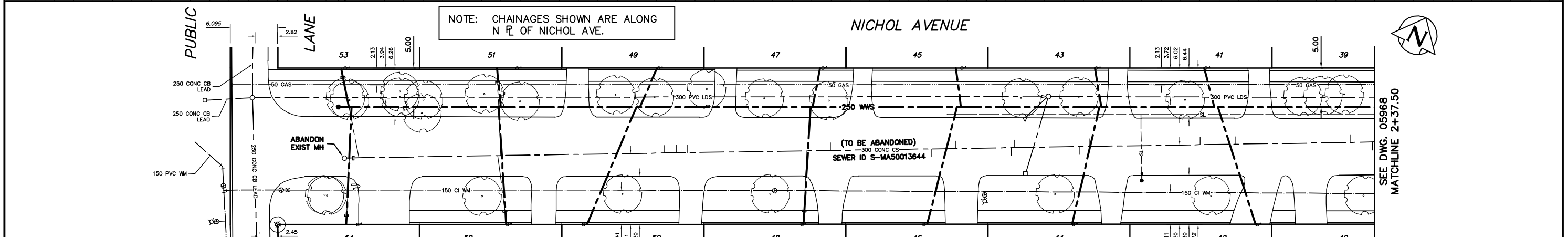


NOTE:
FOR SEWER ELEVATIONS IN PROFILE
(S) = INV FROM SURVEY
(R) = INV FROM RECORD DRAWING OR LBIS



WATER SERVICE INFORMATION

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
39 NICHOL AVE RESIDENTIAL	20 COPPER	20	0.91 E OF EHL		
40 NICHOL AVE RESIDENTIAL	20 COPPER	20	2.60 W OF EHL		
41 NICHOL AVE RESIDENTIAL	20 COPPER	20	3.05 W OF EHL		
42 NICHOL AVE RESIDENTIAL	20 COPPER	20	1.05 W OF EHL		
43 NICHOL AVE RESIDENTIAL	20 COPPER	20	0.76 E OF EHL		
44 NICHOL AVE RESIDENTIAL	20 COPPER	20	1.20 W OF EHL		
45 NICHOL AVE RESIDENTIAL	20 COPPER	20	1.37 W OF EHL		
46 NICHOL AVE RESIDENTIAL	20 COPPER	20	3.05 W OF EHL		
47 NICHOL AVE RESIDENTIAL	13 COPPER	13	2.00 W OF EHL		
48 NICHOL AVE RESIDENTIAL	13 COPPER	13	1.51 W OF EHL		
49 NICHOL AVE RESIDENTIAL	20 COPPER	20	2.83 W OF EHL		
50 NICHOL AVE RESIDENTIAL	13 COPPER	13	1.85 E OF WHL		
51 NICHOL AVE RESIDENTIAL	20 COPPER	20	4.80 W OF EHL		
52 NICHOL AVE RESIDENTIAL	20 COPPER	20	4.55 W OF EHL		
53 NICHOL AVE RESIDENTIAL	20 COPPER	20	3.66 E OF WHL		
54 NICHOL AVE RESIDENTIAL	20 COPPER	20	7.32 W OF EHL		

SEWER SERVICE RECORD INFORMATION

ADDRESS	SIZE	R DIST	JUNCTION TIE
39 NICHOL AVE RESIDENTIAL			
40 NICHOL AVE RESIDENTIAL			
41 NICHOL AVE RESIDENTIAL			
42 NICHOL AVE RESIDENTIAL			
43 NICHOL AVE RESIDENTIAL			
44 NICHOL AVE RESIDENTIAL			
45 NICHOL AVE RESIDENTIAL			
46 NICHOL AVE RESIDENTIAL			
47 NICHOL AVE RESIDENTIAL			
48 NICHOL AVE RESIDENTIAL			
49 NICHOL AVE RESIDENTIAL			
50 NICHOL AVE RESIDENTIAL			
51 NICHOL AVE RESIDENTIAL			
52 NICHOL AVE RESIDENTIAL			
53 NICHOL AVE RESIDENTIAL			
54 NICHOL AVE RESIDENTIAL			

SEWER SERVICE RECORD INFORMATION

ADDRESS	SIZE	R DIST	JUNCTION TIE
48 NICHOL AVE RESIDENTIAL		0.91 W OF EHL	
49 NICHOL AVE RESIDENTIAL			
50 NICHOL AVE RESIDENTIAL			
51 NICHOL AVE RESIDENTIAL		7.63 W OF EHL	
52 NICHOL AVE RESIDENTIAL			
53 NICHOL AVE RESIDENTIAL		4.73 W OF EHL	
54 NICHOL AVE RESIDENTIAL		3.05 E OF WHL	
55 NICHOL AVE RESIDENTIAL			
56 NICHOL AVE RESIDENTIAL		8.85 E OF WL	
57 NICHOL AVE RESIDENTIAL			

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION S-MA50013644

DISTANCE FROM MH S-MH50010932			
1.50 E	150	SOUTH	CN
2.50 E	150	NORTH	CN
20.50 E	150	SOUTH	CN
21.50 E	150	NORTH	CN
42.10 E	150	SOUTH	JN
43.70 E	150	NORTH	CN
45.10 E	150	NORTH	JN
60.50 E	150	SOUTH	JN
63.50 E	150	NORTH	JN
76.50 E	150	SOUTH	CN
79.60 E	150	NORTH	CN
86.80 E	150	SOUTH	CN
87.20 E	150	NORTH	CN
95.60 E	150	SOUTH	JN
96.80 E	150	NORTH	CN
111.10 E	150	NORTH	JN
115.70 E	150	NORTH	CN
130.50 E	150	NORTH	JN
133.30 E	200	SOUTH	JN
134.20 E	150	NORTH	CN

