

GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS INCORPORATED IN THE WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF WINNIPEG "STANDARD DESIGN AND CONSTRUCTION SPECIFICATIONS", UNLESS NOTED OTHERWISE.
- LOCATIONS 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, EXACT LOCATION AND DEPTH OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
- LOCATIONS OF PROPERTY LIMITS AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN DO NOT REPRESENT A LEGAL SURVEY. SBC INC. MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION SHOWN IS ACCURATE, AND ACCEPTS NO RESPONSIBILITY FOR ANY DAMAGES SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.
- ALL SURFACES AND ANY EXISTING UTILITIES DAMAGED OR DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER, OR REPLACED, AT THE CONTRACTOR'S EXPENSE.

LAND DRAINAGE SEWER NOTES:

- TRENCHLESS INSTALLATION OR COMPACTED CLASS 2 BACKFILL SHALL BE USED WITHIN 2.0m OF ALL EXISTING AND PROPOSED PAVEMENT SURFACES.
- LAND DRAINAGE SEWER (LDS) PIPE SHALL BE PVC SDR35 BETWEEN LDB01 AND EXISTING 450 LAND DRAINAGE SEWER MAIN. INSTALLED IN ACCORDANCE TO CW 2130. LDS PIPE BETWEEN LDB01 AND LDB02 MAY BE PVC SDR35 OR HIGH DENSITY POLYETHYLENE (HDPE), AS APPROVED BY CONTRACT ADMINISTRATOR.
- LAND DRAINAGE SEWER LANDSCAPE DRAIN BASINS (LDB) SHALL BE PVC WITH INTEGRATED DUCTILE IRON LOCKING GRATE COVERS MANUFACTURED BY NYLOPLAST, OR APPROVED EQUAL. LAND DRAINAGE SEWER CATCH BASINS SHALL BE CONCRETE AS PER SD-025 AND CONSTRUCTED WITH THE FOLLOWING BASE DIAMETERS AND COVER TYPES:

	BASE DIA.	SUMP DEPTH	COVER
CB01	900	600	GRATED
CB02	900	600	GRATED
- VIDEO INSPECTION OF ALL INSTALLED LAND DRAINAGE SEWERS SHALL BE COMPLETED IN ACCORDANCE TO CW 2145 AND SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW.



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150 WM	WATERMAIN	150 WWS
250 WWS	WASTEWATER	150 WWS
300 LDS	LAND DRAINAGE SEWER	300 LDS
⊕	HYDRANT ASSEMBLY	⊕
⊕	GATE VALVE	⊕
⊕	CURB STOP	⊕
⊕	REDUCER	⊕
⊕	MANHOLE	⊕
⊕	CATCH BASIN	⊕
⊕	SURVEY BAR	⊕
⊕	SIGN	⊕
⊕	UTILITY POLE	⊕
⊕	UTILITY PEDESTAL	⊕
⊕	HYDRO	⊕
⊕	GAS	⊕
⊕	COMMUNICATIONS	⊕
>>>>	SWALE	>>>>
→	DIRECTION OF FLOW	→
+235.380	SURVEY ELEVATION	
(235.400)	PAVEMENT ELEVATION	(235.400)
235.38	GROUND ELEVATION	235.38
(235.38)	DITCH / SWALE ELEVATION	(235.38)
* * *	CHAIN LINK FENCE	* * *
□ - □ - □	WOOD FENCE	□ - □ - □
EXISTING	LEGEND	PROPOSED



ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
Sison Blackburn Consulting Inc.
No. 5581

ISS	REV	DATE	DESCRIPTION
1	0	26/05/25	ISSUED FOR CONSTRUCTION
0	1	26/05/15	ISSUED FOR 99% REVIEW
0	0	26/04/10	ISSUED FOR REVIEW

CLIENT / PROJECT:

CINDY KLASSEN
RECREATION COMPLEX -
PICKLEBALL &
BASKETBALL COURTS

999 SARGENT AVENUE WINNIPEG, MB

TITLE:

