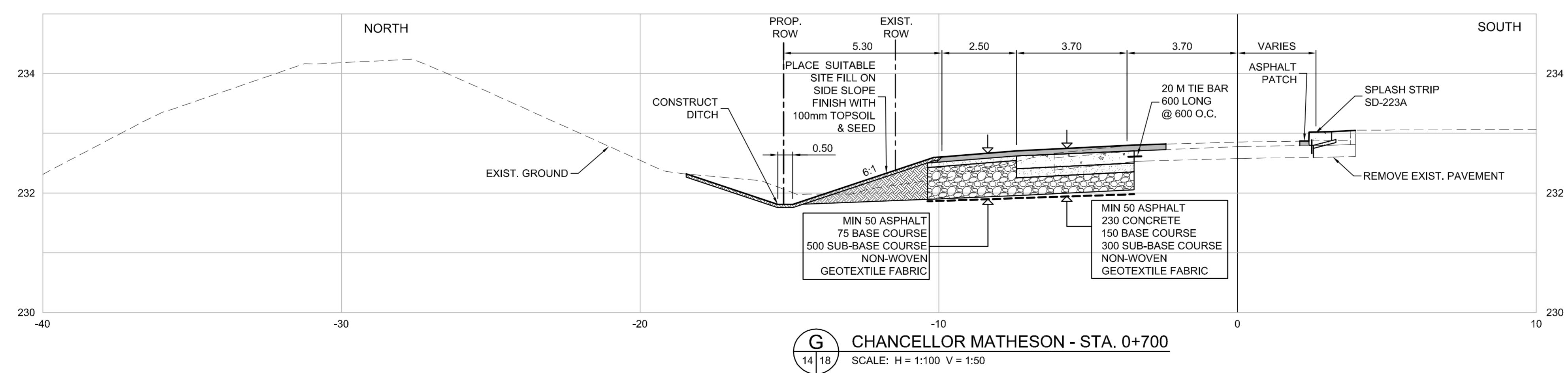
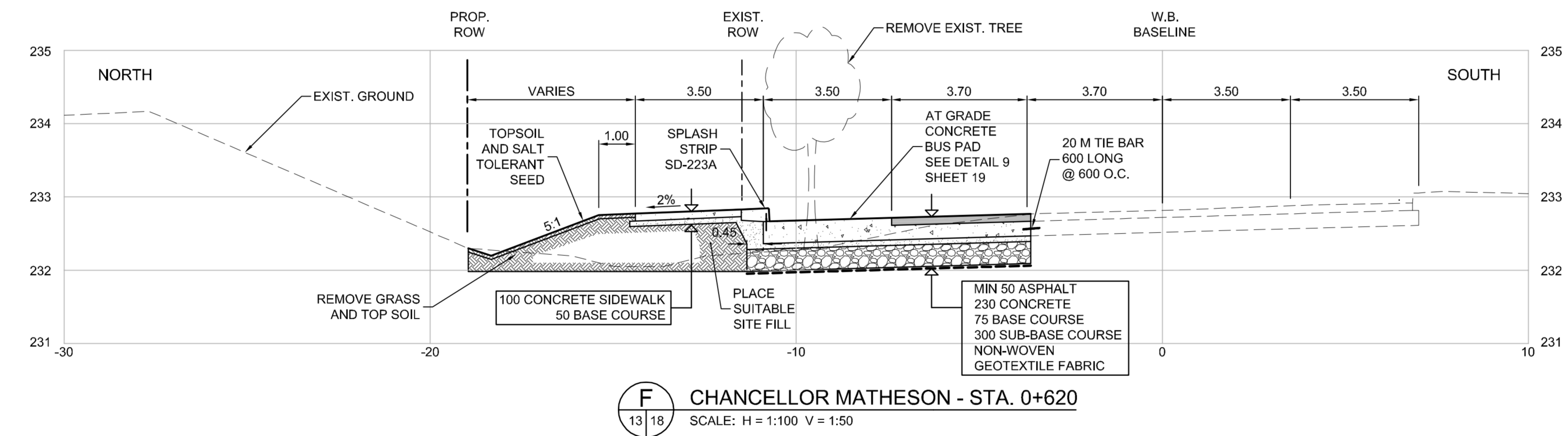
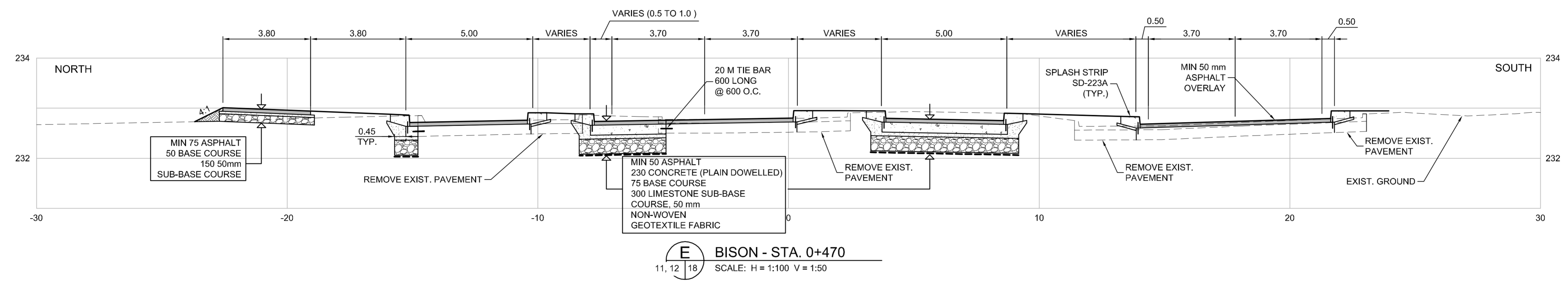
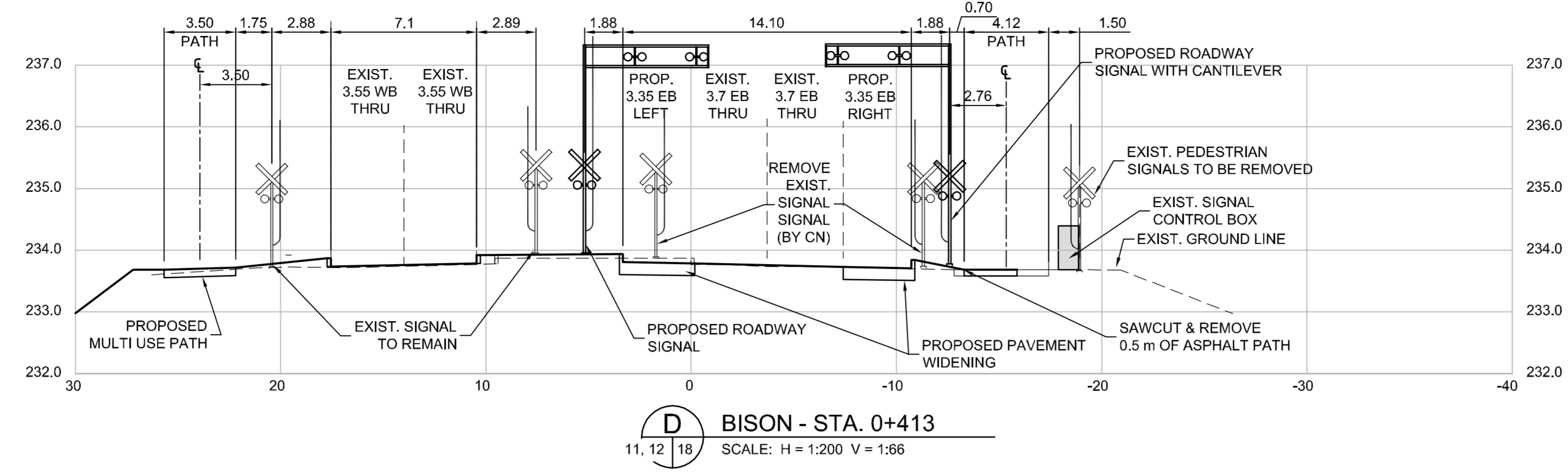


