

CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PITS AS SHOWN. REMOVE PIT NORTH OF INTERSECTION.
2. TOTAL LENGTH OF SERVICE CABLE: 190m.
3. INSTALL EQUIPMENT AS SHOWN.
4. TIMINGS REQUIRED.

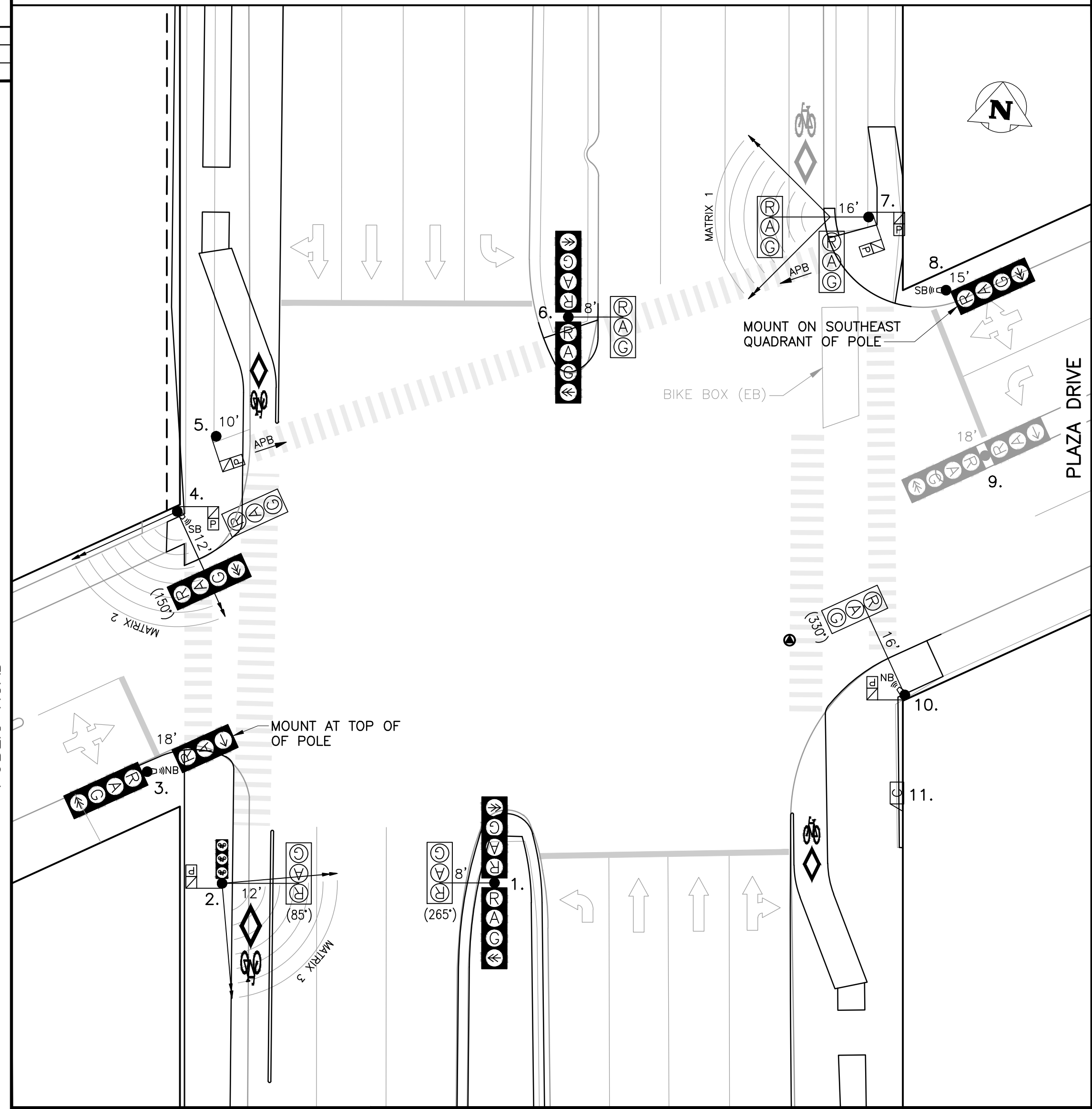
PROJECT COORDINATION

1. COORDINATE WORK WITH (CA's NAME), (204) XXX-XXXX.

DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	7	SBL LANE	
MATRIX 2	4	EB/EBL LANES	
MATRIX 3	2		

