



- NOTES:**
- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  - ALL ROADWAY DIMENSIONS SHOWN ARE TO BACK OF CURB.
  - ALL BOULEVARDS TO BE SODDED UNLESS OTHERWISE NOTED.
  - ADD 200.00 TO ALL ELEVATIONS TO OBTAIN GEODETIC ELEVATION.
  - CURB 180mm REVEAL, UNLESS OTHERWISE NOTED.
  - INSTALL 40mm LIP CURB THROUGH ALL RESIDENTIAL APPROACHES AND BACKLANES.
  - 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 EXPENSE OF THE CONTRACTOR AS NECESSARY.

**RECONSTRUCTION OF MANHATTAN AVENUE  
INCLUDES STREET LIGHTING PROJECT  
SEE DRAWING 1-4707-DE-50000-0289**

**NOTE:**  
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.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
---	WATER MAIN	---	#111	CIVIC ADDRESS	---	---	---	---
---	LAND DRAINAGE SEWER	---	⊕	IRON BAR	---	---	---	---
---	WASTE WATER SEWER	---	⊕	HYDRO POLE & LIGHT STANDARD	---	---	---	---
---	HYDRO	---	⊕	LIGHT STANDARD	---	---	---	---
---	M.T.S.	---	⊕	HYDRO POLE	---	---	---	---
---	GAS	---	⊕	CURB RAMP	---	---	---	---
---	SIGNALS	---	⊕	DETECTABLE WARNING SURFACE TILE	---	---	---	---
○	MANHOLE	●	---	EDGE OF SIDEWALK	---	---	---	---
□	CATCH BASIN	■	---	PROPERTY LINE	---	---	---	---
△	CURB INLET	▽	---	EDGE OF ASPHALT	---	---	---	---
⊕	UTILITIES ADJUSTED	△ □ ○	---	MODIFIED BARRIER CURB	---	---	---	---
⊕	PLUG	⊕	---	BARRIER CURB	---	---	---	---
⊕	HYDRANT	⊕	---	EDGE OF CONCRETE	---	---	---	---
⊕	VALVE	⊕	---	SIDEWALK	---	---	---	---
⊕	CURB STOP	⊕	---	CONCRETE REPAIR SLAB	---	---	---	---
---	GROUND GRADE	---	---	ASPHALT	---	---	---	---
(31.00)	PAVEMENT GRADE	(31.00)	---	MILLED SURFACE	---	---	---	---
---	LOT GRADE	[31.00]	---	ASPHALT JOINT REPAIR	---	---	---	---
---	ANCHOR	---	---	---	---	---	---	---
---	EXISTING	---	---	---	---	---	---	---

**LOCATIONS APPROVED UNDERGROUND STRUCTURES**

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

SUPV UG 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 EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

NO.	REVISIONS	DATE	BY
B	ISSUED FOR UG STRUCTURES REVIEW	15.03.16	VM
A	ISSUED FOR C of W REVIEW	03.03.16	VM

**MMM GROUP**

DESIGNED BY: JP  
DRAWN BY: LT/SB  
HOR SCALE: 1:250  
VERTICAL: 1:10

CHECKED BY: TJP  
APPROVED BY: VM  
RELEASED FOR CONSTRUCTION

DATE: 15-Mar-16

ENGINEER'S SEAL

**V.M. MAROTI**  
Member  
30809

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.  
5515115-C-16

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

**2016 STREET RENEWAL PROGRAM**

MANHATTAN AVENUE  
GREY STREET TO CPR CROSSING  
ASPHALT RECONSTRUCTION  
STA. 2+50 TO STA. 3+88.18

CITY DRAWING NUMBER  
SHEET 16 OF 17

BID NO.  
260-2016

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

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

Mar 15, 2016 - 12:01pm  
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