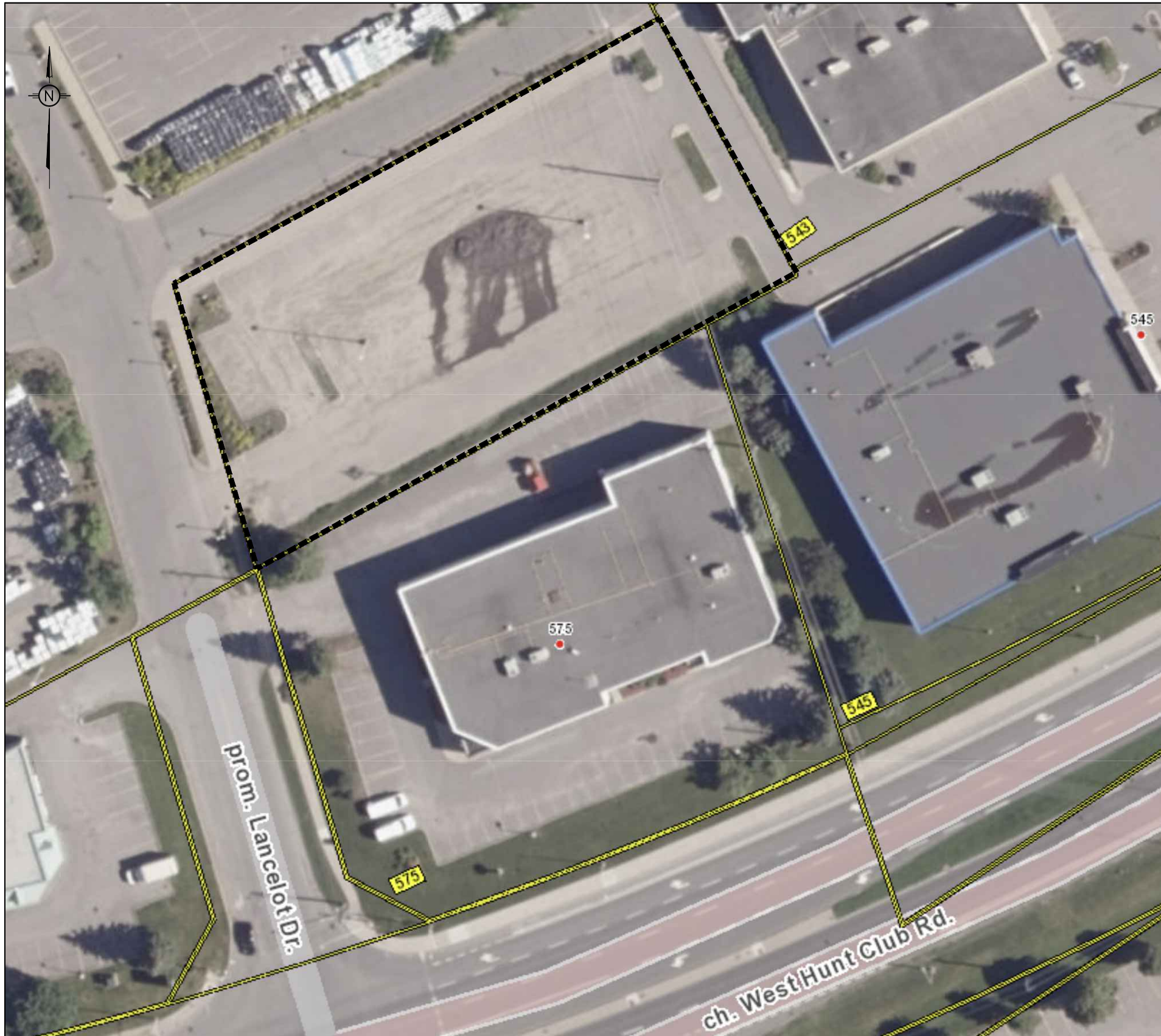


PROPOSED HALO DEVELOPMENT LANCELOT DRIVE AND HUNT CLUB ROAD NEPEAN, ON

REVISION 02



KEY PLAN (N.T.S.)

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LRL

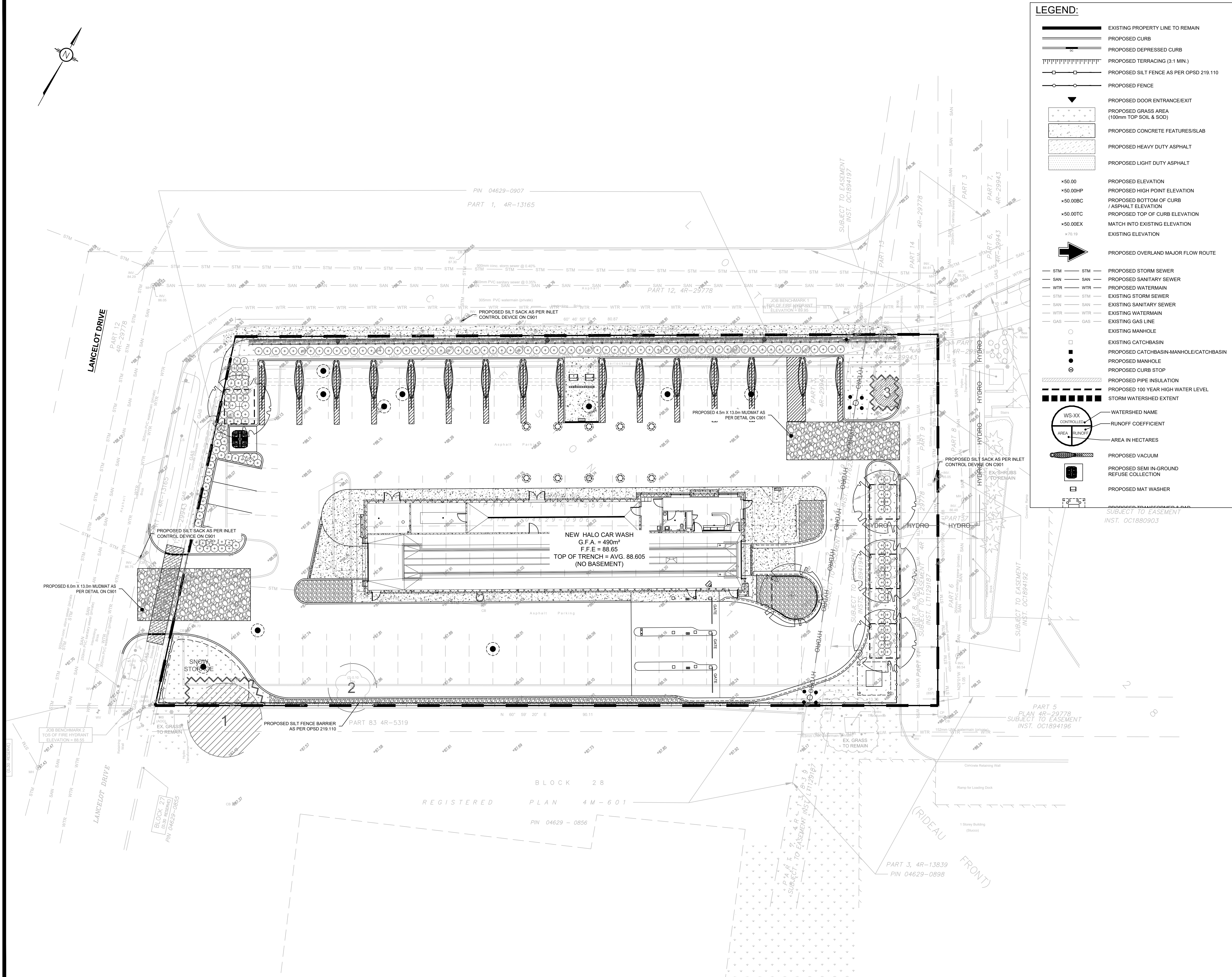
ENGINEERING | INGÉNIERIE

5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

PROPOSED HALO DEVELOPMENT
LANCELOT DRIVE AND HUNT CLUB ROAD, NEPEAN, ON
REV.02 - ISSUED FOR APPROVAL - AUGUST 28th, 2025
LRL PROJECT no: 240272



NOT AUTHENTIC UNLESS SIGNED AND DATED



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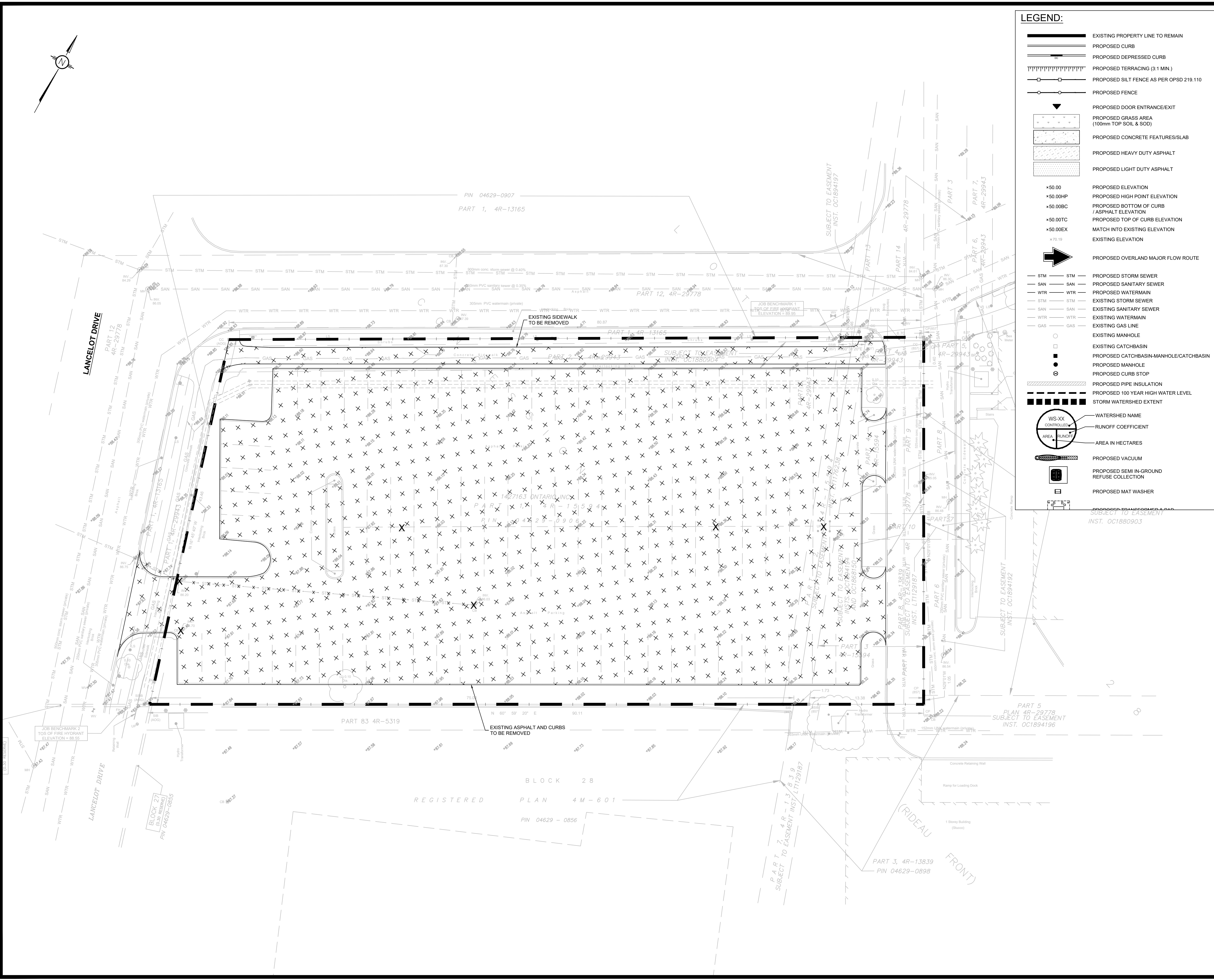
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- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED FENCE
- PROPOSED DOOR ENTRANCE/EXIT
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED ELEVATION
- PROPOSED HIGH POINT ELEVATION
- PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- MATCH INTO EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- STM
- SAN
- WTR
- STM
- SAN
- WTR
- SAN
- WTR
- GAS
- STM
- SAN
- WTR
- STM
- SAN
- WTR
- GAS
- EXISTING MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED MANHOLE
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WS-XX CONTROLLED AREA RUNOFF
- AREA IN HECTARES
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02 ISSUED FOR APPROVAL M.L. 28 AUG 2025

