

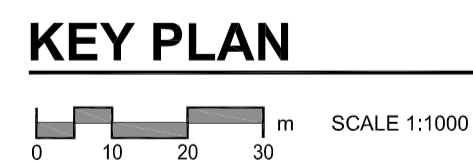
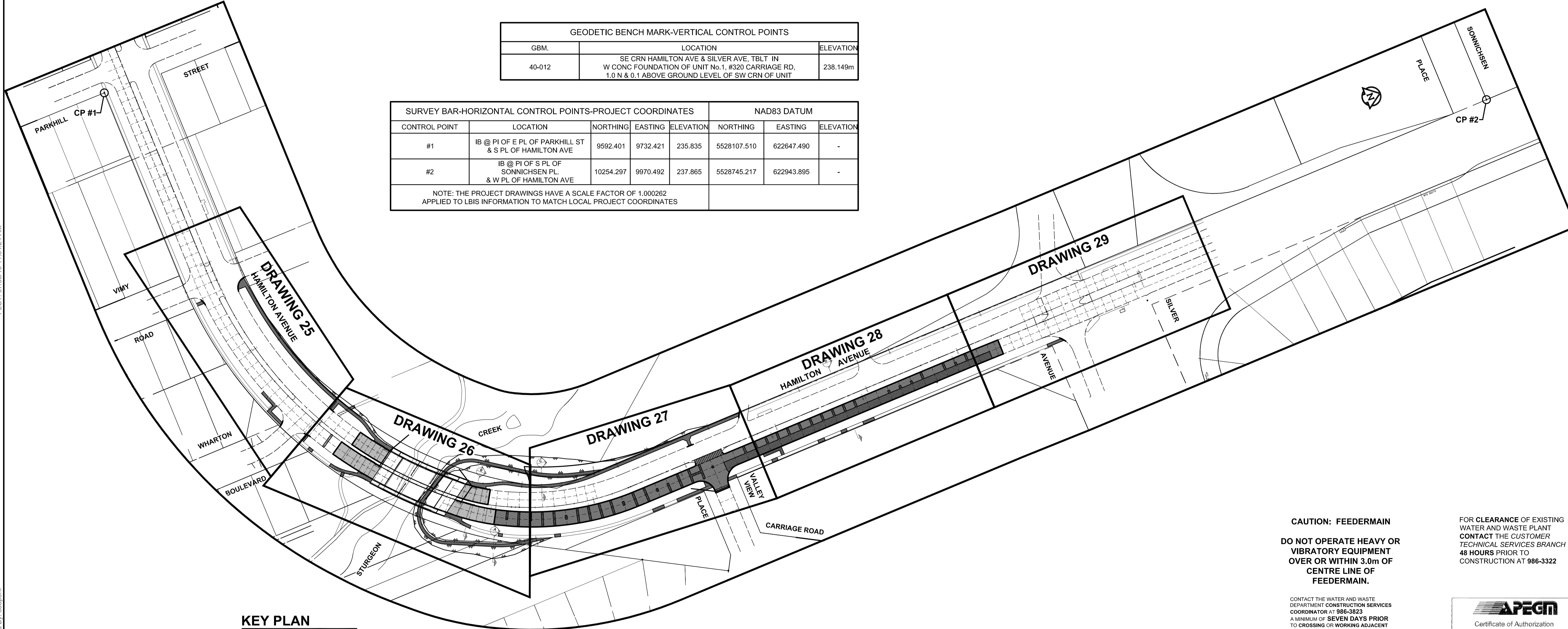
ABBREVIATIONS - GENERAL

