

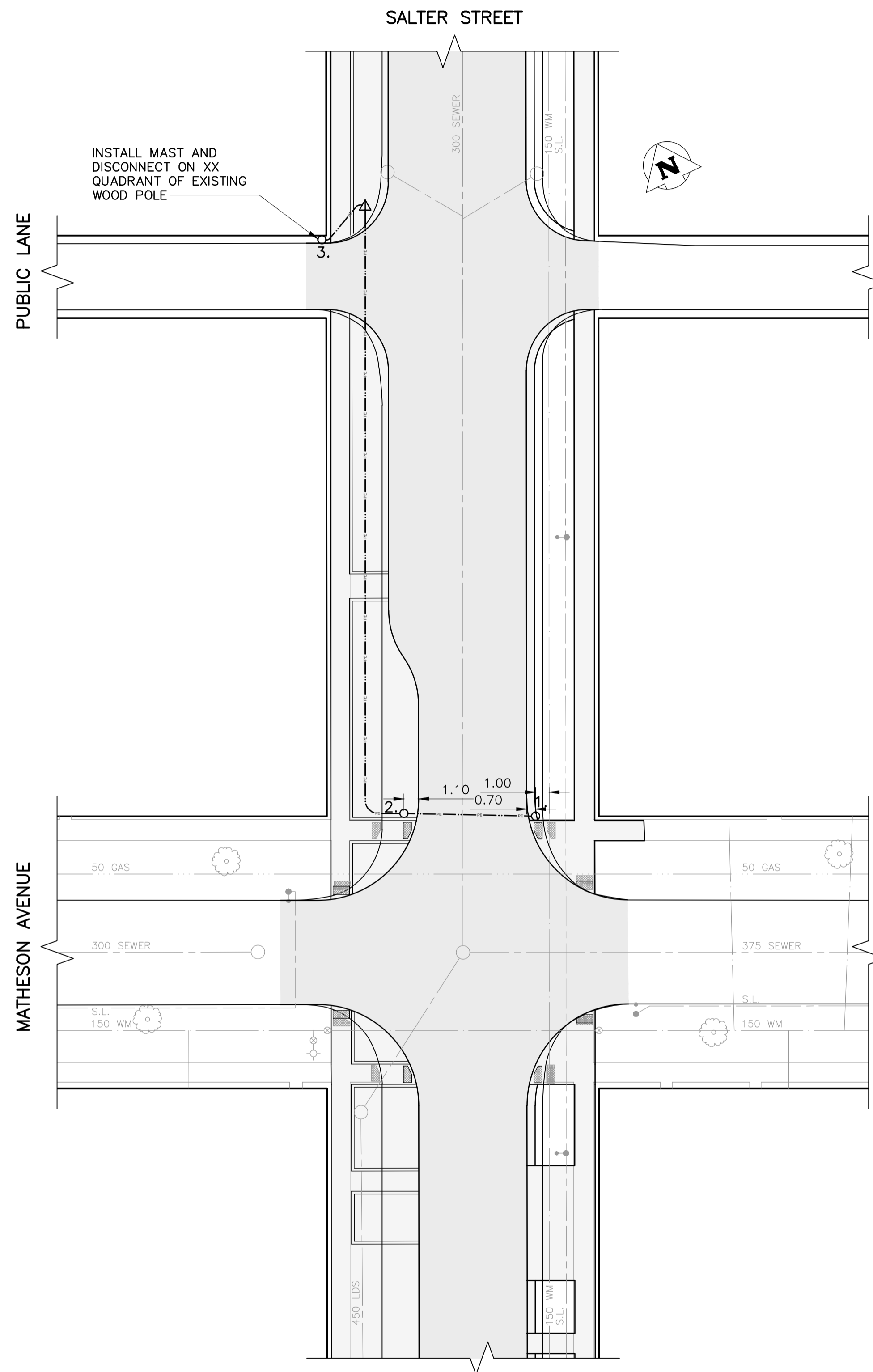
CONSTRUCTION NOTES:

