



**KEY PLAN**  
SCALE: NTS

**GENERAL NOTES**

1. THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.
2. UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY OTHERS. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT.
3. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. ALL UTILITIES TO BE LOCATED IN THE FIELD AND MODIFIED AS NECESSARY TO TC-E-10 AND TC-E-11 STANDARDS.
4. ENVIRONMENTAL PROTECTION MEASURES AND PROCEDURES SHALL BE AS PER THE APPROPRIATE GOVERNMENT AND OWNER'S ENVIRONMENTAL GUIDELINES.
5. CONTRACTOR MUST MAINTAIN DRAINAGE AT ALL TIMES. PROPOSED CULVERTS LENGTHS AND ELEVATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING & REMOVING ANY TEMPORARY FACILITIES NECESSARY TO ACCESS THE SITE. INCLUDING, BUT NOT LIMITED TO, FENCES, GATES, CULVERT, GRANULAR, SILT FENCES & TRAFFIC CONTROL DEVICES.
7. ALL ACCESS WAYS MUST BE MAINTAINED TO A LEVEL THAT WILL PERMIT PASSAGE BY MAINTENANCE, ENGINEERING AND OPERATIONS VEHICLES AT ALL TIMES.
8. THE CONTRACTOR MUST LIMIT MOVEMENT OF CONSTRUCTION TRAFFIC TO WITHIN THE CONSTRUCTION LIMITS. ANY AND ALL DAMAGE TO EXISTING FACILITIES (INCLUDING, BUT NOT LIMITED TO, FENCES, PAVEMENT, CULVERTS ETC.) WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE REPAIRED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
9. SURVEY CONTROL IS BASED ON UTM ZONE 14 NAD 83. DUE CARE MUST BE MADE TO PREVENT DESTRUCTION OR ALTERATION OF SITE CONTROL. IF UNAVOIDABLE THE CONTRACT ADMINISTRATOR ON SITE MUST BE NOTIFIED IMMEDIATELY.
10. ADDITIONAL CULVERTS TO BE FIELD LOCATED, AS DIRECTED BY THE CONTRACT ADMINISTRATOR AND EXISTING DRAINAGE PATTERNS TO REMAIN.
11. ALL PROPERTY LINES ARE PROVIDED FOR INFORMATION PURPOSES ONLY.

**DRAWING UNITS**

ALL UNITS ARE IN METRIC (m) UNLESS NOTED OTHERWISE  
TO CONVERT METRIC DIMENSIONS TO FEET DIVIDE BY 0.3048

**ABBREVIATIONS**

BC	BEGIN CURVE	RH	RIGHT HAND
BM	BENCHMARK	R/W	RIGHT OF WAY
BVCE	BEGIN VERTICAL CURVE	SC	SPIRAL TO CURVE
BVCE E	BEGIN VERTICAL CURVE ELEVATION	STM	STORM SEWER
BVCS	BEGIN VERTICAL CURVE STATION	STA.	STATION
CB	CATCHBASIN	ST	SPIRAL TO TANGENT
CL	CENTERLINE	TAN	TANGENT
CLF	CHAIN LINK FENCE	TO	TURNOUT
CS	CURVE TO SPIRAL	TS	TANGENT TO SPIRAL
CSP	CORRUGATED STEEL PIPE	T/R	TOP OF RAIL
CONC	CONCRETE	TWP	TOWNSHIP
CP	CONTROL POINT	TYP.	TYPICAL
CULV	CULVERT	XING	RAILWAY CROSSING
Dc	DEGREE OF CURVE (CHORD DEFINITION)	VAR.	VARIABLE
DWG	DRAWING	VC	VERTICAL CURVE
EC	END CURVE	Ø	DIAMETER
EL. / ELEV.	ELEVATION	WWS	WASTE WATER SEWER
EVC	END VERTICAL CURVE	WM	WATERMAIN
EVCE	END VERTICAL CURVE ELEVATION	S & C	SIGNAL AND COMMUNICATION
EVCS	END VERTICAL CURVE STATION	COW	CITY OF WINNIPEG
EXIST.	EXISTING		
GRAN.	GRANULAR		
HDPPE	HIGH DENSITY POLYETHYLENE		
INV.	INVERT (PIPE or DITCH)		
LH	LEFT HAND		
MH	MANHOLE		
MAX.	MAXIMUM		
MID.	MIDDLE		
MIN.	MINIMUM		
M	MILEAGE		
NIC	NOT IN CONTRACT		
OG	ORIGINAL / EXISTING GROUND		
O/H or OH	OVERHEAD		
PI	POINT OF INTERSECTION		
PROP	PROPOSED		
PS	POINT OF SWITCH		
PVI	POINT OF VERTICAL INTERSECTION		
PVIE	POINT OF VERTICAL INTERSECTION ELEVATION		
PVIS	POINT OF VERTICAL INTERSECTION STATION		

