PROPOSED AUTO PARTS BUILDING 2020 BANTREE ST, OTTAWA, ON

REVISION 05



KEY PLAN (N.T.S.)

DRAWING INDEX

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POST-DEVELOPMENT WATERSHED PLAN

CONSTRUCTION DETAIL PLAN

CONSTRUCTION DETAIL PLAN



ENGINEERING | INGÉNIERIE

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C101	
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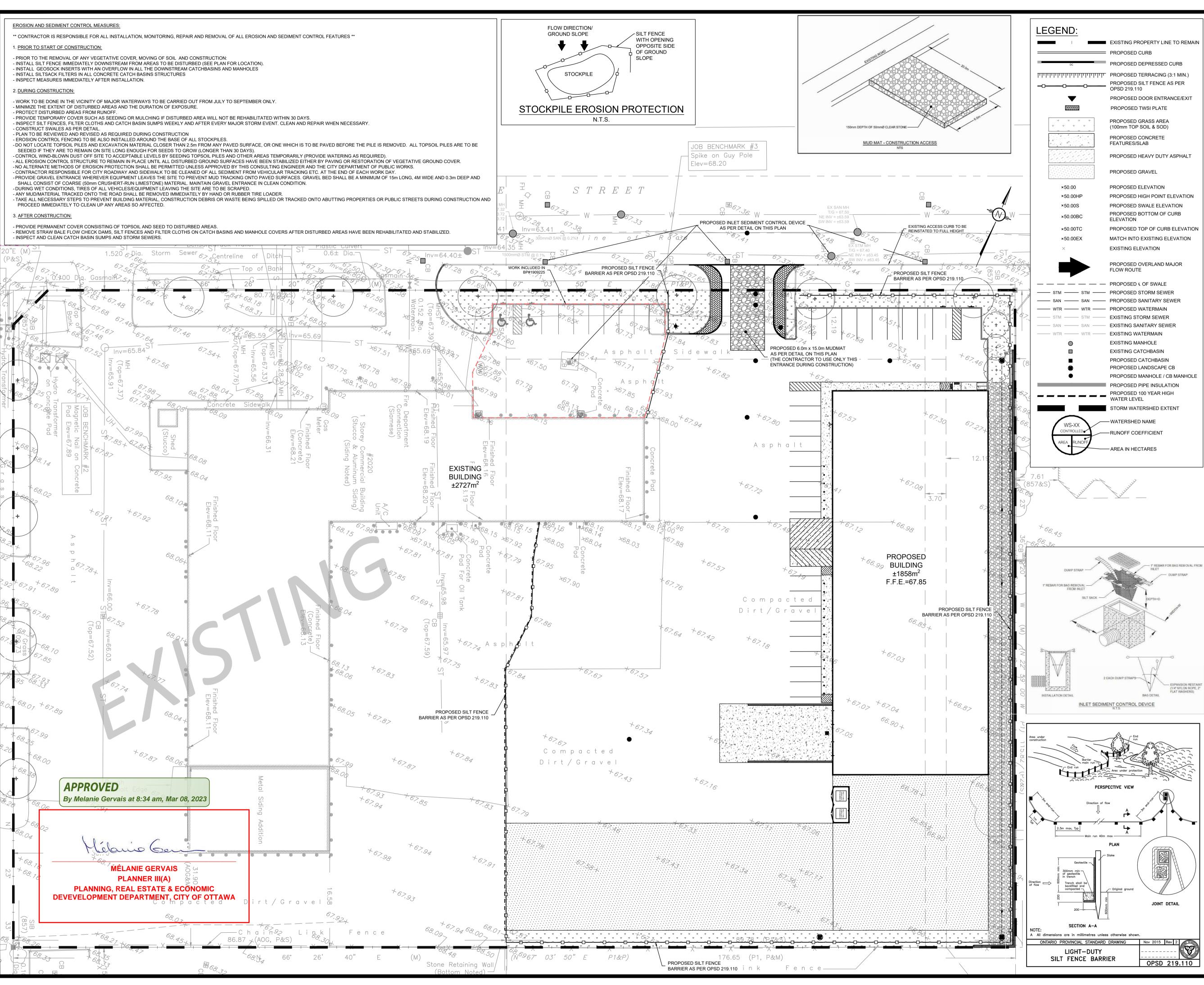




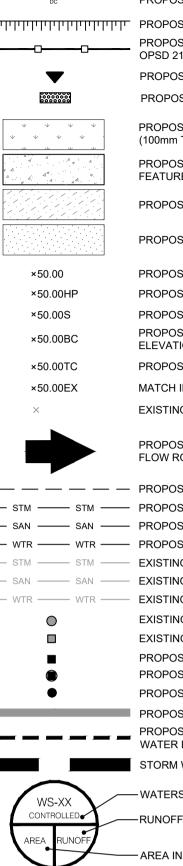
EROSION AND SEDIMENT CONTROL MEASURES:

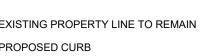
SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).

DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.









USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. TH CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO TH WNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, TH SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS. VERIFIED FIELD DIMENSIONS AND CORRELATED HIS SERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OF

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RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIE CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THI WORK, SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

UNAUTHORIZED CHANGES: IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR

ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRI AND TO RELEASE LRI FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, D INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR OST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.

N ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THAT FORTH ACCOUNTS THE CONTROL OF TO FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION. GENERAL NOTES:

XISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR

PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE INGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. ONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

> SCALE: 1:300

05	RE-ISSUED FOR APPROVAL	M.B.	23 NOV 2022
04	RE-ISSUED FOR APPROVAL	M.B.	12 AUG 2022
03	RE-ISSUED FOR APPROVAL	M.B.	12 MAY 2022
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7137796 CANADA INC. C/O BENSON GROUP, 700 EDUCATION BOULEVARD CORNWALL, ON K6H 6B8, 613-933-1700 ATTN: DE SAULNIERS CONSTRUCTION LTE M.L. M.L. M.B.

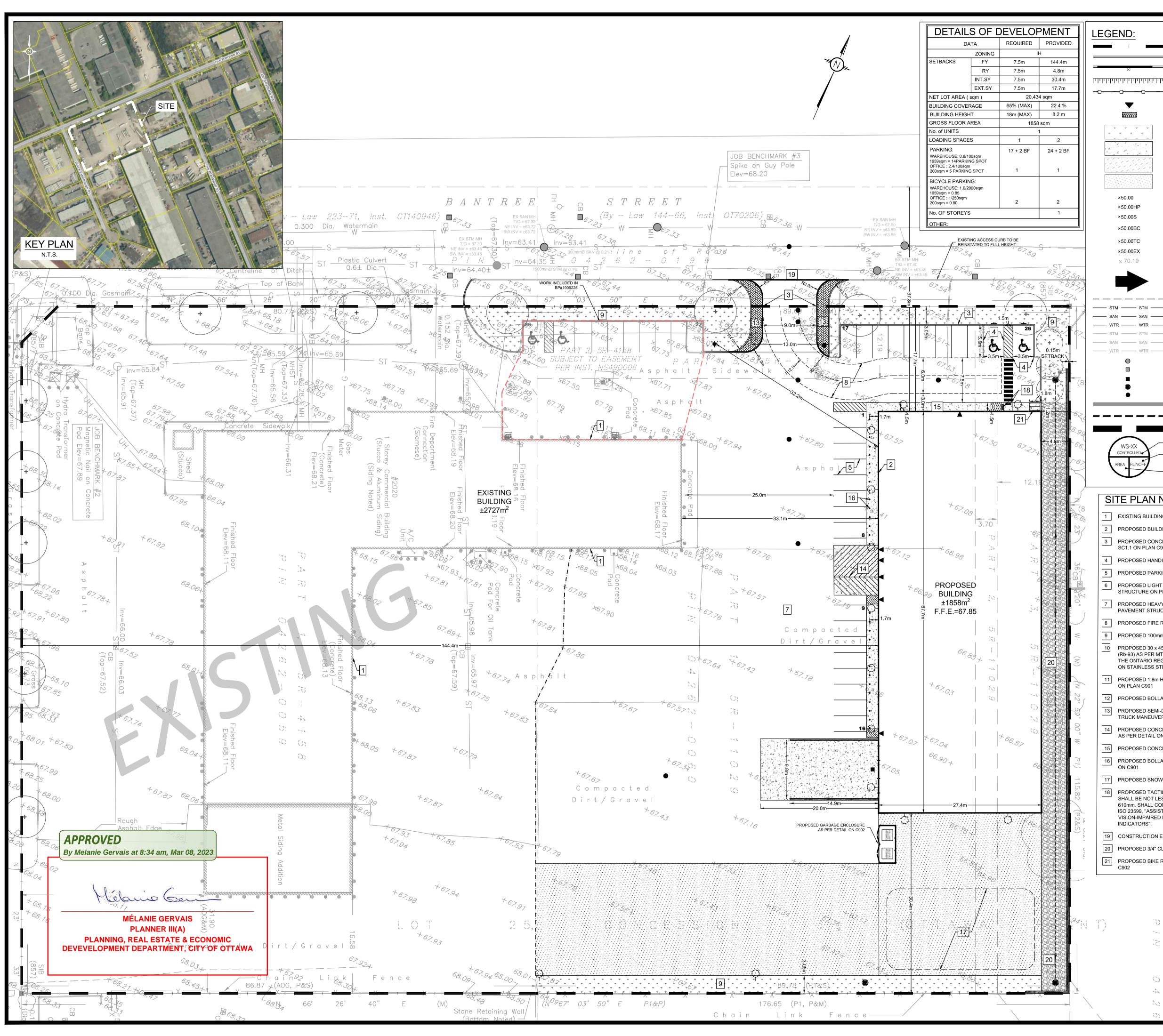
> BENSON AUTO PARTS 2020 BANTREE ST, OTTAWA, ON

AWING TITLE

ROJECT NO 180357

EROSION AND SEDIMENT CONTROL PLAN

C101



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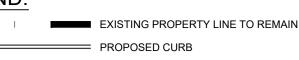
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WS-XX



PROPOSED DEPRESSED CURB PROPOSED SILT FENCE AS PER OPSD 219.110

> PROPOSED DOOR ENTRANCE/EXIT PROPOSED TWSI PLATE

PROPOSED GRASS AREA (100mm TOP SOIL & SOD) PROPOSED CONCRETE FEATURES/SLAB

PROPOSED HEAVY DUTY ASPHALT

PROPOSED GRAVEL PROPOSED ELEVATION

PROPOSED HIGH POINT ELEVATION PROPOSED SWALE ELEVATION PROPOSED BOTTOM OF CURB ELEVATION PROPOSED TOP OF CURB ELEVATION MATCH INTO EXISTING ELEVATION

