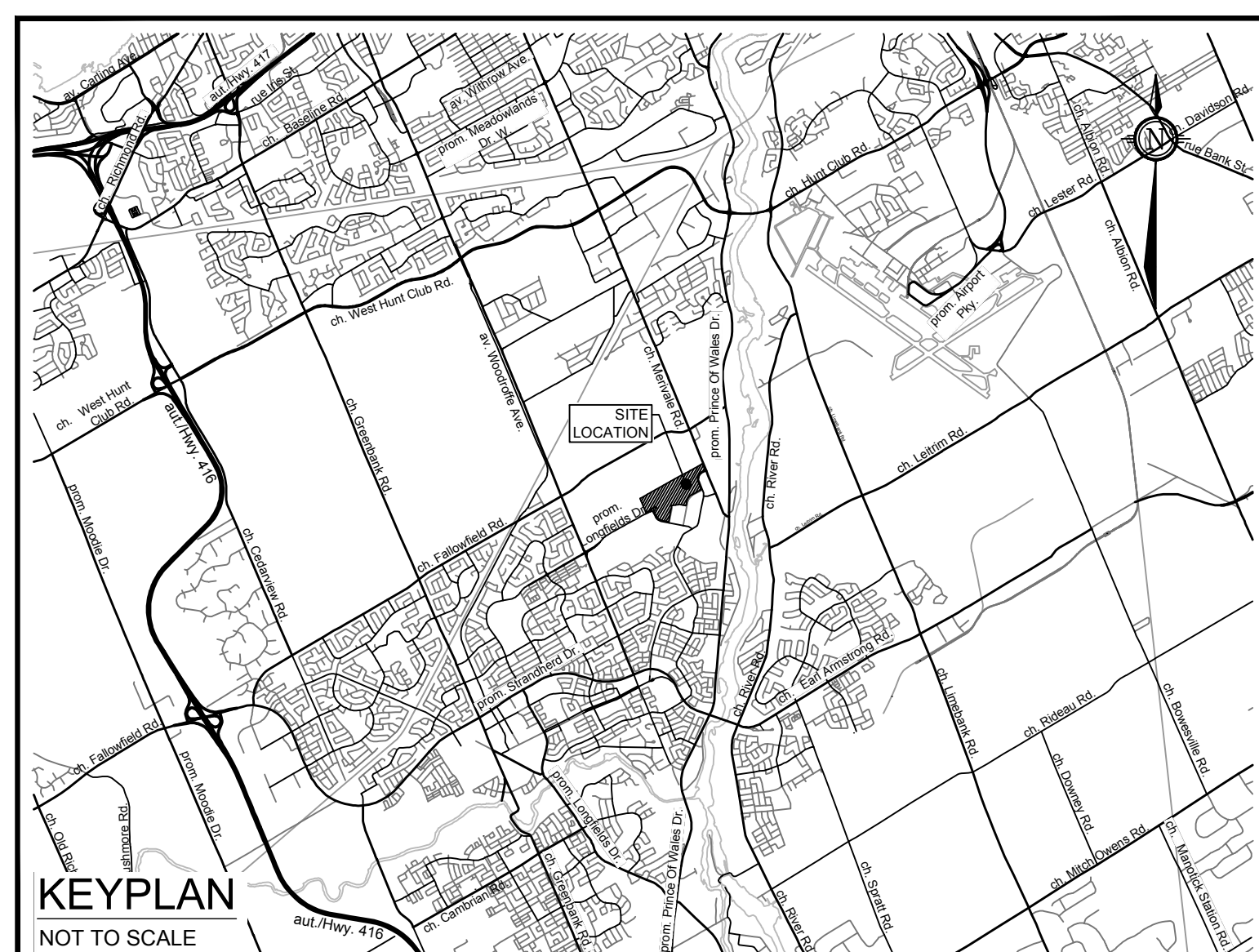


PROJECT X

99 BILL LEATHEM DR, 2 & 20 LEIKIN DR,
CITY OF OTTAWA

ROADS, SEWERS AND WATERMAINS



NOVATECH
Engineers, Planners & Landscape Architects
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GKC
ARCHITECTS
100 - 1255 ST. JEROME MONTREAL, QUEBEC H3C 1G5 TEL: 514-333-8833

