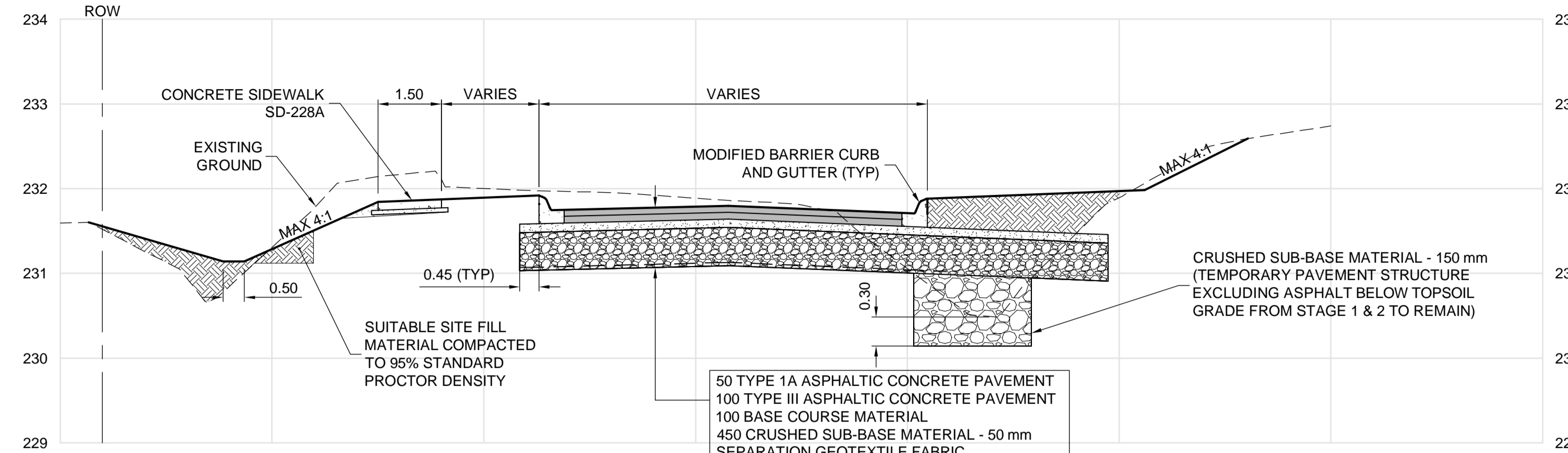
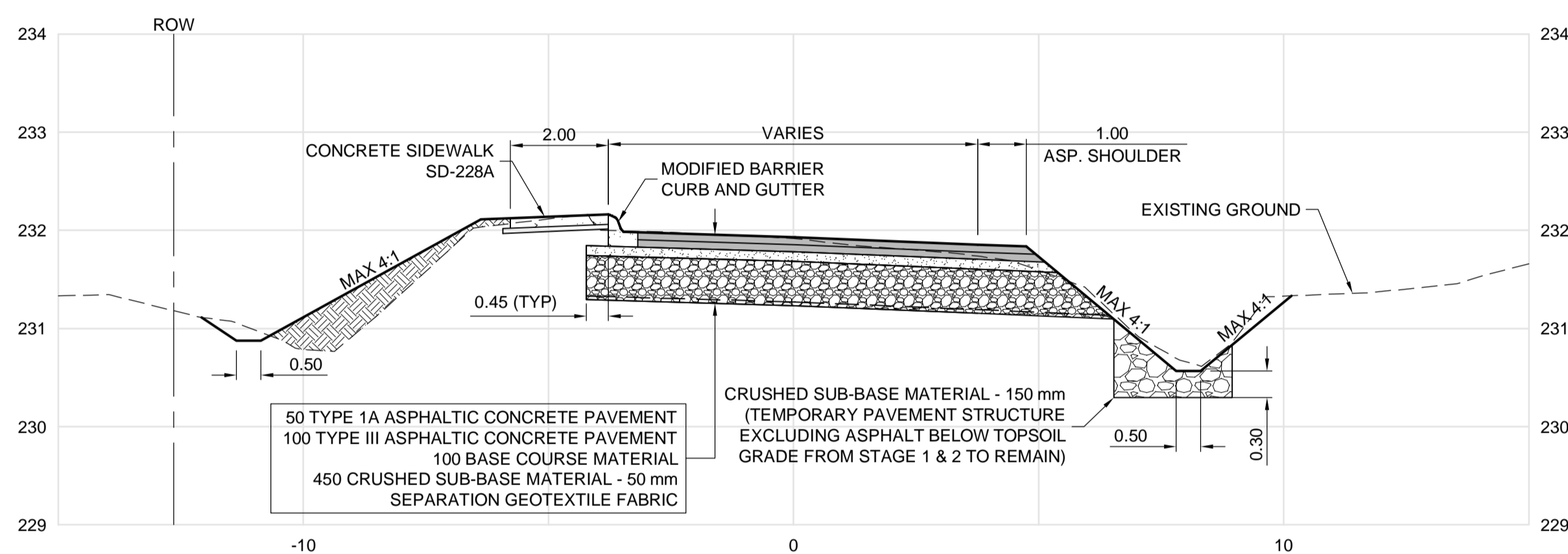