**LEGEND**

EXISTING	DESCRIPTION	PROPOSED
	SWITCH STAND	
	POWER SWITCH	
	HINGED DERAIL	
	TWO-WAY HINGED DERAIL	
	CROSSING PLANKS	
	CENTRELINE MAIN	
	CENTRELINE SPUR	
	CENTRELINE MAIN FUTURE	
	RAIL REMOVE/REALIGN	
	SURVEY CONTROL POINT	
	MANHOLE	
	DITCH FLOW DIRECTION	
	CULVERT/CULVERT EXTENSION	
	RAILWAY R/W	
	TELEPHONE PEDESTAL	
	LIGHT POLE	
	SECURITY FENCE	

  

EXISTING	DESCRIPTION	PROPOSED
	CONTOURS AND LABELS DISPLAYED AT 0.5m INTERVALS	
	TREE LINE, BUSHES & SHRUBS	
	GRAVEL ROADWAY	
	PAVED ROADWAY	
	GRADING REQUIREMENTS	
	OVERHEAD POWER LINE WITH POLE	
	OVERHEAD TELEPHONE LINE WITH POLE	
	UNDERGROUND FIBRE OPTIC LINE	
	UNDERGROUND TELEPHONE LINE	
	UNDERGROUND OIL LINE	
	UNDERGROUND GAS LINE	
	UNDERGROUND POWER LINE	
	PROPERTY LINE	
	UNDERGROUND S & C CABLE	
	CONSTRUCTION EASEMENT	
	CATCH BASIN	

**APECM**  
Certificate of Authorization  
AECOM Canada Ltd.  
No. 4671 Date: 2013/10/15  
BID OPPORTUNITY NO. 712-2013

<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.</p> <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	<p><b>AECOM</b></p> <table border="1"> <tr> <td>DESIGNED BY: BRP</td> <td>CHECKED BY: BJM</td> </tr> <tr> <td>DRAWN BY: WD</td> <td>APPROVED BY: RCP</td> </tr> <tr> <td>HOR. SCALE: 1:500</td> <td>RELEASED FOR CONSTRUCTION BY:</td> </tr> <tr> <td>VERTICAL: 1:50</td> <td>DATE: 2013/10/15</td> </tr> </table>	DESIGNED BY: BRP	CHECKED BY: BJM	DRAWN BY: WD	APPROVED BY: RCP	HOR. SCALE: 1:500	RELEASED FOR CONSTRUCTION BY:	VERTICAL: 1:50	DATE: 2013/10/15	<p>ENGINEER'S SEAL</p> <p>CONSULTANT DRAWING NO. 30-SHT-CR-1101</p>	<p><b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT</p> <p>PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3</p> <p>SHOOFLY REMOVAL AND FINAL CONFIGURATION OVERALL PLAN, LEGEND AND GENERAL NOTES</p>	<p>CITY DRAWING NUMBER U238-2014-2201</p> <p>SHEET 01 OF 09</p>
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