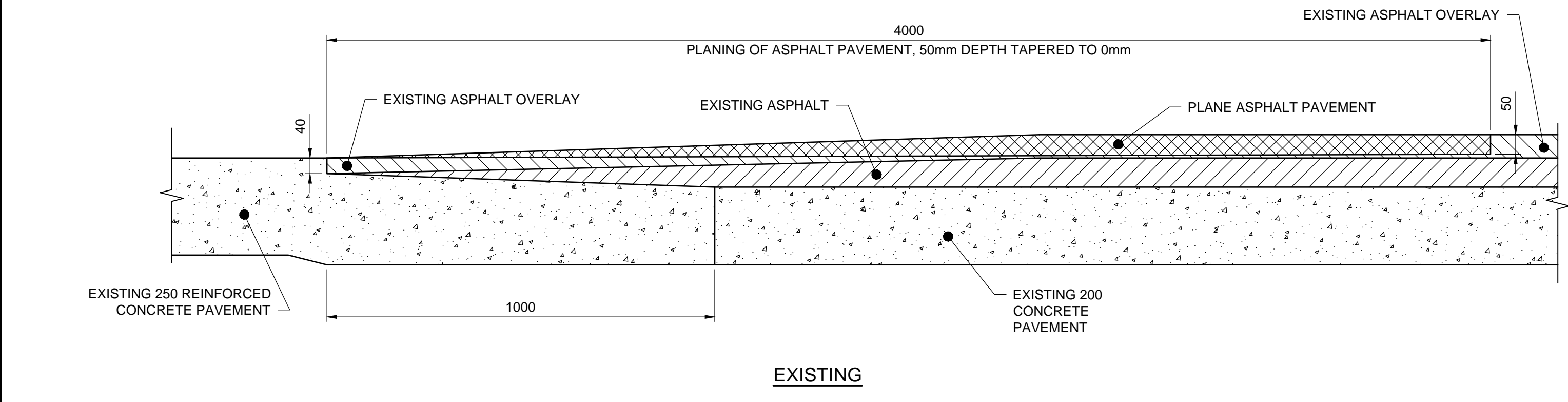
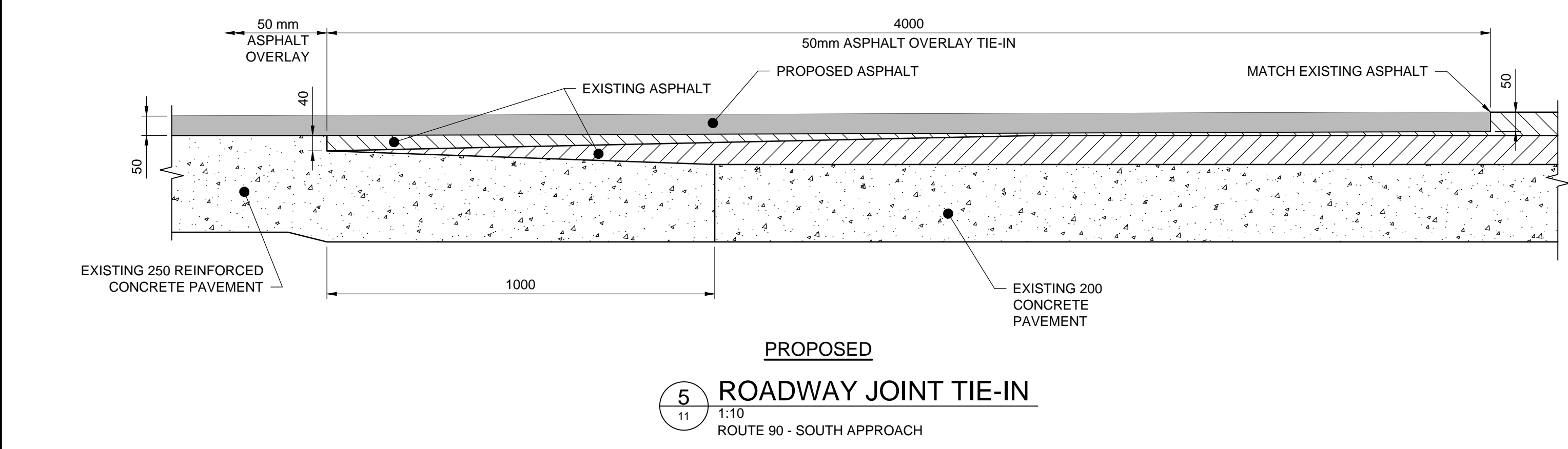