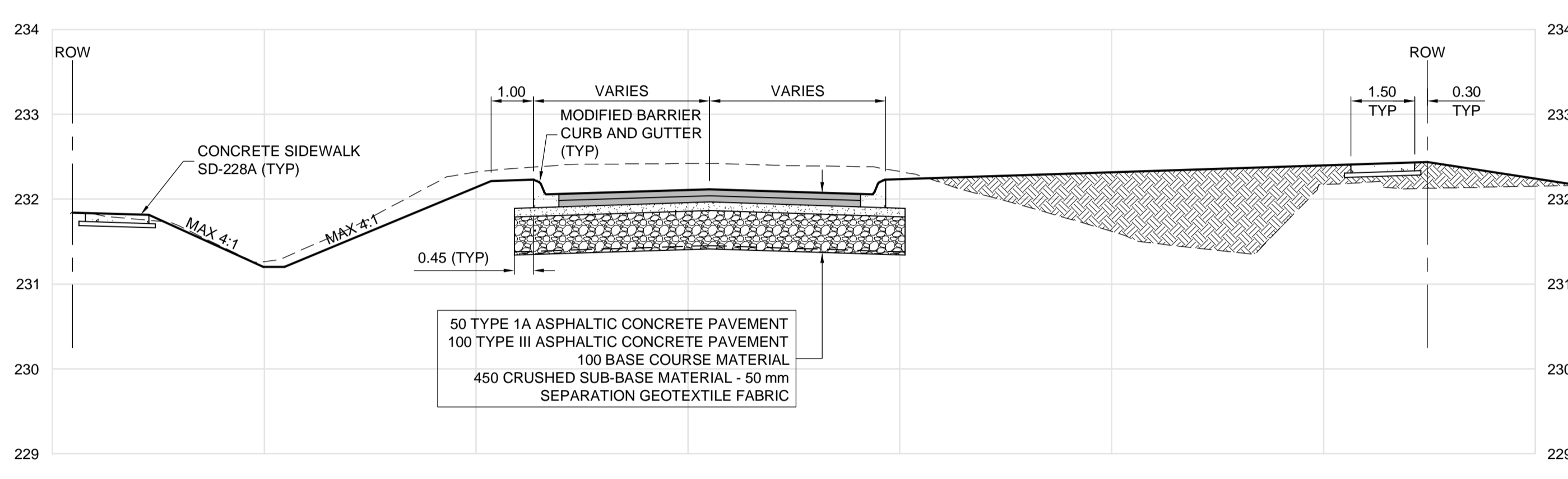
A NORTH LEG - STA. 0+630
7 | 17 SCALE - H-1:100 V-1:50