PROJECT No. 124123

ISSUED FOR SITE PLAN APPROVAL

INDEX

NOTES AND DETAILS PLAN

124123-NDGP - NOTES AND DETAILS SERVICING
124123-NDGP2 - NOTES AND DETAILS SERVICING
124123-NDGR - NOTES AND DETAILS GRADING
124123-NDGR2 - NOTES AND DETAILS GRADING
124123-NDPND - NOTES AND DETAILS PONDS

GENERAL PLAN OF SERVICES

124123-GPO - OVERALL
124123-GP1 - NORTH WESTERN QUADRANT
124123-GP2 - NORTH EASTERN QUADRANT
124123-GP3 - SOUTH EASTERN QUADRANT
124123-GP4 - SOUTH WESTERN QUADRANT

GRADING PLAN

124123-GRO - OVERALL
124123-GR1 - NORTH WESTERN QUADRANT
124123-GR2 - NORTH EASTERN QUADRANT
124123-GR3 - SOUTH EASTERN QUADRANT
124123-GR4 - SOUTH WESTERN QUADRANT

EROSION SEDIMENT CONTROL PLAN

124123-ESC - EROSION AND SEDIMENT CONTROL

PARK GRADING AND SERVICING

124123-PGS - PARK GRADING AND SERVICING

GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$2,000,000.00, INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF MUNICIPAL AUTHORITIES.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- ALL ELEVATIONS ARE GEODETIC, THE SITE BENCHMARKS ARE THE FIRE HYDRANT TOP OF SPINDLE FOR 3 HYDRANTS WITHIN THE SMPR, BM NO.1 IS LOCATED AT THE SOUTH-EAST SIDE OF THE LONGFIELD DRIVE AND BILL LEATHAM DRIVE ROUND-A-BOUT, BM NO.2 IS LOCATED AT THE SOUTH SIDE OF THE LEKIN AND MERVALE ROAD INTERSECTION, BM NO.3 IS LOCATED ON THE EAST SIDE OF PARAGON DRIVE PRIOR TO THE CUL-DE-SAC, (BM NO. 1 ELEV = 91.88, BM NO. 2 ELEV = 91.88, BM NO. 3 ELEV = 91.94), REFER TO ANNS, O'SULLIVAN, VOLLEBERG LTD. TOPOGRAPHICAL PLAN OF SURVEY PART OF LOTS 18 AND 19, CONCESSION 1 (RIDEAU FRONT), GEOGRAPHIC TOWNSHIP OF NEPEAN.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT NO. P68878-2 REV 2, PROPOSED SORTATION FACILITY (DATED NOVEMBER 4, 2024) PREPARED BY PATERSON GROUP, FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
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- TO AVOID DRAINING THE SURROUNDING CLAY DEPOSIT CLAY SEALS WILL BE REQUIRED WITHIN THE PROPOSED SEWER TRENCHES AS PER CITY OF OTTAWA DETAIL S8. THE SPACING SHALL BE AS INDICATED BY THE GEOTECHNICAL CONSULTANT.

SEWER NOTES:

- SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
SANITARY/STORM/CATCHBASIN MANHOLE (12000)	701.010	OPSD
STORM MANHOLE (15000)	701.011	OPSD
STORM MANHOLE (18000)	701.012	OPSD
STORM MANHOLE (24000)	701.013	OPSD
STORM MANHOLE (30000)	701.014	OPSD
CATCHBASIN (600x600)	705.010	OPSD
CATCHBASIN FRAME AND COVER	400.020	OPSD
STORM/SANITARY MH FRAME	S25	CITY OF OTTAWA
SANITARY COVER	S24	CITY OF OTTAWA
STORM COVER (CLOSED)	S24.1	CITY OF OTTAWA
STORM COVER (OPEN)	S25.1	CITY OF OTTAWA
SEWER TRENCH	SE & S7	CITY OF OTTAWA
CLAY SEAL	S8	CITY OF OTTAWA
STORM SEWER < 450mmØ	PVC DR 35 (UNLESS SPECIFIED OTHERWISE)	CITY OF OTTAWA
STORM SEWER >= 450mmØ	CONC 650 (UNLESS SPECIFIED OTHERWISE)	CITY OF OTTAWA
SANITARY SEWER	PVC DR 35	CITY OF OTTAWA
- SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM THE FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.
- ALL STORM AND SANITARY LATERALS SHALL BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES AS PER THE CITY OF OTTAWA STANDARD DETAILS S14 AND S14.1 OR S14.2.
- PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
- FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KORN-SEAL, PEX, POSITIVE SEAL, AND DURABASEL). THE CONCRETE CRADLE FOR THE PIPE CAN BE ELIMINATED.
- ALL STORM MANHOLES MANHOLES WITH PIPE SIZES LESS THAN 900mm ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED. ALL STORM MANHOLES WITH PIPE SIZES 900mm AND LARGER ARE TO BE BENCHED.
- CONTRACTOR TO TELEVIEW (CCTV) ALL PROPOSED SEWERS 200mm OR GREATER IN DIAMETER PRIOR TO BASE COURSE ASPHALT TO ENSURE THAT THEY ARE CLEAN AND OPERATIONAL. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES AND RE CCTV PRIOR TO ACCEPTANCE. OBTAIN APPROVAL FROM THE CITY'S SEWER OPERATIONS. PROVIDE THE CCTV INSPECTION AND REPORT TO THE ENGINEER FOR REVIEW AND APPROVAL.
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL APPLICABLE SERVING AS-BUILT INFORMATION SHOWN ON THIS PLAN, AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND TIG ELEVATIONS, STRUCTURE LOCATIONS AND ANY ALIGNMENT CHANGES, ETC.
- THE OWNER SHALL REQUIRE THAT THE SITE SERVING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16, 410.07.16.01 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
- INSULATE ALL STORM SEWERS THAT HAVE LESS THAN 2.0m COVER PER CITY OF OTTAWA DETAIL S35, PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- ALL CATCHBASINS AND CATCHBASIN MANHOLES TO BE PROVIDED WITH MINIMUM 3 METER LONG PERFORATED SUBDRAINS EXTENDING IN TWO DIRECTIONS AT THE SUBGRADE LEVEL. SUBDRAIN IS TO BE PROVIDED AT THE TRANSITIONS BETWEEN DIFFERENT PAVEMENT COMPOSITIONS. THE SUBGRADE SURFACE SHOULD BE SHAPED TO PROMOTE WATER FLOW TO THE DRAINAGE LINES.

WATERMAIN NOTES:

- SUPPLY AND CONSTRUCT ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
WATERMAIN TRENCHING	W27	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
THERMAL INSULATION BY OPEN STRUCTURES	W23	CITY OF OTTAWA
METER CHAMBER	W23.1	CITY OF OTTAWA
WATERMAIN	PVC DR 18	
- SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARD AND SPECIFICATIONS, EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
- WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
- INSULATE ALL WATERMAIN THAT HAVE LESS THAN 2.4m COVER PER CITY OF OTTAWA DETAIL W22. PROVIDE 150MM CLEARANCE BETWEEN PIPE AND INSULATION.
- PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.
- WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.

REFER TO NOTES AND SPECIFICATIONS PREPARED BY CIVELEC CONSULTANTS INC. FOR WATERMAIN REQUIREMENTS.

