



TYPICAL CROSS-SECTION  
NTS

- GENERAL NOTES:**
- ADJUST MH, CB RIMS, AND VALVES TO NEW GRADES.
  - CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
  - MODIFIED BARRIER CURB TO BE USED AT ALL INTERSECTION RADII, BACK LANE RADII, AND BULL NOSES.
  - CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
  - ADD 200.00m TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATIONS.
  - CB OFFSETS ARE DIMENSIONED TO BOC.
  - PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE APPROXIMATION OF THE TENDERED QUANTITIES.
  - SIDEWALKS TO BE RENEWED WITH CONCRETE AS NOTED BY CONTRACT ADMINISTRATOR.
  - LAMP STANDARDS, HYDRO POLES, AND ANCHORS THAT REQUIRE TEMPORARY SUPPORT, REMOVAL OR REPLACEMENT, TO BE DONE SO AT THE EXPENSIVE OF THE CONTRACTOR AS NECESSARY.

**WATER AND WASTE RENEWAL ANTICIPATED FOR JULY TO BE COMPLETED BY WATER AND WASTE DEPARTMENT**

Mar 05, 2015 - 4:05pm  
P:\5514100-5514199-5514132 - 2015 Local Streets and Alley Renewal 15-R-06\MM Drawings\Powers Street\5514132 - Powers St.dwg - tab: STA 1+00 - STA 2+00

| EXISTING | LEGEND-PLAN        | PROPOSED    | EXISTING | LEGEND-PLAN             | PROPOSED    | EXISTING | LEGEND-PLAN | PROPOSED    |
|----------|--------------------|-------------|----------|-------------------------|-------------|----------|-------------|-------------|
| ○        | MANHOLE            | ●           | —        | WATER MAIN              | —           | —        | —           | —           |
| □        | CATCH BASIN        | ■           | —        | LAND DRAINAGE SEWER     | —           | —        | —           | —           |
| △        | CURB INLET         | ▽           | —        | WASTE WATER SEWER       | —           | —        | —           | —           |
| ◇        | UTILITIES ADJUSTED | △ ○         | —        | HYDRO                   | —           | —        | —           | —           |
| J        | PLUG               | J           | —        | M.T.S.                  | —           | —        | —           | —           |
| ⊕        | HYDRANT            | ⊕           | —        | GAS                     | —           | —        | —           | —           |
| ⊗        | VALVE              | ⊗           | —        | SIGNALS                 | —           | —        | —           | —           |
| ⊙        | IRON BAR           | ⊙           | —        | LIGHT STANDARD          | —           | —        | —           | —           |
| 230.99   | GROUND GRADE       | —           | —        | DETECTABLE WARNING TILE | —           | —        | —           | —           |
| (230.99) | PAVEMENT GRADE     | (31.00)     | —        | CURB RAMP               | —           | —        | —           | —           |
|          | LOT GRADE          | 31.00       | —        | EDGE OF SIDEWALK        | —           | —        | —           | —           |
|          | EXISTING           | LEGEND-PLAN | PROPOSED | EXISTING                | LEGEND-PLAN | PROPOSED | EXISTING    | LEGEND-PLAN |

**LOCATIONS APPROVED UNDERGROUND STRUCTURES**

SIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

SUPPLY U/G 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 EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

| NO. | REVISIONS                           | DATE     | BY  |
|-----|-------------------------------------|----------|-----|
| 1   | ISSUED FOR TENDER                   | 04.03.15 | VMM |
| 2   | ISSUED TO U/G STRUCTURES FOR REVIEW | 03.02.15 | BOD |

**MMM GROUP**

DESIGNED BY: MS  
CHECKED BY: BOD  
DRAWN BY: KB  
APPROVED BY: VMM

HOR. SCALE: 1:250  
VERTICAL: 1:10

RELEASED FOR CONSTRUCTION: 05-Mar-15

ENGINEER'S SEAL

ORIGINAL SEALED BY  
V.M. MAROTI  
P. ENG.  
03/02/15

CONSULTANT ACAD DWG. NO.  
5514132-C2-01

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

2015 LOCAL STREETS RENEWAL PRG  
POWERS STREET - PRITCHARD AVE TO BURROWS AVE  
ASPHALT RECONSTRUCTION  
PRITCHARD AVENUE TO STA 2+00

CITY DRAWING NUMBER  
SHEET 1 OF 14

BID NO.  
152-2015

**PRELIMINARY**

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMAL NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
MMM Group Limited  
No. 4531