

EROSION AND SEDIMENT CONTROL MEASURES:

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

*****THE SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY*****

1. PRIOR TO START OF CONSTRUCTION:

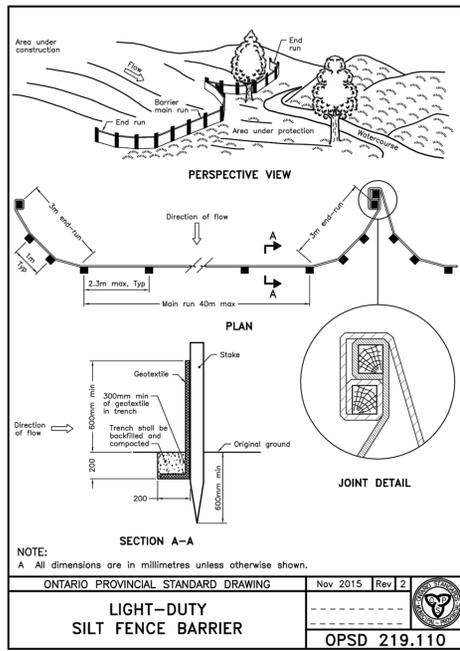
- PRIOR TO THE REMOVAL OF ANY VEGETATIVE COVER, MOVING OF SOIL AND CONSTRUCTION:
- INSTALL SILT FENCE IMMEDIATELY DOWNSTREAM FROM AREAS TO BE DISTURBED (SEE PLAN FOR LOCATION).
- INSTALL GEOSOCK INSERTS WITH AN OVERFLOW IN ALL THE DOWNSTREAM CATCHBASINS AND MANHOLES
- INSTALL SILT TRAP FILTERS IN ALL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

2. DURING CONSTRUCTION:

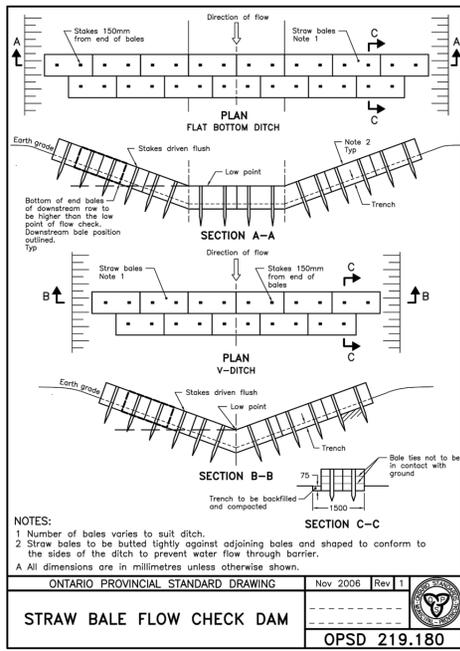
- WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS TO BE CARRIED OUT FROM JULY TO SEPTEMBER ONLY.
- MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE.
- PROTECT DISTURBED AREAS FROM RUNOFF.
- PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED 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 SEEDED 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 STRUCTURES 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 CRUSHER-RUN 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:

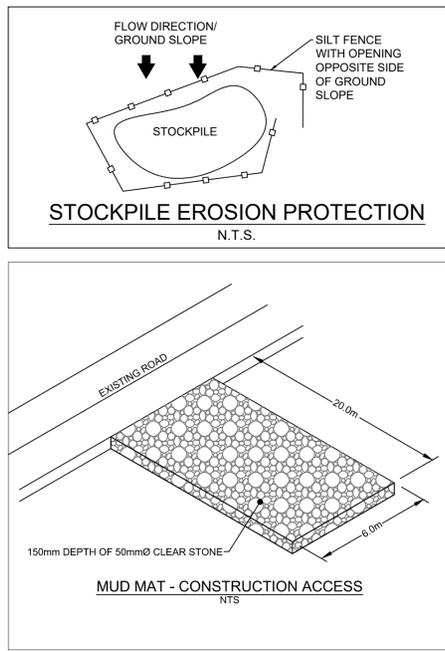
- PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
- REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANHOLE COVERS AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED.
- INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.



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



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2006 Rev 1
STRAW BALE FLOW CHECK DAM
 OPSD 219.180



STOCKPILE EROSION PROTECTION
 N.T.S.
MUD MAT - CONSTRUCTION ACCESS
 N.T.S.

LEGEND:

	EXISTING PROPERTY LINE
	PROPOSED CURB
	PROPOSED DEPRESSED CURB
	PROPOSED TERRACING (3:1 MAX.)
	PROPOSED SILT FENCE AS PER OPSD 219.110
	PROPOSED STRAW BALE CHECK DAM AS PER OPSD 219.180
	PROPOSED DOOR ENTRANCE/EXIT
	PROPOSED LANDSCAPED AREA
	PROPOSED CONCRETE FEATURES/SLAB
	PROPOSED HEAVY-DUTY ASPHALT
	PROPOSED LIGHT-DUTY ASPHALT
	PROPOSED RIP RAP
	PROPOSED ELEVATION
	PROPOSED HIGH POINT ELEVATION
	PROPOSED SLOPE ELEVATION
	PROPOSED BOTTOM OF CURB 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 MANHOLE
	EXISTING CATCHBASIN
	PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
	PROPOSED S3C300
	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 SCOPE AND INTENT OF THE DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA AND THE PROVINCE OF ONTARIO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA AND THE PROVINCE OF ONTARIO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA AND THE PROVINCE OF ONTARIO.

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 OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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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 LRI ASSOCIATES LTD. (LRI) WITHOUT OBTAINING LRI'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. FURTHERMORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRI AND TO RELEASE LRI FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

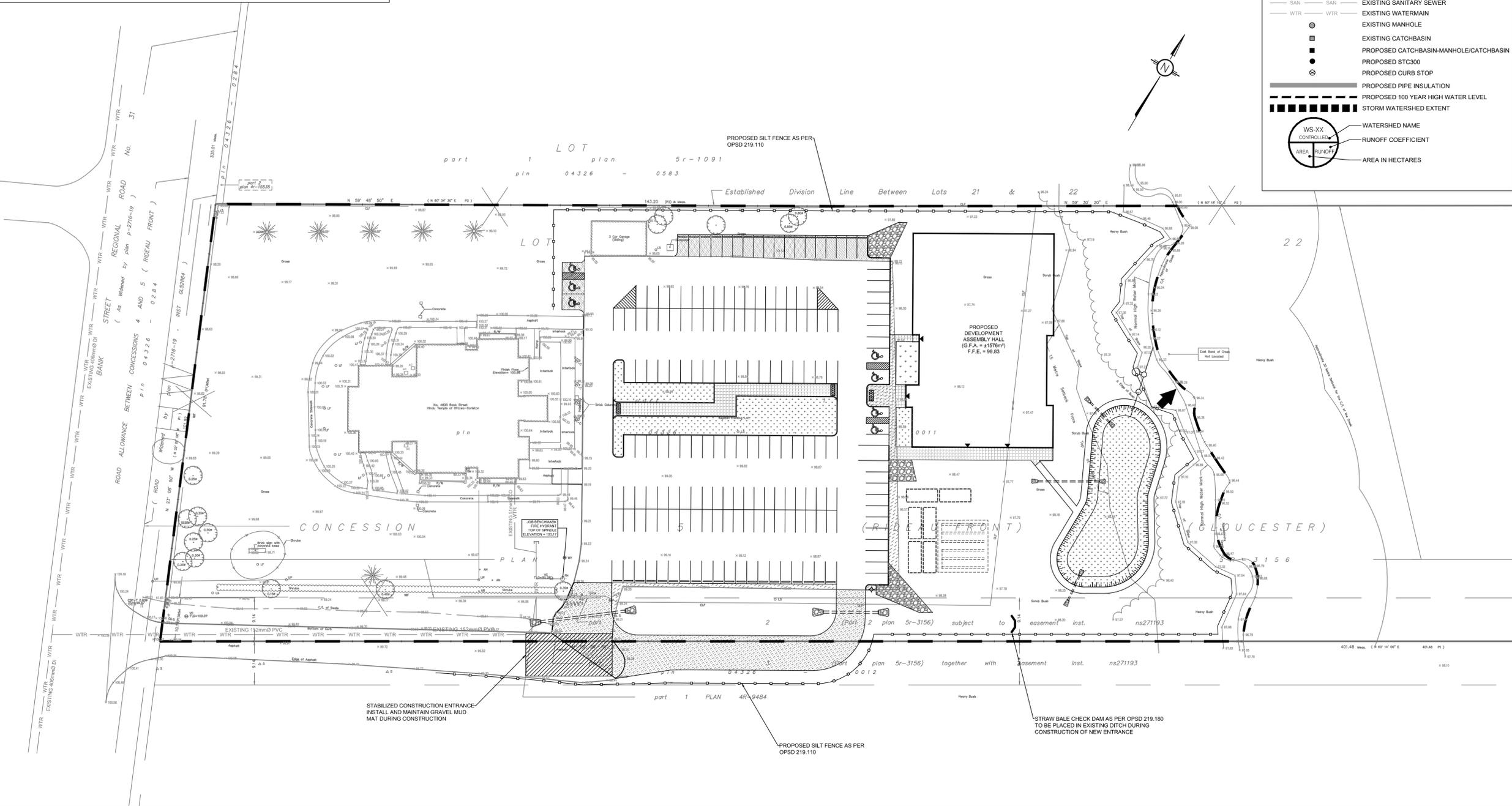
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GENERAL NOTES:

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.

