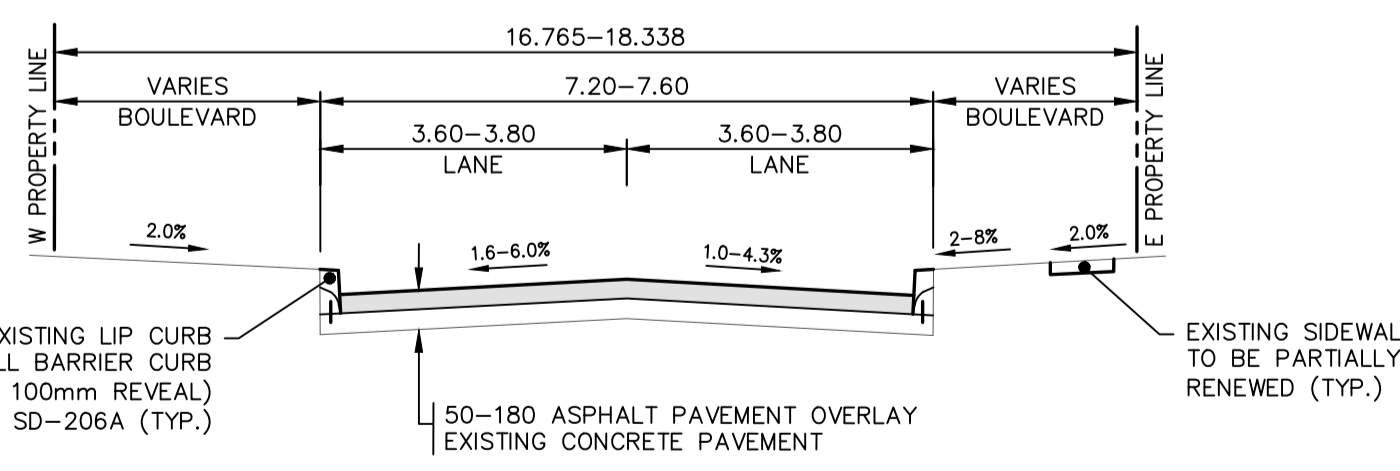


NOTE:
These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

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	---	---	GLASS GRID	---	---	---	---
---	LEGEND-PLAN	---	---	LEGEND-PLAN	---	---	---	---



TYPICAL CROSS-SECTION
NTS

- 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.
 - 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.
 - PLACE NEW ASPHALTIC PAVEMENT OVERLAY (TYPE 1A, 80mm AVERAGE THICKNESS, TWO LIFTS)
 - RENEW CURB AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
 - CONSTRUCT NEW CURB RAMP (SD-229A), AS REQUIRED.
 - 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.
 - BOULEVARD RESTORATION TO BE SOD UNLESS OTHERWISE NOTED.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APGM
Certificate of Authorization
MMM Group Limited
No. 4531

LOCATIONS APPROVED UNDERGROUND STRUCTURES

SIGNED BY: _____ DATE: _____

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 U/G 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
DATE: 15-Mar-16

MM Group Limited
Suite 111 - 93 Lombard Ave
Winnipeg, MB R3B 3B1
t: 204 943 3178
f: 204 943 4948
www.mmgrouplimited.com

ENGINEER'S SEAL

V.M. MAROTI
Member
30809
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.
5515115-C-08

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 LOCAL STREET RENEWAL PROGRAM
PENNEFATHER STREET
HEADMASTER ROW TO BONNER AVENUE
PAVEMENT REHABILITATION
STA. 0+93.95 TO STA. 1+90

CITY DRAWING NUMBER
SHEET 8 OF 17
BID NO.
260-2016

Mar 14, 2016 - 2:25pm
P:\5515115-2016 Local Streets package 16-R-03\MM Group Drawings\Construction drawings\Contract\5515115 - Pennefather Street C-08_C-09.dwg - tab C-08