

1. LIMIT OF INVESTIGATION: SEE DRAWING.
2. EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
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5. UTILITY OWNERSHIP, MATERIAL, SIZES AND FLOW SHOWN ON DRAWING ARE BASED ON RECORDS INFORMATION RECEIVED, FIELD INVESTIGATION AND PROFESSIONAL JUDGEMENT.
6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBS).
8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA

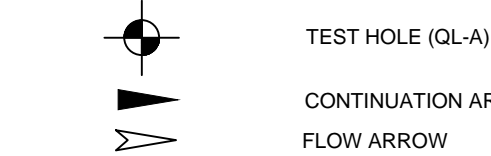
I QUALITY LEVEL "D" - INFORMATION DERIVED
N FROM EXISTING RECORDS OR VERBAL
RECOLLECTIONS.

C	QUALITY LEVEL "C" - INFORMATION OBTAINED
R	BY SURVEYING AND PLOTTING VISIBLE ABOVE
E	GROUND UTILITY FEATURES AND BY USING
A	PROFESSIONAL JUDGEMENT IN CORRELATING
S	THIS INFORMATION TO THE QUALITY LEVEL "D"
	INFORMATION.

L	QUALITY LEVEL "B" - INFORMATION OBTAINED
D	THROUGH THE APPLICATION OF APPROPRIATE
Q	SURFACE GEOPHYSICAL METHODS TO DETERMINE
U	THE EXISTENCE AND APPROXIMATE HORIZONTAL
	POSITION OF THE UTILITIES.





































A QUALITY LEVEL "A" - PRECISE HORIZONTAL
L AND VERTICAL LOCATION OF UTILITIES OBTAINED
I BY THE ACTUAL EXPOSURE AND SUBSEQUENT
F MEASUREMENT OF SUBSURFACE UTILITIES.

<u>GAS</u>	GAS
<u>G.S.</u>	GAS SERVICE
<u>WM</u>	WATERMAIN
<u>W.S.</u>	WATER SERVICE
<u>WWS</u>	WASTE WATER SEWER
<u>WWS LAT.</u>	WASTE WATER SEWER LATERAL
<u>LDS</u>	LAND DRAINAGE SEWER
<u>LDS LAT.</u>	LAND DRAINAGE SEWER LATERAL
<u>BE</u>	BURIED ELECTRIC
<u>BE-SL</u>	BURIED ELECTRIC STREET LIGHT
<u>GRD</u>	GROUND WIRE
<u>UNK</u>	UNKNOWN
<u>FOC</u>	FIBRE OPTIC CABLE
<u>TV</u>	CABLE TV
<u>BT</u>	BURIED TELECOMMUNICATIONS
<u>OW</u>	OVERHEAD WIRE
<u>Q1</u>	QUALITY LEVEL "B"
<u>Q2</u>	QUALITY LEVEL "C"
<u>Q3</u>	QUALITY LEVEL "D"



NOT SURVEYED, LOCATION
BASED ON FIELD OBSERVATION
NOT SURVEYED, LOCATION
BASED ON RECORD INFORMATION

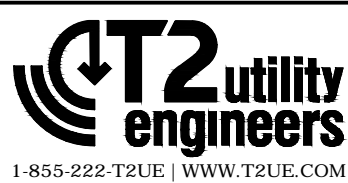
BID OPPORTUNITY NO. 607-2013

	WATERMAIN			CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
	LAND DRAINAGE SEWER			ANODE		RS	RAW SEWAGE	
	WASTE WATER SEWER			LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBV				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

SUPR. U/G STRUCTURES COMMITTEE	DATE
-----------------------------------	------

NOTE:
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5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY



Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768

T2UE DRAWING NO.
61000377







































THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

COMPOSITE SITE PLAN

SHEET



1-0101A-G0001-001




	WATERMAIN			CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
	LAND DRAINAGE SEWER			ANODE		RS	RAW SEWAGE	
	WASTE WATER SEWER			LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

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






















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4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY

 	
1-855-222-T2UE WWW.T2UE.COM	
DESIGNED BY	CHECKED BY RG, JB
DRAWN BY AJW	APPROVED BY LEA
HOR. SCALE VERT. SCALE	RELEASED FOR CONSTRUCTION
DATE 28-OCT-14	DATE

CONSULTANT DRAWING NO.
 222-1-722

 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	SHEET
	WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE AREA SITE PLAN - SHEET 1 OF 20
CITY DRAWING NUMBER 1-0101A-G0002-001	




SURFACING		WATERMAIN			CURB STOP		INF	INFLUENT	
		HYDRANT			REDUCER		EFF	EFFLUENT	
		VALVE			COUPLING		PS	PRIMARY SLUDGE	
		LAND DRAINAGE SEWER			ANODE		RS	RAW SEWAGE	
		WASTE WATER SEWER			LAMP STANDARD				
		MANHOLE			TREE				
		CATCH BASIN			HYDRO POLE				
		CURB INLET			BENCH MARK				
		CULVERT			INVERT				
		PIPE ABANDONMENTS			OBVERT				
		SURVEY BAR							
	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

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4	FINAL REVIEW	14/08/25	AJW	
3	REVISED TENDER	14/06/13	AJW	
2	ISSUED FOR TENDER	14/04/03	AJW	
1	PRELIMINARY REVIEW	14/03/04	AJW	
NO.	REVISIONS	YYMM/DD	BY	

T2UE DRAWING NO.
61000277

 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	SHEET
	WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE AREA SITE PLAN - SHEET 2 OF 20



1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20

KEYMAP - N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES
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U/G UTILITY LEGEND

	GAS
	GAS SERVICE
	WATERMAIN
	WATER SERVICE
	WASTE WATER SEWER
	WASTE WATER SEWER LATERAL
	LAND DRAINAGE SEWER
	LAND DRAINAGE SEWER LATERAL
	BURIED ELECTRIC
	BURIED ELECTRIC STREET LIGHT
	GROUND WIRE
	UNKNOWN
	FIBRE OPTIC CABLE
	CABLE TV
	BURIED TELECOMMUNICATIONS
	OVERHEAD WIRE
	QUALITY LEVEL "B"
	QUALITY LEVEL "C"
	QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

#

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE

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T2ue utility engineers
1-855-222-T2UE | WWW.T2UE.COM

AECOM

DESIGNED BY
DRAWN BY
HOR. SCALE
VERT. SCALE
DATE

28-OCT-14

CHECKED BY
APPROVED BY
RELEASED FOR CONSTRUCTION
DATE

RG, JB
LEA

PROFESSIONAL'S SEAL
Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE
AREA SITE PLAN - SHEET 3 OF 20

SHEET
CITY DRAWING NUMBER

1-0101A-G0002-003

D SIZE 22" x 34" (559mm x 864mm)

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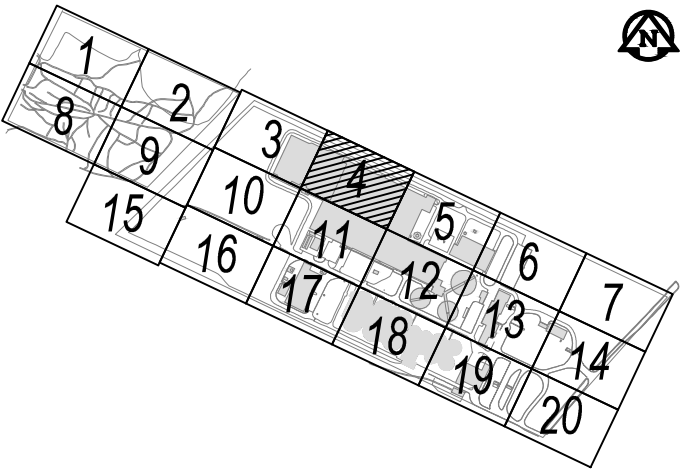
T2ue REVIEW DRAFT CHK

MATCHLINE - SEE DRAWING 09 OF 20



MATCHLINE - SEE DRAWING 11 OF 20

MATCHLINE - SEE DRAWING 03 OF 20



WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

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UTG UTILITY LEGEND

— GAS	GAS
— G.S.	GAS SERVICE
— WM	WATERMAIN
— W.S.	WATER SERVICE
— WWS	WASTE WATER SEWER
— WWS LAT.	WASTE WATER SEWER LATERAL
— LDS	LAND DRAINAGE SEWER
— LDS LAT.	LAND DRAINAGE SEWER LATERAL
— BE	BURIED ELECTRIC
— BE-SL	BURIED ELECTRIC STREET LIGHT
— GRD	GROUND WIRE
— UNK	UNKNOWN
— FOC	FIBRE OPTIC CABLE
— TV	CABLE TV
— BT	BURIED TELECOMMUNICATIONS
— o/w	OVERHEAD WIRE
—	QUALITY LEVEL "B"
—	QUALITY LEVEL "C"
—	QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

