CONSTRUCTION NOTES:

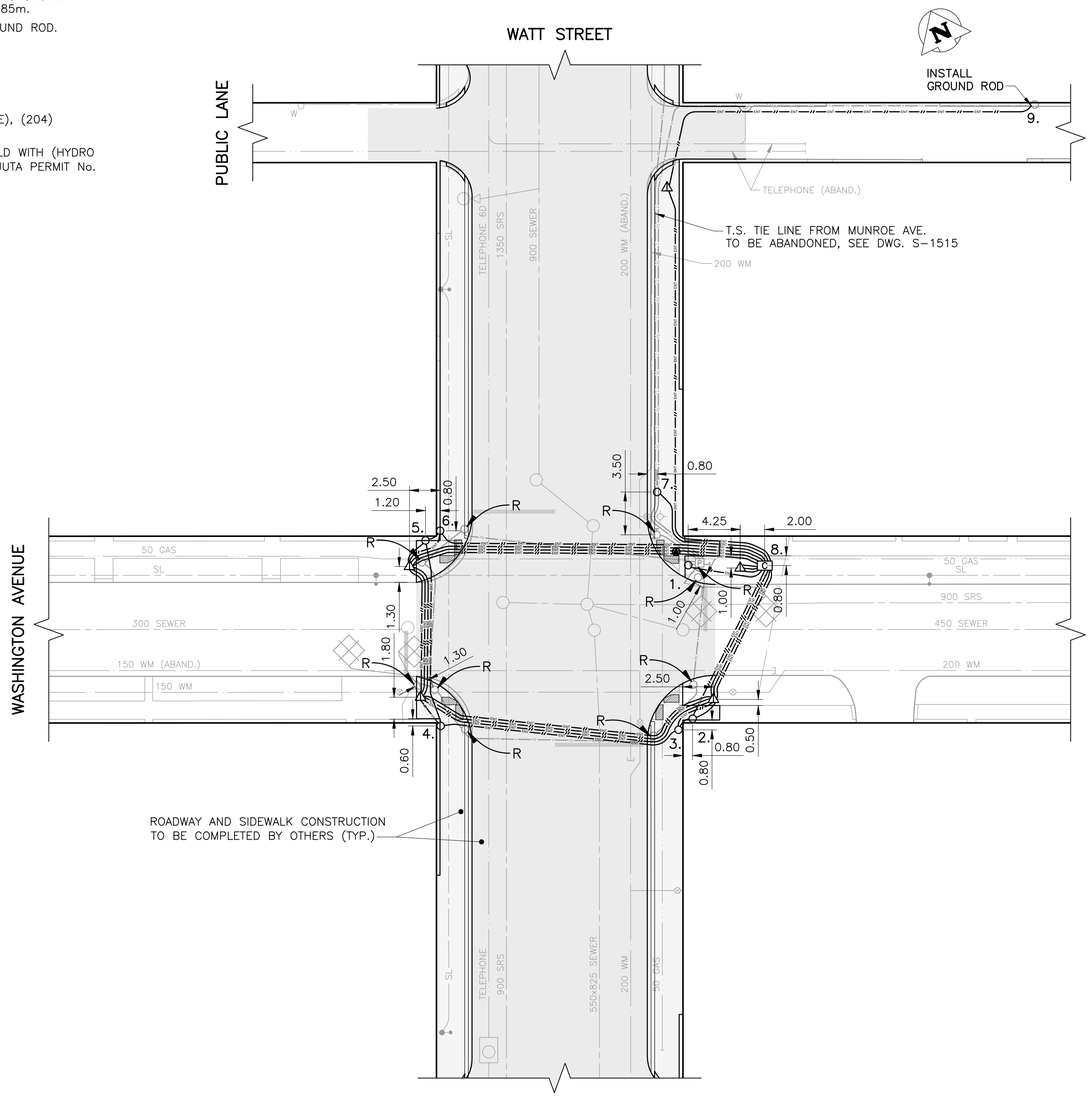
PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PITS AS SHOWN. TOTAL LENGTH OF SERVICE CABLE: 85m.
2. REBUILD SERVICE AND INSTALL GROUND ROD.
3. INSTALL EQUIPMENT AS SHOWN.
4. TIMINGS REQUIRED.

