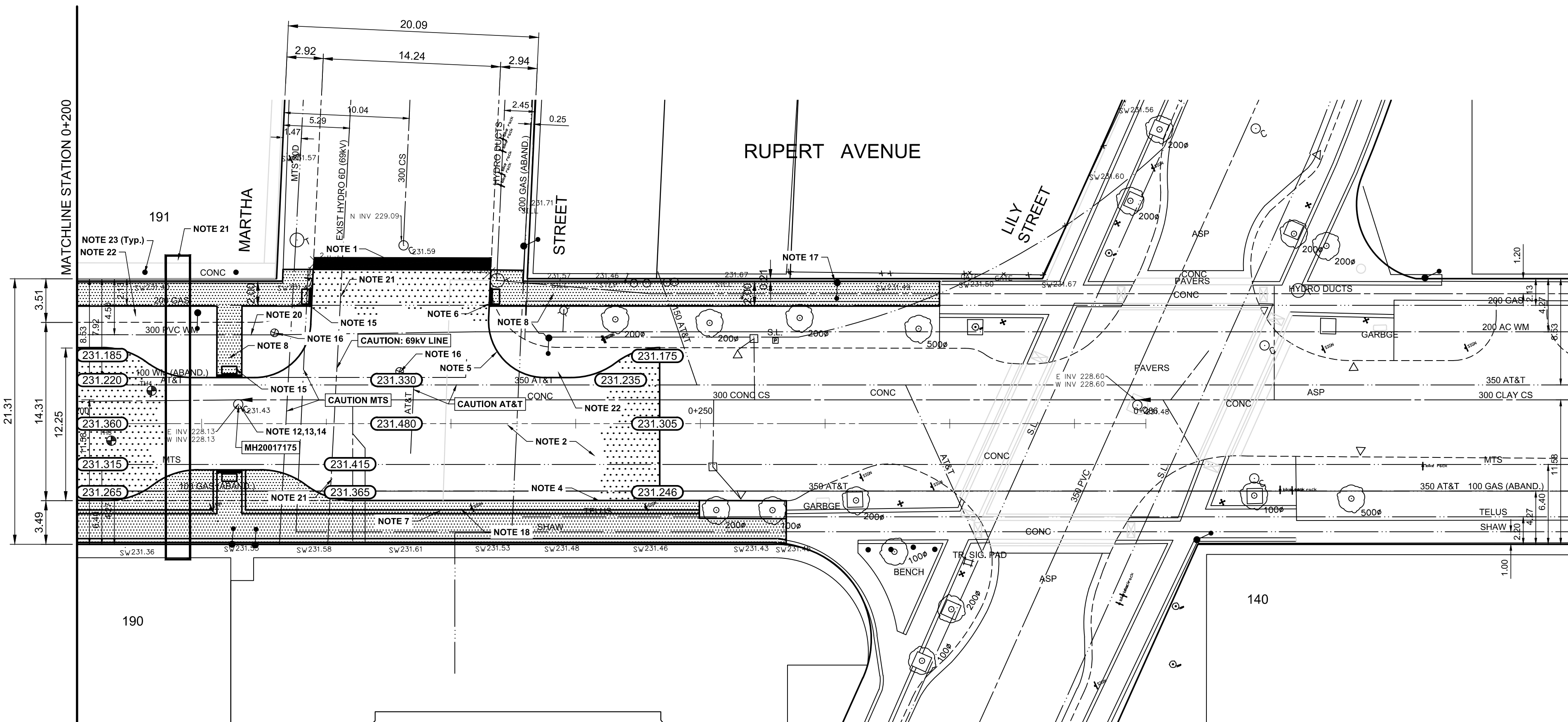


TYPICAL CROSS SECTION  
Scale N.T.S.



REFERENCE NOTES:

- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- B. PROPERTY LINES OBTAINED FROM CITY OF WINNIPEG L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
- C. REFER TO AECOM FIELD BOOK NO. 5190

CONSTRUCTION NOTES:

1. AT TIE INS, REMOVE EXISTING ASPHALT PAVEMENT AND PLACE NEW ASPHALT PAVEMENT OVERLAY MS2 (85mm AVERAGE THICKNESS)
2. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 230mm PLAIN DOWELED CONCRETE PAVEMENT. INSTALL REINFORCING IN LOCATIONS INDICATED BY CONTRACT ADMINISTRATOR
3. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 200mm REINFORCED CONCRETE PAVEMENT
4. CONSTRUCT NEW CONCRETE BARRIER CURB (180mm HT. INTEGRAL)
5. CONSTRUCT NEW CONCRETE MODIFIED BARRIER CURB (180mm HT. INTEGRAL)
6. CONSTRUCT NEW CONCRETE CURB RAMP (10-12mm HT. INTEGRAL)
7. REMOVE EXISTING 100mm SIDEWALK AND CONSTRUCT NEW 100mm CONCRETE SIDEWALK c/w BLOCKOUT, PAVING BAND AND SIDEWALK EXPANSION JOINTS
8. RENEW EXISTING 100mm CONCRETE SIDEWALK INCLUDING SIDEWALK EXPANSION JOINTS
9. INSTALL NEW BARRIER CURB AND ARCHED GUTTER INLET c/w CATCH BASIN (SD-024) AND CONNECT NEW 250mm LEAD TO EXISTING 375 CONCRETE COMBINED SEWER
10. INSTALL NEW SUB DRAIN, 6m ON EACH SIDE OF CATCH BASIN
11. REMOVE EXISTING CATCH BASIN / CATCH PIT
12. ADJUST EXISTING MANHOLE / CATCH BASIN TO GRADE
13. INSTALL NEW CAST IRON RISER RING
14. REMOVE EXISTING FRAME AND COVER AND PLACE NEW STANDARD FRAME AND SOLID COVER (AP-006 / AP-007)
15. INSTALL NEW DETECTABLE WARNING SURFACE TILE
16. ADJUST EXISTING WATER VALVE TO GRADE
17. REPLACE EXISTING STREETLIGHT AS PER MB HYDRO DRAWINGS
18. INSTALL PEDESTRIAN LIGHTING AS PER MB HYDRO DRAWINGS
19. INSTALL CROSSWALK SIGNAGE AND LINE PAINTING (BY OTHERS)
20. CONTRACTOR TO LOCATE AND INSULATE WATERMAIN LONG SIDE SERVICES AS PER SD-018
21. COMPLETE HYDRO EXCAVATION EXPLORATION ACROSS FULL WIDTH OF ROW TO DETERMINE DEPTH OF ANY EXISTING UTILITIES. CONTACT UTILITY TO DISCUSS IF HYDRO WATCH IS REQUIRED PRIOR TO COMMENCING EXCAVATION. LOCATE GAS, UNITEK, MTS, MB HYDRO 69KV AND ABANDONED GAS
22. GRADE BOULEVARD AND SOD
23. PROTECT EXISTING POWERED PARKING PEDESTAL DURING CONSTRUCTION

PRELIMINARY  
NOT FOR CONSTRUCTION

**ENGINEERS  
GEOSCIENTISTS  
MANITOBA**  
Certificate of Authorization  
AECOM Canada ULC.  
No. 4671 Date: \_\_\_\_\_

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

| EXISTING     | LEGEND - PLAN       | PROPOSED     | EXISTING          | LEGEND - PLAN     | PROPOSED          | EXISTING | LEGEND - PROFILE  | PROPOSED |
|--------------|---------------------|--------------|-------------------|-------------------|-------------------|----------|-------------------|----------|
| 150 mm W.M.  | WATERMAIN           | 150 mm W.M.  | HYDRO             | HYDRO             | HYDRO             | —X—X—    | PROFILE           | —X—X—    |
| 300mm L.D.S. | HYDRANT             | 300mm L.D.S. | M.T.S.            | M.T.S.            | M.T.S.            | —□—□—    | N/W GUTTER        | —□—□—    |
| 250mm W.W.S. | VALVE               | 250mm W.W.S. | CONCRETE          | CONCRETE          | CONCRETE          | —○—○—    | S/E GUTTER        | —○—○—    |
|              | LAND DRAINAGE SEWER |              | ASPHALT           | ASPHALT           | ASPHALT           | —◇—◇—    | N/W PROPERTY LINE | —◇—◇—    |
|              | WASTEWATER SEWER    |              | PROPERTY LINE     | PROPERTY LINE     | PROPERTY LINE     | —○—○—    | S/E PROPERTY LINE | —○—○—    |
|              | MANHOLE             |              | SURVEY BAR        | SURVEY BAR        | SURVEY BAR        |          |                   |          |
|              | CATCH BASIN         |              | ELEVATION         | ELEVATION         | ELEVATION         |          |                   |          |
|              | CATCH PIT           |              | TREE              | TREE              | TREE              |          |                   |          |
|              | TRAFFIC SIGNAL POLE |              | SIDEWALK RAMP     | SIDEWALK RAMP     | SIDEWALK RAMP     |          |                   |          |
|              | STREET LIGHT        |              | CONCRETE SIDEWALK | CONCRETE SIDEWALK | CONCRETE SIDEWALK |          |                   |          |
|              | GAS                 |              | FENCE             | FENCE             | FENCE             |          |                   |          |

LOCATION APPROVED  
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES  
COMMITTEE

NOTE:  
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN 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. Zone: 35, # 4, 74M637 - Toll. in N. wall of City Administration Building., 0.6m E. of W. entrance on James Ave.  
ELEVATION: 232.156

| NO. | REVISIONS         | DATE       | BY  |
|-----|-------------------|------------|-----|
| 0   | ISSUED FOR TENDER | 2025/04/22 | TLF |
| A   | ISSUED FOR REVIEW | 2025/04/09 | TLF |

| DESIGNED BY | SDF   | CHECKED BY                    | SS         |
|-------------|-------|-------------------------------|------------|
| DRAWN BY    | SDF   | APPROVED BY                   | TLF        |
| HOR. SCALE: | 1:250 | RELEASED FOR CONSTRUCTION BY: |            |
| VERTICAL:   | 1:10  | DATE                          | 02/12/2024 |

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
REGISTERED PROFESSIONAL ENGINEER  
FINDLAY  
Member  
23820  
2025-04-21  
CONSULTANT DRAWING NO.  
CT-13

| THE CITY OF WINNIPEG<br>PUBLIC WORKS DEPARTMENT<br>ENGINEERING DIVISION          |  | CITY DRAWING NUMBER |
|--|--|---------------------|
| 2025 INDUSTRIAL STREET RENEWAL PROGRAM<br>RUPERT AVENUE                          |  | SHEET 13 OF 17      |
| CONCRETE PAVEMENT RECONSTRUCTION<br>STATION 0+195 TO LILY STREET<br>PLAN/PROFILE |  |                     |