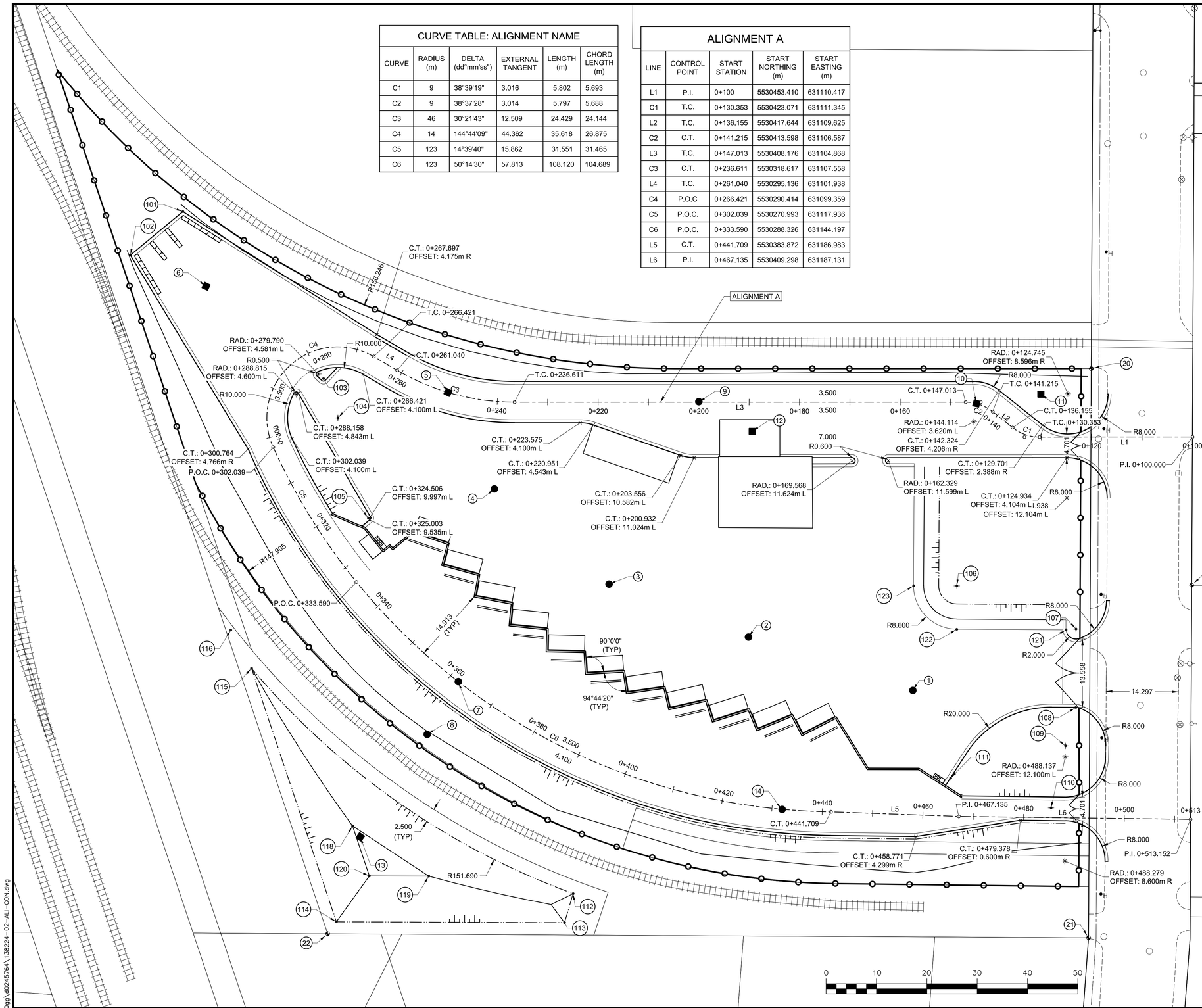
CURVE TABLE: ALIGNMENT NAME

CURVE	RADIUS (m)	DELTA (dd°mm'ss")	EXTERNAL TANGENT	LENGTH (m)	CHORD LENGTH (m)
C1	9	38°39'19"	3.016	5.802	5.693
C2	9	38°37'28"	3.014	5.797	5.688
C3	46	30°21'43"	12.509	24.429	24.144
C4	14	144°44'09"	44.362	35.618	26.875
C5	123	14°39'40"	15.862	31.551	31.465
C6	123	50°14'30"	57.813	108.120	104.689

