

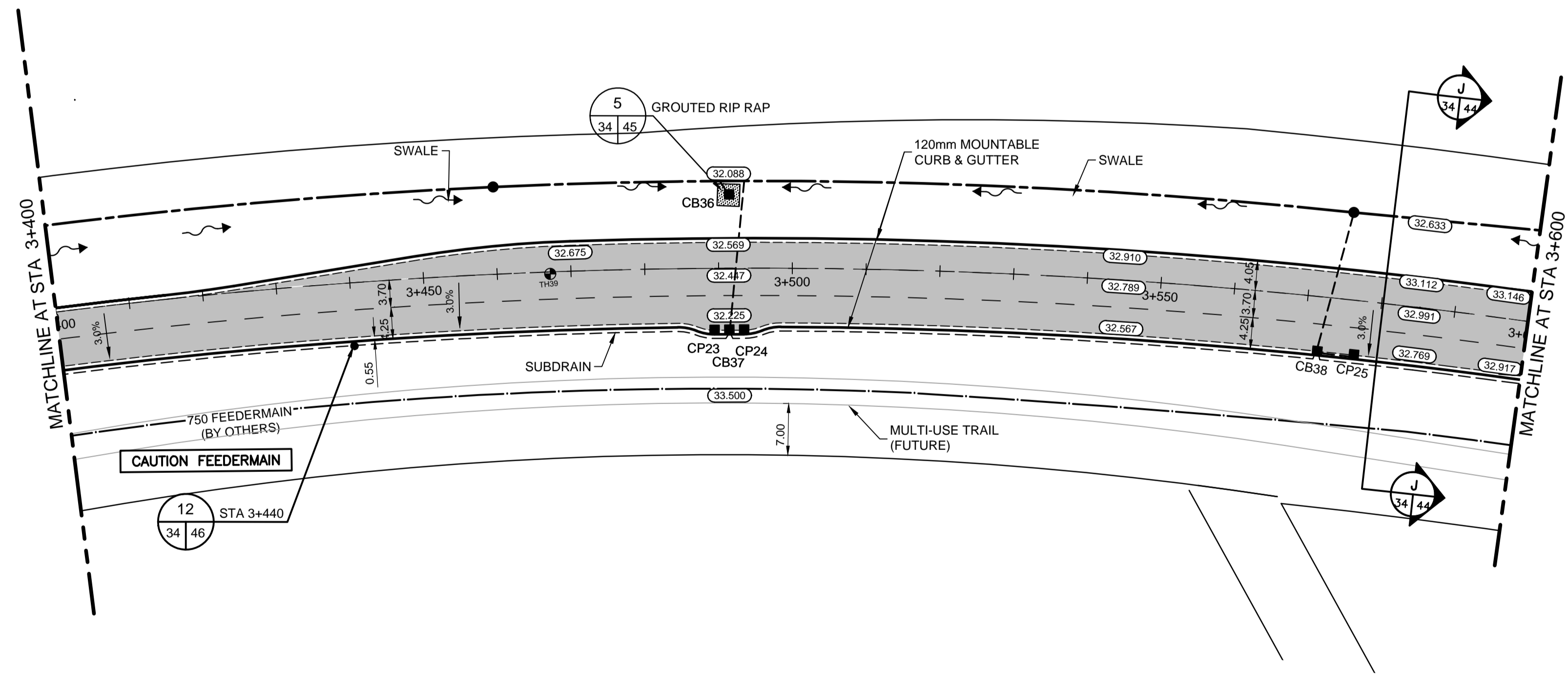
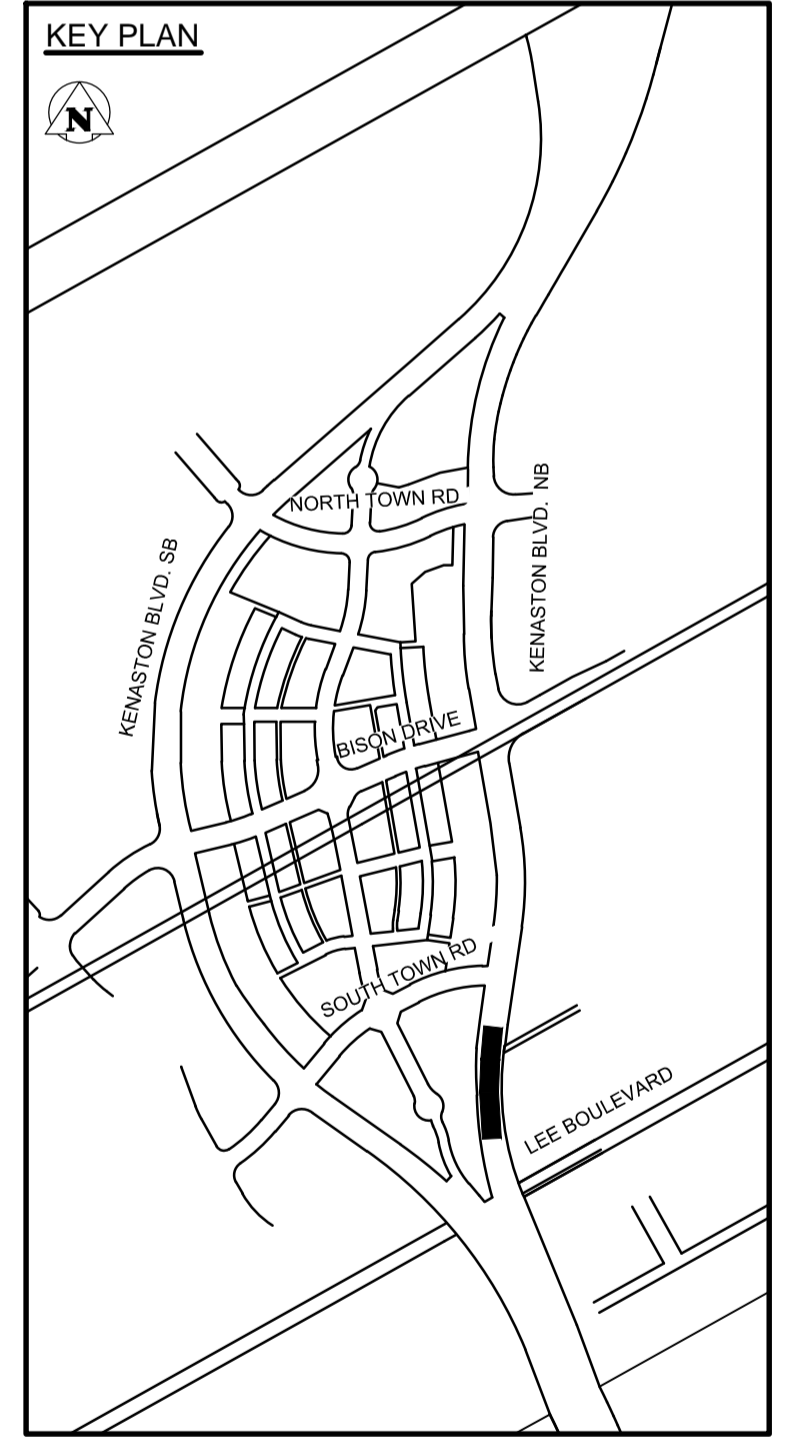
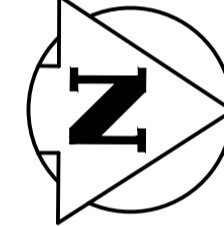
- CONSTRUCTION NOTES:**
- EACH CATCH BASIN (CB) AND CATCH PIT (CP) INSTALLED IN PAVEMENT TO HAVE AP-011 FRAME AND COVER.
 - EACH DITCH INLET CATCH BASIN TO HAVE A DITCH INLET GRATE AS PER DETAIL SHEET 52.
 - CONTRACTOR TO EXPOSE AND VERIFY INVERTS OF ALL JUNCTIONS OR CONNECTIONS TO MAINLINE LDS PRIOR TO INSTALLATION OF CATCH BASINS.
 - CLASS 3 BACKFILL TO BE USED WITHIN 1.0m OF PAVEMENT FOR ALL UNDERGROUND INSTALLATIONS.
 - EXISTING MANHOLES AND CATCH BASINS TO BE ADJUSTED TO DESIGN ELEVATION.
 - INSTALL 200mm CONCRETE TRANSITION SLABS C/W ASPHALT OVERLAY WHERE ASPHALT PAVEMENT MATCHES CONCRETE PAVEMENT.
 - ADD 200.00m TO ABBREVIATED ELEVATION TO OBTAIN GEODETIC ELEVATION.

