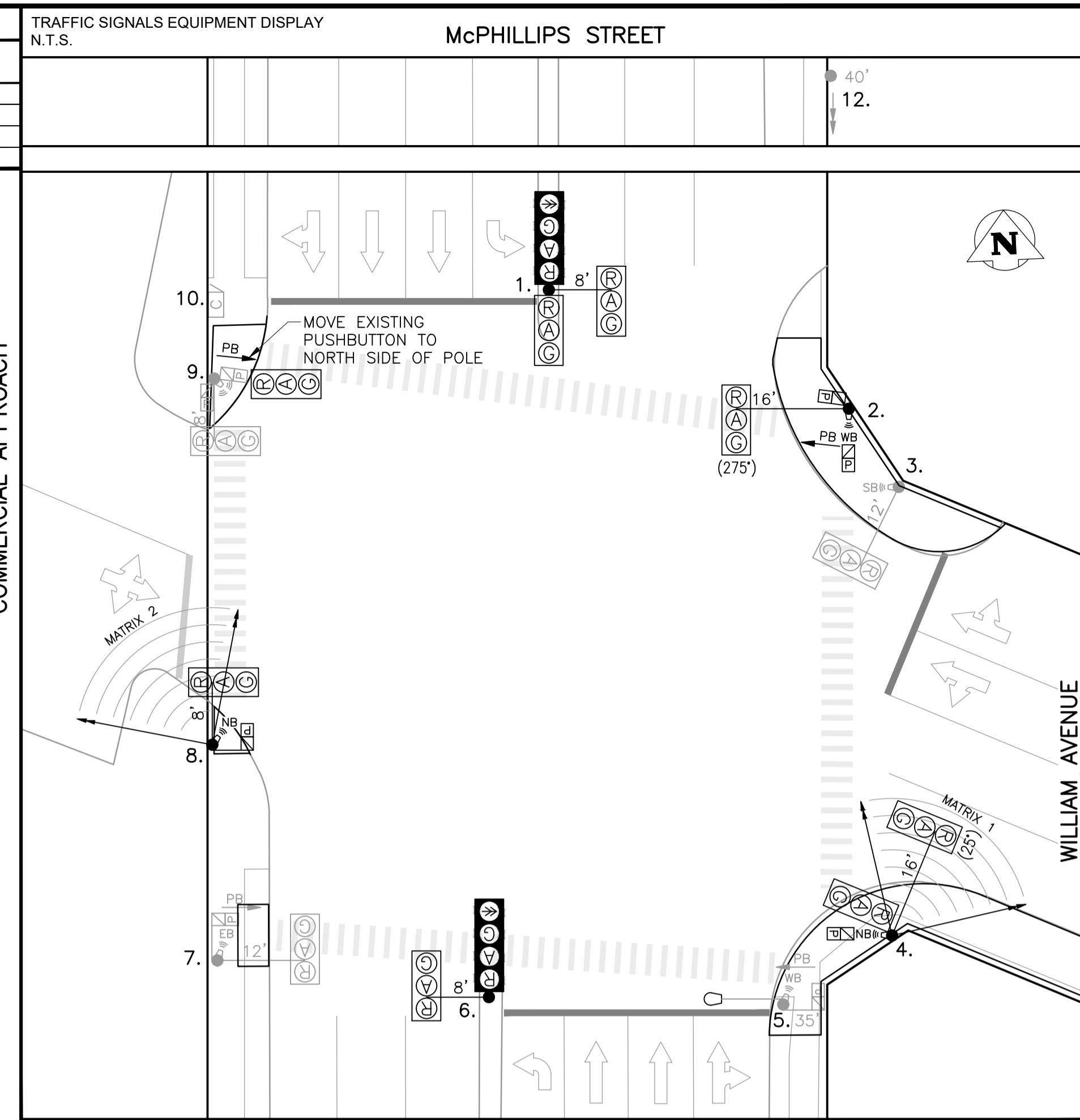


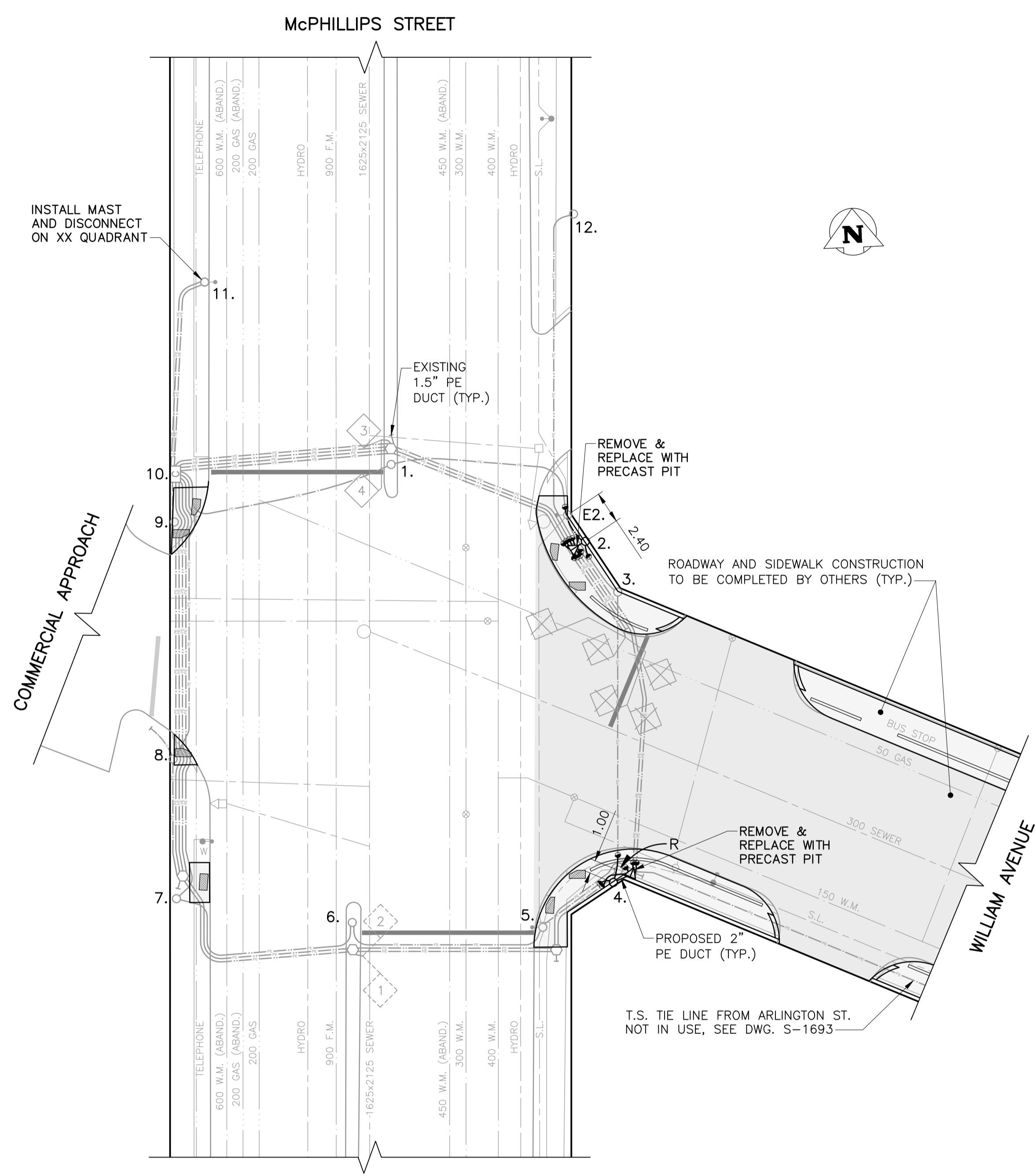
DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	4		
MATRIX 2	8		



**CONSTRUCTION NOTES:**

- PROJECT SCOPE**
1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
  2. REBUILD SERVICE AND INSTALL GROUND ROD ON WOOD POLE #11 AS SHOWN. INSTALL MAST AND DISCONNECT ON XX QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE.
  3. INSTALL EQUIPMENT AS SHOWN. REMOVE SIGNALS EQUIPMENT FROM JOINT USE POLE #E2.
  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. RE: JUTA PERMIT No. BXXXXX
  3. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE REMOVAL OF SIGNALS EQUIPMENT FROM JOINT USE POLE #E2 WITH DARREN TABAK, (204) 360-7521, dtabak@hydro.mb.ca.
  4. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE REPLACEMENT OF LUMINAIRE ON JOINT USE POLE #5 WITH DARREN TABAK, (204) 360-7521, dtabak@hydro.mb.ca.



**EQUIPMENT DISPLAY LEGEND**

EXISTING	PROPOSED (AS SHOWN BELOW)	EXISTING	PROPOSED (AS SHOWN BELOW)

NO.	EQUIPMENT LIST	ARM	BASE	B.B.	NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	DAVIT	8'	B	BD	11.	HYDRO WOOD SERVICE:			
2.	DAVIT	16'	G	GD	12.	40' TOWER POLE FOLDING SOUTH		J	-
3.	DAVIT	12'	A	A	E2.	35' SIGNAL		A	A
4.	DAVIT	16'	G	GD					