01 ISSUED FOR APPROVAL M.L. 04 APR 2025

No. REVISIONS BY DATE

LRL
ENGINEERING | INGENIERIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT
HALO CAR WASH

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

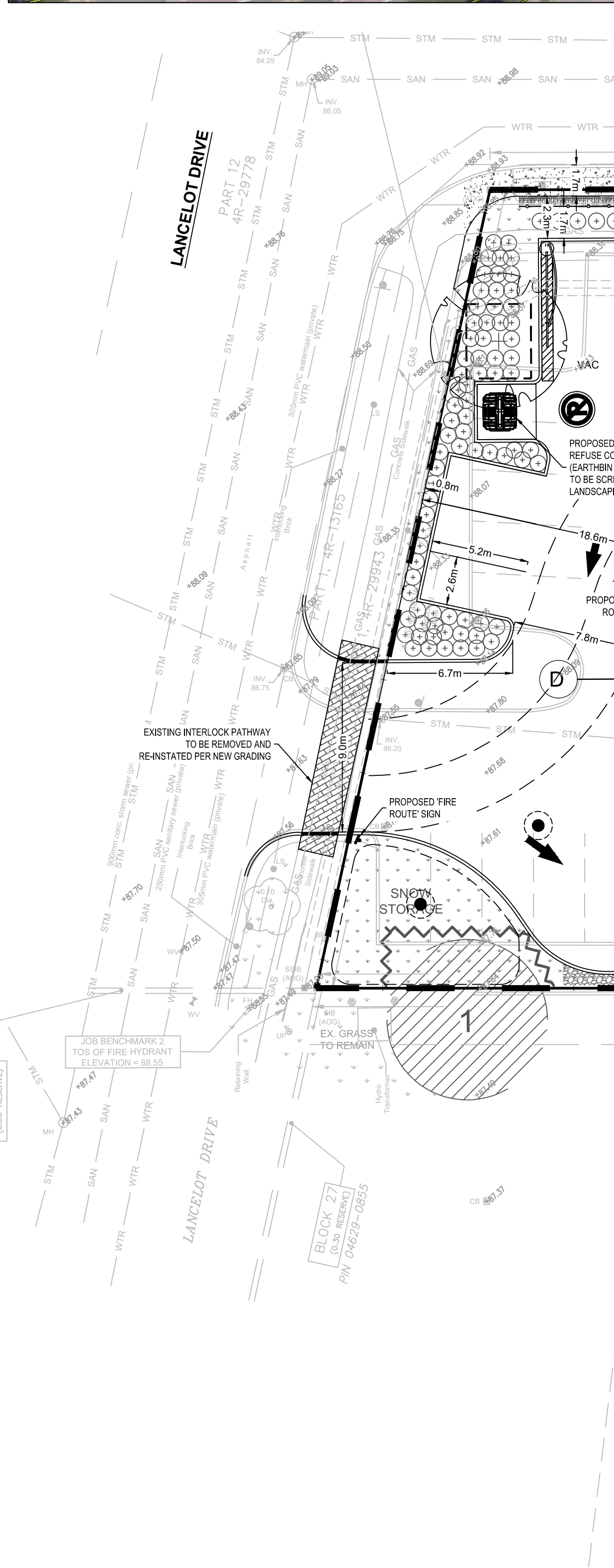
PROJECT
**PROPOSED HALO CAR WASH
LANCELOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON**

DRAWING TITLE
DEMOLITION PLAN

PROJECT NO.
240272

DATE
MAY 2024

C102



LEGEND:

	EXISTING PROPERTY LINE TO REMAIN
	PROPOSED CURB
	PROPOSED DEPRESSED CURB
	PROPOSED TERRACING (3:1 MIN.)
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	PROPOSED LIGHT DUTY ASPHALT
×50.00	PROPOSED ELEVATION
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×50.00BC	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION
×50.00TC	PROPOSED TOP OF CURB ELEVATION
×50.00EX	MATCH INTO EXISTING ELEVATION
×70.19	EXISTING ELEVATION
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SCALE: 1:200

02	ISSUED FOR APPROVAL	M.L.	28 AUG 2025
01	ISSUED FOR APPROVAL	M.L.	04 APR 2025
No.	REVISIONS	BY	DATE

NOT AUTHENTIC UNLESS SIGNED AND DATED

LR
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www.lri.ca | (613) 842-3434

CLIENT	HALO CAR WASH		
DESIGNED BY:	DRAWN BY:	APPROVED BY:	
M.L.	M.L.	M.B.	
PROJECT			

PROPOSED HALO CAR WASH
LANCELOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON

DRAWING TITLE

SITE DEVELOPMENT PLAN

PROJECT NO.	C2071E
DATE	MAY 2024

CONSULTANTS

PLANNER

Jonah Bonn
First Bay Properties Inc.
311 Richmond Road, Suite 301, Ottawa

SITE ENGINEERING

Maxime Longtin
LRL Engineering Ltd.
5430 Canotek Rd, Ottawa

ARCHITECT

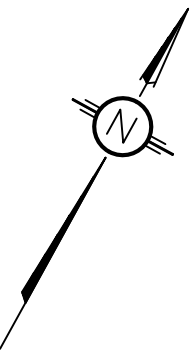
Ian Wilson
McRobie Architects - Interior Designers
Suite 100, 66 Queen Street, Ottawa

SURVEYOR

John H. Gutri
Fairhall Moffatt & Woodland
235 Terence Matthews Crescent, Kanata

The property information was derived from the topographical survey prepared by Fairhall Moffatt & Woodland prepared in April 2022.

**PART OF LOT 28, CONCESSION 1 (RIDEAU FRONT)
DESIGNATED AS PARTS 1, 2, 3 & 4
PLAN AR-15594 AS IN ALL OF PIN 04629-0905
GEOGRAPHIC TOWNSHIP OF NEPEAN
CITY OF OTTAWA**



PAVEMENT STRUCTURE

COURSE	MATERIAL	THICKNESS (mm)	
		AUTOMOBILE PARKING	TRUCK ROUTE (HEAVY TRAFFIC)
SURFACE	HL.3 A/C (PG 58-34)	50	40
BINDER	HL.8 A/C (PG 58-34)	--	50
BASECOURSE	OPSS GRANULAR "A"	150	150
SUBBASE	OPSS GRANULAR "B" TYPE II	300	400

NOTE:
IN PREPARATION FOR PAVEMENT CONSTRUCTION AT THIS SITE, ANY SURFICIAL OR NEAR SURFACE/SUBGRADE LEVEL TOPSOIL AND ANY SOFT, WET OR DELETERIOUS MATERIALS SHOULD BE REMOVED FROM THE PROPOSED PAVED AREAS. THE EXPOSED SUBGRADE SHOULD BE INSPECTED AND APPROVED BY GEOTECHNICAL PERSONNEL AND ANY SOFT AREAS EVIDENT SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE EARTH BORROW APPROVED BY THE GEOTECHNICAL ENGINEER. THE SUBGRADE SHOULD BE SHAPED AND CROWNED TO PROMOTE DRAINAGE OF THE SITE DRAINAGE STRUCTURES. FOLLOWING APPROVAL OF THE PREPARATION OF THE SUBGRADE, THE PAVEMENT GRANULARS MAY BE PLACED. REFER TO LATEST GEOTECHNICAL REPORT.

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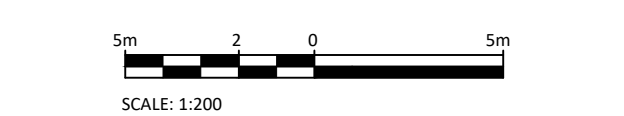
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02	ISSUED FOR APPROVAL	M.L.	28 AUG 2025
01	ISSUED FOR APPROVAL	M.L.	04 APR 2025

No.	REVISIONS	BY	DATE
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5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT

HALO CAR WASH

DESIGNED BY:	DRAWN BY:	APPROVED BY:
M.L.	M.L.	M.B.

PROJECT

PROPOSED HALO CAR WASH
LANCLOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON

DRAWING TITLE

GRADING AND DRAINAGE PLAN

PROJECT NO.	240272
DATE	MAY 2024

C301

PRELIMINARY CONSTRUCTION MANAGEMENT PLAN

1. WILL CONSTRUCTION REQUIRE THE TEMPORARY DETOUR OF A BUS ROUTE?
NO DETOUR OF A BUS ROUTE WILL BE REQUIRED.
2. WILL THIS WORK BLOCK A BIKE LANE?
NO BIKE LANE WILL BE BLOCKED DURING CONSTRUCTION.
3. WILL THIS WORK BLOCK A SIDEWALK?
A PRIVATE SIDEWALK WILL BE BLOCKED DURING CONSTRUCTION. A PHASING STRATEGY WILL BE PUT IN PLACE TO PROVIDE TEMPORARY ACCESS.
4. WILL THIS WORK REQUIRE A LANE OF TRAFFIC TO BE CLOSED?
A PRIVATE ROAD WILL BE BLOCKED DURING CONSTRUCTION. A PHASING STRATEGY WILL BE PUT IN PLACE TO PROVIDE TEMPORARY ACCESS.

