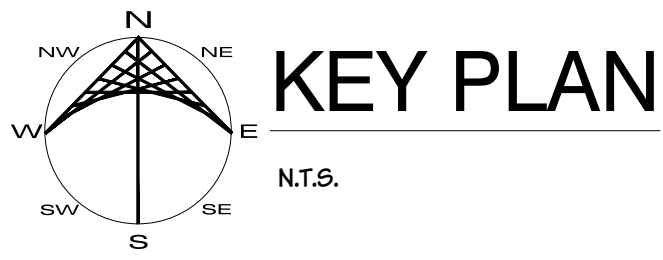
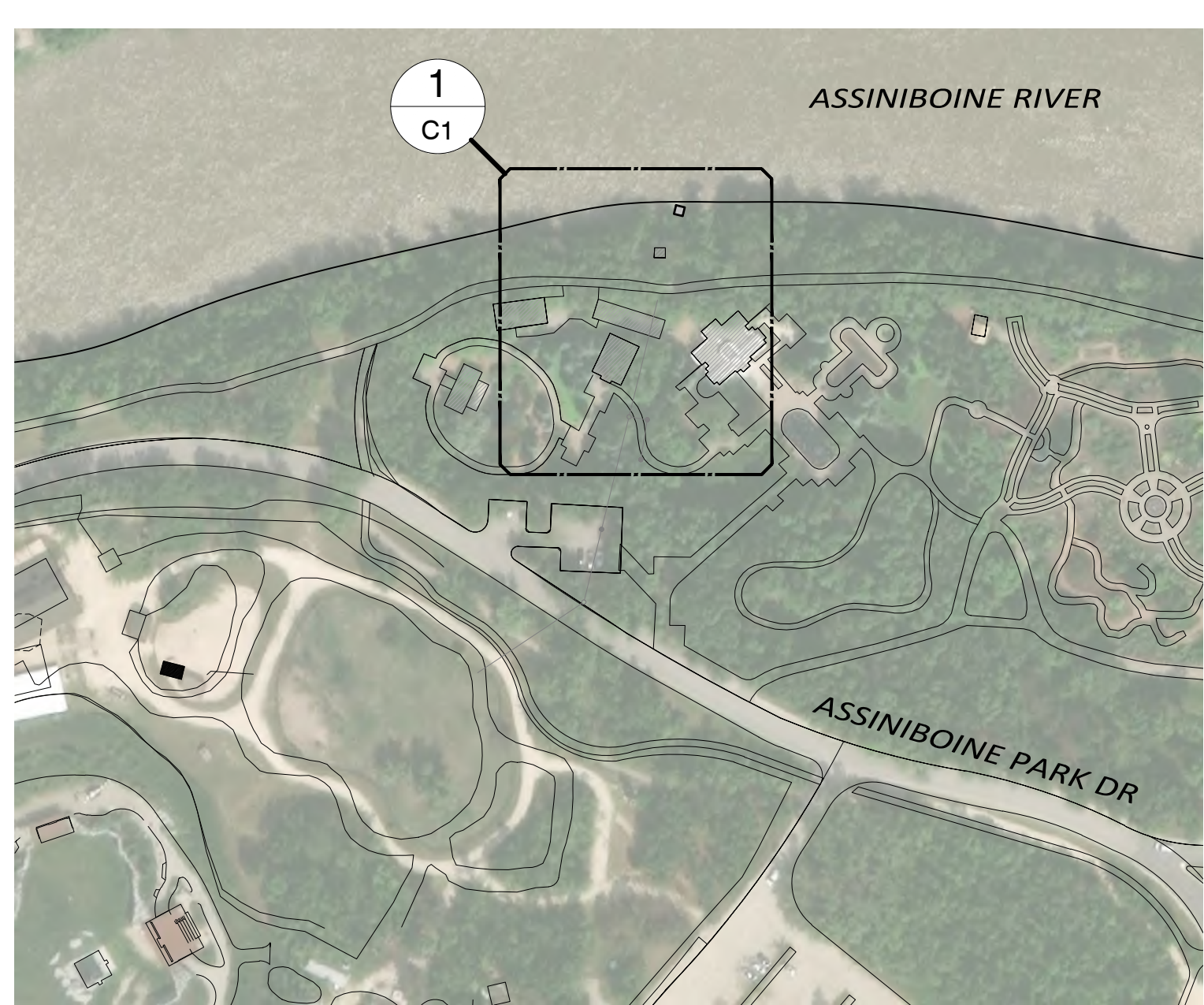
