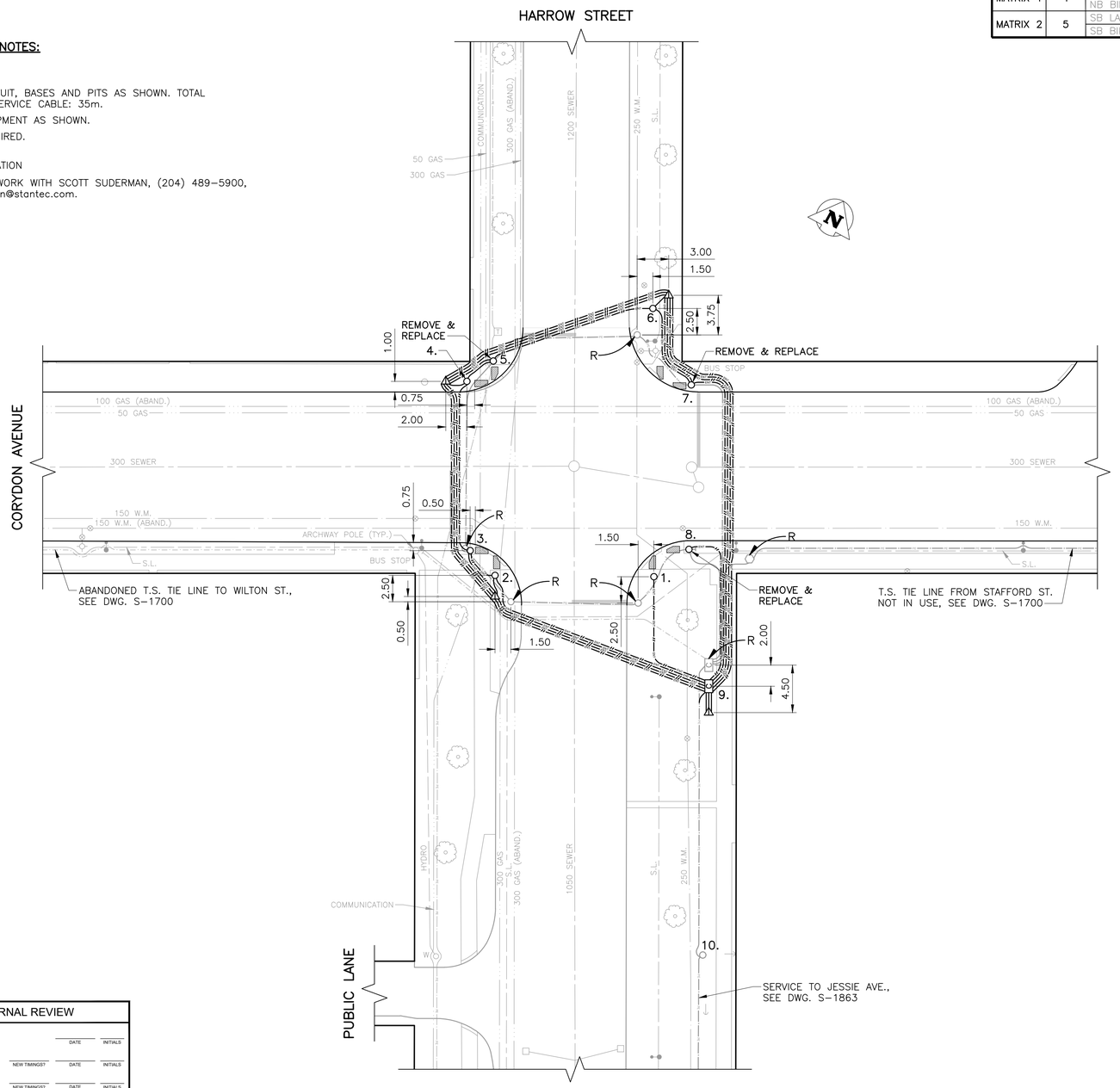
CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PITS AS SHOWN. TOTAL LENGTH OF SERVICE CABLE: 35m.
2. INSTALL EQUIPMENT AS SHOWN.
3. TIMINGS REQUIRED.

