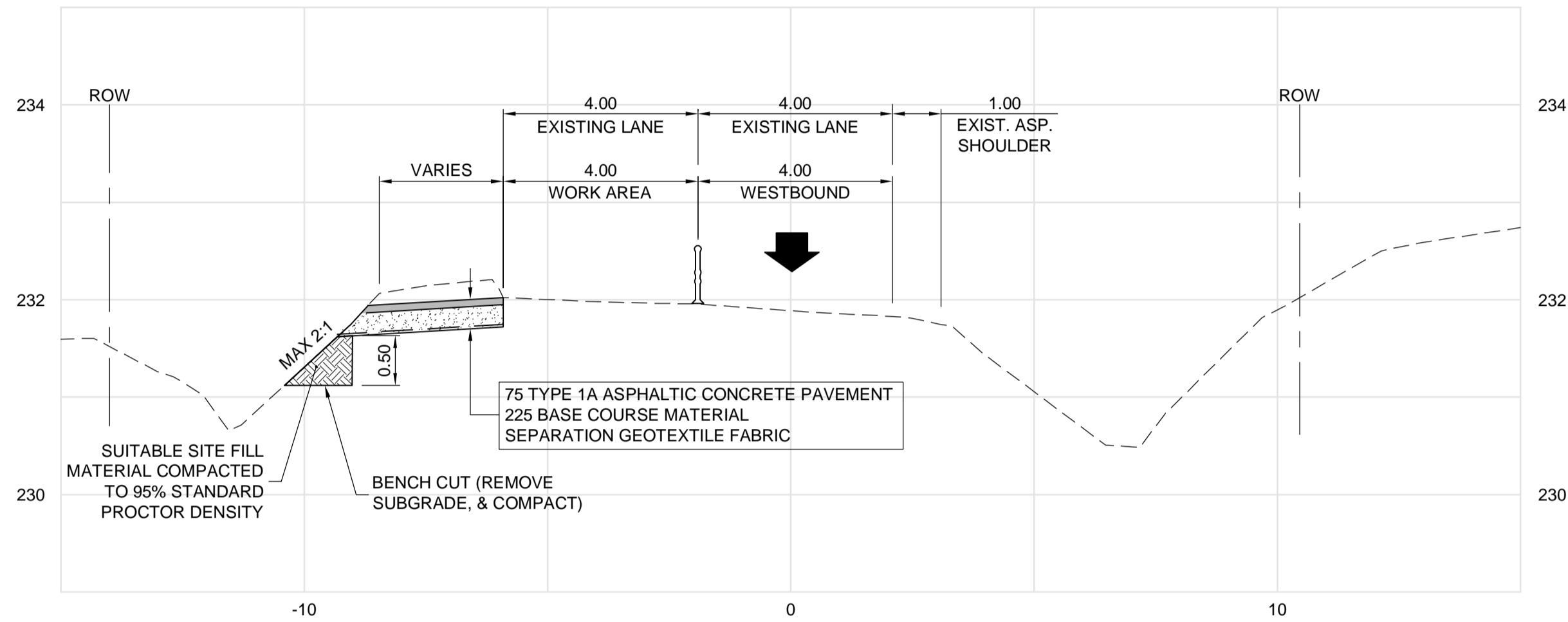
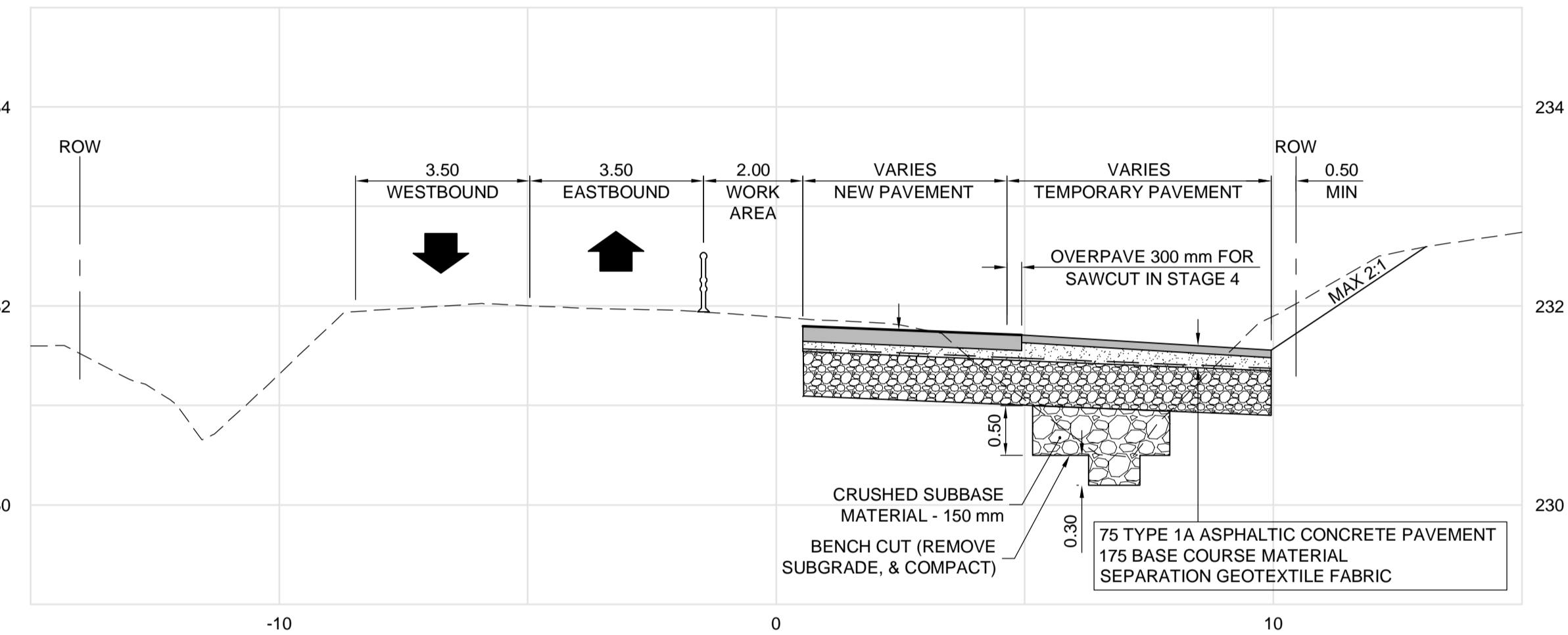


