

## SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	BID QUANT.	FINAL QUANT.
1	EXCAVATION, TRENCHING, AND BACKFILLING			
	ENCASEMENT GRAVEL	TON	1,100	539.5
	GRAVEL BACKFILL	TON	1,330	1,751
2	SANITARY SEWER			
	8" PVC	LF	460	477
	10" PVC	LF	700	676
	12" PVC	LF	2,100	2,085
	15" PVC	LF	510	309
	18" PVC	LF	955	0
3	SANITARY SEWER MANHOLES			
	SANITARY MANHOLE	EA.	4	4
	SANITARY DROP MANHOLE	EA.	4	3
4	REMOVE AND REPLACE CONCRETE PAVEMENT	SY	890	460.5
5	REMOVE AND REPLACE ASPHALT PAVEMENT	SY	4,540	2,997
6	ROCK EXCAVATION	CY	80	37
7	SEEDING	ACRE	1	0.9
8	SODDING	SY	90	394
9	HOOKING UP SEWER SERVICES			
	SEWER HOOK-UP	EA.	42	19
	4" -45° PVC BEND	EA.	42	27
	8" x 4" PVC WYE	EA.	6	9
	10" x 4" PVC SADDLE WYE	EA.	7	5
	12" x 4" PVC SADDLE WYE	EA.	12	5
	15" x 4" PVC SADDLE WYE	EA.	3	0
	18" x 4" PVC SADDLE WYE	EA.	14	0
	4" FERNCO COUPLING ADAPTER	EA.	28	5
	6" FERNCO COUPLING ADAPTER	EA.	14	17
	6" x 4" PVC ECCENTRIC REDUCER	EA.	14	2
10	4" PVC SEWER SERVICE	LF	200	158.5
	STORM SEWER			
	12" RCP	LF	36	36
	18" RCP	LF	55	54
11	24" RCP	LF	398	421
	REWORK MANHOLES			
	MANHOLE A	EA.	1	1
	MANHOLE B	EA.	1	1
12	MANHOLE C	EA.	1	1
	STORM SEWER MANHOLES			
	TYPE A	EA.	2	1
	TYPE B	EA.	1	1
13	TYPE C	EA.	1	0
	REMOVE AND REPLACE CURB, OR CURB AND GUTTER			
	CONCRETE CURB	LF	80	75
	CONCRETE CURB AND GUTTER	LF	70	32
	14	REMOVE AND REPLACE SIDEWALK	SF	75
15	SEWER PIPE REMOVAL	LF	2,200	1,040
16	CLEAN AND TELEWISE SEWERS			
	CLEAN 10" SEWER	LF	500	499
	CLEAN 18" SEWER	LF	1,150	1,143
	TELEWISE 10" SEWER	LF	500	499
	TELEWISE 18" SEWER	LF	1,150	1,143
17	DEMOLITION OF PUMPING STATION	LS		L.S.

## INDEX

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2	LOCATION MAP
3	14TH AVENUE N.E.
4-5	1ST STREET N.E.
6	NORTH-SOUTH ALLEY BLOCK 6 HELMSWORTH & MCLEANS ADDITION
7	EAST-WEST ALLEY BLOCK 6 HELMSWORTH & MCLEANS ADDITION
8-9	BOUNDARY ROAD
10	SUNSET DRIVE
11	OLD RED TRAIL
12	6TH AVENUE N.W.
13	5TH STREET N.W.
14	4TH STREET N.W.
15	MAIN STREET WEST
16-18	MAIN STREET ALLEY
19	DETAILS

Approved By *Phyllis Little*  
Mandan City Engineer



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 Rolston*  
DATE April 25, 1983 REG. NO. 785

## PHASE I

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REV.	DATE	DESCRIPTION	BY
MANDAN INTERCEPTOR 1983 MANDAN, NORTH DAKOTA			
QUANTITY AND INDEX			
ULTEIG ENGINEERS, INC. CONSULTING ENGINEERS • ARCHITECT FARGO • BISMARCK • MINNEAPOLIS			
DRAWN BY: JR	SCALE:	PROJECT NO.	
CHECKED BY:	DATE:	4/60.01	
APPROVED BY: RR	MARCH 1983	SHEET 1	of 19

