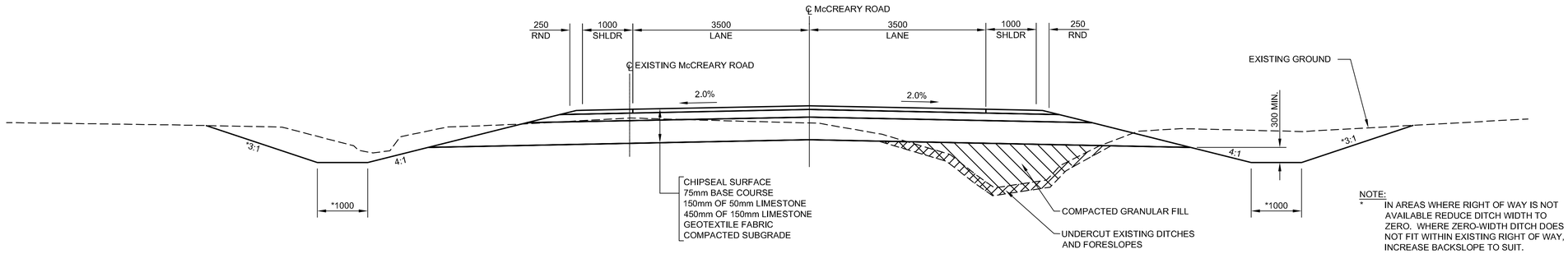

NOTE:
* IN AREAS WHERE RIGHT OF WAY IS NOT AVAILABLE REDUCE DITCH WIDTH TO ZERO. WHERE ZERO-WIDTH DITCH DOES NOT FIT WITHIN EXISTING RIGHT OF WAY, INCREASE BACKSLOPE TO SUIT.

McCREARY ROAD - TYPICAL CROSS SECTION

HORIZONTAL GEOMETRY - McCREARY ROAD

TANGENT TABLE - McCREARY ROAD

LINE	START STATION	END STATION	LENGTH (m)	DIRECTION (dd°mm'ss")	START NORTHING (m)	START EASTING (m)	END NORTHING (m)	END EASTING (m)
L100	0+580	1+184.408	604.408	N1°45'52"E	5519503.3670	627022.8375	5520107.4887	627041.4470
L200	1+250.6672	1+335.594	84.927	N4°55'41"E	5520173.6263	627045.3140	5520258.2390	627052.6095
L300	1+452.9312	1+868.980	416.048	N1°34'00"E	5520375.3711	627059.2552	5520791.2640	627070.6292
L400	1+880.9681	2+494.856	613.888	N1°47'44"E	5520803.2474	627070.9809	5521416.8335	627090.2156
L500	2+505.1716	2+998.527	493.356	N1°59'33"E	5521427.1438	627090.5565	5521920.2011	627107.7102
L600	2+999.3864	3+726.267	726.881	N2°00'32"E	5521921.0598	627107.7402	5522647.4940	627133.2214
L700	3+752.2118	3+972.579	220.367	N1°24'52"E	5522673.4267	627133.9963	5522893.7269	627139.4356

CURVE TABLE - McCREARY ROAD

CURVE	START STATION	END STATION	RADIUS (m)	LENGTH (m)	CHORD LENGTH (m)	CHORD DIRECTION (dd°mm'ss")	DELTA (dd°mm'ss")	START NORTHING (m)	START EASTING (m)	END NORTHING (m)	END EASTING (m)
C100	1+184.408	1+250.667	1200	66.259	66.251	N3°20'46"E	3°09'49"	5520107.4887	627041.4470	5520173.6263	627045.3140
C200	1+335.594	1+452.931	2000	117.337	117.320	N3°14'50"E	3°21'41"	5520258.2390	627052.6095	5520375.3711	627059.2552
C300	1+868.980	1+880.968	3000	11.988	11.988	N1°40'52"E	0°13'44"	5520791.2640	627070.6292	5520803.2474	627070.9809
C400	2+494.856	2+505.172	3000	10.316	10.316	N1°53'39"E	0°11'49"	5521416.8335	627090.2156	5521427.1438	627090.5565
C500	2+998.527	2+999.386	3000	0.859	0.859	N2°00'03"E	0°00'59"	5521920.2011	627107.7102	5521921.0598	627107.7402
C600	3+726.267	3+752.212	2500	25.944	25.944	N1°42'42"E	0°35'41"	5522647.4940	627133.2214	5522673.4267	627133.9963

CONSTRUCTION NOTES

1. REGRADE EXISTING DITCHES AS DIRECTED BY CONTRACT ADMINISTRATOR.
2. RENEW EXISTING APPROACHES AS DIRECTED BY CONTRACT ADMINISTRATOR.
3. NEW CULVERTS TO BE INSTALLED ON ALL DRIVEWAYS AS DIRECTED BY CONTRACT ADMINISTRATOR.
4. CHAINAGE ALONG CENTRELINE OF NEW ROAD

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES.

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 06/05/09

EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED
150 mm W.M.	WATER MAIN	150 mm W.M.		HYDRO		150 mm W.M.	WATERMAIN	150 mm W.M.
	HYDRANT			M.T.S.			HYDRANT	
	VALVE			CONCRETE			VALVE	
300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.		ASPHALT		300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.		PLANING		250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
	MANHOLE			SIDEWALK			PROFILE	
	CATCH BASIN			PAVING STONES			NORTH/WEST GUTTER	
	CURB INLET			PARTIAL DEPTH REPAIR			SOUTH/EAST GUTTER	
	JUNCTIONS			PROPERTY LINE			NORTH/WEST T/LANE	
	CULVERT			SURVEY BAR			SOUTH/EAST T/LANE	
	GAS			PARAPLEGIC RAMP				

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____

NOTE:
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 WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
2.	ISSUED FOR ADDENDUM #1	JUNE 5/09	TJP
1.	RELEASED FOR TENDER	MAY 27/09	TJP

DESIGNED BY
DRAWN BY D.T.M.
CHECKED BY ORIGINAL SIGNED BY TARAN J. PETERS
APPROVED BY ORIGINAL SIGNED BY DAVID P. KRAHN
HOR. SCALE 1 : 50
VERTICAL 1 : 50
DATE MAY 27, 2009

DILLON CONSULTING

RELEASED FOR CONSTRUCTION ORIGINAL SIGNED BY KEN TURKO, 06/05/2009
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
T.J. PETERS
06/05/09
Member 22309
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NO.
08–9587

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2009 GRANULAR ROADWAY IMPROVEMENTS
McCREARY ROAD
TYPICAL CROSS SECTION
HORIZONTAL GEOMETRY INFORMATION

CITY DRAWING NUMBER
SHEET 7 OF 7

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