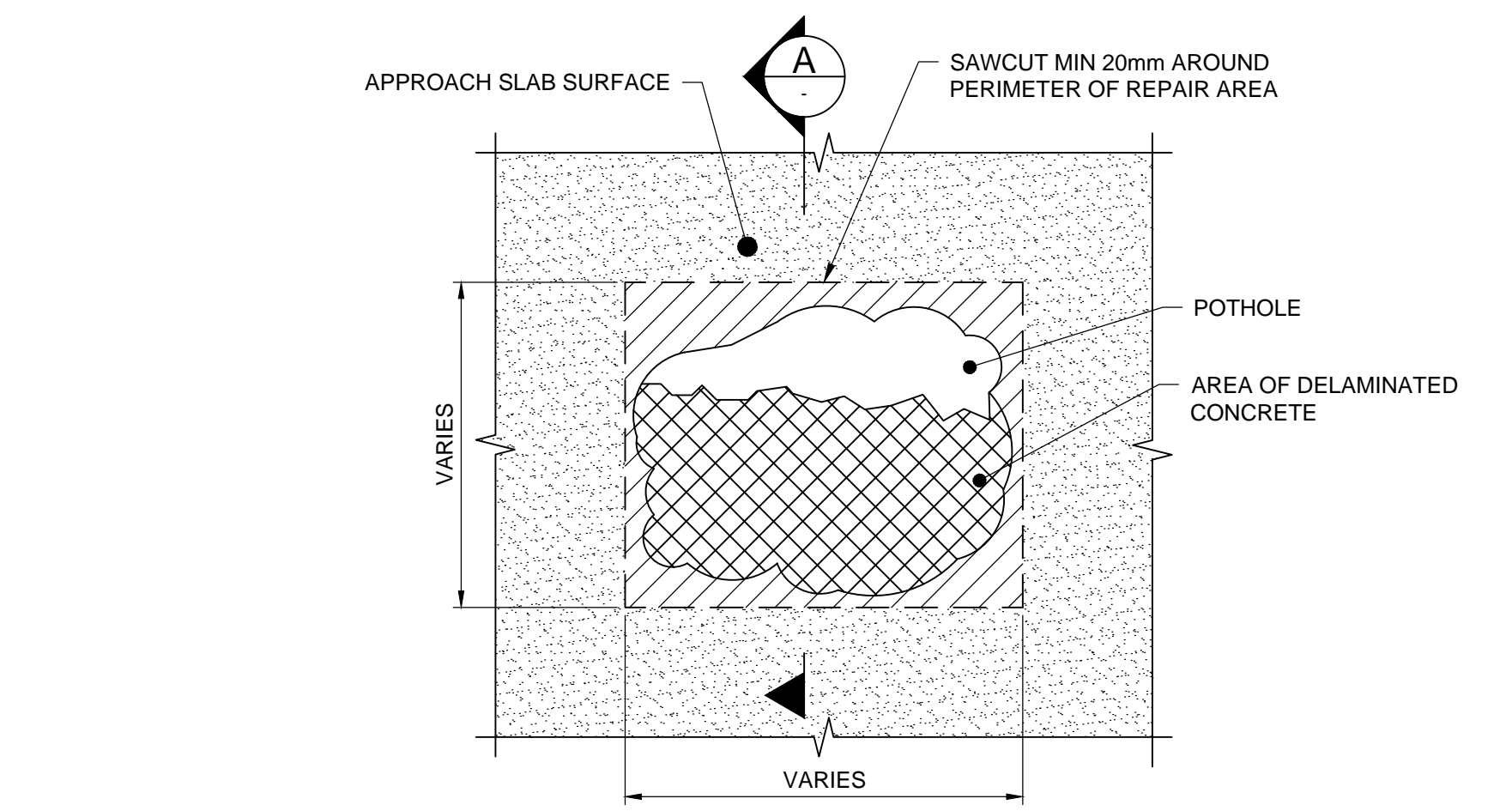
**4 ROADWAY JOINT TIE-IN**  
1:10  
ACADEMY ROAD OFF-RAMP



