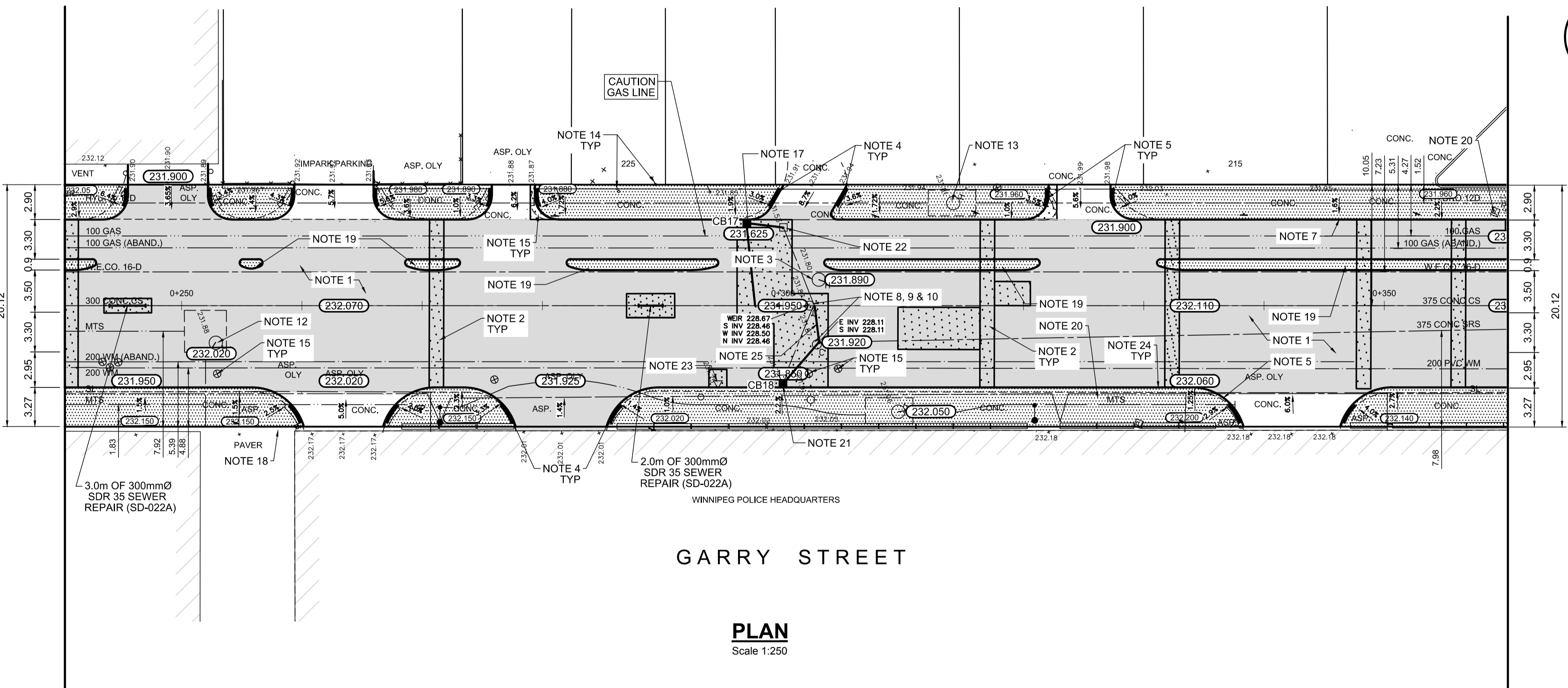


TYPICAL SECTION
Scale NTS

DESCRIPTION	RIM ELEV.	INVERT				CONNECTION	LEAD
		EAST	WEST	NORTH	SOUTH		
CB17	231.625		229.975			EX. 300 CS	7.2m-250Ø @ 2% Min
CB18	231.850	230.35				EXIST. MH	5.0m-250Ø @ 2% Min

