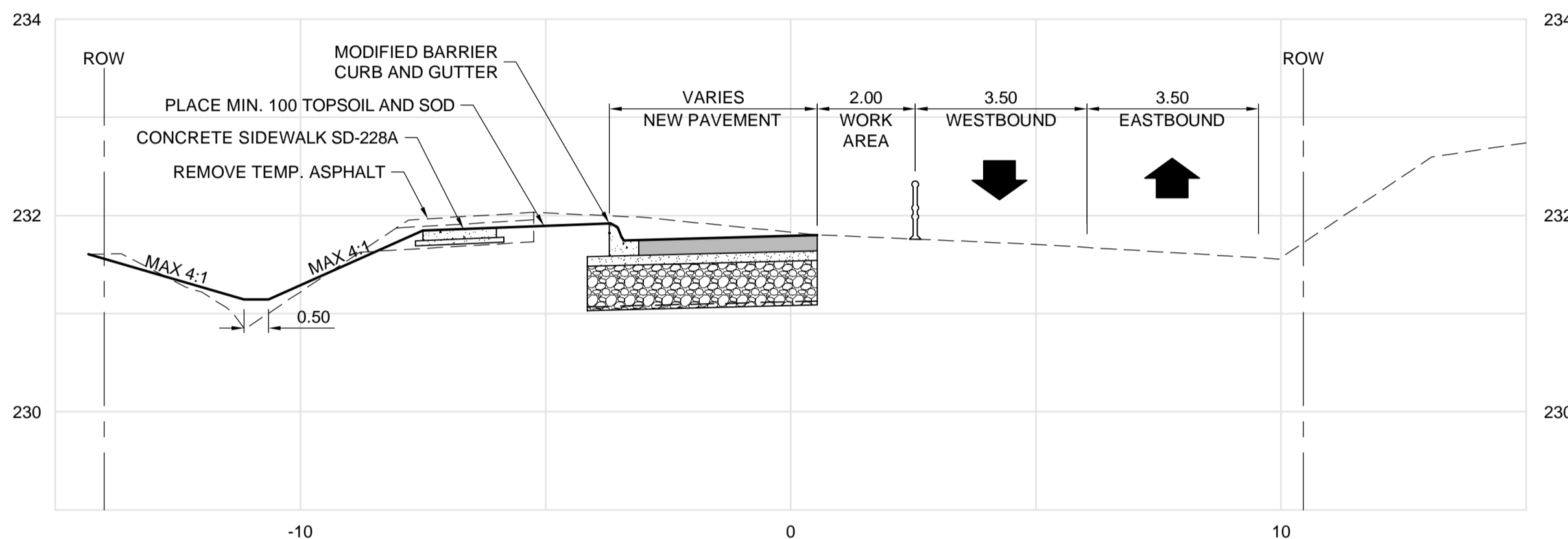
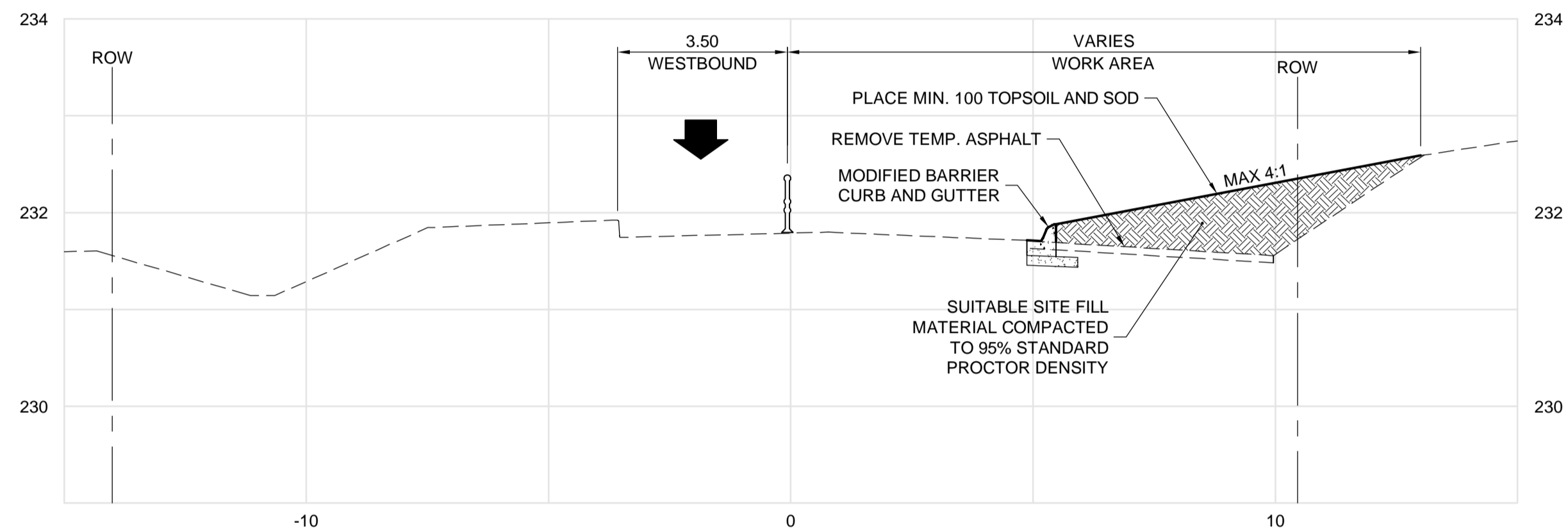


