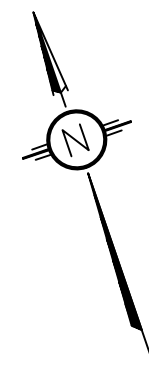


CORONATION STREET (REGISTERED PLAN 605)

P.I.N. 04256 -- 04256



LEGEND:

	EXISTING PROPERTY LINE TO REMAIN
	PROPOSED CURB
	PROPOSED DEPRESSED CURB AS PER CITY STD S.C.1
	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 RIP RAP
	PROPOSED ELEVATION
	PROPOSED HIGH POINT ELEVATION
	PROPOSED SWALE ELEVATION
	PROPOSED BOTTOM OF CURB / ASPHALT ELEVATION
	PROPOSED TOP OF CURB ELEVATION
	MATCH INTO EXISTING ELEVATION
	EXISTING ELEVATION
	PROPOSED OVERLAND MAJOR FLOW ROUTE
	PROPOSED 100mm PERFORATED SUBDRAIN
	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

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE THE USE AND INTENT OF THE DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY.

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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 PARTS OF THESE 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 LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

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GENERAL NOTES:
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CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.
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CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.



05	RE-ISSUED FOR MUNICIPAL APPROVAL	A.S.	19 NOV 2021
04	ISSUED FOR MUNICIPAL APPROVAL	A.S.	29 OCT 2021
03	ISSUED FOR MUNICIPAL APPROVAL	A.S.	13 NOV 2020
02	ISSUED FOR MUNICIPAL APPROVAL	A.S.	30 OCT 2020
01	ISSUED FOR MUNICIPAL APPROVAL	A.S.	02 OCT 2020
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED



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

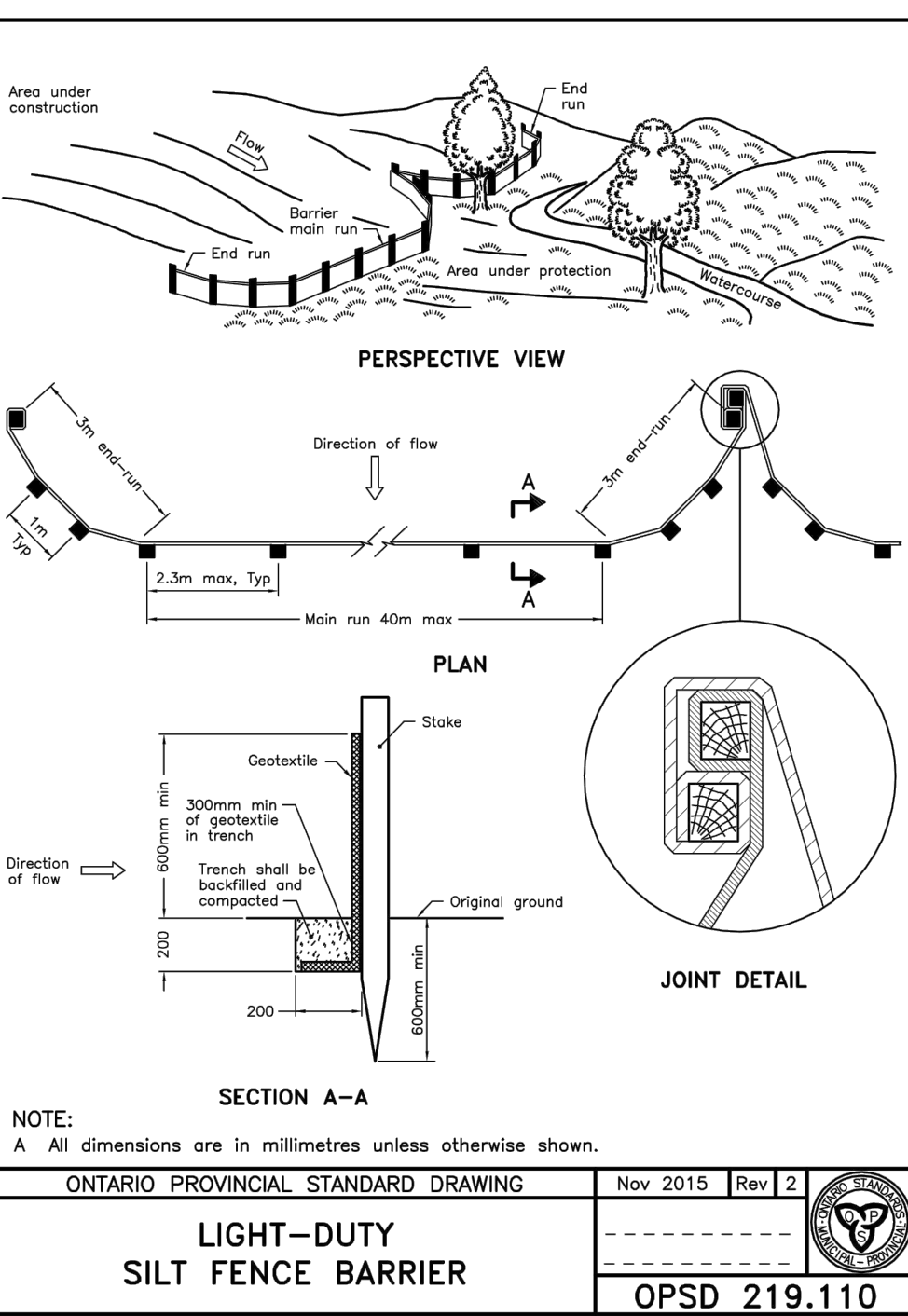
CLIENT	MARK FARRELL 533 Gilmour Street, Ottawa ON K1R 5L3		
DESIGNED BY:	A.S.	DRAWN BY:	A.S.
		APPROVED BY:	M.B.

700 CORONATION AVENUE
PROPOSED 4-STORY BUILDING ADDITION

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO.	200463	C101
DATE	SEPTEMBER 2020	

#18322



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
LIGHT-DUTY SILT FENCE BARRIER		OPSD 219.110

EROSION AND SEDIMENT CONTROL MEASURES:
** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES **

THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

1. PRIOR TO START OF CONSTRUCTION:

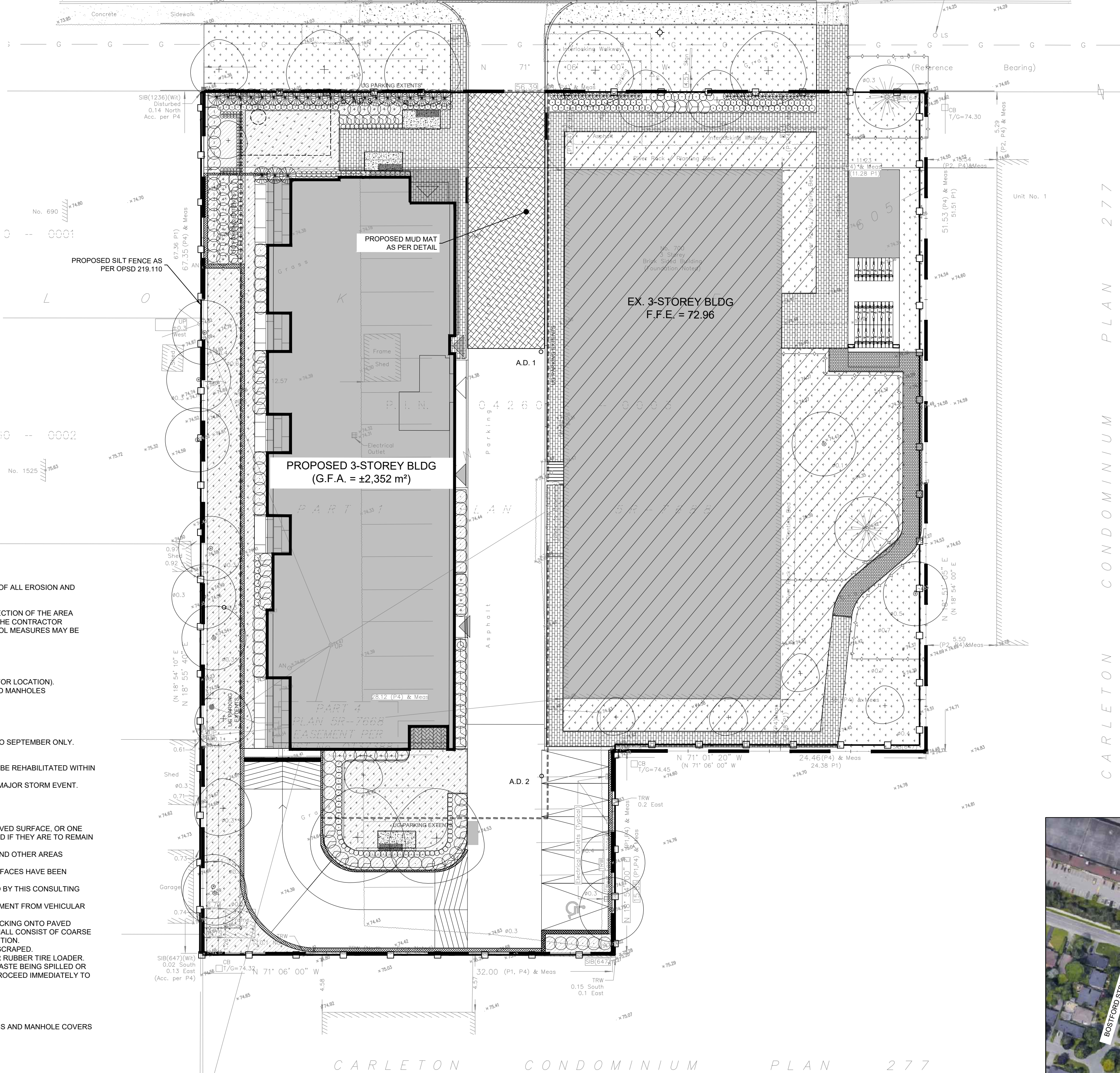
- PRIOR TO THE REMOVAL OF ANY VEGETATIVE COVER, MOVING OF SOIL AND CONSTRUCTION:
- INSTALL SILT FENCE IMMEDIATELY DOWNSTREAM FROM AREAS TO BE DISTURBED (SEE PLAN FOR LOCATION).
- INSTALL GEOSOCK INSERTS WITH AN OVERFLOW IN ALL THE DOWNSTREAM CATCHBASINS AND MANHOLES
- INSTALL SILT SACK FILTERS IN ALL CONCRETE CATCH BASIN STRUCTURES
- INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.

