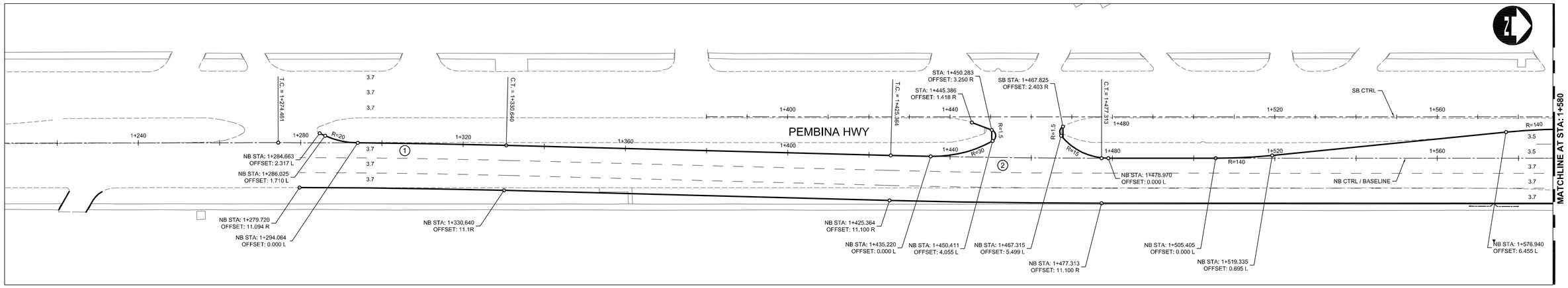

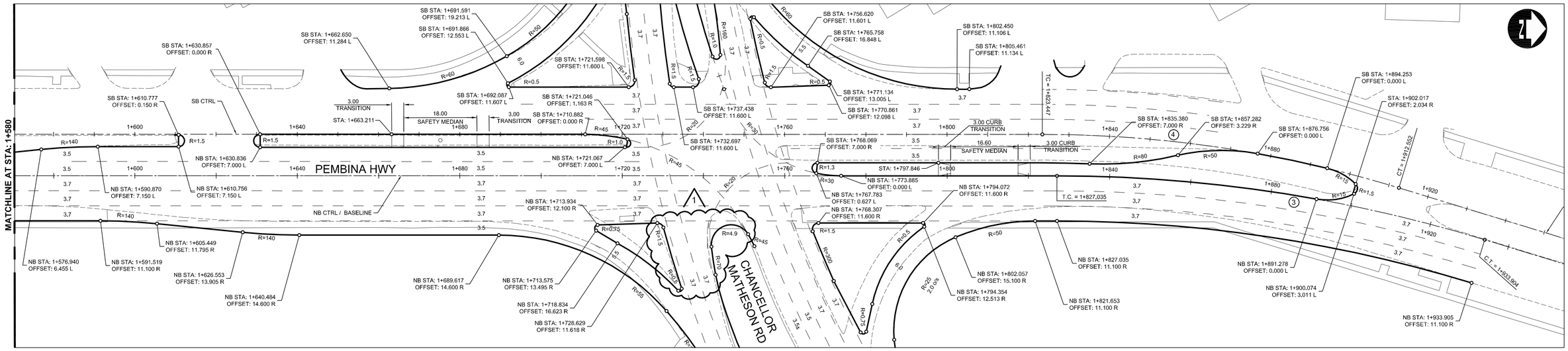

NORTHBOUND PEMBINA (NB) CONTROL LINE / BASELINE

CONTROL POINT	STATION	COORDINATES			CURVE DATA		
		NORTHING	EASTING	PARA METER	1	2	3
P.O.T.	1+000	5517451.682	632617.378	R.	2000	2000.000	361.100
T.C.	1+274.461	5517726.143	632617.378	Δc	1°36'34"	1°29'18"	16°57'25"
C.T.	1+330.640	5517782.314	632618.167	Tc	28.091	25.976	53.828
T.C.	1+425.364	5517877.000	632620.828	L.	55.178	51.950	106.869
C.T.	1+477.313	5517928.943	632621.612	L.C.	55.177	51.948	106.479
T.C.	1+827.035	5518278.664	632622.352				
C.T.	1+933.904	5518383.946	632638.273				
P.O.T.	2+083.904	5518527.332	632682.325				

SOUTHBOUND PEMBINA (SB) CONTROL LINE

CONTROL POINT	STATION	COORDINATES			CURVE DATA
		NORTHING	EASTING	PARA METER	4
P.O.T.	1+300	5517831.630	632611.207	R.	300.000
T.C.	1+823.447	5518275.076	632612.144	Δc	17°01'04"
C.T.	1+912.552	5518362.849	632625.466	Tc	44.883
P.O.T.	2+003.767	5518450.013	632652.346	L.	89.105
				L.C.	88.778

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.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
	HYDRANT		MTS	M.T.S.	MTS		HYDRANT	
	VALVE			CONCRETE			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT		300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS		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	
100 GAS	GAS	100 GAS		CURB 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. 654271 N 5517192.470 E 632610.651
ELEV. 233.084

NO.	REVISIONS	DATE	BY
2	ISSUED FOR ADDENDUM #1	11/07/04	JNC
1	ISSUED FOR TENDER	11/06/23	JNC

DESIGNED BY RTP
DRAWN BY PMW
CHECKED BY JNC
APPROVED BY DPK
HOR. SCALE 1:500
VERTICAL
DATE 2011/06/23

DILLON CONSULTING

RELEASED FOR CONSTRUCTION
ORIGINAL SIGNED BY B. KIBBINS
DATE 11/06/23

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY J.N. CRANG 2011/06/23
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
11-4587

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

BISON DRIVE & PEMBINA HIGHWAY
INTERSECTION IMPROVEMENTS

CONTROL LINE GEOMETRY
PEMBINA HIGHWAY

CITY DRAWING NUMBER P-3327- 2
SHEET 2 OF 24
CONSULTANT DRAWING NUMBER

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