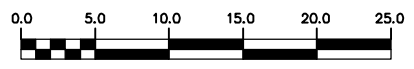
** SEWER VIDEO MEASUREMENT USED TO PUT JUNCTION IN PLAN

CONSTRUCTION NOTES:

- SEWER TO BE RENEWED BY TRENCHLESS METHODS.
- CONFIRM THE LOCATION OF ALL EXISTING SEWER SERVICES WITHIN LIMITS OF RENEWAL. EXACT LOCATIONS OF NEW SERVICES WILL BE DETERMINED BY CONDITIONS IN THE FIELD.
- BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 m OF PAVEMENT TO BE CLASS 3.
- BACKFILL IN BOULEVARD TO BE CLASS 5.
- SEWER SERVICES TO BE INSTALLED AT A MINIMUM 1.0% SLOPE.

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



<table border="1"> <tr><td>200 WM</td><td>WATERMAIN</td><td>200 WM</td><td>SL, HYDRO</td><td>150 WM</td><td>WATERMAIN</td><td>150 WM</td></tr> <tr><td>⊕</td><td>HYDRANT</td><td>⊕</td><td>MTS</td><td>⊕</td><td>HYDRANT</td><td>⊕</td></tr> <tr><td>⊙</td><td>VALVE</td><td>⊙</td><td>TRAFFIC SIGNALS</td><td>⊕</td><td>VALVE</td><td>⊕</td></tr> <tr><td>525 LDS</td><td>LAND DRAINAGE SEWER</td><td>525 LDS</td><td>GAS</td><td>50 GAS</td><td>300 LDS</td><td>LAND DRAINAGE SEWER</td></tr> <tr><td>375 WWS</td><td>WASTEWATER SEWER</td><td>375 WWS</td><td>SURVEY BAR</td><td>250 WWS</td><td>WASTEWATER SEWER</td><td>250 WWS</td></tr> <tr><td>○</td><td>MANHOLE</td><td>○</td><td>FENCE</td><td>⊕</td><td>PROFILE</td><td>⊕</td></tr> <tr><td>□</td><td>CATCH BASIN</td><td>□</td><td>POLE - HYDRO, MTS</td><td>⊕</td><td>GROUND ABOVE PIPE</td><td>⊕</td></tr> <tr><td>▽</td><td>CURB INLET</td><td>▽</td><td>CURB STOP</td><td>⊕</td><td>? DITCH (NORTH & WEST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>JUNCTIONS</td><td>⊕</td><td>GUY ANCHOR</td><td>⊕</td><td>? DITCH (SOUTH & EAST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>CULVERT</td><td>⊕</td><td>LIGHT STANDARD</td><td>⊕</td><td>GUTTER (NORTH & WEST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>ANODE</td><td>⊕</td><td>TREE</td><td>⊕</td><td>GUTTER (SOUTH & EAST)</td><td>⊕</td></tr> <tr><td>EXISTING</td><td>LEGEND-PLAN</td><td>PROPOSED</td><td>EXISTING</td><td>LEGEND-PLAN</td><td>PROPOSED</td><td>EXISTING</td></tr> <tr><td>EXISTING</td><td>LEGEND-PROFILE</td><td>PROPOSED</td><td>EXISTING</td><td>LEGEND-PROFILE</td><td>PROPOSED</td><td>EXISTING</td></tr> </table>	200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM	⊕	HYDRANT	⊕	MTS	⊕	HYDRANT	⊕	⊙	VALVE	⊙	TRAFFIC SIGNALS	⊕	VALVE	⊕	525 LDS	LAND DRAINAGE SEWER	525 LDS	GAS	50 GAS	300 LDS	LAND DRAINAGE SEWER	375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR	250 WWS	WASTEWATER SEWER	250 WWS	○	MANHOLE	○	FENCE	⊕	PROFILE	⊕	□	CATCH BASIN	□	POLE - HYDRO, MTS	⊕	GROUND ABOVE PIPE	⊕	▽	CURB INLET	▽	CURB STOP	⊕	? DITCH (NORTH & WEST)	⊕	⊕	JUNCTIONS	⊕	GUY ANCHOR	⊕	? DITCH (SOUTH & EAST)	⊕	⊕	CULVERT	⊕	LIGHT STANDARD	⊕	GUTTER (NORTH & WEST)	⊕	⊕	ANODE	⊕	TREE	⊕	GUTTER (SOUTH & EAST)	⊕	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE DATE</p> <p>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.</p>	<p>B.M. ELEV. FIELD BOOK #</p> <p>POSTED TO LBIS</p>	<p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY NC CHECKED BY TW</p> <p>DRAWN BY CJH APPROVED BY KZ</p> <p>HOR. SCALE 1:250 VERTICAL 1:50</p> <p>RELEASED FOR CONSTRUCTION</p> <p>NO. REVISIONS DATE BY DATE 2006 10 20</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY K.R. ZUREK 10/20/06</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2006 COMBINED SEWER RENEWALS AND SEWER REPAIRS NICHOL AVENUE 2ND MH W OF KILLARNEY STREET TO 1ST MH W OF KILLARNEY STREET</p>	<p>SHEET 3 OF 17</p> <p>CITY DRAWING NUMBER 05969</p> <p>BID OPPORTUNITY: 638-2006 FILENAME: 05968_L89.dwg PLOT DATE: 2006 10 23</p>
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