2. DURING CONSTRUCTION:

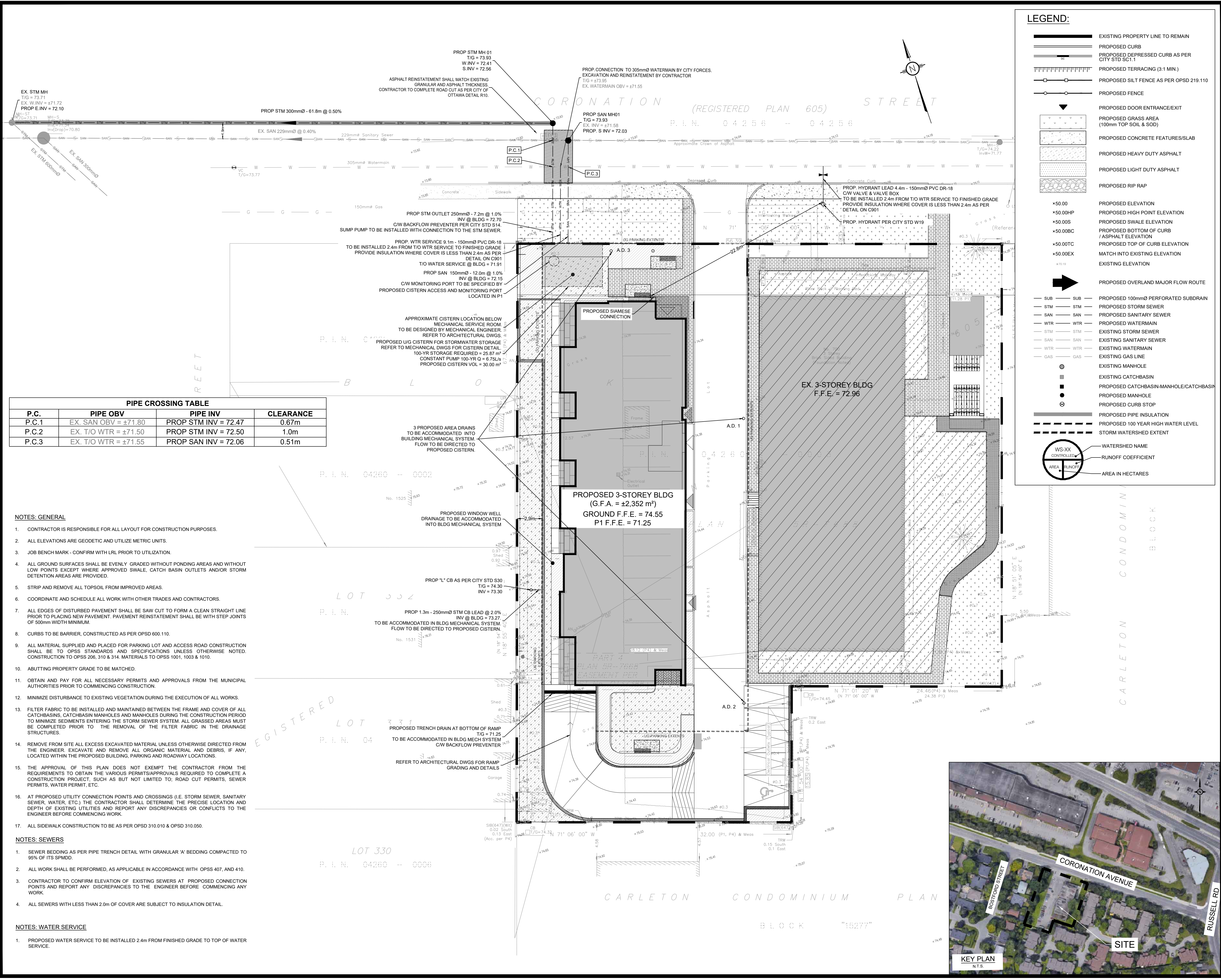
- WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS TO BE CARRIED OUT FROM JULY TO SEPTEMBER ONLY.
- MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE.
- PROTECT DISTURBED AREAS FROM RUNOFF.
- PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
- INSPECT SILT FENCES, FILTER CLOTHS AND CATCH BASIN SUMPS WEEKLY AND AFTER EVERY MAJOR STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
- CONSTRUCT SWALES AS PER DETAIL.
- PLAN TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION
- EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
- DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
- CONTROL WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED).
- ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
- NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THIS CONSULTING ENGINEER AND THE CITY DEPARTMENT OF PUBLIC WORKS.
- CONTRACTOR RESPONSIBLE FOR CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING ETC. AT THE END OF EACH WORK DAY.
- PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PREVENT MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 15m LONG, 4M WIDE AND 0.3m DEEP AND SHALL CONSIST OF COARSE (50mm CRUSHED RURAL LIMESTONE) MATERIAL. MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.
- DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
- ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
- TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.

3. AFTER CONSTRUCTION:

- PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
- REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANHOLE COVERS AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED.
- INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.



KEY PLAN N.T.S.



PIPE CROSSING TABLE

P.C.	PIPE OBV	PIPE INV	CLEARANCE
P.C.1	EX. SAN OBV = ±71.80	PROP STM INV = 72.47	0.67m
P.C.2	EX. T/O WTR = ±71.50	PROP STM INV = 72.50	1.0m
P.C.3	EX. T/O WTR = ±71.55	PROP SAN INV = 72.06	0.51m

- NOTES: GENERAL**
- CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - JOB BENCH MARK - CONFIRM WITH LRL PRIOR TO UTILIZATION.
 - ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE, CATCH BASIN OUTLETS AND/OR STORM DETENTION AREAS ARE PROVIDED.
 - STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS.
 - COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A CLEAN STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
 - CURBS TO BE BARRIER, CONSTRUCTED AS PER OPSD 600.110.
 - ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSD STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. CONSTRUCTION TO OPSD 206, 310 & 314. MATERIALS TO OPSD 1001, 1003 & 1010.
 - ABUTTING PROPERTY GRADE TO BE MATCHED.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
 - MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
 - FILTER FABRIC TO BE INSTALLED AND MAINTAINED BETWEEN THE FRAME AND COVER OF ALL CATCHBASINS, CATCHBASIN MANHOLES AND MANHOLES DURING THE CONSTRUCTION PERIOD TO MINIMIZE SEDIMENTS ENTERING THE STORM SEWER SYSTEM. ALL GRASSED AREAS MUST BE COMPLETED PRIOR TO THE REMOVAL OF THE FILTER FABRIC IN THE DRAINAGE STRUCTURES.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS, IF ANY, LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC.
 - AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY 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.
 - ALL SIDEWALK CONSTRUCTION TO BE AS PER OPSD 310.010 & OPSD 310.050.
- NOTES: SEWERS**
- SEWER BEDDING AS PER PIPE TRENCH DETAIL WITH GRANULAR 'A' BEDDING COMPACTED TO 95% OF ITS SPMD.
 - ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSD 407, AND 410.
 - CONTRACTOR TO CONFIRM ELEVATION OF EXISTING SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
 - ALL SEWERS WITH LESS THAN 2.0m OF COVER ARE SUBJECT TO INSULATION DETAIL.
- NOTES: WATER SERVICE**
- PROPOSED WATER SERVICE TO BE INSTALLED 2.4m FROM FINISHED GRADE TO TOP OF WATER SERVICE.

LEGEND:

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- AREA IN HECTARES

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SCALE: 1:200

SUBJECT TO APPROVAL

No.	REVISIONS	BY	DATE
05	RE-ISSUED FOR MUNICIPAL APPROVAL	A.S.	19 NOV 2021
04	ISSUED FOR MUNICIPAL APPROVAL	A.S.	29 OCT 2021
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NOT AUTHENTIC UNLESS SIGNED AND DATED

KEY PLAN

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

CLIENT: **MARK FARRELL**
533 Gilmour Street,
Ottawa ON K1R 5L3

DESIGNED BY: A.S. DRAWN BY: A.S. APPROVED BY: M.B.

PROJECT: **700 CORONATION AVENUE PROPOSED 4-STORY BUILDING ADDITION**

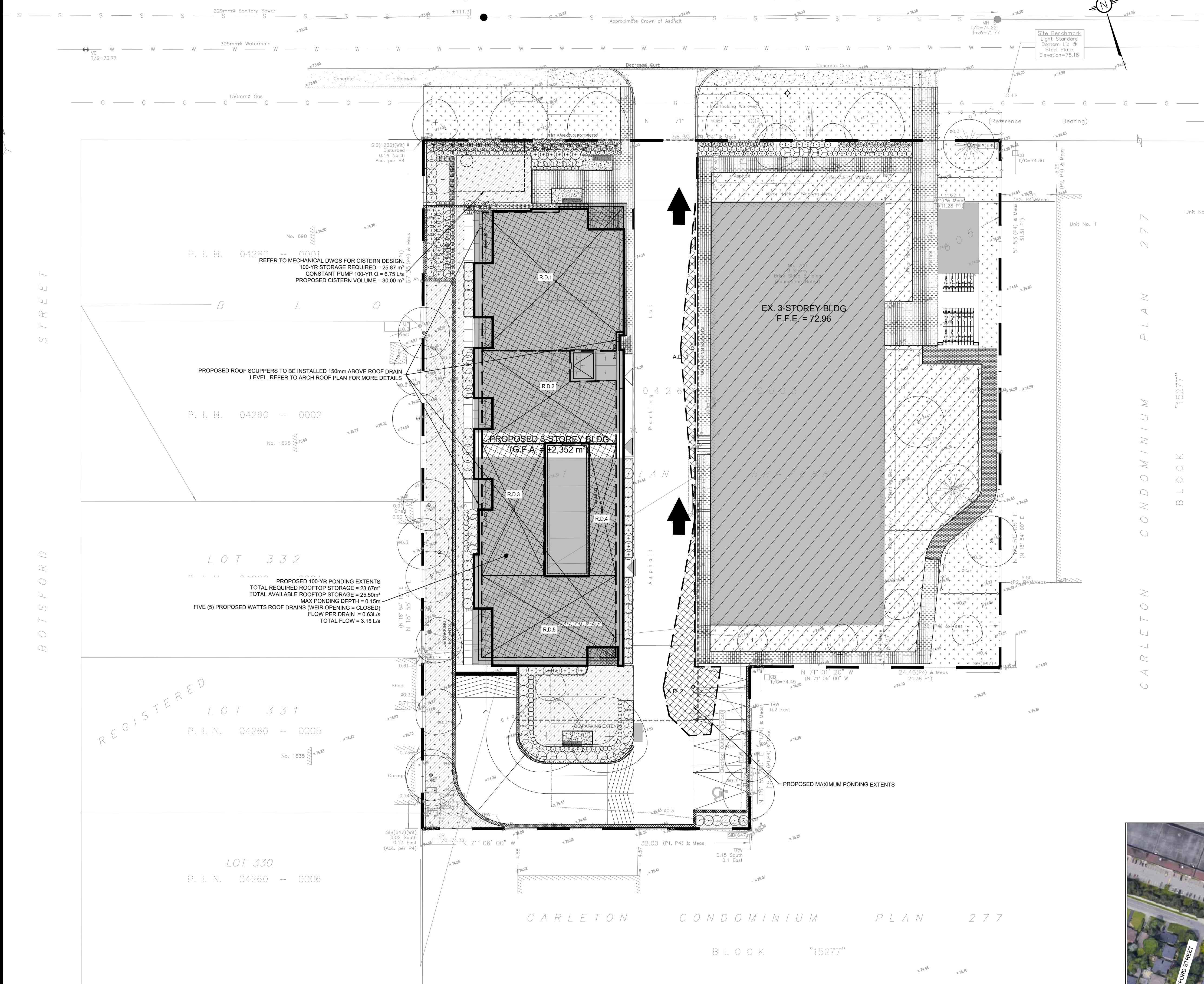
DRAWING TITLE: **SERVICING PLAN**

PROJECT NO: 200463
DATE: SEPTEMBER 2020

C401

CORONATION (REGISTERED PLAN 605) STREET

P. I. N. 04258 -- 04258



LEGEND:

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SCALE: 1:200

SUBJECT TO APPROVAL

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01	ISSUED FOR MUNICIPAL APPROVAL	A.S.	02 OCT 2020



NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT: **MARK FARRELL**
533 Gilmour Street,
Ottawa ON K1R 5L3

DESIGNED BY: A.S. DRAWN BY: A.S. APPROVED BY: M.B.