#

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
HYDRANT		HYDRANT		REDUCER		EFF	EFFLUENT	
VALVE		VALVE		COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
MANHOLE		MANHOLE		TREE				
CATCH BASIN		CATCH BASIN		HYDRO POLE				
CURB INLET		CURB INLET		BENCH MARK				
CULVERT		CULVERT		INVERT				
PIPE ABANDONMENTS		PIPE ABANDONMENTS		OBVERT				
SURVEY BAR		SURVEY BAR						
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE

DATE

NOTE:

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5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY

1-855-222-T2UE | WWW.T2UE.COM

DESIGNED BY

CHECKED BY RG, JB

DRAWN BY AJW

APPROVED BY LEA

HOR. SCALE 1:250

RELEASED FOR CONSTRUCTION

VERT. SCALE

DATE 28-OCT-14

PROFESSIONAL'S SEAL

Original Stamped by:

L.E. ARCAD

Jan. 19, 2015

CONSULTANT DRAWING NO. 60311768

T2UE DRAWING NO. 61000277

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 4 OF 20

SHEET

CITY DRAWING NUMBER

1-0101A-G0002-004

D SIZE 22" x 34" (559mm x 864mm)

PLOT: 3/31/2015 10:47:49 AM

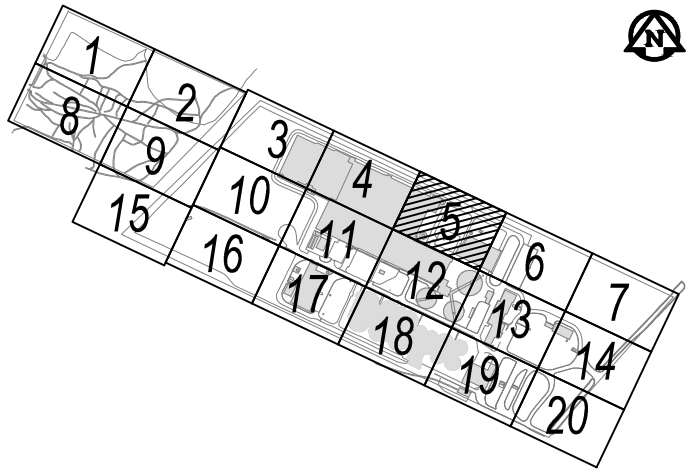
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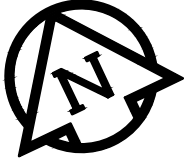
MATCHLINE - SEE DRAWING 06 OF 20



MATCHLINE - SEE DRAWING 12 OF 20



KEYMAP - N.T.S.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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UIG UTILITY LEGEND

- | | |
|------------|--------------------------------|
| — GAS | — GAS |
| — G.S. | — GAS SERVICE |
| — WM | — WATERMAIN |
| — W.S. | — WATER SERVICE |
| — WWS | — WASTE WATER SEWER |
| — WWS LAT. | — WASTE WATER SEWER LATERAL |
| — LDS | — LAND DRAINAGE SEWER |
| — LDS LAT. | — LAND DRAINAGE SEWER LATERAL |
| — BE | — BURIED ELECTRIC |
| — BE-SL | — BURIED ELECTRIC STREET LIGHT |
| — GRD | — GROUND WIRE |
| — UNK | — UNKNOWN |
| — FOC | — FIBRE OPTIC CABLE |
| — TV | — CABLE TV |
| — BT | — BURIED TELECOMMUNICATIONS |
| — O/W | — OVERHEAD WIRE |
| — | — QUALITY LEVEL "B" |
| — | — QUALITY LEVEL "C" |
| — | — QUALITY LEVEL "D" |
- TEST HOLE (QL-A)
- CONTINUATION ARROW
- FLOW ARROW
- END CAP
- NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
- NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

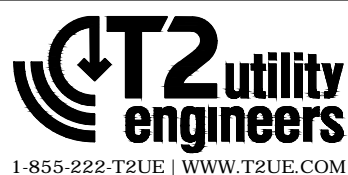
150 WM	WATERMAIN	150 WM	150 WM	CURB STOP	INF	INFLUENT
150 WM	HYDRANT	150 WM	150 WM	REDUCER	EFF	EFFLUENT
300 LDS	VALVE	300 LDS	300 LDS	COUPLING	PS	PRIMARY SLUDGE
250 WWS	WASTE WATER SEWER	250 WWS	250 WWS	ANODE	RS	RAW SEWAGE
MANHOLE		MANHOLE	MANHOLE	LAMP STANDARD		
CATCH BASIN		CATCH BASIN	CATCH BASIN	TREE		
CURB INLET		CURB INLET	CURB INLET	HYDRO POLE		
CULVERT		CULVERT	CULVERT	BENCH MARK		
PIPE ABANDONMENTS		PIPE ABANDONMENTS	PIPE ABANDONMENTS	INVERT		
SURVEY BAR		SURVEY BAR	SURVEY BAR	OBVERT		
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. UIG STRUCTURES DATE COMMITTEE

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.

NO.	REVISIONS	YY/MM/DD	BY
5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW



DESIGNED BY	CHECKED BY
DRAWN BY	APPROVED BY
HOR. SCALE	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE	DATE

RG, JB
LEA
1:250
28-OCT-14

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAUD
Jan. 19, 2015

CONSULTANT DRAWING NO. 60311768
T2UE DRAWING NO. 61000277



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

**WINNIPEG NORTH END WATER POLLUTION
CONTROL CENTRE**

AREA SITE PLAN - SHEET 5 OF 20

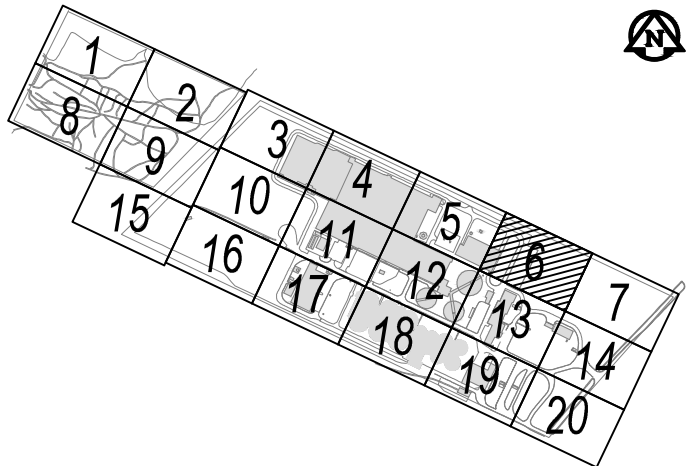
SHEET
CITY DRAWING NUMBER

1-0101A-G0002-005

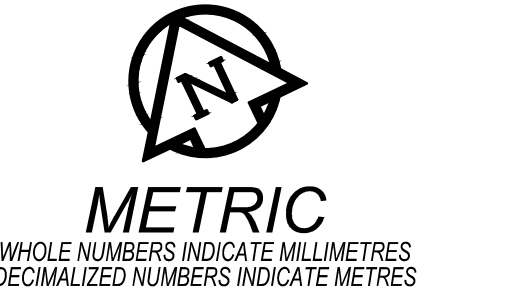
MATCHLINE - SEE DRAWING 05 OF 20

MATCHLINE - SEE DRAWING 13 OF 20

MATCHLINE - SEE DRAWING 07 OF 20



KEYMAP - N.T.S.



GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.
2. EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
3. T2UE USED AVAILABLE MEANS IN AN ATTEMPT TO DETERMINE THE LOCATION OF UNDOCUMENTED UTILITIES HOWEVER CANNOT BE RESPONSIBLE FOR FINDING ALL UNDOCUMENTED UTILITIES.
4. THE BASEPLAN WAS PROVIDED BY THE CLIENT, THEREFORE T2UE IS NOT RESPONSIBLE FOR ITS ACCURACY.
5. UTILITY OWNERSHIP, MATERIAL, SIZES AND FLOW SHOWN ON DRAWING ARE BASED ON RECORDS INFORMATION RECEIVED, FIELD INVESTIGATION AND PROFESSIONAL JUDGEMENT.
6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).
8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA

- I QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
- C QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.
- E QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.
- A QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

