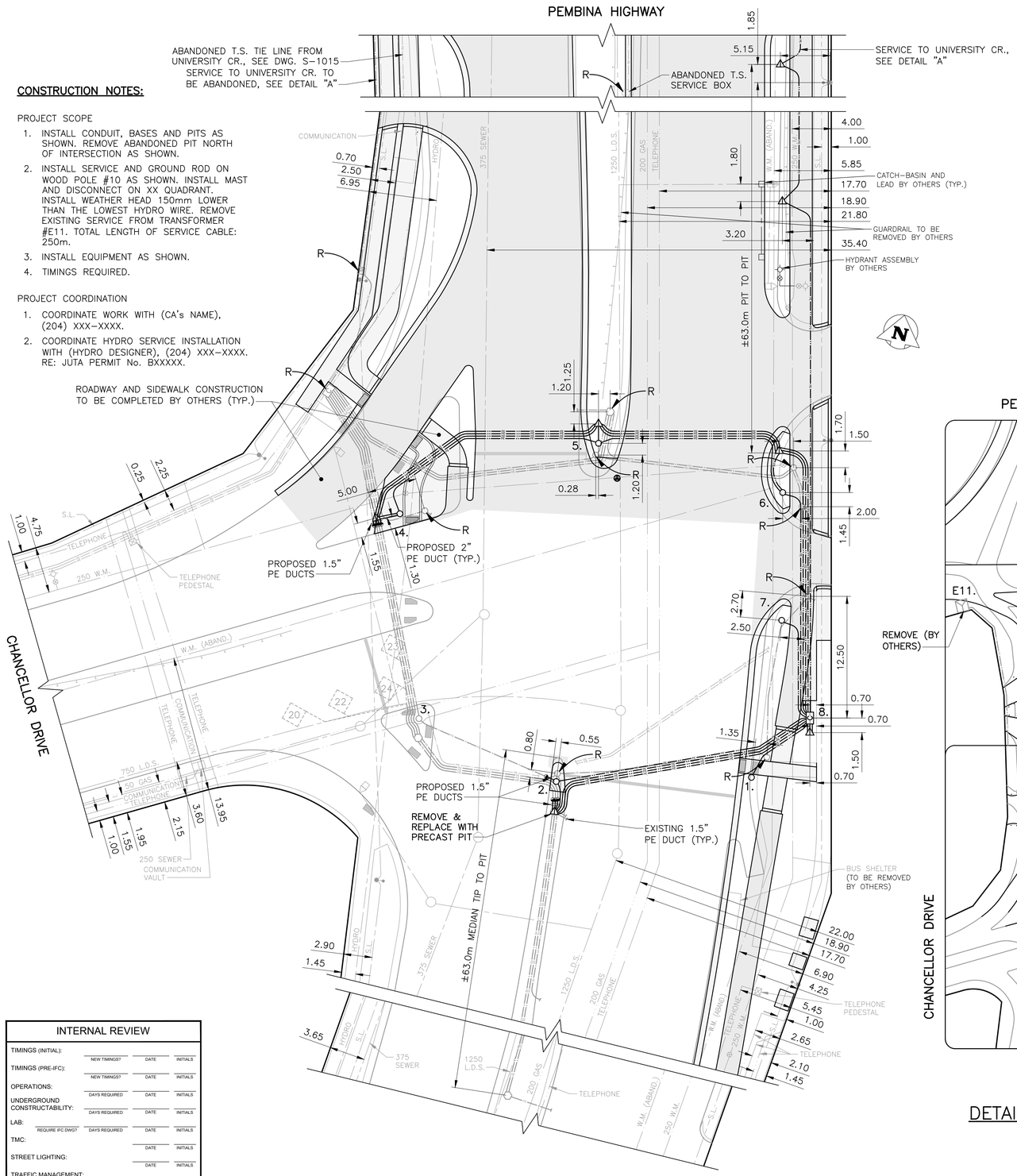
CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PITS AS SHOWN. REMOVE ABANDONED PIT NORTH OF INTERSECTION AS SHOWN.
2. INSTALL SERVICE AND GROUND ROD ON WOOD POLE #10 AS SHOWN. INSTALL MAST AND DISCONNECT ON XX QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE. REMOVE EXISTING SERVICE FROM TRANSFORMER #E11. TOTAL LENGTH OF SERVICE CABLE: 250m.
3. INSTALL EQUIPMENT AS SHOWN.
4. TIMINGS REQUIRED.

