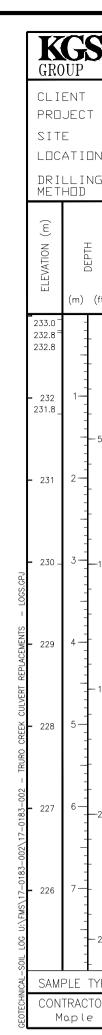


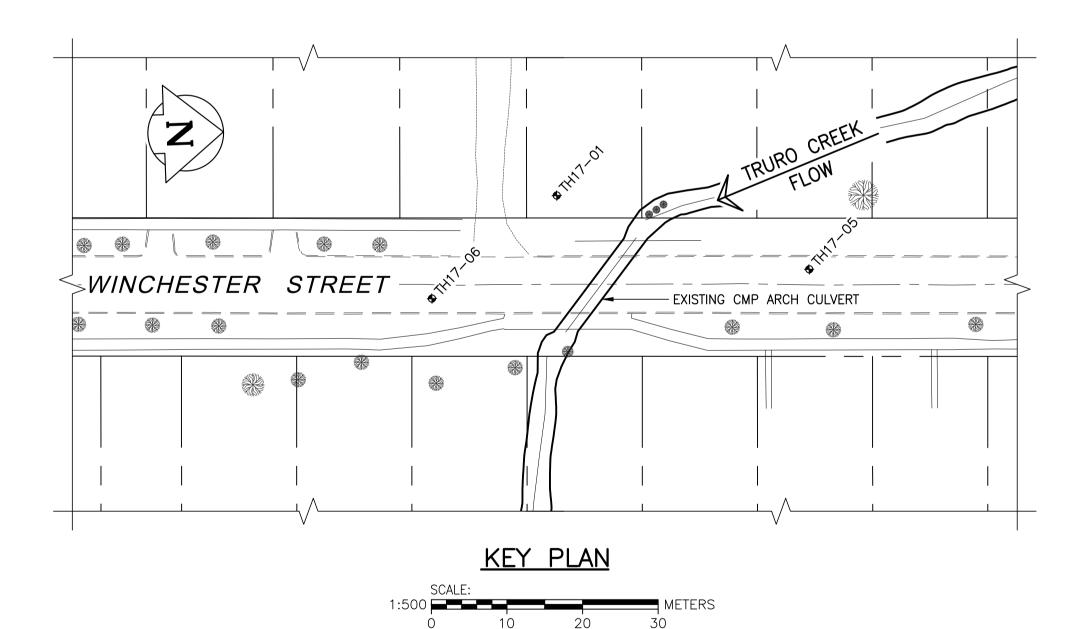


AM.

These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

K	GS		REFERENCE NO.	hole no. TH17-C		SHEET 1 of 1
SIT Loc	JECT T E V ATION N LLING 1	⁻ ruro (Vinches North o	ANADA GROUP LIMITED Creek Culvert Replacements ter Street Culvert Crossing if Culvert in Southbound Lane 1 m from Curb n ø Solid Stem Auger, CME 55 Truck Mounted Drill Rig		JOB NO. GROUND ELEV. TOP OF CASING WATER ELEV. DATE DRILLED UTM (m)	11/5/2017 N 5,527,416 E 627,240
ELEVATION (m)	HLdJD (m) (ft)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	SAMPLE TYPE NUMBER RFCOVERY %		
232.8 232.6 - 232 231.6			<u>ASPHALT</u> – 51 mm thick <u>CONCRETE</u> – 152 mm thick <u>SILTY CLAY FILL (CH)</u> – Dark brown to black, damp, stiff, high plasticity, with fine to coarse grained sand, trace fine to coarse grained gravel, trace organics.	R ^{S01} R ^{S03} R ^{S04}		
- 231	2		<u>SILTY CLAY (CH)</u> — Brown, damp, very stiff, high plasticity, trace silt inclusions. — Stiff below 1.5 m.	R ⁵⁰⁵ R ⁵⁰⁶ R ⁵⁰⁷ R ⁵⁰⁸		
- 230 229.8_			End of Hole at 3.05 m< <c>> Notes:</c>	\mathbf{R}^{sog}		
- 229	4	- 15	 Test hole was open and dry to 3.05 m. Backfilled with bentonite chips from 3.05 m to 2.5 m, cuttings from 2.5 m to 0.25 m, sand from 0.25 m to 0.225 m and redimix concrete fr 0.225 m to ground surface. 	om		
- 228 - 227						
- 226	6					
· 225			Auger Grab			
CON	TRACTOR		Auger Grab INSPECTOR rilling Ltd. K. HAMILTON	APPROVE DEA	D	DATE 10/6/17





· · · · · · · · · · · · · · · · · · ·	ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization KGS Group No. 245									
	LOCATIONS APPROVED UNDERGROUND STRUCTURES		G.B.M. = TOP NUT OF FIRST HYDRANT SOUTH OF INTERSECTION BETWEEN NESS AVENUE AND LINWOOD STREET ELEV. = 233.659			\\\\		WSP 93 Lom V	ENGINEER'S SEA	
	SIGNED BY:					-			F+ 1 204-943-4948 www.wsp.com	1 / 51
7						DESIGNED BY	KWH	CHECKED BY	DEA	ANDE
5	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					DRAWN BY	CP	APPROVED BY	JL	PROS PROS
P	LOCATIONS ARE EXACT CONFIRMATION OF EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES			17 11 23		HOR. SCALE	1:500 1:500	RELEASED FOR CONSTRUCTION		CONSULTANT PR

ISSUED FOR TENDER

No. REVISIONS

17.11.23 JL VERTICAL

DATE BY DATE

1:500

17.11.23

DATE

BEFORE PROCEEDING

	TH17-0	6	SHEET 1 of 1
WSP CANADA GROUP LIMITED Truro Creek Culvert Replacements Winchester Street Culvert Crossing South of Culvert in Northbound Lane 1.6 m from Curb 125 mm ø Solid Stem Auger, CME 55 Truck Mounted Drill Rig		JOB NO. GROUND ELEV. TOP OF CASING WATER ELEV. DATE DRILLED UTM (m)	17-0183-002 233.02 m +/- ELEV. 11/5/2017 N 5,527,366 E 627,242
CITED DESCRIPTION AND CLASSIFICATION	SAMPLE TYPE NUMBER RECOVERY %	SPT (N) blows/0.15 m▲ DYNAMIC CONE (N) blows/ft △ 20 40 60	
ASPHALT - 64 mm thick CONCRETE - 140 mm thick GRANULAR FILL - Brown, damp, compact to dense, fine to coarse grained sand, with fine to coarse grained grave, trace silt, trace clay. SILTY CLAY FILL (CH) - Dark brown to black, damp, stiff, high plasticity, some fine to coarse grained sand, trace fine to coarse grained gravel, trace organics. SILTY CLAY (CH) - Brown, damp, very stiff, high plasticity, trace silt inclusions. - Stiff below 2.1 m.	S01 R S02 R S03 R S04 R S05 R S06 R S07 R S08 R S09 R S10 S10 S10 S10 S10 S10 S10 S10		
End of Hole at 3.05 m< <c>> Notes: 1. Test hole was open and dry to 3.05 m. 2. Backfilled with bentonite chips from 3.05 m to 2.5 m, cuttings from 2.5 m to 0.225 m, sand from 0.225 m to 0.2 m and redimix concrete from 0.2 m to ground surface.</c>			
PE 🚹 Auger Grab R INSPECTOR	APPROVE)	DATE

