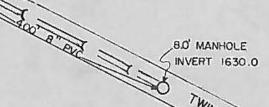




LIFT STATION INFORMATION

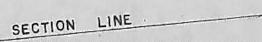
TYPE ------ SUBMERSIBLE PUMP MODEL NO .- HYDROMATIC SH 500 H.P. EACH-5 VOLTS-220 CYCLE-60 SERIAL NO .--R.P.M.---- 1750 G.P.M .---- IOO G.P.M. , EACH PUMP





TWIN CITY

DRIVE



8, P.V.C. S		AND	scale "=200"	DRAWN BY ROBERT MINDT
4, P.V.C.	FORCEMAIN	*	1=200	REVISED NOVEMBER 29, 1978

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LIFT STATION

SUMP 1619.50

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16.2 MANHOLE

W. INVERT 1623.90 E. INVERT 1625.00

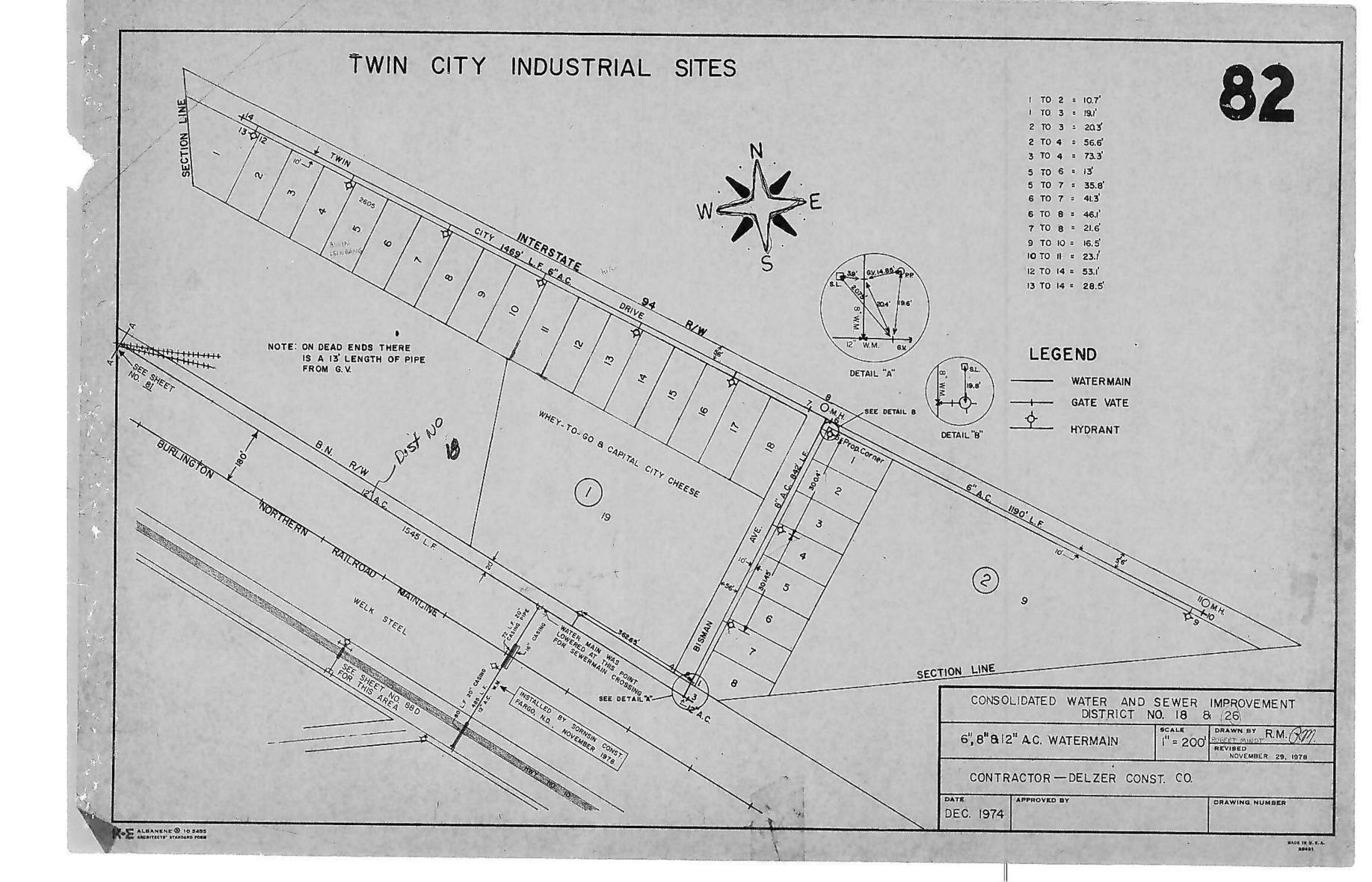
N. INVERT 1627.70

A. DICT INC

 (\mathcal{E})

9

10.5 MANHOLE INVERT 1628.35



CONSOLIDATED WATER AND SEWER IMPROVEMENT DISTRICT NO. 18 CITY OF MANDAN, NORTH DAKOTA

SHEET NO. 1 WATERN MANDAN SHEET NO. 2 WATERN CITY IN SHEET NO. 3 WATERN SHEET NO. 4 MANHOL SHEET NO. 5 WATERN SHEET NO. 6 HYDRAN