- | | |
|------------|--------------------------------|
| — GAS | — GAS |
| — G.S. | — GAS SERVICE |
| — WM | — WATERMAIN |
| — W.S. | — WATER SERVICE |
| — WWS | — WASTE WATER SEWER |
| — WWS LAT. | — WASTE WATER SEWER LATERAL |
| — LDS | — LAND DRAINAGE SEWER |
| — LDS LAT. | — LAND DRAINAGE SEWER LATERAL |
| — BE | — BURIED ELECTRIC |
| — BE-SL | — BURIED ELECTRIC STREET LIGHT |
| — GRD | — GROUND WIRE |
| — UNK | — UNKNOWN |
| — FOC | — FIBRE OPTIC CABLE |
| — TV | — CABLE TV |
| — BT | — BURIED TELECOMMUNICATIONS |
| — O/W | — OVERHEAD WIRE |
| — | — QUALITY LEVEL "B" |
| — | — QUALITY LEVEL "C" |
| — | — QUALITY LEVEL "D" |
- TEST HOLE (QL-A)
- CONTINUATION ARROW
- FLOW ARROW
- END CAP
- NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
- NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

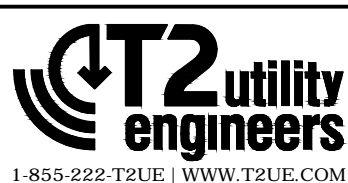
BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM	150 WM	CURB STOP	INF	INFLUENT
—	HYDRANT	—	—	REDUCER	EFF	EFFLUENT
—	VALVE	—	—	COUPLING	PS	PRIMARY SLUDGE
300 LDS	LAND DRAINAGE SEWER	300 LDS	—	ANODE	RS	RAW SEWAGE
250 WWS	WASTE WATER SEWER	250 WWS	—	LAMP STANDARD		
—	MANHOLE	—	—	TREE		
—	CATCH BASIN	—	—	HYDRO POLE		
—	CURB INLET	—	—	BENCH MARK		
—	CULVERT	—	—	INVERT		
—	PIPE ABANDONMENTS	—	—	OBVERT		
—	SURVEY BAR	—	—			
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES DATE COMMITTEE

NOTE:
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DESIGNED BY	
DRAWN BY	AJW
HOR. SCALE	1:250
VERT. SCALE	
DATE	28-OCT-14

CHECKED BY	RG, JB
APPROVED BY	LEA
RELEASED FOR CONSTRUCTION	
DATE	

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768

T2UE DRAWING NO.
61000277



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION
CONTROL CENTRE

AREA SITE PLAN - SHEET 6 OF 20

SHEET

CITY DRAWING NUMBER

1-0101A-G0002-006



MATCHLINE - SEE DRAWING 14 OF 20

150 WM	WATERMAIN	150 WM	150 WM	CURB STOP	INF	INFLUENT
HYDRANT	HYDRANT	HYDRANT	HYDRANT	REDUCER	EFF	EFFLUENT
VALVE	VALVE	VALVE	VALVE	COUPLING	PS	PRIMARY SLUDGE
300 LDS	LAND DRAINAGE SEWER	300 LDS	300 LDS	ANODE	RS	RAW SEWAGE
250 WWS	WASTE WATER SEWER	250 WWS	250 WWS	LAMP STANDARD		
MANHOLE	MANHOLE	MANHOLE	MANHOLE	TREE		
CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	HYDRO POLE		
CURB INLET	CURB INLET	CURB INLET	CURB INLET	BENCH MARK		
CULVERT	CULVERT	CULVERT	CULVERT	INVERT		
PIPE ABANDONMENTS	PIPE ABANDONMENTS	PIPE ABANDONMENTS	PIPE ABANDONMENTS	OBVERT		
SURVEY BAR	SURVEY BAR	SURVEY BAR	SURVEY BAR			
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING
LEGEND - PLAN	LEGEND - PLAN	LEGEND - PLAN	LEGEND - PLAN	LEGEND - PLAN	LEGEND - PLAN	LEGEND - PLAN

LOCATION APPROVED	DATE
UNDERGROUND STRUCTURES	
SUPR. U/G STRUCTURES	
COMMITTEE	
NOTE:	
LOCATION OF UNDERGROUND STRUCTURES	
AS SHOWN ARE BASED ON THE BEST	
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EXISTENCE AND EXACT LOCATION OF ALL	
SERVICES MUST BE OBTAINED FROM THE	
INDIVIDUAL UTILITIES BEFORE PROCEEDING	
WITH CONSTRUCTION.	

5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY

DESIGNED BY	CHECKED BY	RG, JB
DRAWN BY	APPROVED BY	LEA
HOR. SCALE	1:250	
VERT. SCALE		
DATE	28-OCT-14	

PROFESSIONAL'S SEAL
Original Stamped by:
L.E. ARCAD
Jan. 19, 2015
CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE
AREA SITE PLAN - SHEET 7 OF 20

SHEET

CITY DRAWING NUMBER

1-0101A-G0002-007

1 2 3 4 5 6
8 9 10 11 12 13
15 16 17 18 19 20

KEYMAP - N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

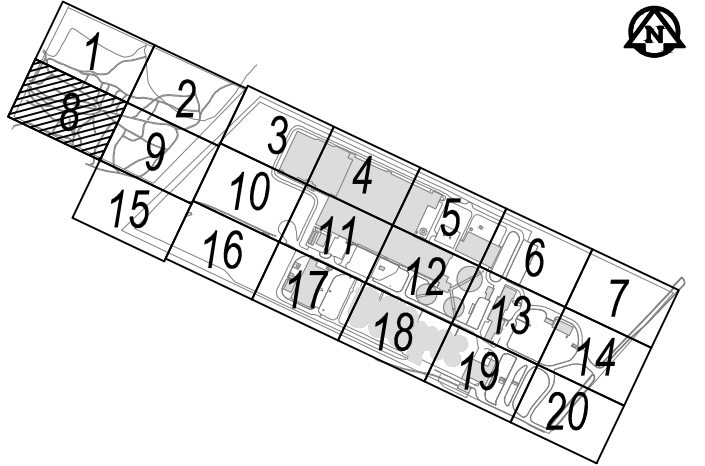
GENERAL NOTES
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6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBS).
8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

ASCE QUALITY LEVELS
THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA
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U/G UTILITY LEGEND
GAS
G.S.
WM
W.S.
WWS
WWS LAT.
LDS
LDS LAT.
BE
BE-SL
GRD
UNK
FOC
TV
BT
OW
QUALITY LEVEL "B"
QUALITY LEVEL "C"
QUALITY LEVEL "D"
TEST HOLE (QL-A)
CONTINUATION ARROW
FLOW ARROW
END CAP
NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION
#

BID OPPORTUNITY NO. 607-2013

MATCHLINE - SEE DRAWING 01 OF 20



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

- LIMIT OF INVESTIGATION: SEE DRAWING.
- EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
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I	QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
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A	QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

— GAS —	GAS
— G.S. —	GAS SERVICE
— WM —	WATERMAIN
— W.S. —	WATER SERVICE
— WWS —	WASTE WATER SEWER
— WWS LAT. —	WASTE WATER SEWER LATERAL
— LDS —	LAND DRAINAGE SEWER
— LDS LAT. —	LAND DRAINAGE SEWER LATERAL
— BE —	BURIED ELECTRIC
— BE-SL —	BURIED ELECTRIC STREET LIGHT
— GRD —	GROUND WIRE
— UNK —	UNKNOWN
— FOC —	FIBRE OPTIC CABLE
— TV —	CABLE TV
— BT —	BURIED TELECOMMUNICATIONS
— O/W —	OVERHEAD WIRE
— —	QUALITY LEVEL "B"
— — — —	QUALITY LEVEL "C"
— — — — —	QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

#

MATCHLINE - SEE DRAWING 09 OF 20

150 WM	WATERMAIN	150 WM	Ø	CURB STOP	Ø	INF	INFLUENT	
Ø	HYDRANT	Ø	Ø	REDUCER	Ø	EFF	EFFLUENT	
300 LDS	VALVE	300 LDS	Ø	COUPLING	Ø	PS	PRIMARY SLUDGE	
250 WWS	LAND DRAINAGE SEWER	250 WWS	Ø	ANODE	Ø	RS	RAW SEWAGE	
Ø	WASTE WATER SEWER	Ø	Ø	LAMP STANDARD	Ø			
Ø	MANHOLE	Ø	Ø	TREE	Ø			
Ø	CATCH BASIN	Ø	Ø	HYDRO POLE	Ø			
Ø	CURB INLET	Ø	Ø	BENCH MARK	Ø			
Ø	CULVERT	Ø	Ø	INVERT	Ø			
Ø	PIPE ABANDONMENTS	Ø	Ø	OBVERT	Ø			
Ø	SURVEY BAR	Ø	Ø		Ø			
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. UIG STRUCTURES COMMITTEE DATE

NOTE:

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4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY

1-855-222-T2UE | WWW.T2UE.COM

DESIGNED BY	CHECKED BY	RG, JB
DRAWN BY	APPROVED BY	LEA
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE		
DATE	28-OCT-14	DATE

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768

T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 8 OF 20

SHEET

CITY DRAWING NUMBER

1-0101A-G0002-008



1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20

KEYMAP - N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES
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N
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A QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.
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T
Y

