KENASTON EB

LANE EDGE

KENASTON EASTBOUND CONTROL LINE

1+732.962 239.955
1+726.462 239.766
1+719.962 239.564
1+713.462 239.350
1+706.962 239.126
1+701.813 238.920
1+733.813 239.596
1+911.518 240.407
1+905.018 240.551
1+898.518 240.683
1+918.018 240.249
1+897.666 240.316
1+924.274 240.085

3.00% 2.90% 3.10% 3.31% 3.45% 4.00% 4.00% -2.12% -2.02% -2.22% -2.43% -2.63% -2.98% -4.00% -4.00%

BVCS: 1+733.813
BVCE: 239.980

BVCS: 1+701.813
BVCE: 238.476

HIGH POINT ELEV: 241.420
HIGH POINT STA: 1+829.813
PVI STA: 1+815.740
PVI ELEV: 242.438
A.D.: -5.12%
K: 32
LVC: 163.85

HIGH POINT ELEV: 241.036
HIGH POINT STA: 1+829.813
PVI STA: 1+829.813
PVI ELEV: 243.596
A.D.: -8.00%
K: 32
LVC: 256.00

HIGH POINT ELEV: 240.078
HIGH POINT STA: 1+924.518
PVI STA: 1+941.166
PVI ELEV: 239.585
A.D.: -1.04%
K: 32
LVC: 33.29

EVCS: 1+897.667
EVCE: 240.701

EVCS: 1+957.813
EVCE: 238.476

BVCS: 1+924.518
BVCE: 240.078

EVCS: 1+957.813
EVCE: 238.919

EXIST. GROUND

241.0 240.0 239.0 238.0 237.0

MATCHLINE AT STA: 1+680

MATCHLINE AT STA: 2+010

1+680 1+720 1+760 1+800 1+840 1+880 1+920 1+960 2+000

KENASTON BV

BISHOP GRANDIN BV

INSTALL 120 mm DOWELLED MOUNTABLE CURB (TYP.) — 15 / 89 106

ADJUST TRAFFIC SIGNAL (BY TRAFFIC SIGNALS BRANCH)

INSTALL MONOLITHIC CONC.BULLNOSE SD-226A (TYP.)

ADJUST TRAFFIC SIGNAL (BY TRAFFIC SIGNALS BRANCH)

EXIST. MANHOLE

INSTALL 11.4m OF 375 PVC CB LEAD
E INV = 231.320
W INV = 231.092

120mm INTEGRAL MOUNTABLE CURB SD-201

FRENCH DRAIN (TYP.) — 8 / 89 106

7 / 89 105 GROUTED RIP RAP END CULVERT

11 / 89 106 STONE RIP RAP CHANNEL

13 / 89 107 MOUNTABLE CONCRETE CURB AND GUTTER

INSTALL 450mm Ø x 26.9 C.S.P
N. INV = 232.769
S. INV = 236.550

NORTH EAST DITCH

KENASTON SOUTHBOUND CONTROL LINE

ATP 3 CONTROL LINE

ATP 2 CONTROL LINE

REMOVE CATCH BASIN

INSTALL MIDWEST GUARDRAIL SYSTEM

12 / 89 107 MOUNTABLE CONCRETE CURB AND GUTTER

ADJUST STREET LIGHT (BY HYDRO)

INSTALL DETECTABLE WARNING TILE SD-229A (TYP.)

ADJUST MANHOLE RIM = 232.446

ADJUST CATCH BASIN RIM = 232.424

RELOCATE STREET LIGHT (BY HYDRO)

BISHOP GRANDIN CONTROL LINE (SEE BISHOP GRANDIN EB FOR PLAN & PROFILE SHEET 93)

