| 234.00 | CONCRETE BARRIER WWS MH RIM 32 56 CENTRELINE | 234.00 |
|--------|--|---------|
| 233.00 | SEE SHEET-18 FOR ADDITIONAL SURFACE WORKS INFORMATION Image: Contracting | 233.00— |
| 232.00 | CONCRETE HEAD WALL - CONCRETE BOX CUVLERT - C | 232.00— |
| 231.00 | ON CREEK BANK RIP RAP | 231.00 |
| 230.00 | EX 150 PVC WM EX 375 PVC CS EX 375 PVC CS 2 | 230.00— |
| 229.00 | EXISTING 150 WATER MAIN TO BE REMOVED | 229.00— |
| 228.00 | BOTTOM OF CONCRETE HEAD WALL ELEV 28.65 | 228.00- |
| 227.00 | Image: NV 27.25 Image: NV 27.25 <td< td=""><td>227.00—</td></td<> | 227.00— |
| 226.00 | 2 A ALVE A A | 226.00 |
| 225.00 | 150 1 | 225.00— |
| 224.00 | 5+00 5+10 6+0 5+7.0 5+47.0 5 | 224.00 |



NOTE: These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

| WATER MAIN | | HYDRO POLE & LIGHT STANDARD | | | | | | |
|---------------------|--------------------|--|---|--|--|--|------------------------|---|
| LAND DRAINAGE SEWER | | LIGHT STANDARD OR TRAFFIC SIGNAL | | | | | | |
| WASTE WATER SEWER | | HYDRO POLE | | | | | | |
| | HYDRO | | | | | | | |
| | M.T.S. | | | | | | | |
| | GAS | | | CURB RAMP | | | | |
| | SIGNALS | | | DETECTABLE WARNING SURFACE TILE | | | | |
| 0 | MANHOLE | | | EDGE OF SIDEWALK | | | | |
| | CATCH BASIN | ▼ | -0/-0/ | FENCE | | | | |
| Δ | CURB INLET | △□○今 | | PROPERTY LINE | | | | |
| | UTILITIES ADJUSTED | | | EDGE OF ASPHALT | | | | |
| | PLUG | | | EDGE OF CONCRETE | | | | |
| -\$- | HYDRANT | | | MODIFIED BARRIER CURB | | | | |
| \otimes | VALVE | | | BARRIER CURB | | · | NORTH MEDIAN | <u> </u> |
| 5 | CURB STOP | | | BARRIER CURB AND GUTTER | | <u> </u> | SOUTH MEDIAN | — · — |
| 230.99 | GROUND GRADE | 31.00 | | MODIFIED BARRIER CURB AND GUTTER | | | NORTH OR WEST SIDEWALK | |
| (31.00) | PAVEMENT GRADE | | | CONCRETE SIDEWALK/MEDIAN | •••••• | | SOUTH OR EAST SIDEWALK | |
| \longrightarrow | ANCHOR | | | CONCRETE PAVEMENT | | | ROADWAY CENTRELINE | |
| #111 | CIVIC ADDRESS | | | ASPHALT OVERLAY | | | NORTH OR WEST GUTTER | |
| ф | IRON BAR | | | ASPHALT MILLING | | | SOUTH OR EAST GUTTER | |
| EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PROFILE | PROPC |
| | | LAND DRAINAGE SEWERWASTE WATER SEWERHYDROM.T.SGASSIGNALS○MANHOLE□CATCH BASIN△CURB INLET□UTILITIES ADJUSTED□PLUGYALVE◇CURB STOP230.99GROUND GRADE(31.00)PAVEMENT GRADE#111CIVIC ADDRESS#111RON BAREXISTINGLEGEND-PLAN | LAND DRAINAGE SEWERWASTE WATER SEWERHYDROHYDROM.T.SGASSIGNALS○MANHOLE□CATCH BASIN△CURB INLET△CURB INLET△PLUG·HYDRANT⊗VALVE♂CURB STOP230.99GROUND GRADE(31.00)PAVEMENT GRADE→ANCHOR#111CIVIC ADDRESS↓IRON BAREXISTINGLEGEND-PLANPROPOSED | LAND DRAINAGE SEWER → → WASTE WATER SEWER ₩ → HYDRO ₩ → M.T.S. ✓ → GAS ✓ → SIGNALS ✓ ○ MANHOLE ■ □ CATCH BASIN ▼ → △ CURB INLET △□ O.♀ → △ CURB INLET △□ O.♀ → □ PLUG → → ◇ HYDRANT → → ◇ VALVE → → ◇ VALVE → → ◇ QCURB STOP ✓ → 230.99 GROUND GRADE ③1.00 ○ (31.00) PAVEMENT GRADE ✓ → → ANCHOR ✓ ↓ ↓ IRON BAR ↓ ↓ EXISTING LEGEND-PLAN PROPOSED EXISTING | LAND DRAINAGE SEWER LIGHT STANDARD OR TRAFFIC SIGNAL WASTE WATER SEWER HP HYDRO POLE HYDRO HYDRO POLE M.T.S. CURB RAMP GAS DETECTABLE WARNING SURFACE TILE O MANHOLE Image: Curb Bild Wark EDGE OF SIDEWALK O MANHOLE Image: Curb Bild Wark FENCE △ CATCH BASIN Image: Curb Bild Wark FENCE △ CURB INLET Δ□ O·Q PROPERTY LINE UTILITES ADJUSTED EDGE OF CONCRETE ↓ UTILITES ADJUSTED EDGE OF CONCRETE ↓ UTILITES ADJUSTED EDGE OF CONCRETE ↓ HYDRANT MODIFIED BARRIER CURB ③ VALVE BARRIER CURB ♂ CURB STOP BARRIER CURB AND GUTTER 230.99 GROUND GRADE (31.00) MODIFIED BARRIER CURB AND GUTTER (31.00) PAVEMENT GRADE CONCRETE SIDEWALK/MEDIAN → ANCHOR ASPHALT OV | LAND DRAINAGE SEWER → LIGHT STANDARD OR TRAFFIC SIGNAL | LAND DRAINAGE SEWER | LAND DRAINAGE SEWER →→→→ LIGHT STANDARD OR TRAFFIC SIGNAL Image: Constraint of the second sec |

| | ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization WSP Canada Group Limited No. 6657 | | | | | | | | | |
|------------------------|---|------------|---|------------------|----|----------------|----------|------------------------------|--|----------------|
| | LOCATIONS APPROVED UNDERGROUND STRUCTURES | G.B ELE | M. = TOP NUT OF FIRST HYDRANT SOUTH OF INTERS BETWEEN NESS AVENUE AND LINWOOD STREET W. = 233.659 | ECTION | | | 5)) | WSP C 93 Lomba Wi | anada Group Limited rd Avenue, Suite 111 nnipeg MB R3B 3B1 T+1 204-943-3178 | ENGINEER'S SEA |
| | SIGNED BY: | | | | | 1 | | | F+ 1 204-943-4948 www.wsp.com | 1 Ave |
| • • • - | | | | | | DESIGNED BY | BJ | CHECKED BY | MW | RES W |
| | SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN | | | | | DRAWN BY | VA | APPROVED BY | JL | FRED PRO |
| | LOCATIONS ARE EXACT CONFIRMATION OF EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES | | | 17.11.00 | | HOR. SCALE | 1:250 | RELEASED FOR CONSTRUCTION | | CONSULTANT PF |
| PROPOSED | BEFORE PROCEEDING | 0 No. | REVISIONS | 17.11.23 DATE | BY | | 17.11.23 | DATE | | 17M-0 |

- GENERAL NOTES 1. ALL WORK IN ACCORDANCE WITH CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS. 2. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT
- AND REGULATIONS FOR CONSTRUCTION PROJECTS.
 THE CONTRACTOR IS ADVISED THAT WORK BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
- ADD 200.00m TO OBTAIN ACTUAL GEODETIC ELEVATIONS.
 CONTRACTOR TO VERIFY DEPTH OF UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OF THAT THE GIVEN LOCATIONS ARE EXACT, CONFIRMATION OF EXISTING AND EXACT LOCATIONS OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
- MAINTAIN ACCESS TO ALL ESTABLISHMENTS AT ALL TIMES. RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION, OR AS SPECIFIED ON THE DRAWINGS. 8. EXISTING DRAINAGE TO BE MAINTAINED AT ALL TIMES.

WATER MAIN

- 1. WATER MAIN SHALL BE POLYVINYL CHLORIDE (P.V.C.) CLASS 150 PIPE (DR18) MANUFACTURED TO AWWA C-900-89 WITH GASKET BELL END c/w #14 AWG COPPER TRACER WIRE. 2. ALL WATER MAIN SHALL BE INSTALLED TO A MINIMUM DEPTH OF COVER OF 2.75 METRES.
- 3. ALL WATER MAIN BEDDING SHALL BE CLASS '2.' GRANULAR BEDDING SHALL NOT BE LESS THAN 150mm BELOW THE PIPE AND 300mm ABOVE. 4. THRUST BLOCKS MUST BE INSTALLED ON ALL WATER MAIN BENDS AND TEES.
- WATER MAINS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE 5. WITH LOCAL PROVINCIAL GUIDELINES AND THE APPLICABLE BUILDING AND PLUMBING CODE. 6. ALL WATER MAINS SHALL BE BACTERIA LOGICALLY TESTED IN ACCORDANCE WITH CITY OF WINNIPEG AND PROVINCIAL GUIDELINES. ALL CHLORINATED WATER TO BE DISCHARGED AND PRETREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE CONTROLLED AND TREATED SO AS NOT TO ADVERSELY EFFECT THE ENVIRONMENT. THE LOCAL MUNICIPALITY MAY HAVE SPECIFIC REQUIREMENTS TO BE COMPLIED WITH. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MUNICIPAL AND/ OR PROVINCIAL REQUIREMENTS ARE FOLLOWED.



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