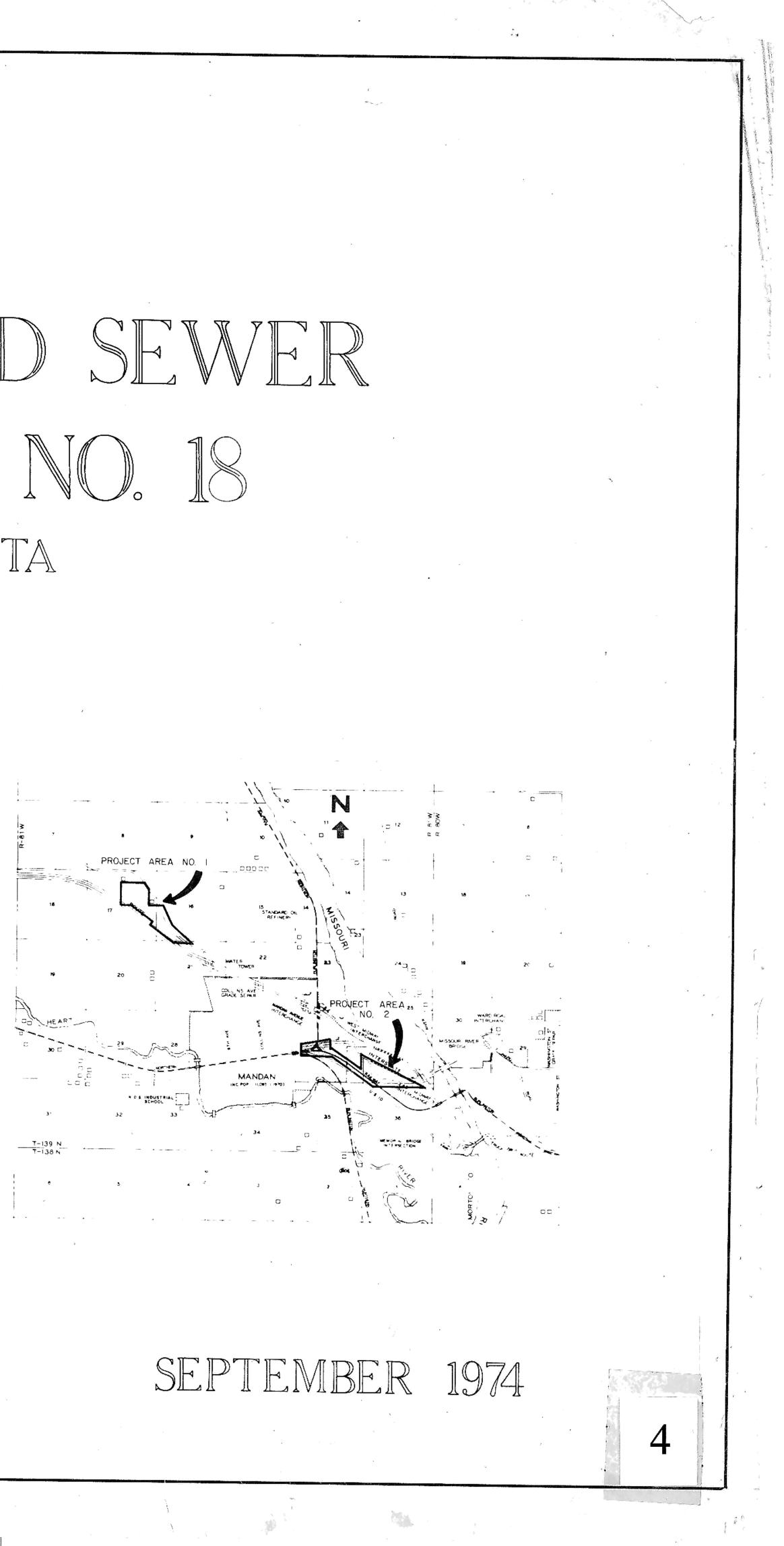
TOMAN ENGINEERING CO. CONSULTING ENGINEERS

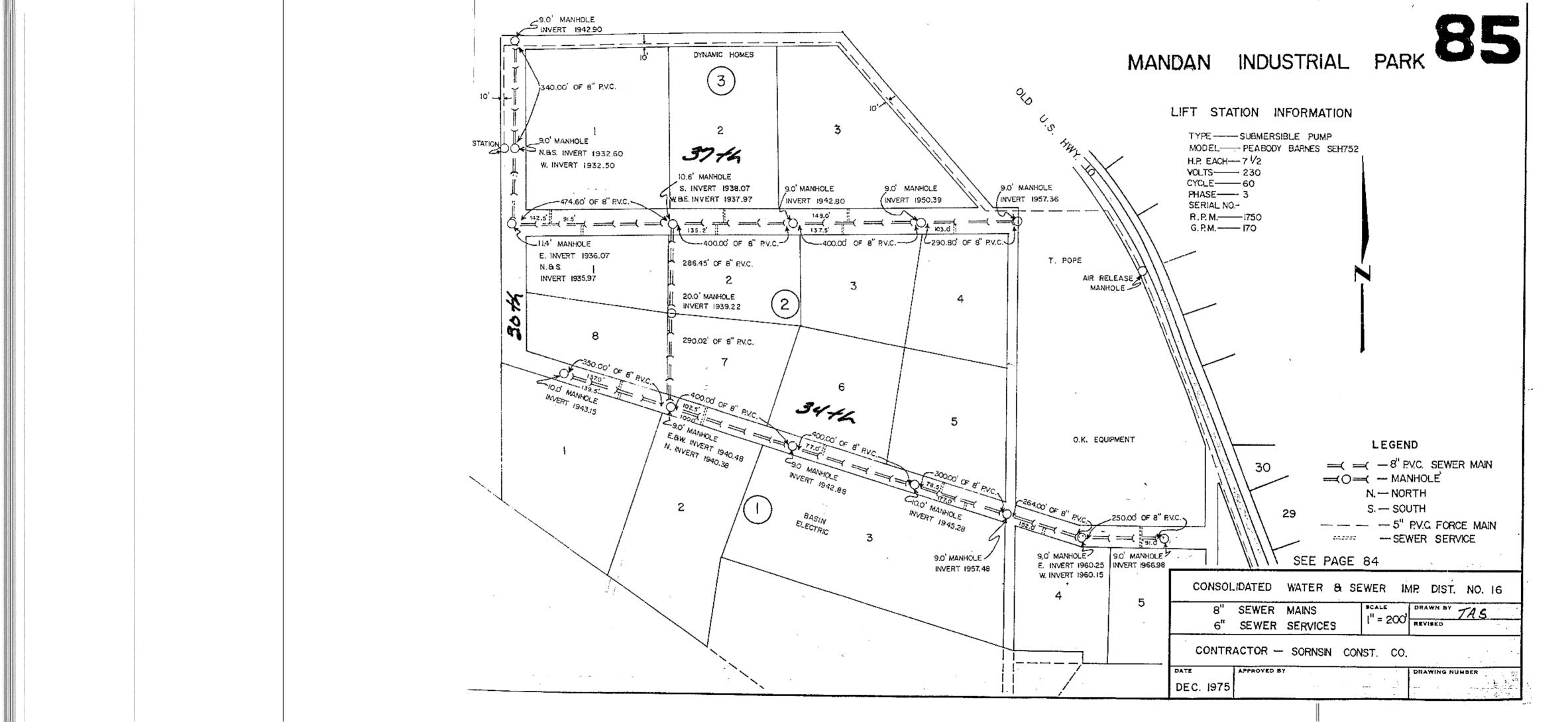
INDEX

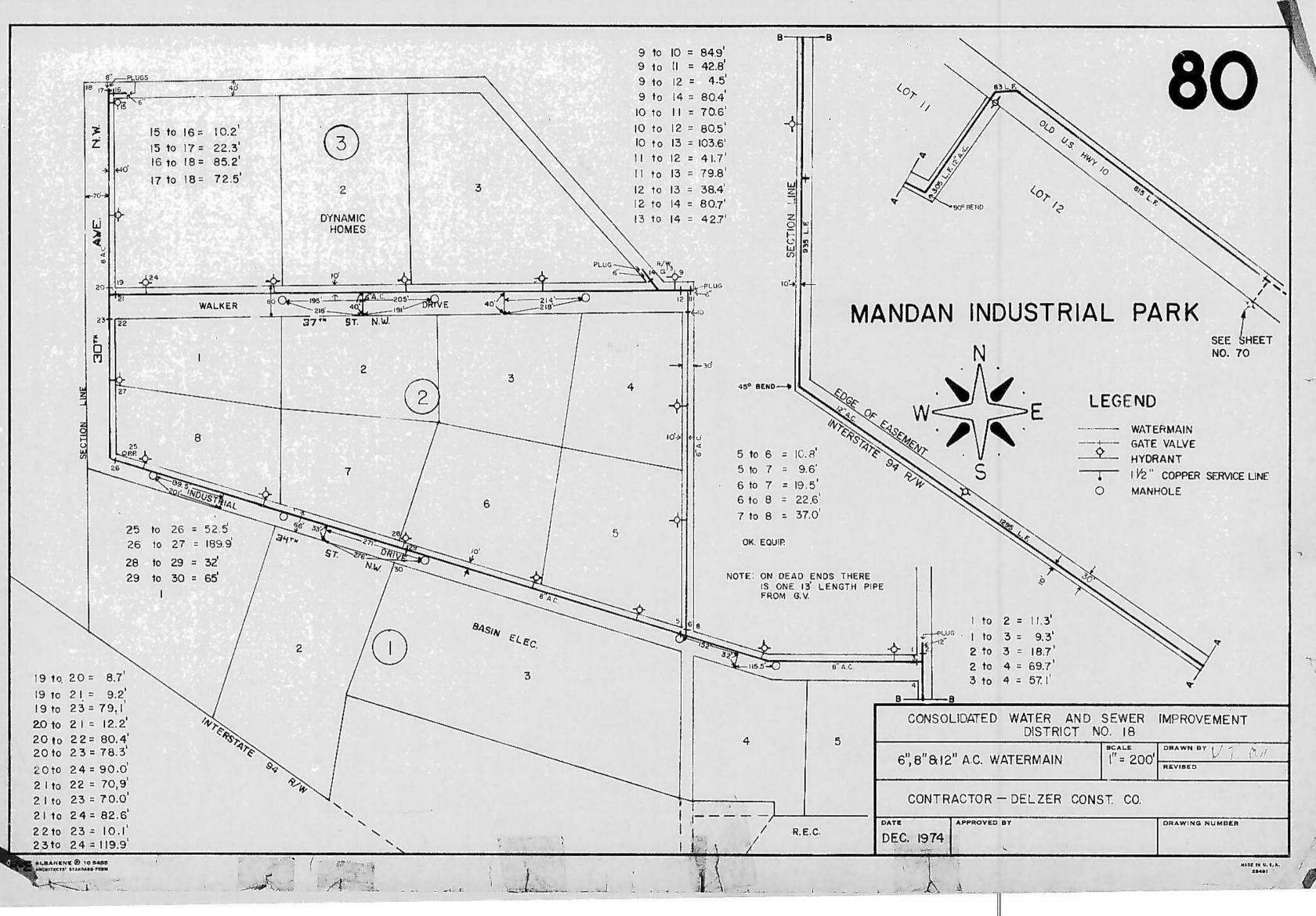
WATERMAIN PLAN - SEVEN SEAS MOTOR INN TO AND INCLUDING MANDAN INDUSTRIAL PARK WATERMAIN AND SEWERMAIN PLAN - EAST MAIN ST. TO TWIN CITY INDUSTRIAL PARK WATERMAIN AND SEWERMAIN PLAN - TWIN CITY INDUSTRIAL PARK MANHOLE DETAILS WATERMAIN DETAILS