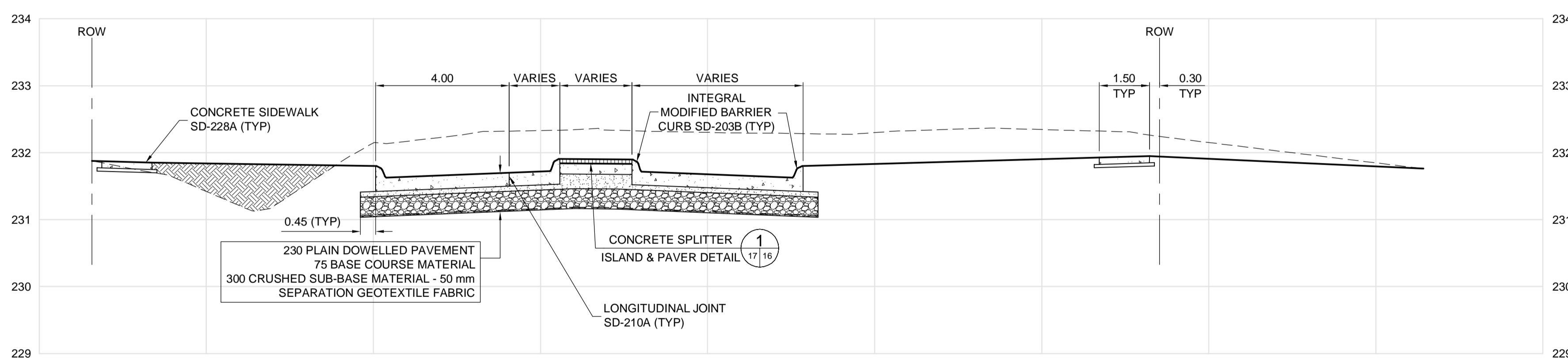
B EAST LEG - STA. 0+230
8 | 17 SCALE - H-1:100 V-1:50



C EAST LEG - STA. 0+280
8 | 17 SCALE - H-1:100 V-1:50



D SOUTH LEG - STA. 0+435
9 | 17 SCALE - H-1:100 V-1:50



E SOUTH LEG - STA. 0+465
9 | 17 SCALE - H-1:100 V-1:50

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APCGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 06/08/2012

G:\CAD\114588\Contract\Current\24 MANHOLE DETAILS.dwg

150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	MTS	MTS	MTS	+	HYDRANT	+
+	VALVE	+	---	---	---	+	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	---	---	---	---	---	EXISTING	---
---	LEGEND-PLAN	---	---	---	---	---	LEGEND-PLAN	---
---	PROPOSED	---	---	---	---	---	PROPOSED	---
---	EXISTING	---	---	---	---	---	EXISTING	---
---	LEGEND-PLAN	---	---	---	---	---	LEGEND-PLAN	---
---	PROPOSED	---	---	---	---	---	PROPOSED	---
---	EXISTING	---	---	---	---	---	EXISTING	---
---	LEGEND-PROFILE	---	---	---	---	---	LEGEND-PROFILE	---
---	PROPOSED	---	---	---	---	---	PROPOSED	---
---	EXISTING	---	---	---	---	---	EXISTING	---

UNDERGROUND STRUCTURES

SUPPLY U/G STRUCTURES COMMITTEE DATE

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 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.

BENCHMARK: GEODETIC MARKER # 654321
N: 5531099.483 E: 639291.865

3	ISSUED FOR TENDER	06/08/12	DBW
2	ISSUED FOR REVIEW	05/31/12	DBW
1	ISSUED FOR REVIEW	07/28/11	DBW
NO.	REVISIONS	DATE	BY

DESIGNED BY: RTP/DBW

DRAWN BY: TJH

CHECKED BY: DBW

APPROVED BY: DPK

HOR. SCALE: AS NOTED

VERTICAL:

RELEASED FOR CONSTRUCTION DATE:

DILLON CONSULTING

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
D.B. WIEBE
06/08/2012
Member 22480
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
11-4588

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

ROUNDABOUT CONSTRUCTION
GRASSIE BOULEVARD AND MOLSON STREET INTERSECTION

CITY DRAWING NUMBER: P-3329-17
SHEET 17 OF 24
CONSULTANT DRAWING NUMBER

CROSS SECTIONS - NORTH, EAST & SOUTH LEGS