

| KENASTON BOULEVARD NORTHBOUND (B3) | | | | | | | | | | | | | | |
|------------------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|---------|---------|------------------------|----------|--------|----------|-----------|-----------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | SPIRAL TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. | Spiral # | Length | Theta | S.Tangent | L.Tangent |
| PT | 2+922.400 | 5516291.9808 | 630131.6361 | C50 | 760.000 | 27°02'39" | 182.771 | 358.729 | 355.408 | S50 | 48.133 | 1°48'52" | 16.046 | 32.091 |
| TS | 3+178.389 | 5516528.6580 | 630034.0961 | C51 | 525.000 | 11°49'30" | 54.370 | 108.353 | 108.161 | S51 | 48.133 | 1°48'52" | 16.046 | 32.091 |
| SC | 3+226.522 | 5516573.3494 | 630016.2272 | C52 | 525.000 | 4°04'46" | 18.698 | 37.381 | 37.373 | S52 | 59.002 | 3°13'10" | 19.673 | 39.341 |
| CS | 3+585.251 | 5516926.0619 | 629972.5374 | | | | | | | S53 | 59.002 | 3°13'10" | 19.673 | 39.341 |
| ST | 3+633.384 | 5516973.7624 | 629978.9618 | | | | | | | S54 | 59.002 | 3°13'10" | 19.673 | 39.341 |
| TS | 3+748.899 | 5517088.0740 | 629995.5878 | | | | | | | S55 | 59.002 | 3°13'10" | 19.673 | 39.341 |
| SC | 3+807.901 | 5517146.6022 | 630002.9839 | | | | | | | | | | | |
| CS | 3+916.253 | 5517254.7507 | 630001.3666 | | | | | | | | | | | |
| ST | 3+975.255 | 5517313.0315 | 629992.2237 | | | | | | | | | | | |
| TS | 4+173.379 | 5517508.1519 | 629957.8577 | | | | | | | | | | | |
| SC | 4+232.381 | 5517566.4328 | 629948.7148 | | | | | | | | | | | |
| CS | 4+269.761 | 5517603.6783 | 629945.6334 | | | | | | | | | | | |
| ST | 4+328.763 | 5517662.6692 | 629945.0739 | | | | | | | | | | | |
| EP | 4+545.918 | 5517879.8149 | 629947.0819 | | | | | | | | | | | |

| SOUTH TOWN ROAD EB (C6) | | | | | | | | | |
|-------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|--------|---------|---------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 0+390.767 | 5517013.1215 | 629886.3051 | C61 | 275.252 | 15°26'36" | 37.321 | 74.190 | 73.966 |
| PT | 0+464.957 | 5517025.2493 | 629959.2700 | C62 | 243.880 | 27°32'00" | 59.752 | 117.196 | 116.072 |
| PC | 0+517.144 | 5517026.8116 | 630011.4340 | | | | | | |
| EP | 0+634.340 | 5517057.7955 | 630123.2938 | | | | | | |

| SOUTH TOWN ROAD WB (C7) | | | | | | | | | |
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| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 0+406.797 | 5517025.5199 | 629901.4898 | C63 | 283.202 | 11°52'02" | 29.434 | 58.658 | 58.553 |
| PT | 0+465.455 | 5517033.2104 | 629959.5353 | C64 | 175.000 | 27°38'07" | 43.041 | 84.407 | 83.591 |
| PC | 0+548.668 | 5517035.5535 | 630042.7160 | | | | | | |
| BP | 0+633.076 | 5517057.7955 | 630123.2938 | | | | | | |

| BISON DRIVE (EASTBOUND) (C8) | | | | | | | | | |
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| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 1+879.339 | 5517409.7404 | 629839.0458 | C66 | 341.400 | 14°14'40" | 42.658 | 84.876 | 84.657 |
| PC | 1+975.123 | 5517434.5763 | 629931.5540 | | | | | | |
| PT | 2+059.999 | 5517466.4950 | 630009.9635 | | | | | | |
| EP | 2+122.970 | 5517497.2853 | 630064.8935 | | | | | | |

| BISON DRIVE (WESTBOUND) (C9) | | | | | | | | | |
|------------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|--------|--------|--------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 1+890.030 | 5517422.0527 | 629852.1244 | C65 | 337.600 | 14°15'05" | 42.204 | 83.972 | 83.756 |
| PC | 1+988.463 | 5517447.5753 | 629947.1908 | | | | | | |
| PT | 2+072.435 | 5517479.1495 | 630024.7675 | | | | | | |
| EP | 2+116.305 | 5517500.6001 | 630063.0354 | | | | | | |

| CENTER STREET (SOUTH) (C5) | | | | | | | | | |
|----------------------------|-----------|--------------|-------------|-----------------------|----------|-----------|--------|---------|---------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| PT | 2+857.506 | 5516231.9825 | 630156.3628 | C53 | 165.000 | 2°21'30" | 3.396 | 6.791 | 6.791 |
| PT | 2+864.297 | 5516238.2062 | 630153.6467 | C54 | 165.000 | 3°43'41" | 5.370 | 10.736 | 10.734 |
| PT | 2+945.961 | 5516312.3652 | 630119.4497 | C55 | 3000.000 | 1°31'59" | 40.139 | 80.274 | 80.271 |
| PC | 3+000.591 | 5516362.8741 | 630098.6338 | C56 | 600.137 | 12°22'42" | 65.081 | 129.656 | 129.404 |
| PT | 3+011.327 | 5516372.6601 | 630094.2231 | C57 | 172.100 | 30°10'08" | 46.386 | 90.618 | 89.575 |
| PCC | 3+106.661 | 5516458.2528 | 630052.2423 | C58 | 100.407 | 13°28'59" | 11.869 | 23.628 | 23.574 |
| PCC | 3+186.934 | 5516529.8062 | 630015.8613 | C59 | 100.379 | 5°25'51" | 4.761 | 9.514 | 9.511 |
| PT | 3+316.549 | 5516637.2046 | 629943.6746 | C60 | 24.598 | 31°06'29" | 6.847 | 13.355 | 13.192 |

