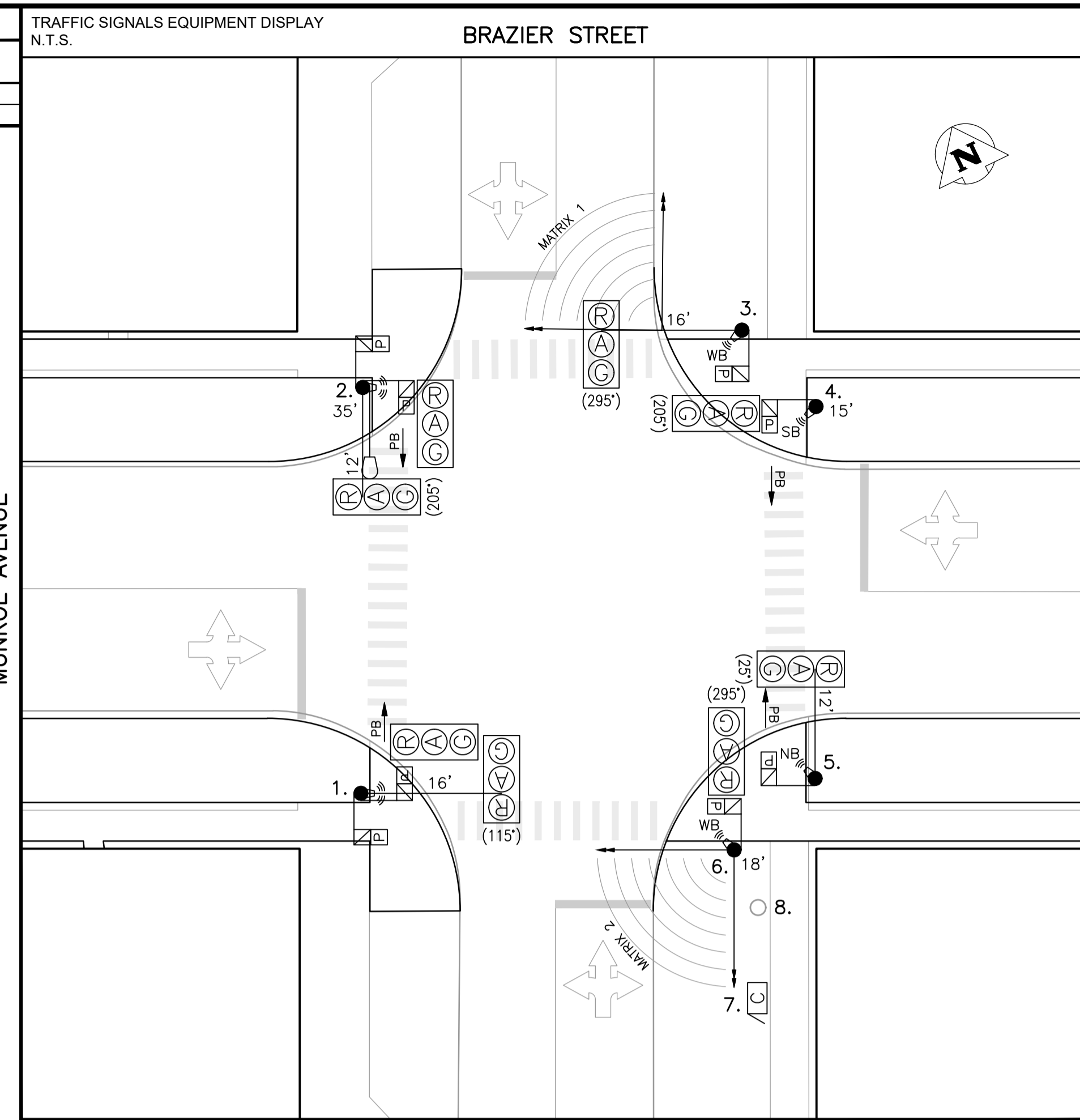


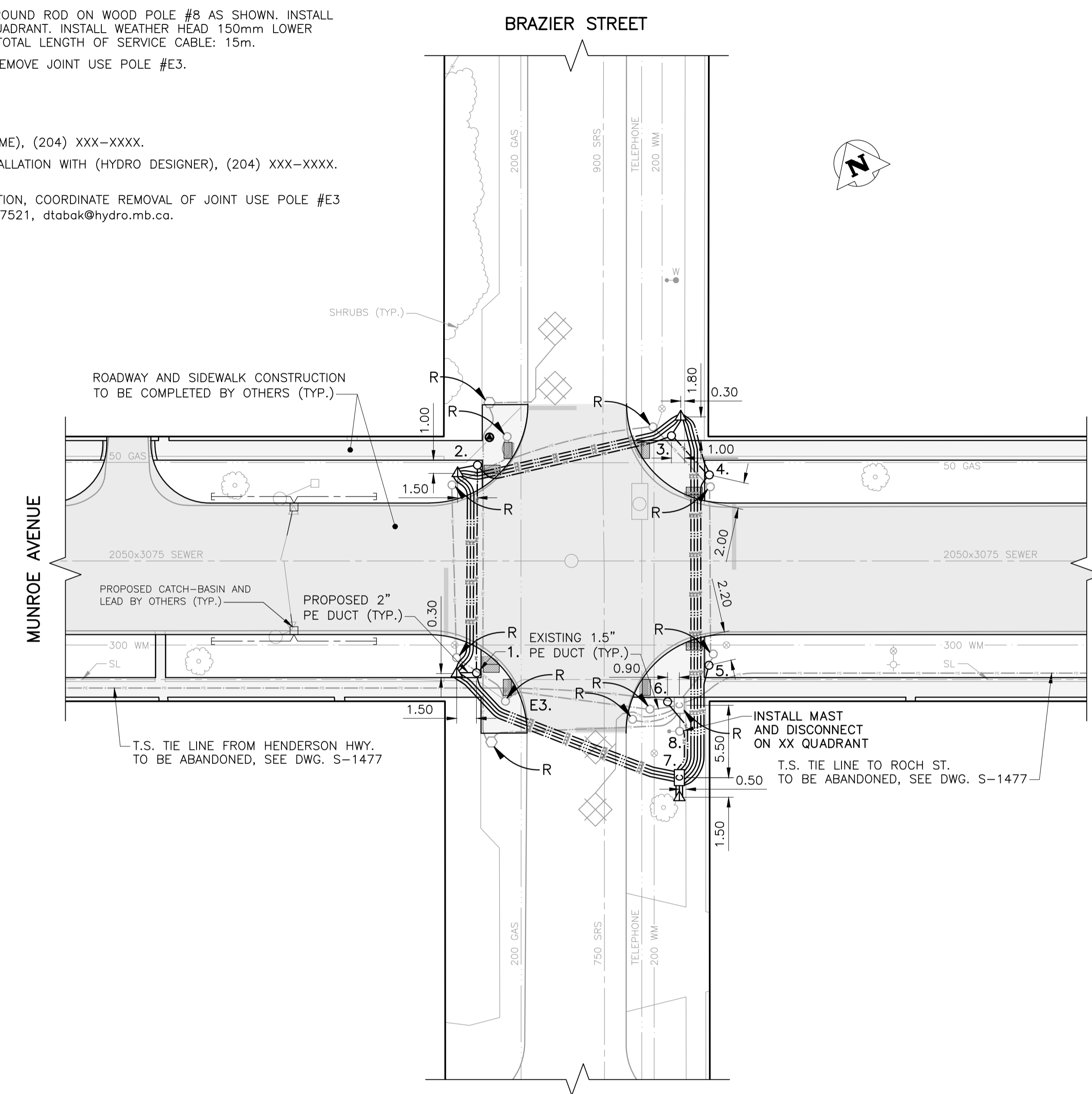
| DETECTION CONNECTION DETAILS |          |                    |       |
|------------------------------|----------|--------------------|-------|
| SENSOR NO.                   | POLE NO. | DETECTION LOCATION | NOTES |
| MATRIX 1                     | 3        |                    |       |
| MATRIX 2                     | 6        |                    |       |



**CONSTRUCTION NOTES:**

- PROJECT SCOPE
1. INSTALL CONDUIT, BASES AND PITS AS SHOWN.
  2. REBUILD SERVICE AND INSTALL GROUND ROD ON WOOD POLE #8 AS SHOWN. INSTALL MAST AND DISCONNECT ON XX QUADRANT. INSTALL WEATHER HEAD 150mm LOWER THAN THE LOWEST HYDRO WIRE. TOTAL LENGTH OF SERVICE CABLE: 15m.
  3. INSTALL EQUIPMENT AS SHOWN. REMOVE JOINT USE POLE #E3.
  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
  3. TWO WEEKS PRIOR TO CONSTRUCTION, COORDINATE REMOVAL OF JOINT USE POLE #E3 WITH DARREN TABAK, (204) 360-7521, dtobak@hydro.mb.ca.