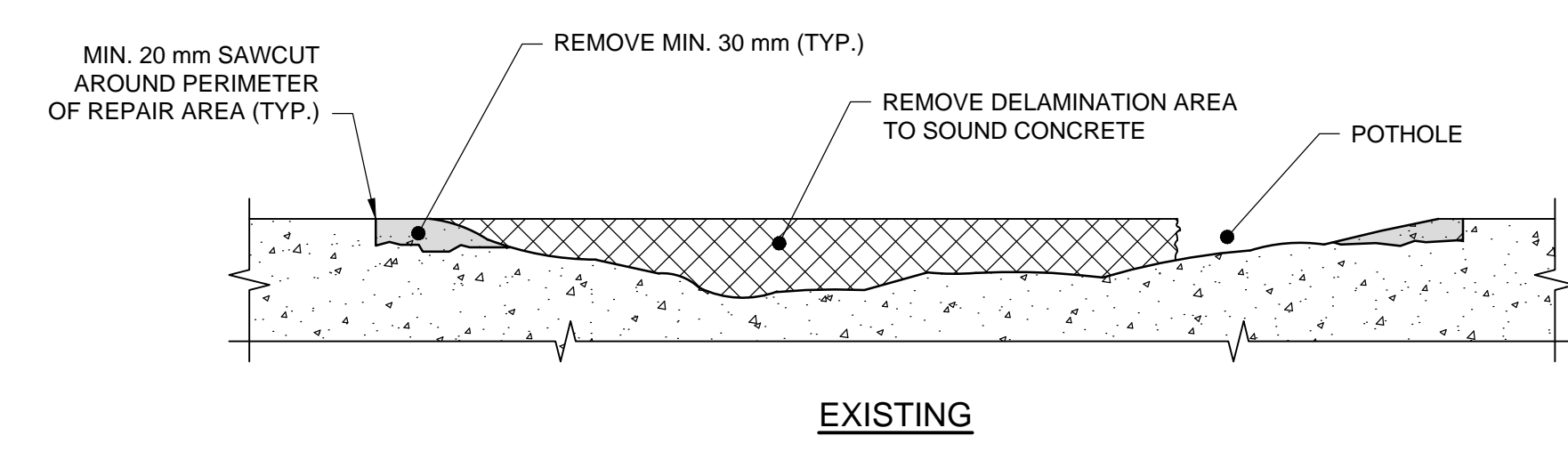
**5 ROADWAY JOINT TIE-IN**  
1:10  
ROUTE 90 - SOUTH APPROACH