SITE SERVICING & GRADING
PLAN

DISCIPLINE: CIVIL

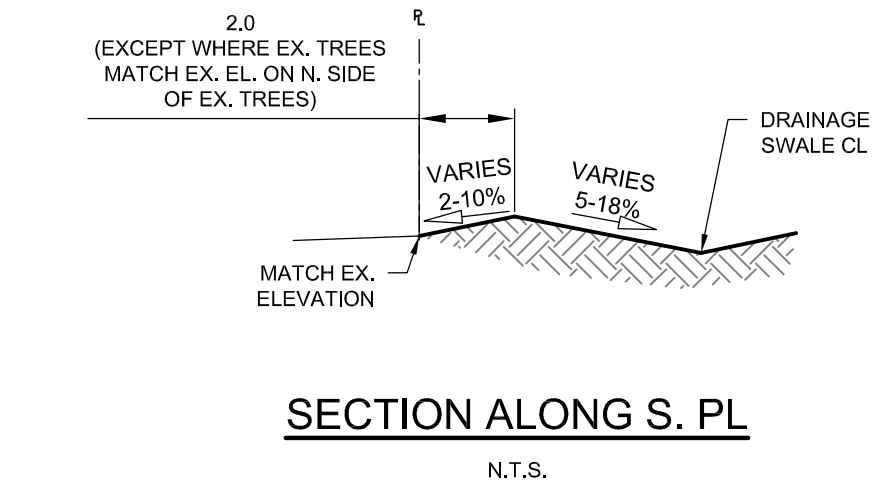
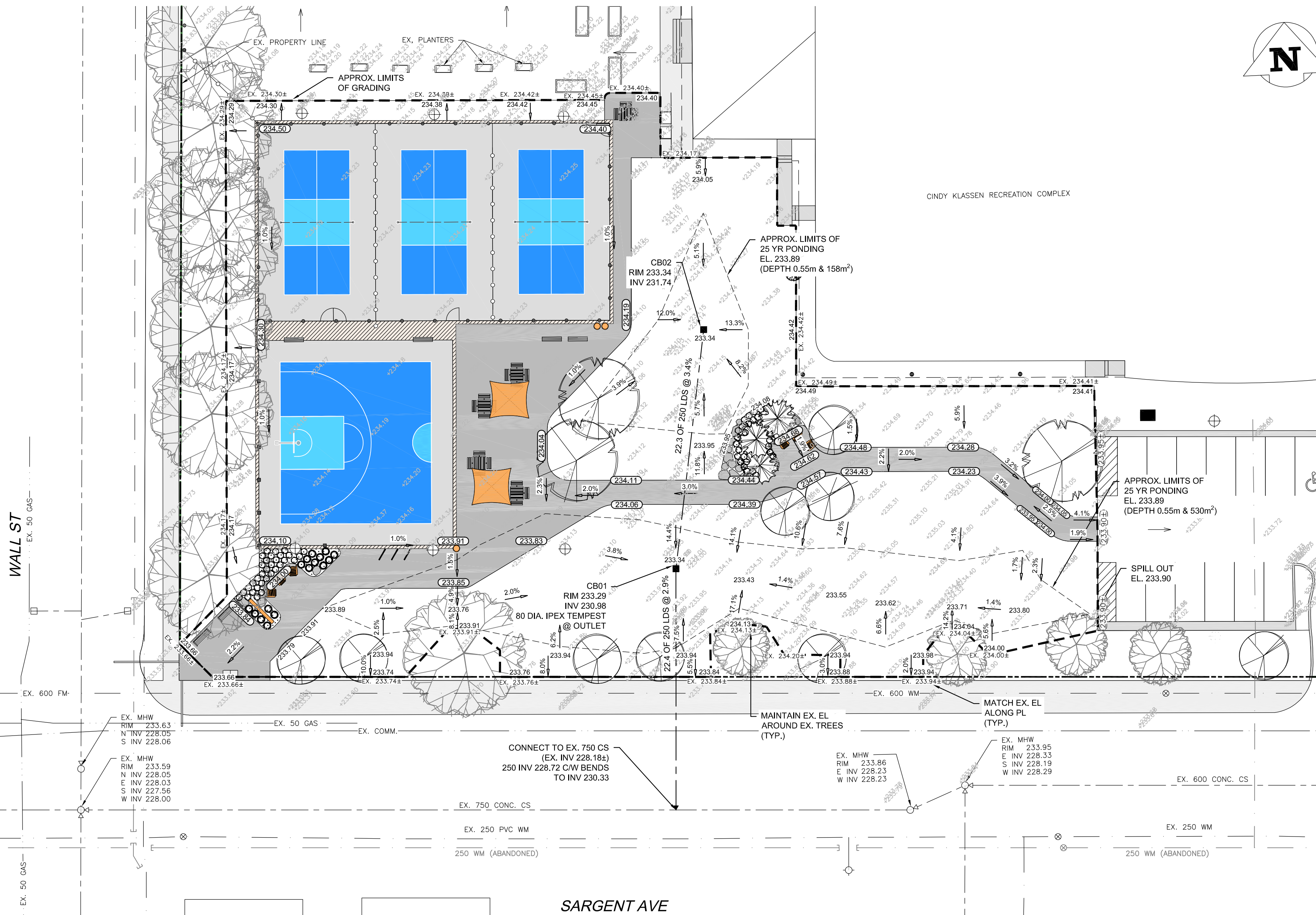
SCALE: 1:250 DRAWN: E.N. DESIGNED: M.L. CHECKED: R.C.