PAVEMENT STRUCTURE

COURSE	MATERIAL	THICKNESS (mm)	
		AUTOMOBILE PARKING	TRUCK ROUTE (HEAVY TRAFFIC)
SURFACE	HL 3 A/C (PG 58-34)	50	40
BINDER	HL 8 A/C (PG 58-34)	--	50
BASECOURSE	OPSS GRANULAR "A"	150	150
SUBBASE	OPSS GRANULAR "B" TYPE II	300	400

NOTE:
IN PREPARATION FOR PAVEMENT CONSTRUCTION AT THIS SITE, ANY SURFICIAL OR NEAR SURFACE/SUBGRADE LEVEL TOPSOIL AND ANY SOFT, WET OR DELETERIOUS MATERIALS SHOULD BE REMOVED FROM THE PROPOSED PAVED AREAS. THE EXPOSED SUBGRADE SHOULD BE INSPECTED AND APPROVED BY GEOTECHNICAL PERSONNEL AND ANY SOFT AREAS EVIDENT SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE EARTH BORROW APPROVED BY THE GEOTECHNICAL ENGINEER. THE SUBGRADE SHOULD BE SHAPED AND CROWNED TO PROMOTE DRAINAGE OF THE SITE DRAINAGE STRUCTURES. FOLLOWING APPROVAL OF THE PREPARATION OF THE SUBGRADE, THE PAVEMENT GRANULARS MAY BE PLACED. REFER TO LATEST GEOTECHNICAL REPORT.

LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED FENCE
- PROPOSED DOOR ENTRANCE/EXIT
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
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- PROPOSED WATERMAIN
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- EXISTING WATERMAIN
- EXISTING GAS LINE
- EXISTING MANHOLE
- EXISTING CATCHBASIN
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- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES
- PROPOSED VACUUM
- PROPOSED SEMI IN-GROUND REFUSE COLLECTION
- PROPOSED MAT WASHER
- PROPOSED TRANSFORMER & PAD

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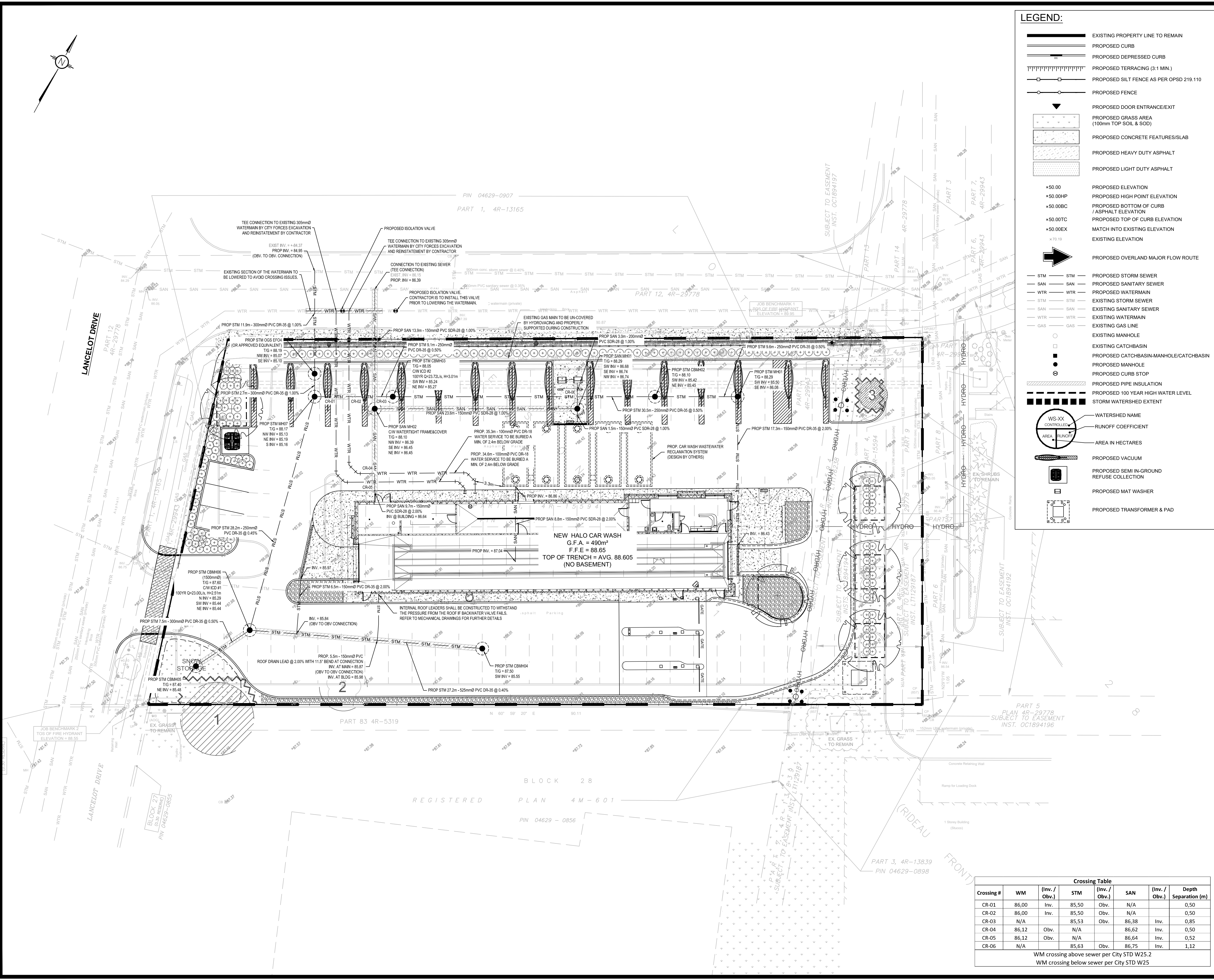


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CLIENT		
HALO CAR WASH		
DESIGNED BY:	DRAWN BY:	APPROVED BY:
M.L.	M.L.	M.B.
PROJECT		
PROPOSED HALO CAR WASH LANCLOT DRIVE & HUNT CLUB DRIVE NEPEAN, ON		

DRAWING TITLE
PRELIMINARY CONSTRUCTION PLAN

PROJECT NO. 240272	C302
DATE MAY 2024	



EXISTING PROPERTY LINE TO REMAIN

PROPOSED CURB

PROPOSED DEPRESSED CURB

PROPOSED TERRACING (3:1 MIN.)

PROPOSED SILT FENCE AS PER OPSD 219.11

PROPOSED FENCE

PROPOSED DOOR ENTRANCE/EXIT

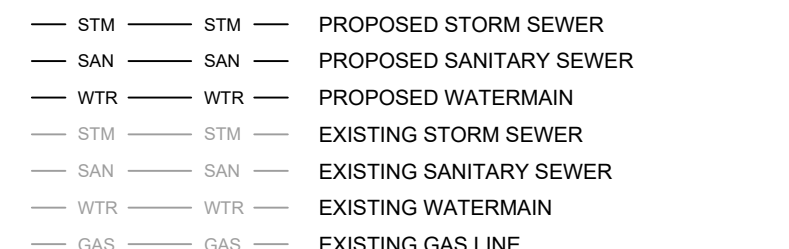
PROPOSED GRASS AREA
(100mm TOP SOIL & SILT)









PROPOSED CONCRETE FEATURES/SLAB

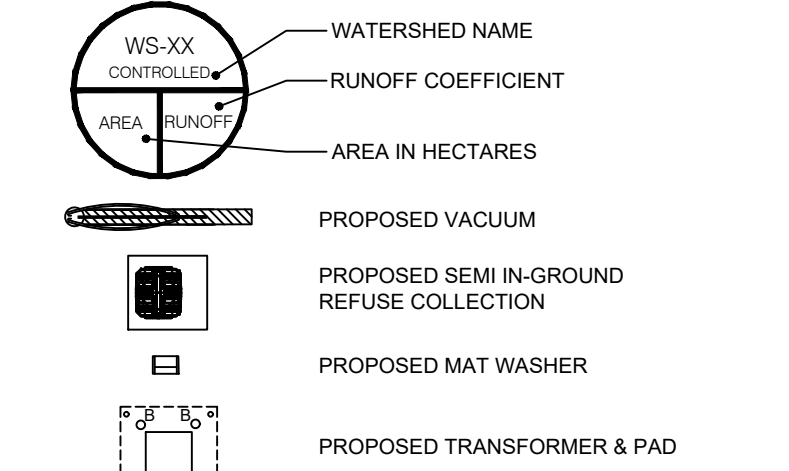
PROPOSED HEAVY DUTY ASPHALT

PROPOSED LIGHT DUTY ASPHALT

×50.00	PROPOSED ELEVATION
×50.00HP	PROPOSED HIGH POINT ELEVATION
×50.00BC	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION
×50.00TC	PROPOSED TOP OF CURB ELEVATION
×50.00EX	MATCH INTO EXISTING ELEVATION
×70.19	EXISTING ELEVATION



	EXISTING MANHOLE
	EXISTING CATCHBASIN
	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
	PROPOSED MANHOLE
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	PROPOSED PIPE INSULATION
	PROPOSED 100 YEAR HIGH WATER LEVEL
	STORM WATERSHED EXTENT