HYDRANT AND VALVE DETAILS

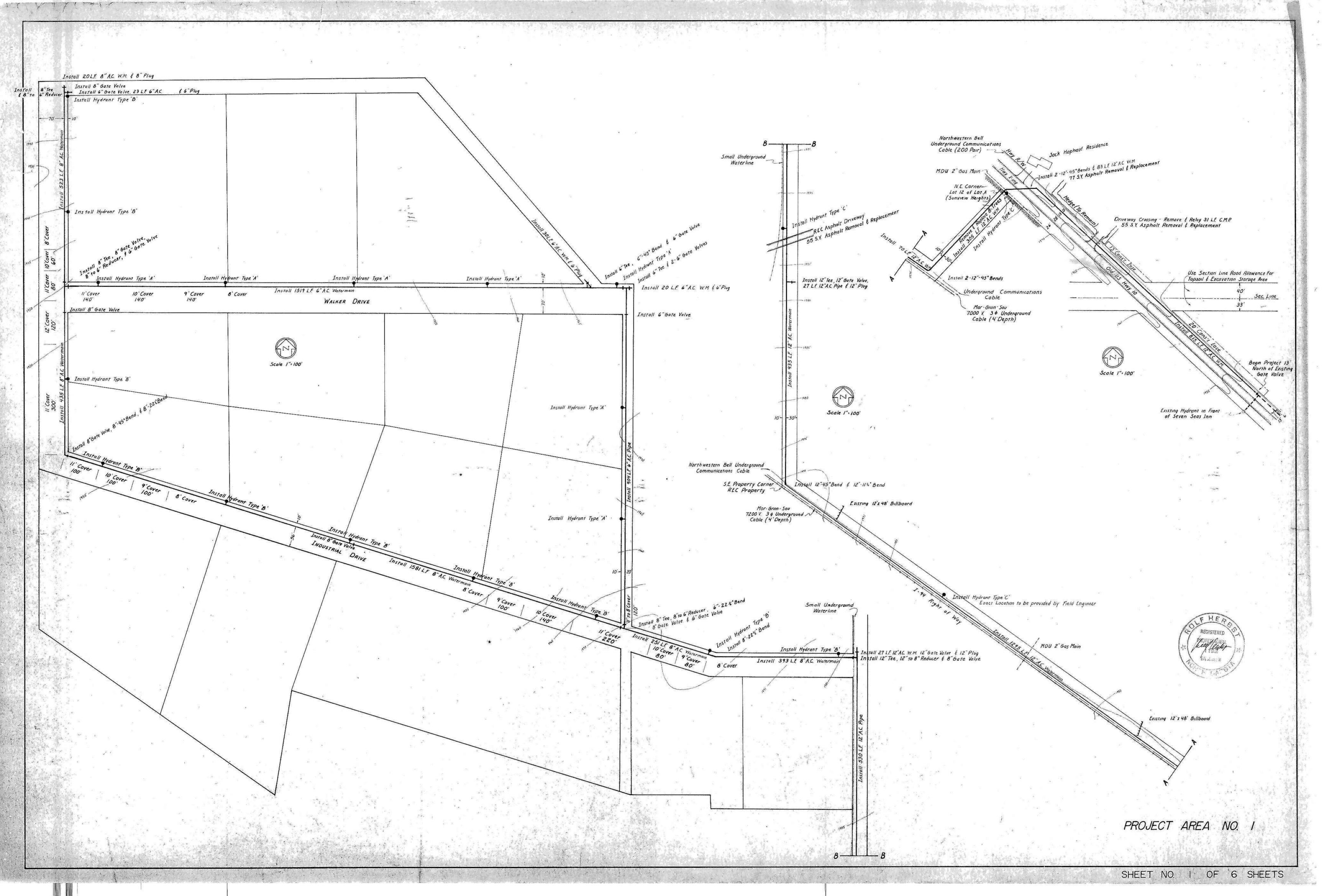


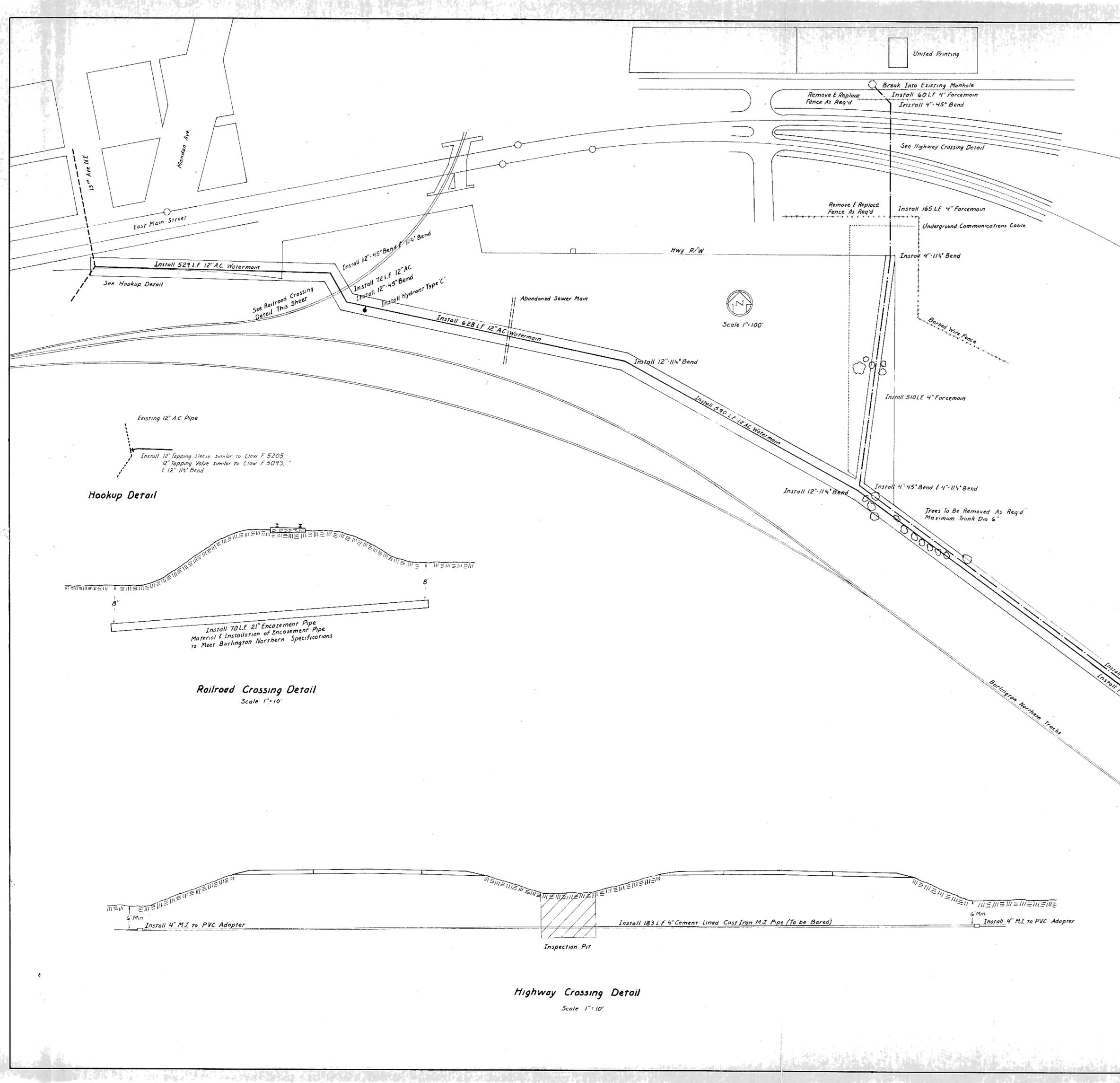












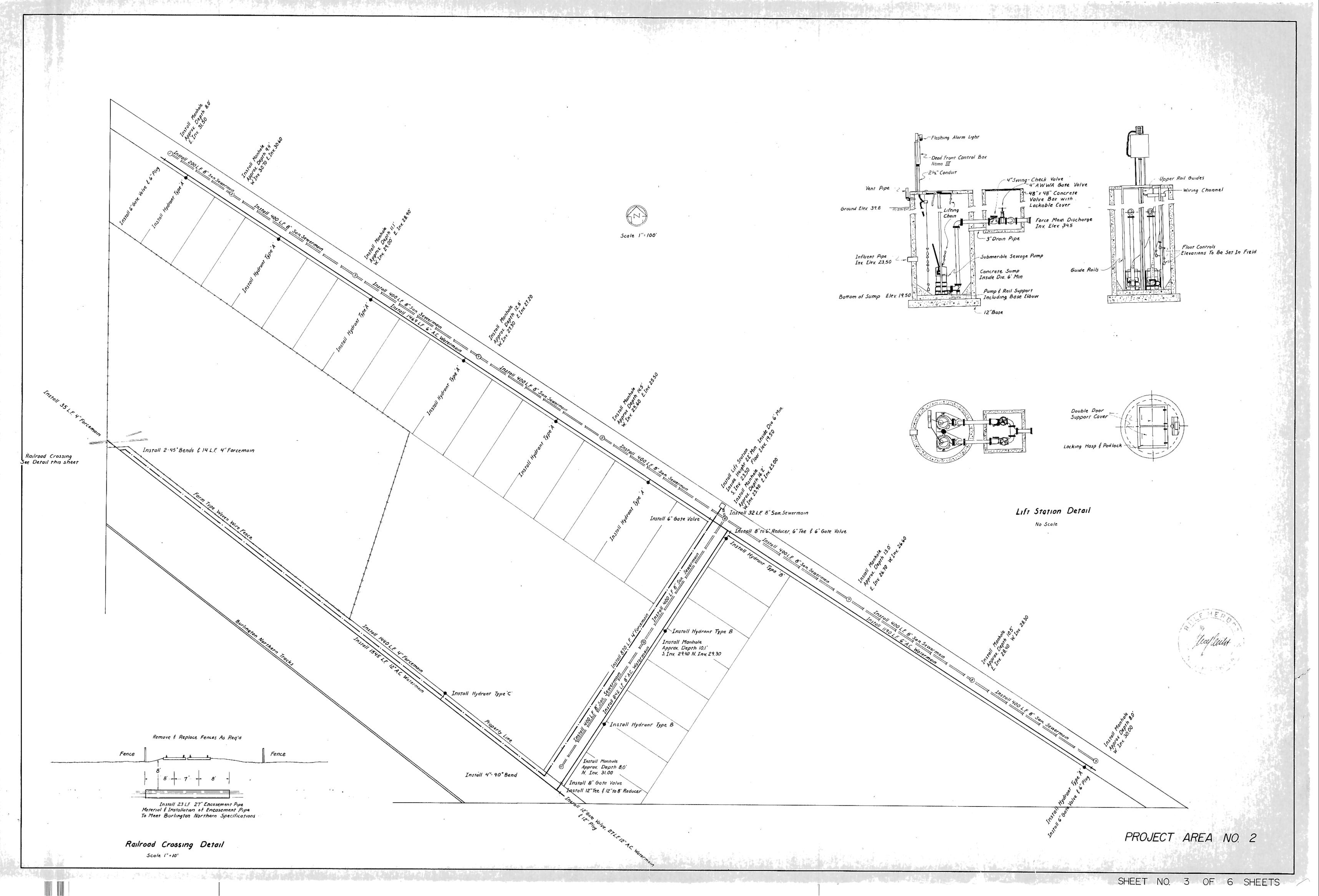
Notes:

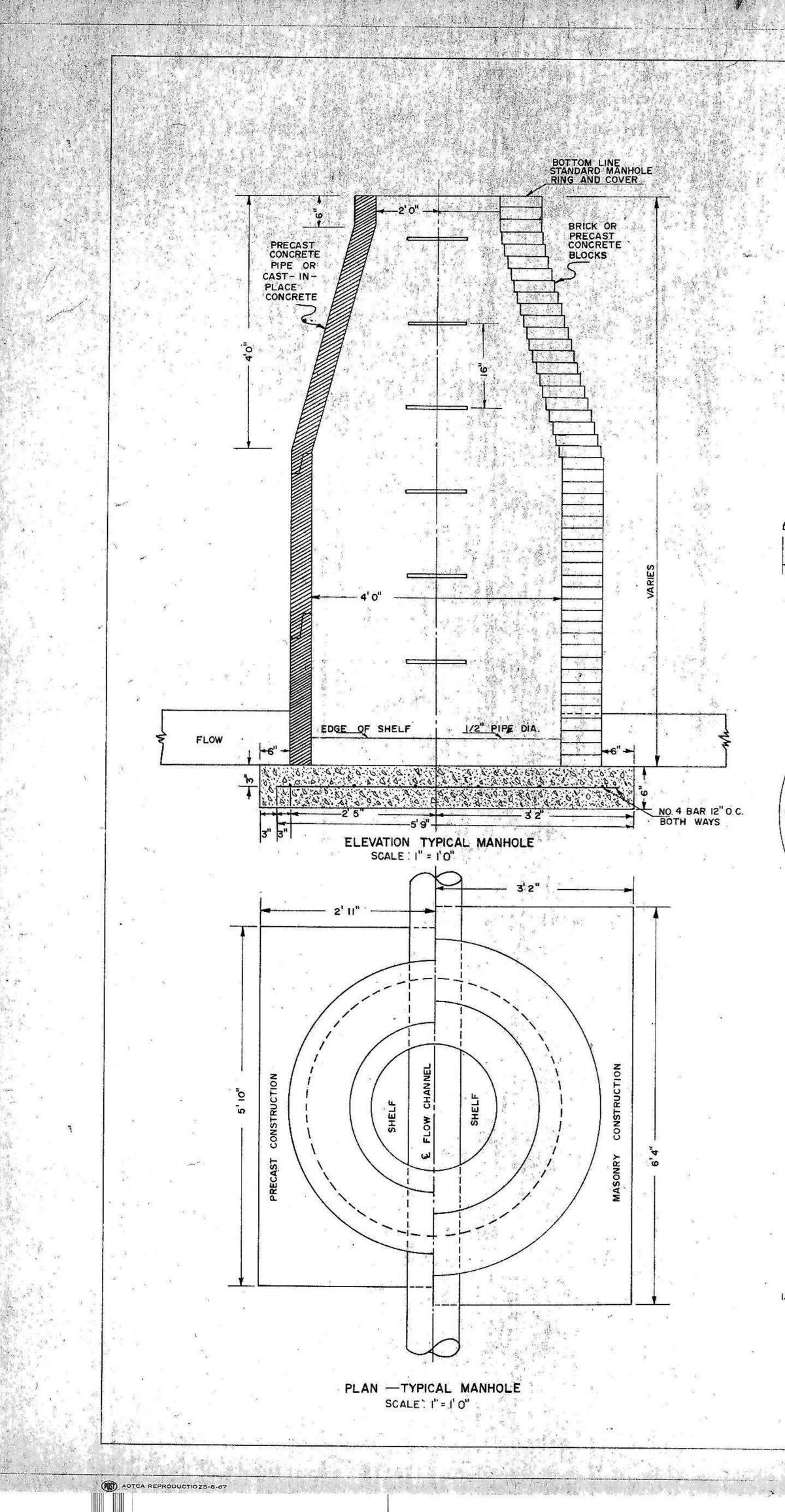
All AC. Watermain to be Class 150
 All Pipe installation lengths shown on plans are from center to center of fittings.
 Fence Removal & Replacement and Tree Removal on Sheets 2 & 3 to be considered