PROJECT: **700 CORONATION AVENUE
PROPOSED 4-STOREY BUILDING ADDITION**

DRAWING TITLE: **STORMWATER MANAGEMENT PLAN**

PROJECT NO.: 200463
DATE: SEPTEMBER 2020

C601



KEY PLAN
N.T.S.

REGISTERED LOT 331
P. I. N. 04260 -- 0005

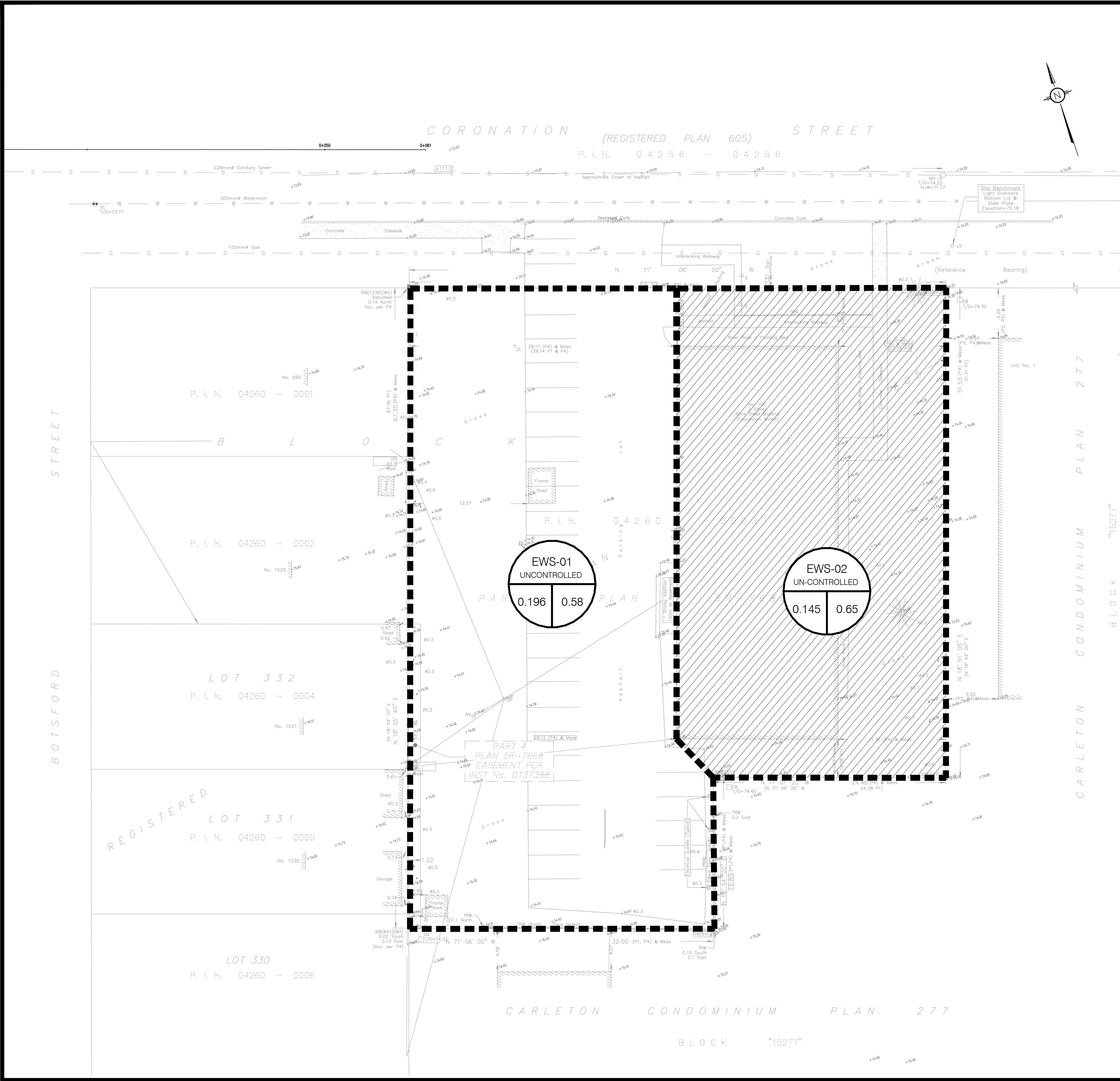
REGISTERED LOT 330
P. I. N. 04260 -- 0006

REGISTERED LOT 332
P. I. N. 04260 -- 0002

REFER TO MECHANICAL DWGS FOR CISTERN DESIGN
100-YR STORAGE REQUIRED = 25.87 m³
CONSTANT PUMP 100-YR Q = 6.75 L/s
PROPOSED CISTERN VOLUME = 30.00 m³

PROPOSED 100-YR PONDING EXTENTS
TOTAL REQUIRED ROOFTOP STORAGE = 23.67 m³
TOTAL AVAILABLE ROOFTOP STORAGE = 25.50 m³
MAX PONDING DEPTH = 0.15m
FIVE (5) PROPOSED WATTS ROOF DRAINS (WEIR OPENING = CLOSED)
FLOW PER DRAIN = 0.63L/s
TOTAL FLOW = 3.15 L/s

PROPOSED ROOF SCUPPERS TO BE INSTALLED 150mm ABOVE ROOF DRAIN LEVEL. REFER TO ARCH ROOF PLAN FOR MORE DETAILS



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED CURB
- PROPOSED DEPRESSED CURB AS PER CITY STD SC1.1
- PROPOSED TERRACING (3:1 MIN.)
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- PROPOSED FENCE
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- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED RIP RAP
- PROPOSED ELEVATION
- PROPOSED HIGH POINT ELEVATION
- PROPOSED SWALE ELEVATION
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- PROPOSED TOP OF CURB ELEVATION
- MATCH INTO EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- PROPOSED 100mmØ PERFORATED SUBDRAIN
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING GAS LINE
- EXISTING MANHOLE
- EXISTING CATCHBASIN
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- PROPOSED MANHOLE
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- AREA IN HECTARES

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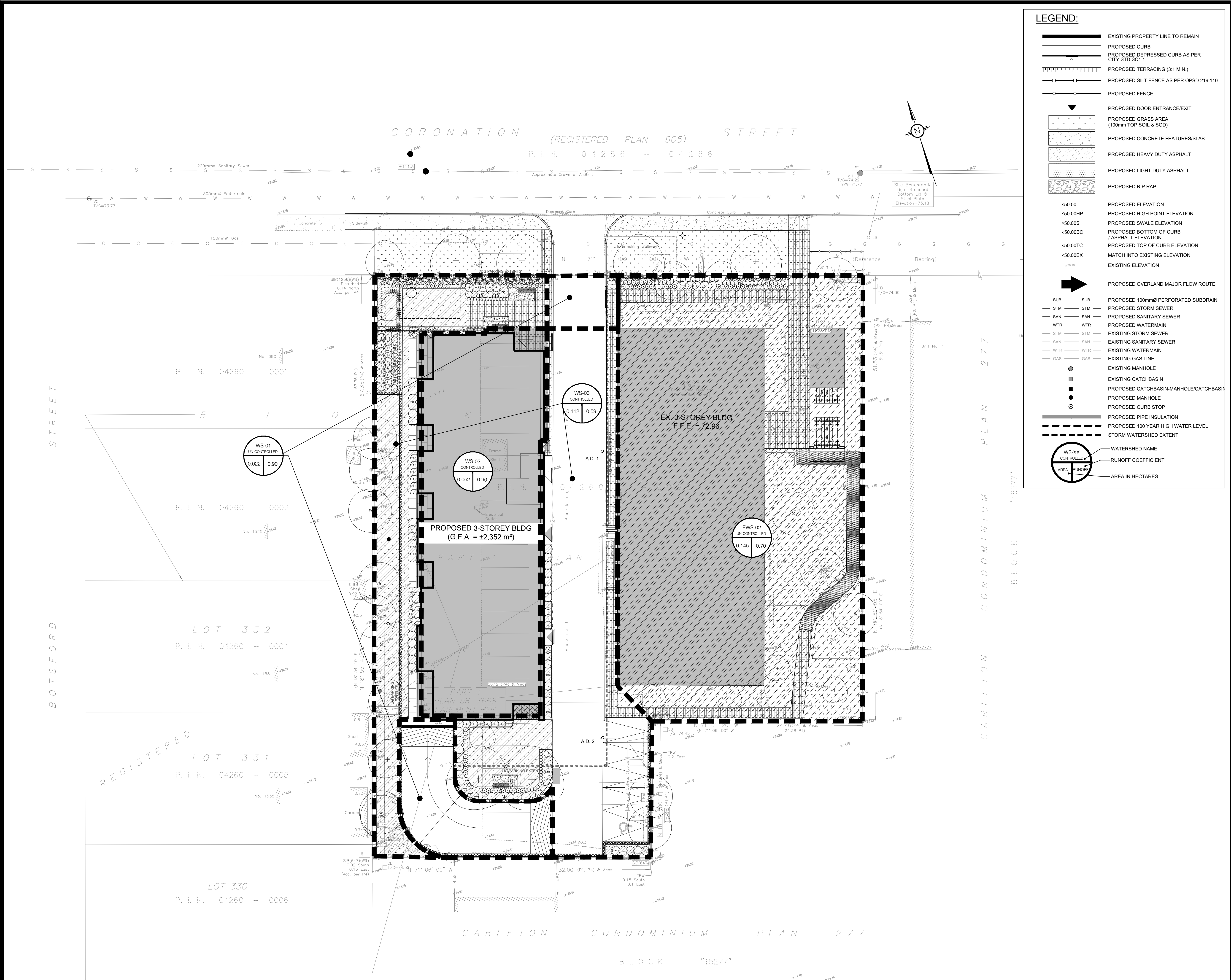
PROJECT: **700 CORONATION AVENUE
PROPOSED 4-STORY BUILDING ADDITION**

DRAWING TITLE: **PRE-DEVELOPMENT
WATERSHED PLAN**

PROJECT NO: 200463 DATE: SEPTEMBER 2020

C701

#18322



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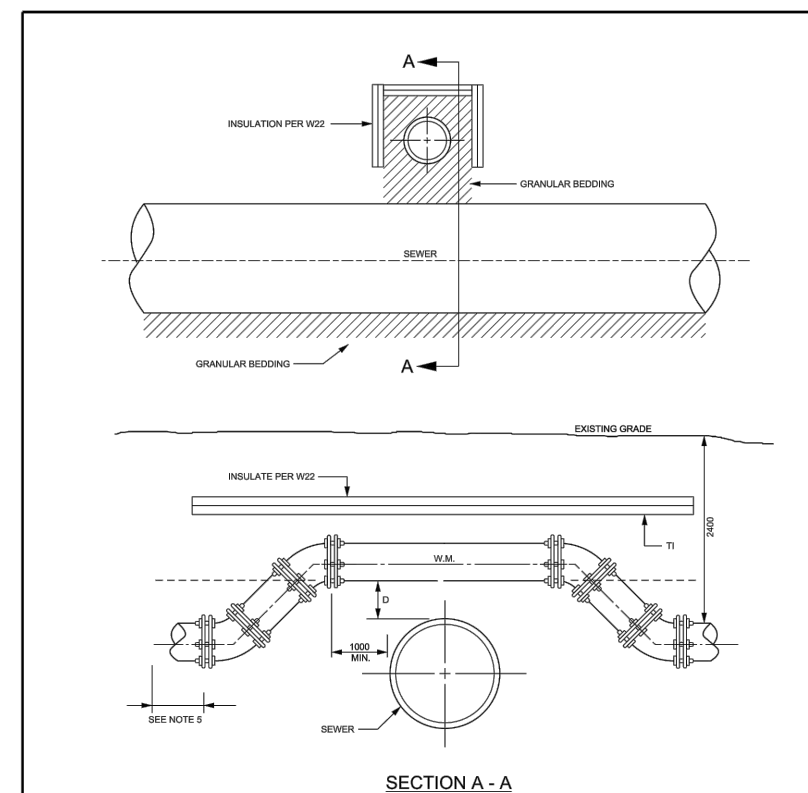
PROJECT: **700 CORONATION AVENUE
PROPOSED 4-STORY BUILDING ADDITION**

