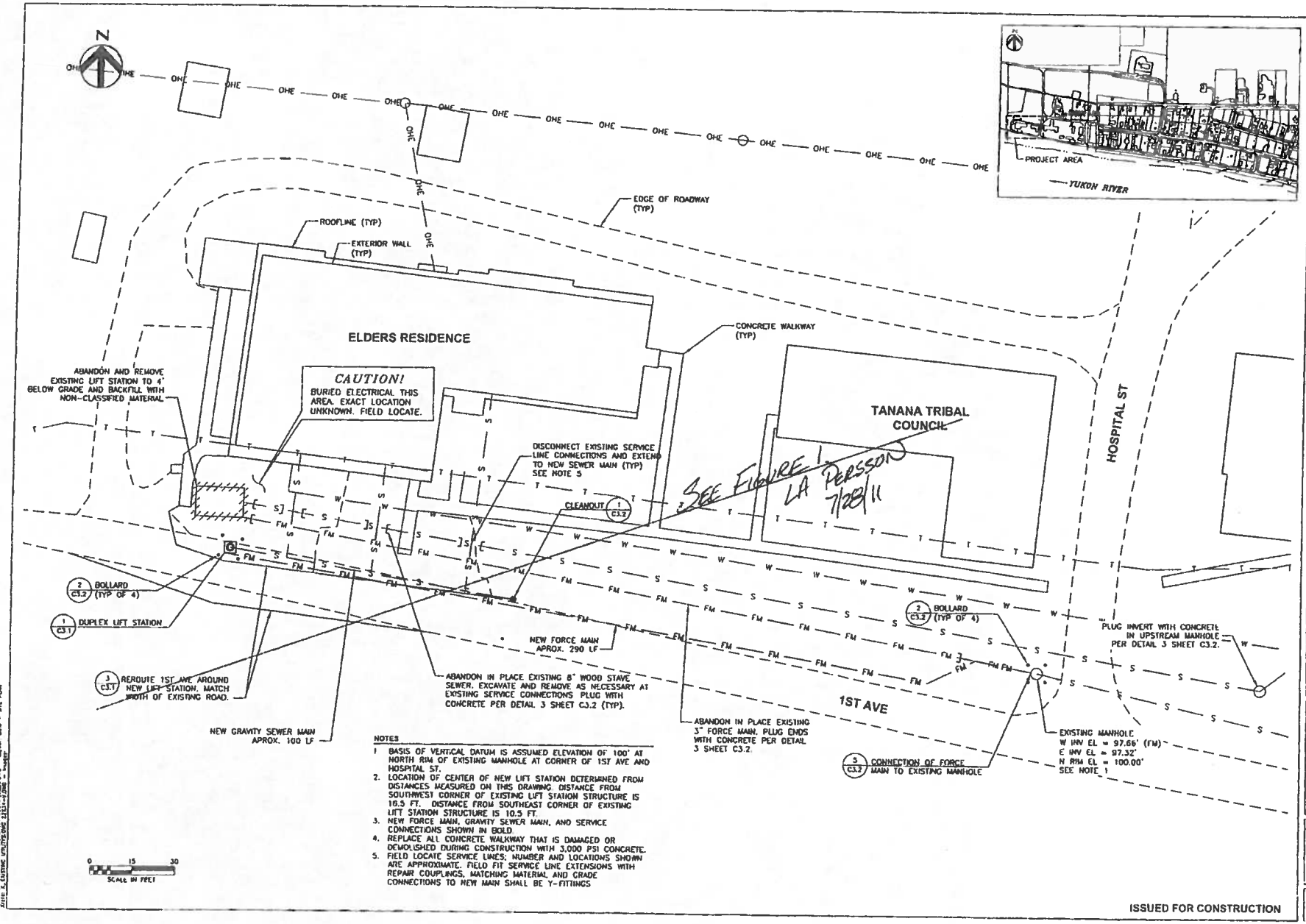
CE2 Engineers, Inc.

