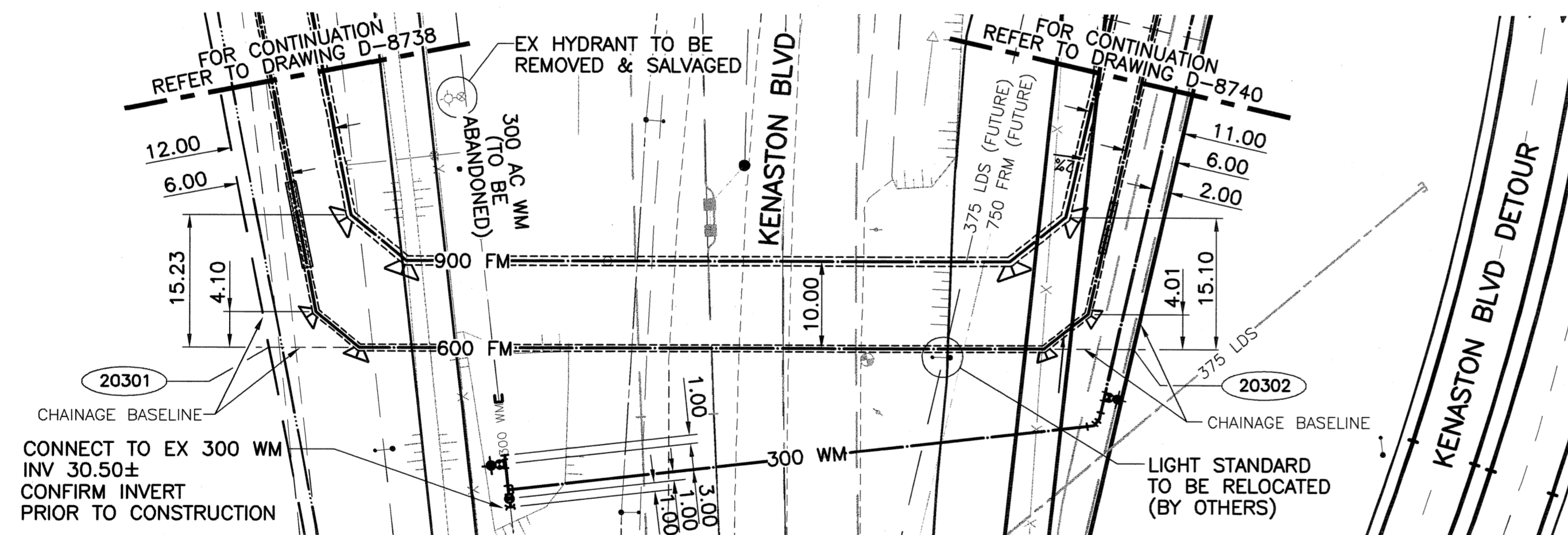


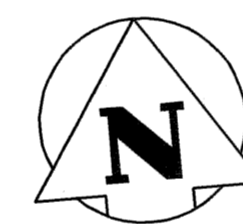
300 WATERMAIN & 600 FEEDERMAIN PROFILE

(900 FEEDERMAIN NOT SHOWN FOR CLARITY - SEE DWG No. D-8742)

CHAINAGE ALONG SOUTH CHAINAGE BASELINE



CONNECT TO EX 300 WM INV 30.50± CONFIRM INVERT PRIOR TO CONSTRUCTION



300 Watermain Coordinates			
Point Number	Northing	Easting	Description
20204	10654.826	10047.837	300 45' BEND
20205	10655.506	10048.565	300 22.5' BEND
20206	10657.981	10049.530	HYDRANT TEE
20207	10666.157	10052.718	GRADE BREAK
20208	10735.407	10079.719	300 VALVE
20209	10738.202	10080.808	HYDRANT TEE
20210	10759.510	10089.116	300 TEE
20211	10775.679	10095.421	300 45' BEND
20212	10799.377	10132.128	300 45' BEND
20213	10799.537	10140.062	HYDRANT TEE
20214	10799.557	10141.062	CONNECT TO EXIST MAIN

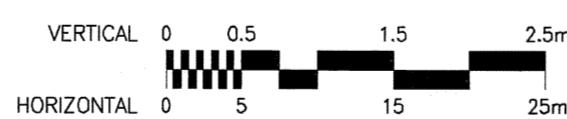
600 Feedermain Coordinates			
Point Number	Northing	Easting	Description
20103	10680.497	9961.765	600 39'35' BEND
20104	10675.716	9966.080	600 39'35' BEND
20105	10671.532	9994.598	GRADE CHANGE
20106	10667.009	10025.434	GRADE CHANGE
20107	10664.368	10043.438	600 38'32' BEND
20108	10667.605	10049.005	600 38'32' BEND
20109	10774.832	10090.786	GRADE CHANGE
20110	10800.019	10100.600	600 22'30 BEND
20111	10803.193	10103.646	600 45' BEND
20112	10803.227	10105.346	CONNECT TO EXISTING FEEDERMAIN

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



EXISTING	LEGEND	PLAN	NEW	EXISTING	LEGEND	PLAN	NEW	EXISTING	LEGEND	PLAN	NEW
○	MANHOLE		●	□	CATCH BASIN/CATCH PIT		▲	△	C & G INLET WITH BOX		■
○	MTS		○	○	HYDRO		○	○	CATV		○
○	TRAFFIC SIGNALS		○	○	LAND DRAINAGE SEWER		○	○	SANITARY/COMBINED SEWER		○
○	CATCHBASIN LEAD		○	○	WATERMAIN		○	○	SUBDRAIN		○
○	DITCH/SWALE		○	○	DITCH/SWALE		○	○			○
○	MANHOLE		○	○	TEST HOLE		○	○	PROPERTY LINE		○
○	SURVEY BAR		○	○	GEODETIC MONUMENT		○	○	FENCE		○
○	B.O.CURB/E.O.PAVEMENT		○	○	ELEVATION		○	○	SIGN		○
○	RAIL SIGNALS/SIGNS		○	○	CONTROL POINT		○	○	POLE		○

LOCATION APPROVED UNDERGROUND STRUCTURES

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.

B.M. GBM67-001
 ELEV. 234.148

DESIGNED BY	MGM	CHECKED BY	
DRAWN BY	DML	APPROVED BY	
ISSUED FOR TENDER	05/06/21	WJD	
ISSUED FOR CLIENT REVIEW	05/02/28	DML	
NO. REVISIONS	DATE	BY	DATE

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 ENGINEER'S SEAL
 PROVINCE OF MANITOBA
 1 June
 C.G. MACEY
 REGISTERED ENGINEER
 CONSULTANT DRAWING NO. 4231-040-02

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 Winnipeg ENGINEERING DIVISION
KENASTON UNDERPASS PROJECT
 CHARLESWOOD AND WILKES FEEDERMAIN RELOCATION
 300 & 600 MAINS - SOUTH LEG OF RELOCATION
 WEST LIMIT TO EAST LIMIT

BID OPPORTUNITY
 No. 340-2005

Certificate of Authorization
 UMA Engineering Ltd.
 No. 256 Expiry: April 30, 2006

SHEET 3 OF 9
 CAD FILE DRAWING NUMBER 01-C-0003_RX
 CITY DRAWING NUMBER D-8739