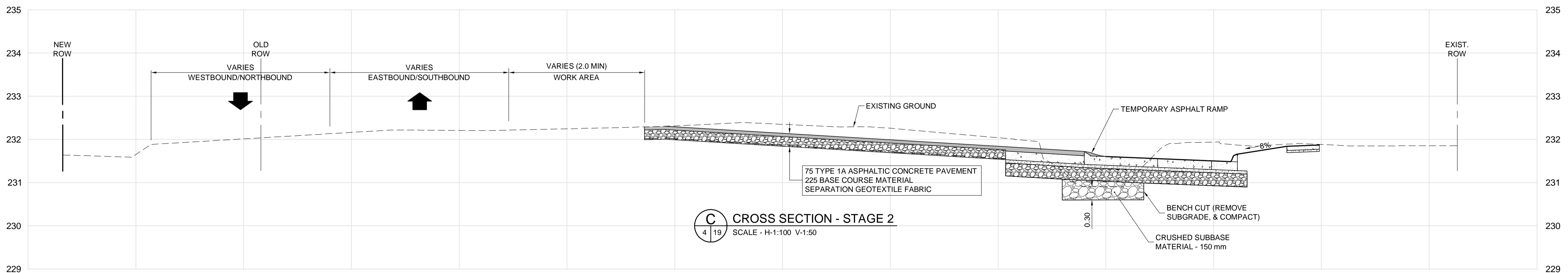
A CROSS SECTION - STAGE 1
3 19 SCALE - H-1:100 V-1:50



B CROSS SECTION - STAGE 1
3 19 SCALE - H-1:100 V-1:50



D CROSS SECTION - STAGE 2
4 19 SCALE - H-1:100 V-1:50



C CROSS SECTION - STAGE 2
4 19 SCALE - H-1:100 V-1:50

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



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

150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	M.T.S.	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	CONCRETE	CONCRETE	250 WWS	WASTE WATER SEWER	250 WWS
MANHOLE	MANHOLE	MANHOLE	ASPHALT	ASPHALT	MANHOLE	MANHOLE	MANHOLE
CATCH BASIN	CATCH BASIN	CATCH BASIN	PLANING	PLANING	CATCH BASIN	CATCH BASIN	CATCH BASIN
CURB INLET	CURB INLET	CURB INLET	SIDEWALK	SIDEWALK	CURB INLET	CURB INLET	CURB INLET
JUNCTIONS	JUNCTIONS	JUNCTIONS	PAVING STONES	PAVING STONES	JUNCTIONS	JUNCTIONS	JUNCTIONS
CULVERT	CULVERT	CULVERT	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	CULVERT	CULVERT	CULVERT
100 GAS	GAS	100 GAS	PROPERTY LINE	PROPERTY LINE	100 GAS	GAS	100 GAS
EXISTING	LEGEND-PLAN	PROPOSED	SURVEY BAR	SURVEY BAR	EXISTING	LEGEND-PROFILE	PROPOSED
			CURB RAMP	CURB RAMP			

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

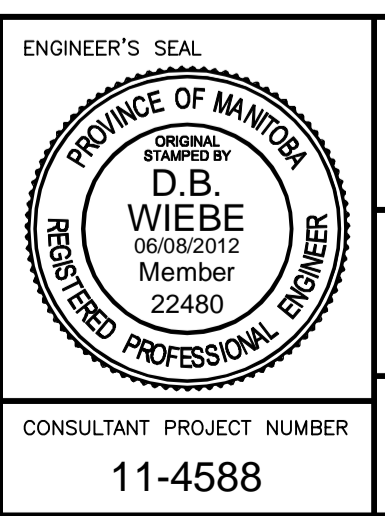
DRAWN BY: TJH

CHECKED BY: DBW

APPROVED BY: DPK

HOR. SCALE: AS NOTED

VERTICAL:



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

ROUNDABOUT CONSTRUCTION
GRASSIE BOULEVARD AND MOLSON
STREET INTERSECTION

CITY DRAWING NUMBER: P-3329-19
SHEET 19 OF 24
CONSULTANT DRAWING NUMBER

CROSS SECTIONS - STAGE 1 & 2

CONSULTANT PROJECT NUMBER: 11-4588