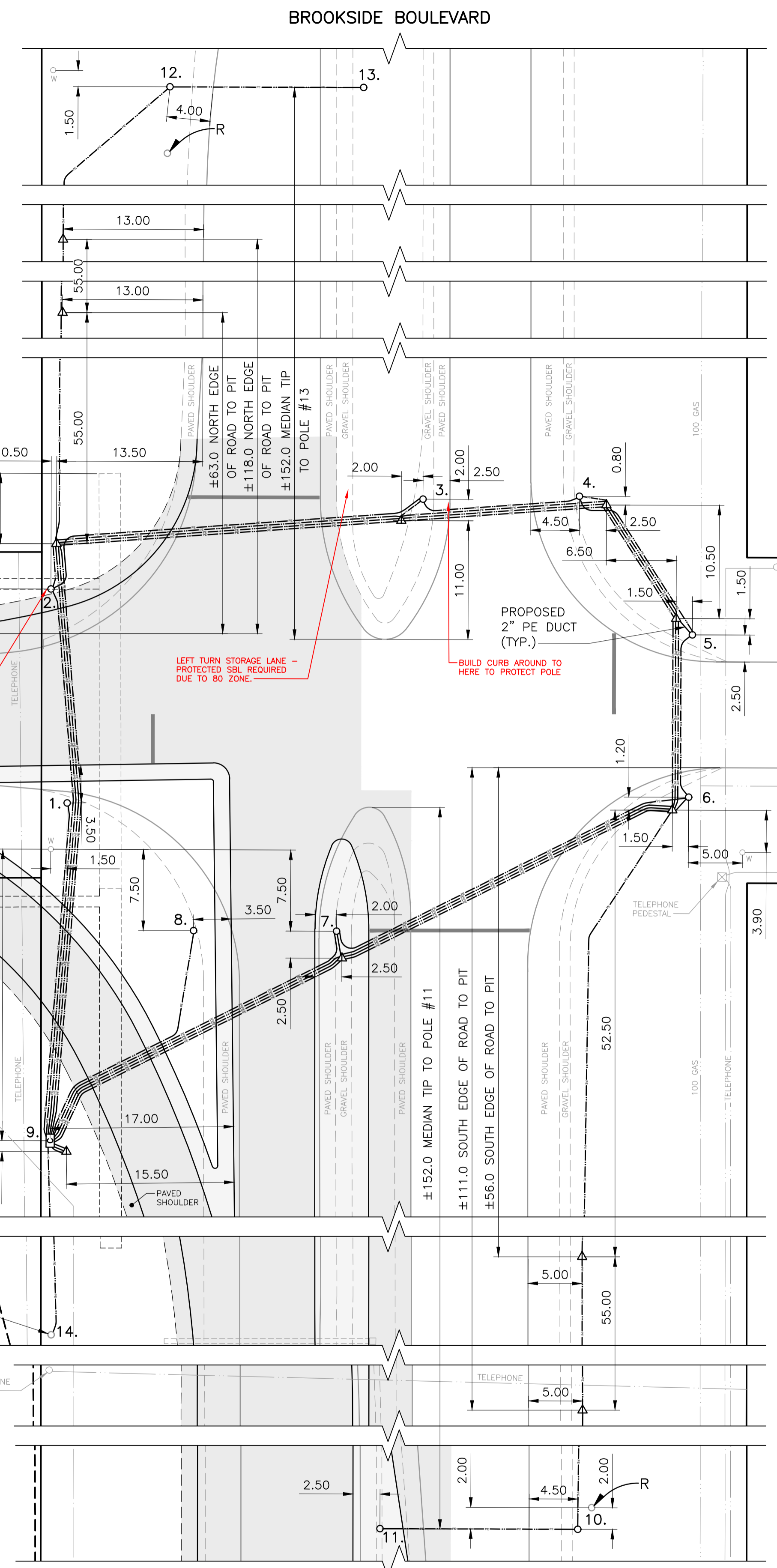


CONSTRUCTION NOTES:

- PROJECT SCOPE**
1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
 2. INSTALL SERVICE AND GROUND ROD ON WOOD POLE #14 AS SHOWN. INSTALL MAST AND DISCONNECT ON XX QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE. TOTAL LENGTH OF SERVICE CABLE: 40m.
 3. INSTALL EQUIPMENT AS SHOWN.
 4. TIMINGS REQUIRED.