UIG UTILITY LEGEND
GAS GAS
G.S. GAS SERVICE
WM WATERMAIN
W.S. WATER SERVICE
WWS WASTE WATER SEWER
WWS LAT. WASTE WATER SEWER LATERAL
LDS LAND DRAINAGE SEWER
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BE BURIED ELECTRIC
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GRD GROUND WIRE
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FOC FIBRE OPTIC CABLE
TV CABLE TV
BT BURIED TELECOMMUNICATIONS
OW OVERHEAD WIRE
--- QUALITY LEVEL "B"
--- QUALITY LEVEL "C"
--- QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP
• NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM	INF	INFLUENT	INF	INFLUENT	LEGEND - PLAN	NEW
	HYDRANT		EFF	EFFLUENT	EFF	EFFLUENT		
	VALVE		PS	PRIMARY SLUDGE	PS	PRIMARY SLUDGE		
	LAND DRAINAGE SEWER		RS	RAW SEWAGE	RS	RAW SEWAGE		
	WASTE WATER SEWER							
	MANHOLE							
	CATCH BASIN							
	CURB INLET							
	CULVERT							
	PIPE ABANDONMENTS							
	SURVEY BAR							
	LEGEND - PLAN			LEGEND - PLAN		LEGEND - PLAN		

LOCATION APPROVED		DATE	
UNDERGROUND STRUCTURES			
SUPR. UIG STRUCTURES COMMITTEE			
NOTE:			
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4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY

DESIGNED BY	CHECKED BY RG, JB
DRAWN BY AJW	APPROVED BY LEA
HOR. SCALE 1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE 28-OCT-14	DATE

PROFESSIONAL'S SEAL	Original Stamped by: L.E. ARCAND Jan. 19, 2015
CONSULTANT DRAWING NO. 60311768	T2UE DRAWING NO. 61000277

	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT
WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE	
AREA SITE PLAN - SHEET 9 OF 20	

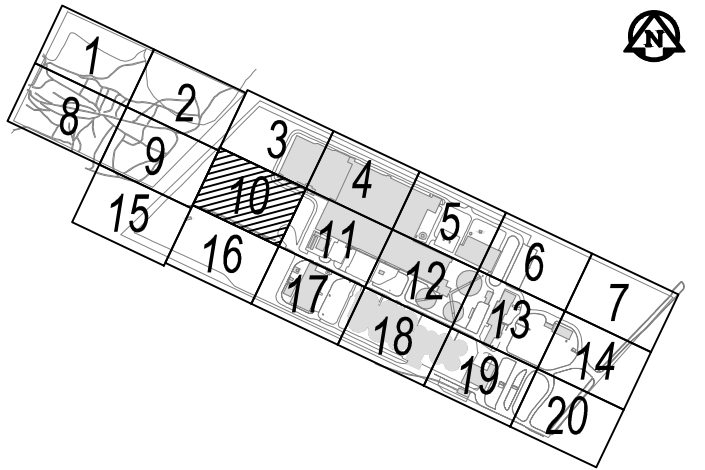
SHEET	CITY DRAWING NUMBER
	1-0101A-G0002-009

MATCHLINE - SEE DRAWING 09 OF 20



MATCHLINE - SEE DRAWING 16 OF 20

MATCHLINE - SEE DRAWING 11 OF 20



KEYMAP - N.T.S.



GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.

2. EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.

3. T2UE USED AVAILABLE MEANS IN AN ATTEMPT TO DETERMINE THE LOCATION OF UNDOCUMENTED UTILITIES HOWEVER CANNOT BE RESPONSIBLE FOR FINDING ALL UNDOCUMENTED UTILITIES.

4. THE BASEPLAN WAS PROVIDED BY THE CLIENT. THEREFORE T2UE IS NOT RESPONSIBLE FOR ITS ACCURACY.

5. UTILITY OWNERSHIP, MATERIAL, SIZES AND FLOW SHOWN ON DRAWING ARE BASED ON RECORDS INFORMATION RECEIVED. FIELD INVESTIGATION AND PROFESSIONAL JUDGEMENT.

6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.

7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).

8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA

I

QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.

C

QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.

E

QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.

A

QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

GAS

G.S.

WM

W.S.

WWS

WWS LAT.

LDS

LDS LAT.

BE

BE-SL

GRD

UNK

FOC

TV

BT

o/n

GAS

GAS SERVICE

WATERMAIN

WATER SERVICE

WASTE WATER SEWER

WASTE WATER SEWER LATERAL

LAND DRAINAGE SEWER

LAND DRAINAGE SEWER LATERAL

BURIED ELECTRIC

BURIED ELECTRIC STREET LIGHT

GROUND WIRE

UNKNOWN

FIBRE OPTIC CABLE

CABLE TV

BURIED TELECOMMUNICATIONS

OVERHEAD WIRE

QUALITY LEVEL "B"

QUALITY LEVEL "C"

QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

910-BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
HYDRANT		HYDRANT		REDUCER		EFF	EFFLUENT	
VALVE		VALVE		COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
MANHOLE		MANHOLE		TREE				
CATCH BASIN		CATCH BASIN		HYDRO POLE				
CURB INLET		CURB INLET		BENCH MARK				
CULVERT		CULVERT		INVERT				
PIPE ABANDONMENTS		PIPE ABANDONMENTS		OBVERT				
SURVEY BAR		SURVEY BAR						
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. UIG 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.

T2utility engineers

1-855-222-T2UE | WWW.T2UE.COM

DESIGNED BY

15/01/19

AJW

DRAWN BY

AJW

HOR. SCALE

1:250

VERT. SCALE

DATE

28-OCT-14

CHECKED BY

RG, JB

APPROVED BY

LEA

RELEASED FOR CONSTRUCTION

DATE

PROFESSIONAL'S SEAL

Original Stamped by:

L.E. ARCAD

Jan. 19, 2015

CONSULTANT DRAWING NO.

60311768

T2UE DRAWING NO.