**EQUIPMENT DISPLAY LEGEND**

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| NO. | EQUIPMENT LIST                                | ARM | BASE | B.B. | NO. | EQUIPMENT LIST | ARM | BASE | B.B. |
|-----|---|-----|------|------|-----|----------------|-----|------|------|
| 1.  | CANTILEVER                                    | 16' | OD   | DC   |     |                |     |      |      |
| 2.  | 35' SIGNAL FOR XX WATT (XXXX LUMEN) LUMINAIRE | 12' | OD   | DD   |     |                |     |      |      |
| 3.  | CANTILEVER                                    | 16' | OD   | DC   |     |                |     |      |      |
| 4.  | 15' SIGNAL                                    |     | G    | G    |     |                |     |      |      |
| 5.  | CANTILEVER                                    | 12' | OD   | DC   |     |                |     |      |      |
| 6.  | 18' SIGNAL                                    |     | G    | G    |     |                |     |      |      |
| 7.  | 332 CABINET/2070 CONTROLLER                   |     |      |      |     |                |     |      |      |
| 8.  | HYDRO WOOD SERVICE:                           |     |      |      |     |                |     |      |      |
| E3. | 35' SIGNAL (TO BE REMOVED)                    |     |      |      |     |                |     |      |      |

**TRAFFIC SIGNALS UNDERGROUND LEGEND**

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**SIGNAL BASE BOLT SQUARE TYPES**

|   |  |
|---|--|
| 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      |  |

**INTERNAL REVIEW**

|                      |      |          |
|----------------------|------|----------|
| OPERATIONS:          | DATE | INITIALS |
| TIMINGS (INITIAL):   | DATE | INITIALS |
| TIMINGS (PRE-FC):    | DATE | INITIALS |
| TMC:                 | DATE | INITIALS |
| STREET LIGHTING:     | DATE | INITIALS |
| TRAFFIC MANAGEMENT:  | DATE | INITIALS |
| FACILITIES PLANNING: | DATE | INITIALS |

PLAN VIEW: UNDERGROUND CONSTRUCTION  
1:250

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|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|
| <p>EXISTING LEGEND PROPOSED EXISTING LEGEND PROPOSED</p>                   |  |  | <p>UNDERGROUND STRUCTURES</p>   |  |  | <p>CONSTRUCTION REVISIONS</p>  |  |  | <p>ACCOUNTS: WT PENDING</p>  |  |  | <p>ENGINEER'S SEAL: PRELIMINARY NOT FOR CONSTRUCTION</p>   |  |  |   |  |  |
| <p>HYDRANT, VALVE, SEWER, MANHOLE, CATCH BASIN, CURB INLET, HYDRO, GAS</p> |  |  | <p>PROPERTY LINE, ROADWAY, SIDEWALK, CURB &amp; CURB RAMP, WARNING TILE, SLOPE, CULVERT, BUILDING, TREE</p> |  |  | <p>TELEPHONE COMMUNICATION, TELEPHONE COMMUNICATION, TELEPHONE COMMUNICATION, WOOD POLE, STREET LIGHT, BANNER POLE, RAILWAY POLE, GUY-WIRE, FENCE, GUARDRAIL</p> |  |  | <p>DESIGNED BY, DRAWN BY, CHECKED BY, ISSUED FOR INTERNAL REVIEW</p> |  |  | <p>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 ASSULT 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.</p> |  |  | <p>THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT TRANSPORTATION DIVISION</p> |  |  |
| <p>UNDERGROUND STRUCTURES ID DATE (YYYYMMDD)</p>                           |  |  | <p>WATER &amp; WASTE REVIEW ID</p>  |  |  | <p>NO. REVISION DATE (YYYYMMDD) BY</p>   |  |  | <p>TRAFFIC SIGNALS BRAZIER ST. &amp; MUNROE AVE.</p>                 |  |  | <p>DRAWING NUMBER: S-1731</p>  |  |  |   |  |  |