ALIGNMENT A

LINE	CONTROL POINT	START STATION	START NORTHING (m)	START EASTING (m)
L1	P.I.	0+100	5530453.410	631110.417
C1	T.C.	0+130.353	5530423.071	631111.345
L2	T.C.	0+136.155	5530417.644	631109.625
C2	C.T.	0+141.215	5530413.598	631106.587
L3	T.C.	0+147.013	5530408.176	631104.868
C3	C.T.	0+236.611	5530318.617	631107.558
L4	T.C.	0+261.040	5530295.136	631101.938
C4	P.O.C	0+266.421	5530290.414	631099.359
C5	P.O.C.	0+302.039	5530270.993	631117.936
C6	P.O.C.	0+333.590	5530288.326	631144.197
L5	C.T.	0+441.709	5530383.872	631186.983
L6	P.I.	0+467.135	5530409.298	631187.131



POINT TABLE

Point Number	NORTHING (m)	EASTING (m)	DESCRIPTION
1	5530399.4188	631162.4005	MH
2	5530366.4711	631152.7941	MH
3	5530338.4730	631143.1180	MH
4	5530315.1520	631124.8922	MH
5	5530305.3988	631105.9621	CB
6	5530256.7126	631086.4090	CB
7	5530309.1730	631163.4504	MH
8	5530303.2683	631174.0212	MH
9	5530355.2121	631106.4589	MH
10	5530410.3240	631105.0340	CB
11	5530423.0689	631102.8443	CB
12	5530365.9920	631111.9476	CB
13	5530290.6124	631194.7784	CB
14	5530374.0713	631186.7982	CB
20	5530432.9269	631097.4519	PL
101	5530251.6557	631071.7128	BOC
102	5530241.5003	631080.6893	BOC
103	5530280.5689	631104.0315	RAD
104	5530283.6559	631111.7341	RAD
105	5530290.2967	631131.4511	RAD
106	5530407.5293	631141.3735	RAD
107	5530431.4531	631149.2226	RAD
108	5530431.8827	631164.8097	PC
109	5530430.0535	631172.4843	RAD
110	5530427.5677	631184.8879	RAD
111	5530407.4324	631179.5881	BOC
112	5530333.2036	631204.7506	TOP
113	5530331.6640	631210.5535	TOP
114	5530286.3693	631211.7605	TOP
115	5530268.0119	631161.9600	TOP
116	5530263.6589	631154.4880	GR
118	5530289.0152	631192.6420	TOE
119	5530304.4433	631202.1533	TOE
120	5530292.6446	631202.4733	TOE
121	5530429.4489	631149.4614	PC
122	5530407.7653	631150.0054	PC
123	5530398.9660	631141.6135	PC

POINT TABLE

Point Number	NORTHING (m)	EASTING (m)	DESCRIPTION
20	5530432.9269	631097.4519	PL
21	5530435.7853	631210.4393	PL
22	5530284.7109	631214.1888	PL
23	5530454.1557	631139.8377	PL

COORDINATES ARE IN UTM NAD 83 ZONE 14N

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: MAR. 4, 2016

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM	MTS	M.T.S.	MTS	150 mm W.M.	WATERMAIN	150 mm W.M.
	HYDRANT			CONCRETE			HYDRANT	
	VALVE			ASPHALT			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		PLANING		300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS		SIDEWALK		250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
	MANHOLE			PAVING STONES			℄ PROFILE	
	CATCH BASIN			PROPERTY LINE			PVMT FLOW DIRECTION	
	TEST HOLES			SURVEY BAR				
	JUNCTIONS			CURB RAMP				
	CULVERT			DITCH				
100 GAS	GAS	100 GAS		SWALE				

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	16/03/14	ARR
1	ISSUED FOR TENDER	16/03/04	ARR

DESIGNED BY WPN
DRAWN BY GLG
CHECKED BY ARR
APPROVED BY ARR
HOR. SCALE 1:400
VERTICAL
DATE

DILLON CONSULTING

RELEASED FOR CONSTRUCTION
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
W.P. NAIRN
MAR 2, 2016
Member 34277
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
13-8224

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

4R WINNIPEG DEPOT
PACIFIC AVENUE

CITY DRAWING NUMBER
1-0851A-C0001-001

SHEET 2 OF 43

SITE GEOMETRY

CONSULTANT DRAWING NUMBER
C1

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