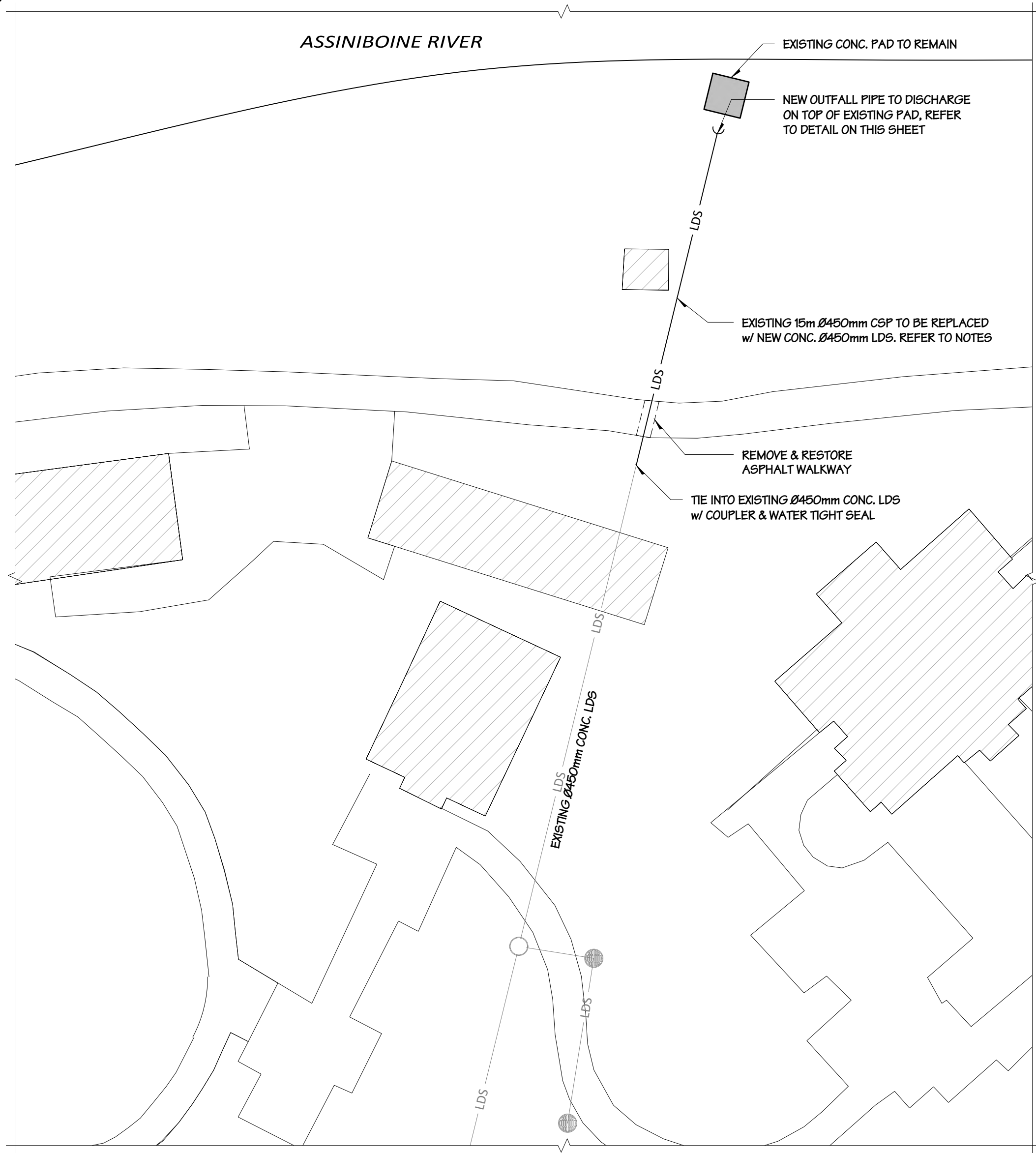


