DRAWING INDEX

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2	D-15470	DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS
3	D-15471	HINDLEY AVENUE - 255 E OF HINDLEY AVENUE TO 350 E OF HINDLEY AVENUE
4	D-15472	HINDLEY AVENUE - 350 E OF HINDLEY AVENUE TO 440 E OF HINDLEY AVENUE
5	D-15473	HUDSON STREET - CHEVRIER BOULEVARD TO DUMAS AVENUE (BACKLANE)
6	D-15474	HUNTERSPOINT ROAD - HORSESHOE BAY TO 58 N OF CITATION CIRCLE
7	D-15475	CITATION CIRCLE - HORSESHOE BAY (E-P) TO 43 W OF HORSESHOE BAY (E-P)
8	D-15476	McPHILLIPS STREET — AT ALEXANDER AVENUE TO PACIFIC AVENUE, & ROSS AVENUE, ELGIN AVENUE
9	D-15477	OAKENWALD AVENUE- WILDWOOD STREET TO 9 E OF WILDWOOD F (E-LEG)
10	D-15478	OAKENWALD AVENUE - 9 E OF WILDWOOD F (E-LEG) TO 43 E OF WILDWOOD E (W-LEG)
11	D-15479	OAKENWALD AVENUE - 43 E OF WILDWOOD E (W-LEG) TO 2.9 E OF WILDWOOD D (W-LEG)
12	D-15480	OAKENWALD AVENUE — 2.9 E OF WILDWOOD D (W—LEG) TO NORTH DRIVE

LEGEND

DESCRIPTION

PLAN VIEW

EXISTING

PROPOSED

ABANDONED

		DESCINI HON	7.57.11.75.57.725	2	
<u>ABBREVIATIONS</u>		WATER PIPE	·	·	
ABBREVIATION	<u>5</u>	FIRE HYDRANT		\(\rightarrow \)	+
		VALVE	\otimes	\otimes	⊗
wws	WASTE WATER SEWER	CURB STOP	ď	oʻ	•
cs	COMBINED SEWER	REDUCER	\triangleleft	\triangleleft	◀
LDS	LAND DRAINAGE SEWER	COUPLING OR SLIDDER		X	X
ዊ	PROPERTY LINE	CROSS	毌	毌	#
Ę.	CENTER LINE	BEND - 11.25°, 22.5°, 45°, 90°	H H 4 4	H H 4 4	4 4 4
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM	TEE	西	凸	再
B.M.	BENCH MARK	VERTICAL BEND	Н	н	н
TH	TEST HOLE	ANODE		₽	₹>
ELEV	ELEVATION	REPAIR MARKER		₿	
INV	INVERT	PLUG	3	j.	נ
MIN	MINIMUM	SEWER PIPE			
MAX	MAXIMUM	MANHOLE	0	0	•
	STREET LIGHTING	CATCH BASIN			•
SL		CURB INLET	∇	∇	_ ▼
TS	TRAFFIC SIGNALS	OOND INCE		1	
ABAND	ABANDONED	JUNCTION			
BLDG	BUILDING	€ DITCH	·	· · · · · · · · · · · · · · · · · · ·	→ → →
HSE	HOUSE				
CRN	CORNER	CULVERT			
OPP	OPPOSITE	SURVEY BAR		⊕	•
C/S OR S/C	CURB STOP	SURVEY MONUMENT		(A)	
MTS	MANITOBA TELEPHONE SYSTEM	TREE - DECIDUOUS		$\left\{\begin{array}{c} \cdot \\ \cdot \end{array}\right\}$	
R.O.W.	RIGHT-OF-WAY			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
WM	WATERMAIN	TREE - CONIFEROUS			
CULV	CULVERT			ETA.	
мн	MANHOLE	HYDRO			
СВ	CATCH BASIN	HYDRO POLE		● H	
CI	CURB INLET	LAMP STANDARD		•-•	
VERT.	VERTICAL	HYDRO POLE W/STREET LIGHTING		Н●─	
HORZ.	HORIZONTAL	POLE		•	
I.B.	IRON BAR	GUY ANCHOR		\leftarrow	
FIBRE	FIBRE OPTIC	M.T.S. POLE		● M	
TYP	TYPICAL	PEDESTAL OR BOX		\boxtimes	
X-ING	CROSSING	CARINET			
HYD	HYDRANT	CABINET			
EXIST	EXISTING	M.T.S., SHAW, OR VIDEON			
N	NORTH	TRAFFIC SIGNALS		_ · _ · _ · _	_ · _ · _ · _
E	EAST	TRAFFIC LIGHT STANDARD		•→	
S	SOUTH	GAS		···	
W	WEST	STEAM			
 W/	WITH	FIBRE OPTIC			
, C/W	CONSTRUCTED WITH	FENCE		xx	xx
CONC	CONCRETE	EDGE OF PAVEMENT OR GUTTER			
AC	ASBESTOS CEMENT	EDGE UNPAVED OR GRAVEL ROAD			
VC OR CLAY	VITRIFIED CLAY	ዊ			
		PROJECTED PL			
CI	CAST IRON	LOT LINE			
DI	DUCTILE IRON	SIDEWALK — PATHWAY			
PVC	POLYVINYL CHLORIDE	EASEMENT			
HDPE	HIGH DENSITY POLYETHYLENE	LASEMENI		77777777777	
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE	EDGE OF BUILDING			
		MAILBOX		M	
		PARKING METER		P	
		TEST HOLE		◆	*

CONSTRUCTION NOTES

UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

- 1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
- 2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
- 3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
- 4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
- 5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
- 6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
- 7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO P.
- 8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

EXISTING DESCRIPTION ABANDONED PROPOSED WATER PIPE HYDRANT TOP VALVE TEE OR CROSS COUPLING OR BEND REDUCER END OF PIPE SEWER PIPE UNPAVED GROUND SURFACE PAVED GROUND SURFACE - & PIPE GUTTER (NORTH AND WEST) GUTTER (SOUTH AND EAST) € DITCH (NORTH AND WEST) € DITCH (SOUTH AND EAST) STRUCTURE MANHOLE OR CATCH BASIN

PROFILE

HATCH PATTERNS

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
р <u>а</u>		CONCRETE
° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL

GRAVEL OR STONE

LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE CHECKED BY DESIGNED ΚZ LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL SCALE: RELEASED FOR 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 CONSTRUCTION 1:250 HORIZONTAL K.ZUREK VERTICAL 1:50

DATE

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

2019 WATER MAIN RENEWALS CONTRACT 4

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SHEET **2** OF **11** CITY DRAWING NUMBER

D-15470

DATE 2019 04 05 2019 04 08 PLOT DATE: 2019 04 08

BID OPPORTUNITY: 202-2019 CONTRACT NUMBER: 4

ENGINEER'S SEAL

ORIGINAL

SIGNED BY

S.R.J.

COURNOYER

19/04/04

CONSULTANT DRAWING NUMBER

FILE PATH: R:\DRAWINGS\WATER\RENEWAL\2019 RENEWALS\Contract 4\Construction dwgs\FILE NAME: INDEX.dwg