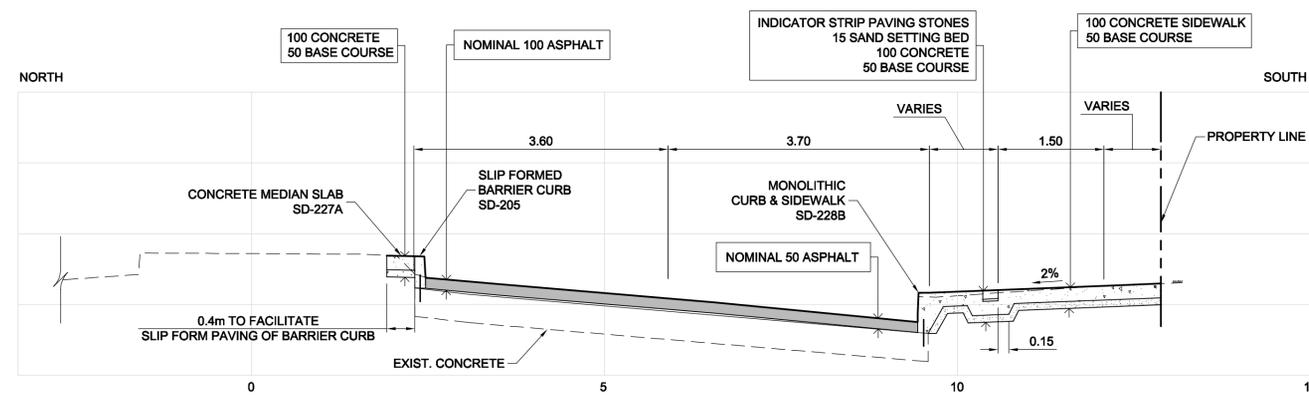
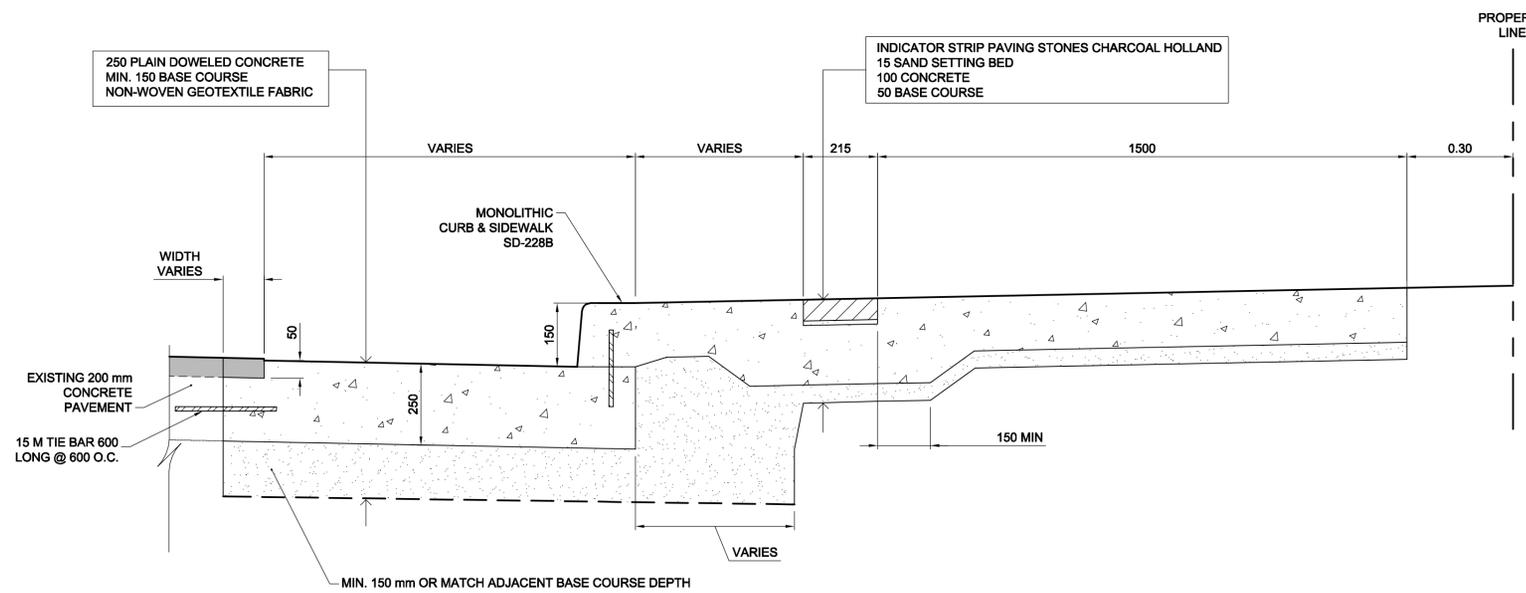