0 10 20 30 40 50 60 70 80 90 100mm



CIVIC ADDRESS:
375 ASSINIBOINE PARK DR. WINNIPEG MB

SITE DEVELOPMENT	
ITEM	SYMBOL
EXISTING BUILDING	
NEW LAND DRAINAGE SEWER LINE	
EXISTING LAND DRAINAGE SEWER LINE	
EXISTING CATCH BASIN (CB)	
EXISTING MANHOLE (MH)	

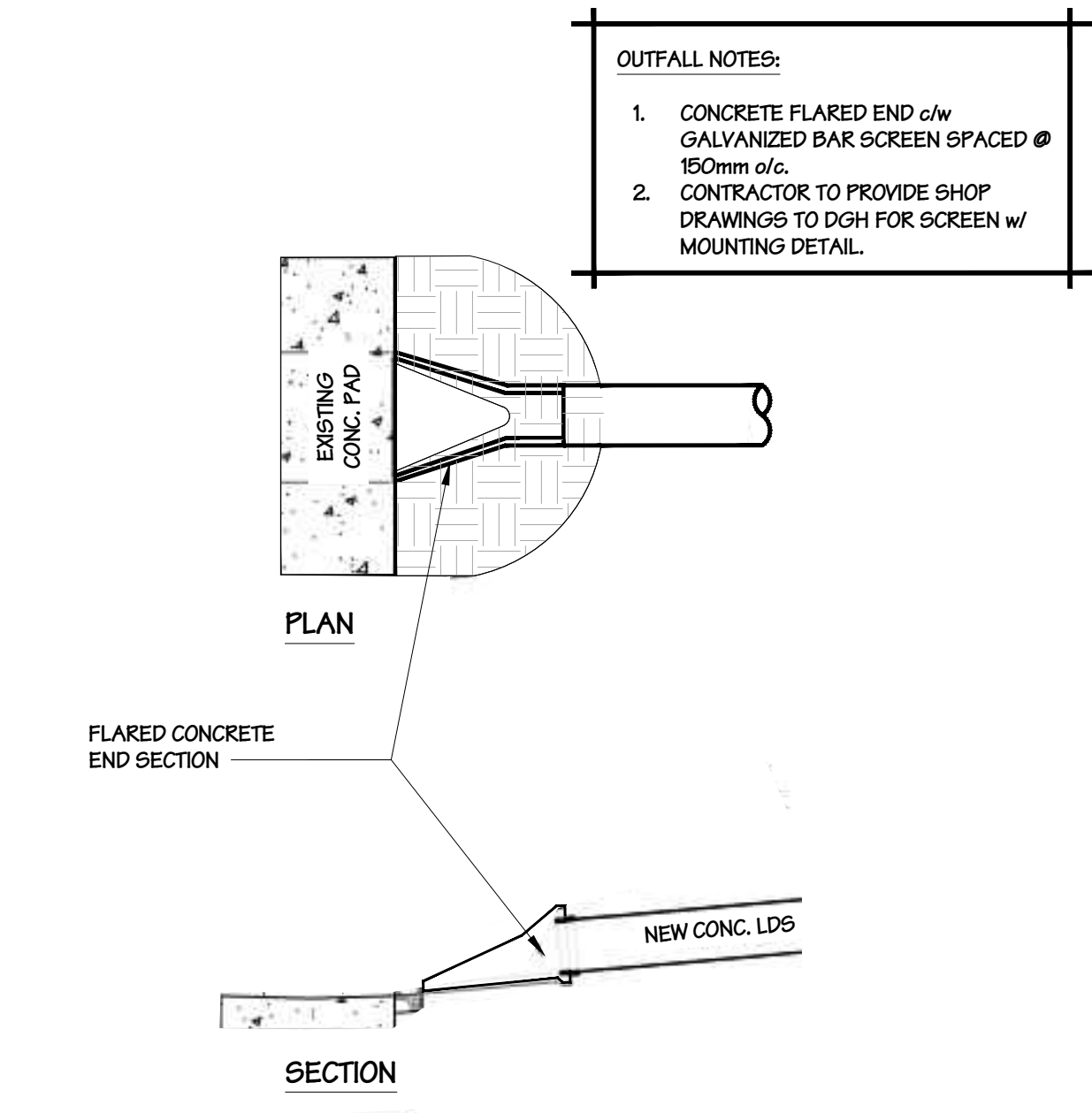
NOTES:	
1.	EXACT PIPE DEPTH IS UNKNOWN. EXPECTED PIPE DEPTH TO BE 2.19m. CONTRACTOR TO CONFIRM.
2.	EXISTING CSP PIPE LENGTH IS ESTIMATED. CONTRACTOR TO CONFIRM.
3.	ALL BACKFILL REQUIREMENTS ARE PER COW SD-001 AND CW 2030/CW 2160.
4.	ALL TREE REMOVAL AND/OR REPLACEMENT TO BE TAKEN CARE OF BY THE CITY OF WINNIPEG.
5.	TRENCH TO BE BACKFILLED TO MATCH EXISTING GRADE.