DRAWING TITLE: **POST-DEVELOPMENT
WATERSHED PLAN**

PROJECT NO: **200463** DATE: **SEPTEMBER 2020**

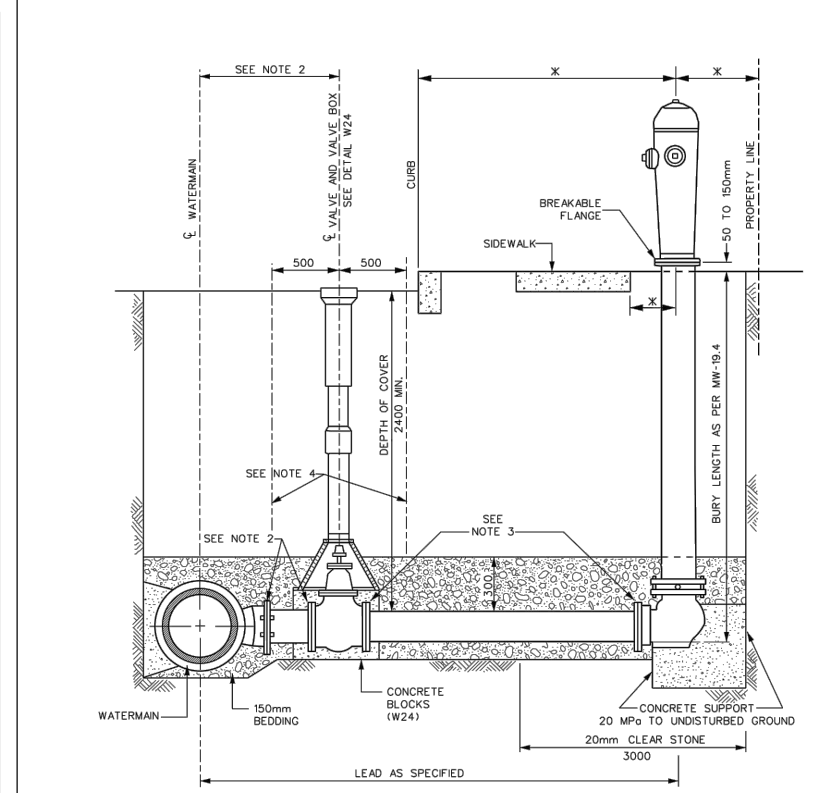
C702

#18322



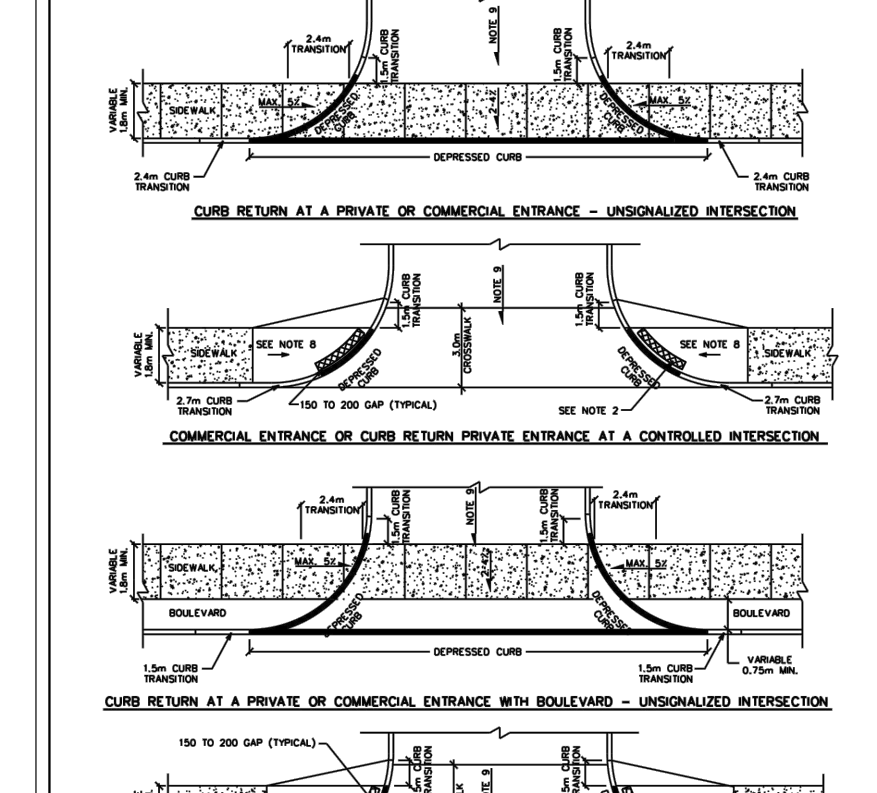
WATERMAIN CROSSING OVER SEWER

DATE: MAY 2001
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



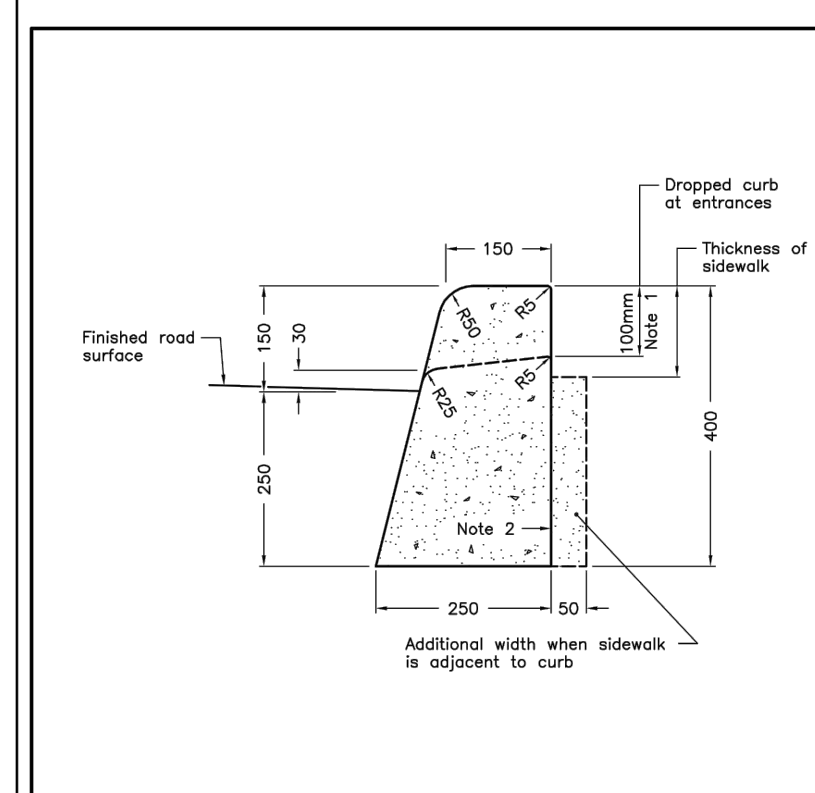
HYDRANT INSTALLATION

DATE: MAY 2001
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



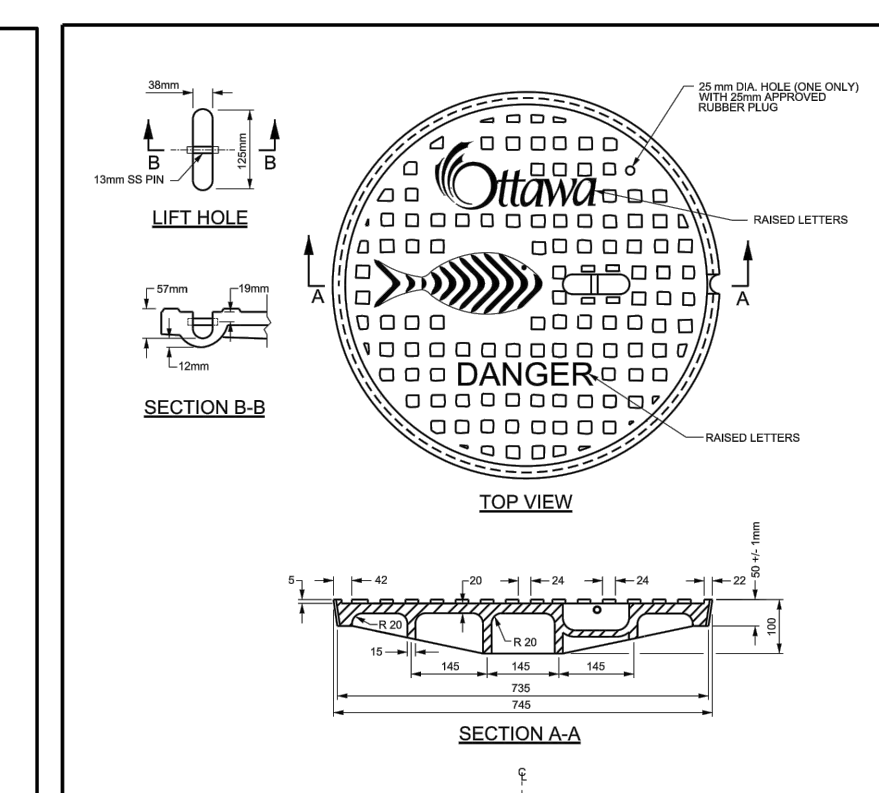
CURB RETURN ENTRANCES

DATE: MAY 2007
 DESIGNED BY: SC7.1
 DRAWN BY: SC7.1



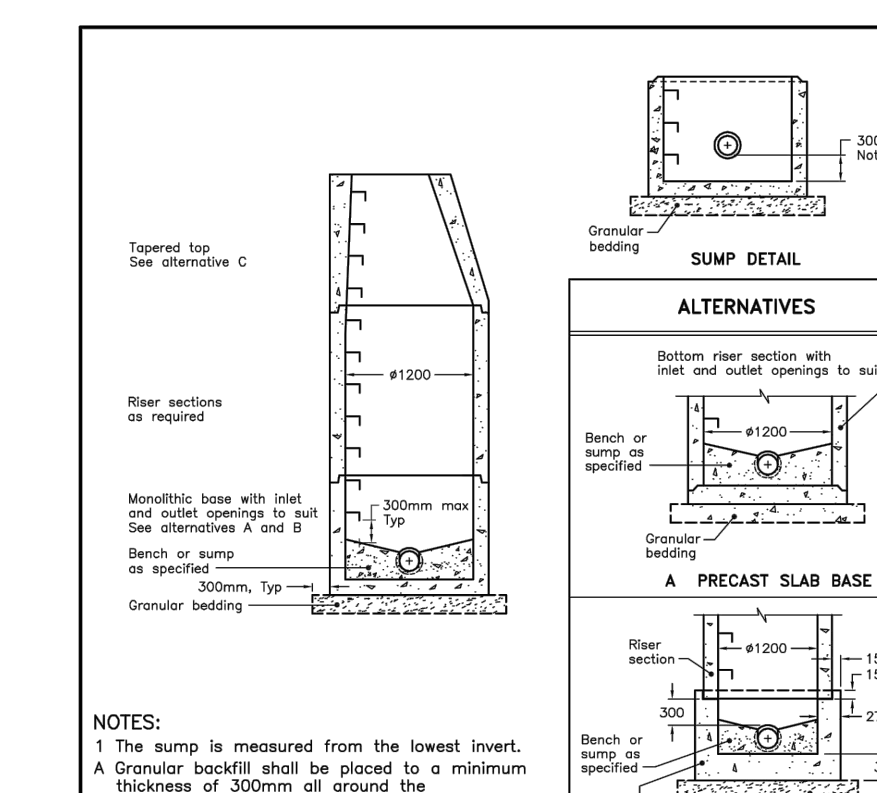