SCALE: 1:500



01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020
No.	REVISIONS	BY	DATE

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

CLIENT: **THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON**

DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: **PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA**

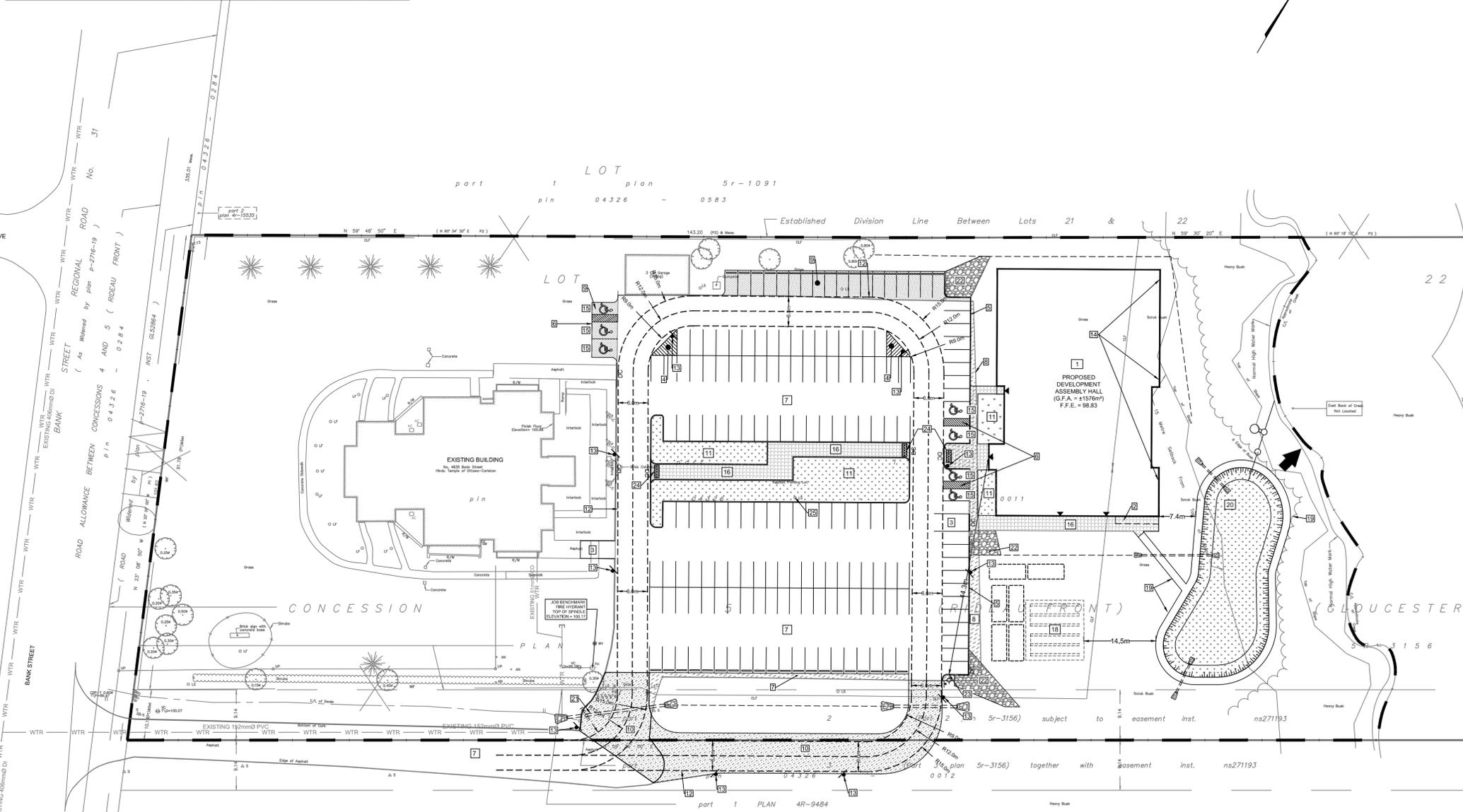
DRAWING TITLE: **EROSION AND SEDIMENT CONTROL PLAN**

PROJECT NO: 170132
 DATE: JAN2020

C101



KEY PLAN
N.T.S.



LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MAX.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED STRAW BALE CHECK DAM AS PER OPSD 219.180
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- PROPOSED LANDSCAPED AREA
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED LIGHT-DUTY ASPHALT
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- PROPOSED ELEVATION
- PROPOSED HIGH POINT ELEVATION
- PROPOSED BOTTOM OF CURB ELEVATION
- 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
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- EXISTING MANHOLE
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- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED STC300
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- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

SITE PLAN NOTES:

1. PROPOSED DEVELOPMENT
2. PROPOSED GARBAGE / WASTE CONTAINERS LOCATION
3. PROPOSED NO PARKING AREA FOR GARBAGE & LOADING AREA (WITH NO PARKING SIGNS/PAVEMENT MARKINGS)
4. PROPOSED PAVEMENT MARKINGS FOR FIRE ROUTE
5. PROPOSED CONCRETE BARRIER CURB AS PER OPSD 800.110
6. PROPOSED ACCESSIBLE SPACES C/W LINE PAINTING
7. EXISTING ASPHALT TO REMAIN
8. EXISTING ASPHALT PARKING LOT TO BE REMOVED & REPLACED WITH 100mm TOPSOIL & SOD
9. PROPOSED LIGHT DUTY PAVEMENT STRUCTURE
10. PROPOSED HEAVY TRAFFIC PAVEMENT STRUCTURE
11. PROPOSED LANDSCAPING (AS PER LANDSCAPING PLAN)
12. PROPOSED FIRE ROUTE
13. PROPOSED FIRE ROUTE SIGNAGE
14. PROPOSED ROOF DRAINAGE DOWNSPOUT LOCATION
15. 30 x 45 cm "DISABLED PARKING PERMIT" SIGN (Rb-93) AS PER MTO BOOK 5 AND AS PER SECTION 11 OF THE ONTARIO REGULATION 551/90. SIGN TO BE MOUNTED ON BUILDING WALL OR POST
16. PROPOSED CONCRETE FEATURES & WALKWAYS
17. PROPOSED PRECAST CONCRETE BUMPER CURBS
18. PROPOSED SEPTIC BED AREA
19. PROPOSED GRAVEL PATHWAY
20. PROPOSED STORMWATER DETENTION AREA
21. EXISTING CULVERT TO BE REMOVED AND REPLACED
22. PROPOSED RIP-RAP FOR DEPRESSED CURBS/OUTLETS
23. PROPOSED FIRE HYDRANT
24. PROPOSED TACTILE WALKING SURFACE INDICATOR AS PER CITY OF OTTAWA ACCESSIBILITY DESIGN STANDARDS SECTIONS 2.7 & 3.4.6.
25. EXISTING LIGHT STANDARD TO REMAIN

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No.	REVISIONS	BY	DATE
01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020