BY: **Brian Aklin** **DATE:** **July 20, 2011**

THIS IS NOT AN AUTHORIZATION TO PROCEED WITH WORK INVOLVING ADDITIONAL COST AND/OR TIME. Notification must be given in accordance with the Contract Documents if any clarification, variation or Engineer's response causes any change to the Contract.

Distribution:	Point of Contact	√	Date
Village Safe Water Project Engineer	Susan Randlett, PE	√	7/20/11
Construction Manager/CE2 Engineers, Inc. (File)	Brian Aklin	√	7/20/11

Approved for VSW - BA - 7.28.11



NOTES

1. BASIS OF VERTICAL DATUM IS ASSUMED ELEVATION OF 100' AT NORTH RIM OF EXISTING MANHOLE AT CORNER OF 1ST AVE AND HOSPITAL ST.
2. LOCATION OF CENTER OF NEW LIFT STATION DETERMINED FROM DISTANCES MEASURED ON THIS DRAWING. DISTANCE FROM SOUTHWEST CORNER OF EXISTING LIFT STATION STRUCTURE IS 16.5 FT. DISTANCE FROM SOUTHEAST CORNER OF EXISTING LIFT STATION STRUCTURE IS 10.5 FT.
3. NEW FORCE MAIN, GRAVITY SEWER MAIN, AND SERVICE CONNECTIONS SHOWN IN BOLD.
4. REPLACE ALL CONCRETE WALKWAY THAT IS DAMAGED OR DEMOLISHED DURING CONSTRUCTION WITH 3,000 PSI CONCRETE.
5. FIELD LOCATE SERVICE LINES; NUMBER AND LOCATIONS SHOWN ARE APPROXIMATE. FIELD FIT SERVICE LINE EXTENSIONS WITH REPAIR COUPLINGS, MATCHING MATERIAL AND GRADE CONNECTIONS TO NEW MAIN SHALL BE Y-FITTINGS

