NOTES

DO NOT SCALE DRAWING

VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SERVICES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO OBTAIN LOCATES

CONTRACTOR IS TO COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON MUNICIPAL ROAD.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS AND SPECIFICATIONS

BARRIER AND DEPRESSED CURB AS PER STANDARD DRAWING SC1.1
SIDEWALK AS PER STANDARD DRAWING SC2

CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION

RESTORE PAVEMENT STRUCTURE AND SURFACES ON EXISTING ROADS TO THEIR ORIGINAL CONDITIONS

REFER TO ARCHITECT'S PLANS FOR BUILDING DIMENSIONS AND SITE LAYOUT. DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

THIS PLAN SHOULD BE READ IN CONJUCTION WITH THE SITE PLAN, SITE SERVICING AND DRAINAGE REPORT, HYDROGEOLOGICAL AND GEOTECHNICAL REPORTS.

BENCH MARK

TOP OF SPINDLE OF EXISITNG HYDRANT – ELEVATION 138.35

LEGEND

136.85	PROPOSED ELEVATION
115.02 137.35	EXISTING ELEVATION
136.95TC	TOP OF CURB
	DIRECTION OF FLOW
UP	UTILITY POLE
DC	DEPRESSED CURB
	SANITARY SEWER
	WATERMAIN
	OVERLAND FLOW ROUTE

ON SITE SWM – SURFACE STORAGE

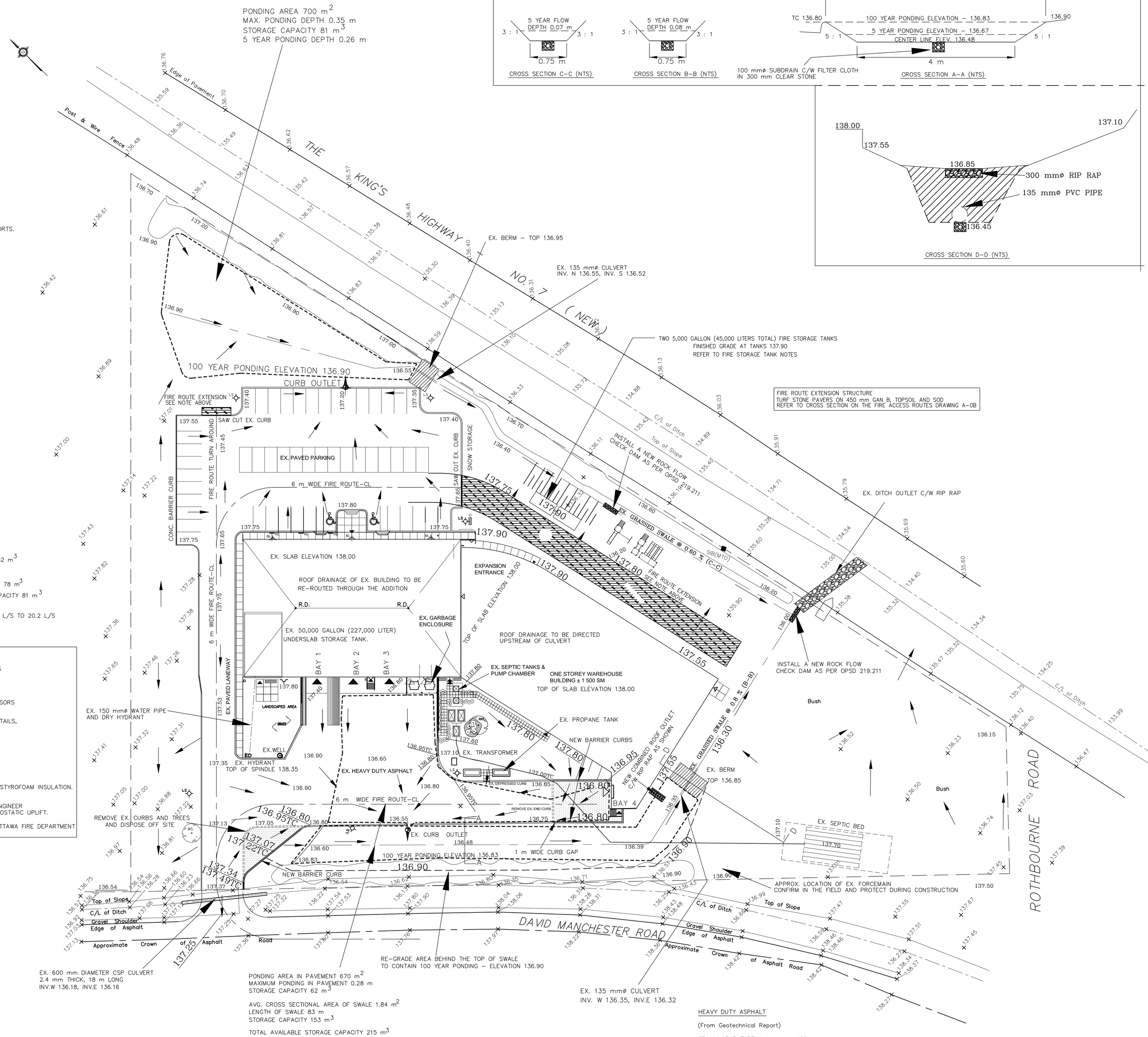
SOUTH OF BUILDING	NORTH OF BUILDING
REQUIRED 5 YEAR RETENTION 87 m^3	REQUIRED 5 YEAR RETENTION 32 m^3
PONDING IN SWALE 87 m^3	SURFACE PONDING 32 m^3
REQUIRED 100 YEAR RETENTION 205 m^3	REQUIRED 100 YEAR RETENTION 78 m^3
AVAILABLE STORAGE CAPACITY 215 m^3	TOTAL AVAILABLE STORAGE CAPACITY 81 m^3
OUTFLOW RATE AT CULVERT 21.0 L/S TO 24.5 L/S	OUTFLOW RATE AT CULVERT 17 L/S TO 20.2 L/S