PROPOSED OVERLAND MAJOR FLOW ROUTE

EXISTING ELEVATION

------ SAN ------ PROPOSED SANITARY SEWER EXISTING WATERMAIN EXISTING MANHOLE

> EXISTING CATCHBASIN PROPOSED CATCHBASIN PROPOSED LANDSCAPE CB PROPOSED MANHOLE / CB MANHOLE PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL

> > STORM WATERSHED EXTENT

-WATERSHED NAME -RUNOFF COEFFICIENT

- AREA IN HECTARES

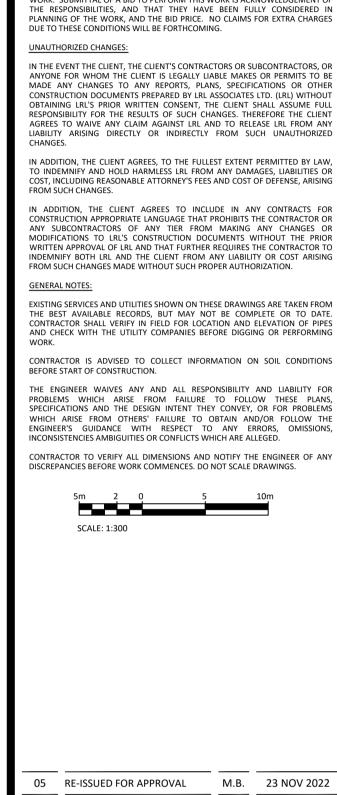
SITE PLAN NOTES:

1 EXISTING BUILDING

2 PROPOSED BUILDING

- 3 PROPOSED CONCRETE BARRIER CURB AS PER DETAIL SC1.1 ON PLAN C901
- 4 PROPOSED HANDICAP PARKING
- 5 PROPOSED PARKING (TYP.)
- 6 PROPOSED LIGHT DUTY PAVEMENT AREA (SEE PAVEMENT
- STRUCTURE ON PLAN C301) PROPOSED HEAVY TRAFFIC PAVEMENT AREA (SEE
- PAVEMENT STRUCTURE ON PLAN C301)
- 8 PROPOSED FIRE ROUTE
- 9 PROPOSED 100mm TOPSOIL & SOD
- PROPOSED 30 x 45 cm "DISABLED PARKING PERMIT" SIGN (Rb-93) AS PER MTO BOOK 5 AND AS PER SECTION 11 OF THE ONTARIO REGULATION 581/90. SIGN TO BE MOUNTED ON STAINLESS STEEL POST.
- 11 PROPOSED 1.8m HIGH CHAIN LINK FENCE AS PER DETAIL ON PLAN C901
- 12 PROPOSED BOLLARD (TYP.) AS PER DETAIL ON C901
- 13 PROPOSED SEMI-DEPRESSED PAVERS FOR TRANSPORT TRUCK MANEUVERABILITY AS PER DETAIL SC 1.1
- 14 PROPOSED CONCRETE CHEVRONS AS PER DETAIL ON C901
- 15 PROPOSED CONCRETE SIDEWALK / FEATURE
- 16 PROPOSED BOLLARD SPACED AT 1.5m C/C AS PER DETAIL ON C901
- 17 PROPOSED SNOW STORAGE AREA
- 18 PROPOSED TACTILE ATTENTION INDICATOR. DEPTH SHALL BE NOT LESS THAN 300mm AND NOT MORE THAN 610mm. SHALL CONFORM TO CLAUSES 4.1.1. AND 4.1.2. OF ISO 23599, "ASSISTIVE PRODUCTS FOR BLIND AND VISION-IMPAIRED PERSONS - TACTILE WALKING SURFACE INDICATORS".
- 19 CONSTRUCTION ENTRANCE AS PER S.C 7.1
- 20. PROPOSED 3/4" CLEARSTONE
- 21. PROPOSED BIKE RACK (2 MINIMUM) SEE DETAIL ON DWG C902

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7137796 CANADA INC. C/O BENSON GROUP, 700 EDUCATION BOULEVARD, CORNWALL, ON K6H 6B8, 613-933-1700 ATTN: DE SAULNIERS CONSTRUCTION LTD DRAWN B APPROVED BY

M.L.

M.L. PROJECT

BENSON AUTO PARTS 2020 BANTREE ST, OTTAWA, ON

DRAWING TITLE

PROJECT NO.