TRAFFIC SIGNALS EQUIPMENT DISPLAY:
N.T.S.

PEMBINA HIGHWAY



EQUIPMENT DISPLAY LEGEND

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

NO.	EQUIPMENT LIST	ARM	BASE	B.B.	NO.	EQUIPMENT LIST	ARM	BASE	B.B.
1.	CANTILEVER	8'	OD	DC	11.	332 CABINET/2070 CONTROLLER			
2.	CANTILEVER	12'	OD	DC	12.	DISCONNECT PEDESTAL			
3.	18" SIGNAL		G	G		SERVICE: FOR INTERSECTION			
4.	CANTILEVER	12'	OD	FIXED		SERVICE: FOR S-1621			
5.	10" SIGNAL		G	G					
6.	DAVIT	8'	A	AD					
7.	DAVIT	16'	A	AD					
8.	15" SIGNAL		G	G					
9.	18" SIGNAL		A	A					
10.	CANTILEVER	16'	OD	DC					

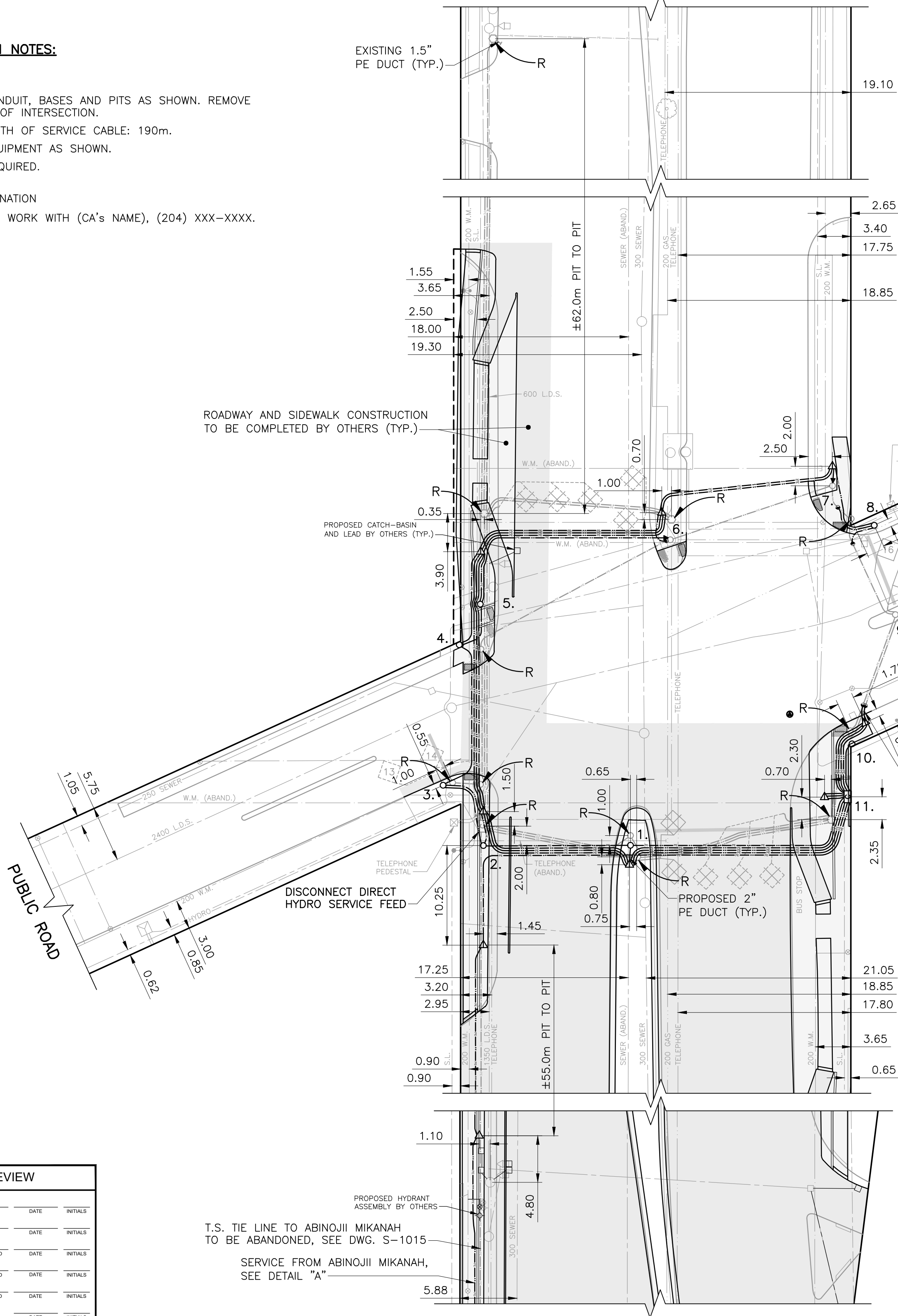
TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING	PROPOSED (AS SHOWN BELOW)	
		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