CIVIL GRADING SPECIFICATIONS

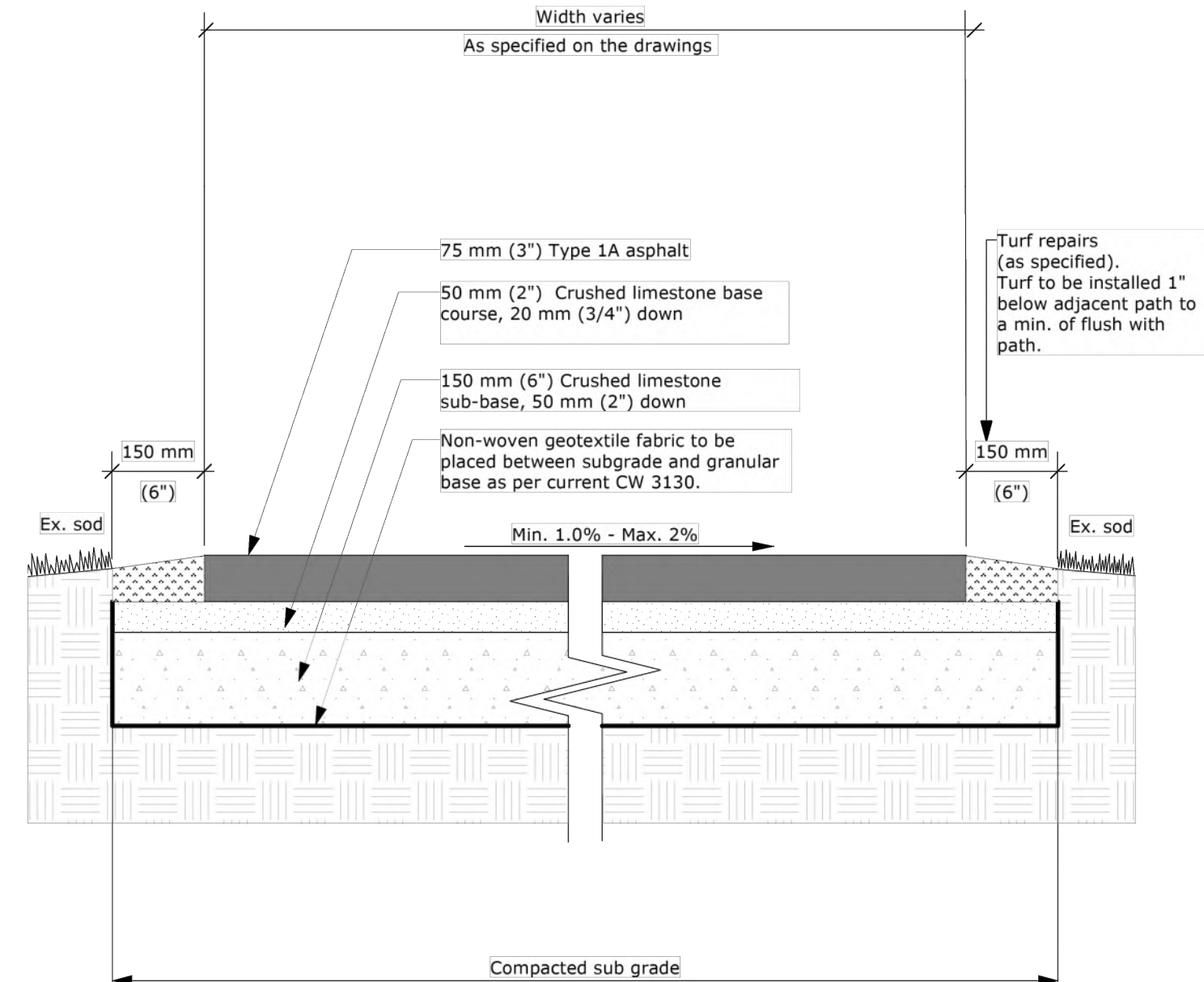
- Reference Standards
 - All construction shall be in accordance with the latest revision of City of Winnipeg Design and Construction Standards, unless otherwise noted.
- General Requirements
 - It is the intent of these drawings to provide for a complete and fully graded site in accordance with all applicable construction standards. Notwithstanding that the drawings may not cover each and every item required for the complete of the grading, the contractor shall supply all labor, materials, tools, equipment, and transportation necessary for the complete grading of the site. The Contractor is to ensure that delivery time of all fill does not cause a delay in the scheduling of this project. Notify the engineer if any problems arise.
 - Drawings are diagrammatic and approximate to scale. The contract documents establish scope, materials and quality and are not a comprehensive bill of materials, or detailed installation instructions.
 - Co-operate with other sections and trade disciplines as required for the completion of the total work. These drawings are to be read in conjunction with architecture, structural, electrical and landscaping drawings. Report any discrepancies to engineer.
 - When connecting to existing systems, the contractor is to immediately notify engineer of any deficiencies with the existing systems or any conditions with respect to the existing system that would impact the operation of the newly installed services or systems.
- General Site Information
 - The "North" orientation refers to nominal North rather than true or magnetic North. Any dimensions that show the location of existing features are approximate only, and are to be confirmed before construction start as required by a certified Manitoba Land Surveyor.
 - All distances are in meters and may be converted to feet by multiplying by 3.28084.
- Equals for Equipment
 - Equals for all equipment and fixtures will be considered, with engineer's approval.
 - Submit request for equals to engineer with the following information
 - Name of item on drawings for which the equal is being requested
 - Make and Model of equal
- Shop Drawings
 - The Engineer's review does not relieve the contractor from responsibility to provide and install materials and equipment in accordance with the design intent of the drawings. All dimensions and suitability for site conditions are the responsibility of the contractor. All electrical characteristics and requirements must be coordinated with the electrical contractor.