ISSUE: ISSUED FOR CONSTRUCTION

PROJECT START DATE: JANUARY, 2026

PROJECT #: 26103-00 DRAWING #: C01 REVISION: 0

SHT: 1 OF 1



REFER TO CITY OF WINNIPEG PLANNING AND LAND USE DIVISION DRAWINGS FOR LAYOUT PLAN, INCLUDING COURT MATERIALS AND FENCING DETAILS.

SURVEY NOTES:
1. SURVEY INFORMATION PROVIDED BY CITY OF WINNIPEG URBAN PLANNING & DESIGN
2. ELEVATIONS ARE REFERENCED TO THE GEODETTIC DATUM CGVD28 HT V2.0 AND ARE ORTHOMETRIC.

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS,
DECIMAL NUMBERS INDICATE METERS.

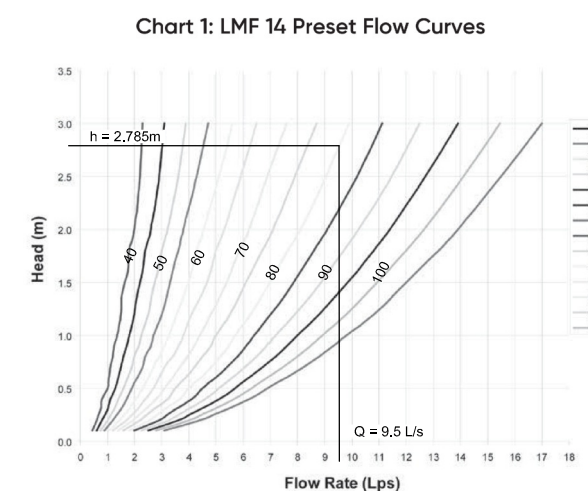
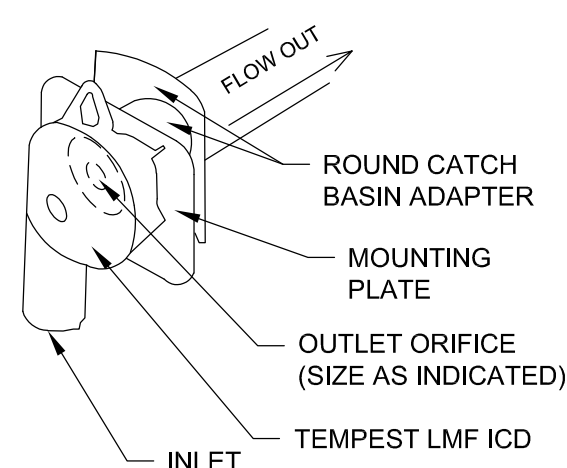


CHART 1: LMF 14 PRESET FLOW CURVES
(FROM IPEX TEMPEST INLET CONTROL DEVICES MUNICIPAL
TECHNICAL MANUAL SERIES VOL. III, 2ND EDITION)



TEMPEST LMF ICD
N.T.S.

