CONSTRUCTION NOTES:

PROJECT SCOPE

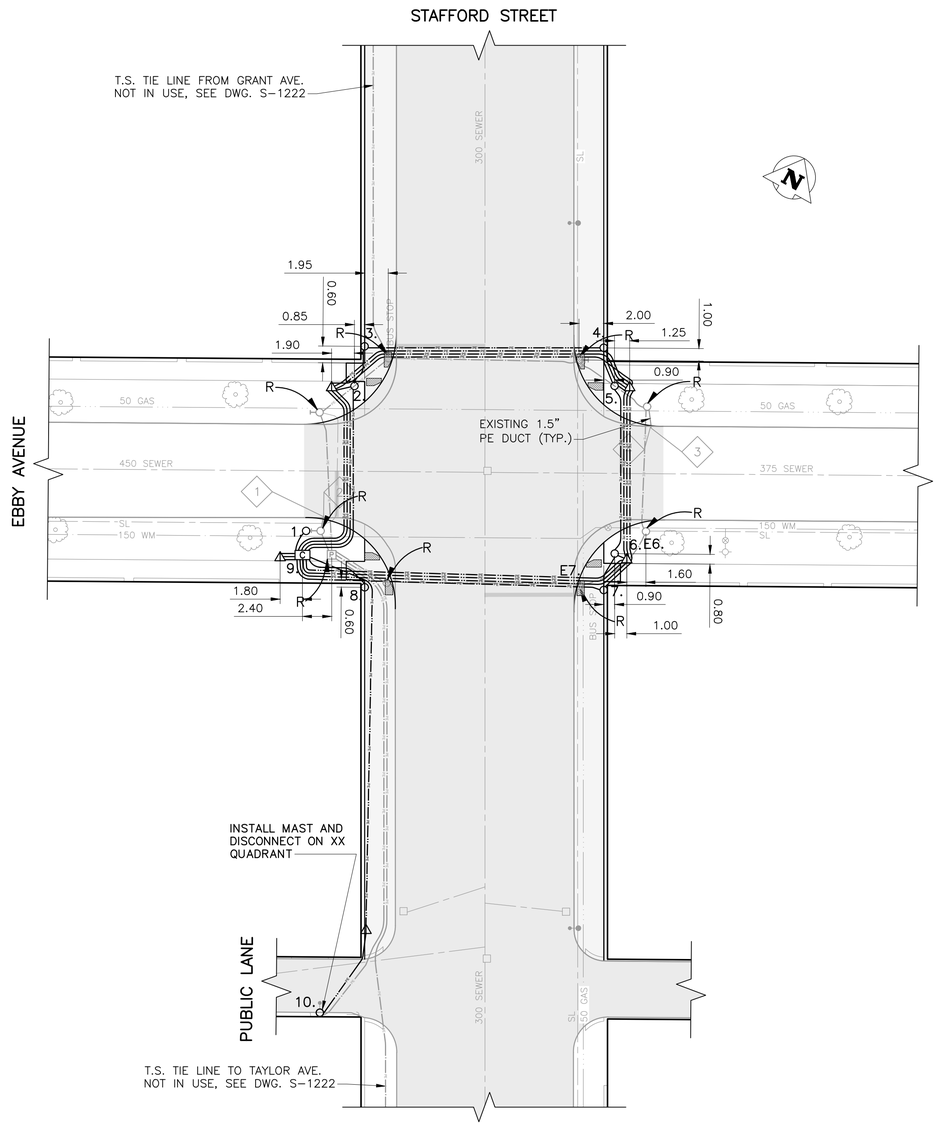
1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
2. INSTALL SERVICE AND GROUND ROD ON EXISTING WOOD POLE #10 AS SHOWN. INSTALL MAST AND DISCONNECT ON XX QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE. TOTAL LENGTH OF SERVICE CABLE: 50m.
3. INSTALL EQUIPMENT AS SHOWN. REMOVE JOINT USE POLES #E6 AND #E7.
4. TIMINGS REQUIRED.

