| SHEET<br>NUMBER | CITY OF WINNIPEG<br>DRAWING NUMBER | DRAWING TITLE  |
|-----------------|------------------------------------|--|
| 1               | D-13569                            | DRAWING INDEX, DESIGN NOTES, LEGEND, & ABBREVIATIONS                           |
| 2               | D-13570                            | ALDINE STREET - 12M SSL OF LODGE AVENUE TO 90M NNL OF LODGE AVENUE             |
| 3               | D-13571                            | ALDINE STREET - 90M NNL OF LODGE AVENUE TO 85M SSL OF BRUCE AVENUE             |
| 4               | D-13572                            | ALDINE STREET - 85M SSL OF BRUCE AVENUE TO 5M NNL OF BRUCE AVENUE              |
| 5               | D-13573                            | BRUCE AVENUE - EL OF WINCHESTER STREET TO 30M EEL OF LINWOOD STREET            |
| 6               | D-13574                            | BRUCE AVENUE - 30M EEL OF LINWOOD STREET TO 15M EWL OF ALBANY STREET           |
| 7               | D-13575                            | HERITAGE BOULEVARD - SOUTH LEG OF FIELDSTONE BAY TO THE SL OF VALLEYVIEW DRIVE |
| 8               | D-13576                            | SANDYLANDS PLACE - NL OF VOYAGEUR AVENUE TO 45M NNL OF DEERHORN LANE           |
| 9               | D-13577                            | THOMPSON DRIVE - WL OF TUXEDO AVENUE TO 100M EEL OF TUXEDO AVENUE              |
| 10              | D-13578                            | VALOUR ROAD - ST. MATTHEWS AVENUE TO 100M NNL OF ST. MATTHEWS AVENUE           |
| 11              | D-13579                            | VALOUR ROAD - 100M NNL OF ST. MATTHEWS AVENUE TO 65M NNL OF DYSON AVENUE       |
| 12              | D-13580                            | VALOUR ROAD - 65M NNL OF DYSON AVENUE TO 5M NSL OF ELLICE AVENUE               |

**DRAWING INDEX** 

## WWS WASTE WATER SEWER CS COMBINED SEWER LDS LAND DRAINAGE SEWER PROPERTY LINE CENTER LINE G.I.S. GEOGRAPHIC INFORMATION SYSTEM B.M. BENCH MARK TEST HOLE ELEV **ELEVATION** INV INVERT MINIMUM MAX MAXIMUM STREET LIGHTING TS TRAFFIC SIGNALS ABAND ABANDONED BLDG BUILDING HSE HOUSE CRN CORNER OPP OPPOSITE C/S OR S/C CURB STOP MTS MANITOBA TELEPHONE SYSTEM R.O.W. RIGHT-OF-WAY WATERMAIN CULV CULVERT MANHOLE CB CATCH BASIN CURB INLET VERT. VERTICAL HORZ. HORIZONTAL I.B. IRON BAR **FIBRE** FIBRE OPTIC TYP TYPICAL CROSSING X-ING HYD HYDRANT **EXIST EXISTING** NORTH EAST SOUTH WEST WITH C/W CONSTRUCTED WITH CONC CONCRETE AC ASBESTOS CEMENT VC OR CLAY VITRIFIED CLAY CI CAST IRON DI DUCTILE IRON PVC POLYVINYL CHLORIDE HDPE HIGH DENSITY POLYETHYLENE PCCP PRESTRESSED CONCRETE CYLINDER PIPE

**ABBREVIATIONS** 

## **HATCH PATTERNS**

EXISTING PROPOSED DESCRIPTION EARTH OR GROUND ABOVE PIPE SAND OR OTHER FINE MATERIAL CONCRETE WASHED STONE OR GRANULAR MATERIAL INTERLOCKING STONE METAL GRAVEL OR STONE

## **CONSTRUCTION NOTES**

LOCATION APPROVED

UNDERGROUND STRUCTURES

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.

SUPV. U/G STRUCTURES

COMMITTÉE

NOTE:

- 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 & EXCAVATIONS BACKFILL SHALL BE CLASS 5 WITHIN BOULEVARD AND CLASS 3 WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS.
- 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. ALL GATE VALVES ARE COUNTER-CLOCKWISE TO OPEN W/ A BLACK OPERATING NUT UNLESS NOTED OTHERWISE

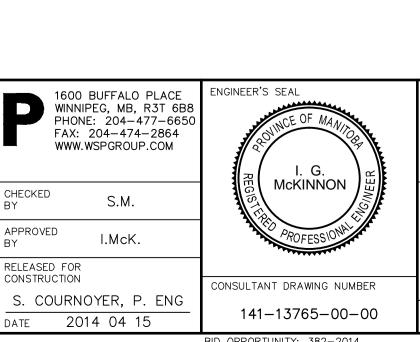
CONSTRUCTION COMPLETION DATE: YYYY MM DD

BID OPPORTUNITY 382-2014

DESIGN REVIEW W & W

REVISIONS

- 8. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO P.
- 9. WATER SERVICES ARE 19mm UNLESS OTHERWISE NOTED.
- 10. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.



FAX: 204-474-2864

S.M.

I.McK.

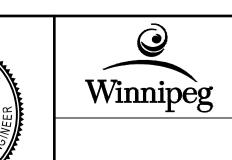
WWW.WSPGROUP.COM

CHECKED

APPROVED

RELEASED FOR CONSTRUCTION

DATE 2014 04 15



**LEGEND** 

DESCRIPTION

WATER PIPE

FIRE HYDRANT

VALVE

CURB STOP

REDUCER

COUPLING OR SLIDDER

CROSS

BEND - 11.25, 22.5, 45, 90

TEE

VERTICAL BEND

ANODE

REPAIR MARKER

PLUG

SEWER PIPE

MANHOLE

CATCH BASIN

CURB INLET

JUNCTION

€ DITCH

CULVERT

SURVEY BAR

SURVEY MONUMENT

TREE - DECIDUOUS

TREE - CONIFEROUS

HYDRO

HYDRO POLE

LAMP STANDARD

HYDRO POLE W/STREET LIGHTING

POLE

GUY ANCHOR

M.T.S. POLE

PEDESTAL OR BOX

CABINET

M.T.S., SHAW, OR VIDEON

TRAFFIC SIGNALS

TRAFFIC LIGHT STANDARD

GAS

STEAM

FIBRE OPTIC

**FENCE** 

EDGE OF PAVEMENT OR GUTTER

EDGE UNPAVED OR GRAVEL ROAD

PROJECTED P

LOT LINE SIDEWALK - PATHWAY EASEMENT

EDGE OF BUILDING

MAILBOX

TEST HOLE TREE LINE OR BUSH

DESCRIPTION

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

PLAN VIEW

**EXISTING** 

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**EXISTING** 

**PROFILE** 

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PROPOSED

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PROPOSED

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

SHEET 1 OF 1

2014 WATERMAIN RENEWALS

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CITY DRAWING NUMBER D-13569

2014 04 16 DATE PLOT DATE: 2014 04 16

R.H.

1: 250

1:50

DESIGNED

DRAWN

SCALE:

HORIZONTAL

VERTICAL

APRIL/14 P.R.

APRIL/14

DATE

BID OPPORTUNITY: 382-2014 FILE PATH: L:\Projects\2014\141-13765-00\03 DWGS\02 Working Dwgs\04 Civil\
CONTRACT NUMBER: CONTRACT 4 FILE NAME: Drawing Index Page.dwg