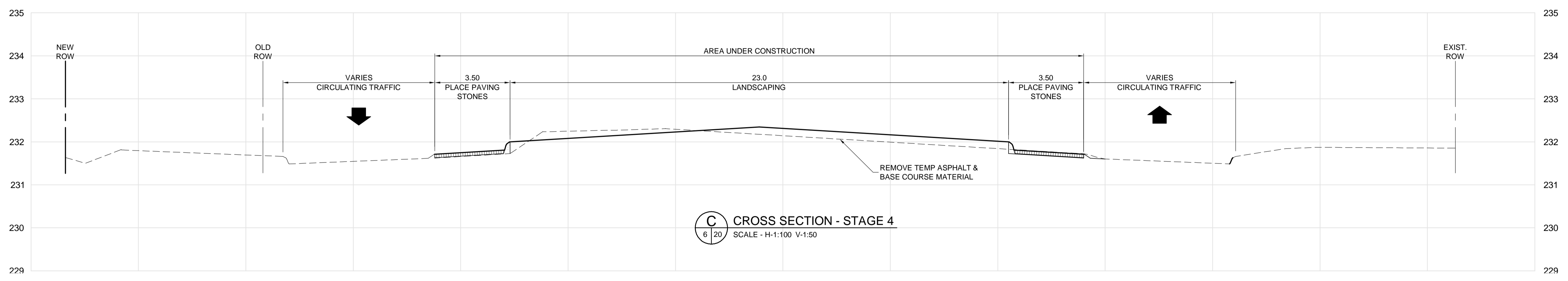
A CROSS SECTION - STAGE 3
5 | 20 SCALE - H-1:100 V-1:50



B CROSS SECTION - STAGE 3
5 | 20 SCALE - H-1:100 V-1:50



D CROSS SECTION - STAGE 4
6 | 20 SCALE - H-1:100 V-1:50



C CROSS SECTION - STAGE 4
6 | 20 SCALE - H-1:100 V-1:50

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



G:\CAD\11-4588\Contract\Current\24 MANHOLE DETAILS.dwg

150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	MTS	MTS	+	HYDRANT	+
⊗	VALVE	⊗	CONCRETE	CONCRETE	⊗	VALVE	⊗
300 LDS	LAND DRAINAGE SEWER	300 LDS	ASPHALT	ASPHALT	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	PLANING	PLANING	250 WWS	WASTE WATER SEWER	250 WWS
○	MANHOLE	●	SIDEWALK	SIDEWALK	○	MANHOLE	●
□	CATCH BASIN	■	PAVING STONES	PAVING STONES	□	CATCH BASIN	■
▽	CURB INLET	▽	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	▽	CURB INLET	▽
—	JUNCTIONS	—	PROPERTY LINE	PROPERTY LINE	—	JUNCTIONS	—
—	CULVERT	—	SURVEY BAR	SURVEY BAR	—	CULVERT	—
100 GAS	GAS	100 GAS	CURB RAMP	CURB RAMP	100 GAS	GAS	100 GAS
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE
							PROPOSED

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			
DESIGNED BY	RTP/DBW		
DRAWN BY	TJH		
CHECKED BY	DBW		
APPROVED BY	DPK		
HOR. SCALE	AS NOTED		
VERTICAL			
RELEASSED FOR CONSTRUCTION			
DATE			
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

CONSULTANT PROJECT NUMBER	11-4588
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PROVINCE OF MANITOBA ORIGINAL REGISTERED BY D.B. WIEBE 06/08/2012 Member 22480 REGISTERED PROFESSIONAL ENGINEER
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THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

ROUNDABOUT CONSTRUCTION
GRASSIE BOULEVARD AND MOLSON
STREET INTERSECTION

CITY DRAWING NUMBER
P-3329-20

SHEET
20 OF 24

CONSULTANT DRAWING NUMBER

CROSS SECTIONS - STAGE 3 & 4