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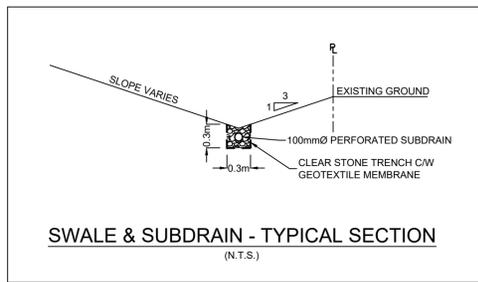
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: **PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA**

DRAWING TITLE: **SITE DEVELOPMENT PLAN**

PROJECT NO: 170132
DATE: JAN 2020





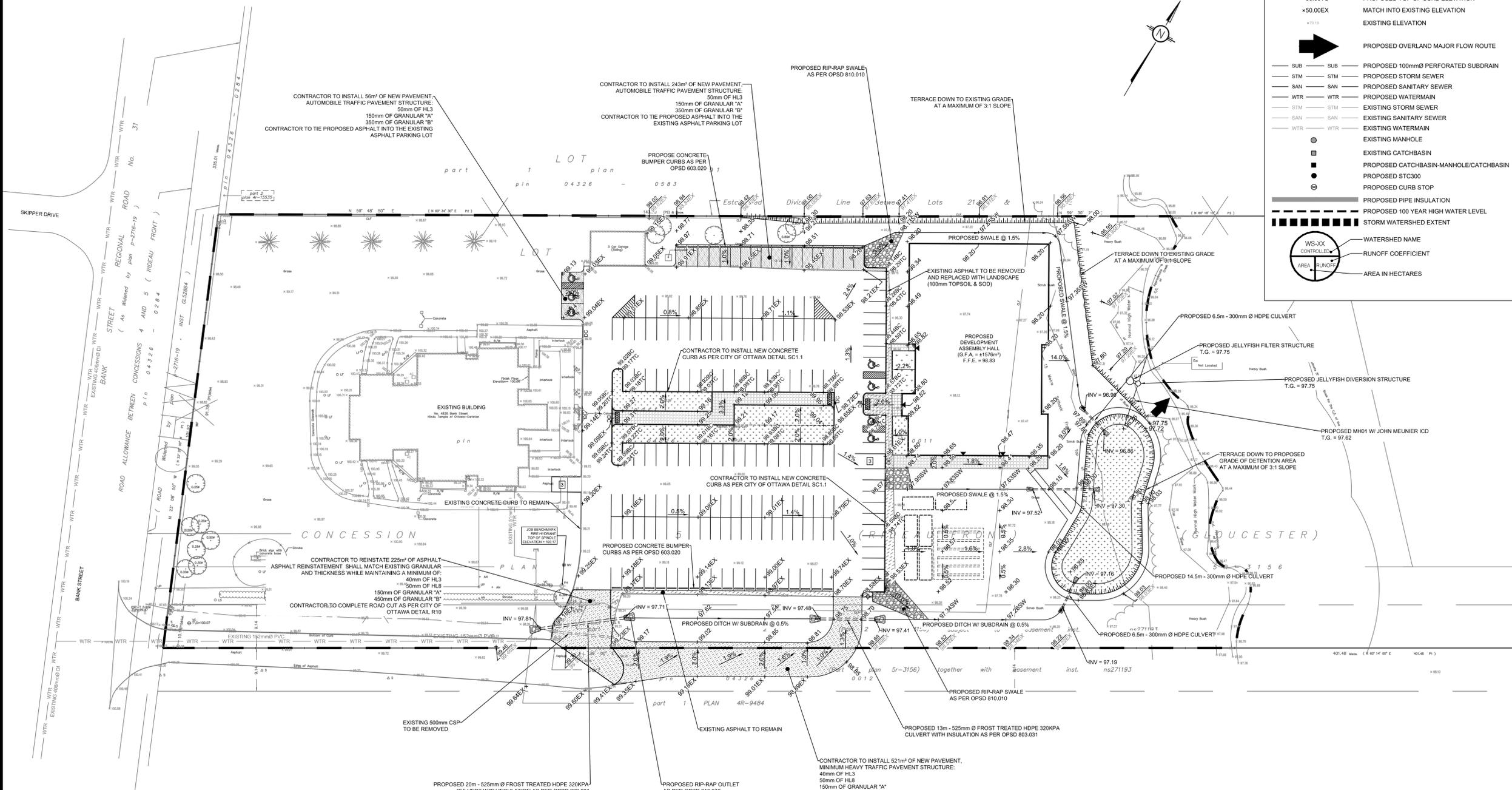
PAVEMENT STRUCTURE

COURSE	MATERIAL	THICKNESS (mm)	
		AUTOMOBILE PARKING	TRUCK ROUTE (HEAVY TRAFFIC)
SURFACE	HL 3 A/C (PG 58-28)	50	40
BINDER	HL 8 A/C (PG 58-28)	--	50
BASECOURSE	GRANULAR "A"	150	150
SUBBASE	GRANULAR "B" TYPE II	350	450

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 SUBCAVATED 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.

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- PROPOSED MATCH INTO EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- SUB — SUB — PROPOSED 100mm PERFORATED SUBDRAIN
- STM — STM — PROPOSED STORM SEWER
- SAN — SAN — PROPOSED SANITARY SEWER
- WTR — WTR — PROPOSED WATERMAIN
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- EXISTING MANHOLE
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- WS-XX CONTROLLED
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USE AND INTERPRETATION OF DRAWINGS

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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 LRI'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRI AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRI AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.

GENERAL NOTES:

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THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND CONDITIONS. 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.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

No.	REVISIONS	BY	DATE
01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020



NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT: THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON

DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA

DRAWING TITLE: GRADING AND DRAINAGE PLAN

PROJECT NO: 170132
 DATE: JAN 2020



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 SPMDD.
- 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 INSULATED WHEN COVER IS LESS THAN 2.4m

WATERMAIN TABLE			
DESCRIPTION	CHAINAGE	INVERT ELEVATION	FINISHED GRADE
CONNECTION TO EXISTING	0+000.0	TO MATCH EXISTING	99.32
TEE CONNECT. #1	0+002.5	96.86	99.32
45° BEND #1	0+080.1	95.16	98.66
45° BEND #2	0+088.6	94.99	97.39
TEE CONNECT. #2	0+093.0	95.14	98.23
FIRE HYDRANT	0+100.1*	95.32	98.56
45° BEND #3	0+126.2	96.19	98.78
PROPOSED DEVELOPMENT	0+131.0	96.41	98.81

NOTES: *DIVERGES AT TEE CONNECTION #2

LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MAX.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED STRAW BALE CHECK DAM AS PER OPSD 219.180
- PROPOSED DOOR ENTRANCE/EXIT
- PROPOSED LANDSCAPED AREA
- 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 ELEVATION
- 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 MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED STC300
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

