

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	BID QUANT.	FINAL QUANT.
1	EXCAVATING, TRENCHING AND BACKFILLING			
	A. GRAVEL BACKFILL	TON	1,100	1,127
2.	ROCK EXCAVATION	C.Y.	20	0
3.	SLIPLINING EXISTING SEWERMAINS 20" HDPE PIPE	L.F.	540	539.3
4.	SANITARY SERVICE RECONNECTION	EA.	1	1
5.	REMOVE & REPLACE ASPHALT			
	A. BASE COURSE	TON	50	0
	B. WEARING COURSE	TON	30	80.94
6.	SEAL COAT & CHIPS	S.Y.	500	0
7.	CONCRETE GROUT	C.Y.	20	22
8.	MANHOLES			
	A. TYPE "A"	EA.	1	1
	B. TYPE "B"	EA.	1	1
9.	REMOVE & REPLACE CONCRETE PAVEMENT	S.Y.	24	22

CERTIFICATES

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.

Raymond Rolshoven
 DATE: Mar 2, 1987 REG. NO. 785

SHEET INDEX

GENERAL

QUANTITY AND INDEX SHEET
 LOCATION MAP

SHEET No.
 G-1
 G-2

CIVIL

8th AVENUE NE AND EAST MAIN STREET
 SOUTHEAST TO ABANDONED PUMPING STATION SITE

C-1

DETAIL SHEET

DETAILS LINER, MANHOLE, SERVICE LINE CONNECTION D-1
 DETAILS TYPE "A" & TYPE "B" MANHOLES, ASPHALT GRADES D-2

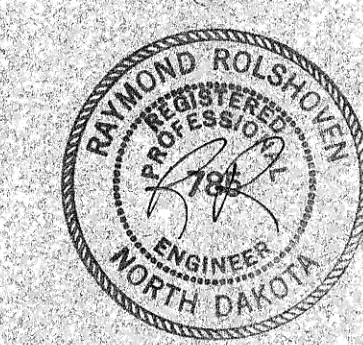
LEGEND

- 45.69 SPOT ELEVATION (e.a.=EDGE ASPHALT, l.c.=TOP OF CURB OR CONCRETE)
- (45.69) PROPOSED ELEVATION
- 1+00 SURVEY & STATION
- EXISTING BUILDING
- EASEMENT LINE
- SLIP LINING SANITARY SEWER
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- 6" W EXISTING WATERLINE
- GAS METER
- UTILITY BOXES (POWER, CABLE TV, TELEPHONE)
- ⊗ VALVE OR CURB STOP
- ⊕ FIRE HYDRANT
- MANHOLE
- ☼ STREET LIGHT
- ⊙ POWER POLE
- ⊞ CATCH BASIN
- O.H. --- POWERLINE (U.G.=UNDERGROUND, O.H.=OVERHEAD)
- G --- GAS LINE
- ← GUY WIRE

APPROVED BY:

Thomas Y. Stelt
 MANDAN CITY ENGINEER

Record Drawing



PHASE III

△			
△			
△			
REV.	DATE	DESCRIPTION	BY
MANDAN INTERCEPTOR 1987 MANDAN, NORTH DAKOTA			
QUANTITY & INDEX			
ULTEIG ENGINEERS, INC. CONSULTING ENGINEERS • ARCHITECTS FARGO • BISMARCK • MINNEAPOLIS			
DRAWN BY: JRB	SCALE: 1"=1'	PROJECT NO. 4242	
CHECKED BY: RR	DATE: JANUARY 1987		
APPROVED BY: RR		SHEET: G-1	

