

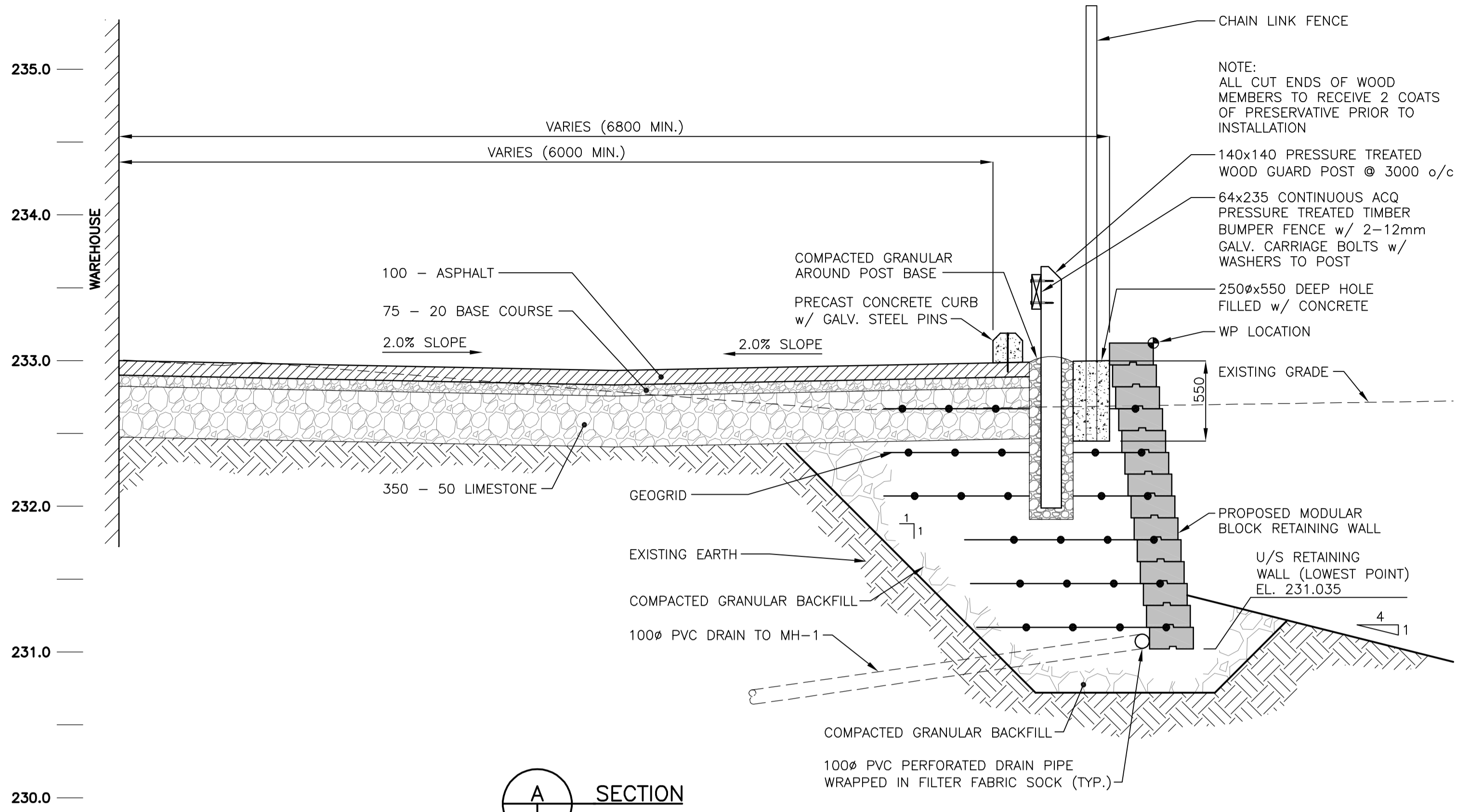
RETAINING WALL & ROAD FINAL CONSTRUCTION