| NORTH TOWN ROAD (EASTBOUND) (C10) | | | | | | | | | |
|-----------------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|--------|--------|--------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 0+415.323 | 5517818.0053 | 629866.4291 | C67 | 271.498 | 19°51'29" | 47.526 | 94.098 | 93.628 |
| PT | 0+509.421 | 5517845.0002 | 629956.0811 | | | | | | |
| EP | 0+589.169 | 5517854.4819 | 630035.2632 | | | | | | |

| NORTH TOWN ROAD (WESTBOUND) (C11) | | | | | | | | | |
|-----------------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|--------|---------|---------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 0+411.273 | 5517825.5999 | 629862.6117 | C68 | 280.000 | 21°11'57" | 52.398 | 103.598 | 103.008 |
| PT | 0+514.872 | 5517854.1429 | 629961.5864 | | | | | | |
| EP | 0+585.398 | 5517860.8871 | 630031.7901 | | | | | | |

| MULTI-USE PATH | | | | | | | | | |
|-----------------------|-----------|--------------|-------------|-----------------------|---------|-----------|--------|--------|--------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| BP | 4+099.523 | 5517441.7893 | 629984.7261 | C73 | 31.500 | 37°09'58" | 10.591 | 20.433 | 20.077 |
| PC | 4+111.971 | 5517454.0480 | 629982.5670 | C74 | 38.500 | 53°56'58" | 19.595 | 36.251 | 34.927 |
| PRC | 4+132.404 | 5517473.8993 | 629985.5672 | C75 | 100.000 | 15°26'57" | 13.564 | 26.964 | 26.882 |
| PRC | 4+162.511 | 5517508.8261 | 629985.6906 | C76 | 446.500 | 11°51'10" | 46.349 | 92.367 | 92.203 |
| PT | 4+185.644 | 5517534.2365 | 629976.9175 | C78 | 53.500 | 13°06'20" | 6.145 | 12.237 | 12.211 |
| PC | 4+227.407 | 5517549.0823 | 629973.9448 | | | | | | |
| PT | 4+332.123 | 5517640.8765 | 629965.2733 | | | | | | |
| PC | 4+467.900 | 5517739.3924 | 629966.1843 | | | | | | |
| EP | 4+489.488 | 5517826.8938 | 629968.7474 | | | | | | |

| MULTI-USE PATH (FUTURE) | | | | | | | | | |
|-------------------------|-----------|--------------|-------------|-----------------------|---------|-----------|---------|---------|---------|
| POINT TABLE - CONTROL | | | | CURVE TABLE - CONTROL | | | | | |
| CONTROL PT | STATION | NORTHING | EASTING | Curve # | Radius | Delta | Tc | L | L.C. |
| PT | 2+922.376 | 5516303.6373 | 630159.9832 | C69 | 506.698 | 23°26'48" | 105.147 | 207.352 | 205.908 |
| PI | 3+036.367 | 5516412.0207 | 630118.8105 | C70 | 507.000 | 7°23'15" | 32.731 | 65.372 | 65.326 |
| PC | 3+232.068 | 5516637.9798 | 630025.6533 | C71 | 543.000 | 18°15'51" | 87.287 | 173.093 | 172.361 |
| PCC | 3+488.781 | 5516840.0395 | 629986.0297 | C72 | 175.000 | 10°52'02" | 16.646 | 33.192 | 33.142 |
| PT | 3+554.153 | 5516905.1540 | 629991.2875 | | | | | | |
| PT | 3+659.984 | 5517009.8830 | 630006.5197 | | | | | | |
| PT | 3+721.171 | 5517070.4332 | 630015.3264 | | | | | | |
| PC | 3+766.407 | 5517115.1981 | 630021.8373 | | | | | | |
| PT | 3+939.499 | 5517287.5395 | 630019.2600 | | | | | | |
| PC | 4+054.977 | 5517401.2668 | 629999.2296 | | | | | | |
| PT | 4+088.169 | 5517434.3044 | 629996.5974 | | | | | | |

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WARNING

- IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 - TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
 - OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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|--|---------------|-------------------------------|--------------------|--|---|---|
| UNDERGROUND STRUCTURES 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. | B.M. ELEV. | DESIGNED BY R.T.F., J.D.P. | DESIGN TEAM | ENGINEER'S SEAL PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER V.M. MAROTI MEMBER 30809 | THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT | CITY DRAWING NUMBER P-3345-31 |
| | | DRAWN BY J.D.P. | Stantec | V.M. MAROTI MEMBER 30809 | WWARP PART 3 - CONTRACT 1 STA 2+922.4 TO STA 5+935 KENASTON BOULEVARD EXTENSION - SB LANES HORIZONTAL CONTROL GEOMETRY DATA TABLES | SHEET 31 OF 64 |
| | | CHECKED BY S.B.C. | | | | RELEASED FOR CONSTRUCTION DATE _____ |
| | | APPROVED BY V.M.M. | HOR. SCALE ---- | CONSULTANT PROJECT NUMBER 113705751 | | |
| | NO. REVISIONS | DATE | BY | DATE | 13/02/22 | |