STORM WATER MANAGEMENT CRITERIA

RE-DEVELOPMENT LIMITS = 3380 m²
CATCHMENT LIMITS = 3585 m²

C-ALLOWABLE = 0.15 (ASSIGNED BY CITY OF WINNIPEG)
I_{av} = 89.39 mm/hr, T_c = 15 min
Q_{av} ALLOWABLE = 13.4 L/s (BASED ON RATIONAL METHOD)

SUB-CATCHMENT 01 - RUNOFF TO CB01:
AREA = 3200 m²
SOFT LANDSCAPING (m²), C=0.15 = 1684 m²
PAVEMENT/BUILDING (m²), C=0.90 = 1516 m²
C_{WEIGHTED} = 0.51

Q_{RESTRICTED} = 9.5 L/s (USING 80 DIA. IPEX TEMPEST RESTRICTOR AT OUTLET OF CB01)

STORAGE REQUIRED = 126 m³
STORAGE AVAILABLE = 126 m³ (DEPTH OF PONDING 0.55m & 688m²)

SUB-CATCHMENT 02 - RUNOFF TO ADJACENT ROADS:
AREA = 345 m²
SOFT LANDSCAPING (m²), C=0.15 = 30 m²
PAVEMENT/BUILDING (m²), C=0.90 = 55 m²
C_{WEIGHTED} = 0.27

Q_{UNRESTRICTED} = 3.3 L/s

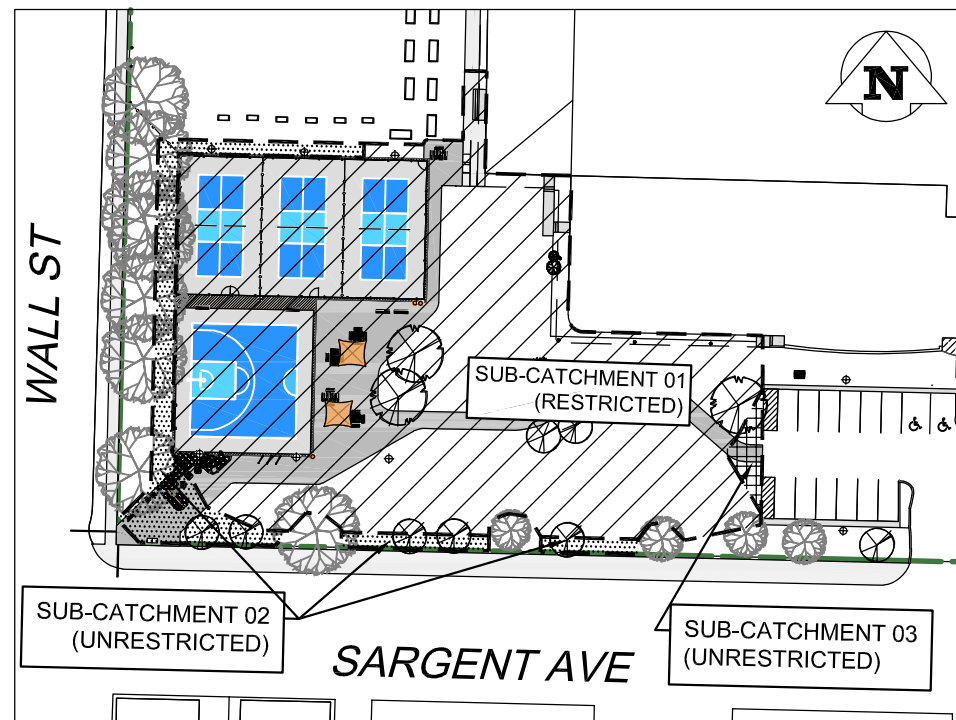
STORAGE REQUIRED = 0 m³ STORAGE AVAILABLE = 0 m³

SUB-CATCHMENT 03 - RUNOFF TO EX. PARKING LOT:
AREA = 40 m²
SOFT LANDSCAPING (m²), C=0.15 = 30 m²
PAVEMENT/BUILDING (m²), C=0.90 = 10 m²
C_{WEIGHTED} = 0.34

Q_{UNRESTRICTED} = 0.5 L/s

STORAGE REQUIRED = 0 m³ STORAGE AVAILABLE = 0 m³

Q_{TOTAL} = 9.5 + 3.3 + 0.5 = 13.3 L/s < Q_{av} ALLOWABLE



SUB-CATCHMENT AREA PLAN

1:1000