PROJECT COORDINATION

1. COORDINATE WORK WITH (CA's NAME), (204) XXX-XXXX.
2. COORDINATE HYDRO SERVICE REBUILD WITH (HYDRO DESIGNER), (204) XXX-XXXX. RE: JUTA PERMIT No. BXXXXX

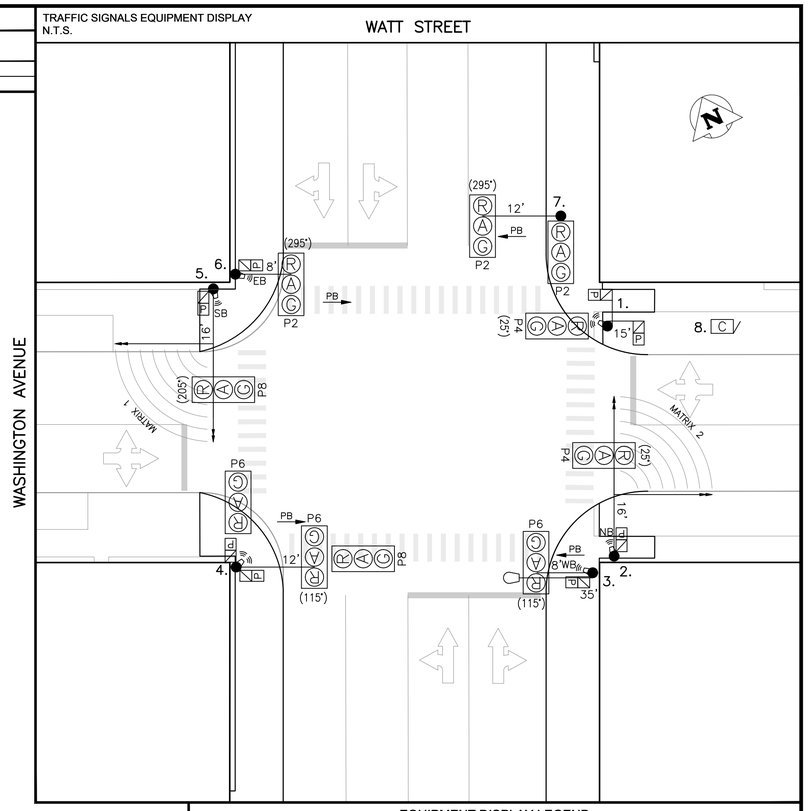
DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	6	EB LANE	
MATRIX 2	2	WB LANE	



PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.



EQUIPMENT DISPLAY LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)

- PEDESTRIAN HEAD
- PEDESTRIAN HEAD WITH PCS
- PEDESTRIAN CORRIDOR BOX
- VEHICLE DETECTION AREA
- PB — PUSH BUTTON & DIRECTION
- EB — APS SINGLE DIRECTION
- TRAFFIC SIGNAL HEAD
- TRAFFIC SIGNAL POLE
- RED FLASHER
- APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
- AMBER FLASHER (CIRCUIT "A" OR "B")
- LOW ARM (SHOWN FROM CENTRE) / HIGH ARM (SHOWN FROM SIDE) — 12'
- LUMINAIRE
- CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	15' SIGNAL		A	A
2.	CANTILEVER	16'	G	GC
3.	35' SIGNAL FOR 150 WATT LUMINAIRE	8'	OD	DD
4.	CANTILEVER	12'	OD	DC
5.	CANTILEVER	16'	OD	DC
6.	CANTILEVER	8'	OD	DC
7.	CANTILEVER	12'	OD	DC
8.	332 CABINET/2070 CONTROLLER			
9.	HYDRO WOOD SERVICE:			

NO.	EQUIPMENT LIST	ARM	BASE	B.B.

TRAFFIC SIGNALS UNDERGROUND LEGEND

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

- 1 1/2" PE CONDUIT
- 2" PE CONDUIT
- 2" ENT CONDUIT
- AERIAL / BURIED CABLE
- CONDUIT STUB
- BREAK-IN
- SPLICE
- SAW-CUT LOOPS
- PREFORMED LOOPS
- POLE BASE
- CONTROLLER BASE — C
- PEDESTAL BASE — P
- TERMINAL BASE — T
- SERVICE BOX (PIT)
- 24" PRECAST PIT
- 30" PRECAST PIT
- 36" PRECAST PIT
- REMOVAL — R

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 "DD" - 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 UGS APPROVAL	2020/02/27	R.S.

R.S. — DESIGNED BY
R.S. — DRAWN BY
C.H. — 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

TRAFFIC SIGNALS
WASHINGTON AVE. & WATT ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1486

V:\Traffic Signals\T Projects\Washington & Watt S-1486\Const_Washington & Watt S-1486.dwg