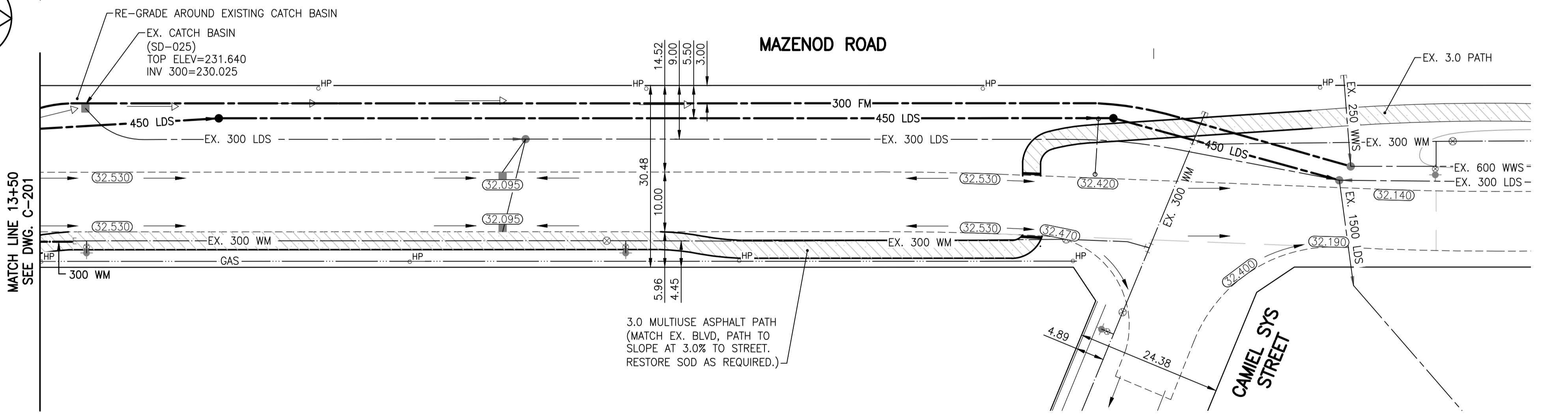


MATERIALS LIST				
ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY
①	300 COUPLING	-	-	1
②	300 D.I. SPOOL	FL X PE	0.900	1
③	300 GATE VALVE - RISING STEM	FL X FL	-	1
④	300X300X150 C.I. TEE	-	-	1
⑤	CONCRETE SUPPORT	-	-	1
⑥	300 D.I. SPOOL	FL X PE	0.300	1
⑦	300 COUPLING	-	-	1
⑧	150 GATE VALVE (W/BLIND FLANGE)	FL X FL	-	1
⑨	1500 CONCRETE MANHOLE	-	-	1
⑩	1500X1200 REDUCER	-	-	1
⑪	TITAN TF48 1200 MANHOLE F&C	-	-	1



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

NOTES:

- ALL INTERSECTION RADIUS ARE 7.50m AND ALL LANE RADIUS ARE 4.50m UNLESS NOTED OTHERWISE.
- CHAINAGES SHOWN ARE ALONG CENTERLINE OF ROAD.
- SUBDRAINS 18.00m EACH SIDE OF CATCH BASINS (SD-245).
- ALL PIPE UNDER EXISTING AND FUTURE PAVEMENT ARE INSTALLED BY TRENCHLESS METHODS.
- ALL LONG ASSEMBLY HYDRANTS (SD-006)
 ALL SHORT ASSEMBLY HYDRANTS (SD-007).

150 WM		150 WM		150 WM		150 WM	
+	WATERMAIN	+	HYDRANT	+	WATERMAIN	+	HYDRANT
+	HYDRANT	+	M.T.S.	+	HYDRANT VALVE	+	M.T.S.
+	VALVE	+	CONCRETE	+	LAND DRAINAGE SEWER	+	CONCRETE
+	LAND DRAINAGE SEWER	+	ASPHALT	+	WASTE WATER SEWER	+	ASPHALT
+	WASTE WATER SEWER	+	SIDEWALK	+	WASTE WATER SEWER	+	SIDEWALK
+	MANHOLE	+	PROPERTY LINE	+	WASTE WATER SEWER	+	PROPERTY LINE
+	CATCH BASIN	+	SURVEY BAR	+	WASTE WATER SEWER	+	SURVEY BAR
+	CURB INLET	+	DITCH	+	WASTE WATER SEWER	+	DITCH
+	JUNCTIONS	+	ROAD ELEVATION	+	WASTE WATER SEWER	+	ROAD ELEVATION
+	CULVERT	+		+	WASTE WATER SEWER	+	
+	GAS	+		+	WASTE WATER SEWER	+	
+	LEGEND-PLAN	+	PROPOSED	+	LEGEND-PLAN	+	PROPOSED
+	EXISTING	+	EXISTING	+	EXISTING	+	EXISTING