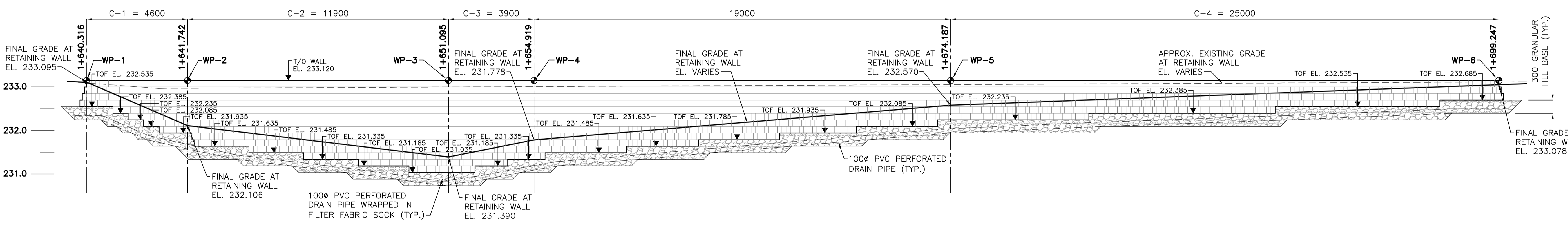
| CIRCULAR CURVE DATA | | | | AT TOP OF RETAINING WALL |
|---------------------|------------|-------------|-----------|--------------------------|
| CURVE | RADIUS (m) | START POINT | END POINT | LENGTH (m) |
| C-1 | 9.000 | WP-1 | WP-2 | 4.584 |
| C-2 | 6.000 | WP-2 | WP-3 | 11.873 |
| C-3 | 9.000 | WP-3 | WP-4 | 3.941 |
| C-4 | 200.000 | WP-5 | WP-6 | 25.000 |

| WORK POINT LOCATION | | | |
|---------------------|------------|------------|-----------|
| WORK POINT | NORTHING | EASTING | ELEVATION |
| WP-1 | 10968.6364 | 10021.3163 | 233.120 |
| WP-2 | 10969.6305 | 10025.7596 | 233.120 |
| WP-3 | 10978.4683 | 10030.4987 | 233.120 |
| WP-4 | 10982.2995 | 10029.7926 | 233.120 |
| WP-5 | 11001.2874 | 10030.4723 | 233.120 |
| WP-6 | 11026.1506 | 10032.9238 | 233.120 |

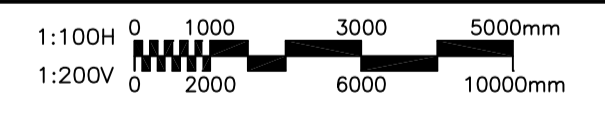
NOTE:
CONTRACT TO PROVIDE SEALED DRAWINGS AND CALCULATIONS FOR REINFORCED EARTH MODULAR BLOCK RETAINING WALL.



SECTION A-A
1:20H 0 0.2 0.6 1m
1:20V 0 0.2 0.6 1m



PROPOSED RETAINING WALL ELEVATION



NOTE:
1. APPROXIMATE AREA OF RETAINING WALL = 80m²
2. APPROXIMATE QUANTITY OF PRECAST CURBS = 18.
3. APPROXIMATE LENGTH OF BUMPER FENCE = 65m.
4. WALL DIMENSIONS ARE FOR GENERAL LAYOUT. CONTRACTOR IS RESPONSIBLE FOR WALL DESIGN AND MUST PROVIDE SEALED SHOP DRAWINGS.

V:\1137\win\11370202 - Kenaston UP DESIGN\CAD\CONTRACT 6 - Underpass etc\Bridge Finish\060220 - Trade Drawings\KU-35-665.dwg
2006-03-03 12:23 PM JMB

WARNING
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2006

| | | |
|--|----------|------------|
| LOCATION APPROVED UNDERGROUND STRUCTURES | | B.M. ELEV. |
| SUPV. 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. | | |
| ISSUED FOR TENDER | 06.03.03 | MJB |
| NO. REVISIONS | DATE | BY |

Stantec Consulting Ltd.
905 Waverley Street, Winnipeg, Manitoba
Tel 204-489-5900 Fax 204-453-9012

| | |
|-----------------------|--|
| DESIGNED BY: MJB, KSA | CHECKED BY: GWM |
| DRAWN BY: JMB | APPROVED BY: MJB |
| HOR. SCALE: AS SHOWN | AUTHORIZED BY: R. FINGAS, P. ENG. 06.03.03 |
| VERTICAL: AS SHOWN | DATE: 06.03.03 |
| DATE: 05.11.09 | CONSULTANT DRAWING NO. I13703042-S31 |

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

Winnipeg

KENASTON UNDERPASS PROJECT
KENASTON BOULEVARD RECONSTRUCTION

KENASTON BOULEVARD
RETAINING WALL
LAYOUT & DETAILS

SHEET 35 OF 52
CAD FILE DRAWING NUMBER ku-35-665.dwg
CITY DRAWING NUMBER P-3258-206