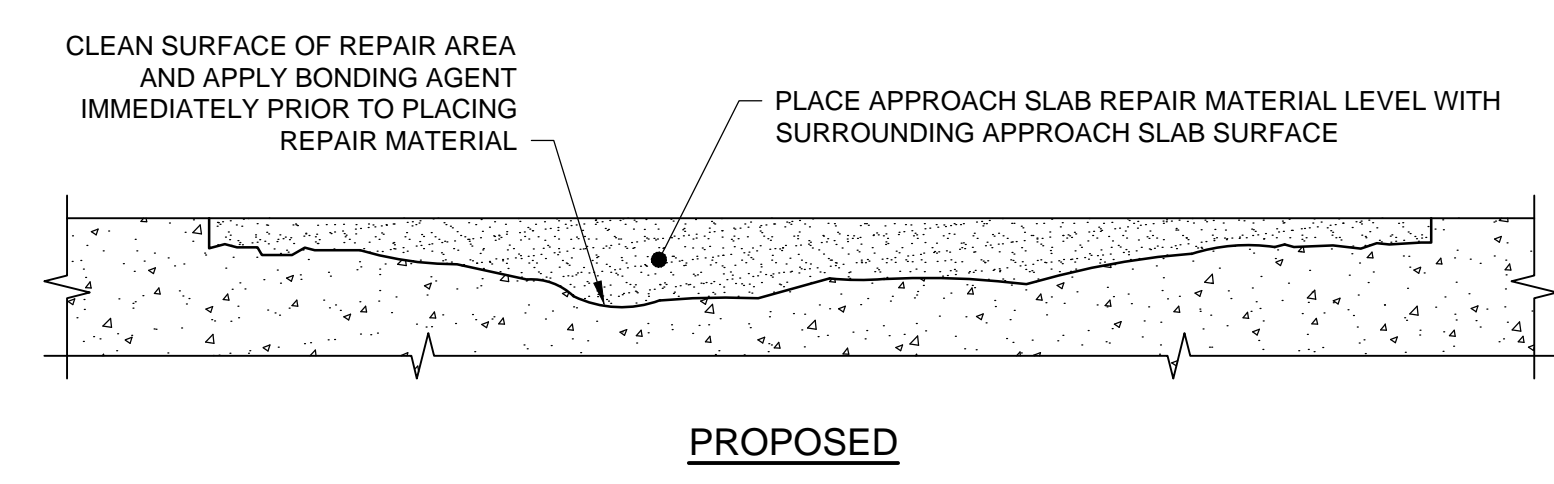
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 W.M.	WATERMAIN	150 W.M.	HYDRO	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
300 L.D.S.	LAND DRAINAGE SEWER	300 L.D.S.	300 L.D.S.	CONCRETE	300 mm L.D.S.	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 W.W.S.	WASTE WATER SEWER	250 W.W.S.	250 W.W.S.	ASPHALT	250 mm W.W.S.	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	○	○	PLANNING	○	○	PROFILE	○
□	CATCH BASIN	□	□	SIDEWALK	□	□	NORTH/WEST GUTTER	□
▽	CURB INLET	▽	▽	PAVING STONES	▽	▽	SOUTH/EAST GUTTER	▽
+	JUNCTIONS	+	+	PARTIAL DEPTH REPAIR	+	+	NORTH/WEST T/LANE	+
—	CULVERT	—	—	PROPERTY LINE	—	—	SOUTH/EAST T/LANE	—
100 GAS	GAS	100 GAS	100 GAS	SURVEY BAR	100 GAS	100 GAS		100 GAS



**PLAN - APPROACH SLAB REPAIR**  
1:20  
PARTIAL DEPTH CONCRETE SLAB REPAIR



**EXISTING**



**PROPOSED**

**A SECTION - APPROACH SLAB REPAIR**  
1:10

- APPROACH SLAB REPAIR METHODS:**
- SAWCUT MIN. 20mm AROUND PERIMETER OF REPAIR AREA
  - REMOVE FRACTURED OR DETERIORATED CONCRETE TO:
    - SOUND CONCRETE;
    - MIN. 30mm DEPTH, AND
    - IF REMOVALS EXCEED HALF DEPTH OF REINFORCING BARS, THEN CONTINUE MIN. 20mm PAST REINFORCING BARS
  - CLEAN CONCRETE REPAIR AREA AS SPECIFIED AND APPLY BONDING AGENT
  - PLACE REPAIR MATERIAL LEVEL WITH SURROUNDING APPROACH SLAB SURFACE

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: JUNE 21, 2016

C:\projects\work\working\_directory\active\45146\ed598714\163513-09-09-01-01-ST-JAMES SB ROADWORKS DETAILS 1.dwg

<b>UNDERGROUND STRUCTURES</b> SUPV. U/G STRUCTURES COMMITTEE DATE		B.M. ELEV.	DESIGNED BY: DRA DRAWN BY: KB CHECKED BY: RJT APPROVED BY: SSR			<b>THE CITY OF WINNIPEG</b> PUBLIC WORKS DEPARTMENT 2016 BRIDGE MAINTENANCE - ST. JAMES SOUTHBOUND BRIDGE REPAIRS ST. JAMES SB ROADWORKS DETAILS	CITY DRAWING NUMBER: B101-16-11 SHEET 11 OF 11 CONSULTANT DRAWING NUMBER: --
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		0 ISSUED FOR TENDER NO. REVISIONS	6/21/16 DATE	RJT BY	RELEASED FOR CONSTRUCTION DATE	CONSULTANT PROJECT NUMBER: 16-3513	DATE: JUNE 21, 2016