ISSUED FOR CONSTRUCTION

VILLAGE SAFE WATER

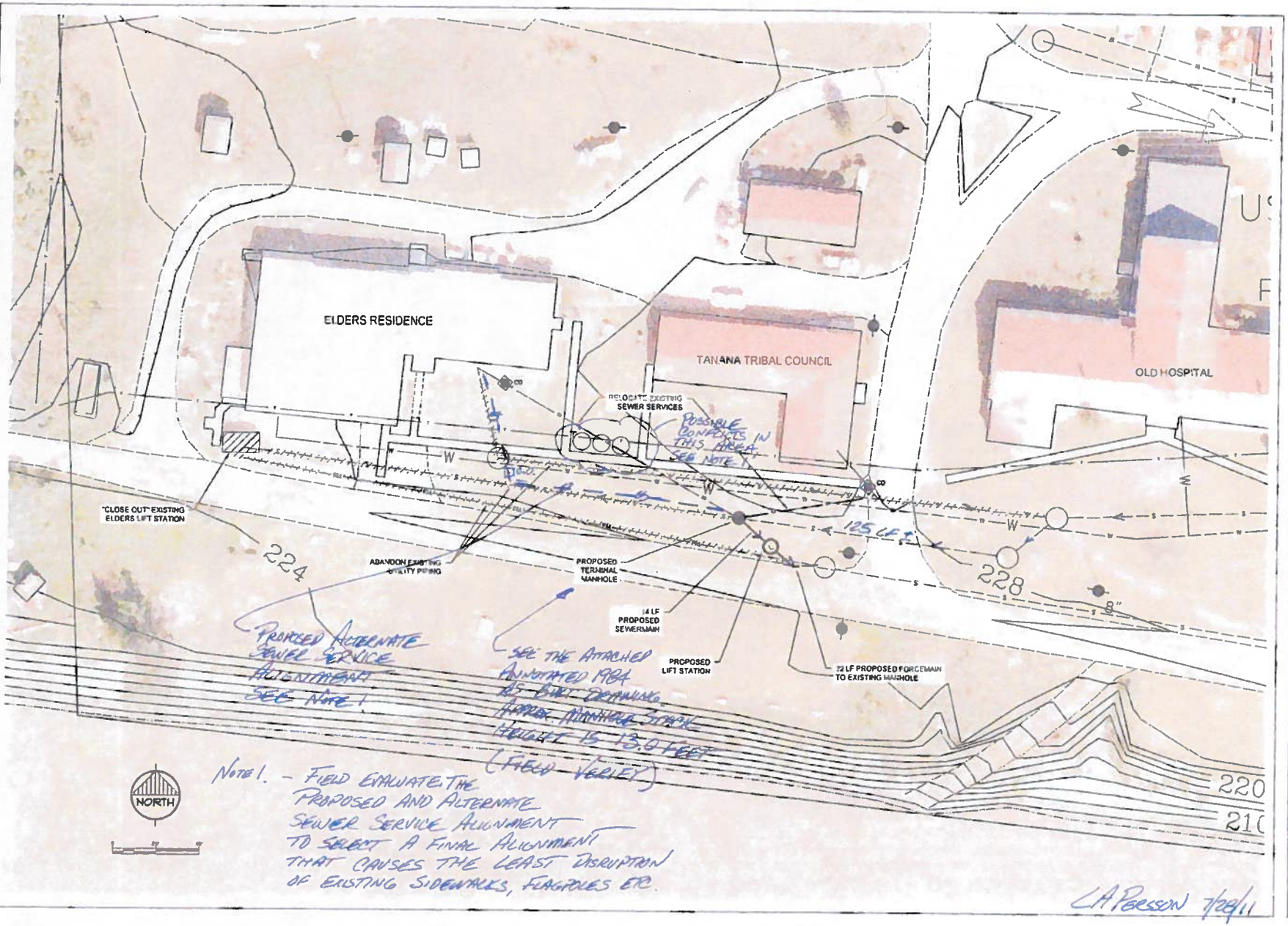
HDR Alaska, Inc.

Tee'gha Inc.
Tanana Elders Lift Station
SITE PLAN

REVISION	BY	DATE

Project No. 133830
Date 10/5/2010
Designed JJ
Drawn JJ
Approved JWB

Sheet No. C2.0
SHEET 3 of 8



Note 1. - Field evaluate the proposed and alternate sewer service alignment to select a final alignment that causes the least disruption of existing sidewalks, flagpoles etc.

