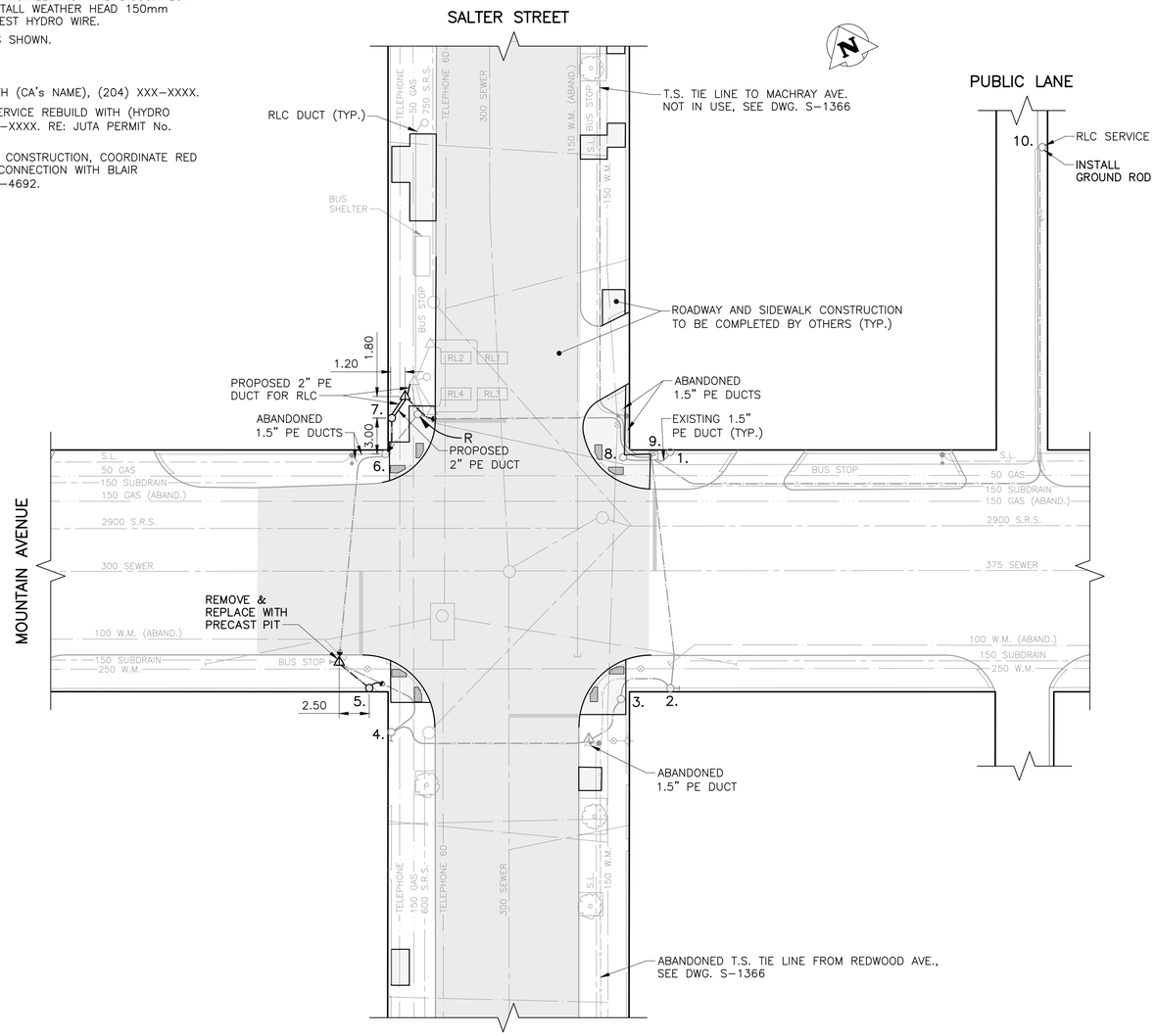
## CONSTRUCTION NOTES:

PROJECT SCOPE

1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
2. REBUILD SERVICE AND INSTALL 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.
3. INSTALL EQUIPMENT AS SHOWN.