ABANDON (ED)	ABAN	CURB INLET	CI	FEEDERMAIN	FM	NORTH	N	REINFORCED CONCRETE	RC
APPROXIMATE	APROX	CURB & GUTTER INLET	C & GI	FENCE	F	ON CENTER	O/C	REINFORCING	RC
ASPHALT	ASPH	CRESCENT	CRES	FRAME & COVER	FRME & CVR	ORIGINAL GROUND	OG	REVISED/REVISION	REV
BEGINNING OF CURVE	BC	CROSS SECTION	XSEC	GATE VALVE	GV	OUTSIDE DIAMETER	OD	RIGHT	RGHT
BEGINNING OF VERTICAL CURVE	BVC	DEGREE	DEG	GRASS	GRSS	PAVEMENT	PAVT	RIGHT-OF-WAY	ROW
BACK OF CURB	BOC	DETOUR	DET	GRAVEL	GRVL	POINT OF COMPOUND CURVE	PCC	SEWER SERVICE PIPE	SSP
BOTTOM	BOT	DIAMETER	DIA	HIGHWAY	HWY	POINT OF CURVE	PC	SIDEWALK	SW
BOULEVARD	BLVD	DRAINAGE CONNECTION PIPE	DCP	HORIZONTAL	HORZ	POINT OF INTERSECTION	PI	STANDARD	STD
BUILDING	BLDG	DRAWING	DWG	HYDRANT	HYD	PI OF VERTICAL CURVE	PVVC	STATION	STA
CATCH BASIN	CB	EAST	E	HYDRO	H	POINT OF TANGENT	PT	STORM RELIEF SEWER	SRS
CATCH PIT	CP	EDGE OF PAVEMENT	EOPAVT	INVERT ELEVATION	INV. EL	POINT OF VERTICAL INTERSECTION	PVI	STREET	ST
CENTERLINE	CL	ELEVATION	EL	IRON BAR	IB	POINT ON CURVE	POC	SWALE	SWL
CENTER RADIUS	CTR	END OF CURVE	EC	JUNCTION	JCT	POINT ON REVERSE CURVE	PRC	SYMMETRICAL	SYM
CHECKED	CHKD	END OF TAPER	ET	LAND DRAINAGE SEWER	LDS	POINT ON TANGENT	POT	TANGENT	TAN
COMBINED SEWER	CS	END OF VERTICAL CURVE	EVC	LENGTH OF VERTICAL CURVE	LVC	POINT ON VERTICAL CURVE	PVC	TAPER	TPR
CONCRETE	CONC	ENTRANCE	ENT	LEFT	LFT	PROPERTY LINE	PL	TRAFFIC SIGNAL	TS
CONCRETE CURB	CC	EQUALLY SPACED	ES	MANHOLE	MH	PROPOSED	PROP	VERTICAL	VERT
COORDINATE	COORD	EXCAVATION	EXC	MAXIMUM	MAX	RADIUS	R	VERTICAL CURVE	VC
CORRUGATED STEEL PIPE	CSP	EXISTING	EXST	MONUMENT	MON	RED LIGHT CAMERA	RLC	WASTE WATER SEWER	WWS
								WATERMAIN	WM

GEODETTIC BENCH MARK-VERTICAL CONTROL POINTS		
GBM.	LOCATION	ELEVATION
40-012	SE CRN HAMILTON AVE & SILVER AVE. TBLT IN W CONC FOUNDATION OF UNIT No.1, #320 CARRIAGE RD, 1.0 N & 0.1 ABOVE GROUND LEVEL OF SW CRN OF UNIT	238.149m

SURVEY BAR-HORIZONTAL CONTROL POINTS-PROJECT COORDINATES				NAD83 DATUM			
CONTROL POINT	LOCATION	NORTHING	EASTING	ELEVATION	NORTHING	EASTING	ELEVATION
#1	IB @ PI OF E PL OF PARKHILL ST & S PL OF HAMILTON AVE	9592.401	9732.421	235.835	5528107.510	622647.490	-
#2	IB @ PI OF S PL OF SONNICHSEN PL. & W PL OF HAMILTON AVE	10254.297	9970.492	237.865	5528745.217	622943.895	-

NOTE: THE PROJECT DRAWINGS HAVE A SCALE FACTOR OF 1.000262 APPLIED TO LBIS INFORMATION TO MATCH LOCAL PROJECT COORDINATES



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

CAUTION: FEEDERMAIN
DO NOT OPERATE HEAVY OR VIBRATORY EQUIPMENT OVER OR WITHIN 3.0m OF CENTRE LINE OF FEEDERMAIN.

FOR CLEARANCE OF EXISTING WATER AND WASTE PLANT CONTACT THE CUSTOMER TECHNICAL SERVICES BRANCH 48 HOURS PRIOR TO CONSTRUCTION AT 986-3322

CONTACT THE WATER AND WASTE DEPARTMENT CONSTRUCTION SERVICES COORDINATOR AT 986-3823 A MINIMUM OF SEVEN DAYS PRIOR TO CROSSING OR WORKING ADJACENT TO FEEDERMANS TO ARRANGE FOR INSPECTION.

APEGM
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: May 19/07

BID OPPORTUNITY NO.349-2007

LOCATION APPROVED UNDERGROUND STRUCTURES <i>[Signature]</i> DATE: MAY 19 07 SUPR. U/G STRUCTURES COMMITTEE	BM 40-012 ELEV 238.149m	UMA AECOM
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	DESIGNED BY: WRJ DRAWN BY: DID HOR. SCALE: AS SHOWN VERT. SCALE: AS SHOWN DATE: 07/05/10	CHECKED BY: JGK APPROVED BY: <i>[Signature]</i> RELEASED FOR CONSTRUCTION DATE: 07/19/10
ISSUED FOR CONSTRUCTION 07/05/10 KLC	NO. REVISIONS: YYMMDD BY:	PROFESSIONAL'S SEAL PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER R. P. BRUCE CONSULTANT DRAWING NO. 0265-397-00_01-CT1000_RX.dwg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION ENGINEERING DIVISION

HAMILTON AVENUE NORTHBOUND STREET REHABILITATION FROM VIMY ROAD TO SILVER AVENUE
ABBREVIATIONS, KEY PLAN, DRAWING LIST, HORIZONTAL AND VERTICAL CONTROL

CITY DRAWING NUMBER B133-07-23	DRAWING No. REV 23 0
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