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FIGURE 1 1/6

TOO'GHA INC. - TANANA ELDERS LIFT STATION

PROPOSED LIFT STATION LAYOUT

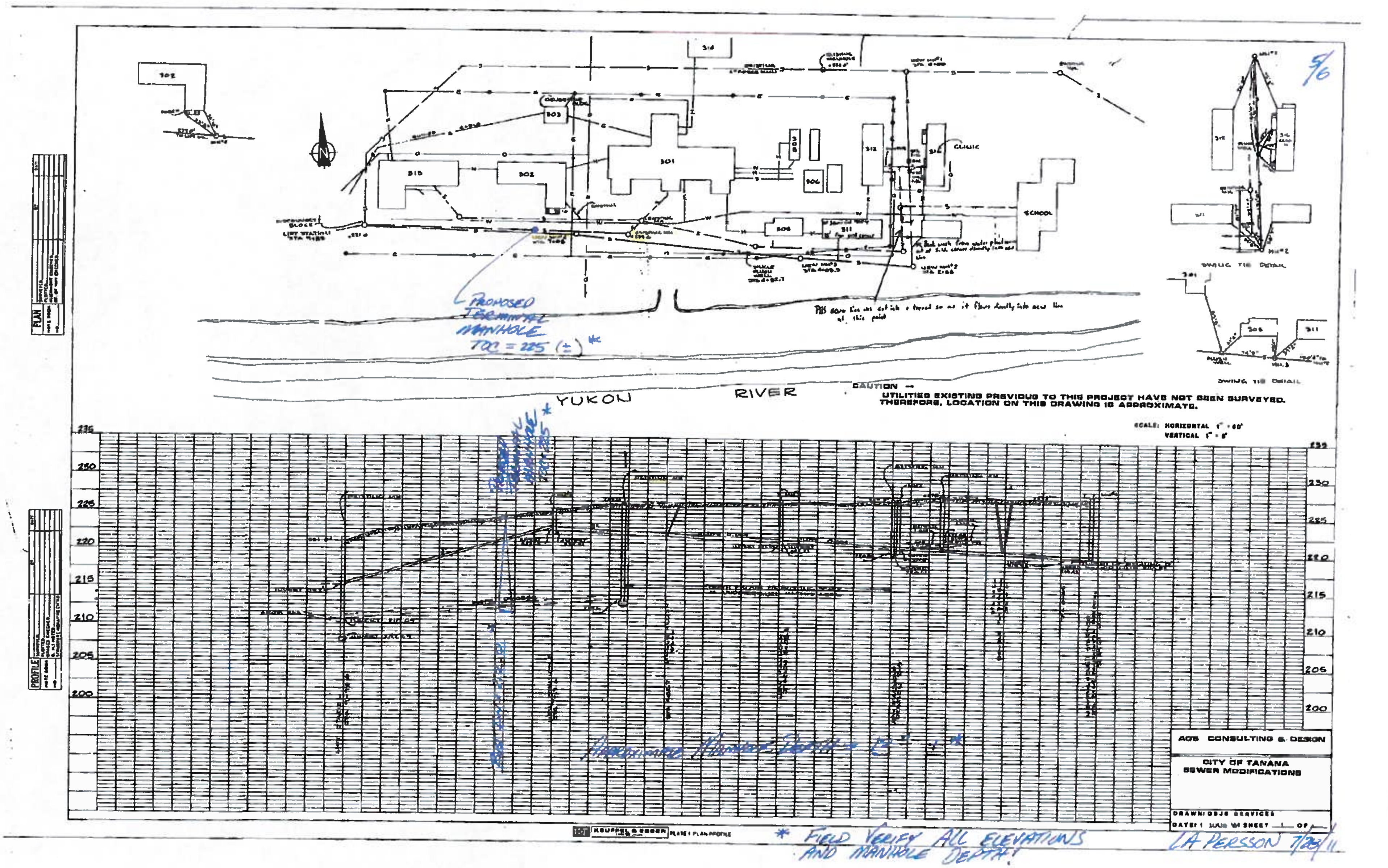
TANANA, ALASKA

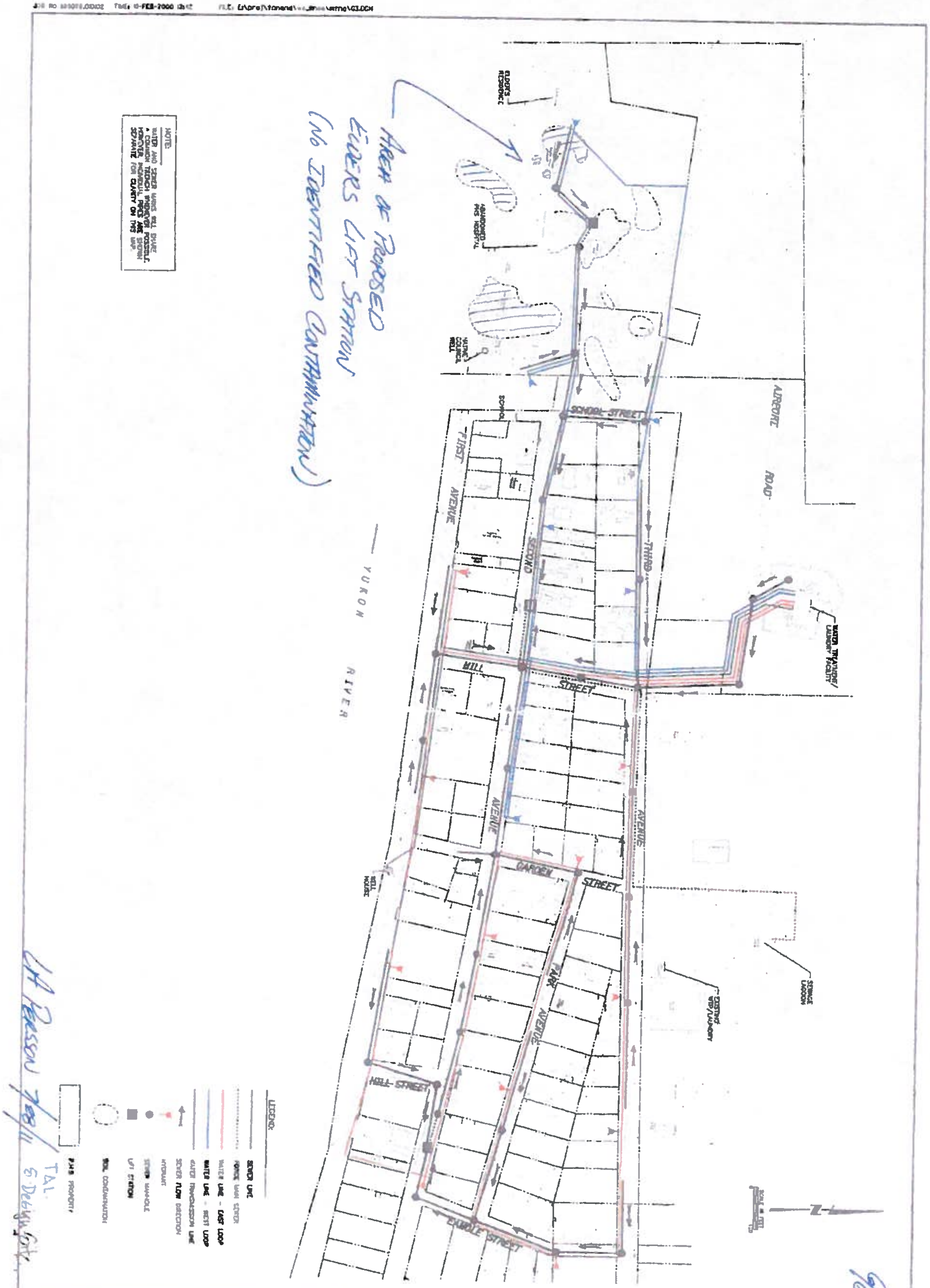
Scale: AS SHOWN

Date: JULY 2011

Drawn: CM

CE2 ENGINEERS, INC.


5/6
PROPOSED TERMINAL MANHOLE TOC = 225 (±) *
YUKON RIVER
CAUTION — UTILITIES EXISTING PREVIOUS TO THIS PROJECT HAVE NOT BEEN SURVEYED. THEREFORE, LOCATION ON THIS DRAWING IS APPROXIMATE.
SCALE: HORIZONTAL 1" = 60' VERTICAL 1" = 6'
SCHOOL
CLINIC
SWING TIE DETAIL
PLAN
PROFILE
AOS CONSULTING & DESIGN
CITY OF TANANA
SEWER MODIFICATIONS
KEUFFEL & ESSER
* FIELD VERIFY ALL ELEVATIONS AND MANHOLE DEPTH
LA PERSSON 7/28/11



RECORD DRAWING CERTIFICATE

THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

NAME | DATE

VILLAGE SAFE WATER

MONTGOMERY WATSON

TOO'GHA INC. - TANANA, ALASKA

WATER DISTRIBUTION & WASTEWATER COLLECTION SYSTEM

WATER AND SEWER KEY MAP

REVISION	BY	DATE

Project No.
Date 2-8-2000
Designed
Drawn
Approved

Sheet No. G-3