5.	35' SIGNAL FOR XX WATT (XXXX LUMEN) LUMINAIRE		A	A					
6.	DAVIT	8'	A	AD					
7.	DAVIT	12'	A	A					
8.	DAVIT	8'	A	AD					
9.	DAVIT	8'	A	A					
10.	332 CABINET/170 CONTROLLER								

**INTERNAL REVIEW**

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

**PLAN VIEW: UNDERGROUND CONSTRUCTION**  
1:250

**TRAFFIC SIGNALS UNDERGROUND LEGEND**

EXISTING	PROPOSED (AS SHOWN BELOW)	DISCONNECTED (LOOPS ONLY)
1 1/2" PE CONDUIT	POLE BASE	CONTROLLER BASE
2" PE CONDUIT	PEDESTAL BASE	TERMINAL BASE
2" ENT CONDUIT	SERVICE BOX (PIT)	24" PRECAST PIT
AERIAL / BURIED CABLE	30" PRECAST PIT	36" PRECAST PIT
CONDUIT STUB	BREAK-IN	REMOVAL
SPICE	SAW-CUT LOOPS	
PERFORMED LOOPS		

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

**UNDERGROUND STRUCTURES**

UNDERGROUND STRUCTURES ID	DATE (YYYYMMDD)

**WATER & WASTE REVIEW ID**

NO.	REVISION	DATE (YYYYMMDD)	BY
A	ISSUED FOR INTERNAL REVIEW		

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 (YYYYMMDD)	BY

**ACCOUNTS:**

WT PENDING

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**ENGINEER'S SEAL:**

PRELIMINARY

NOT FOR CONSTRUCTION

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
TRANSPORTATION DIVISION

**TRAFFIC SIGNALS**  
McPHILLIPS ST. & WILLIAM AVE.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1172