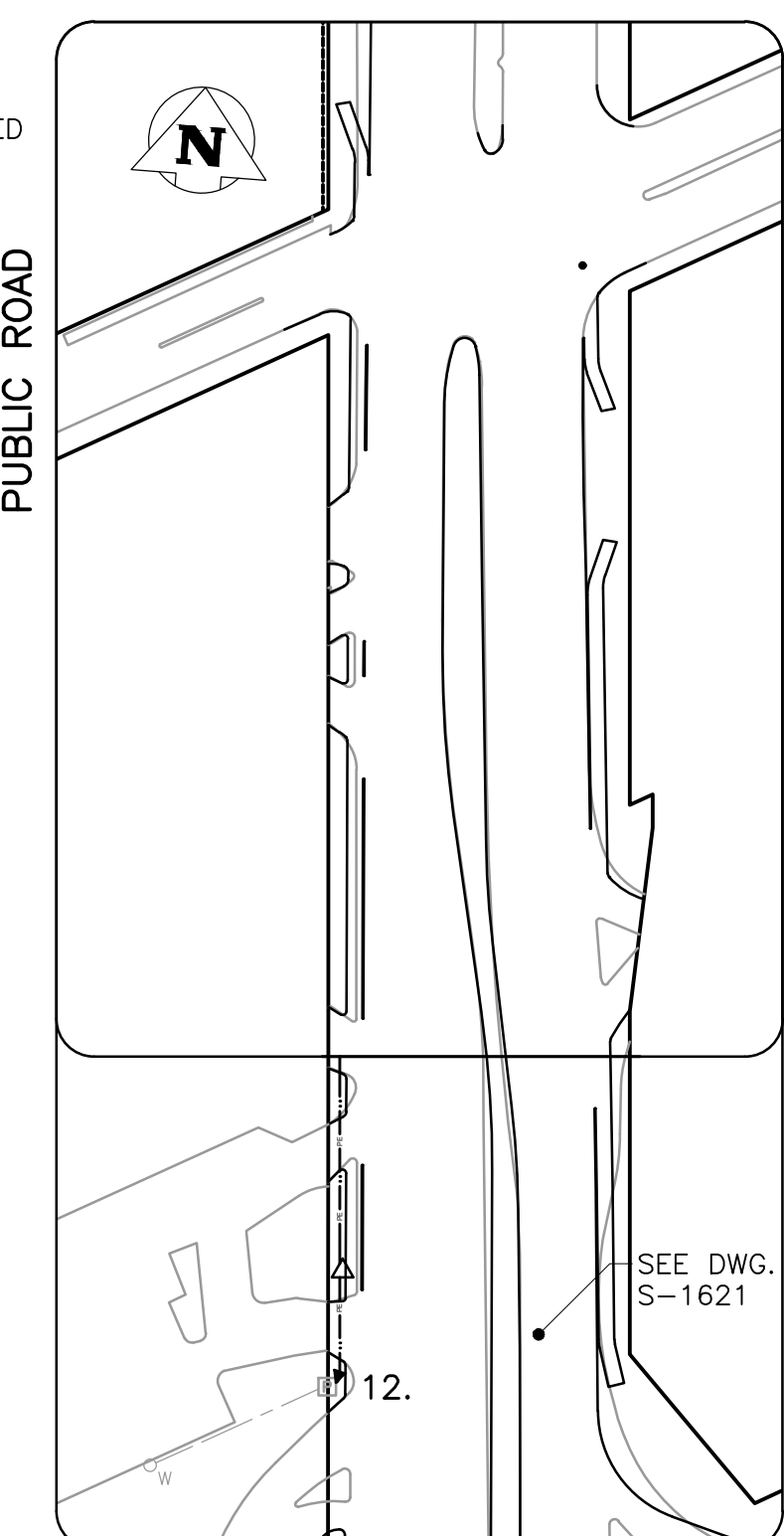
BOLT SQUARE (B.S.)	DIA.
TYPE "A" - 8 1/8"	
TYPE "B" - 6 3/4"	
TYPE "C" - 8 1/8" SCREW TYPE	
TYPE "D" - 12 3/4", 1 1/4" DIA. BOLTS, 24" DIA.	
TYPE "E" - 12 3/4", 1 1/4" DIA. BOLTS, 28" DIA.	
TYPE "F" - 12 3/4", PRECAST, 1 1/4" DIA. BOLTS, 28" DIA.	
TYPE "G" - 9 9/16" SCREW TYPE	
TYPE "H" - 8 1/8", 1 1/4" DIA. BOLTS, 89mm PROJ.	
TYPE "I" - 10 5/8", 1 1/4" DIA. BOLTS	
TYPE "J" - 10 5/8", PRECAST, 1 1/4" DIA. BOLTS	
TYPE "K" - 10 5/8", PRECAST, 1 1/4" DIA. BOLTS	
TYPE "L" - 5", 5/8" DIA. BOLTS	
TYPE "M" - 8 1/8", 5/8" DIA. BOLTS	
TYPE "PM" - 8 1/8", PRECAST, 5/8" DIA. BOLTS	

PEMBINA HIGHWAY



PLAN VIEW: UNDERGROUND CONSTRUCTION
1:300

PEMBINA HIGHWAY



DETAIL "A": SERVICE KEY PLAN
1:1000

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

T.S. TIE LINE TO ABINOJII MIKANAH
TO BE ABANDONED, SEE DWG. S-1015

SERVICE FROM ABINOJII MIKANAH,
SEE DETAIL "A"

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

UNDERGROUND STRUCTURES

PENDING

UNDERGROUND STRUCTURES ID

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	APPROVED BY
A	ISSUED FOR INTERNAL REVIEW	2025/03/21	R.S.	

ACCOUNTS:

WT PENDING

LIABILITY DISCLAIMER NOTICE:

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ENGINEER'S SEAL:

PRELIMINARY

NOT FOR CONSTRUCTION



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
PEMBINA HWY. & PLAZA DR.

UNITS:
ALL DIMENSIONS ARE IN METERS
UNLESS OTHERWISE NOTED

DRAWING NUMBER:
S-1219