

(P)

 (\odot)

Ò ⊕

EXIST RIPR

8

 $\bigcirc\bigcirc\bigcirc$

LEGEND

-1050 LDS-

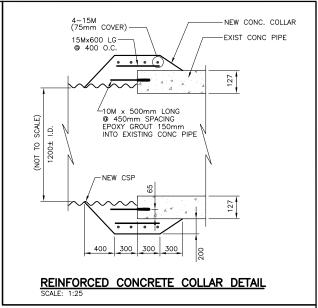
300 300

FOM

- GEODETIC CONTOUR (m) ---229-

TESTHOLE WITH INSTRUMENTATION BY KGS GROUP (NOVEMBER 2008) (SI-1) SLOPE INCLINOMETER #1 (PN-1) PNEUMATIC PIEZOMETER #1 (STP-1) STANDPIPE PIEZOMETER #1

PROPERTY BOUNDARY



NOTES:

CONCRETE

- 1. CONCRETE MATERIALS AND WORKMANSHIP WAS IN ACCORDANCE WITH CAN/CSA-A23.1/ A23.2 (LATEST). SEE BELOW FOR MIX REQUIREMENTS.
- CONCRETE MATERIALS, FORMING, PLACING, FORM REMOVAL, REINFORCING, ETC. WAS TO ACI RECOMMENDATIONS AND ACCEPTABLE PRACTICE.
- 3. MIX WATER WAS POTABLE. CALCIUM CHLORIDE WAS NOT USED. 4. PROVIDED ADEQUATE FROST PROTECTION FOR CONCRETE DURING CURING PERIOD.
- 5. CONCRETE MIX DESIGN WAS PROPORTIONED AS FOLLOWS:

28 DAY COMP. STRENGTH 30 MPa

CEMENT TYPE MS W/C RATIO 0.45 3/4" AGGREGATE SIZE (MAX.) ENTRAINED AIR 4%-6% SLUMP (MAX.) 90mm (±10mm)

6. SUPER PLASTICIZER SUPPLIED FOR ALL POURS (SLUMP PRIOR TO ADDING PLASTICIZER WAS 100mm ± 20mm AND 200mm ±25mm WITH PLASTICIZER).

REINFORCING STEEL

- REINFORCING STEEL IS NEW DEFORMED BILLET STEEL BARS CONFORMING TO CAN/CSA G30.18-M92. GRADES TO BE; 400 MPa FOR 15M BARS AND LARCER; 300 MPa FOR 10M BARS.
- 2. REINFORCING STEEL CLEAN, FREE OF RUST, DIRT, LOOSE SCALE, OIL, GREASE OR ANY OTHER MATERIAL WHICH WOULD REDUCE BOND WITH THE CONCRETE.
- 3. PROVIDED MINIMUM CONCRETE COVER FOR REINFORCING AS SHOWN ON DRAWING.

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

WARNING

. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

3. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES





| 5 | | 10 | 15 | 20 |
|-----------|--------|----|----|----------|
| | | | | |
| DRIZONTAL | SCALE: | | | A1 A3 |

. **245** Date: 16/12/08 THE CITY OF WINNIPEG

2008 OUTFALL REPAIRS AVENUE DE LA CATHEDRALE

02 CAD FILE DRAWING NUMBER RR-55.1 PLAN-PROF

LD-5239

09

| AVENUE DE LA CATHEDRALE OUTFALL RR-55.1 | | | | | | | | | | HORI | - | | | | | | |
|---|---------------------|----------|----------|----------------|----------|----------|----------------|----------|--|------|---|----------------------------|-----------|------------|----------------------------|------------------------|---|
| 150 WM | WATERMAIN | 150_WM | | HYDRO | | | | | LOCATION APPROVED | B.M. | 34-014 364 (654028) - TACHE | AVE. & | W7 / | 70 ~ | NATURALIS BUGINABA | ENGINEER'S SEAL | 1 |
| 4 | HYDRANT | + | | M.T.S. | | | | | LOCATION APPROVED UNDERGROUND STRUCTURES | ELEV | . 231.543 PROVÈNCHER AVE., TBLT. | IN 7.6m CON | | 100 | DNSULTING ENGINEERS | | |
| ⊗ | VALVE | 8 | | PROPERTY LINE | | | | | ONDERGROUND STRUCTURES | | BOX, 6.4m E. OF THE E. | L. OF TACHE | M | <i>»</i> | PROJECT MANAGERS | | |
| 300_LDS | LAND DRAINAGE SEWER | 300 LDS | + | SURVEY BAR | + | | | | SUPV. U/G STRUCTURES DATE | | BOX, 6.4m E. OF THE E. AVE. & 24.4m S. OF THE PROVENCHER AVE. MONUM | . N.L. OF MENT 0.2m B.0 | | AT TID WIN | INIPEG (204) 896-1209 | | ٠ |
| 250_WWS | WASTE WATER SEWER | _250_WWS | • | LIGHT STANDARD | | | | | COMMITTEE DATE | | • | | Oile | | JNDER BAY (807) 345-2233 | ORIGINAL SIGNED BY | |
| 0 | MANHOLE | • | • | HYDRO POLE | | | | | NOTE: | | | | DESIGNED | RJH | CHECKED BY RJH | R.J. HOUSTION | |
| | CATCH BASIN | | | GUY WIRE | | | | | LOCATION OF UNDERGROUND STRUCTURES AS | | | | - 51 | KJH | | 16/12/08 | |
| ▽ | CURB INLET | ▼ | 0 | SIGN | | | | | SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN | | | | DRAWN | DMW | APPROVED BY | | |
| | JUNCTIONS | -44- | سسس | BUSH LINE | | | | | THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. | | | | <u> </u> | | 51 | | |
| | CULVERT | | | FENCE | | | | | CONFIRMATION OF EXISTENCE AND EXACT | | | | HOR. SCA | ALE: 1:250 | RELEASED FOR CONSTRUCTION: | | |
| | GAS | | 231.334 | ELEVATION | (32.231) | | | | LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES | 0 | ISSUED FOR TENDER | 08/12/08 RJH | VERTICAL: | 1:50 | CONSTRUCTION. | CONSULTANT DRAWING NO. | |
| EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PROFILE | PROPOSED | BEFORE PROCEEDING WITH CONSTRUCTION. | NO. | REVISIONS | DATE BY | DATE | 08/12/08 | DATE | 08-107-12_02 | |
| | | | | | | • | | , | | | | | | | | | _ |

EXIST FLOOD CONTROL GATE CHAMBER-

(B)

WATER & WASTE DEPARTMENT Winnipeg

PLAN AND PROFILE OUTFALL (RR-55.1)