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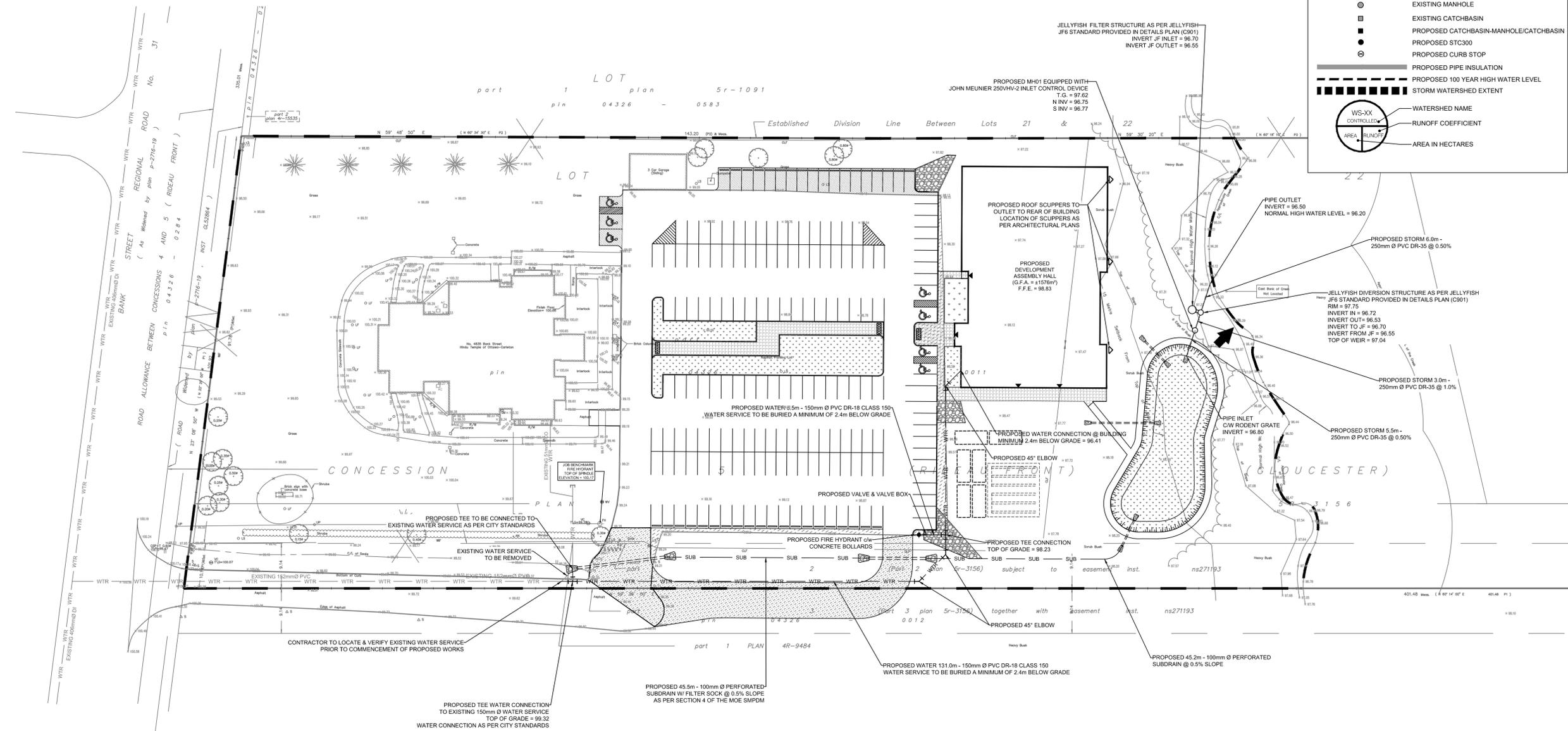
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01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020
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Professional Engineer Seal for K. H. JOHNSON, License No. 280510576, dated March 11, 2020, Province of Ontario.

NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT: THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON

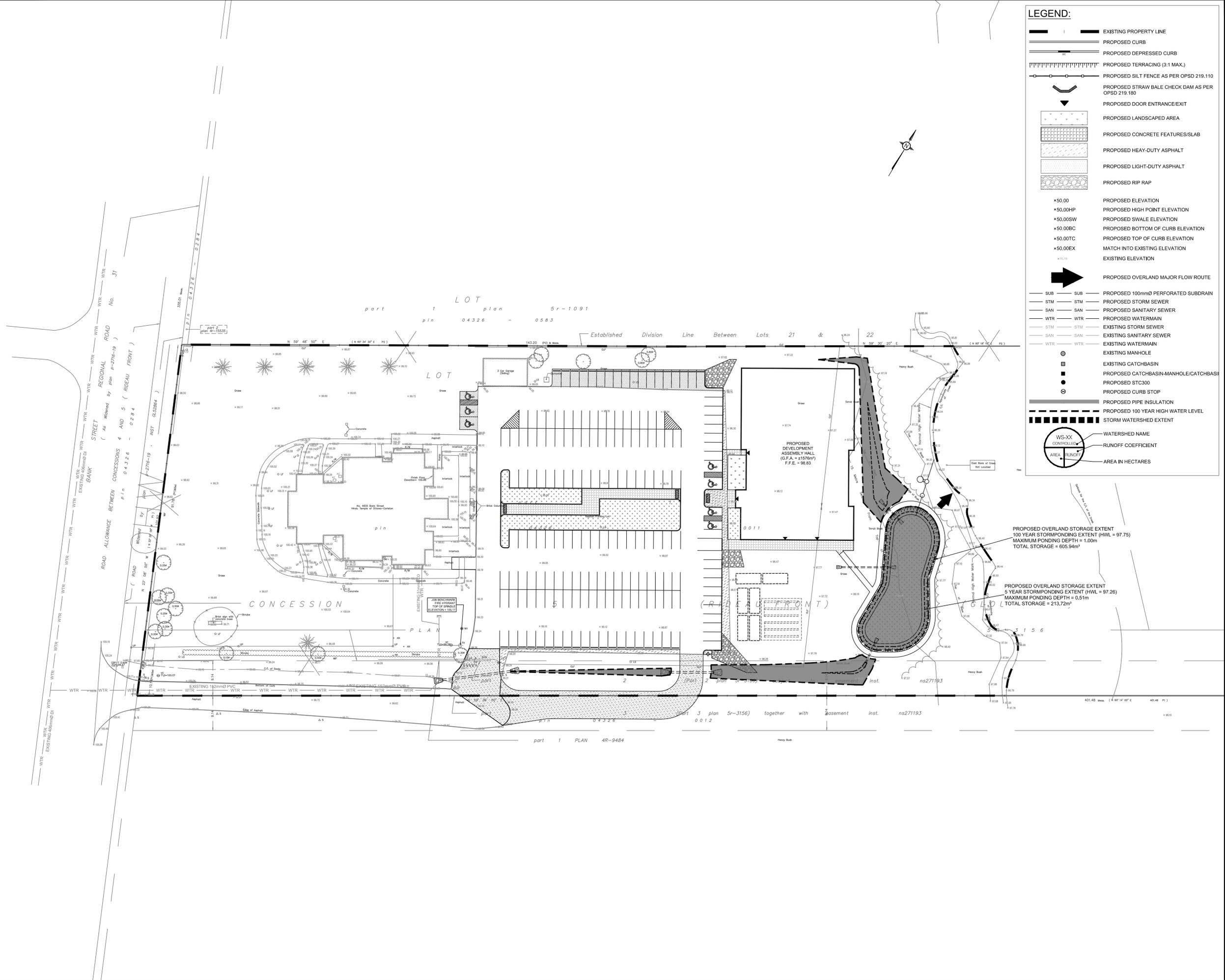
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA

DRAWING TITLE: SERVICING PLAN

PROJECT NO: 170132
DATE: JAN 2020

C401



LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MAX.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
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- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED RIP RAP
- *50.00 PROPOSED ELEVATION
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- *50.00SW PROPOSED SWALE ELEVATION
- *50.00BC PROPOSED BOTTOM OF CURB ELEVATION
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- *50.00EX MATCH INTO EXISTING ELEVATION
- *70.10 EXISTING ELEVATION
- PROPOSED OVERLAND MAJOR FLOW ROUTE
- SUB PROPOSED 100mmØ PERFORATED SUBDRAIN
- STM PROPOSED STORM SEWER
- SAN PROPOSED SANITARY SEWER
- WTR PROPOSED WATERMAIN
- STM EXISTING STORM SEWER
- SAN EXISTING SANITARY SEWER
- WTR EXISTING WATERMAIN
- EXISTING MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED STC300
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No.	REVISIONS	BY	DATE
01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020

NOT AUTHENTIC UNLESS SIGNED AND DATED

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CLIENT: THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON

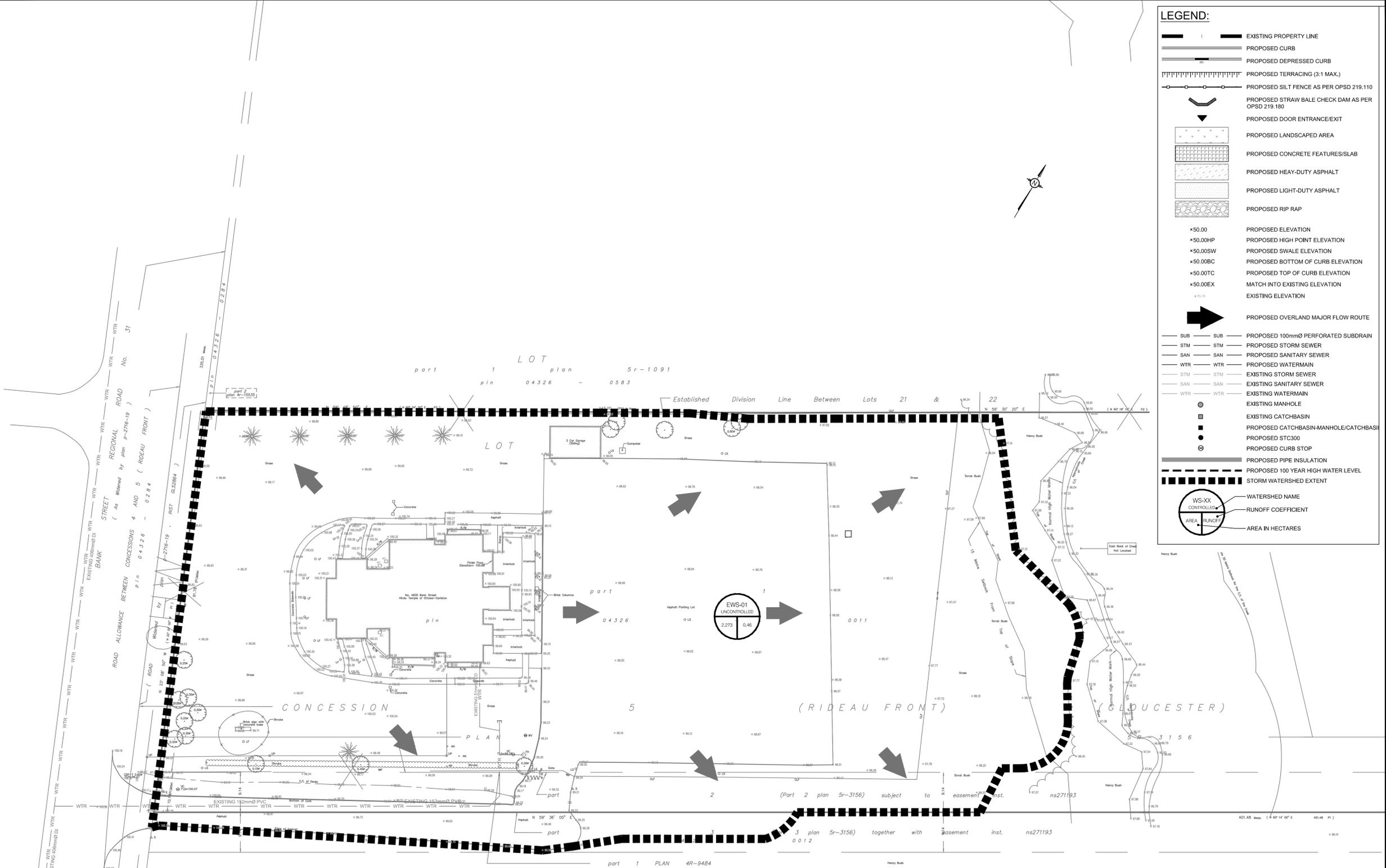
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL
4835 BANK STREET, OTTAWA

DRAWING TITLE: STORMWATER MANAGEMENT PLAN

PROJECT NO: 170132
DATE: JAN2020





LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MAX.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
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- PROPOSED OVERLAND MAJOR FLOW ROUTE
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- WTR PROPOSED WATERMAIN
- STM EXISTING STORM SEWER
- SAN EXISTING SANITARY SEWER
- WTR EXISTING WATERMAIN
- EXISTING MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED STC300
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
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01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020



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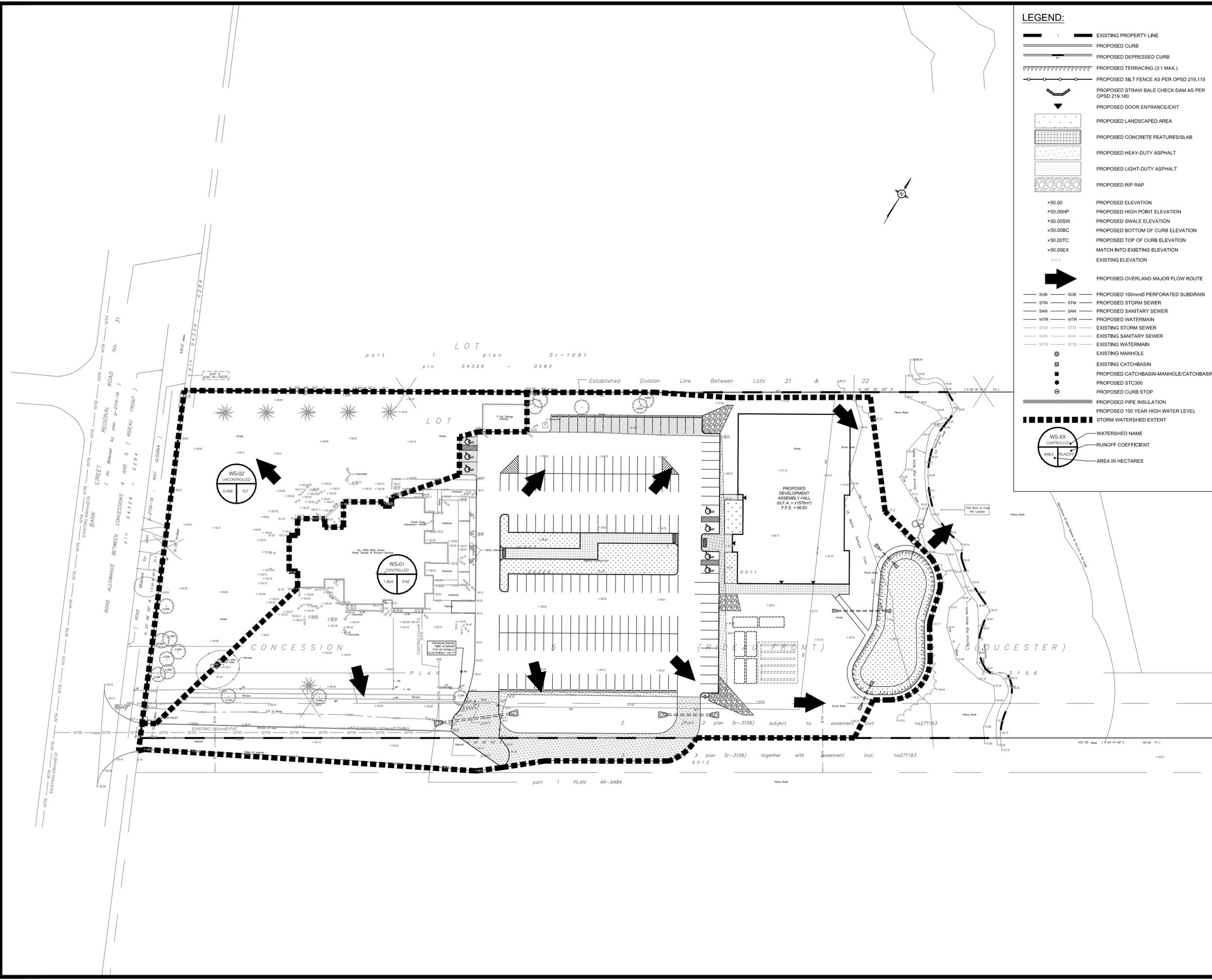
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL
4835 BANK STREET, OTTAWA

DRAWING TITLE: PRE-DEVELOPMENT WATERSHED PLAN

PROJECT NO: 170132
DATE: JAN2020

C701



LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED TERRACING (3:1 MAX.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED STRAW BALE CHECK DAM AS PER OPSD 219.180
- PROPOSED DOOR ENTRANCE/EXIT
- PROPOSED LANDSCAPED AREA
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED RIP RAP
- PROPOSED ELEVATION
- PROPOSED HIGH POINT ELEVATION
- PROPOSED SLOPE ELEVATION
- PROPOSED BOTTOM OF CURB ELEVATION
- 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 MANHOLE
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN-MANHOLE/CATCHBASIN
- PROPOSED STC300
- PROPOSED CURB STOP
- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

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UNAUTHORIZED CHANGES:

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IN ADDITION, THE CLIENT AGREES TO THE FULLEST EXTENT PERMITTED BY LAW, 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.