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPV. U/G STRUCTURES COMMITTEE DATE

NO.	REVISIONS	YY.MM.DD	BY	DATE
2	ISSUED FOR CONSTRUCTION	16.01.04	P.J.S.	
1	SUBMITTED FOR CITY REVIEW	15.11.19	P.J.S.	

B.M. 32-005
 ELEV. 231.677

1:500H
 1:50V

Stantec
 500 - 311 Portage Avenue, Winnipeg MB Canada R3B 2B9
 Tel. 204.489.5900 Fax. 204.453.9012 www.stantec.com

DESIGNED BY: P.J.S. CHECKED BY: D.P.M.
 DRAWN BY: L.D. APPROVED BY: P.J.S.

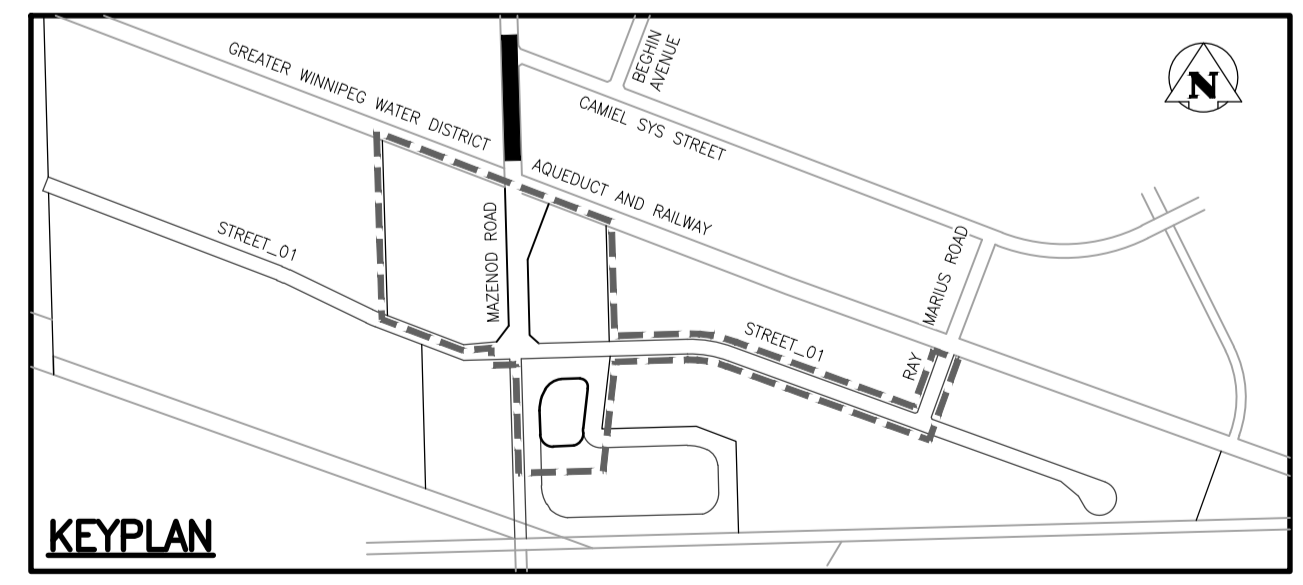
HOR. SCALE: 1:500
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION: DATE

APEGM
 Certificate of Authorization
 Stantec Consulting Ltd.
 No. 1301

ENGINEER'S SEAL
 PROVINCE OF MANITOBA
 P.J. SUNDERLAND
 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
 C-203



THE CITY OF WINNIPEG
 Winnipeg

ST. BONIFACE INDUSTRIAL PARK - PHASE 2 - STAGE 1 8 OF 15

MAZENOD ROAD
 325m N OF STREET_01 TO
 CAMEL SYS STREET

SHEET OF
 CAD FILE DRAWING NUMBER
 09351C-201-846.DWG
 CITY DRAWING NUMBER

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