PROJECT COORDINATION

1. COORDINATE WORK WITH (CA's NAME), (204) XXX–XXXX.
2. COORDINATE HYDRO SERVICE INSTALLATION WITH (HYDRO DESIGNER), (204) XXX–XXXX.
3. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE REMOVAL OF JOINT USE POLES #E6 AND #E7 WITH DARREN TABAK, (204) 360–7521, dtabak@hydro.mb.ca.

DETECTION CONNECTION DETAILS

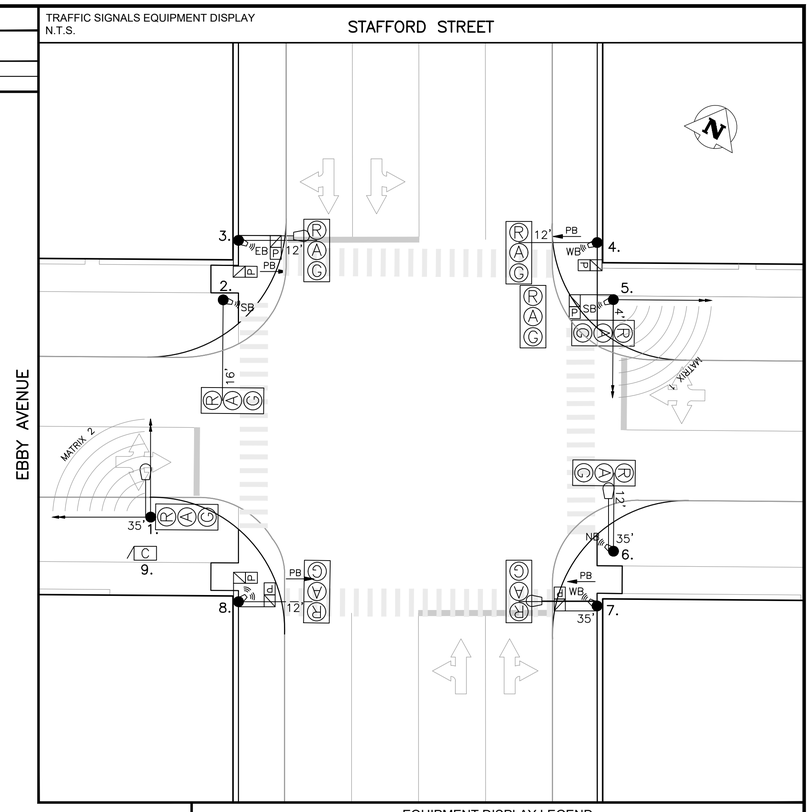
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	5	EB LANES	
MATRIX 2	1	WB LANES	



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

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	35' SIGNAL FOR 90 WATT (9000 LUMEN) LUMINAIRE		G	GD
2.	CANTILEVER	16'	OD	DC
3.	CANTILEVER	12'	OD	DC
4.	CANTILEVER	12'	G	GC
5.	CANTILEVER	4'	G	GC
6.	35' SIGNAL FOR 90 WATT (9000 LUMEN) LUMINAIRE	12'	OD	DC
7.	35' SIGNAL FOR 150 WATT (15000 LUMEN) LUMINAIRE	12'	G	GD
8.	CANTILEVER	8'	OD	DC
9.	332 CABINET/2070 CONTROLLER			
10.	HYDRO WOOD SERVICE:			
E1.	30' S.L. (TO BE REMOVED)			
E4.	35' SIGNAL (TO BE REMOVED)			

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING — ABANDONED
PROPOSED (AS SHOWN BELOW) — 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
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 "PD" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS
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
0	ISSUED FOR PRELIMINARY DEISGN		C.H.

DESIGNED BY: C.H.
DRAWN BY: C.H.
CHECKED BY:
APPROVED BY:

ACCOUNTS: PENDING

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ENGINEER'S SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
EBBY AVE. & STAFFORD ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1375

V:\Traffic Signals\01. Intersections\Ebby & Stafford S-1375\02. Design\Preliminary_Ebby & Stafford S-1375 (P-20210525.dwg