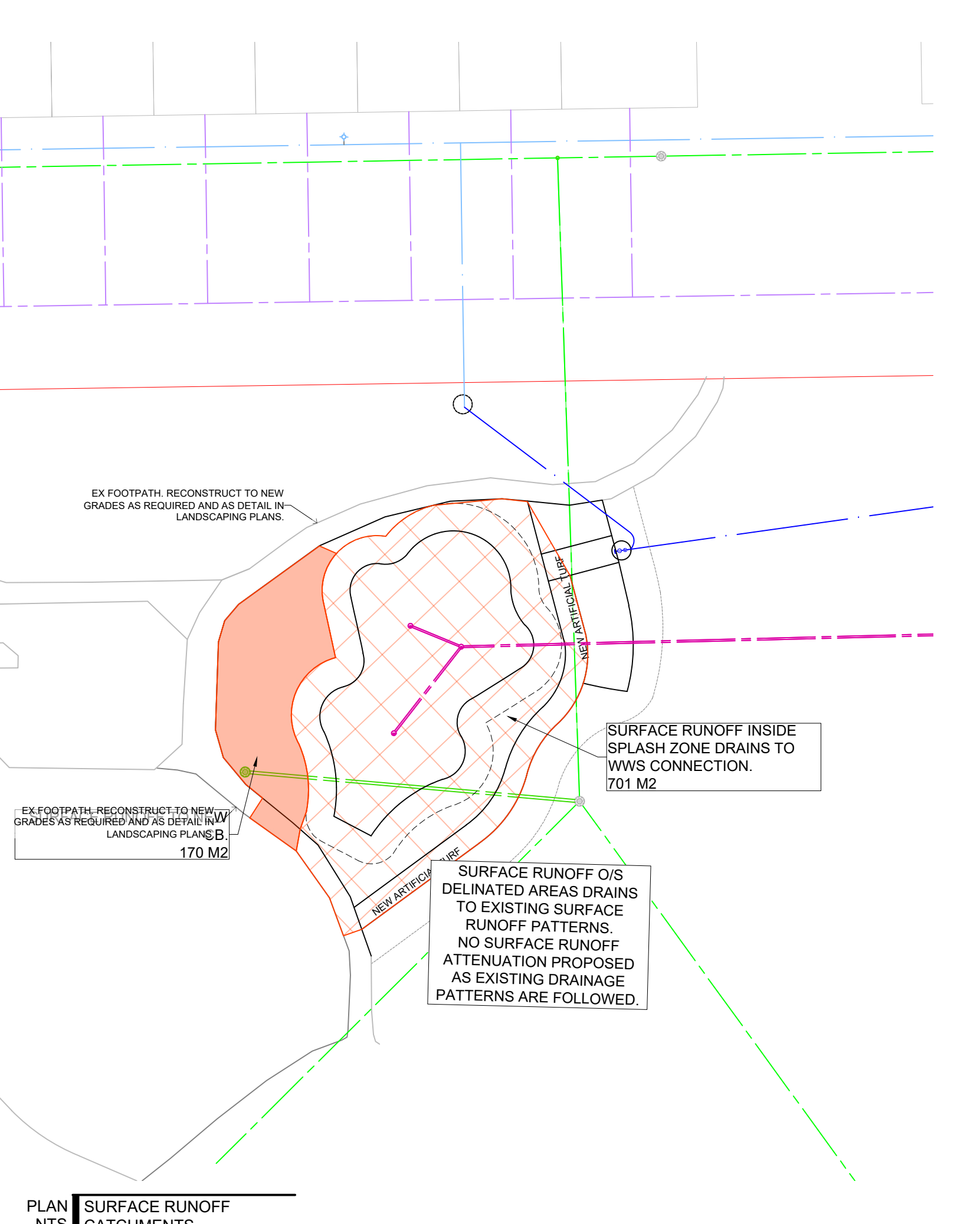


- Construction Specifications**
- Construction must conform to the City of Winnipeg, Standard Construction Specifications and all references contained herein refer to these specifications. "SD" refers to City of Winnipeg standard details.
 - All materials used for construction must conform to City of Winnipeg, Approved Products for Underground Use Within the City of Winnipeg except as indicated otherwise.
- Water Service to CW-2110**
- All water services to be saddle connection installed according to CW2110, SD-012.
 - Copper water service shall be in accordance with AWWA C800 and ASTM B88M, Type K, seamless water tubing.
 - Use Class 'B' Bedding where required according to SD-001.
 - For backfilling, refer to SD-002 as follows:
 - Class 'S' Backfill in landscaped & untraveled areas
 - Class '2' Backfill in gravel, hard-surfaced & traveled areas
- Gravity Sewers to CW-2030**
- All WWS service installation shall be in accordance with CW 2030/2130, SD-014
 - 150mm WWS service pipe shall be in accordance with CAN/CSA B182.2 and ASTM D3034, SDR-35.
 - Drainline to be single-wall perforated pipe with sock, ADS 06730020BS or approved equal.
 - Catchpits to be Nyoplast, Light Duty Inline Drain, no sump and complete with 12" drop-in grate or approved equal.
- Wastewater Flow Generation:**
- Spray equipment is design-build by other. Spray features to be sequenced to provide max flow rate of 40-60 US GPM.
- General Notes**
- Contractor to obtain all necessary permits.
 - Contractor to obtain clearances from all utilities before excavating. Confirm all existing infrastructure information in field before construction. Notify the Engineer immediately of any discrepancies that affect installation or design.
 - Confirm all dimensions before beginning construction.
 - Consult Geotechnical Report (if available) or geotechnical engineer to confirm the suitability of native soils for backfill.
 - Grading by Landscape Architect.
 - Existing topographic by Landscape Architect. Refer to Landscape Architect for topographic information.



PLAN 1:200 SERVICING & GRADING

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Existing	Proposed	Existing	Proposed	Existing	Proposed
EG -0.88%	2.98%	Hydrant	Hydrant	Contour	Contour
(394.98)	(239.45)	Curb Stop	Curb Stop	Ponding Area	Ponding Area
150 WWS	150 WWS	Valve	Valve		
250 WWS	250 WWS	Manhole	Manhole		
800 LDS	300 LDS	Catchbasin	Catchbasin		
				Topo Survey Point	Topo Survey Point

This is not a legal plan.
 Contours shown are approximated for reference only.
 Whole numbers are millimetre (mm)
 Decimal numbers are metres (m)
 Convert Metric to Standard 1.0m = 3.2808ft
 This plan is prepared only for the Client and may not be used by any other party without written consent.