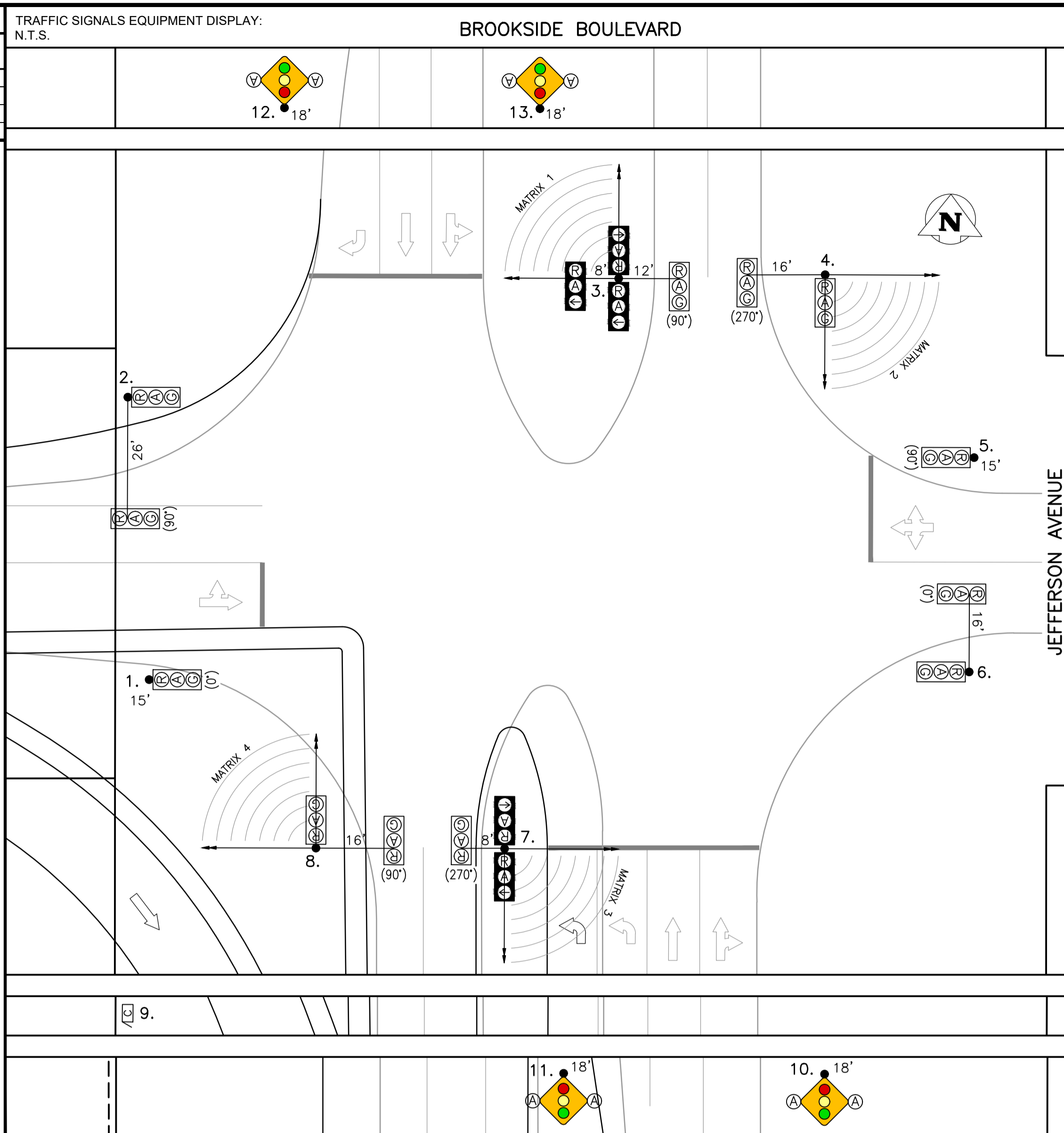
- PROJECT COORDINATION**
1. COORDINATE WORK WITH (CA'S NAME), (204) XXX-XXXX.
 2. COORDINATE HYDRO SERVICE INSTALLATION WITH (HYDRO DESIGNER), (204) XXX-XXXX. RE: JUTA PERMIT No. BXXXX



PLAN VIEW: UNDERGROUND CONSTRUCTION
1:300

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

DETECTION CONNECTION DETAILS			
SENSOR NO.	POLE NO.	DETECTION LOCATION	NOTES
MATRIX 1	3		
MATRIX 2	4		
MATRIX 3	7		
MATRIX 4	8		



EQUIPMENT DISPLAY LEGEND

EXISTING	PROPOSED (AS SHOWN BELOW)	
		PEDESTRIAN HEAD WITH PCS
		PEDESTRIAN CORRIDOR BOX
		RRFB (PHASE 'A' OR 'B')
		VEHICLE DETECTION AREA
		PUSH BUTTON & DIRECTION (APB - AUDIBLE PB)
		APS SINGLE DIRECTION
		APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
		TRAFFIC SIGNAL HEAD
		TRAFFIC SIGNAL POLE
		RED FLASHER
		AMBER FLASHER (CIRCUIT 'A' OR 'B')
		LUMINAIRE
		CAMERA
		LOW ARM (SHOWN FROM CENTRE)
		HIGH ARM (SHOWN FROM SIDE)

TRAFFIC SIGNALS UNDERGROUND LEGEND

EXISTING	PROPOSED (AS SHOWN BELOW)	DISCONNECTED (LOOPS ONLY)

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			TELEPHONE	
	VALVE			SIDEWALK			WOOD POLE	
	SEWER			CURBS & 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 (YYYY/MM/DD)

CONSTRUCTION REVISIONS	
NO.	REVISION
A	ISSUED FOR INTERNAL REVIEW

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

WT PENDING

PRELIMINARY

NOT FOR CONSTRUCTION

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
BROOKSIDE BLVD. &
FARMER RD./JEFFERSON AVE.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1980