PROJECT COORDINATION

1. COORDINATE WORK WITH SCOTT SUDERMAN, (204) 489-5900, scott.suderman@stantec.com.

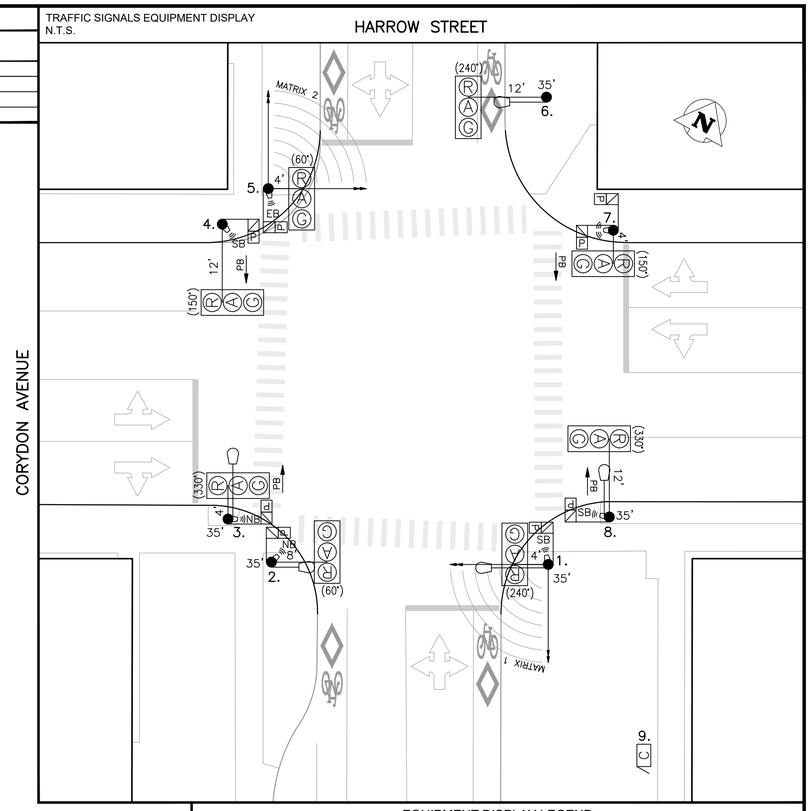


PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	1	NB LANE	
		NB BIKE LANE	
MATRIX 2	5	SB LANE	
		SB BIKE LANE	

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.



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

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
APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
12' LOW ARM (SHOWN FROM CENTRE) HIGH ARM (SHOWN FROM SIDE)
R RED FLASHER
A B AMBER FLASHER (CIRCUIT "A" OR "B")
LUMINAIRE
CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	35' SIGNAL FOR LUMINAIRE	4'	OD	DD
2.	35' SIGNAL FOR LUMINAIRE	8'	OD	DD
3.	35' SIGNAL FOR LUMINAIRE	4'	OD	DD
4.	CANTILEVER	12'	OD	DC
5.	CANTILEVER	4'	OD	DC
6.	CANTILEVER	12'	OD	DC
7.	CANTILEVER	4'	OD	DC
8.	35' SIGNAL FOR LUMINAIRE	12'	OD	DD
9.	332 CABINET/2070 CONTROLLER			
10.	HYDRO WOOD SERVICE: 1-BREAKER FOR INTERSECTION 1-BREAKER FOR S-1863			

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)
ABANDONED — 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
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
A	ISSUED FOR INTERNAL REVIEW	2020/01/30	J.S.

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

ACCOUNTS: PENDING

LIABILITY DISCLAIMER NOTICE:
THE DIGITAL INFORMATION PROVIDED FOR YOUR CONVENIENCE HEREIN IS FOR USE AT YOUR OWN RISK. THE CITY OF WINNIPEG, PUBLIC WORKS DEPARTMENT, SHALL ASSUME NO RESPONSIBILITY FOR THE INFORMATION AND IT SHOULD NOT BE CONSTRUED AS ASBUILT INFORMATION. THE INFORMATION SHOULD BE USED FOR PLANNING PURPOSES ONLY AND SHOULD BE VERIFIED BY SURVEY. THE DEPARTMENT SHALL NOT IN ANY WAY SUFFER ANY LIABILITY WHATSOEVER TO ANY PARTY FOR INJURY, LOSS OR DAMAGES SUFFERED BY SUCH PARTY ARISING FROM THEIR USE OF, OR RELIANCE UPON, THIS INFORMATION.

ENGINEER'S SEAL:

PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
CORYDON AVE. & HARROW ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1439

V:\Traffic Signals\ Projects\Corydon & Harrow S-1439\Corrent Corydon & Harrow S-1439.dwg