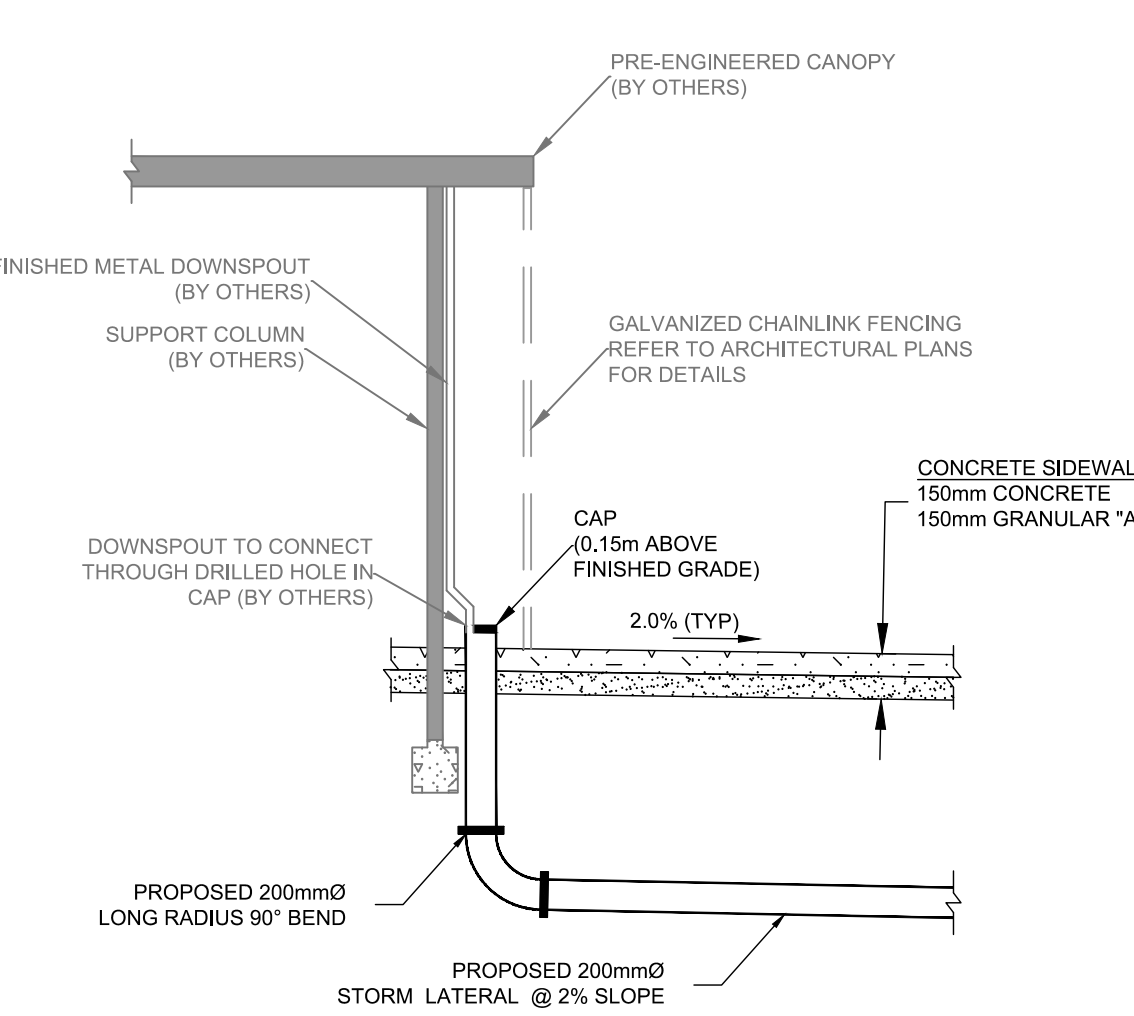
MANHOLE ID	TIG ELEV	INVERT
HW1	86.60	NE=86.62
HW2	86.80	N=87.26
HW3	86.40	E=86.40
HW4	87.67	SW=87.96
HW6	87.61	S=87.80
HW8	87.70	SW=87.70
HW9	87.50	SE=87.50
HW10	87.59	NE=87.71
119	90.05	SE=88.17
200	90.79	SE=88.48
201	90.71	NW=88.40
202	90.70	NW=88.08
203	91.18	NW=87.90
204	91.48	NE=87.66
205	91.57	NE=87.51
206	91.56	NE=87.23
207	90.97	NE=87.10
208	90.33	NW=86.68
209	90.70	NE=88.14
210	90.68	NE=87.78

