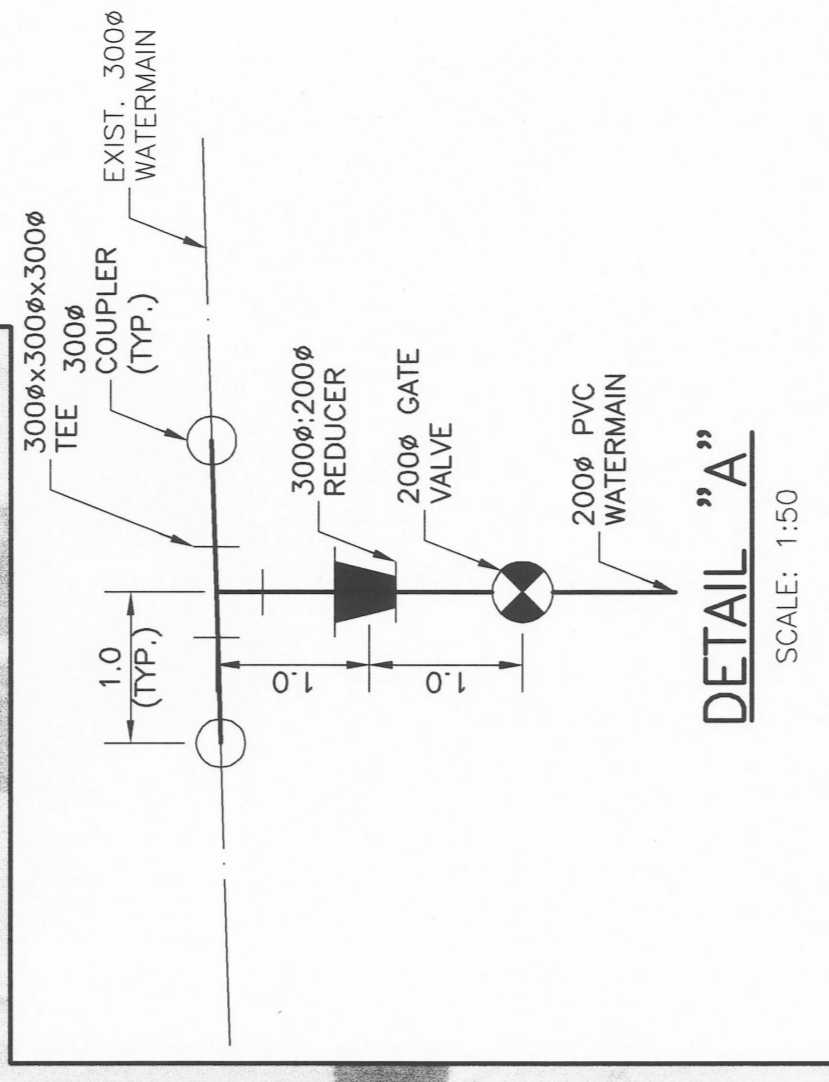
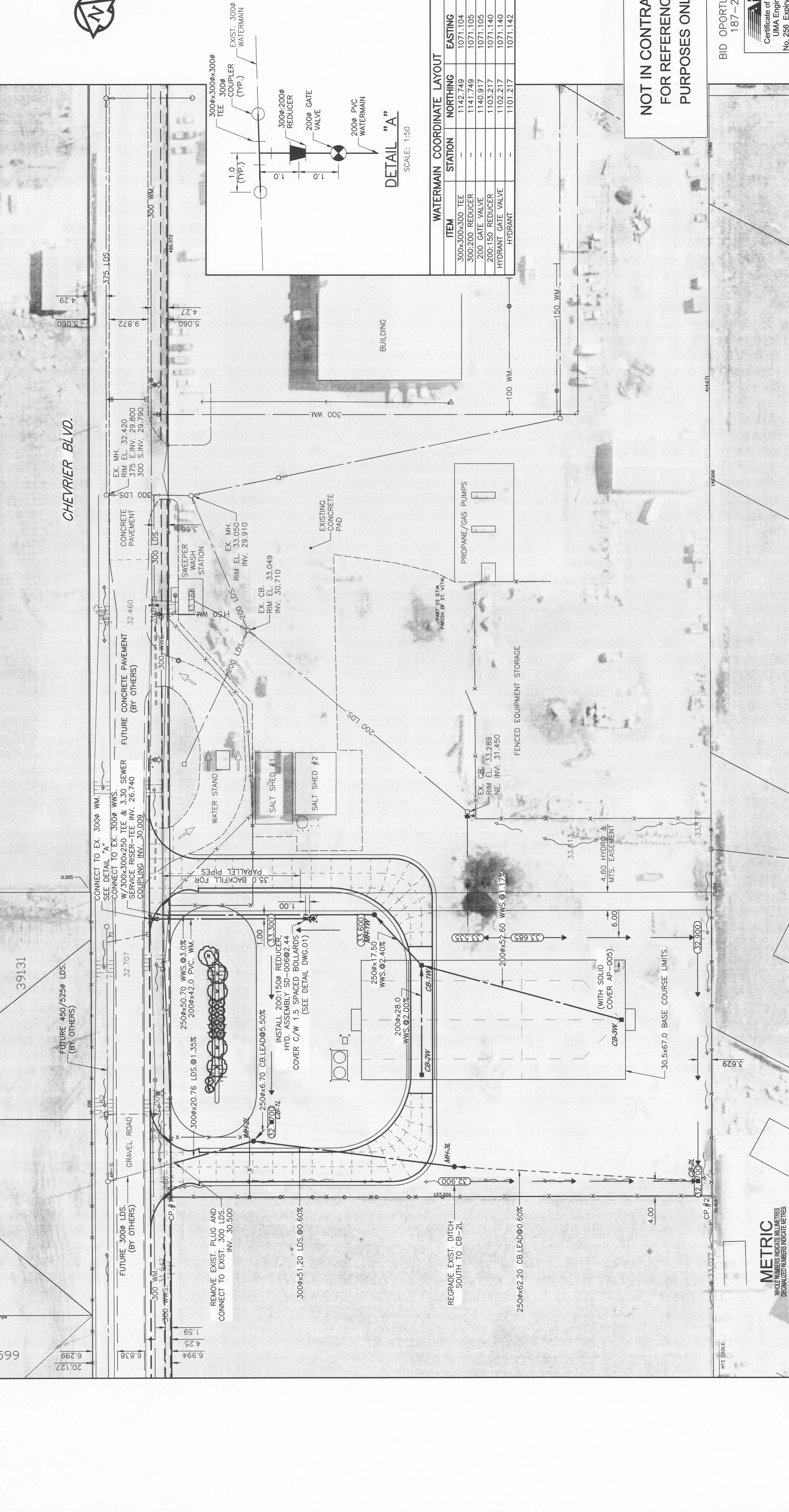