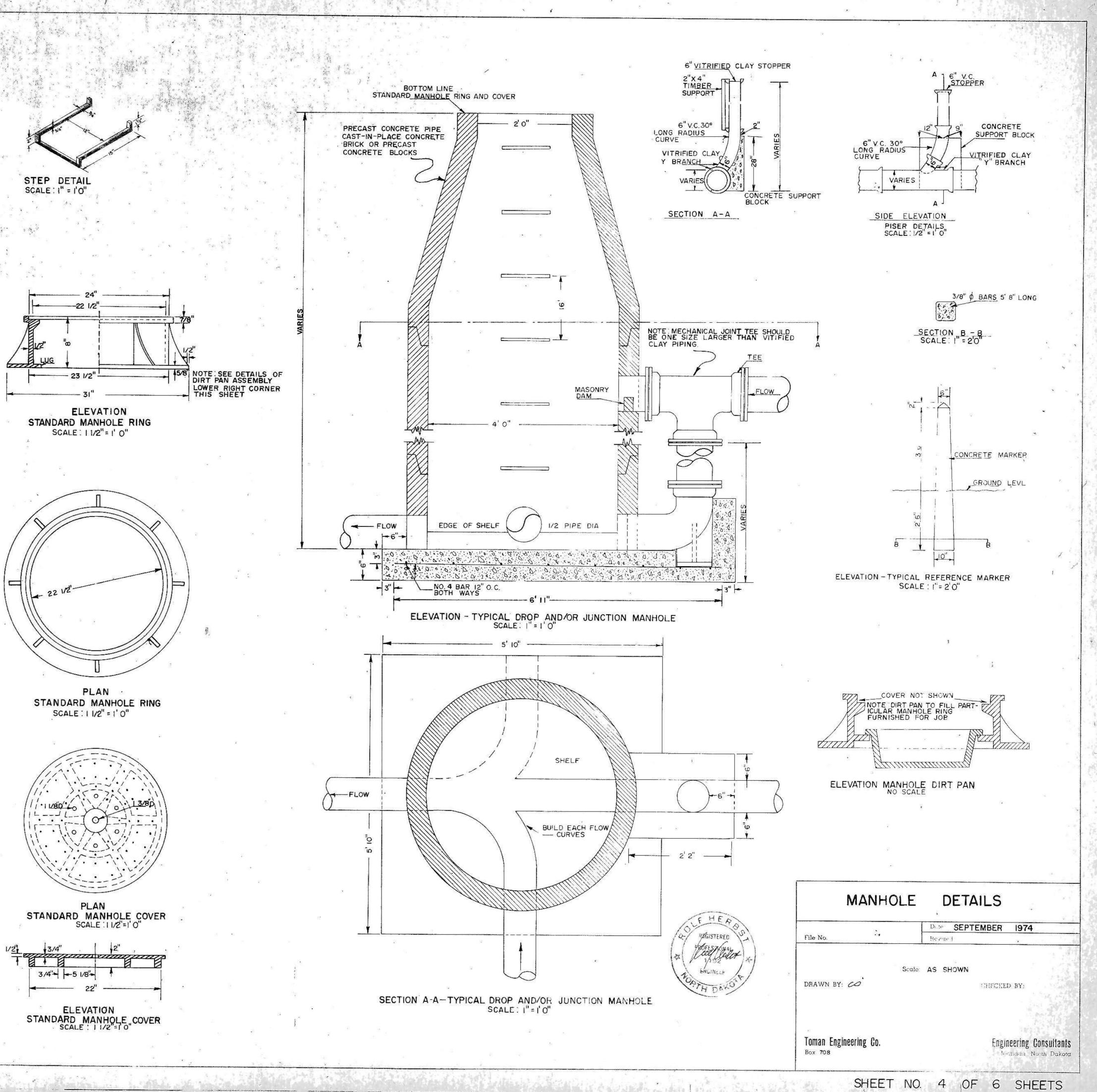
(3) Fence Removal & Replacement and Tree Removal on Sheets 2 & 3 to be considered incidental to pipeline installation
(9) Gate Valves for Hydrants to be placed approx. 3' from Hydrant
(5) The following quantities are to be included for the various Hydrant Installations Hydrant Type 'A' - 6" Tee, 10 LF. 6" A.C. Watermain, 6" Gate Valve & 5" Hydrant w/ 6" Hub Hydrant Type 'B' - 8" Tee, 10 LF. 8" A.C. Watermain, 8" Gate Valve & 6" Hydrant w/ 8" Hub Hydrant Type 'B' - 8" Tee, 10 LF. 8" A.C. Watermain, 8" Gate Valve & 6" Hydrant w/ 8" Hub Hydrant Type 'C' - 12" Tee, 12" to 8" Reducer, 10 LF. 8" A.C. Watermain, 8" Gate Valve & 6" Hydrant w/ 8" Hub B' 6' Min. Cover for Forcemain
(9) 8' Min. Cover for Watermain

