

**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO EXISTING BOULEVARDS AND TREES WITHIN THE LIMITS OF CONSTRUCTION.
2. SEWER AND SEWER SERVICES TO BE INSTALLED BY TRENCHLESS METHODS UNLESS OTHERWISE SPECIFIED.
3. LOCATION OF EXISTING UTILITIES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
4. LIMITS OF SIDEWALK RENEWALS TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
5. BOULEVARD REPLACEMENT TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
6. CONTRACTOR TO PLUG ANY ABANDONED PIPES THAT ARE BROKEN DURING CONSTRUCTION.
7. TRENCHES & EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
8. BACKFILL IN BOULEVARD TO BE CLASS 5.
9. CB LEADS TO BE INSTALLED AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
10. CONTRACTOR TO CONFIRM THE NUMBER AND LOCATION OF SEWER SERVICES TO BE RECONNECTED.

SEWER SERVICE INFORMATION (S-MA60013355) *	
DISTANCE FROM 1ST MH S OF OAKENWALD AV (S-MH60011492)	
6.3 N	SERVICE CONNECTION E
16.3 N	SERVICE CONNECTION E
17.0 N	SERVICE CONNECTION W
28.0 N	SERVICE CONNECTION E
28.6 N	SERVICE CONNECTION W
32.3 N	SERVICE CONNECTION E
38.6 N	SERVICE CONNECTION E
39.8 N	SERVICE CONNECTION W

\* - INFORMATION FROM SEWER VIDEO INSPECTION

SEWER SERVICE INFORMATION (S-MA60013355) *	
DISTANCE FROM MH @ OAKENWALD AV (S-MH60011486)	
16.1 S	SERVICE CONNECTION E
18.1 S	SERVICE CONNECTION W
18.8 S	SERVICE CONNECTION E

\* - INFORMATION FROM SEWER VIDEO INSPECTION

**GENERAL NOTES**

1. CONTRACTOR TO VERIFY LIMITS OF SEWER REPAIRS PRIOR TO EXCAVATION BY MEANS OF VIDEO INSPECTION.
2. CONTRACTOR TO ASSIST WITH VISUAL INSPECTION OF EXISTING SERVICES TO DETERMINE IF SERVICE RENEWAL IS REQUIRED.

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

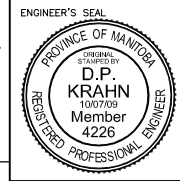
150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
⊕	⊕	⊕	M.T.S.	⊕	HYDRANT	⊕
⊗	⊗	⊗	CONCRETE	⊗	VALVE	⊗
300 mm L.D.S.	300 mm L.D.S.	300 mm L.D.S.	ASPHALT	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 mm W.W.S.	250 mm W.W.S.	250 mm W.W.S.	PROPERTY LINE	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	○	○	SURVEY BAR	○	MANHOLE	○
□	□	□	SERVICE VALVE	□	CATCH BASIN	□
▽	▽	▽	TREE	▽	CURB INLET	▽
+	+	+	LIGHT STANDARD	+	JUNCTIONS	+
—	—	—	FENCE	—	CULVERT	—
—	—	—	GUY ANCHOR	—	GAS	—
---	---	---	PROPOSED	---	EXISTING	---
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---	---	---	EXISTING	---	LEGEND-PROFILE	---
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---	---	---	LEGEND-PLAN	---	LEGEND-PROFILE	---
---	---	---	PROPOSED	---	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.	64-016 230.655
DESIGNED BY	C.L.P.
DRAWN BY	A.J.P.
CHECKED BY	S.C.C.
APPROVED BY	D.P.K.
HOR. SCALE	1:500
VERTICAL	
ISSUED FOR TENDER	10/07/2009 S.C.C.
NO. REVISIONS	DATE BY
	DATE
	AUG. 26, 2009



**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

2009 SEWER RENEWALS AND REPAIRS, CONTRACT 19  
WILDWOOD E PK (E.LEG)  
1ST MH S. OF OAKENWALD AV  
TO MH AT OAKENWALD AV

CITY DRAWING NUMBER  
**9105**  
SHEET **20** OF **25**

BID OPPORTUNITY  
**658-2009**

CONSULTANT PROJECT NO.  
**09-1893-2000**

