



- CONSTRUCTION NOTES**
1. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 250mm CONCRETE PAVEMENT (PLAIN DOWELLED) WITH 180mm INTEGRAL BARRIER CURB
 2. MILL/RECLAIM EXISTING ASPHALT PATH AND CONSTRUCT NEW 100mm ASPHALT PATH
 3. CONSTRUCT SEPARATE CONCRETE SPLASH STRIP (SD-223B) SEE DETAIL DWG 17
 4. RE-GRADE EXISTING DITCH
 5. INSTALL CURB INLET FRAME
 6. CONSTRUCT 200mm PAVEMENT WITH SEPARATE 180mm BARRIER CURB
 7. PLANE EXISTING ASPHALT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE 1A
 8. CONSTRUCT BARRIER CURB (180mm HT, REVEAL)

- GENERAL NOTES**
- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
 - B. ALL CURB RADII UNDER 15.0m SHALL BE MODIFIED
 - C. ADD 200.000m TO ALL DESIGN ELEVATION TO OBTAIN GEODETIC ELEVATIONS
 - D. CURB REPLACEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR
 - E. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION
 - F. ADJUST ALL EXISTING WATER VALVES AND CURB STOPS TO GRADE

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

BID OPPORTUNITY NO. 2-2018

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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>⊕</td><td>HYDRANT</td><td>◆</td><td>---</td><td>LDS/WWS</td><td>---</td><td>CONCRETE</td><td>▨</td><td>LOCATION APPROVED</td><td rowspan="2">B.M. ELEV.</td></tr> <tr><td>⊙</td><td>VALVE</td><td>●</td><td>---</td><td>WATERMAIN</td><td>---</td><td>CONCRETE SIDEWALK</td><td>▨</td><td>UNDERGROUND STRUCTURES</td></tr> <tr><td>⊖</td><td>CURB STOP</td><td>●</td><td>---</td><td>GAS</td><td>---</td><td>ASPHALT</td><td>▨</td><td></td></tr> <tr><td>○</td><td>MANHOLE</td><td>●</td><td>---</td><td>TRAFFIC SIGNALS</td><td>---</td><td>DITCH FLOW</td><td>▨</td><td></td></tr> <tr><td>□</td><td>CATCH BASIN</td><td>●</td><td>---</td><td>HYDRO/STREET LIGHT</td><td>---</td><td>DITCH - TOP OF SLOPE</td><td>▨</td><td></td></tr> <tr><td>△</td><td>CURB INLET</td><td>●</td><td>---</td><td>MTS</td><td>---</td><td>CULVERT</td><td>▨</td><td></td></tr> <tr><td>○</td><td>HYDRO POLE</td><td>●</td><td>---</td><td>CURB RENEWAL</td><td>---</td><td>LDS FLOW DIRECTION</td><td>▨</td><td></td></tr> <tr><td>○</td><td>LIGHT STANDARD</td><td>●</td><td>---</td><td>PROPERTY LINE</td><td>---</td><td>EDGE OF PAVEMENT</td><td>▨</td><td></td></tr> <tr><td>○</td><td>TRAFFIC SIGNAL POLE</td><td>●</td><td>---</td><td>RAMP CURB</td><td>---</td><td>EXISTING</td><td>▨</td><td></td></tr> <tr><td>⊕</td><td>SURVEY BAR</td><td>◆</td><td>---</td><td>ELEVATIONS</td><td>(31.000)</td><td>PROPOSED</td><td>▨</td><td></td></tr> <tr><td>⊕</td><td>GEODETIC BENCH MARK</td><td>◆</td><td>---</td><td>TREELINE</td><td>---</td><td></td><td>▨</td><td></td></tr> <tr><td>⊕</td><td>EXISTING</td><td>---</td><td>---</td><td>LEGEND - PLAN</td><td>PROPOSED</td><td></td><td>▨</td><td></td></tr> </table> | ⊕ | HYDRANT | ◆ | --- | LDS/WWS | --- | CONCRETE | ▨ | LOCATION APPROVED | B.M. ELEV. | ⊙ | VALVE | ● | --- | WATERMAIN | --- | CONCRETE SIDEWALK | ▨ | UNDERGROUND STRUCTURES | ⊖ | CURB STOP | ● | --- | GAS | --- | ASPHALT | ▨ | | ○ | MANHOLE | ● | --- | TRAFFIC SIGNALS | --- | DITCH FLOW | ▨ | | □ | CATCH BASIN | ● | --- | HYDRO/STREET LIGHT | --- | DITCH - TOP OF SLOPE | ▨ | | △ | CURB INLET | ● | --- | MTS | --- | CULVERT | ▨ | | ○ | HYDRO POLE | ● | --- | CURB RENEWAL | --- | LDS FLOW DIRECTION | ▨ | | ○ | LIGHT STANDARD | ● | --- | PROPERTY LINE | --- | EDGE OF PAVEMENT | ▨ | | ○ | TRAFFIC SIGNAL POLE | ● | --- | RAMP CURB | --- | EXISTING | ▨ | | ⊕ | SURVEY BAR | ◆ | --- | ELEVATIONS | (31.000) | PROPOSED | ▨ | | ⊕ | GEODETIC BENCH MARK | ◆ | --- | TREELINE | --- | | ▨ | | ⊕ | EXISTING | --- | --- | LEGEND - PLAN | PROPOSED | | ▨ | | <p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>DATE</p> <p>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.