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GENERAL NOTES:

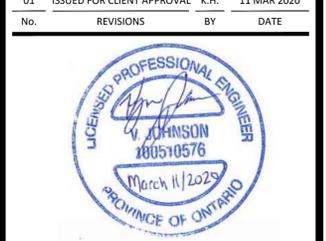
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CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

No.	REVISIONS	BY	DATE
01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020



NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT: THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON

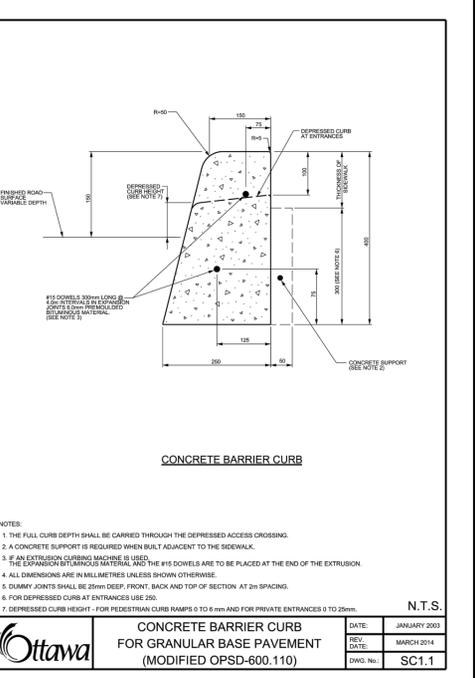
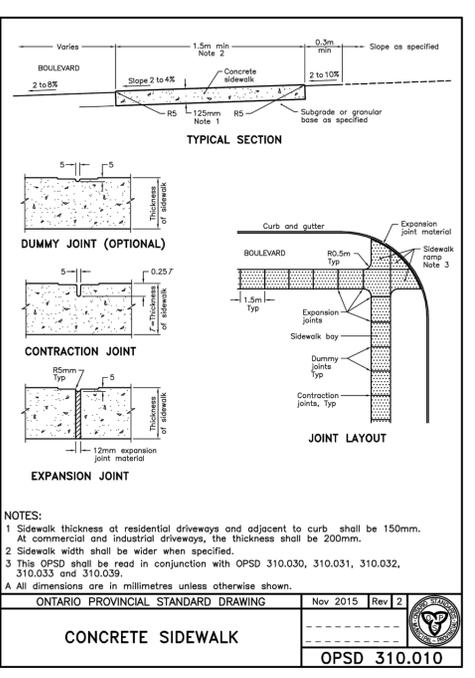
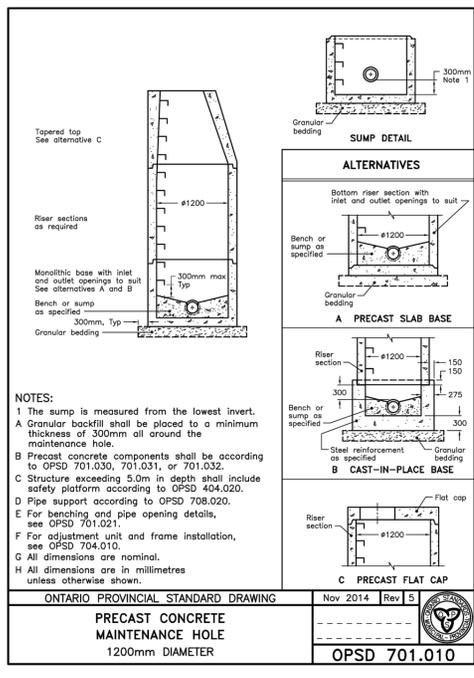
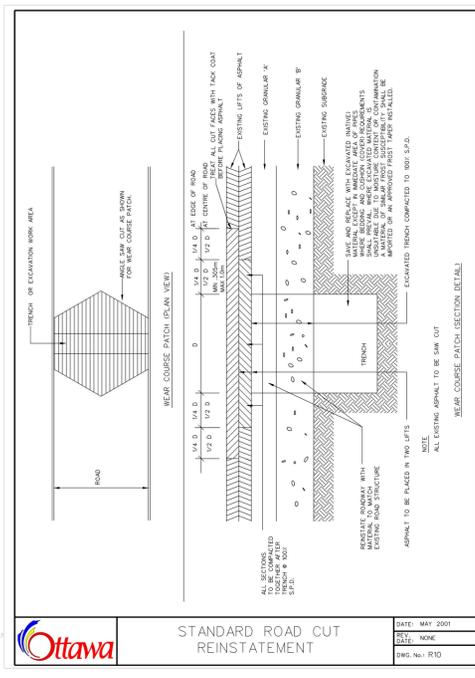
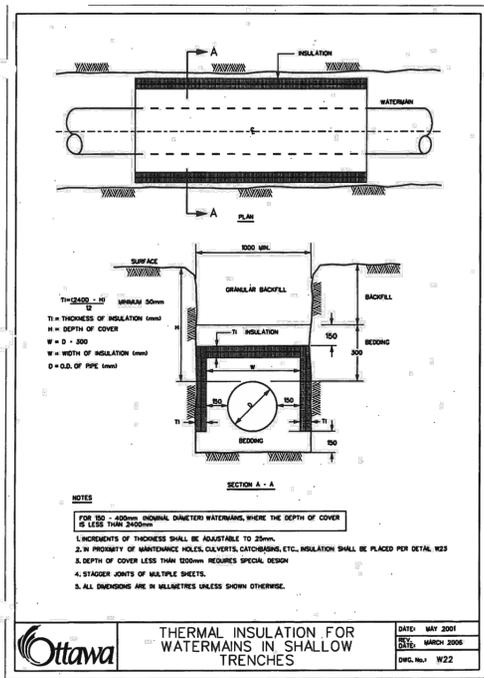
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA

DRAWING TITLE: POST-DEVELOPMENT WATERSHED PLAN

PROJECT NO: 170132
 DATE: JAN2020





USE AND INTERPRETATION OF DRAWINGS

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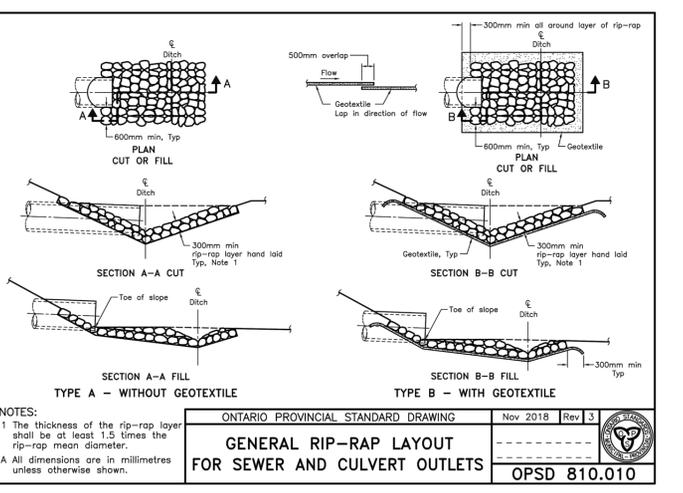
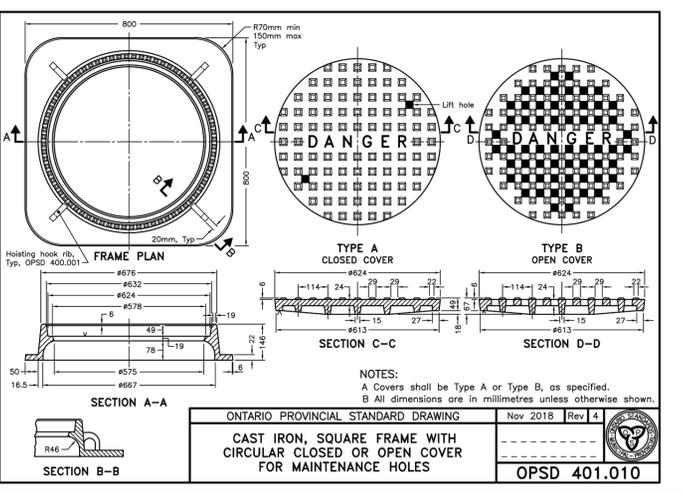
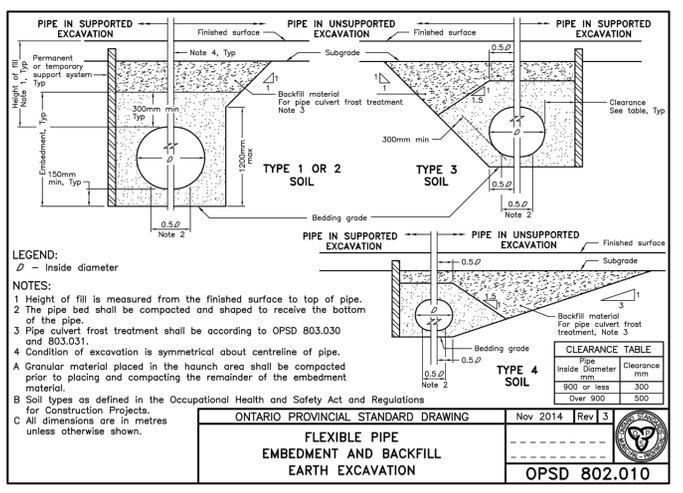
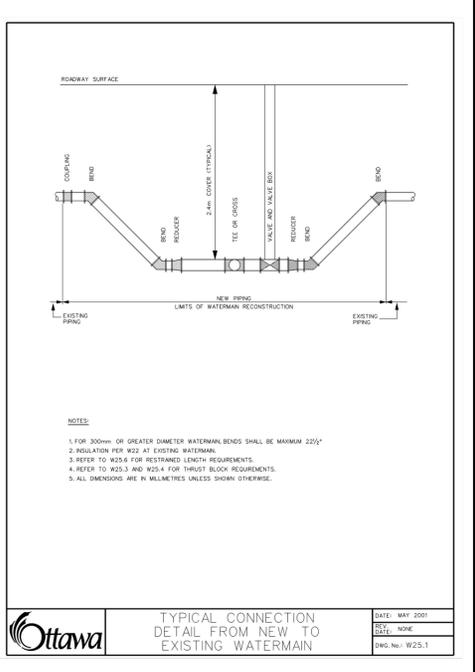
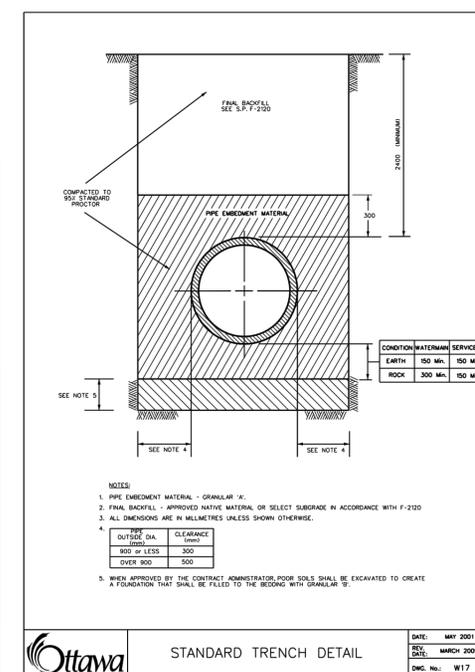
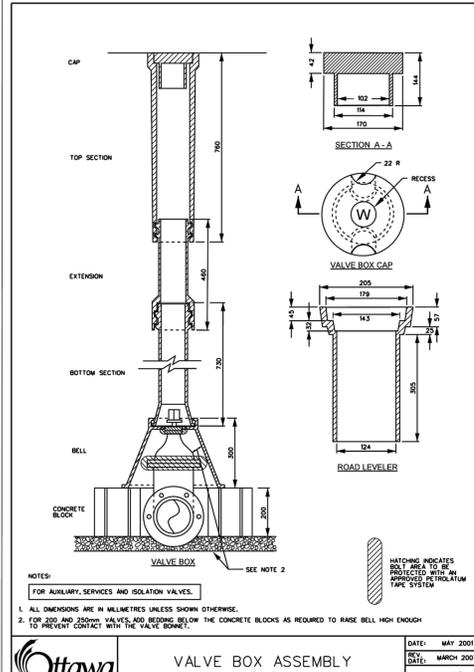
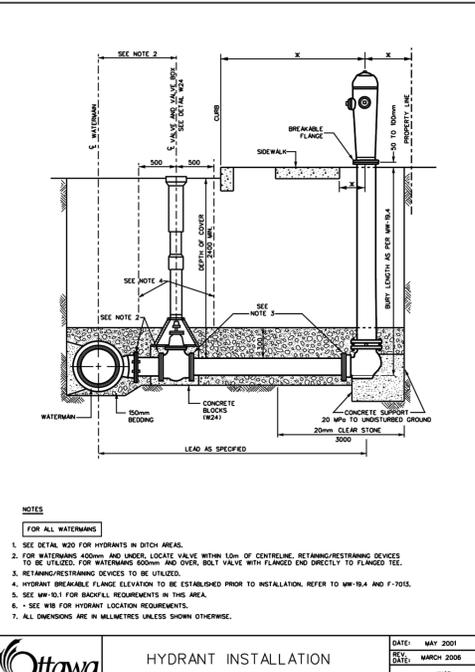
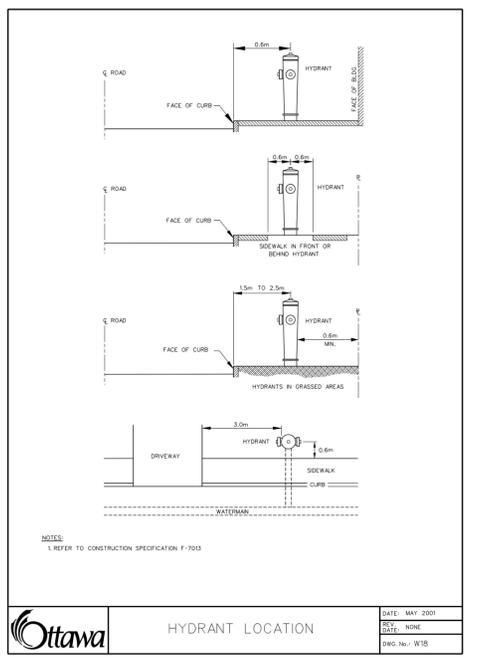
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01 ISSUED FOR CLIENT APPROVAL K.H. 11 MAR 2020

No.	REVISIONS	BY	DATE

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

CLIENT: THE HINDU HERITAGE CENTRE OF OTTAWA CARLETON

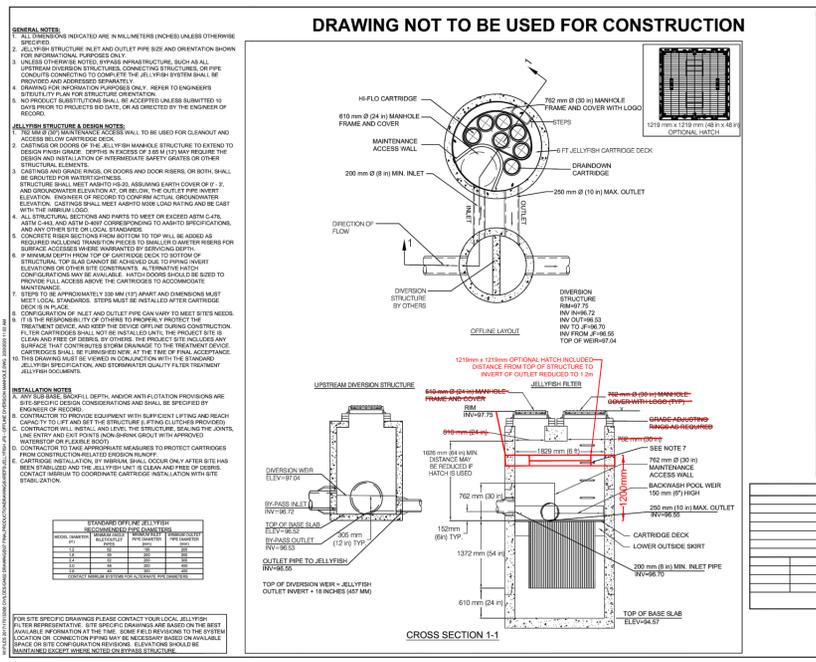
DESIGNED BY: P.P. DRAWN BY: K.H. APPROVED BY: M.B.