- CONSTRUCTION NOTES:**
1. THE CONTRACTOR MUST COMPLY WITH ALL SPECIFICATIONS OUTLINED IN E23 - OPERATING CONSTRAINTS FOR WORK IN CLOSE PROXIMITY TO FEEDERMAINS.
  2. PROPOSED WATERMAIN RENEWAL TO BE COMPLETED BY OTHERS IN JUNE / JULY 2011.
  3. EXIST. ALUMINUM GUARDRAIL TO BE SALVAGED AND DELIVERED TO CITY YARD. IN ACCORDANCE WITH E21



**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**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 210/72 FOR DETAILS.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

|          |                     |          |          |             |          |               |                     |               |
|----------|---------------------|----------|----------|-------------|----------|---------------|---------------------|---------------|
| 150 WM   | WATERMAIN           | 150 WM   | HYDRO    | HYDRO       | HYDRO    | 150 mm W.M.   | WATERMAIN           | 150 mm W.M.   |
| +        | HYDRANT             | +        | MTS      | MTS         | MTS      | +             | HYDRANT             | +             |
| +        | VALVE               | +        |          |             |          | +             | VALVE               | +             |
| 300 LDS  | LAND DRAINAGE SEWER | 300 LDS  |          |             |          | 300 mm L.D.S. | LAND DRAINAGE SEWER | 300 mm L.D.S. |
| 250 WWS  | WASTE WATER SEWER   | 250 WWS  |          |             |          | 250 mm W.W.S. | WASTE WATER SEWER   | 250 mm W.W.S. |
| ○        | 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   |                   | B.M. 654271 N 5517192.470 E 632610.651<br>ELEV. 233.084 | DESIGNED BY RTP     |
| SUPPLY, U/G STRUCTURES COMMITTEE DATE  |                   |   | DRAWN BY PMW        |
| NOTE:<br>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. |                   |   | CHECKED BY JNC      |
|  |                   |   | APPROVED BY DPK     |
|  |                   |   | HOR. SCALE AS NOTED |
|  |                   |   | VERTICAL AS NOTED   |
| 1  | ISSUED FOR TENDER | 11/06/23  | JNC                 |
| NO.  | REVISIONS         | DATE  | BY                  |
|  |                   | 2011/06/23  |                     |

|  |   |   |
|--|---|---|
|  |   |   |
|  | RELEASED FOR CONSTRUCTION<br>ORIGINAL SIGNED BY B. KIBBINS<br>DATE 11/06/23 |   |
| CITY DRAWING NUMBER P-3327-18<br>SHEET 18 OF 24<br>CONSULTANT DRAWING NUMBER |   | BISON DRIVE & PEMBINA HIGHWAY INTERSECTION IMPROVEMENTS<br>CROSS SECTIONS D, E, F AND G |

G:\CAD\11-4587\Contract\Current\Roadway\CROSS\_SECTIONS.dwg