Install 2.4".45° Bends ¢ 14 L.F. 4" Forcemain

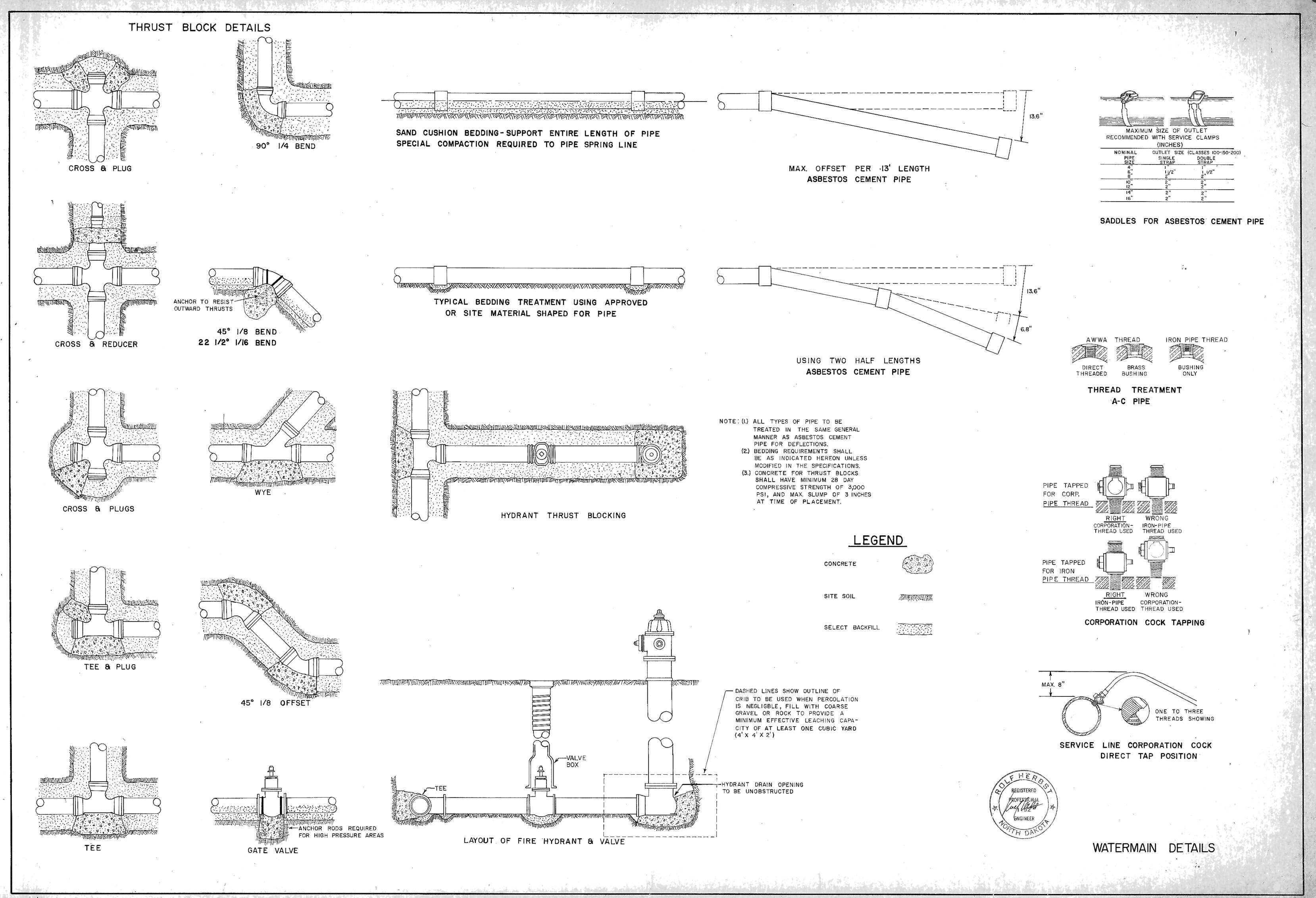
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SHEET NO 5 OF 6 SHEETS