61000277

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

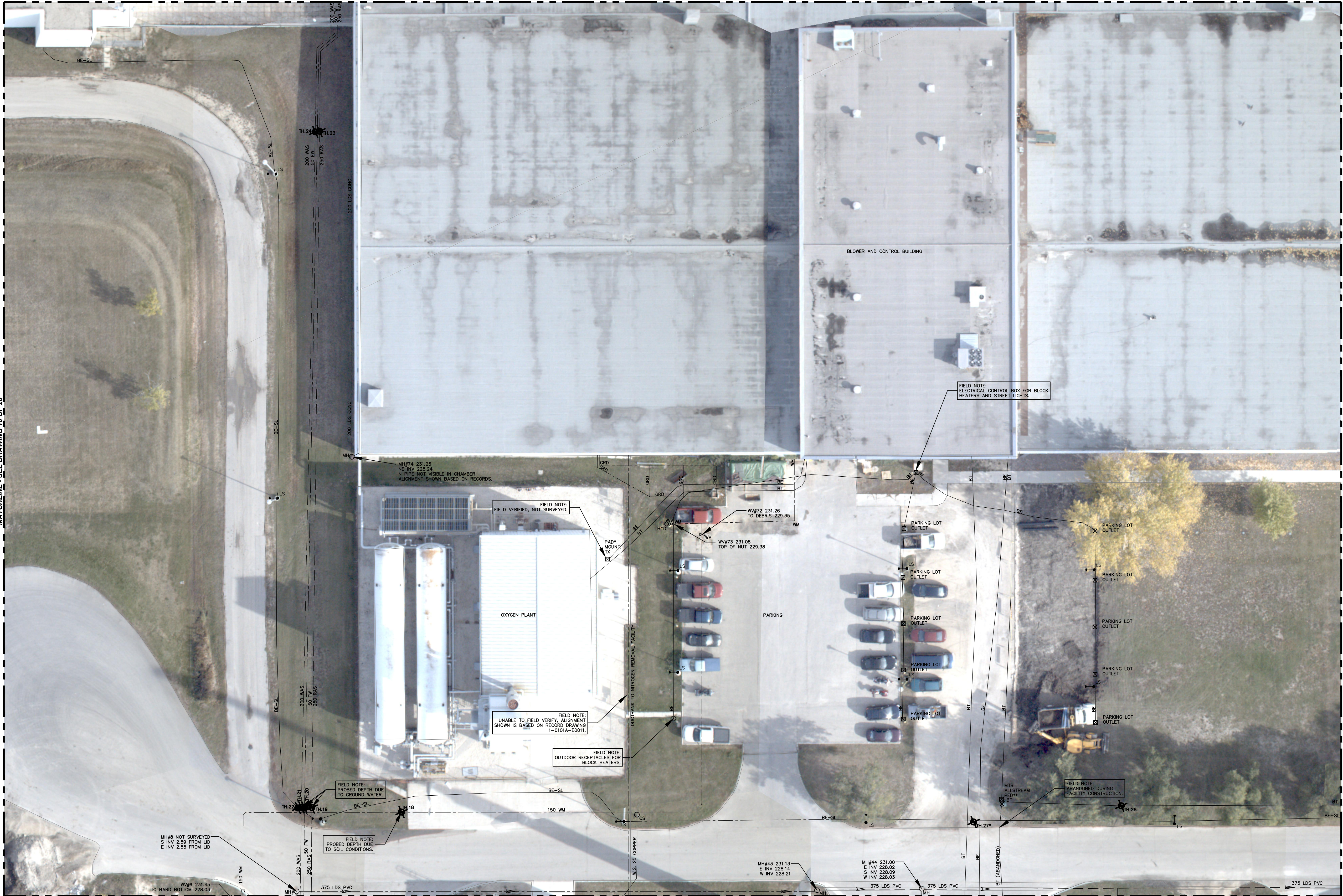
AREA SITE PLAN - SHEET 10 OF 20

SHEET

CITY DRAWING NUMBER

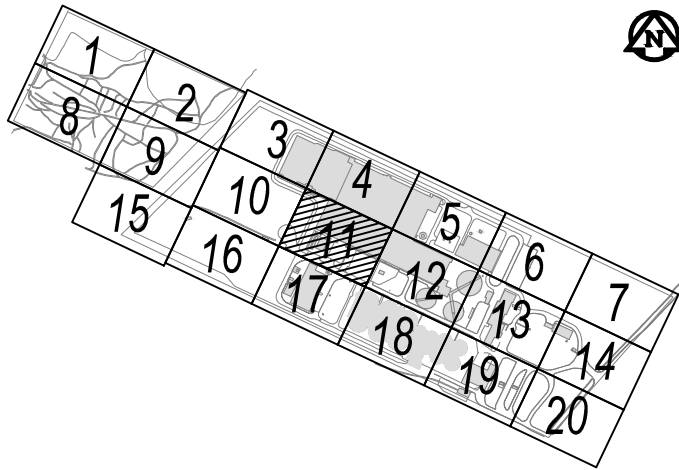
1-0101A-G0002-010

MATCHLINE - SEE DRAWING 10 OF 20



MATCHLINE - SEE DRAWING 17 OF 20

MATCHLINE - SEE DRAWING 12 OF 20



WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

- LIMIT OF INVESTIGATION: SEE DRAWING.
- EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
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- REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA

I QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
N
C QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.
R
E
A S
D QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.
Q
U
A QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.
L
I
T
Y

UIG UTILITY LEGEND

GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS LAT.	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS LAT.	LAND DRAINAGE SEWER LATERAL
BE	BURIED ELECTRIC
BE-SL	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
Q/N	OVERHEAD WIRE
---	QUALITY LEVEL "B"
- - -	QUALITY LEVEL "C"
- - - -	QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
HYDRANT				REDUCER		EFF	EFFLUENT	
VALVE				COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
MANHOLE				TREE				
CATCH BASIN				HYDRO POLE				
CURB INLET				BENCH MARK				
CULVERT				INVERT				
PIPE ABANDONMENTS				OBVERT				
SURVEY BAR								
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

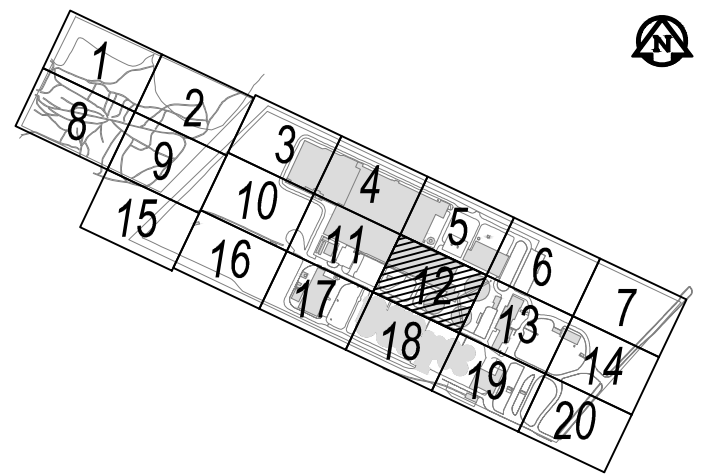
LOCATION APPROVED	
UNDERGROUND STRUCTURES	
SUPR. UIG STRUCTURES	DATE
COMMITTEE	
NOTE:	
LOCATION OF UNDERGROUND STRUCTURES	
AS SHOWN ARE BASED ON THE BEST	
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LOCATIONS ARE EXACT. CONFIRMATION OF	
EXISTENCE AND EXACT LOCATION OF ALL	
SERVICES MUST BE OBTAINED FROM THE	
INDIVIDUAL UTILITIES BEFORE PROCEEDING	
WITH CONSTRUCTION.	

5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YYMMDD	BY

DESIGNED BY	CHECKED BY	RG, JB
DRAWN BY	APPROVED BY	LEA
HOR. SCALE	RELEASED FOR CONSTRUCTION	
VERT. SCALE		
DATE	28-OCT-14	DATE

PROFESSIONAL'S SEAL
Original Stamped by:
L.E. ARCAD
Jan. 19, 2015
CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG	
WATER AND WASTE DEPARTMENT	
WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE	
AREA SITE PLAN - SHEET 11 OF 20	
SHEET	
CITY DRAWING NUMBER	
1-0101A-G0002-011	



KEYMAP - N.T.S.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.
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7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).
8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-50001-001) FOR TEST HOLE DETAILS.

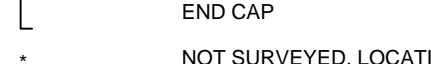
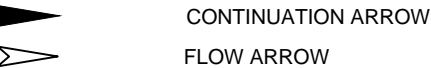
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INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES
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OF THE DATA

- | | |
|---|--|
| I | QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS. |
| N | |
| C | QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE |
| R | GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION. |
| E | |
| A | QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES. |
| S | |
| E | QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES. |
| D | |
| T | |

U/G UTILITY LEGEND

GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS LAT.	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS LAT.	LAND DRAINAGE SEWER LATERAL
BE	BURIED ELECTRIC
BE-SL	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
O/H	OVERHEAD WIRE
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"



BASED ON FIELD OBSER

NOT SURVEYED, LOCATION

BASED ON RECORD INFO

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM	♂	CURB STOP	♂	INF	INFLUENT	
⊗	HYDRANT	⬮	⊗	REDUCER	⊗	EFF	EFFLUENT	
⊗	VALVE	⊗	⊗	COUPLING	⊗	PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS	♂	ANODE	♂	RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS	♂	LAMP STANDARD	♂			
○	MANHOLE	●	○	TREE				
□	CATCH BASIN	■	⊗	HYDRO POLE				
△	CURB INLET	▲	⊕	BENCH MARK				
⊞ ⊞ ⊞ ⊞	CULVERT	⊞ ⊞ ⊞ ⊞	INV	INVERT				
⊞	PIPE ABANDONMENTS	⊞	OBV	OBVERT				
⊕	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE	DATE
<p>NOTE:</p> <p>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>	

5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY



1-855-222-T2UE | WWW.T2UE.COM



DESIGNED BY	CHECKED BY	RG , JB
DRAWN BY	APPROVED BY	LEA
HOR. SCALE	RELEASED FOR CONSTRUCTION	
VERT. SCALE		
DATE	DATE	
28-OCT-14		

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 12 OF 20

SHEET
CITY DRAWING NUMBER

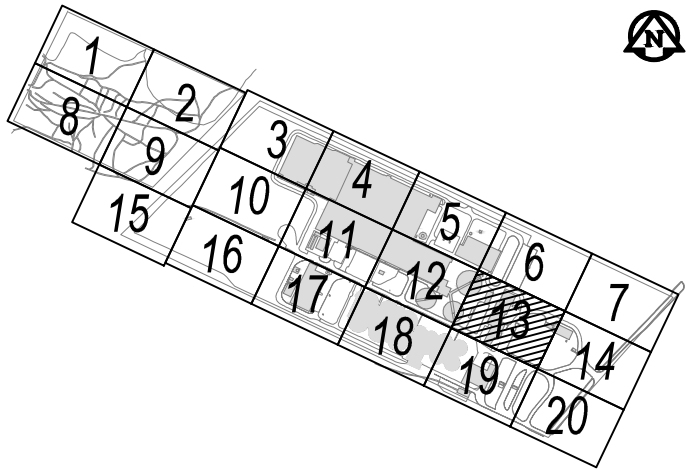
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MATCHLINE - SEE DRAWING 12 OF 20