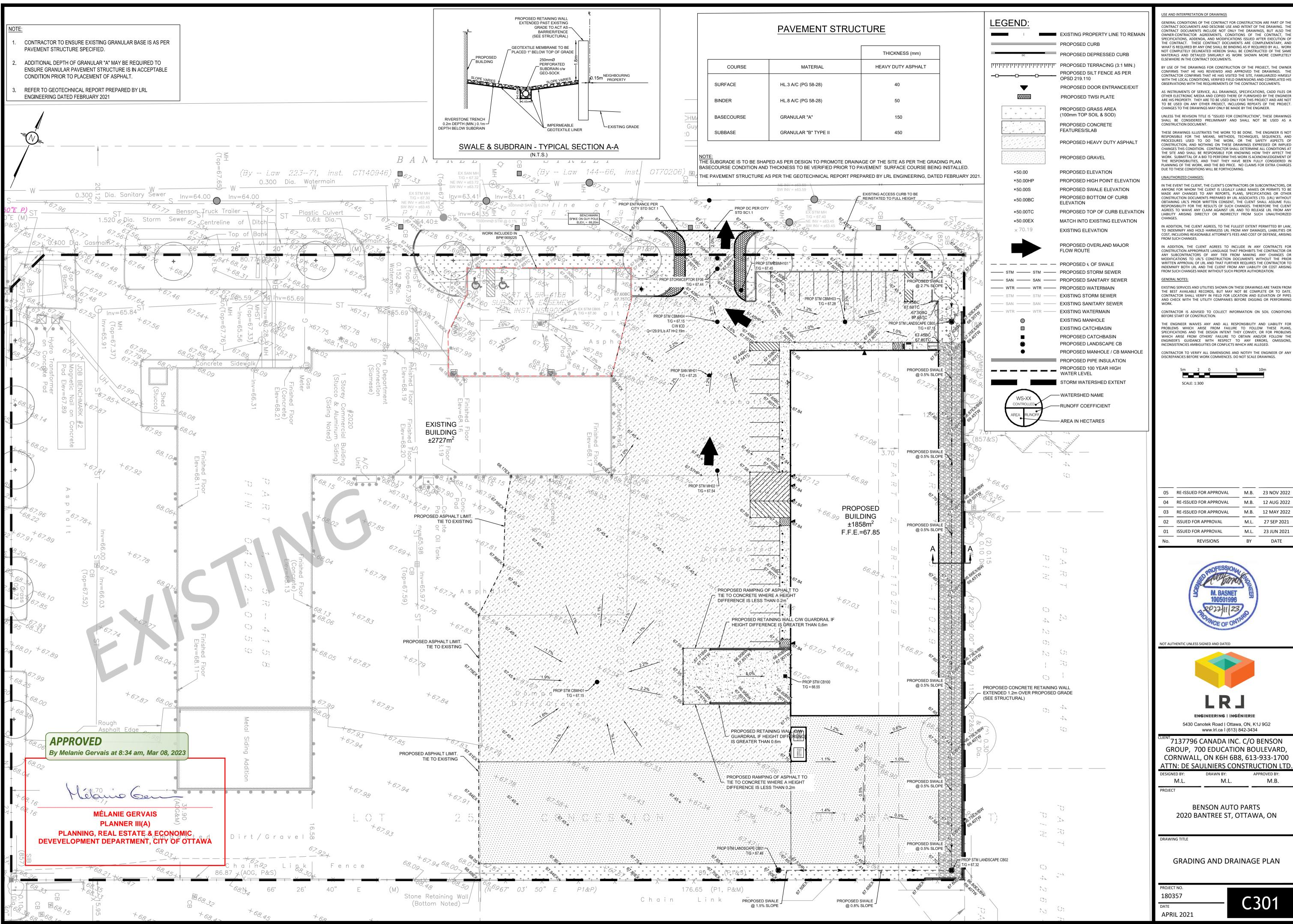
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APRIL 2021

DATE

SITE DEVELOPMENT PLAN

M.B.



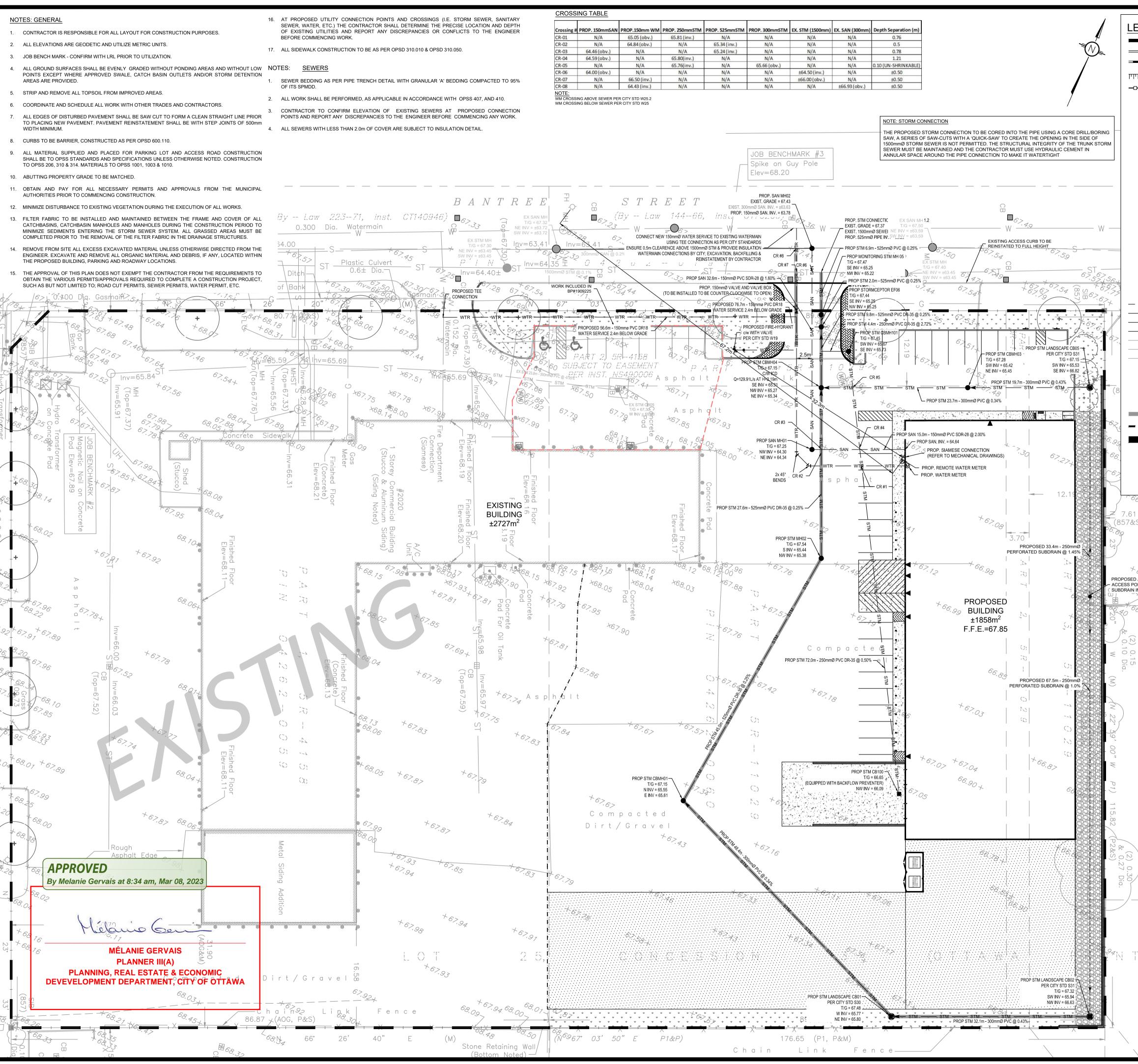
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- JOB BENCH MARK CONFIRM WITH LRL PRIOR TO UTILIZATION.
- POINTS EXCEPT WHERE APPROVED SWALE, CATCH BASIN OUTLETS AND/OR STORM DETENTION AREAS ARE PROVIDED.

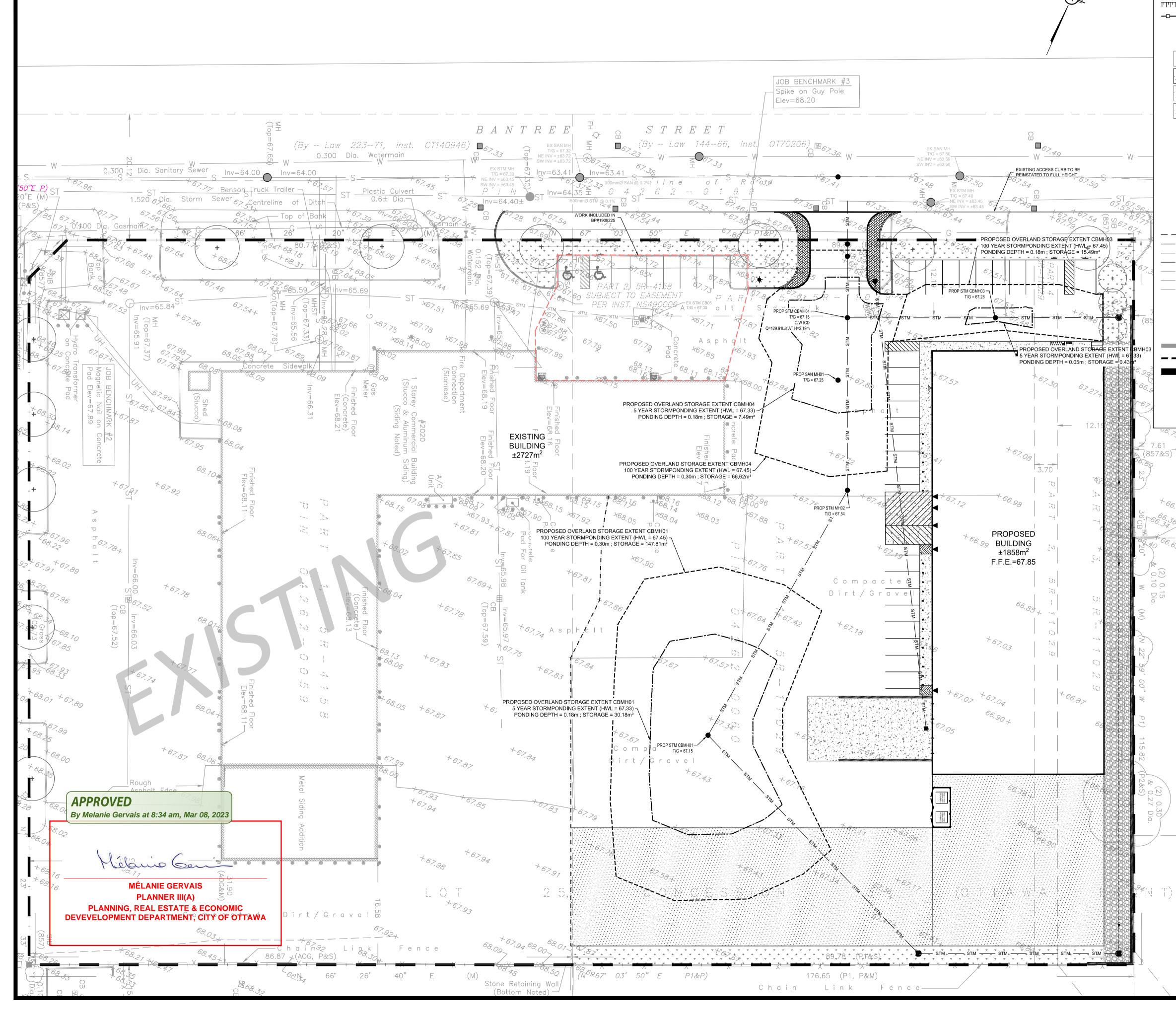
- WIDTH MINIMUM.
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- AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.

- SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.

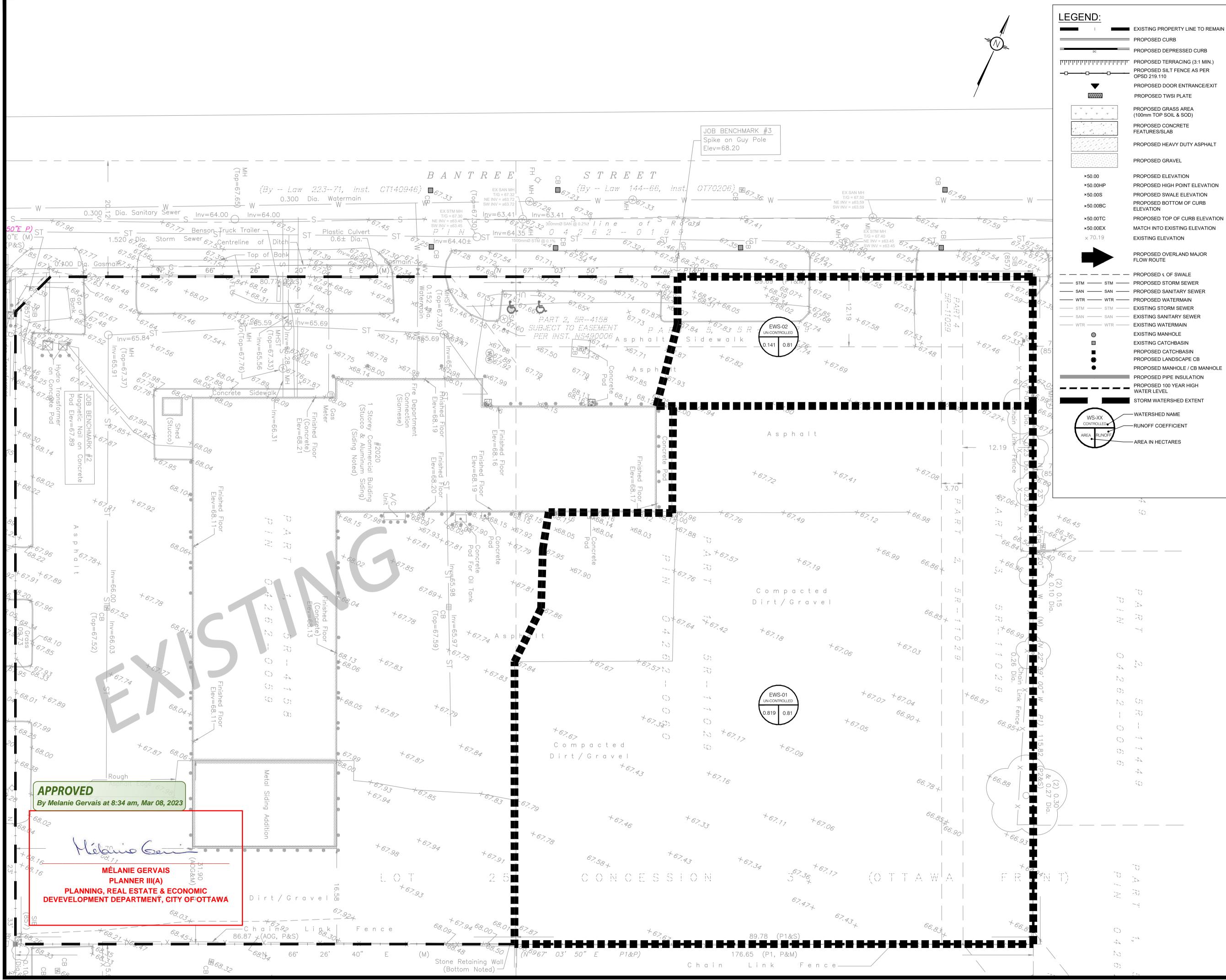
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		USE AND INTERPRETATION OF DRAWINGS
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— STM ——— STM ——— — SAN ——— SAN ———	EXISTING ELEVATION PROPOSED OVERLAND MAJOR FLOW ROUTE PROPOSED & OF SWALE PROPOSED STORM SEWER PROPOSED SANITARY SEWER PROPOSED WATERMAIN EXISTING STORM SEWER EXISTING SANITARY SEWER EXISTING WATERMAIN EXISTING WATERMAIN EXISTING CATCHBASIN PROPOSED CATCHBASIN PROPOSED LANDSCAPE CB PROPOSED LANDSCAPE CB PROPOSED MANHOLE / CB MANHOLE PROPOSED PIPE INSULATION PROPOSED 100 YEAR HIGH WATER LEVEL STORM WATERSHED EXTENT - WATERSHED NAME -RUNOFF COEFFICIENT	TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES. IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION. GENERAL NOTES: EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION. THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO DOTAL FOLLOW THE ENGINEER'S AUBIDAUCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS. SCALE: 1:300
	-AREA IN HECTARES	05 RE-ISSUED FOR APPROVAL M.B. 23 NOV 2022 04 RE-ISSUED FOR APPROVAL M.B. 12 AUG 2022 03 RE-ISSUED FOR APPROVAL M.B. 12 MAY 2022 02 ISSUED FOR APPROVAL M.L. 27 SEP 2021 01 ISSUED FOR APPROVAL M.L. 23 JUN 2021 No. REVISIONS BY DATE
	5 R - 1 1 4 4 9 P A R T	NOT AUTHENTIC UNLESS SIGNED AND DATED INTERPRISE INTERPRISE CLIENT SAGO CANADA INC. C/O BENSON SAGOUP, 700 EDUCATION BOULEVARD, CUIENT 7137796 CANADA INC. C/O BENSON GROUP, 700 EDUCATION BOULEVARD, CORNWALL, ON K6H 6B8, 613-933-1700 DAWN BY: APPROVED BY: ML. DENSON AUTO PARTS DOUD BAY: MLL MENSON AUTO PARTS DOUD BAY: DENSON AUTO PARTS DOUD BAY: ML MENSON AUTO PARTS DOUD BAY: DENSON AUTO PARTS DOUD BAY: DRAWING TITLE
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NGINEERING | INGÉNIERI 5430 Canotek Road | Ottawa, ON, K1J 9G2 www.lrl.ca I (613) 842-3434

"7137796 CANADA INC. C/O BENSON GROUP, 700 EDUCATION BOULEVARD, CORNWALL, ON K6H 6B8, 613-933-1700 ATTN: DE SAULNIERS CONSTRUCTION LTE DESIGNED BY: DRAWN BY: APPROVED BY:

M.L.

M.L.

BENSON AUTO PARTS 2020 BANTREE ST, OTTAWA, ON

PRE-DEVELOPMENT WATERSHED PLAN

PROJECT NO. 180357

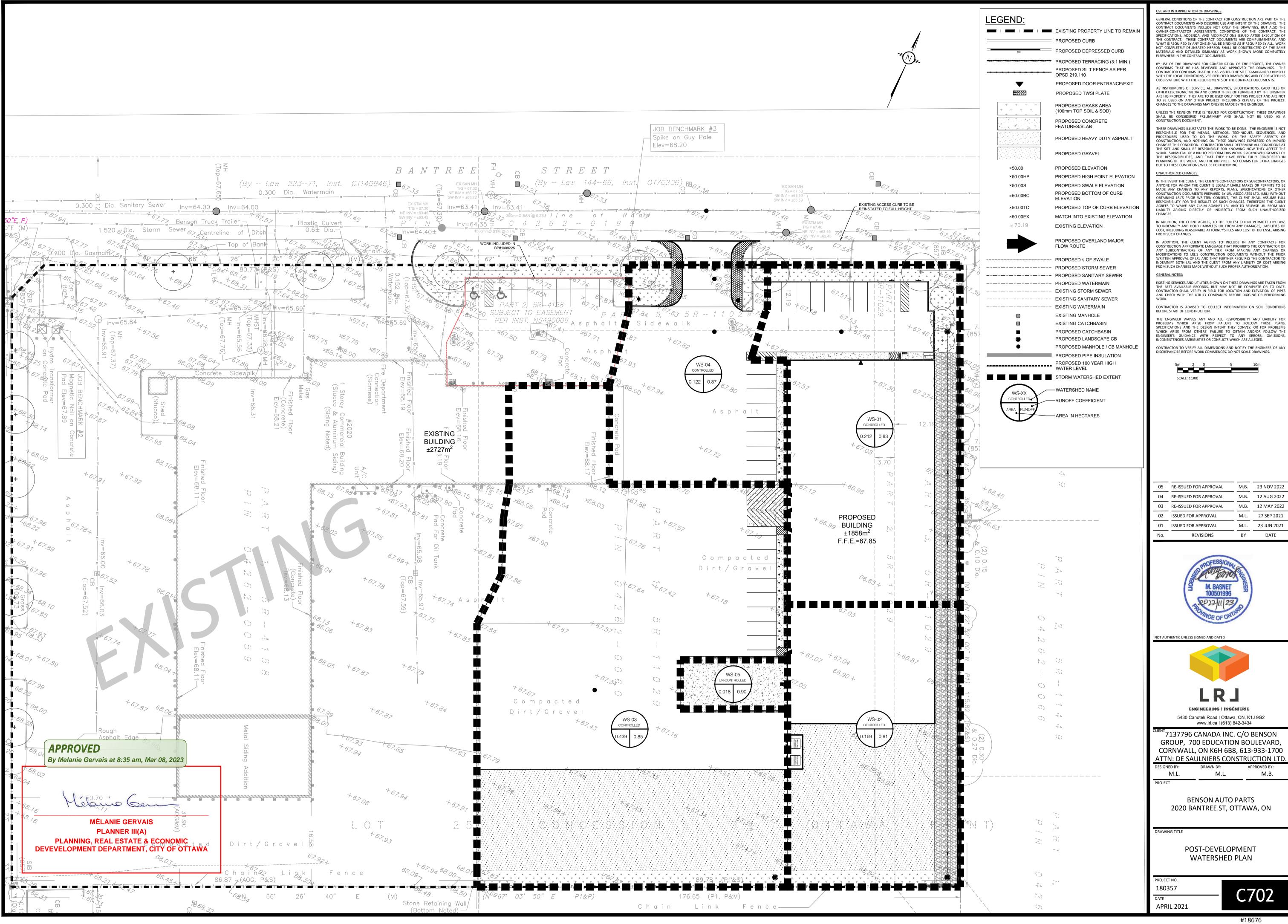
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DATE APRIL 2021



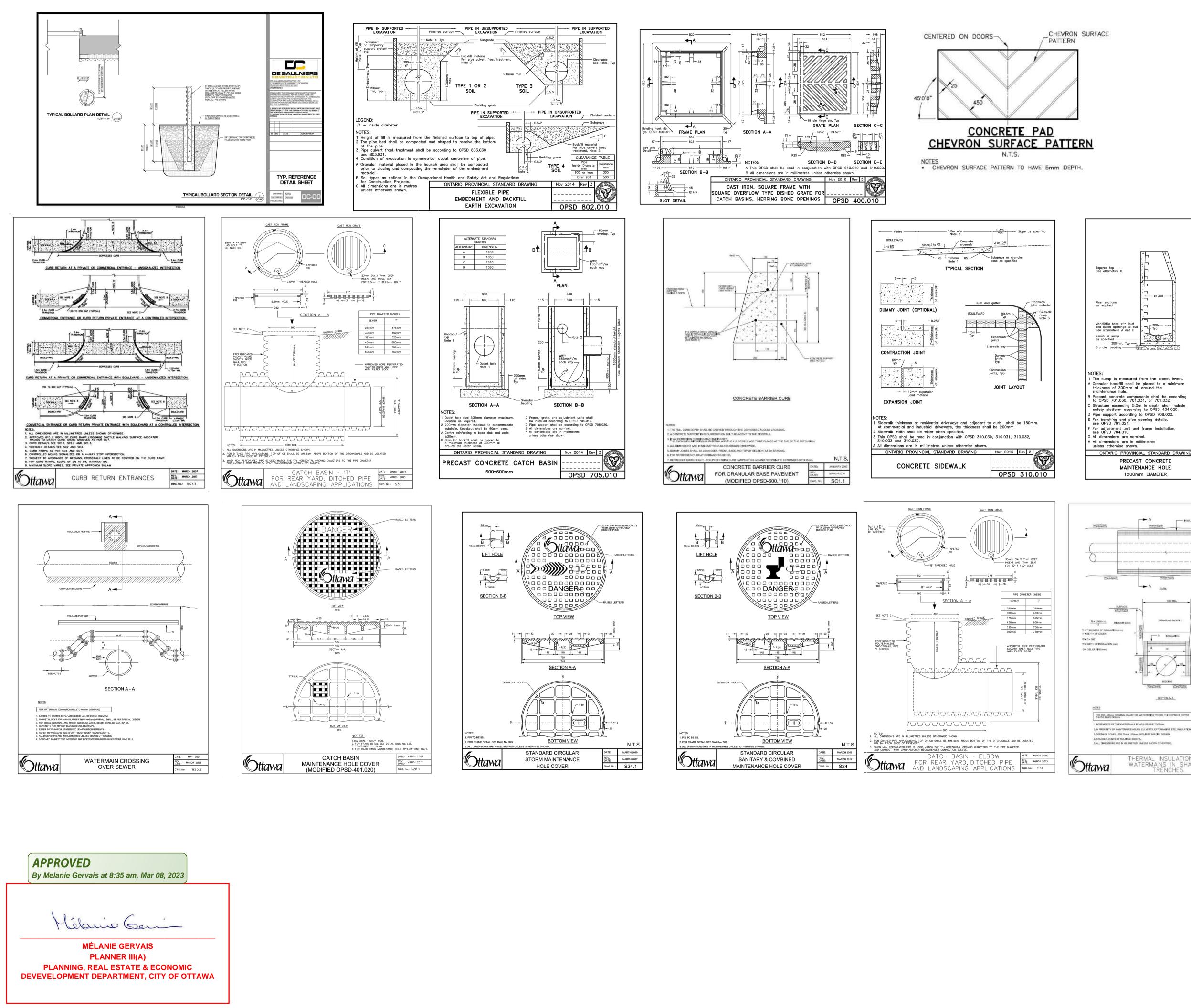
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7137796 CANADA INC. C/O BENSON GROUP, 700 EDUCATION BOULEVARD, CORNWALL, ON K6H 6B8, 613-933-1700 ATTN: DE SAULNIERS CONSTRUCTION LTD APPROVED BY:

2020 BANTREE ST, OTTAWA, ON



O____ beddin SUMP DETAIL ALTERNATIVES Bottom riser section with inlet and outlet openings to s – ø1200 – - ø1200sump as specified -A. O. Monolithic base with inlet and outlet openings to suit See alternatives A and B Granular — bedding A PRECAST SLAB BASE Granular bedding -----Riser section ø1200 ----______ 107 1 The sump is measured from the lowest invert. A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole. - Steel reinforcement as specified B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032. B CAST-IN-PLACE BASE Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020. D Pipe support according to OPSD 708.020. E For benching and pipe opening details, see OPSD 701.021. _____• Riser section -For adjustment unit and frame installation see OPSD 704.010. - ø1200 ---G All dimensions are nominal.

C PRECAST FLAT CAP

Nov 2014 Rev 5

PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER OPSD 701.010 Y/XW/XW/X Y/XY/XY/ YAWAWA YANYANY/ A 1000 MIN. · YAYAYAY GRANULAR BACKFILL BACKEEL TI = (2400 - H) MINIMUM 50mm TI INSULATION BEDOING w SECTION A - A FOR 150 - 400mm (NOMINAL DIAMETER) WATERMAINS, WHERE THE DEPTH OF COVER IS LESS THAN 2400mm INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm 2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCHBASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W23 3. DEPTH OF COVER LESS THAN 1200mm REQUIRES SPECIAL DESIGN 4. STAGGER JOINTS OF MULTIPLE SHEETS. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE

DATE: MAY 2001 REV. DATE: MARCH 2013 WATERMAINS IN SHALLOW TRENCHES DWG. No.: W22

THERMAL INSULATION FOR

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M.L.

M.L.

BENSON AUTO PARTS 2020 BANTREE ST, OTTAWA, ON

DRAWING TITLE

PROJECT NO 180357

APRIL 2021

CONSTRUCTION DETAIL PLAN