- REFERENCE NOTES**
- PAVEMENT DIMENSIONS ARE TO BACK OF CURB
 - BASELINE IS CENTRELINE OF RIGHT-OF-WAY
 - PROPERTY LINES OBTAINED FROM THE CITY OF WINNIPEG L.B.I.S., AND SCALE FACTOR WAS APPLIED
 - REFER TO AECOM FIELD BOOK NO. 4987
 - REFER TO DWGS CT-40 FOR STREETSCAPING ELEMENTS.
 - CATCH BASIN CONNECTIONS TO SEWER DESIGNED TO MAINTAIN PRE-CONSTRUCTION CAPACITY BY CATCHBASIN LEAD RESTRICTION AS INDICATED ON THE DRAWINGS. ADDITIONAL OR MODIFIED CONNECTIONS TO THE SEWER SYSTEM BEYOND THOSE INDICATED ON THE DRAWINGS REQUIRE REVIEW AND WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR.
 - SEE DRAWING CT-43 FOR BOLLARD INSTALLATION DETAILS.

- CONSTRUCTION NOTES:**
- PLANE EXISTING ASPHALT AND CONSTRUCT NEW ASPHALTIC PAVEMENT OVERLAY TYPE 1A (AVERAGE THICKNESS 85mm)
 - REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT c/w 85mm TYPE 1A ASPHALT OVERLAY
 - REMOVE EXISTING CONCRETE SIDEWALK AND CONSTRUCT NEW 100mm SIDEWALK c/w PAVING STONE BAND (SEE DETAIL 2, CT-43)
 - RENEW EXISTING MONOLITHIC CURB RAMP (10mm HT. INTEGRAL)
 - CONSTRUCT NEW MODIFIED BARRIER CURB (150mm AVG. HT. REVEAL SEPARATE)
 - REMOVE EXISTING BARRIER CURB
 - RENEW EXISTING BARRIER CURB (100mm AVG. HT. REVEAL)
 - ADJUST EXISTING CATCH BASIN/MANHOLE TO GRADE
 - REMOVE EXISTING FRAME AND COVER AND PLACE NEW FRAME AND COVER (AP-004 AND AP-005)
 - INSTALL NEW CAST IRON RISER RING
 - INSTALL NEW DETECTABLE SURFACE WARNING TILES
 - ADJUST MTS MANHOLE FRAME AND COVER c/w 50mm CAST IRON RISER RING (BY OTHERS)
 - ADJUST EXISTING HYDRO MANHOLE (BY OTHERS)
 - ADJUST EXISTING CURB STOP TO GRADE
 - INSTALL VALVE BOX EXTENSION
 - REMOVE EXISTING CATCHBASIN AND CURB INLET
 - INSTALL NEW CURB AND GUTTER INLET c/w CATCHBASIN (SD-024) AND CONNECT TO EXISTING SEWER/MANHOLE
 - REGRADE EXISTING PAVING STONES
 - CONSTRUCT NEW MONOLITHIC CONCRETE MEDIAN
 - REMOVE EXISTING PARKING PAY STATION (BY OTHERS)
 - REMOVE AND REPLACE EXIST. CATCHBASIN AND CONNECT TO EXIST. LEAD (SD-024)
 - REMOVE EXIST. CATCHBASIN AND ABANDON EXIST. LEAD
 - REMOVE EXIST. CATCHPIT
 - CONSTRUCT NEW BARRIER CURB (100mm AVG. HT. REVEAL DOWELLED)
 - REPAIR 3.0m OF 250mmØ SEWER SERVICE