SEWERMANS COORDINATE LAYOUT								
STRUCTURE NUMBER	DESCRIPTION	NORTHING	EASTING	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT EAST	BOTTOM ELEVATION
COUPLING	300# TRANS.	1136.559	1008.816	—	300# 30.500	—	300# 30.500	—
MH-2L	1200#	1116.547	1014.332	33.000	300# 30.780	—	300# 30.780	30.780
CB-1L	1200 DP.	1111.935	1019.192	32.700	250#/NW 31.200	—	250#/SE 30.830	30.800
MH-3L	1200#	1065.740	1007.740	32.700	300# 31.090	—	—	31.090
CB-2L	1200 DP.	1003.994	1003.994	32.700	250# 31.500	—	—	30.900
TEE/RISER	300#x300#x250#	1139.526	1072.107	—	—	300# 26.740	300# 26.740	—
MH-1W	1500#	1085.807	1072.156	33.750	250# 31.530	—	—	31.530
CB-1W	1800 DP.	1073.951	1059.235	33.750	250#/NE 31.950	200# 32.000	200# 32.000	31.350
CB-2W	1200 DP.	1073.951	1031.235	33.750	—	—	—	31.950
CB-3W	1200 DP.	1023.201	1045.235	33.750	200# 32.550	—	—	31.950



WATERMAIN COORDINATE LAYOUT			
ITEM	STATION	NORTHING	EASTING
300#x300#x300 TEE	—	1142.749	1071.104
300#x200 REDUCER	—	1141.749	1071.105
200 GATE VALVE	—	1140.917	1071.105
200#x150 REDUCER	—	1103.217	1071.140
HYDRANT GATE VALVE	—	1102.217	1071.140
HYDRANT	—	1101.217	1071.142

NOT IN CONTRACT FOR REFERENCE PURPOSES ONLY

BID OPPORTUNITY No. 187-2004

**UMA**  
Certificate of Authorization  
UMA Engineering Ltd.  
No. 256 Expiry: April 30, 2004

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

SAND and SALT STORAGE FACILITY  
at 1539 WAVERLEY STREET  
YARD WORKS

SEWER, WATER & DITCHING PLAN  
HORIZONTAL LAYOUT, GRADES & DETAILS

ENGINEER'S SEAL  
PROF. OF MANITOBA  
**A. NAGY**  
April 21/04  
REGISTERED PROFESSIONAL ENGINEER

CITY DRAWING NUMBER N/A  
SHEET 2 OF 6  
REV 02 1

**UMA**  
• Consulting • Engineering • Construction • Management Services

DESIGNED BY JGK  
DRAWN BY DID  
HOR. SCALE: 1:500  
VERTICAL: N/A  
DATE: 04/02/12

75-004  
B.M. ELEV. 233.501  
S.W. COR. Waverley St. & Chevrier Blvd.  
1.0m W. & 0.3m below brick of  
N. E. Corner of Building

ISSUED FOR CONSTRUCTION 04Apr23  
ISSUED FOR REVIEW 04Apr02  
NO. REVISIONS

LEGEND	EXISTING	PROPOSED	LEGEND	EXISTING	PROPOSED
GAS	○	○	MANHOLE	○	○
HYDRO	□	□	CATCH BASIN/CATCH PIT	□	□
VIDEO	△	△	C & G INLET W/BOX	△	△
TRAFFIC SIGNALS	⊙	⊙	TREE	⊙	⊙
LAND DRAINAGE SEWER	◆	◆	TEST HOLE	◆	◆
SANITARY/COMBINED SEWER	⊕	⊕	PROPERTY LINE	⊕	⊕
CATCHBASIN LEAD	⊗	⊗	SURVEY BAR	⊗	⊗
WATERMAIN	—	—	FENCE	—	—
SUBDRAIN	—	—	BACK OF CURB/PAVEMENT	—	—
DITCH	—	—	ELEVATION	—	—
LEGEND	—	—	LEGEND	—	—

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES