CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL BASES AS SHOWN.
2. INSTALL EQUIPMENT AS SHOWN. REMOVE JOINT USE POLE #E2.
3. CROSSING TIME FOR CROSSWALK: 17 SECONDS.

PROJECT COORDINATION

1. COORDINATE WORK WITH (CA's NAME), (204) XXX–XXXX.
2. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE REMOVAL OF JOINT USE POLE #E2 WITH DARREN TABAK, (204) 360–7521, dtabak@hydro.mb.ca.

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
EB APS SINGLE DIRECTION
PB PUSH BUTTON & DIRECTION (APB = AUDIBLE PB)
R RED FLASHER
LUMINAIRE
A RRFB (PHASE "A" OR "B")
WOOD POST
APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
ELECTRONIC DISPLAY
A B 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								
E2.	35' SIGNAL (TO BE REMOVED)		A	A					
E3.	HYDRO WOOD								
	SERVICE (TO BE REMOVED)								

INTERNAL REVIEW

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

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

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

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ENGINEER'S SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

RAPID RECTANGULAR FLASHING BEACON
MOUNTAIN AVE. & ROBERTSON ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1940

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