PROJECT SCOPE

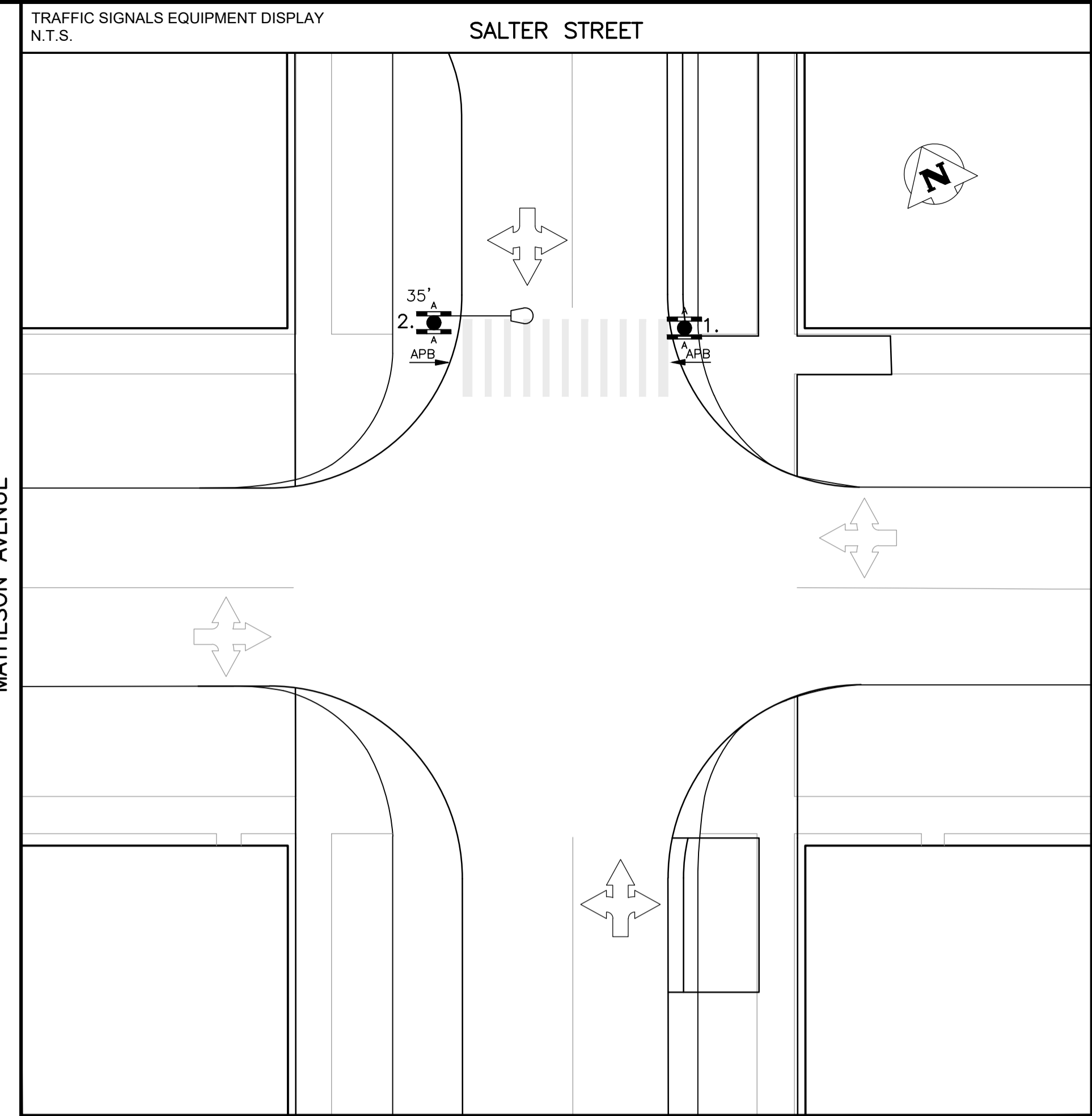
1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
2. INSTALL SERVICE AND GROUND ROD ON WOOD POLE #X AS SHOWN. TOTAL LENGTH OF SERVICE CABLE: 47m.
3. INSTALL EQUIPMENT AS SHOWN.
4. CROSSING TIME FOR CROSSWALK: 14 SECONDS.

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



PLAN VIEW: UNDERGROUND CONSTRUCTION
1:250



EQUIPMENT DISPLAY LEGEND

EXISTING	PROPOSED (AS SHOWN BELOW)	DESCRIPTION
		PEDESTRIAN HEAD WITH PCS
		PEDESTRIAN CORRIDOR BOX (CIRCUIT 10234)
		RRFB (PHASE 'A' OR 'B')
		VEHICLE DETECTION AREA
		TRAFFIC SIGNAL POLE
		WOOD POST
		TRAFFIC SIGNAL HEAD
		APS SINGLE DIRECTION
		APS DUAL DIRECTION (SEPARATE DISPLAYS)
		PUSH BUTTON & DIRECTION (APB = ALIDABLE PB)
		RED FLASHER
		LUMINAIRE
		AMBER FLASHER
		CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.	NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	10' SIGNAL		G	G					
2.	35' SIGNAL FOR 60 WATT (7000 LUMEN) LUMINAIRE		G	GD					
3.	HYDRO WOOD #XXXXXX SERVICE:								

TRAFFIC SIGNALS UNDERGROUND LEGEND

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

INTERNAL REVIEW

OPERATIONS:	DATE	INITIALS
LAB:	DATE	INITIALS
TIMINGS (INITIAL):	DATE	INITIALS
TIMINGS (PRE-IFC):	DATE	INITIALS
TMC:	DATE	INITIALS
UNDERGROUND CONSTRUCTABILITY:	DATE	INITIALS
STREET LIGHTING:	DATE	INITIALS
TRAFFIC MANAGEMENT:	DATE	INITIALS

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EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED
	WATERMAIN			ROADWAY			TELEPHONE	
	HYDRANT			SIDEWALK			WOOD POLE	
	SHUTOFF VALVE			CURB & CURB RAMP			STREET LIGHT	
	SEWER			WARNING TILE			BANNER POLE	
	MANHOLE			BUILDING			RAILWAY POLE	
	CATCH BASIN			TREE			GUY-WIRE	
	CURB INLET			GAS			FENCE	
	HYDRO			GAS			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	APPROVED BY
A	ISSUED FOR INTERNAL REVIEW	2023/01/24	A.B.	

ACCOUNTS:

DESIGNED BY: A.B.

DRAWN BY: A.B.

CHECKED BY: C.H.

APPROVED BY: _____

ENGINEER'S SEAL

PRELIMINARY

NOT FOR CONSTRUCTION

THE CITY OF WINNIPEG

Winnipeg

PUBLIC WORKS DEPARTMENT

TRANSPORTATION DIVISION

RECTANGULAR RAPID FLASHING BEACON
MATHESON AVE. & SALTER ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-2181