PROJECT COORDINATION

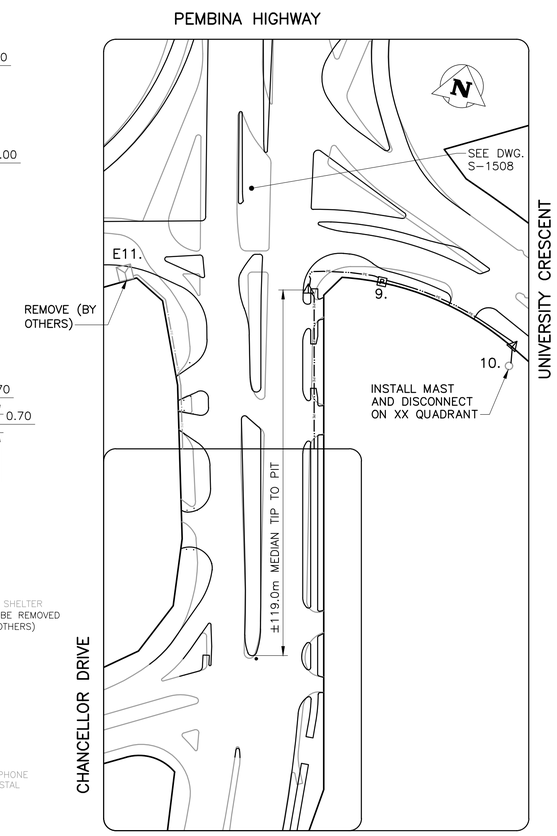
1. COORDINATE WORK WITH (CA's NAME), (204) XXX-XXXX.
2. COORDINATE HYDRO SERVICE INSTALLATION WITH (HYDRO DESIGNER), (204) XXX-XXXX. RE: JUTA PERMIT No. BXXXXX.



PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

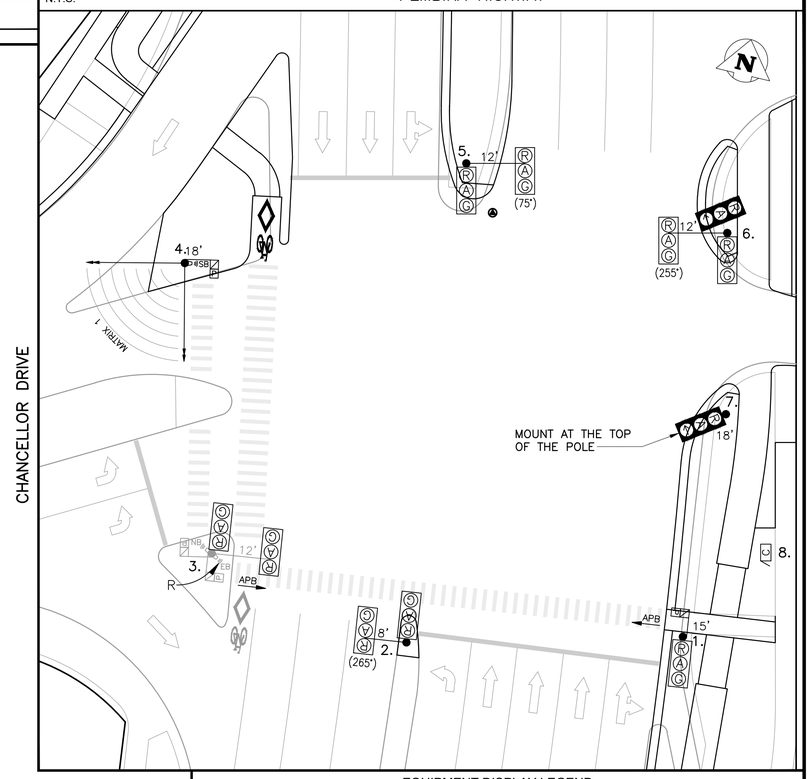
DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	4	EBL LANES	



DETAIL "A": SERVICE KEY PLAN

1:1000

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.



