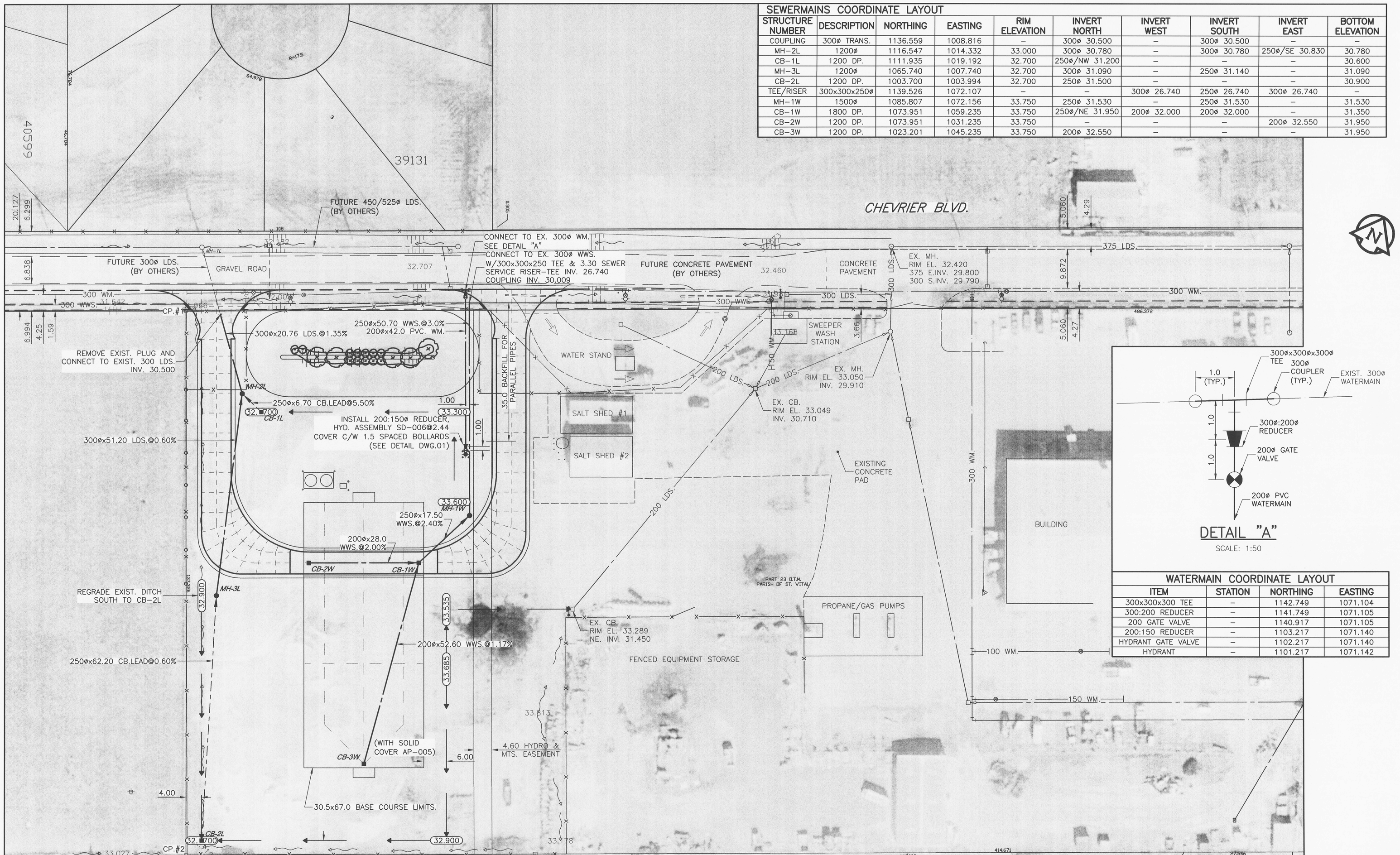
SEWERMAINS COORDINATE LAYOUT

STRUCTURE NUMBER	DESCRIPTION	NORTHING	EASTING	RIM ELEVATION	INVERT NORTH	INVERT WEST	INVERT SOUTH	INVERT EAST	BOTTOM ELEVATION
COUPLING	300ø TRANS.	1136.559	1008.816	–	300ø 30.500	–	300ø 30.500	–	–
MH–2L	1200ø	1116.547	1014.332	33.000	300ø 30.780	–	300ø 30.780	250ø/SE 30.830	30.780
CB–1L	1200 DP.	1111.935	1019.192	32.700	250ø/NW 31.200	–	–	–	30.600
MH–3L	1200ø	1065.740	1007.740	32.700	300ø 31.090	–	250ø 31.140	–	31.090
CB–2L	1200 DP.	1003.700	1003.994	32.700	250ø 31.500	–	–	–	30.900
TEE/RISER	300x300x250ø	1139.526	1072.107	–	–	300ø 26.740	250ø 26.740	300ø 26.740	–
MH–1W	1500ø	1085.807	1072.156	33.750	250ø 31.530	–	250ø 31.530	–	31.530
CB–1W	1800 DP.	1073.951	1059.235	33.750	250ø/NE 31.950	200ø 32.000	200ø 32.000	–	31.350
CB–2W	1200 DP.	1073.951	1031.235	33.750	–	–	–	200ø 32.550	31.950
CB–3W	1200 DP.	1023.201	1045.235	33.750	200ø 32.550	–	–	–	31.950



DETAIL "A"

SCALE: 1:50

WATERMAIN COORDINATE LAYOUT

ITEM	STATION	NORTHING	EASTING
300x300x300 TEE	–	1142.749	1071.104
300:200 REDUCER	–	1141.749	1071.105
200 GATE VALVE	–	1140.917	1071.105
200:150 REDUCER	–	1103.217	1071.140
HYDRANT GATE VALVE	–	1102.217	1071.140
HYDRANT	–	1101.217	1071.142

BID OPORTUNITY No. 187–2004

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

EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED
	GAS		○	MANHOLE	●		CONCRETE	
	MTS		□	CATCH BASIN/CATCH PIT	■		ASPHALT	
	HYDRO		△	C & G INLET W/BOX	▲		CONCRETE SIDEWALK	
	VIDEON		⊙	TREE			PAVING STONE	
	TRAFFIC SIGNALS		TH–12	TEST HOLE			TOPSOIL & SOD	
	LAND DRAINAGE SEWER			PROPERTY LINE			BASE COURSE/GRAVEL	
	SANITARY/COMBINED SEWER			SURVEY BAR			RAMP CURB	
	CATCHBASIN LEAD			FENCE				
	WATERMAIN			BACK OF CURB/PAVEMENT				
	SUBDRAIN		32.013	ELEVATION	33.100			
	DITCH							

B.M. 75–004 S.W. crn. Waverley St. & Chevrier Blvd. Tblt. in N. conc. found. #1539 Waverley
ELEV. 233.501 1.0m W. & 0.9m below brick of N. E. corner of Building

NO.	REVISIONS	DATE	BY
1	ISSUED FOR CONSTRUCTION	04Apr23	DID
0	ISSUED FOR REVIEW	04Apr02	DID

UMA Engineering Ltd.
• Consulting • Engineering • Construction • Management Services

DESIGNED BY: JGK
DRAWN BY: DID
HOR. SCALE: 1:500
VERTICAL: N/A
YY/MM/DD: 04/02/12
CHECKED BY:
APPROVED BY:
RELEASED FOR CONSTRUCTION
DATE: April 22/04

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

CONSULTANT DRAWING NO. 41–0103–0265–366–00

Winnipeg

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

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

PLOT SCALE = 1:0.50
AutoCAD 15.05 P:\0265\366–00\ALD\Sand Salt Facility 1539 Waverley\dwg\Sand Salt Facility Site Plan.dwg 2004–04–21 08:34am DID