FIRE STORAGE TANKS NOTES

1 WATER CHUTE AND DRAW PIPE ARE REQUIRED FOR ONE TANK, AS PER CITY STANDARDS
2 SIGNAGE IS REQUIRED AT TANK LOCATION, AS PER CITY STANDARDS
3 VENT ASSEMBLY IS REQUIRED, AS PER NFPA 13
4 ONE TANK TO BE EQUIPPED WITH LOW LEVEL FLOAT CONTROLS AND TEMPERATURE SENSORS SENSOR SPECIFICATIONS WILL BE PROVIDED BY THE MECHANICAL ENGINEER
5 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR CONNECTION AND INTERNAL DETAILS,
6 ELECTRICAL CONNECTIONS TO BE INSTALLED IN PVC CONDUITS
7 LEAKAGE TEST TO BE CARRIED OUT AND WITNESSED BY THE ENGINEER NO ALLOWABLE LEAKAGE OVER A 24 HOUR PERIOD
8 ACCESS HATCH WITH LADDER IS REQUIRED FOR EACH TANK
9 ALL CONNECTIONS TO THE TANK TO BE MADE WITH LINK SEALS
10 TANKS ARE ASSUMED TO BE INSTALLED WITH 0.6 m COVER AND 150 mm THICK RIGID STYROFOAM INSULATION. INSULATION IS TO BE PLACED ON TOP OF TANK AND 1 m DOWN ON ALL SIDES
11 CONTRACTOR TO PROVIDE STAMPED SHOP DRAWINGS PREPARED BY A PROFESSIONAL ENGINEER SHOWING DETAILS OF THE TANK MATERIALS AND INSTALLATION. DESIGN FOR FULL HYDROSTATIC UPLIFT.
12 ALL MATERIALS AND INSTALLATIONS MUST MEET THE REQUIREMENTS OF THE CITY OF OTTAWA FIRE DEPARTMENT AND CURRENT NFPA GUIDELINES FOR "WATER TANKS FOR PRIVATE FIRE PROTECTION"

GENERAL NOTE:

THE POSITION OF ALL POLE LINES, CONDUITS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



HEAVY DUTY ASPHALT

(From Geotechnical Report)

GRANULAR B TYPE II	400 mm
GRANULAR A	150 mm
HL8 OR SUPERPAVE 19.0	40 mm
HL3 OR SUPERPAVE 12.5	50 mm

EXISTING SWALES CROSS SECTIONS

0 10 20 30 40

RICKSON OUTHET ARCHITECT
319 Daly Avenue
Ottawa - Ontario - K1N 6G6
613.728-1637 - FAX 613.728-8501

LOCATION

Capital Engineering Group Ltd
Municipal / Land Development
110 Dossetter Way
Ottawa, Ontario K1G 4S5
T: (613)739-0776 F: (613)739-7302
E: cegl@rogers.com

NO.	ISSUE & REVISIONS	DATE
5	Fire Route Revised	2022/03/30
4	Fire Route Extensions and Fire Storage Tanks Added	2021/12/23
3	Location & Orientation of Septic System Revised	2021/08/28
2	Issued to Address Review Comments	2021/06/24
1	Issued for Site Plan Application	2020/11/30

SEAL

LICENSED PROFESSIONAL ENGINEER
AMINE NAOUM
Mar 30/22
PROVINCE OF ONTARIO

Not for construction unless SEALED and SIGNED.

PROJECT NORTH

TRUE NORTH

PROJECT

PLAYVALUE TOYS

130 DAVID MANCHESTER ROAD **Ottawa, Ontario**

DRAWING

Servicing, Grading and Drainage Plan

PROJECT NO.	PV2–2020
SCALE	1 : 400
DRAWN	ANDREW
CHECKED	AN

DRAWING NO. **G1**

REVISION NO.