PLAN
Scale 1:250

<table border="1"> <tr> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> </tr> <tr> <td>HYDRANT</td> <td>VALVE</td> <td>MANHOLE</td> <td>CATCH BASIN</td> </tr> <tr> <td>LAND DRAINAGE SEWER</td> <td>WASTEWATER SEWER</td> <td>PROPERTY LINE</td> <td>SURVEY BAR</td> </tr> <tr> <td></td> <td></td> <td>ELEVATION</td> <td>(35.750)</td> </tr> <tr> <td></td> <td></td> <td>TREE</td> <td>SIDEWALK RAMP</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CONCRETE SIDEWALK</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FENCE</td> </tr> </table>	150 mm W.M.	150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRANT	VALVE	MANHOLE	CATCH BASIN	LAND DRAINAGE SEWER	WASTEWATER SEWER	PROPERTY LINE	SURVEY BAR			ELEVATION	(35.750)			TREE	SIDEWALK RAMP				CONCRETE SIDEWALK				FENCE	<table border="1"> <tr> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> </tr> <tr> <td>HYDRO</td> <td>M.T.S.</td> <td>CONCRETE</td> <td>ASPHALT</td> </tr> <tr> <td>PROPERTY LINE</td> <td>SURVEY BAR</td> <td>ELEVATION</td> <td>(35.750)</td> </tr> <tr> <td></td> <td></td> <td>TREE</td> <td>SIDEWALK RAMP</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CONCRETE SIDEWALK</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FENCE</td> </tr> </table>	150 mm W.M.	150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRO	M.T.S.	CONCRETE	ASPHALT	PROPERTY LINE	SURVEY BAR	ELEVATION	(35.750)			TREE	SIDEWALK RAMP				CONCRETE SIDEWALK				FENCE	<table border="1"> <tr> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> </tr> <tr> <td>HYDRO</td> <td>M.T.S.</td> <td>CONCRETE</td> <td>ASPHALT</td> </tr> <tr> <td>PROPERTY LINE</td> <td>SURVEY BAR</td> <td>ELEVATION</td> <td>(35.750)</td> </tr> <tr> <td></td> <td></td> <td>TREE</td> <td>SIDEWALK RAMP</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CONCRETE SIDEWALK</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FENCE</td> </tr> </table>	150 mm W.M.	150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRO	M.T.S.	CONCRETE	ASPHALT	PROPERTY LINE	SURVEY BAR	ELEVATION	(35.750)			TREE	SIDEWALK RAMP				CONCRETE SIDEWALK				FENCE	<table border="1"> <tr> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> <th>150 mm W.M.</th> </tr> <tr> <td>HYDRO</td> <td>M.T.S.</td> <td>CONCRETE</td> <td>ASPHALT</td> </tr> <tr> <td>PROPERTY LINE</td> <td>SURVEY BAR</td> <td>ELEVATION</td> <td>(35.750)</td> </tr> <tr> <td></td> <td></td> <td>TREE</td> <td>SIDEWALK RAMP</td> </tr> <tr> <td></td> <td></td> <td></td> <td>CONCRETE SIDEWALK</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FENCE</td> </tr> </table>	150 mm W.M.	150 mm W.M.	150 mm W.M.	150 mm W.M.	HYDRO	M.T.S.	CONCRETE	ASPHALT	PROPERTY LINE	SURVEY BAR	ELEVATION	(35.750)			TREE	SIDEWALK RAMP				CONCRETE SIDEWALK				FENCE	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE 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>	<p>B.M. 38 - 035 ELEV. 232.286</p> <p>S.W. Cor. Notre Dame Ave. & Hargrave St., Tbl. in N. Conc. Road, No. 440 Hargrave St., 1m W. & 0.3 m below Tyndall Stone of N.E. Cor. of Bldg.</p>	<p>AECOM</p> <p>DESIGNED BY: KWR CHECKED BY: KWR</p> <p>DRAWN BY: PAAP APPROVED BY: KWR</p> <p>HOR. SCALE: 1:250 VERTICAL: 1:10</p> <p>RELEASED FOR CONSTRUCTION BY: DATE</p> <p>CONSULTANT DRAWING NO. CT-23</p>	<p>THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION</p> <p>DOWNTOWN BIKE LANE SYSTEM AND STREET IMPROVEMENT</p> <p>PLAN/PROFILE GRADING PLAN GARRY STREET STATION 0+240 TO STATION 0+360</p> <p>CITY DRAWING NUMBER P-3495-23 SHEET 23 OF 45</p>
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