EQUIPMENT DISPLAY LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)

PEDESTRIAN HEAD WITH PCS; VEHICLE DETECTION AREA; TRAFFIC SIGNAL HEAD; 12' LOW ARM (SHOWN FROM CENTRE) HIGH ARM (SHOWN FROM SIDE); PEDESTRIAN CORRIDOR BOX; TRAFFIC SIGNAL POLE; APS SINGLE DIRECTION; PB PUSH BUTTON & DIRECTION (APB = AUDIBLE PB); RED FLASHER; LUMINAIRE; RRFB (PHASE "A" OR "B"); WOOD POST; APS DUAL DIRECTION (2 SEPARATE SPEAKERS); ELECTRONIC DISPLAY; AMBER FLASHER (1/2/34 = CIRCUIT NUMBER); CAMERA

NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	15' SIGNAL		G	G
2.	CANTILEVER	8'	OD	DC
3.	DAVIT	12'	A	A
4.	18' SIGNAL		G	G
5.	CANTILEVER	12'	OD	DC
6.	CANTILEVER	12'	OD	DC
7.	18' SIGNAL		G	G
8.	332 CABINET/2070 CONTROLLER			
9.	DISCONNECT PEDESTAL			
	1-BREAKER FOR INTERSECTION			
	1-BREAKER FOR S-1508			
10.	HYDRO WOOD #XXXXXX			
	SERVICE:			
E11.	HYDRO TRANSFORMER			
	SERVICE:			
	TO BE REMOVED BY OTHERS			

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING — PROPOSED (AS SHOWN BELOW)
ABANDONED — 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; 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.

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 "POD" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS, 28" DIA.
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 "M" - 8 1/8", 5/8" DIA. BOLTS
TYPE "PM" - 8 1/8", PRECAST, 5/8" DIA. BOLTS

INTERNAL REVIEW

TIMINGS (INITIAL):	NEW TIMINGS?	DATE	INITIALS	
TIMINGS (PRE-IFC):	NEW TIMINGS?	DATE	INITIALS	
OPERATIONS:	DAYS REQUIRED	DATE	INITIALS	
UNDERGROUND CONSTRUCTABILITY:	DAYS REQUIRED	DATE	INITIALS	
LAB:	REQUIRE IFC DWG? / DAYS REQUIRED	DATE	INITIALS	
TMC:		DATE	INITIALS	
STREET LIGHTING:		DATE	INITIALS	
TRAFFIC MANAGEMENT:		DATE	INITIALS	

EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED	EXISTING	LEGEND	PROPOSED
150 WM	WATERMAIN	150 WM		PROPERTY LINE		100 GAS	GAS	100 GAS
	HYDRANT			SURVEY MARKER		TELEPHONE	TELEPHONE	TELEPHONE
	VALVE			ROADWAY		COMMUNICATION	COMMUNICATION	COMMUNICATION
	SHUTOFF VALVE			SIDEWALK			WOOD POLE	
300 SEWER	SEWER	300 SEWER		CURB & CURB RAMP			STREET LIGHT	
	MANHOLE			WARNING TILE			RAILWAY POLE	
	CATCH BASIN			CULVERT			GUY-WIRE	
	CURB INLET			BUILDING			FENCE	
HYDRO	HYDRO	HYDRO		TREE			GUARDRAIL	

UNDERGROUND STRUCTURES

PENDING
UNDERGROUND STRUCTURES ID — DATE (YYYY/MM/DD)

PENDING
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	2025/03/21	R.S.

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

ACCOUNTS: WT PENDING

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PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
CHANCELLOR DR. & PEMBINA HWY.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1703

V:\Traffic\Signals\1 Intersections\Chancellor & Pembina & 4-70\2\02 Design\Preliminary\Chancellor & Pembina & 4-70\S-1703.dwg