 - Equipment is not to be purchased prior to shop drawing approval.
- Permits, Certificates and Fees
 - It is the contractor's responsibility to obtain all required permits and pay all associated fees.
- Project Record Drawings
 - At the conclusion of the job, the contractor is to submit to the engineer a marked-up set of drawings including any changes to the initial design including revisions, site instructions, and accepted equals.
- Maintenance Manuals
 - Provide building owner with operation and maintenance manual for all equipment installed and a set of the record drawings.
- Site Inspections
 - DGH Engineering Ltd has been engaged for site inspections. Site inspections are to be provided at regular intervals throughout construction.
- Contractor Responsibilities
 - The General Contractor and all Sub-Contractors shall obtain all permits to carry out the work and shall strictly adhere to the conditions of each permit.
 - The Contractor shall verify and be responsible for all dimensions and grades, any errors and/or omissions must be reported to an Engineer at DGH Engineering Ltd. Any claims resulting from the Contractor's failure to do so shall be at the Contractor's expense.
 - The Contractor is to verify the depth of utilities prior to construction. The 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.
 - If the Contactor chooses to use powered equipment for excavation, the contractor is to notify all utility companies of the proposed location of work. In addition the contractor is to take precaution to avoid damage to all utilities in the area of work.
 - The Contractor is to verify the inverts and type of all existing buried utilities prior to construction and notify the Engineer of any discrepancies.
 - The Contractor shall maintain access to all establishments at all times.
 - The Contractor is to ensure the integrity of existing drains are maintained at all times.
 - Variations and modifications to the drawings provided shall not be carried out without written permission from the sealing Engineer.
- Site Conditions
 - All unsuitable material, topsoil, silt and organics are to be removed from the subgrade.
 - Do not use topsoil, silt, organics or other unsuitable material for construction of subgrade.
 - All topsoil is to be removed from the building footprint and used for re-grading or stock piled on site.
 - Contractor to provide safe trench work practices including providing trench cages when needed.