4 / 89 105 GROUTED STONE RIP RAP AT CATCH BASIN

KENASTON EASTBOUND CONTROL LINE

LANE EDGE

ATP 4 SEE SHEETS 95 - 99 FOR PLAN AND PROFILE

9 / 89 106 ASPHALT RUMBLE STRIP STA: 0+983 TO 2+358

9 / 89 106 ASPHALT RUMBLE STRIP STA: 0+983 TO 2+479.5

ATP 8 CONTROL LINE

OHSS S773

OHSS S775

4m x 13m EQUIPMENT SUPPORT SLAB

4m x 14m EQUIPMENT SUPPORT SLAB

RELOCATE STREET LIGHT (BY HYDRO)

BRIDGE PIER

INSTALL MIDWEST GUARDRAIL SYSTEM

INSTALL MIDWEST GUARDRAIL SYSTEM (SEE SHEET 126)

ATP 1 CONTROL LINE (SEE SHEETS 95 - 99 FOR PLAN & PROFILE)

ATP 5 CONTROL LINE

ATP 4 CONTROL LINE

ROW

H.P. GAS TO BE ABANDONED

PEMBINA TRAILS FOC

HYDRO FOC

750 WWS

375 LDS

900 LDS

SOUTH FOC

ASPHALT

CONCRETE

150 WM	WATERMAIN	150 WM	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
	HYDRANT			CONCRETE			HYDRANT	
	VALVE			ASPHALT			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		PLANING		300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS		SIDEWALK		250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
	MANHOLE			PAVING STONES			℄ PROFILE	
	CATCH BASIN			PROPERTY LINE			NORTH/WEST GUTTER	
	TEST HOLES			SURVEY BAR			SOUTH/EAST GUTTER	
	JUNCTIONS			CURB RAMP			NORTH/WEST T/LANE	
	CULVERT			DITCH			SOUTH/EAST T/LANE	
100 GAS	GAS	100 GAS		SWALE				
EXISTING	LEGEND—PLAN	PROPOSED	EXISTING	LEGEND—PLAN	PROPOSED	EXISTING	LEGEND—PROFILE	PROPOSED

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

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. 654008 N: 5515764.610 E: 633359.697 ELEV. 232.463 m
654210 N: 5514436.957 E: 630550.534 ELEV. ---

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	13/08/08	MRD

DESIGNED BY MRD
DRAWN BY PMW
CHECKED BY DBW
APPROVED BY DPK
HOR. SCALE 1:500
VERTICAL 1:20
DATE 2013/08/08

DESIGN TEAM

DILLON CONSULTING

RELEASED FOR CONSTRUCTION — DATE

APEGM Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2013/08/08

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M.R. DOUCET
Member 22306
REGISTERED PROFESSIONAL ENGINEER
13/08/08

CONSULTANT PROJECT NUMBER 12-6606

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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 210/72 FOR DETAILS.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
4. A MINIMUM VERTICAL SEPARATION OF 300 mm FROM GAS MAINS AND 100 mm FROM GAS SERVICE MUST BE MAINTAINED BETWEEN ANY MANITOBA HYDRO FACILITY AND ANY NEW INSTALLATIONS.
5. A MINIMUM 900 mm OF COVER SHALL BE MAINTAINED IN ALL AREAS WHERE EQUIPMENT WILL BE CROSSING, TRAVELING OR COMPACTING OVER THE HIGH PRESSURE GAS MAINS.
6. IF EQUIPMENT MUST CROSS, TRAVEL, OR COMPACT OVER THE GAS MAIN WITH LESS THAN THE MINIMUM DEPTH COVER, EARTH BRIDGING OR STEEL PLATES SHALL BE PLACED OVER THE MAIN AND EXTEND A MINIMUM OF 1.0 METRE ON EITHER SIDE AT EACH CROSSING LOCATION.

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY WEST ARTERIAL ROADS PROJECT (WWARP) PART 3 - CONTRACT 2
ROUTE 90 TO ROUTE 165 OVERPASS (KENASTON BLVD.) AND ASSOCIATED WORKS

PLAN AND PLOT - KENASTON EB
STA: 1+680 TO 2+010

CITY DRAWING NUMBER B242-13-89
SHEET 89 OF 128
CONSULTANT DRAWING NUMBER P-3349-89

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