CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL BASES AS SHOWN.
2. INSTALL EQUIPMENT AS SHOWN.
3. CROSSING TIME FOR WEST CROSSWALK: 17 SECONDS.

PROJECT COORDINATION

1. COORDINATE WORK WITH (CA's NAME), (204) XXX–XXXX.

PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.

EQUIPMENT DISPLAY LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)

PEDESTRIAN HEAD WITH PCS
VEHICLE DETECTION AREA
TRAFFIC SIGNAL HEAD
12' LOW ARM (SHOWN FROM CENTRE) HIGH ARM (SHOWN FROM SIDE)
PEDESTRIAN CORRIDOR BOX
TRAFFIC SIGNAL POLE
APS SINGLE DIRECTION
PB PUSH BUTTON & DIRECTION (APB = AUDIBLE PB)
RED FLASHER
LUMINAIRE
RRFB (PHASE "A" OR "B")
WOOD POST
APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
ELECTRONIC DISPLAY
AMBER FLASHER (CIRCUIT "A" OR "B")
CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.	NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	10' SIGNAL		G	G					
	SOLAR UNIT								
2.	10' SIGNAL		G	G					
	SOLAR UNIT								

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)
ABANDONED — DISCONNECTED (LOOPS ONLY)

1 1/2" PE CONDUIT
2" PE CONDUIT
4" PVC CONDUIT
AERIAL / BURIED CABLE
CONDUIT STUB
BREAK-IN
SPLICE
SAW-CUT LOOPS
PREFORMED LOOPS
POLE BASE
WOOD POST
CONTROLLER BASE
PEDESTAL BASE
TERMINAL BASE
SERVICE BOX (PIT)
24" PRECAST PIT
30" PRECAST PIT
36" PRECAST PIT
REMOVAL

SIGNAL BASE BOLT SQUARE TYPES

BOLT SQUARE (B.S.) — DIA.

TYPE "A" - 8 1/8"
TYPE "B" - 6 3/4"
TYPE "C" - 8 1/8" SCREW TYPE
TYPE "D" - 12 3/4", 1 1/4" DIA. BOLTS, 24" DIA.
TYPE "OD" - 12 3/4", 1 1/4" DIA. BOLTS, 28" DIA.
TYPE "POD" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS, 28" DIA.
TYPE "E" - 9 9/16" SCREW TYPE
TYPE "F" - 9 9/16"
TYPE "G" - 8 1/8", 1 1/4" DIA. BOLTS, 89mm PROJ.
TYPE "GS" - 8 1/8", 1 1/4" DIA. BOLTS, 76mm PROJ.
TYPE "PG" - 8 1/8", PRECAST, 1 1/4" DIA. BOLTS
TYPE "H" - 9 7/8" SCREW TYPE
TYPE "I" - 7 3/4"
TYPE "J" - 10 5/8", 1 1/4" DIA. BOLTS
TYPE "K" - 10 5/8", PRECAST, 1 1/4" DIA. BOLTS
TYPE "L" - 6", 5/8" DIA. BOLTS
TYPE "PM" - 8 1/8", PRECAST, 5/8" DIA. BOLTS

INTERNAL REVIEW

		DATE	INITIALS
OPERATIONS:			
TIMINGS (INITIAL):	NEW TIMINGS?	DATE	INITIALS
TIMINGS (PRE-IFC):	NEW TIMINGS?	DATE	INITIALS
TMC:		DATE	INITIALS
STREET LIGHTING:		DATE	INITIALS
TRAFFIC MANAGEMENT:		DATE	INITIALS
FACILITIES PLANNING:		DATE	INITIALS

EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED
150 WM	WATERMAIN	150 WM		PROPERTY LINE		TELEPHONE	TELEPHONE	TELEPHONE
	HYDRANT			ROADWAY		COMMUNICATION	COMMUNICATION	COMMUNICATION
	VALVE			SIDEWALK			WOOD POLE	
300 SEWER	SEWER	300 SEWER		CURB & CURB RAMP			STREET LIGHT	
	MANHOLE			WARNING TILE			BANNER POLE	
	CATCH BASIN			SLOPE			RAILWAY POLE	
	CURB INLET			CULVERT			GUY-WIRE	
HYDRO	HYDRO	HYDRO		BUILDING			FENCE	
100 GAS	GAS	100 GAS		TREE			GUARDRAIL	

UNDERGROUND STRUCTURES

UNDERGROUND STRUCTURES ID — DATE (YYYY/MM/DD)

WATER & WASTE REVIEW ID

NOTE:
LOCATIONS 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.

CONSTRUCTION REVISIONS

NO.	REVISION	DATE (YYYY/MM/DD)	BY
A	ISSUED FOR INTERNAL REVIEW		

DESIGNED BY: R.S.
DRAWN BY: R.S.
CHECKED BY:
APPROVED BY:

ACCOUNTS:
WT PENDING

LIABILITY DISCLAIMER NOTICE:
THE DIGITAL INFORMATION PROVIDED FOR YOUR CONVENIENCE HEREIN IS FOR USE AT YOUR OWN RISK. THE CITY OF WINNIPEG, PUBLIC WORKS DEPARTMENT, SHALL ASSUME NO RESPONSIBILITY FOR THE INFORMATION AND IT SHOULD NOT BE CONSTRUED AS ASBUILT INFORMATION. THE INFORMATION SHOULD BE USED FOR PLANNING PURPOSES ONLY AND SHOULD BE VERIFIED BY SURVEY. THE DEPARTMENT SHALL NOT IN ANY WAY SUFFER ANY LIABILITY WHATSOEVER TO ANY PARTY FOR INJURY, LOSS OR DAMAGES SUFFERED BY SUCH PARTY ARISING FROM THEIR USE OF, OR RELIANCE UPON, THIS INFORMATION.

ENGINEER'S SEAL:

PRELIMINARY

NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

RAPID RECTANGULAR FLASHING BEACON
MOUNTAIN AVE. & RADFORD ST.

UNITS:
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER:
S-2143

V:\Traffic-Signals\01 Intersections\01 Pembina\Mountain & Radford S-2143\20 Design\Current Mountain & Radford S-2143.dwg