1 SITE SERVICES LAYOUT - PARTIAL

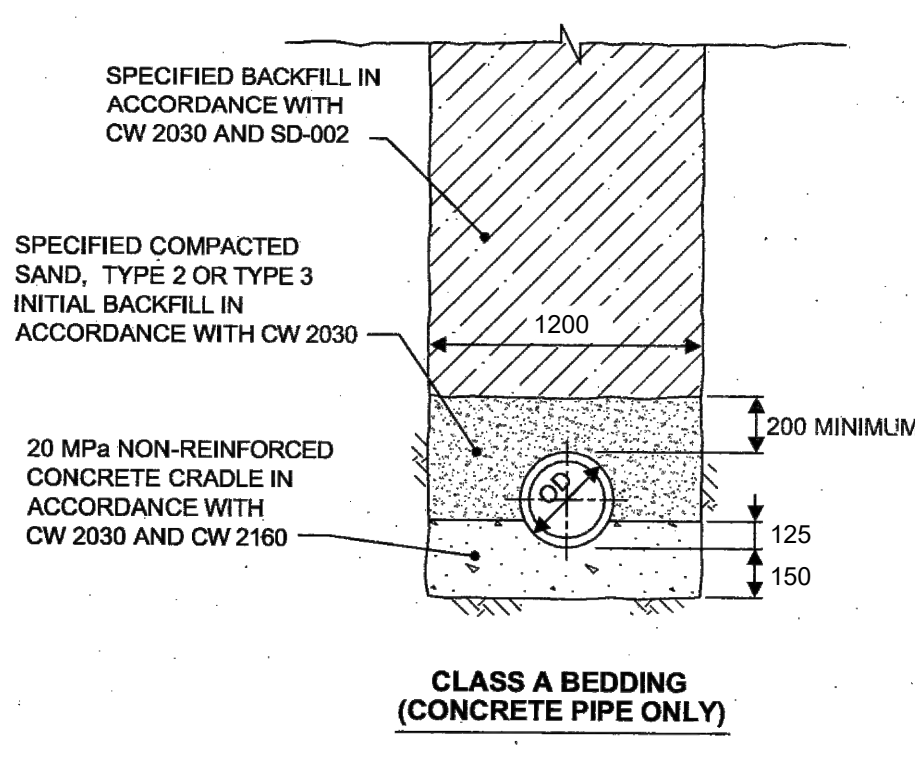
C1 SCALE: 1:250



LAND DRAINAGE PIPE OUTFALL DETAIL



PARK PATHWAY ASPHALT DETAIL



STANDARD PIPE BEDDING CLASSES DETAIL



ISSUED FOR TENDER

ISSUE (AND REVISION)

PROFESSIONAL'S SEAL

PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER

MANITOBA

Certificate of Authorization

DGH Engineering Ltd.

No. 540

PROJECT TITLE

ASSINIBOINE PARK DRAINAGE
SEWER REPLACEMENT

PROJECT LOCATION

375 ASSINIBOINE PARK DR. WINNIPEG MB.
PROJECT NUMBER: 1245-C06

CLIENT

PARKS AND OPEN SPACES DIVISION
CITY OF WINNIPEG
105-1155 PACIFIC AVENUE
WINNIPEG, MB.
R3E 3P1

COORDINATOR

JC

DESIGNED

JC

DRAWN

FK

DATE

JAN/2026

SCALE

AS NOTED

SSM SUBSET

CIVIL

SITE SERVICES LAYOUT
DETAILS &
SPECIFICATIONS

REV. C1

R00

INITIALS

JP

DATE

2025-05-10

DESCRIPTION

ISSUED FOR TENDER

ISSUED FOR REVIEW

2025-05-19

PRINTED DATE: 3/10/2026 10:48:40 AM