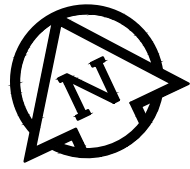


MATCHLINE - SEE DRAWING 19 OF 20

MATCHLINE - SEE DRAWING 14 OF 20



KEYMAP - N.T.S.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

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ASCE QUALITY LEVELS

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- A QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

— GAS	GAS
— G.S.	GAS SERVICE
— WM	WATERMAIN
— W.S.	WATER SERVICE
— WWS	WASTE WATER SEWER
— WWS LAT.	WASTE WATER SEWER LATERAL
— LDS	LAND DRAINAGE SEWER
— LDS LAT.	LAND DRAINAGE SEWER LATERAL
— BE	BURIED ELECTRIC
— BE-SL	BURIED ELECTRIC STREET LIGHT
— GRD	GROUND WIRE
— UNK	UNKNOWN
— FOC	FIBRE OPTIC CABLE
— TV	CABLE TV
— BT	BURIED TELECOMMUNICATIONS
— O/W	OVERHEAD WIRE
—	QUALITY LEVEL "B"
—	QUALITY LEVEL "C"
—	QUALITY LEVEL "D"



TEST HOLE (QL-A)



CONTINUATION ARROW



FLOW ARROW



END CAP



NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION



NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
150 WM	HYDRANT	150 WM		REDUCER		EFF	EFFLUENT	
300 LDS	VALVE	300 LDS		COUPLING		PS	PRIMARY SLUDGE	
250 WWS	MANHOLE	250 WWS		ANODE		RS	RAW SEWAGE	
	CATCH BASIN			LAMP STANDARD				
	CULVERT			TREE				
	PIPE ABANDONMENTS			HYDRO POLE				
				BENCH MARK				
				INVERT				
				OBVERT				
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED	DATE
SUPR. UIG STRUCTURES COMMITTEE	
NOTE:	
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NO.	REVISIONS	DATE	BY
5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW

T2utility engineers	AECOM
1-855-222-T2UE WWW.T2UE.COM	
DESIGNED BY	CHECKED BY RG, JB
DRAWN BY AJW	APPROVED BY LEA
HOR. SCALE 1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE 28-OCT-14	DATE

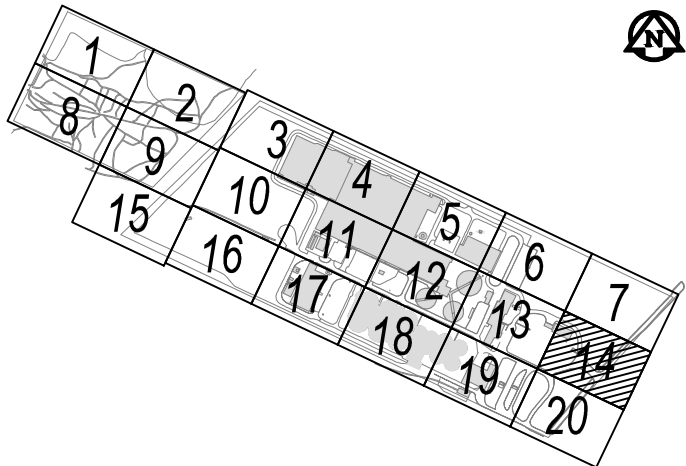
PROFESSIONAL'S SEAL
Original Stamped by: L.E. ARCAND Jan. 19, 2015
CONSULTANT DRAWING NO. 60311768
T2UE DRAWING NO. 61000277

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	SHEET
WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE	CITY DRAWING NUMBER
AREA SITE PLAN - SHEET 13 OF 20	1-0101A-G0002-013

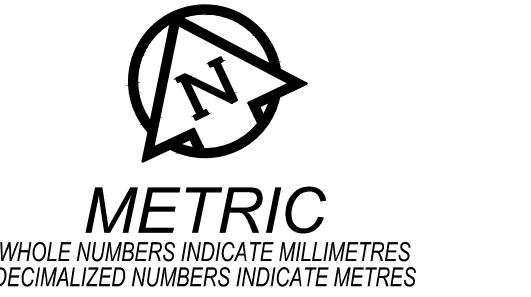
MATCHLINE - SEE DRAWING 13 OF 20

MATCHLINE - SEE DRAWING 07 OF 20

MATCHLINE - SEE DRAWING 20 OF 20



KEYMAP - N.T.S.



- GENERAL NOTES**
1. LIMIT OF INVESTIGATION: SEE DRAWING.
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 6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
 7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).
 8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

- ASCE QUALITY LEVELS**
- THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA
- | | |
|---|--|
| I | QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS. |
| N | |
| C | QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION. |
| R | |
| E | QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES. |
| D | |
| Q | |
| U | |
| A | QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES. |
| L | |
| T | |
| Y | |

UIG UTILITY LEGEND	
	GAS
	GAS SERVICE
	WATERMAIN
	WATER SERVICE
	WASTE WATER SEWER
	WASTE WATER SEWER LATERAL
	LAND DRAINAGE SEWER
	LAND DRAINAGE SEWER LATERAL
	BURIED ELECTRIC
	BURIED ELECTRIC STREET LIGHT
	GROUND WIRE
	UNKNOWN
	FIBRE OPTIC CABLE
	CABLE TV
	BURIED TELECOMMUNICATIONS
	OVERHEAD WIRE
	QUALITY LEVEL "B"
	QUALITY LEVEL "C"
	QUALITY LEVEL "D"
	TEST HOLE (QL-A)
	CONTINUATION ARROW
	FLOW ARROW
	END CAP
	NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
	NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
	LAND DRAINAGE SEWER			ANODE		RS	RAW SEWAGE	
	WASTE WATER SEWER			LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED	
UNDERGROUND STRUCTURES	
SUPR. UIG STRUCTURES	DATE
COMMITTEE	
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.	

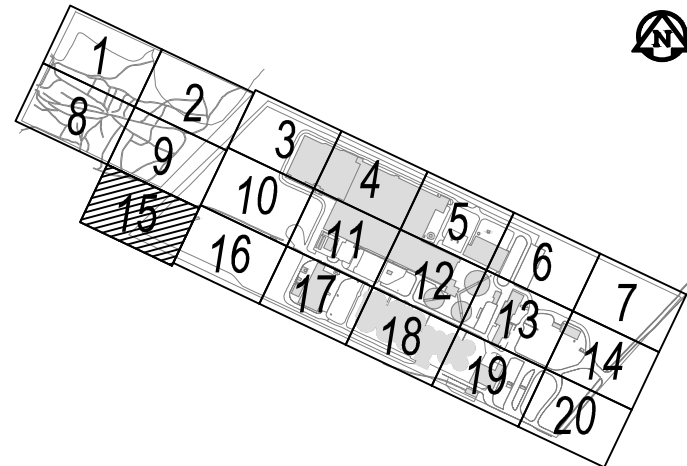
NO.	REVISIONS	YYMM/DD	BY
5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW

1-855-222-T2UE WWW.T2UE.COM	
DESIGNED BY	CHECKED BY RG, JB
DRAWN BY AJW	APPROVED BY LEA
HOR. SCALE 1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE 28-OCT-14	DATE

PROFESSIONAL'S SEAL
Original Stamped by: L.E. ARCAND Jan. 19, 2015
CONSULTANT DRAWING NO. 60311768
T2UE DRAWING NO. 61000277

	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT
WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE	SHEET
AREA SITE PLAN - SHEET 14 OF 20	CITY DRAWING NUMBER
	1-0101A-G0002-014

MATCHLINE - SEE DRAWING 09 OF 20



KEYMAP - N.T.S.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.
2. EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
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I QUALITY LEVEL "D" - INFORMATION DERIVED
N FROM EXISTING RECORDS OR VERBAL
RECOLLECTIONS.

C QUALITY LEVEL "C" - INFORMATION OBTAINED
R BY SURVEYING AND PLOTTING VISIBLE ABOVE
E GROUND UTILITY FEATURES AND BY USING
A PROFESSIONAL JUDGEMENT IN CORRELATING
S THIS INFORMATION TO THE QUALITY LEVEL "D"
INFORMATION.

L	QUALITY LEVEL "B" - INFORMATION OBTAINED
D	THROUGH THE APPLICATION OF APPROPRIATE
Q	SURFACE GEOPHYSICAL METHODS TO DETERMINE
U	THE EXISTENCE AND APPROXIMATE HORIZONTAL
	POSITION OF THE UTILITIES.

A
L
I
T

QUALITY LEVEL "A" - PRECISE HORIZONTAL
AND VERTICAL LOCATION OF UTILITIES OBTAINED
BY THE ACTUAL EXPOSURE AND SUBSEQUENT
MEASUREMENT OF SUBSURFACE UTILITIES.