5m 2 0 5m

SCALE: 1:200



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www.lrl.ca | (613) 842-3434

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

DRAWING TITLE

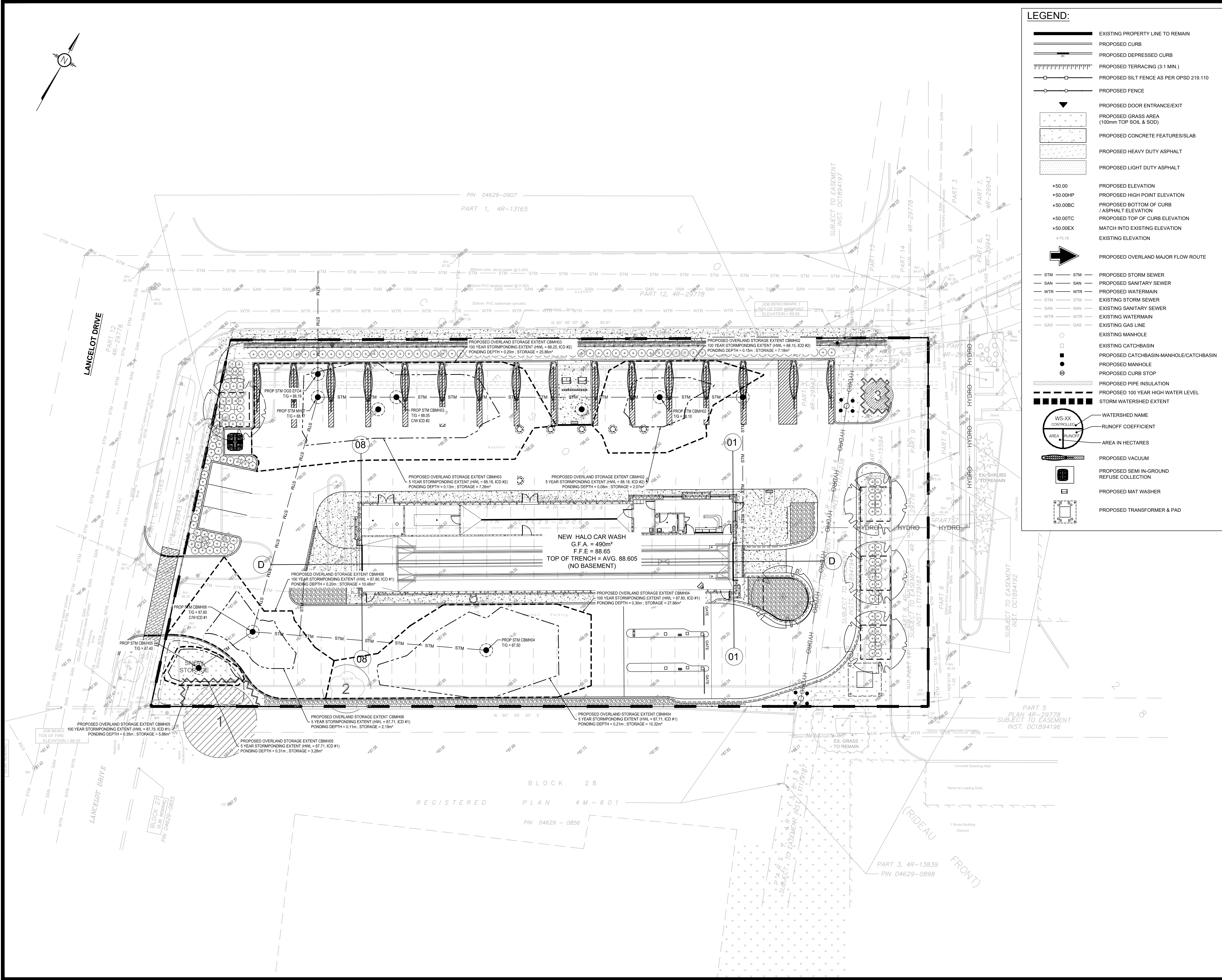
SERVICING PLAN

PROJECT NO.
240272

DATE
MAY 2024

C401

Crossing Table							
Crossing #	WM	(Inv. / Obv.)	STM	(Inv. / Obv.)	SAN	(Inv. / Obv.)	Depth Separation (m)
CR-01	86,00		Inv.	85,50	N/A		0,50
CR-02	86,00		Inv.	85,50	Obv.	N/A	0,50
CR-03	N/A			85,53	Obv.	86,38	0,85
CR-04	86,12	Obv.	N/A		86,62	Inv.	0,50
CR-05	86,12	Obv.	N/A		86,64		0,52
CR-06	N/A		85,63	Obv.	86,75	Inv.	1,12



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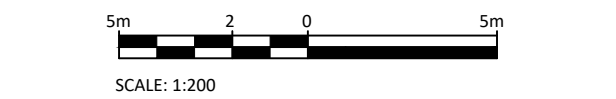
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CLIENT

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DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

PROJECT

PROPOSED HALO CAR WASH
LANCELOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON

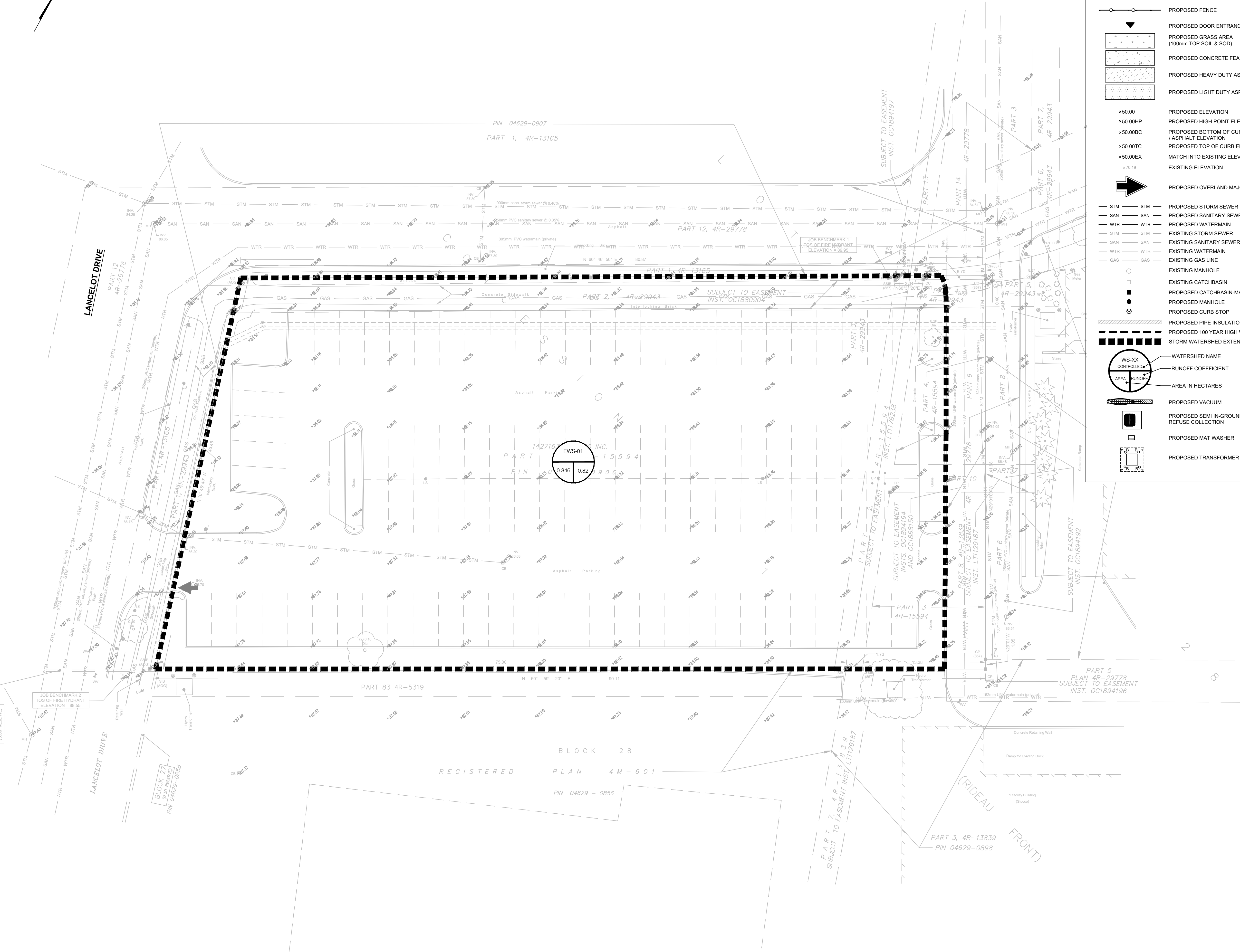
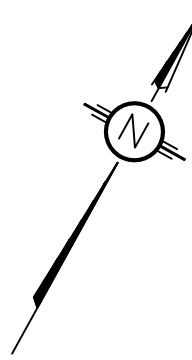
DRAWING TITLE

STORMWATER MANAGEMENT PLAN

PROJECT NO.
240272

DATE
MAY 2024

C601



LEGEND:

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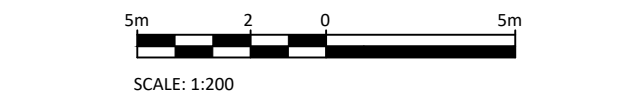
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02	ISSUED FOR APPROVAL	M.L.	28 AUG 2025
01	ISSUED FOR APPROVAL	M.L.	04 APR 2025
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED

LRL
ENGINEERING | INGENIERIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT
HALO CAR WASH

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

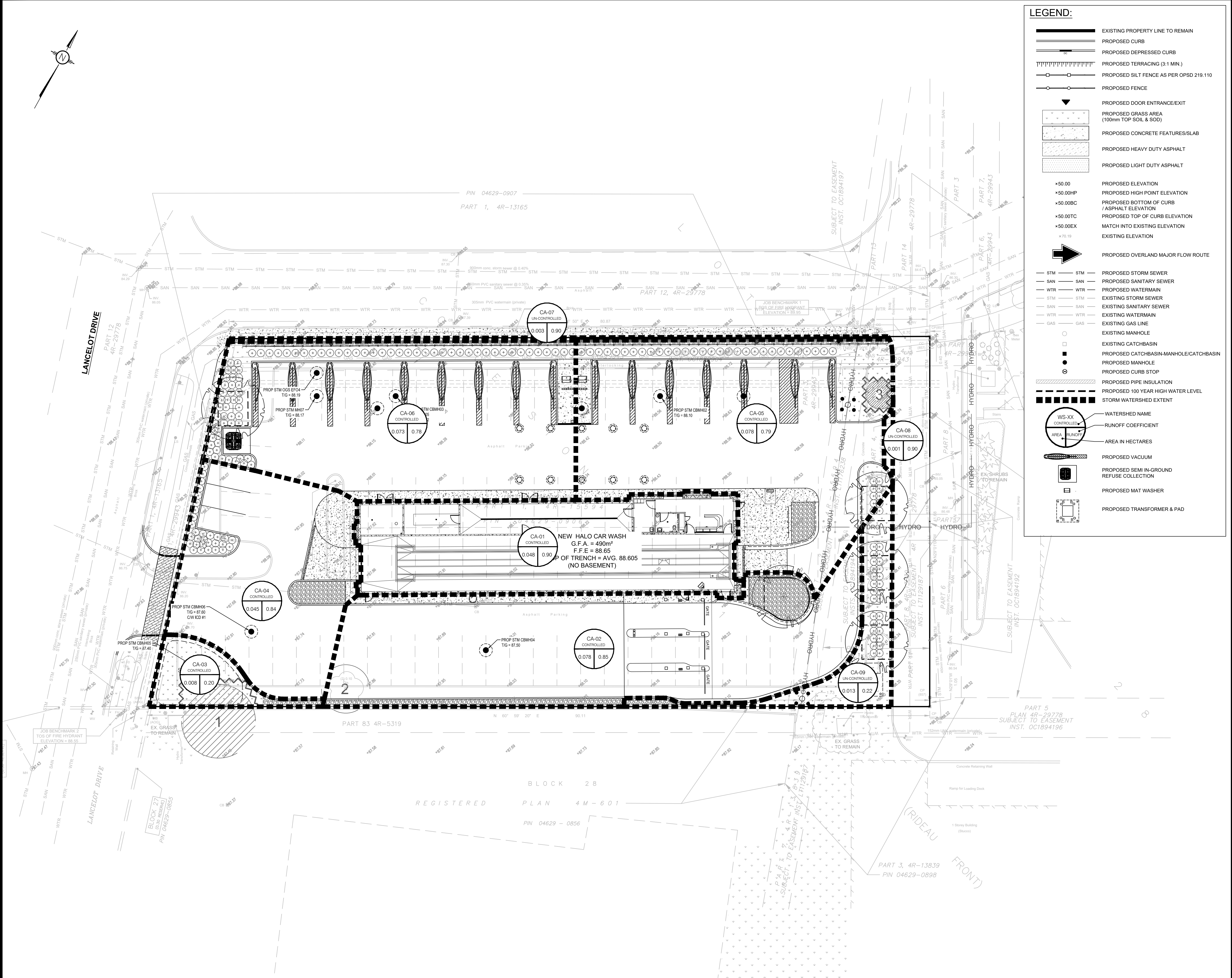
PROJECT
**PROPOSED HALO CAR WASH
LANCELOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON**

DRAWING TITLE
**PRE-DEVELOPMENT
WATERSHED PLAN**

PROJECT NO.
240272

DATE
MAY 2024

C701



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED FENCE
- PROPOSED DOOR ENTRANCE/EXIT
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED ELEVATION
- PROPOSED HIGH POINT ELEVATION
- PROPOSED BOTTOM OF CURB
- PROPOSED TOP OF CURB ELEVATION
- MATCH INTO EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING GAS LINE
- EXISTING MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED MANHOLE
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES
- PROPOSED VACUUM
- PROPOSED SEMI IN-GROUND REFUSE COLLECTION
- PROPOSED MAT WASHER
- PROPOSED TRANSFORMER & PAD

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02 ISSUED FOR APPROVAL M.L. 28 AUG 2025

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No. REVISIONS BY DATE

LRL
ENGINEERING | INGENIERIE
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CLIENT: HALO CAR WASH

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

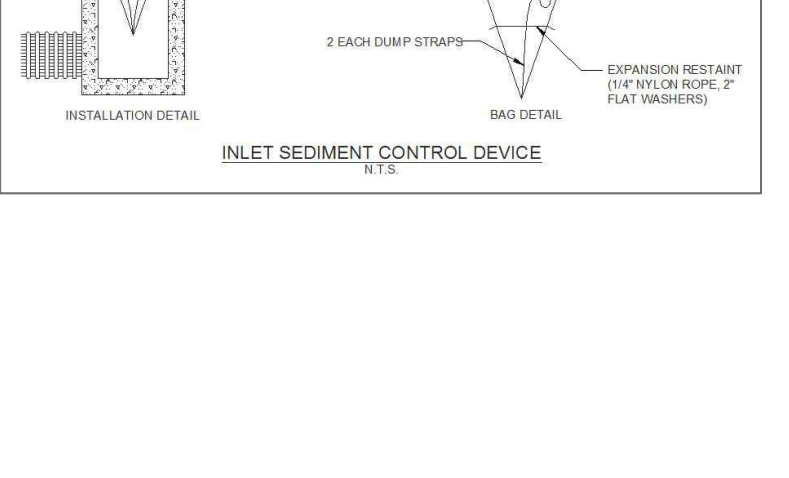
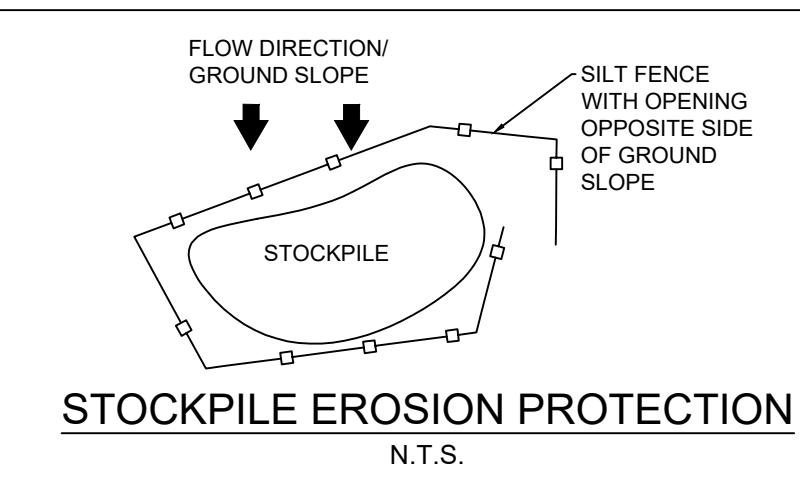
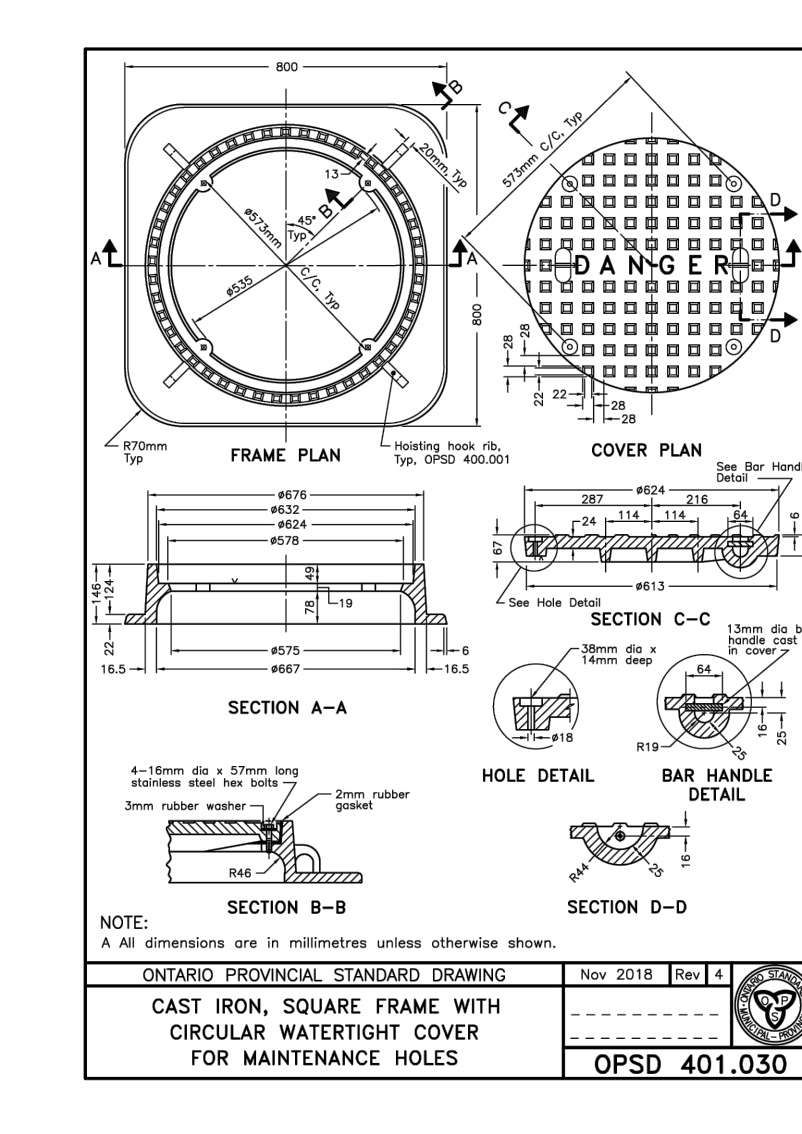
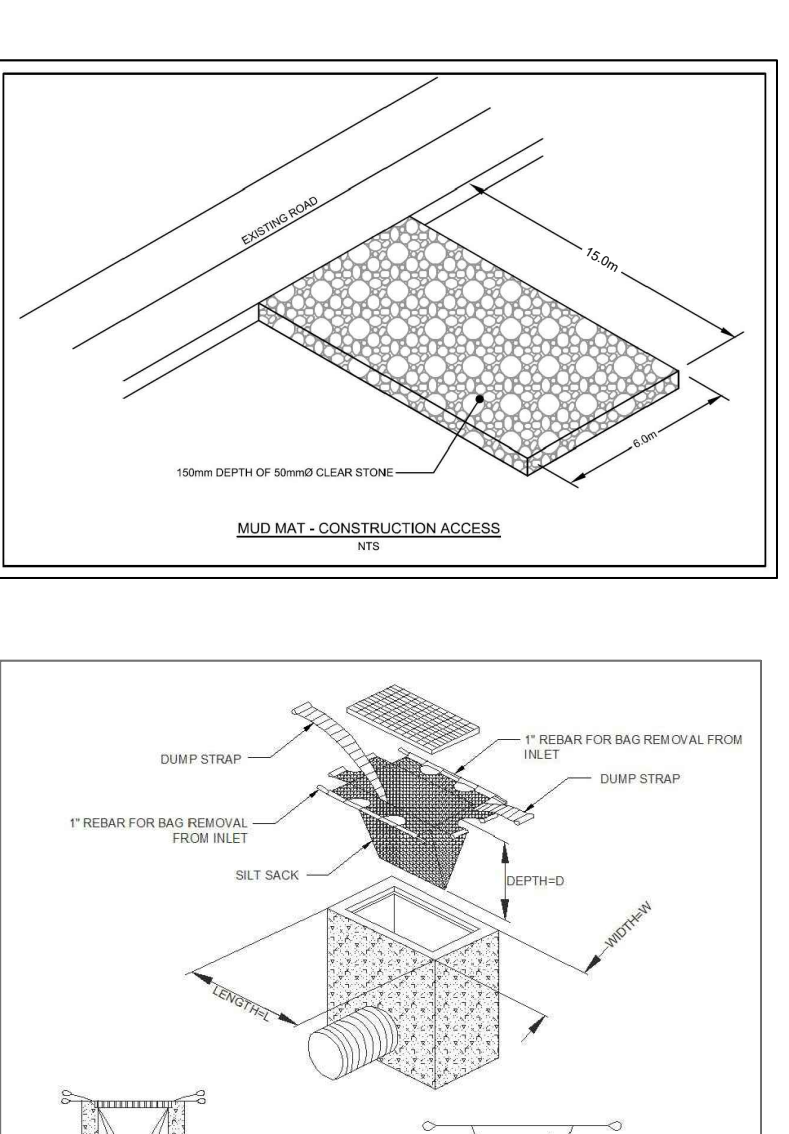
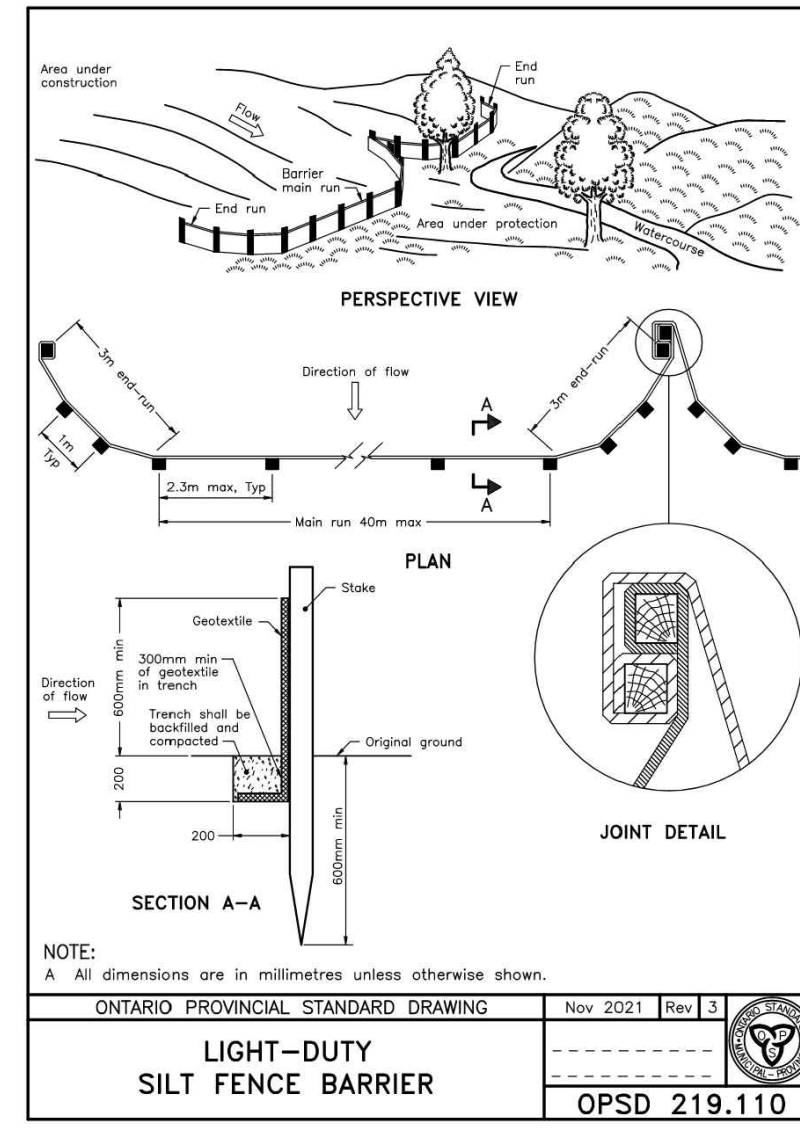
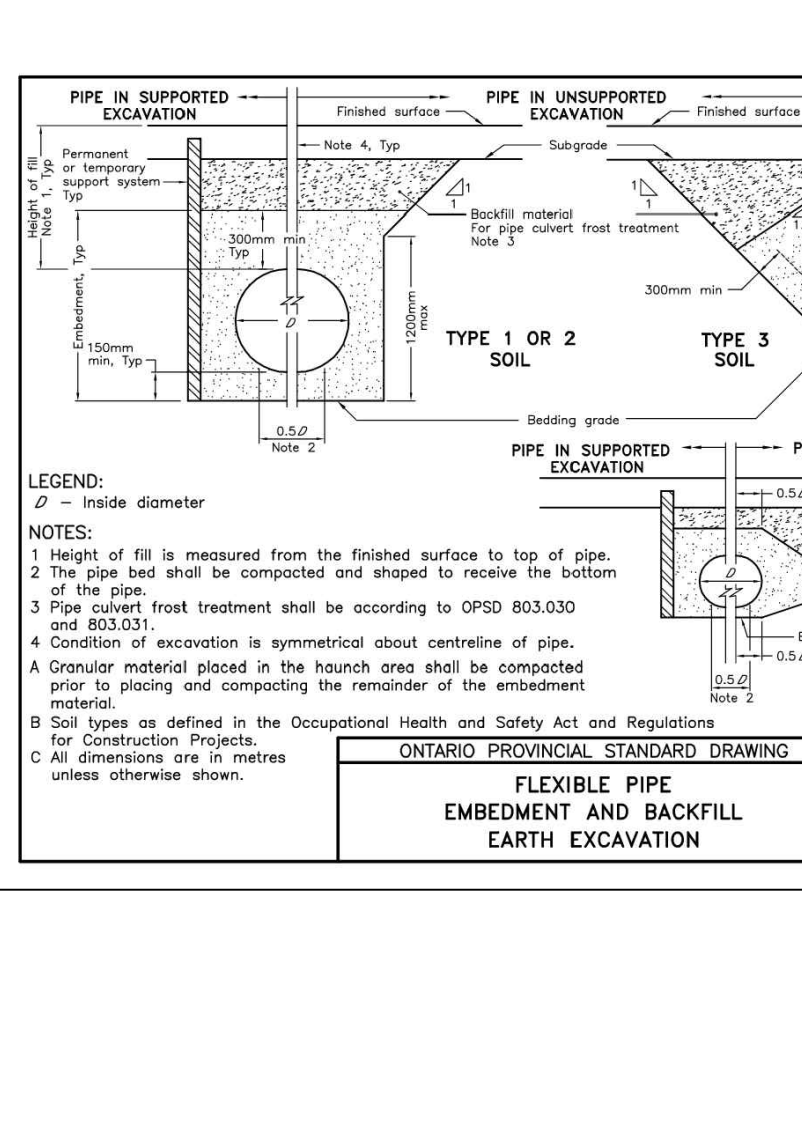
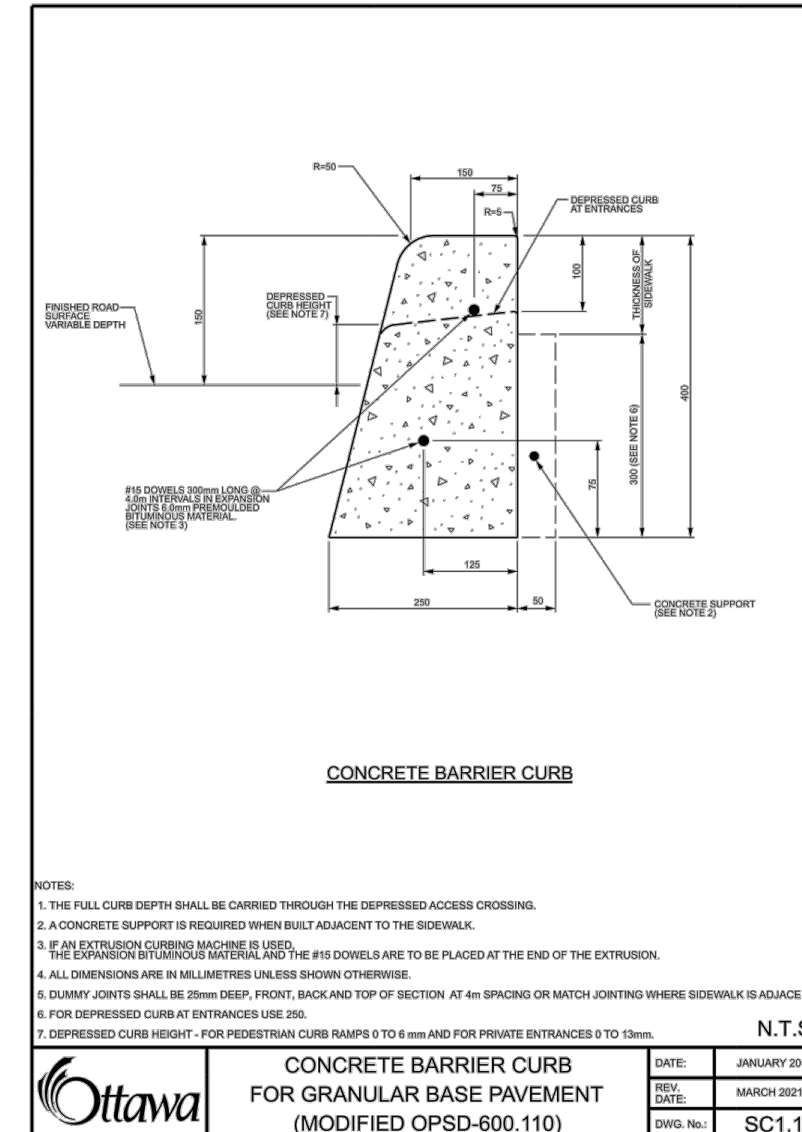
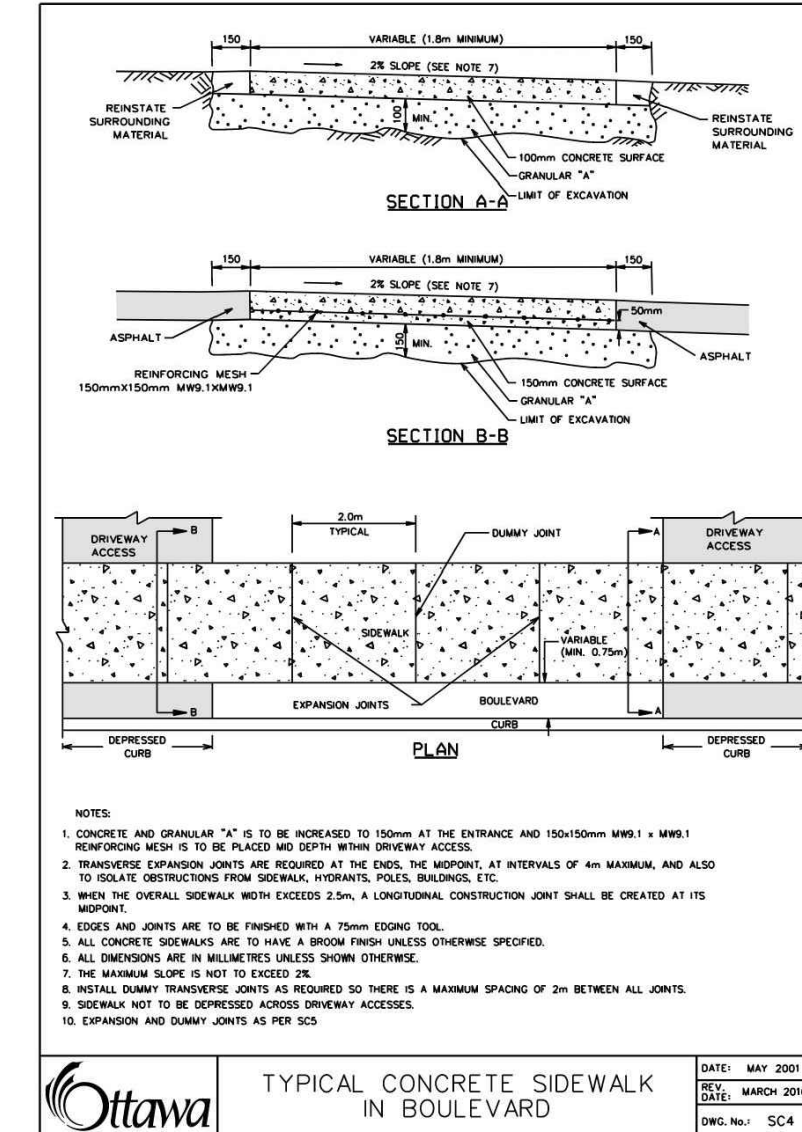
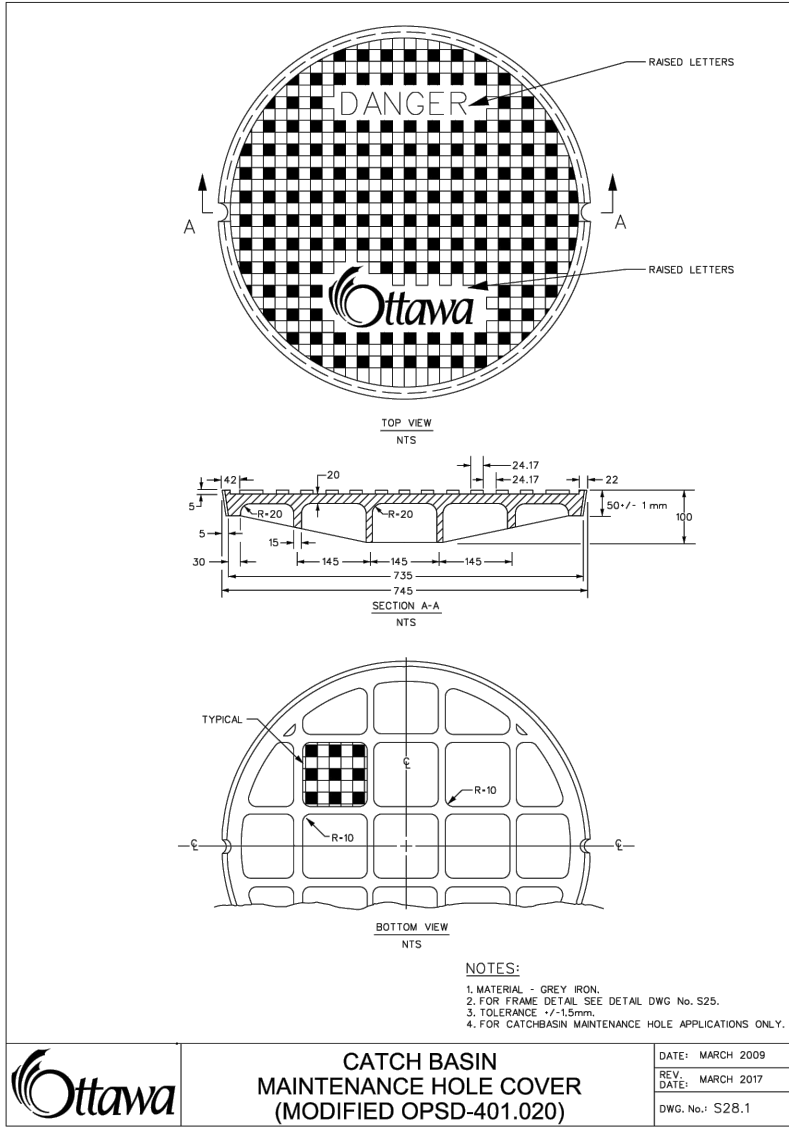
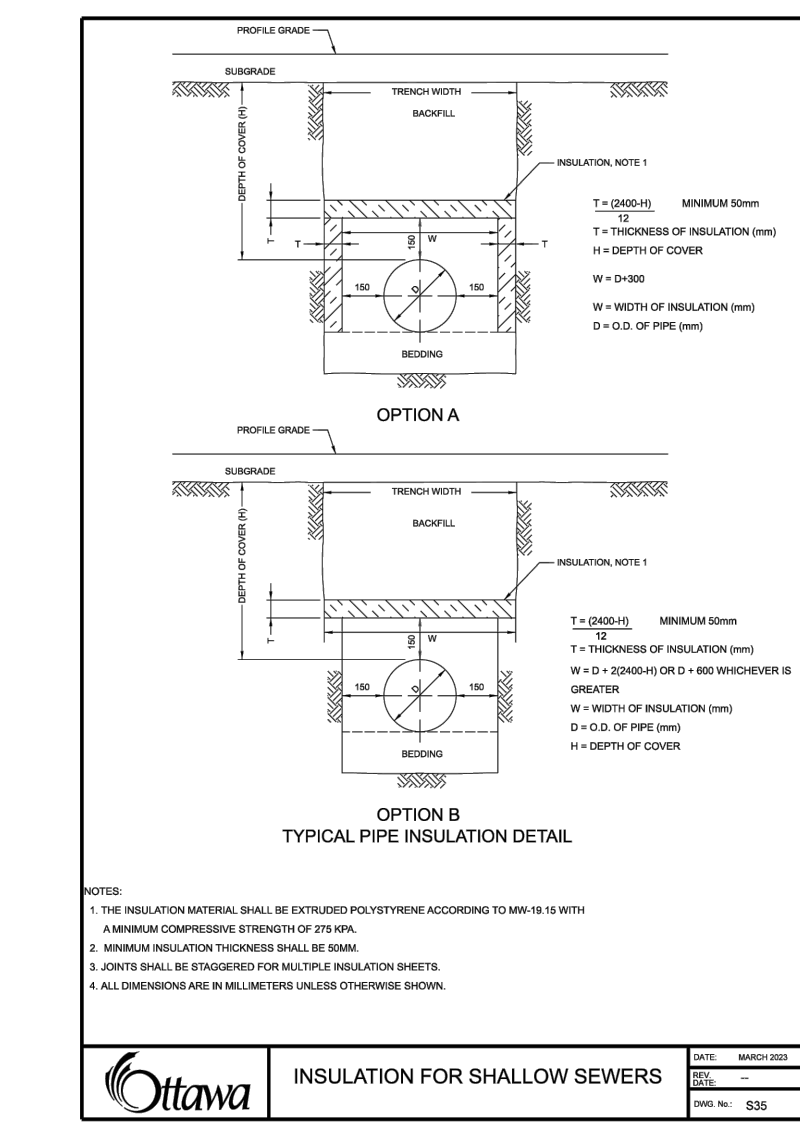
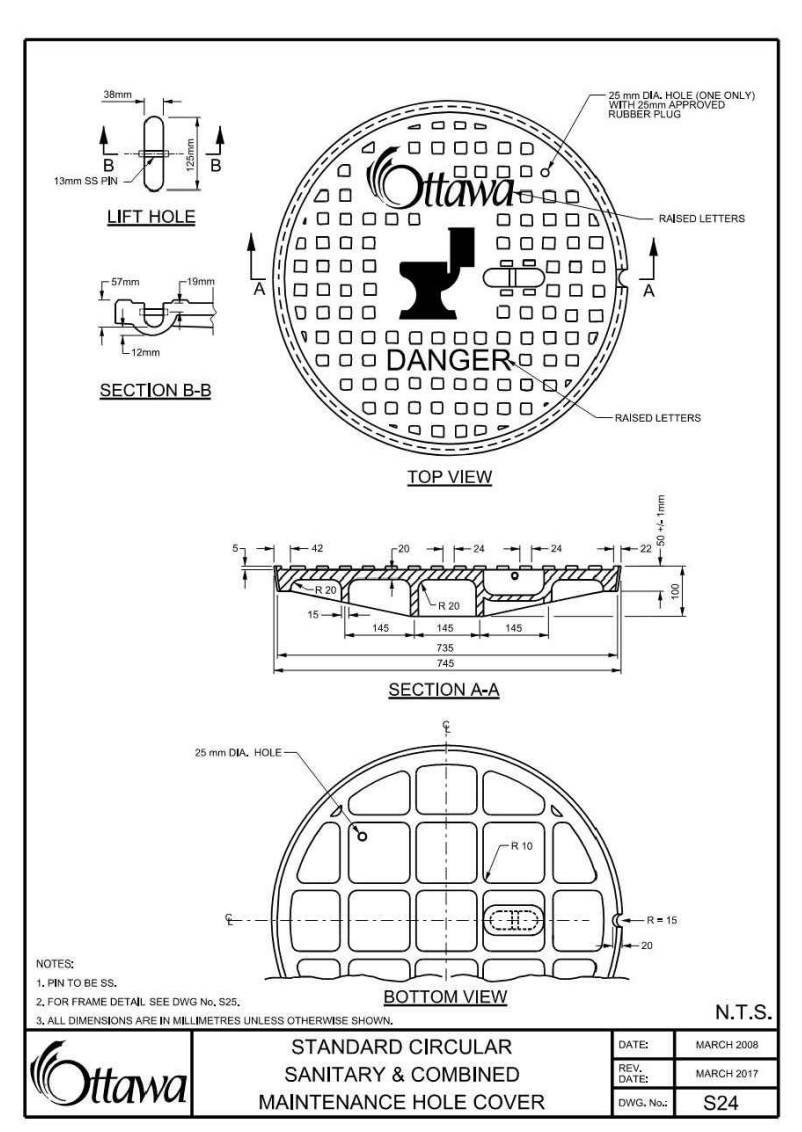
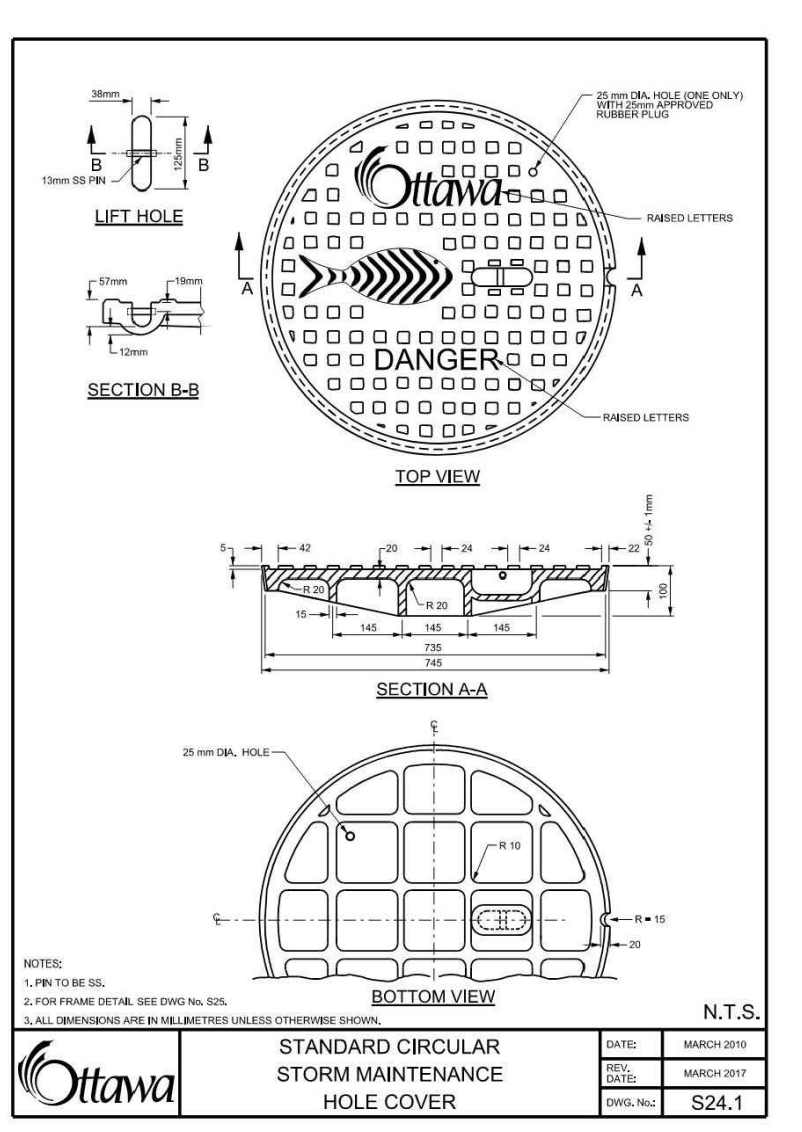
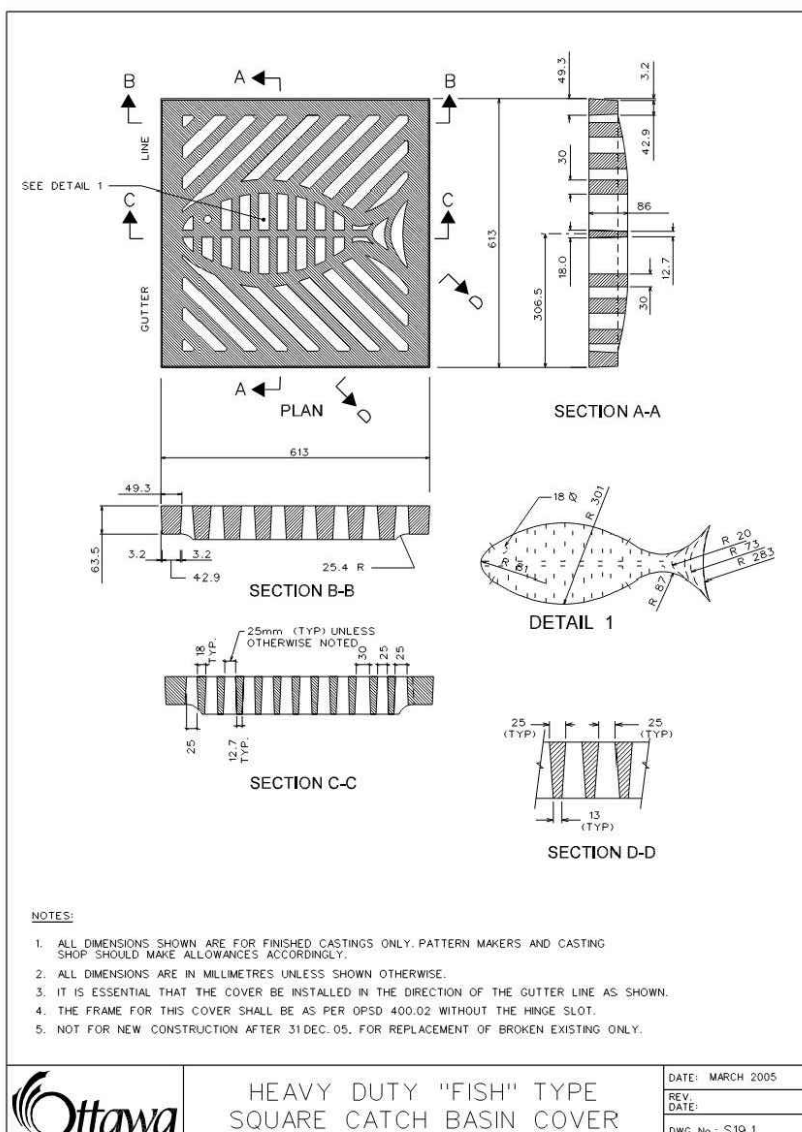
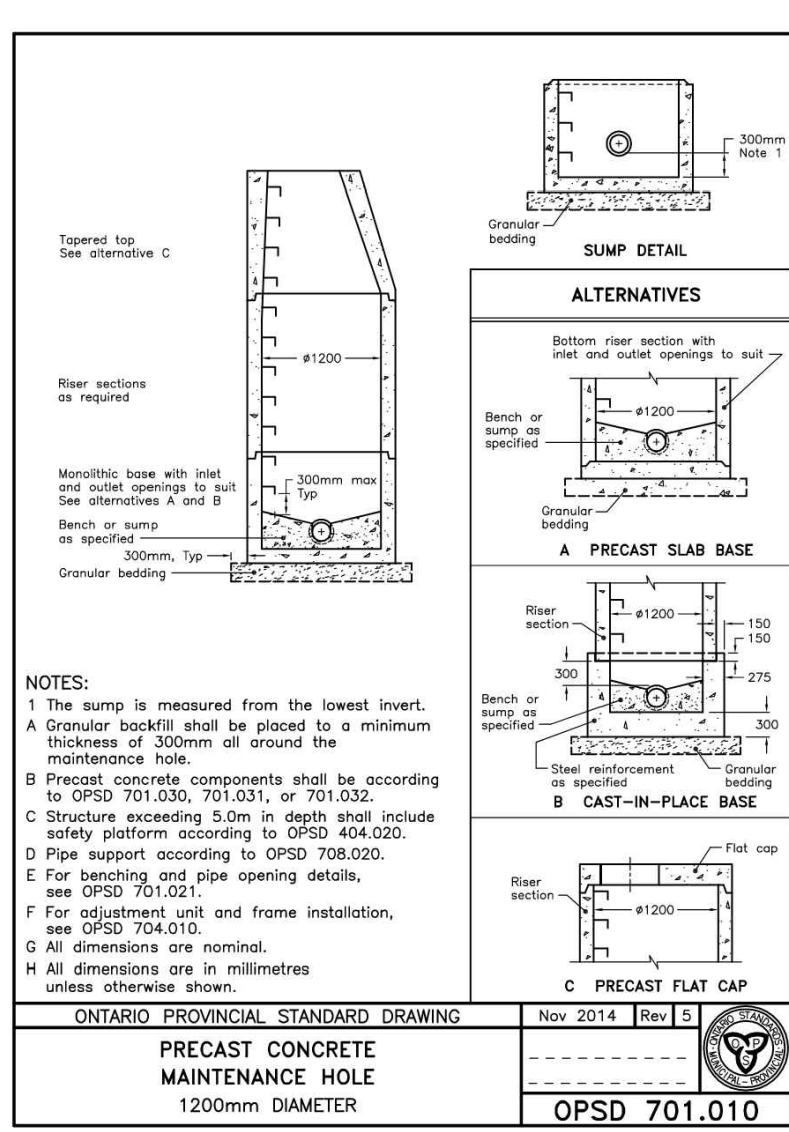
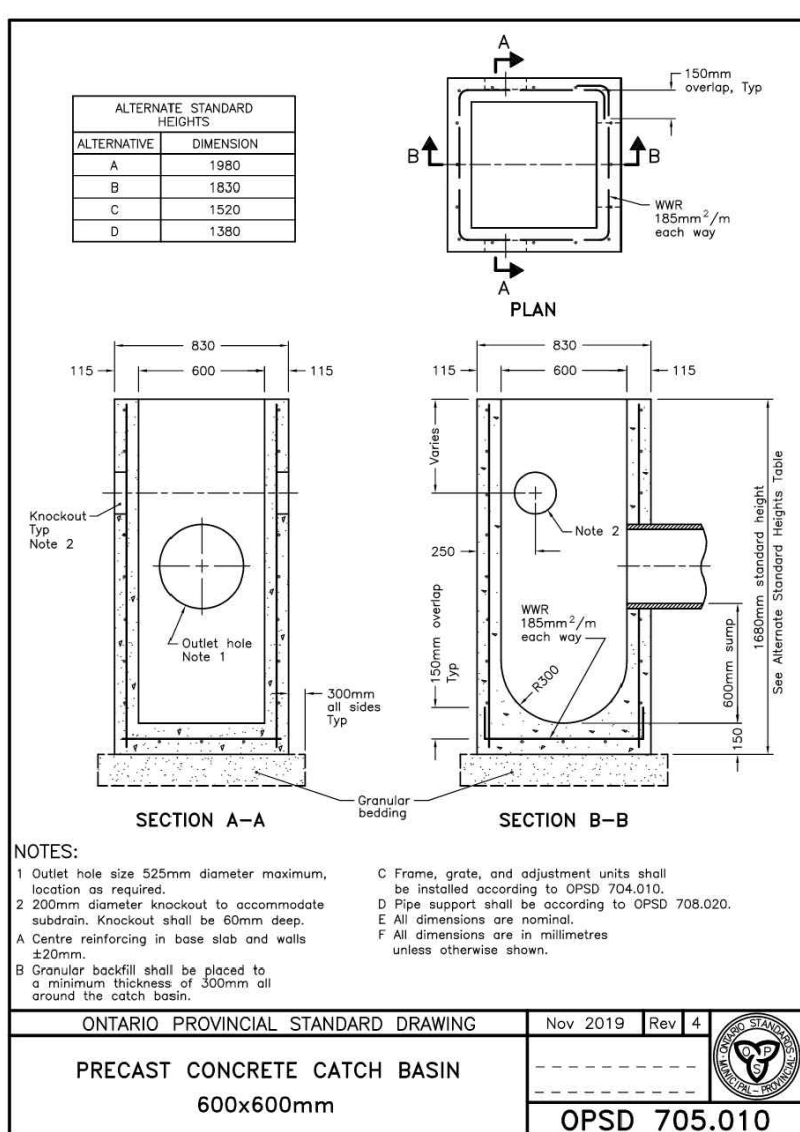
PROJECT: PROPOSED HALO CAR WASH
LANCELOT DRIVE & HUNT CLUB DRIVE
NEPEAN, ON

DRAWING TITLE: POST-DEVELOPMENT WATERSHED PLAN

PROJECT NO. 240272

DATE MAY 2024

C702



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CLIENT
HALO CAR WASH

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: M.B.

PROJECT
**PROPOSED HALO CAR WASH
 LANCELOT DRIVE & HUNT CLUB DRIVE
 NEPEAN, ON**

DRAWING TITLE
CONSTRUCTION DETAIL PLAN

PROJECT NO.
240272

DATE
MAY 2024

C901