PROJECT: PROPOSED ASSEMBLY HALL 4835 BANK STREET, OTTAWA

DRAWING TITLE: CONSTRUCTION DETAIL PLAN

PROJECT NO.: 170132
DATE: JAN 2020

C901



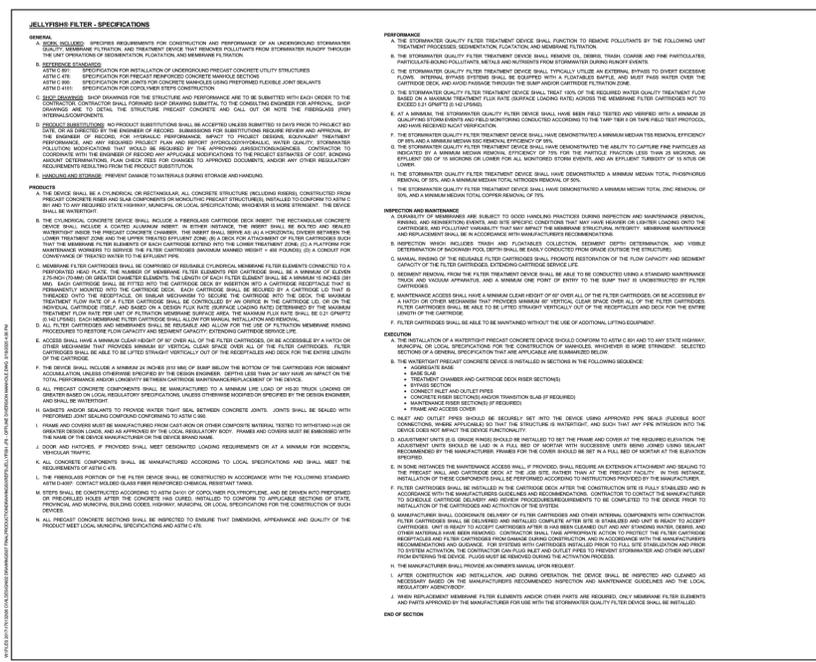
JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANIFOLD FRAME AND COVER SHALL BE 610 mm (24 in) MANIFOLD FRAME AND COVER WITH LOGO STEPS.

NO.	DESCRIPTION	QTY	UNIT	REMARKS
1	610 mm (24 in) MANIFOLD FRAME AND COVER WITH LOGO STEPS	1	EA	
2	200 mm (8 in) MIN. INLET	1	EA	
3	150 mm (6 in) DEEP	1	EA	
4	610 mm (24 in) MANIFOLD FRAME AND COVER WITH LOGO STEPS	1	EA	
5	200 mm (8 in) MIN. INLET	1	EA	
6	150 mm (6 in) DEEP	1	EA	
7	610 mm (24 in) MANIFOLD FRAME AND COVER WITH LOGO STEPS	1	EA	
8	200 mm (8 in) MIN. INLET	1	EA	
9	150 mm (6 in) DEEP	1	EA	
10	610 mm (24 in) MANIFOLD FRAME AND COVER WITH LOGO STEPS	1	EA	
11	200 mm (8 in) MIN. INLET	1	EA	
12	150 mm (6 in) DEEP	1	EA	

Jellyfish JFS STANDARD

ambium

DATE: 2015-11-10
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: [Name]
 SHEET: 2 OF 2



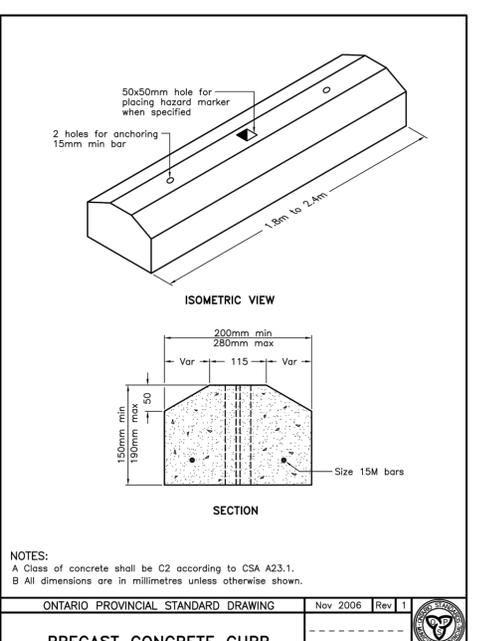
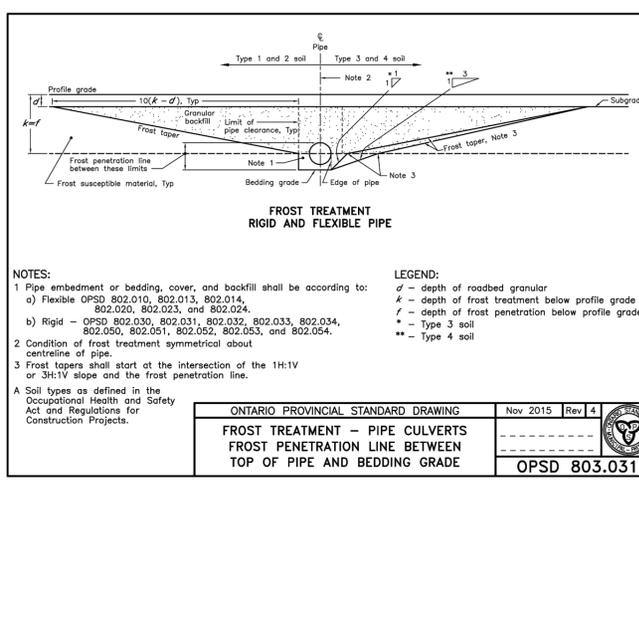
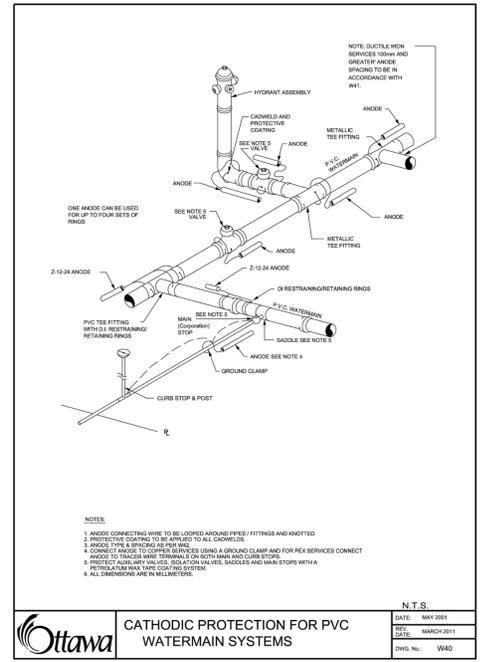
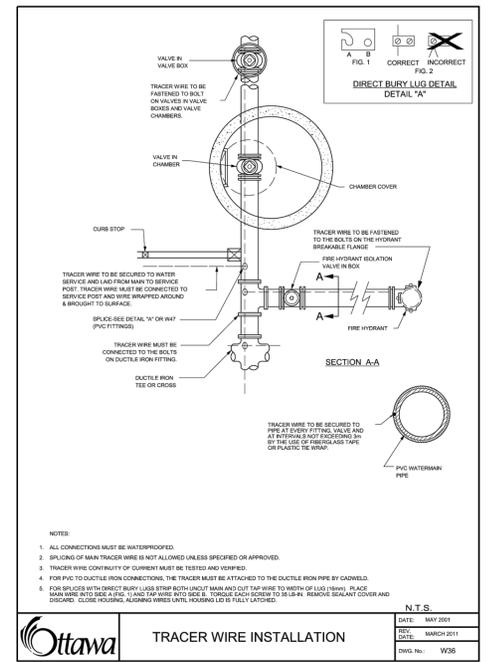
JELLYFISH FILTER SPECIFICATIONS

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ambium

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01 ISSUED FOR CLIENT APPROVAL K.H. 11 MAR 2020

No.	REVISIONS	BY	DATE
01	ISSUED FOR CLIENT APPROVAL	K.H.	11 MAR 2020

Licensed Professional Engineer
JOHNSON
200510576
March 11, 2020
PROVINCE OF ONTARIO

CLIENT
THE HINDU HERITAGE CENTRE
OF OTTAWA CARLETON

DESIGNED BY: P.P. **DRAWN BY:** K.H. **APPROVED BY:** M.B.

PROJECT
PROPOSED ASSEMBLY HALL
4835 BANK STREET, OTTAWA

DRAWING TITLE
CONSTRUCTION DETAIL PLAN

PROJECT NO.
170132

DATE
JAN2020

C902