U/G UTILITY LEGEND

GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS I.A.T.	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS I.A.T.	LAND DRAINAGE SEWER LATERAL
BE	BURIED ELECTRIC
BE.SI	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
O/H	OVERHEAD WIRE
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"



EST HOLE (QL-A)



CONTINUATION ARROW





































LOW ARROW

ND CAP

NOT SURVEYED, LOCATION
BASED ON FIELD OBSERVATIONNOT SURVEYED, LOCATION
BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

	150 WM		WATERMAIN		150 WM		CURB STOP		INF		INFLUENT
	HYDRANT		VALVE		REDUCER		COUPLING		EFF		EFLUENT
	300 LDS		LAND DRAINAGE SEWER		300 LDS		ANODE		PS		PRIMARY SLUDGE
	250 WWS		WASTE WATER SEWER		250 WWS		LAMP STANDARD		RS		RAW SEWAGE
	MANHOLE		CATCH BASIN		TREE		HYDRO POLE				
	CURB INLET		BENCH MARK		INVERT		OBVERT				
	PIPE ABANDONMENTS		SURVEY BAR								
	EXISTING		LEGEND - PLAN		NEW		EXISTING		LEGEND - PLAN		NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE	DATE
-----------------------------------	------

NOTE:
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5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YYMM/DD	BY



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DESIGNED BY		CHECKED BY	RG, JR
DRAWN BY	AJW	APPROVED BY	LEA
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERT. SCALE			
DATE	28-OCT-14	DATE	

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.

T2UE DRAWING NO.
61000277



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 15 OF 20

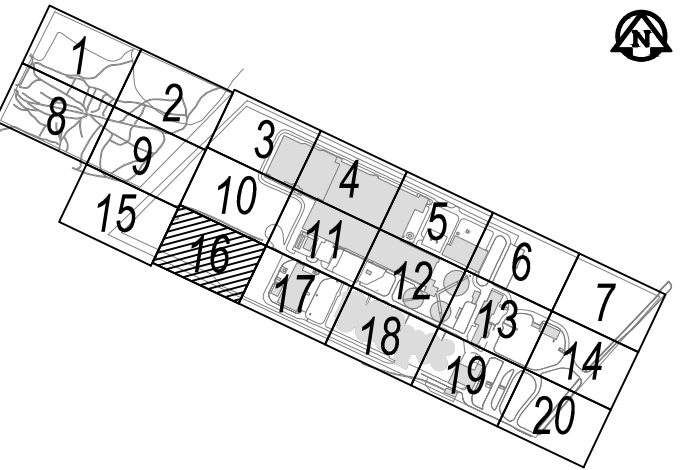
SHEET

1-0101A-G0002-015

MATCHLINE - SEE DRAWING 15 OF 20



MATCHLINE - SEE DRAWING 17 OF 20



KEYMAP - N.T.S.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES
1. LIMIT OF INVESTIGATION: SEE DRAWING.
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I	QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
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E	QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.
A	QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

	GAS
	GAS SERVICE
	WATERMAIN
	WATER SERVICE
	WASTE WATER SEWER
	WASTE WATER SEWER LATERAL
	LAND DRAINAGE SEWER
	LAND DRAINAGE SEWER LATERAL
	BURIED ELECTRIC
	BURIED ELECTRIC STREET LIGHT
	GROUND WIRE
	UNKNOWN
	FIBRE OPTIC CABLE
	CABLE TV
	BURIED TELECOMMUNICATIONS
	OVERHEAD WIRE
	QUALITY LEVEL "B"
	QUALITY LEVEL "C"
	QUALITY LEVEL "D"
	TEST HOLE (QL-A)
	CONTINUATION ARROW
	FLOW ARROW
	END CAP
	NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
	NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

	150 WM		150 WM		CURB STOP		INF		INFLUENT
	HYDRANT		VALVE		REDUCER		EFF		COUPLING
	300 LDS		300 LDS		ANODE		PS		LAMP STANDARD
	250 WWS		250 WWS		TREE		RS		HYDRO POLE
	CATCH BASIN		BENCH MARK		INVERT		OBV		OBVERT
	CULVERT		PIPE ABANDONMENTS		SURVEY BAR				
	EXISTING		NEW		EXISTING		NEW		EXISTING
	LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN		LEGEND - PLAN

LOCATION APPROVED

UNDERGROUND STRUCTURES

SUPR. UIG STRUCTURES COMMITTEE DATE

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3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YYMM/DD	BY

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DESIGNED BY	CHECKED BY	RG, JB
DRAWN BY	APPROVED BY	LEA
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE		
DATE	28-OCT-14	DATE

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768

T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE
AREA SITE PLAN - SHEET 16 OF 20

SHEET
CITY DRAWING NUMBER
1-0101A-G0002-016



1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20

KEYMAP - N.T.S.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.

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QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.

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QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND

GAS

G.S.

WM

W.S.

WWS

WWS LAT.

LDS

LDS LAT.

BE

BE-SL

GRD

UNK

FOC

TV

BT

o/n

QUALITY LEVEL "B"

QUALITY LEVEL "C"

QUALITY LEVEL "D"

TEST HOLE (QL-A)

CONTINUATION ARROW

FLOW ARROW

END CAP

NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION

NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED	
UNDERGROUND STRUCTURES	
SUPR. UIG STRUCTURES	DATE
COMMITTEE	
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1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YYMMDD	BY

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DESIGNED BY

CHECKED BY

RG, JB

DRAWN BY

APPROVED BY

LEA

HOR. SCALE

VERT. SCALE

1:250

RELEASED FOR CONSTRUCTION

DATE

28-OCT-14

PROFESSIONAL'S SEAL
Original Stamped by:
L.E. ARCAIND
Jan. 19, 2015
CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 17 OF 20

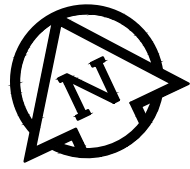
SHEET

CITY DRAWING NUMBER

1-0101A-G0002-017



KEYMAP - N.T.S.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

GENERAL NOTES

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C	QUALITY LEVEL "C" - INFORMATION OBTAINED
R	BY SURVEYING AND PLOTTING VISIBLE ABOVE
E	GROUND UTILITY FEATURES AND BY USING
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S	THIS INFORMATION TO THE QUALITY LEVEL "A"
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L	QUALITY LEVEL "B" - INFORMATION OBTAINED
D	THROUGH THE APPLICATION OF APPROPRIATE
Q	SURFACE GEOPHYSICAL METHODS TO DETERMINE
U	THE EXISTENCE AND APPROXIMATE HORIZONTAL
	POSITION OF THE UTILITIES.

A QUALITY LEVEL "A" - PRECISE HORIZONTAL
L AND VERTICAL LOCATION OF UTILITIES OBTAINED
I BY THE ACTUAL EXPOSURE AND SUBSEQUENT
T MEASUREMENT OF SUBSURFACE UTILITIES.

U/G UTILITY LEGEND

GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS LAT	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS LAT	LAND DRAINAGE SEWER LATERAL
BE	BURIED ELECTRIC
BE-SL	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
O/H	OVERHEAD WIRE
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"



TEST HOLE (QL-A)
































CONTINUATION ARROW



NOT SURVEYED, LOCATION

NOT SURVEYED, LOCATION
BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
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	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE	DATE
<p>NOTE:</p> <p>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>	

5	ISSUED FOR CITY OF WINNIPEG USE	15/01/19	AJW
4	FINAL REVIEW	14/08/25	AJW
3	REVISED TENDER	14/06/13	AJW
2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YY/MM/DD	BY



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DESIGNED BY	CHECKED BY	RG , JB
DRAWN BY AJW	APPROVED BY	LEA
HOR. SCALE 1:250	RELEASED FOR CONSTRUCTION	
VERT. SCALE		
DATE 28-OCT-14	DATE	

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.
60311768
T2UE DRAWING NO.
61000277



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

AREA SITE PLAN - SHEET 18 OF 20

SHEET

CITY DRAWING NUMBER

1-0101A-G0002-018



GENERAL NOTES

1. LIMIT OF INVESTIGATION: SEE DRAWING.
2. EMPTCY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
3. T2UE USED AVAILABLE MEANS IN AN ATTEMPT TO DETERMINE THE LOCATION OF UNDOCUMENTED UTILITIES HOWEVEER THE USER CANNOT BE RESPONSIBLE FOR FINDING ALL UNDOCUMENTED UTILITIES.
4. THE BASEPLAN WAS PROVIDED BY THE CLIENT, THEREFORE T2UE IS NOT RESPONSIBLE FOR ITS ACCURACY.
5. UTILITY OWNERSHIP, MATERIAL, SIZES AND FLOW SHOWN ON DRAWING ARE BASED ON RECORDS INFORMATION RECEIVED. FIELD INVESTIGATION AND PROFESSIONAL JUDGEMENT.
6. UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
7. BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).
8. REFER TO COVER PAGE (CITY DRAWING NUMBER 1-00101A-G0001-001) FOR TEST HOLE DETAILS.


ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS
COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THIS
INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES
THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION
OF THE DATA

I	QUALITY LEVEL "D" - INFORMATION DERIVED
N	FROM EXISTING RECORDS OR VERBAL
C	RECOLLECTIONS.
R	QUALITY LEVEL "C" - INFORMATION OBTAINED
	BY SURVEYING AND PLOTTING VISIBLE ABOVE
A	GROUND UTILITY FEATURES AND BY USING
S	PROFESSIONAL JUDGEMENT IN CORRELATING
E	THIS INFORMATION TO THE QUALITY LEVEL "D"
D	INFORMATION.
Q	QUALITY LEVEL "B" - INFORMATION OBTAINED
U	THROUGH THE APPLICATION OF APPROPRIATE
A	SURFACE GEOPHYSICAL METHODS TO DETERMINE
	THE EXISTENCE AND APPROXIMATE HORIZONTAL
	POSITION OF THE UTILITIES.
	QUALITY LEVEL "A" - PRECISE HORIZONTAL
	AND VERTICAL LOCATION OF UTILITIES OBTAINED
	BY THE ACTUAL EXPOSURE AND SUBSEQUENT
	MEASUREMENT OF SUBSURFACE UTILITIES.

<u>UIG UTILITY LEGEND</u>	
GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS LAT.	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS LAT.	LAND DRAINAGE SEWER LATERAL
BE	BURIED ELECTRIC
BE-SL	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
O/H	OVERHEAD WIRE
---	QUALITY LEVEL "B"
---	QUALITY LEVEL "C"
---	QUALITY LEVEL "D"



 CONTINUATION ARROW
 FLOW ARROW

END CAR

NOT SURVEYED

BASED ON FIELD

NOT SURVEYED, LOCATION
BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-201

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBV				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE	DATE
<p>NOTE:</p> <p>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>	

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2	ISSUED FOR TENDER	14/04/03	AJW
1	PRELIMINARY REVIEW	14/03/04	AJW
NO.	REVISIONS	YYMM/DD	BY



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DESIGNED BY	
DRAWN BY	AJW
HOR. SCALE	1:250
VERT. SCALE	
DATE	28-OCT-14

PROFESSIONAL'S SEAL

Original Stamped by:
L.E. ARCAND
Jan. 19, 2015

CONSULTANT DRAWING NO.	60311768
T2UE DRAWING NO.	61000277



WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE

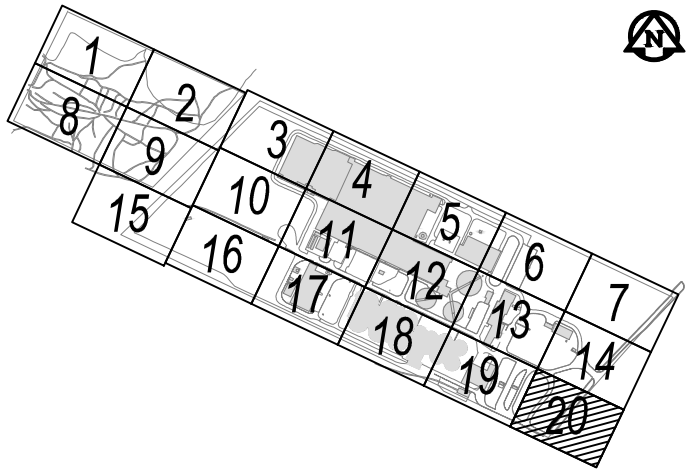
AREA SITE PLAN - SHEET 19 OF 20

SHEET
CITY DRAWING NUMBER

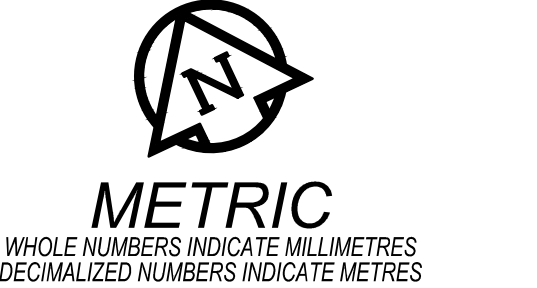
1-0101A-G0002-01

MATCHLINE - SEE DRAWING 14 OF 20

MATCHLINE - SEE DRAWING 19 OF 20



KEYMAP - N.T.S.



- GENERAL NOTES**
- LIMIT OF INVESTIGATION: SEE DRAWING.
 - EMPTY CONDUITS, SERVICES, LATERALS TO BUILDINGS, ABANDONED FACILITIES SUCH AS STREET LIGHT CABLES, WITHIN THE INVESTIGATION AREA MAY NOT BE SHOWN ON THE DRAWING.
 - T2UE USED AVAILABLE MEANS IN AN ATTEMPT TO DETERMINE THE LOCATION OF UNDOCUMENTED UTILITIES HOWEVER CANNOT BE RESPONSIBLE FOR FINDING ALL UNDOCUMENTED UTILITIES.
 - THE BASEPLAN WAS PROVIDED BY THE CLIENT, THEREFORE T2UE IS NOT RESPONSIBLE FOR ITS ACCURACY.
 - UTILITY OWNERSHIP, MATERIAL, SIZES AND FLOW SHOWN ON DRAWING ARE BASED ON RECORDS INFORMATION RECEIVED, FIELD INVESTIGATION AND PROFESSIONAL JUDGEMENT.
 - UTILITY WIDTHS ON DRAWING ARE BASED ON RECORDS RECEIVED AND TEST HOLE DATA WHERE AVAILABLE.
 - BASE COORDINATES BEING USED FOR THE PREPARATION OF THESE PLANS ARE UTM ZONE 14 JUNE 90 (LBIS).
 - REFER TO COVER PAGE (CITY DRAWING NUMBER 1-0101A-G0001-001) FOR TEST HOLE DETAILS.

ASCE QUALITY LEVELS

THE UTILITY INFORMATION SHOWN ON THIS DRAWING WAS COLLECTED IN ACCORDANCE TO ASCE STANDARD 38-02. THE INFORMATION IS SHOWN BY QUALITY LEVEL WHICH INDICATES THE LEVEL OF EFFORT USED TO DETERMINE THE LOCATION OF THE DATA

- I QUALITY LEVEL "D" - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL RECOLLECTIONS.
- C QUALITY LEVEL "C" - INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO THE QUALITY LEVEL "D" INFORMATION.
- E QUALITY LEVEL "B" - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF THE UTILITIES.
- A QUALITY LEVEL "A" - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UIG UTILITY LEGEND	
	GAS
	G.S.
	WM
	W.S.
	WWS
	WWS LAT.
	LDS
	LDS LAT.
	BE
	BE-SL
	GRD
	UNK
	FOC
	TV
	BT
	o/w
	QUALITY LEVEL "B"
	QUALITY LEVEL "C"
	QUALITY LEVEL "D"
	TEST HOLE (QL-A)
	CONTINUATION ARROW
	FLOW ARROW
	END CAP
	NOT SURVEYED, LOCATION BASED ON FIELD OBSERVATION
	NOT SURVEYED, LOCATION BASED ON RECORD INFORMATION

BID OPPORTUNITY NO. 607-2013

150 WM	WATERMAIN	150 WM		CURB STOP		INF	INFLUENT	
	HYDRANT			REDUCER		EFF	EFFLUENT	
	VALVE			COUPLING		PS	PRIMARY SLUDGE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		RS	RAW SEWAGE	
250 WWS	WASTE WATER SEWER	250 WWS		LAMP STANDARD				
	MANHOLE			TREE				
	CATCH BASIN			HYDRO POLE				
	CURB INLET			BENCH MARK				
	CULVERT			INVERT				
	PIPE ABANDONMENTS			OBVERT				
	SURVEY BAR							
EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW

LOCATION APPROVED	
UNDERGROUND STRUCTURES	
SUPR. UIG STRUCTURES COMMITTEE	DATE
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NO.	REVISIONS	YYMM/DD	BY
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DESIGNED BY	CHECKED BY RG, JB
DRAWN BY AJW	APPROVED BY LEA
HOR. SCALE 1:250	RELEASED FOR CONSTRUCTION
VERT. SCALE	
DATE 28-OCT-14	DATE

PROFESSIONAL'S SEAL	
Original Stamped by: L.E. ARCAND Jan. 19, 2015	
CONSULTANT DRAWING NO. 60311768	
T2UE DRAWING NO. 61000277	

	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	SHEET
WINNIPEG NORTH END WATER POLLUTION CONTROL CENTRE		CITY DRAWING NUMBER
AREA SITE PLAN - SHEET 20 OF 20		1-0101A-G0002-020