CONCRETE BARRIER CURB

ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2012 Rev 2
 OPSD 600.110



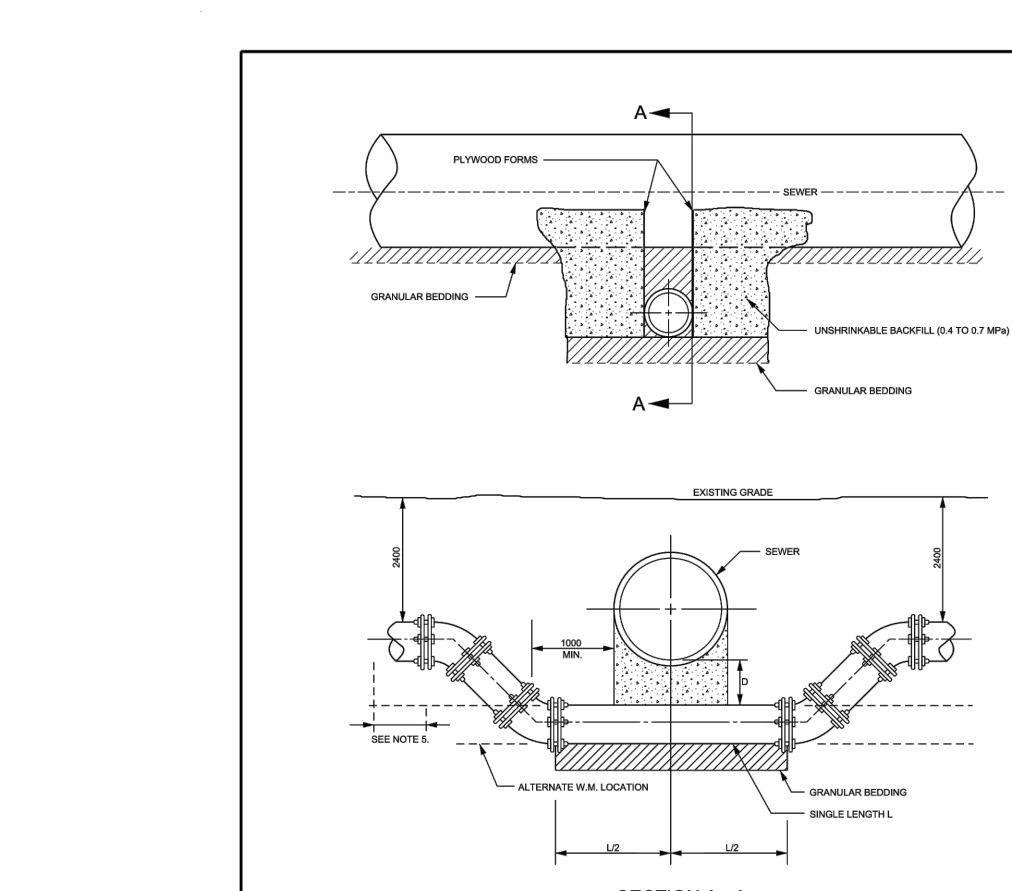
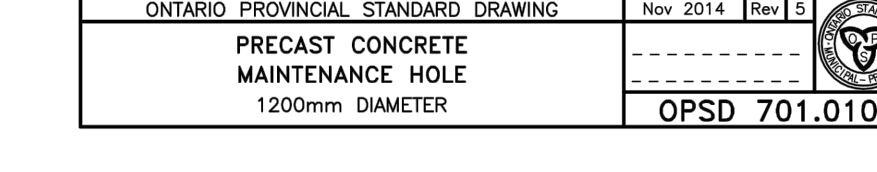
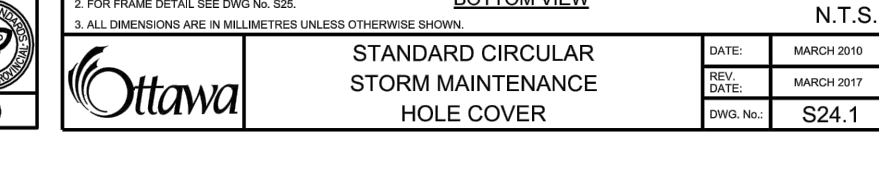
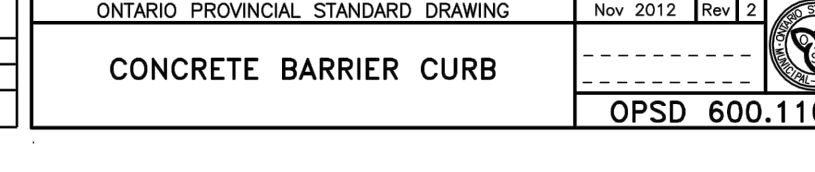
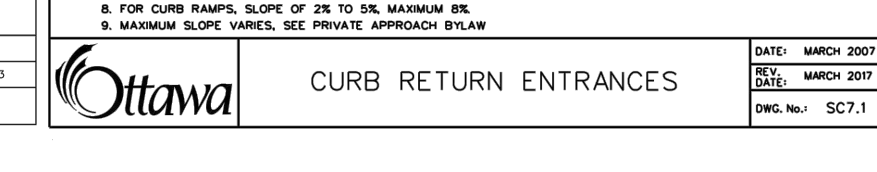
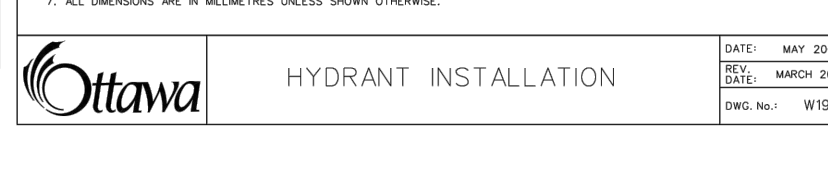
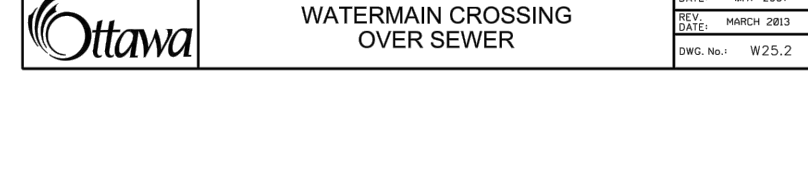
STANDARD CIRCULAR STORM MAINTENANCE HOLE COVER

DATE: MARCH 2010
 DESIGNED BY: S24.1
 DRAWN BY: S24.1



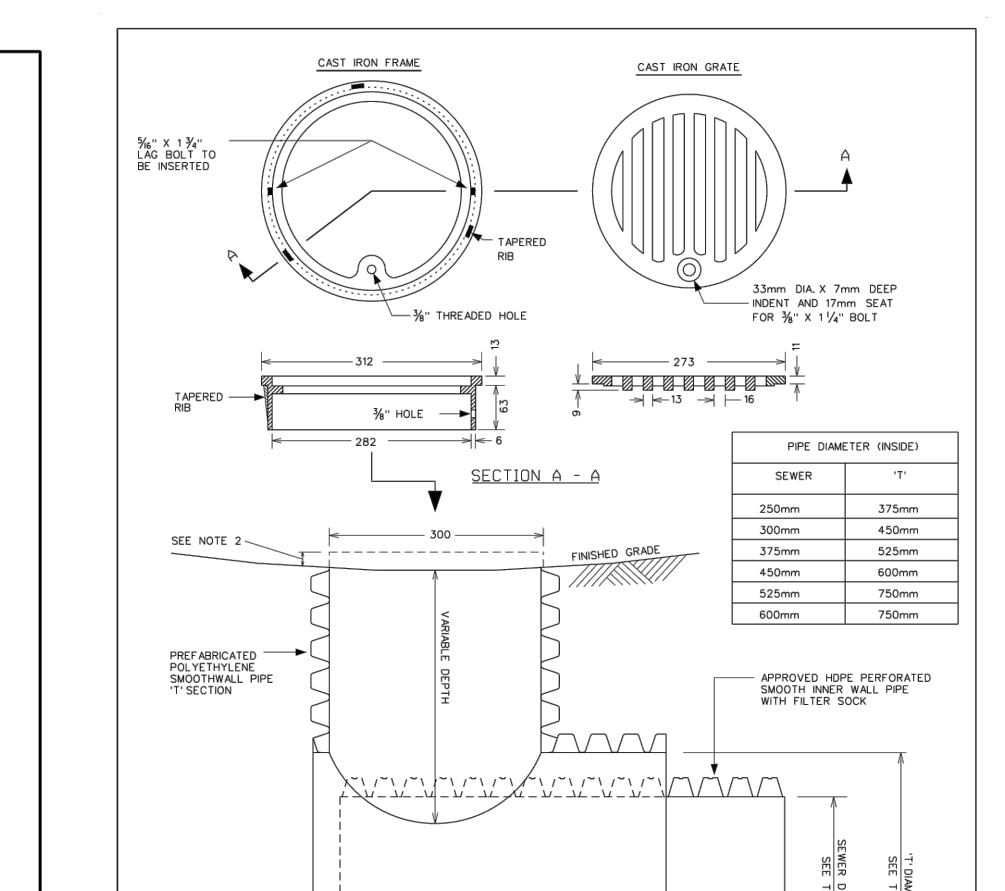
PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER

ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2014 Rev 1
 OPSD 701.010



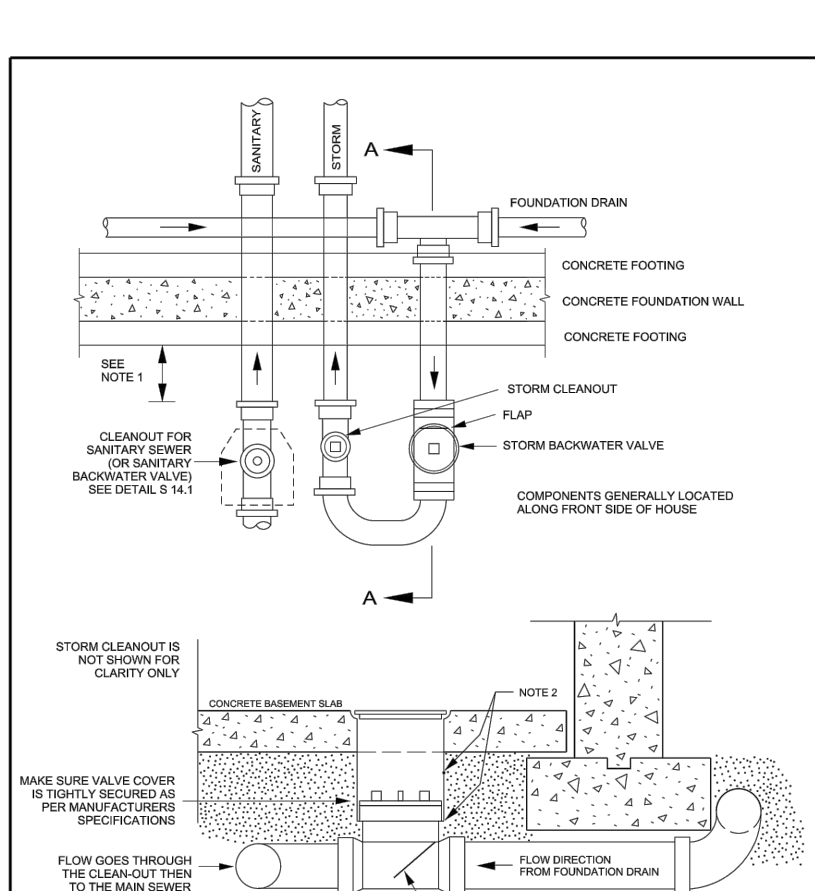
WATERMAIN CROSSING BELOW SEWER

DATE: MAY 2001
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



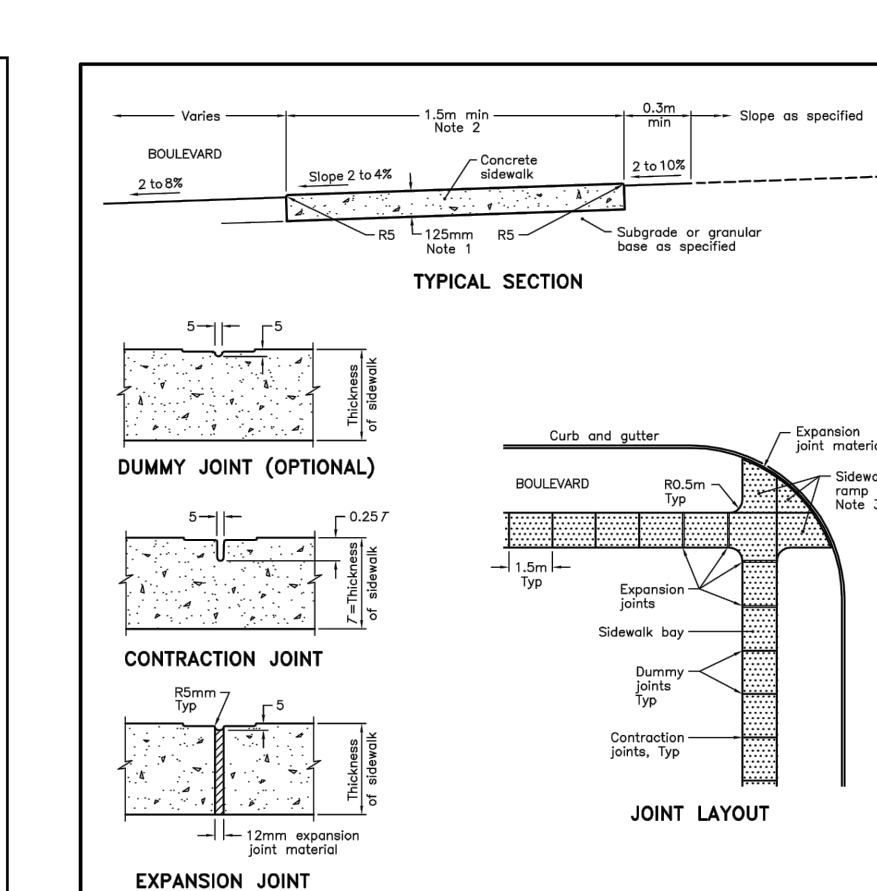
CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS

DATE: MARCH 2007
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



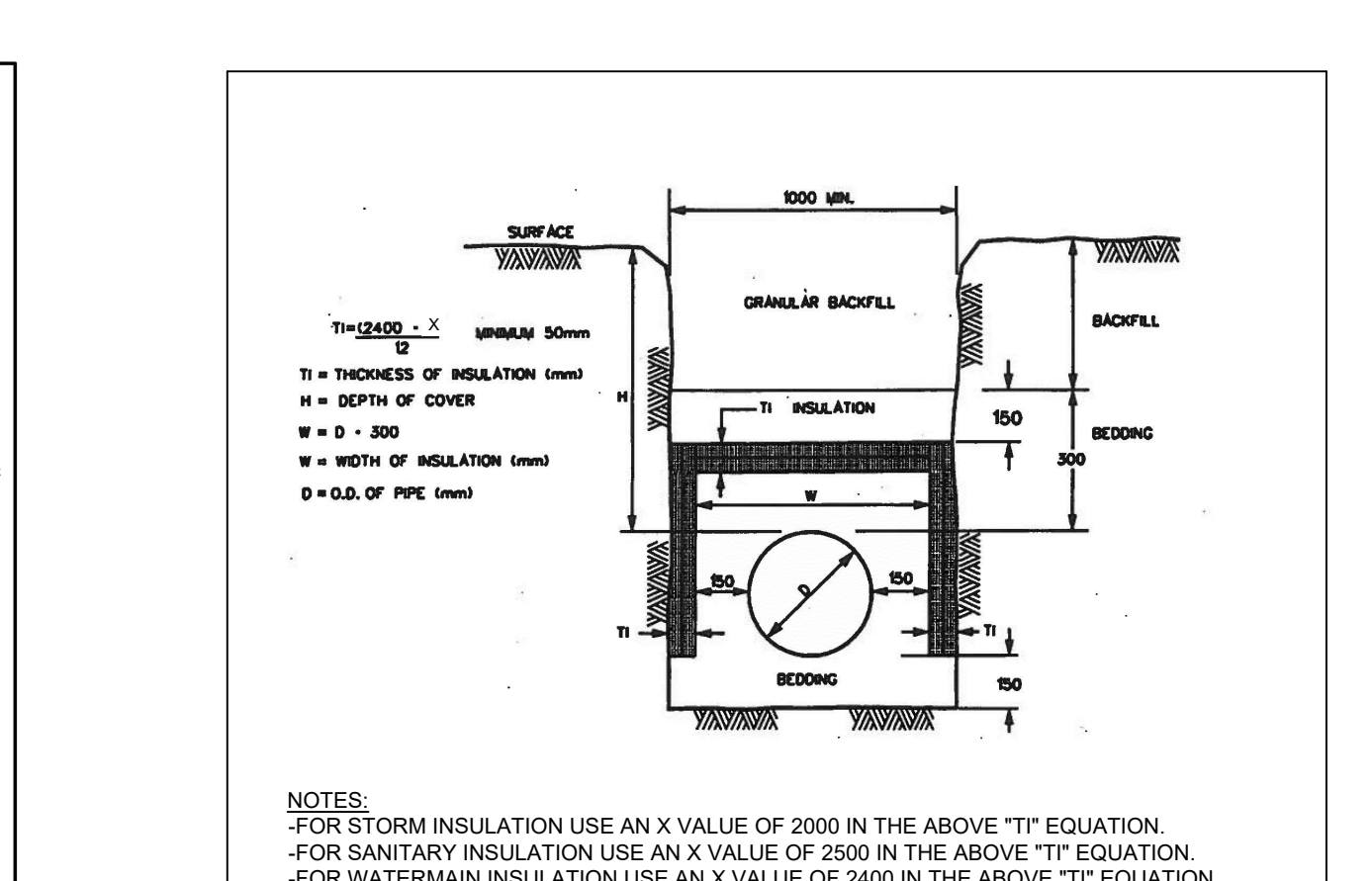
FOUNDATION DRAIN BACKWATER VALVE INSTALLATION

DATE: MARCH 2007
 DESIGNED BY: S34
 DRAWN BY: S34



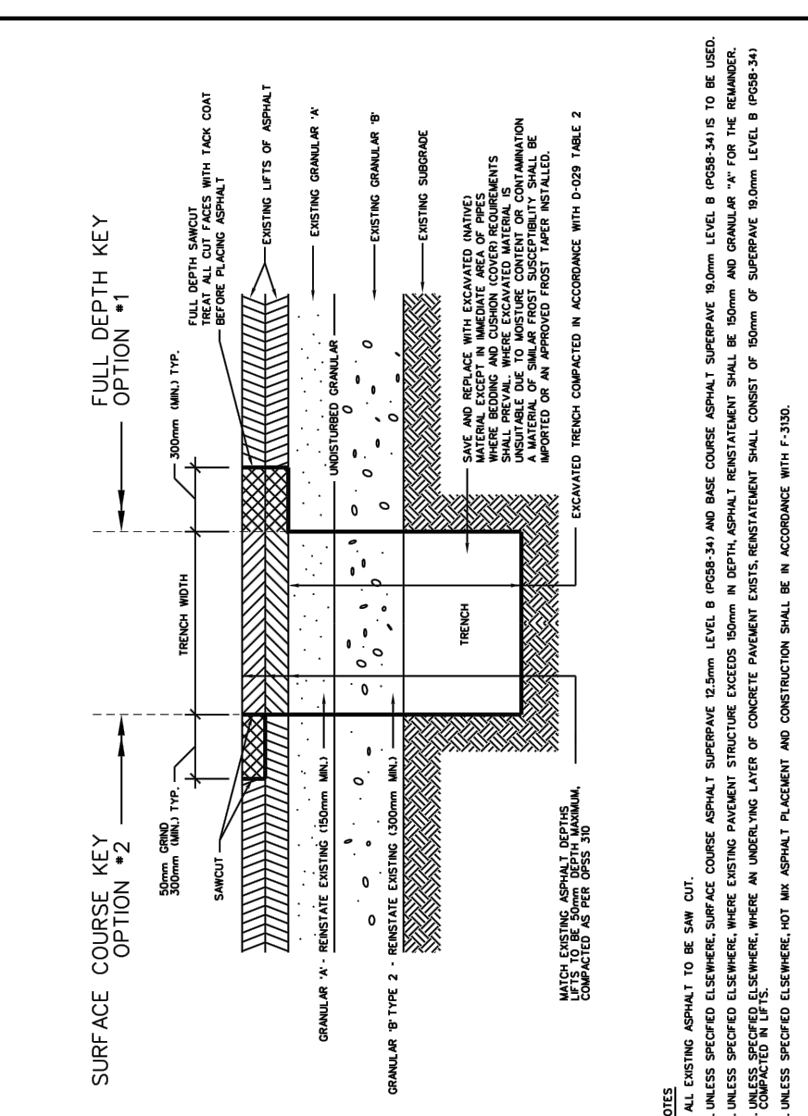
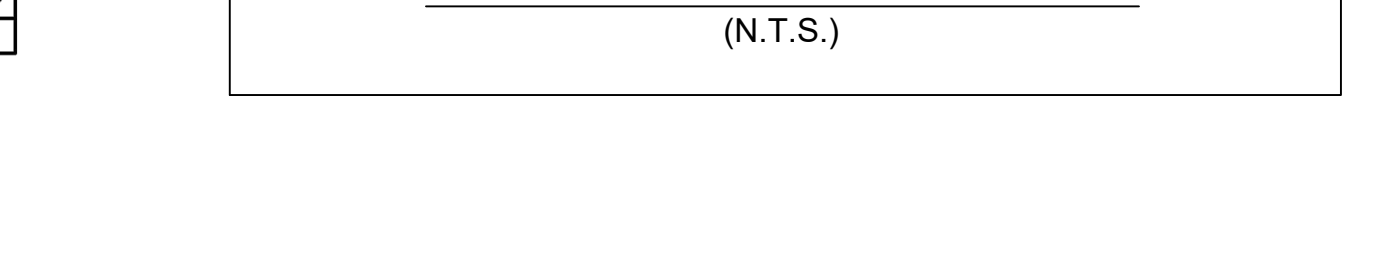
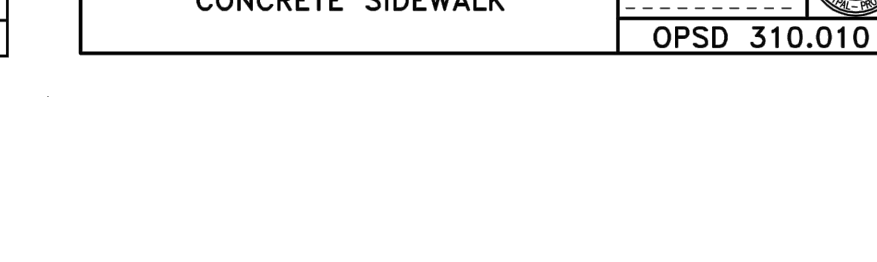
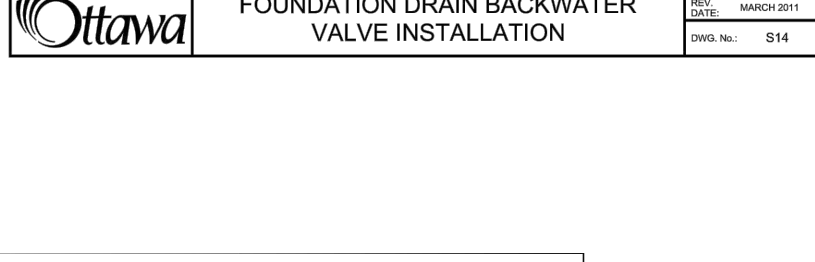
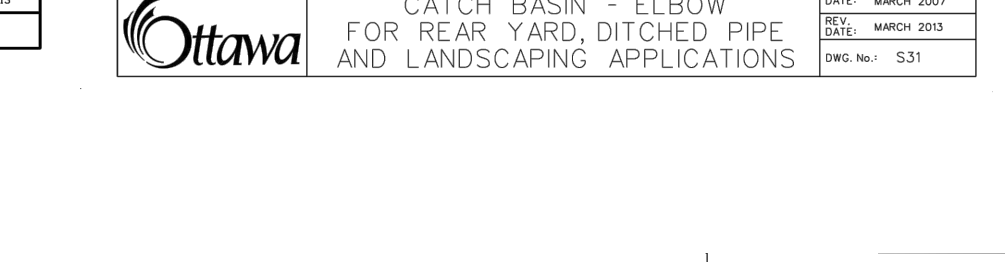
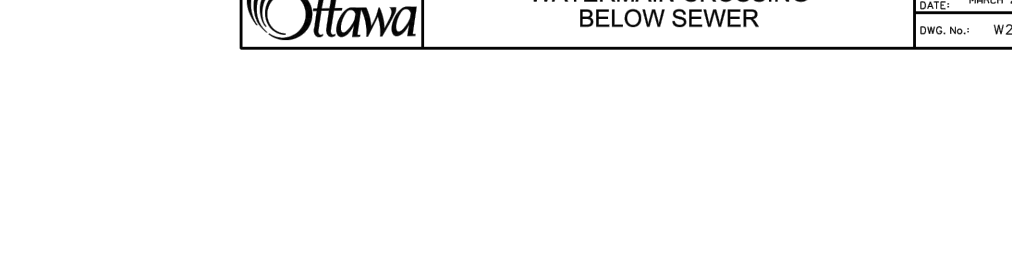
CONCRETE SIDEWALK

ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2015 Rev 2
 OPSD 310.010



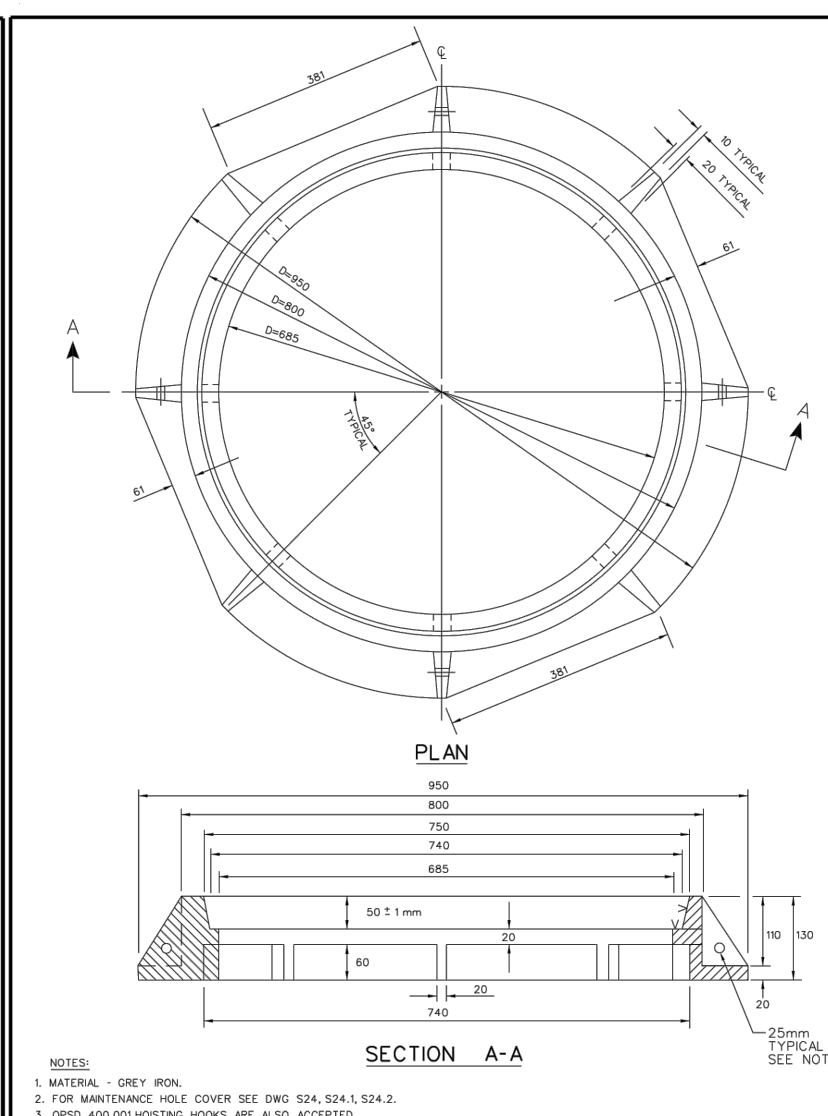
TYPICAL STORM AND SANITARY SEWER AND WATERMAIN INSULATION DETAIL (N.T.S.)

DATE: MARCH 2010
 DESIGNED BY: S24.1
 DRAWN BY: S24.1



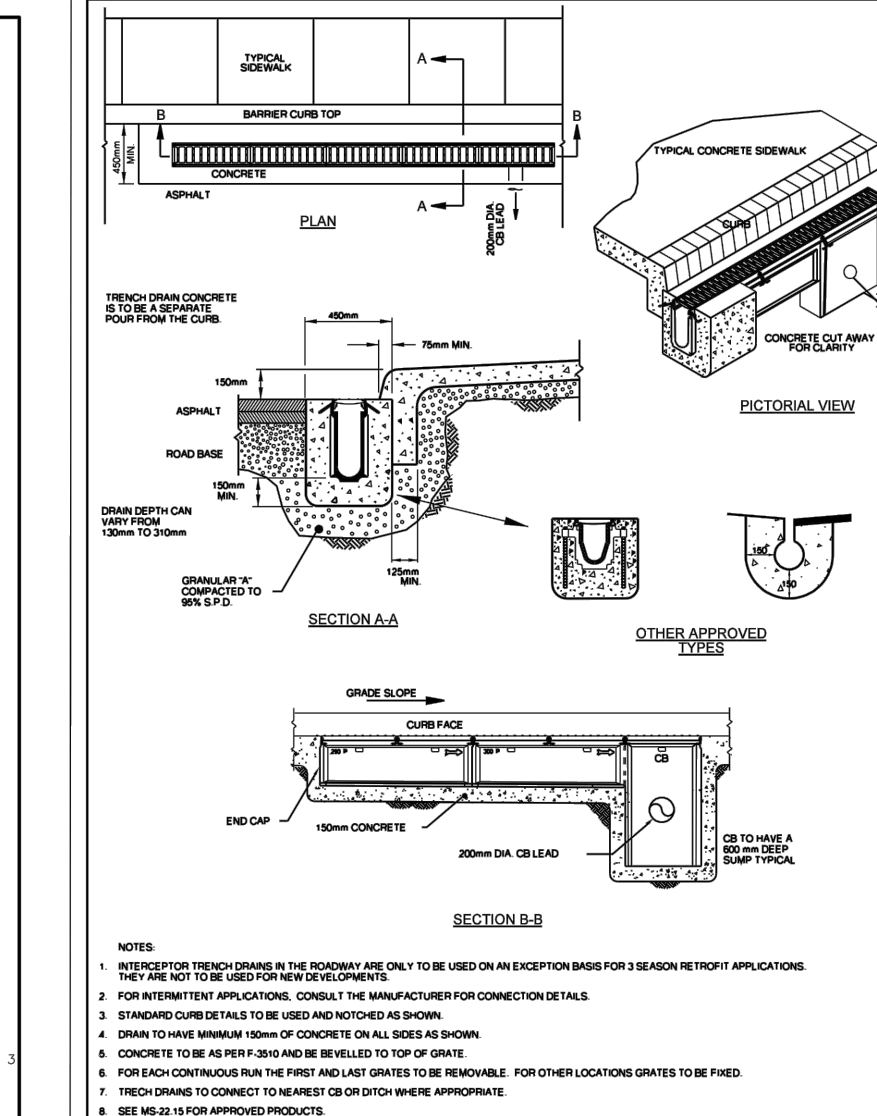
STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