</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>2.</td><td>ISSUED FOR TENDER</td><td>08/03/2018</td><td>R.W.</td></tr> <tr><td>1.</td><td>SUBMIT FOR PLAN APPROVAL</td><td>13/02/2018</td><td>R.W.</td></tr> <tr><td>NO.</td><td>REVISIONS</td><td>DATE</td><td>BY</td></tr> </table> | 2. | ISSUED FOR TENDER | 08/03/2018 | R.W. | 1. | SUBMIT FOR PLAN APPROVAL | 13/02/2018 | R.W. | NO. | REVISIONS | DATE | BY | <p style="text-align: center;">ENGINEERING DIVISION TECHNOLOGY SERVICES BRANCH 106 - 1155 PACIFIC AVE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DESIGNED BY</td><td>R.W.</td><td>CHECKED BY</td><td>A.M.C.</td></tr> <tr><td>DRAWN BY</td><td>M.S.</td><td>APPROVED BY</td><td></td></tr> </table> <p>HOR. SCALE: 1 : 250 VERTICAL: 1 : 10 DATE: 13/02/2018</p> | DESIGNED BY | R.W. | CHECKED BY | A.M.C. | DRAWN BY | M.S. | APPROVED BY | | <p style="text-align: center;">ENGINEER'S SEAL</p> <p style="text-align: center;">PROVINCE OF MANITOBA FIRST LAST Member # REGISTERED ENGINEER</p> | <p style="text-align: center;">THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT</p> <p style="text-align: center;">ROBLIN BOULEVARD EASTBOUND FROM ASSINIBOINE PARK DRIVE TO SHAFTESBURY BOULEVARD CONCRETE RECONSTRUCTION AND ASSOCIATED WORKS</p> <p style="text-align: center;">ROBLIN BOULEVARD MULTI-USE PATHWAY FROM CHALFONT ROAD TO SHAFTESBURY BOULEVARD REHABILITATION AND ASSOCIATED WORKS FROM STA. 2+30 TO STA. 3+40</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>CITY DRAWING NUMBER</td><td>P-3490-02</td></tr> <tr><td>SHEET</td><td>2 OF 30</td></tr> <tr><td></td><td style="text-align: center;">2</td></tr> </table> | CITY DRAWING NUMBER | P-3490-02 | SHEET | 2 OF 30 | | 2 |
| ⊕ | HYDRANT | ◆ | --- | LDS/WWS | --- | CONCRETE | ▨ | LOCATION APPROVED | B.M. ELEV. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊙ | VALVE | ● | --- | WATERMAIN | --- | CONCRETE SIDEWALK | ▨ | UNDERGROUND STRUCTURES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊖ | CURB STOP | ● | --- | GAS | --- | ASPHALT | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | MANHOLE | ● | --- | TRAFFIC SIGNALS | --- | DITCH FLOW | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ | CATCH BASIN | ● | --- | HYDRO/STREET LIGHT | --- | DITCH - TOP OF SLOPE | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| △ | CURB INLET | ● | --- | MTS | --- | CULVERT | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | HYDRO POLE | ● | --- | CURB RENEWAL | --- | LDS FLOW DIRECTION | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | LIGHT STANDARD | ● | --- | PROPERTY LINE | --- | EDGE OF PAVEMENT | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | TRAFFIC SIGNAL POLE | ● | --- | RAMP CURB | --- | EXISTING | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | SURVEY BAR | ◆ | --- | ELEVATIONS | (31.000) | PROPOSED | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | GEODETIC BENCH MARK | ◆ | --- | TREELINE | --- | | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | EXISTING | --- | --- | LEGEND - PLAN | PROPOSED | | ▨ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | ISSUED FOR TENDER | 08/03/2018 | R.W. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| NO. | REVISIONS | DATE | BY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGNED BY | R.W. | CHECKED BY | A.M.C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY | M.S. | APPROVED BY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CITY DRAWING NUMBER | P-3490-02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHEET | 2 OF 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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