CATCH BASIN, CATCH PIT, DITCH INLET & MANHOLES STRUCTURE AND LOCATION SCHEDULE

TYPE	STATION	O/S FROM CONTROL	RIM ELEV	BOT. ELEV	LEAD INV	MAIN INV	PIPE LEAD
CB 36	3+491.487	9.992 L	232.089	229.839	W 230.439	229.200	2.3m - 300mm/0.5m RISER GR=32.10%
CP 23	3+489.431	8.950 R	232.180	231.280	N 231.280	-	2.0m - 250mm
CB 37	3+491.431	8.950 R	232.170	229.920	W 230.520	229.200	21.00m - 300mm/GR=6.28%
CP 24	3+493.431	8.950 R	232.180	231.280	S 231.280	-	2.0m - 250mm
CB 38	3+571.967	7.950 R	232.686	230.436	W 231.036	229.500	20.00m - 300mm/GR=7.68%
CP 25	3+577.021	7.950 R	232.711	231.811	S 231.711	-	5.0m - 250mm

CP- SD-023, AP-011
DITCH CB - SD-025, DITCH INLET GRATE

ROAD CB - SD-024, AP-011
MH - SD-010, AP-004, AP-005



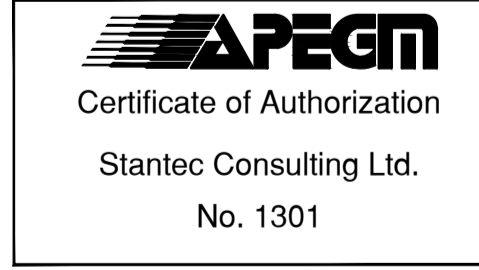
METRIC

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:
- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 - TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
 - OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

84R635 - Lake Crest Rd. & Waverley St. Tblt on top of 0.05m dia. x 2.4m iron pipe, 14.2m N. of S.L. of Lake Crest Rd. & 0.6m E. of E.L. of Waverley St.



150 WM	WATERMAIN	150 WM	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
+	HYDRANT VALVE	+	MTS	CONCRETE ASPHALT PLANING	MTS	+	HYDRANT VALVE	+
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	SIDEWALK	300 mm L.D.S.	300 LDS	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS	MTS	PAVING STONES	250 mm W.W.S.	250 WWS	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●	MTS	PROPERTY LINE	---	○	MANHOLE	●
□	CATCH BASIN	■	MTS	SURVEY BAR	---	□	CATCH BASIN	■
⊕	TEST HOLES	⊕	MTS	CURB RAMP	---	⊕	TEST HOLES	⊕
—	CULVERT	—	MTS	DITCH	---	—	CULVERT	—
100 GAS	GAS	100 GAS	MTS	SWALE	---	100 GAS	GAS	100 GAS
HYDRO	HYDRO	HYDRO	MTS			HYDRO	HYDRO	HYDRO
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.	ELEV.	DATE	BY
76-030	232.457m		
1	ISSUED FOR TENDER	3/04/08	V.M.M.
1	ISSUED FOR REVIEW	3/03/27	V.M.M.
0	ISSUED FOR 90% REVIEW	13/02/22	V.M.M.

DESIGNED BY	DESIGN TEAM
R.T.F., J.D.P.	
DRAWN BY	J.D.P.
CHECKED BY	S.B.C.
APPROVED BY	V.M.M.
HOR. SCALE	1:500
VERTICAL	1:20
RELEASED FOR CONSTRUCTION	
CONSULTANT PROJECT NUMBER	113705751

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

WWARP PART 3 - CONTRACT 1
STA 2+922.4 TO STA 5+935

KENASTON BOULEVARD EXTENSION - NB LANES PAVING & GRADING - KENASTON BLVD. NB
STA 3+400 TO STA 3+600

CITY DRAWING NUMBER
P-3345-34

SHEET
34 OF 64

CONSULTANT DRAWING NUMBER
C-223

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