DATE: MAY 2001
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



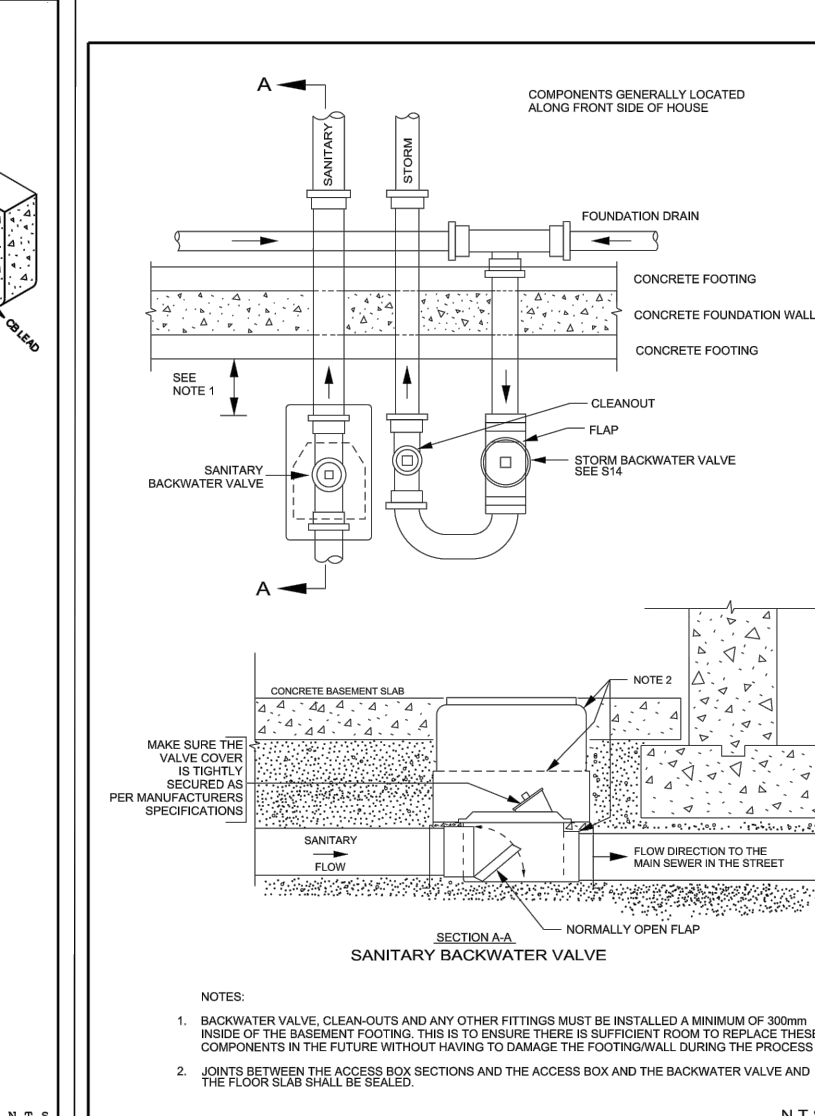
STANDARD CIRCULAR FRAME FOR MAINTENANCE HOLES (MODIFIED OPSD-401020)

DATE: MARCH 2008
 DESIGNED BY: W25.1
 DRAWN BY: W25.2



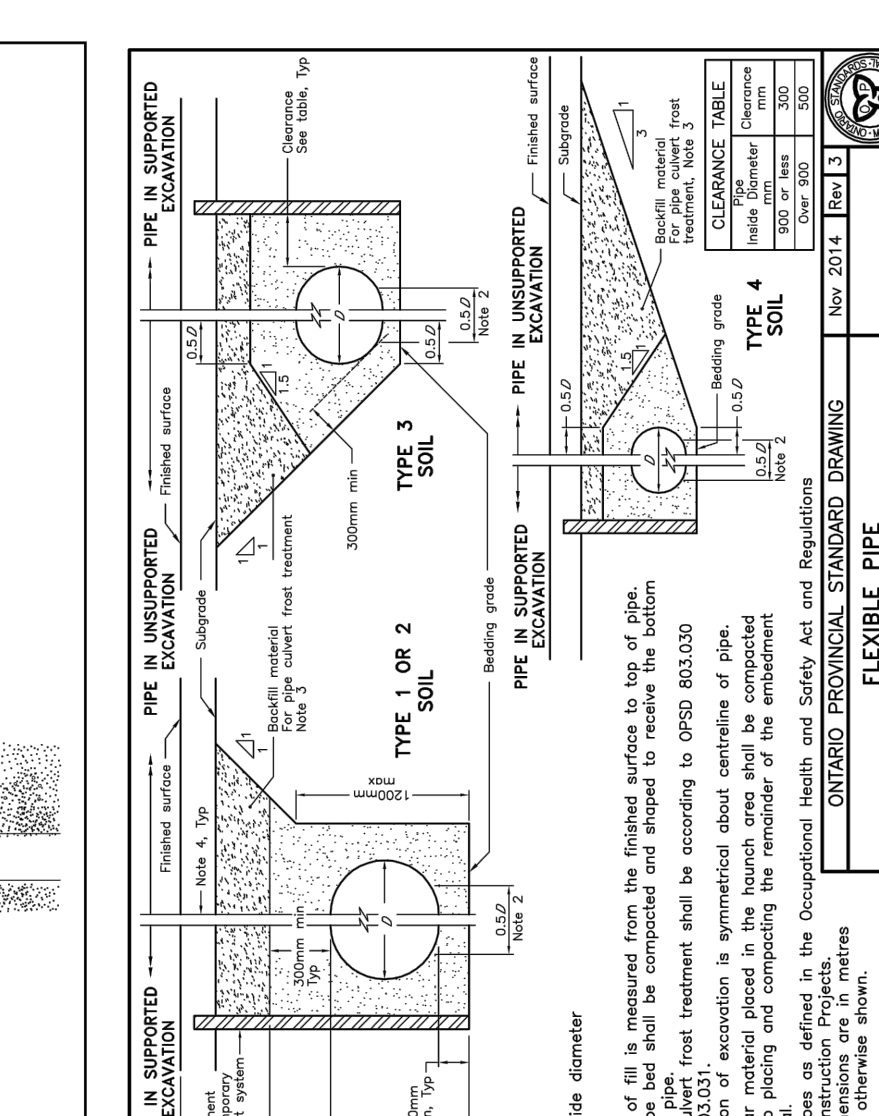
TRENCH DRAINS (EXCEPTION BASIS ONLY)

DATE: MAY 2007
 DESIGNED BY: S34
 DRAWN BY: S34



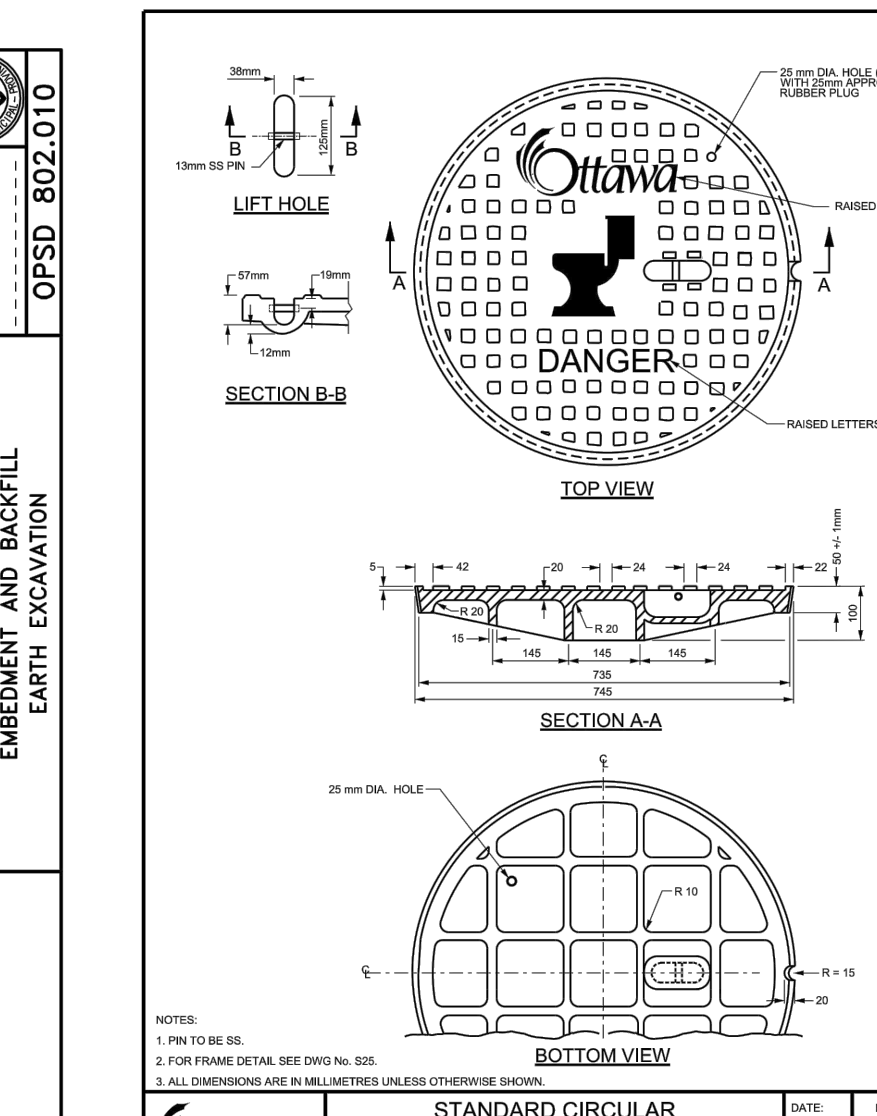
SANITARY BACKWATER VALVE INSTALLATION TYPE 1

DATE: MARCH 2010
 DESIGNED BY: S24.1
 DRAWN BY: S24.1



FLEXIBLE PIPE EMBEDMENT AND BACKFILL EARTH EXCAVATION

ONTARIO PROVINCIAL STANDARD DRAWING
 Nov 2014 Rev 1
 OPSD 802.010



STANDARD CIRCULAR SANITARY & COMBINED MAINTENANCE HOLE COVER

DATE: MARCH 2010
 DESIGNED BY: S24.1
 DRAWN BY: S24.1

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. THE CONTRACT DOCUMENTS INCLUDE BUT NOT LIMITED TO THE DRAWINGS, THE 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 REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAIL 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 REVIEWED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE CONTRACT DOCUMENTS.

AS INSTRUMENTS OF SERVICE ALL DRAWINGS, SPECIFICATIONS, CAD FILES OR OTHER ELECTRONIC MEDIA AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.

UNLESS THE REVISION TITLE IS ISSUED FOR CONSTRUCTION, THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATE THE WORK TO BE DONE. THE ENGINEER IS NOT 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 IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN 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 LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

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

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 SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.

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 ENGINEER'S GUIDANCE 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.

05	RE-ISSUED FOR MUNICIPAL APPROVAL	A.S.	19 NOV 2021
04	ISSUED FOR MUNICIPAL APPROVAL	A.S.	29 OCT 2021
03	ISSUED FOR MUNICIPAL APPROVAL	A.S.	13 NOV 2020
02	ISSUED FOR MUNICIPAL APPROVAL	A.S.	30 OCT 2020
01	ISSUED FOR MUNICIPAL APPROVAL	A.S.	02 OCT 2020
No.	REVISIONS	BY	DATE

SUBJECT TO APPROVAL

NOT AUTHENTIC UNLESS SIGNED AND DATED

LRL
 ENGINEERING | INGENIERIE
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CLIENT: **MARK FARRELL**
 533 Gilmour Street,
 Ottawa ON K1R 5L3

DESIGNED BY: A.S. DRAWN BY: A.S. APPROVED BY: M.B.

PROJECT: **700 CORONATION AVENUE PROPOSED 4-STORY BUILDING ADDITION**

DRAWING TITLE: **CONSTRUCTION DETAIL PLAN**

PROJECT NO: 200463
 DATE: SEPTEMBER 2020