PROJECT COORDINATION

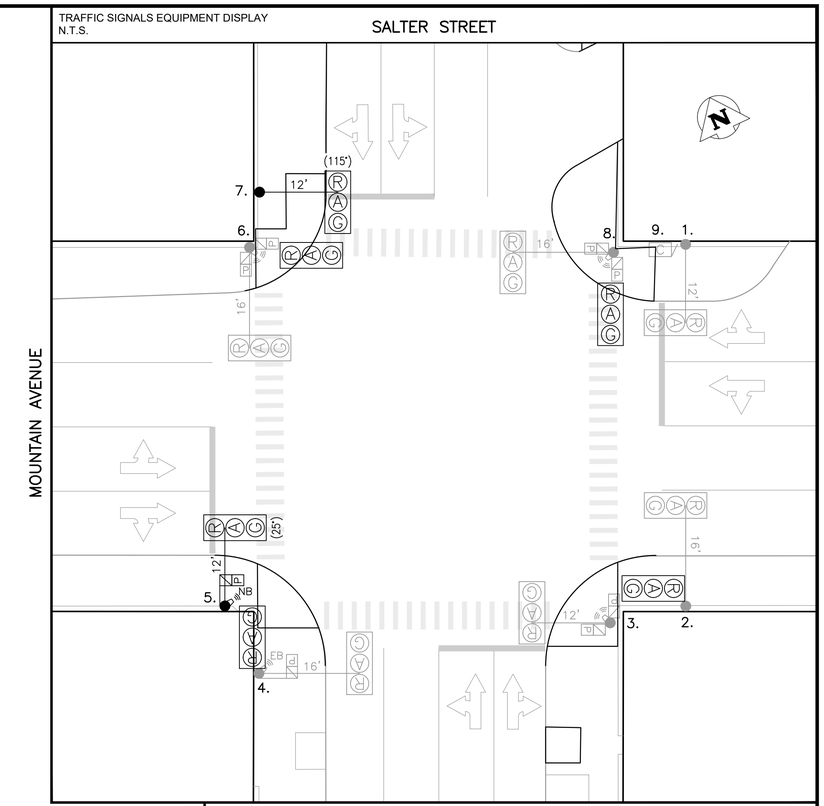
1. COORDINATE WORK WITH (CA's NAME), (204) XXX-XXXX.
2. COORDINATE HYDRO SERVICE REBUILD WITH (HYDRO DESIGNER), (204) XXX-XXXX. RE: JUTA PERMIT No. BXXXXX.
3. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE RED LIGHT CAMERA RELAY CONNECTION WITH BLAIR CHETWYND, (204) 488-4692.




## PLAN VIEW: UNDERGROUND CONSTRUCTION

1:250

TRAFFIC SIGNALS EQUIPMENT DISPLAY
N.T.S.




### 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 (GPB = GUARDIAN PB)
APS SINGLE DIRECTION
TRAFFIC SIGNAL HEAD
TRAFFIC SIGNAL POLE
APS DUAL DIRECTION (2 SEPARATE SPEAKERS)
LOW ARM (SHOWN FROM CENTRE) HIGH ARM (SHOWN FROM SIDE)
RED FLASHER
AMBER FLASHER (CIRCUIT "A" OR "B")
LUMINAIRE
CAMERA

| NO. | EQUIPMENT LIST | ARM | BASE | B.B. |
|---|---|---|---|---|
| 1. | DAVIT | 12' | A | AD |
| 2. | DAVIT | 16' | A | AD |
| 3. | DAVIT | 12' | OD | DD |
| 4. | DAVIT | 16' | A | AD |
| 5. | DAVIT | 12' | G | GD |
| 6. | DAVIT | 16' | G | AD |
| 7. | DAVIT | 12' | OD | DD |
| | RLC RELAY | | | |
| 8. | DAVIT | 16' | G | AD |
| 9. | 332 CABINET/170 CONTROLLER | | | |

| NO. | EQUIPMENT LIST | ARM | BASE | B.B. |
|---|---|---|---|---|
| 10. | HYDRO WOOD | | | |
| | SERVICE: | | | |

### 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 | | |

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

ACCOUNTS: WT PENDING

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ENGINEER'S SEAL:
PRELIMINARY
NOT FOR CONSTRUCTION

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
TRANSPORTATION DIVISION

TRAFFIC SIGNALS
MOUNTAIN AVE. & SALTER ST.

UNITS: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED

DRAWING NUMBER: S-1188

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