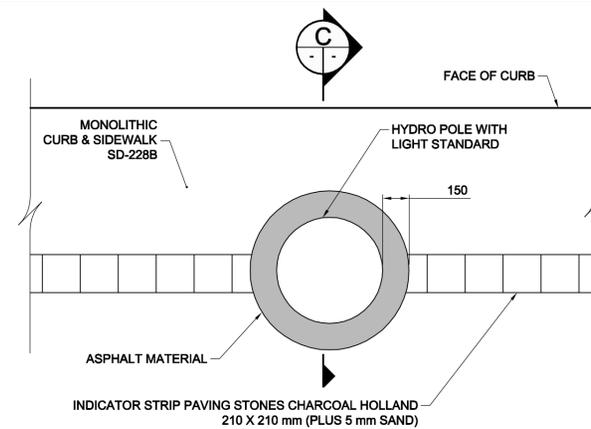
**A SECTION STA: 1+275**  
SCALE: HORZ 1:50 VERT 1:25



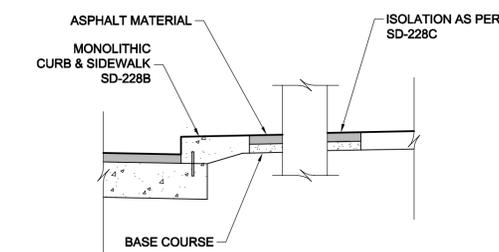
**B SECTION STA: 1+645**  
SCALE: HORZ 1:50 VERT 1:25



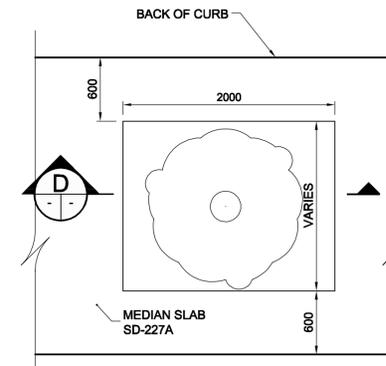
**1 AT GRADE CONCRETE BUS PAD**  
SCALE 1:10



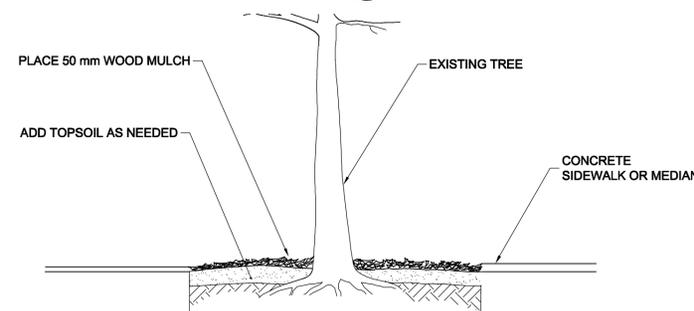
**2 ISOLATIONS IN INDICATOR STRIP ALIGNMENT**  
SCALE 1:20



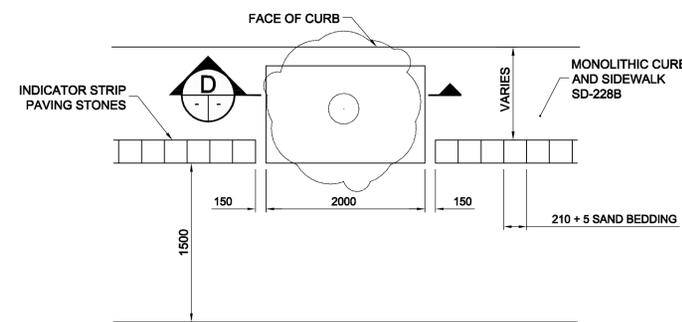
**C ISOLATIONS IN INDICATOR STRIP ALIGNMENT**  
SCALE 1:20



**3 TYPICAL MEDIAN TREE ISOLATION**  
SCALE NTS



**D TYPICAL TREE ISOLATION**  
SCALE: NTS



**4 TYPICAL SOUTH BOULEVARD TREE ISOLATION**  
SCALE NTS

- CONSTRUCTION NOTES:**
- ALL DIMENSIONS ARE TO BACK OF CURB.
  - ISOLATE MISCELLANEOUS ITEMS IN NEW CONCRETE WORKS AS PER SD-228C OR DETAIL 2 IF ALIGNED WITH PAVING BAND.
  - LEGAL PLAN AND UNDERGROUND INFORMATION FROM CITY OF WINNIPEG LBIS. CONTRACTOR TO VERIFY ALL UNDERGROUNDS IN THE FIELD.
  - CONTRACTOR TO TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO TREES WITHIN THE LIMITS OF CONSTRUCTION.
  - LOCATION OF EXISTING SERVICES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
  - INSTALL CB LEADS AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
  - LIMITS OF SIDEWALK RENEWAL TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - LIMITS OF BOULEVARD GRADING TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - MONOLITHIC CURB AND SIDEWALK SP-228B REVEAL HEIGHT IS 150 mm UNLESS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR.
  - SEE SHEET 14 FOR TYPICAL CROSS SECTIONS AND DETAILS.
  - PLANE EXISTING ASPHALT OVERLAY WITHIN LIMITS OF CONSTRUCTION TO DEPTH INDICATED BY THE CONTRACT ADMINISTRATOR.
  - ADJUST ALL WATER VALVES, MANHOLES, AND DRAINAGE INLETS WITHIN LIMITS OF CONSTRUCTION.

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMAL NUMBERS INDICATE METRES

**WARNING**

IF POWER EQUIPMENT OR EXPLOSIVES USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: 01/12/2015

G:\CAD\151674\Drawings and Figures\Contract\151674-01-COIN-C-SECTIONS-DETAILS-NESS.dwg

150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT VALVE	+	MTS	MTS	MTS	+	HYDRANT VALVE	+
300 LDS	LAND DRAINAGE SEWER	300 LDS				300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS				250 WWS	WASTE WATER SEWER	250 WWS
○	MANHOLE	●				○	MANHOLE	○
□	CATCH BASIN	■				□	CATCH BASIN	□
▽	CURB INLET	▽				▽	CURB INLET	▽
—	JUNCTIONS	—				—	JUNCTIONS	—
—	CULVERT	—				—	CULVERT	—
100 GAS	GAS	100 GAS				100 GAS	GAS	100 GAS
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

**UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES DATE

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 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.

**B.M. ELEV.**

NO.	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	01/12/15	DBW

**DESIGNED BY** DBW  
**DRAWN BY** PMW  
**CHECKED BY** TS  
**APPROVED BY** DBW

**HOR. SCALE** AS NOTED  
**VERTICAL** AS NOTED

**1** ISSUED FOR TENDER 01/12/15 DBW

**DILLON CONSULTING**

RELEASED FOR CONSTRUCTION CONSTRUCTION

**ENGINEER'S SEAL**

PROVINCE OF MANITOBA  
REGISTERED PROFESSIONAL ENGINEER  
D.B. WIEBE  
01/12/2015  
Member 22480

**CONSULTANT PROJECT NUMBER**  
15-1674

**THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT**

**NESS AVE E/B REHABILITATION OVERDALE ST TO QUEEN ST**

**CROSS SECTIONS AND DETAILS**

CITY DRAWING NUMBER P-3465-14  
SHEET 14 OF 17  
CONSULTANT DRAWING NUMBER