MANHOLE ID	TIG ELEV	INVERT
211	90.87	NE=87.61
212	90.55	NE=87.54
213	91.61	NW=87.25
214	90.28	SE=87.44
215	90.11	NW=87.30
216	90.34	SW=88.41
217	90.66	NE=88.30
218	90.66	NE=88.06
219	90.79	N=87.88
220	90.74	NW=87.28
221	90.07	N=87.43
222	89.69	W=86.30
223	90.00	SW=87.83
224	90.30	NE=87.78
225	91.01	SW=88.81
227	90.89	E=89.42
228	90.50	SW=87.96
300	90.65	SE=88.69
301	90.70	NW=88.77
302	90.67	NE=88.55

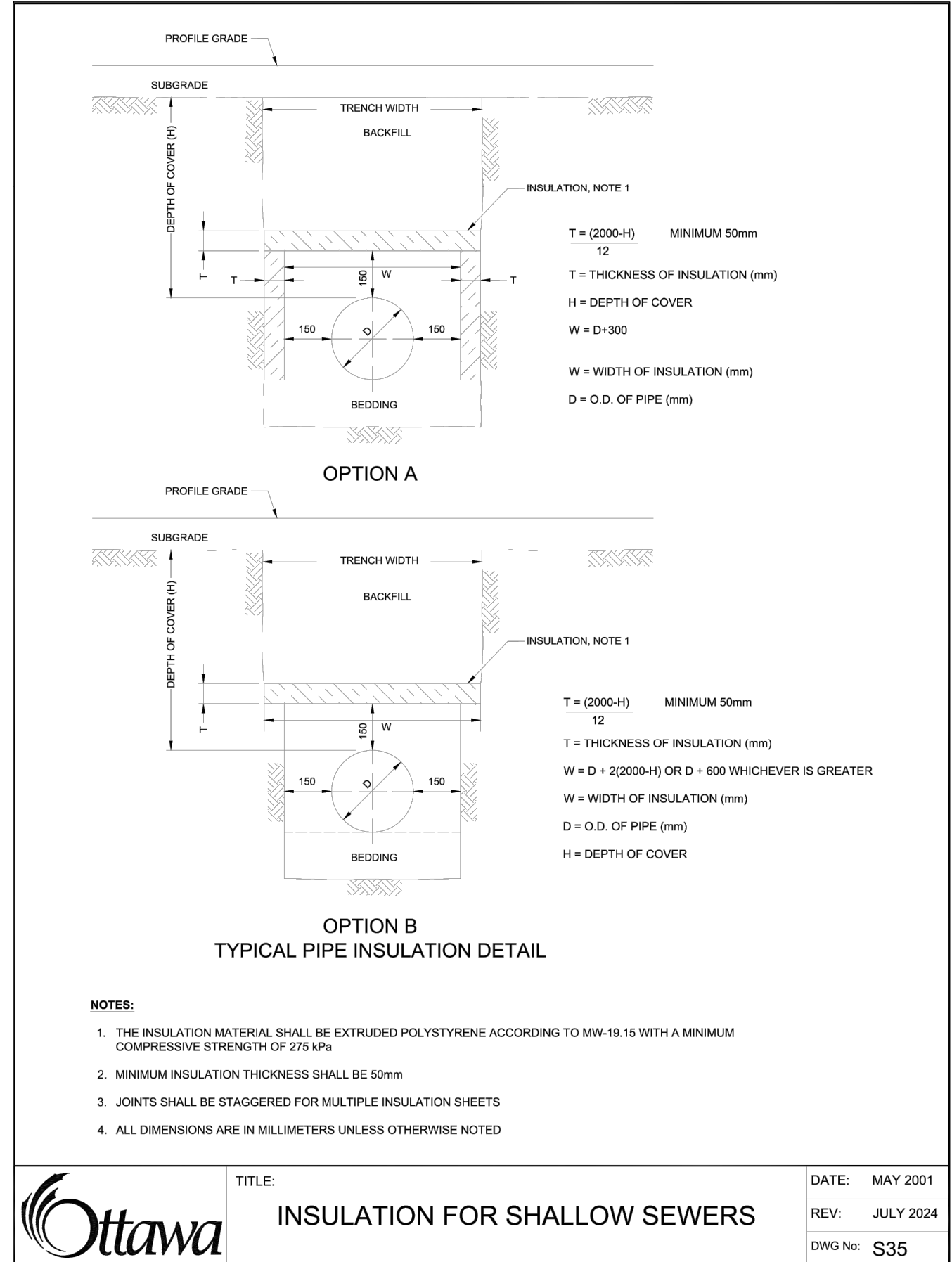
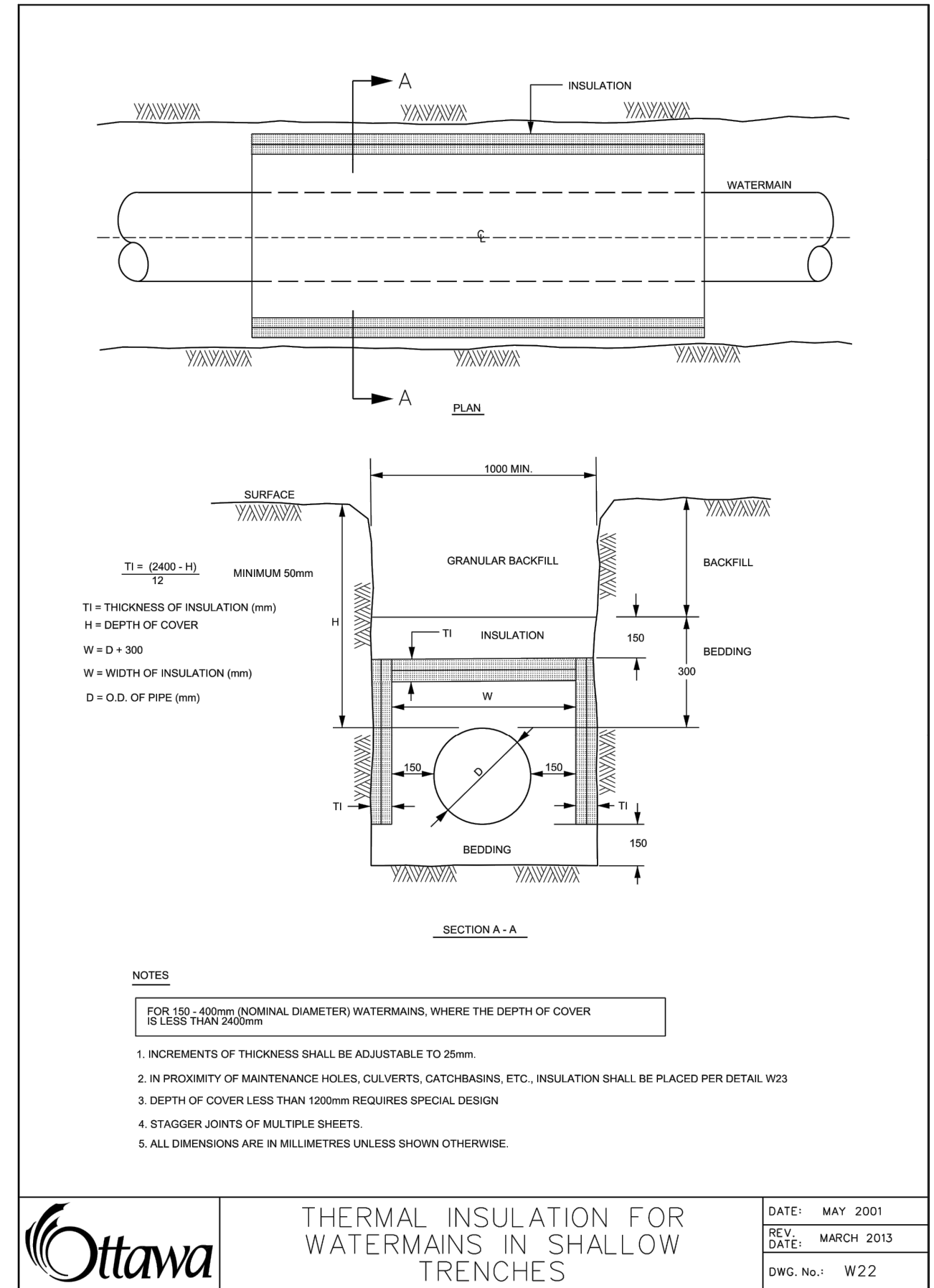
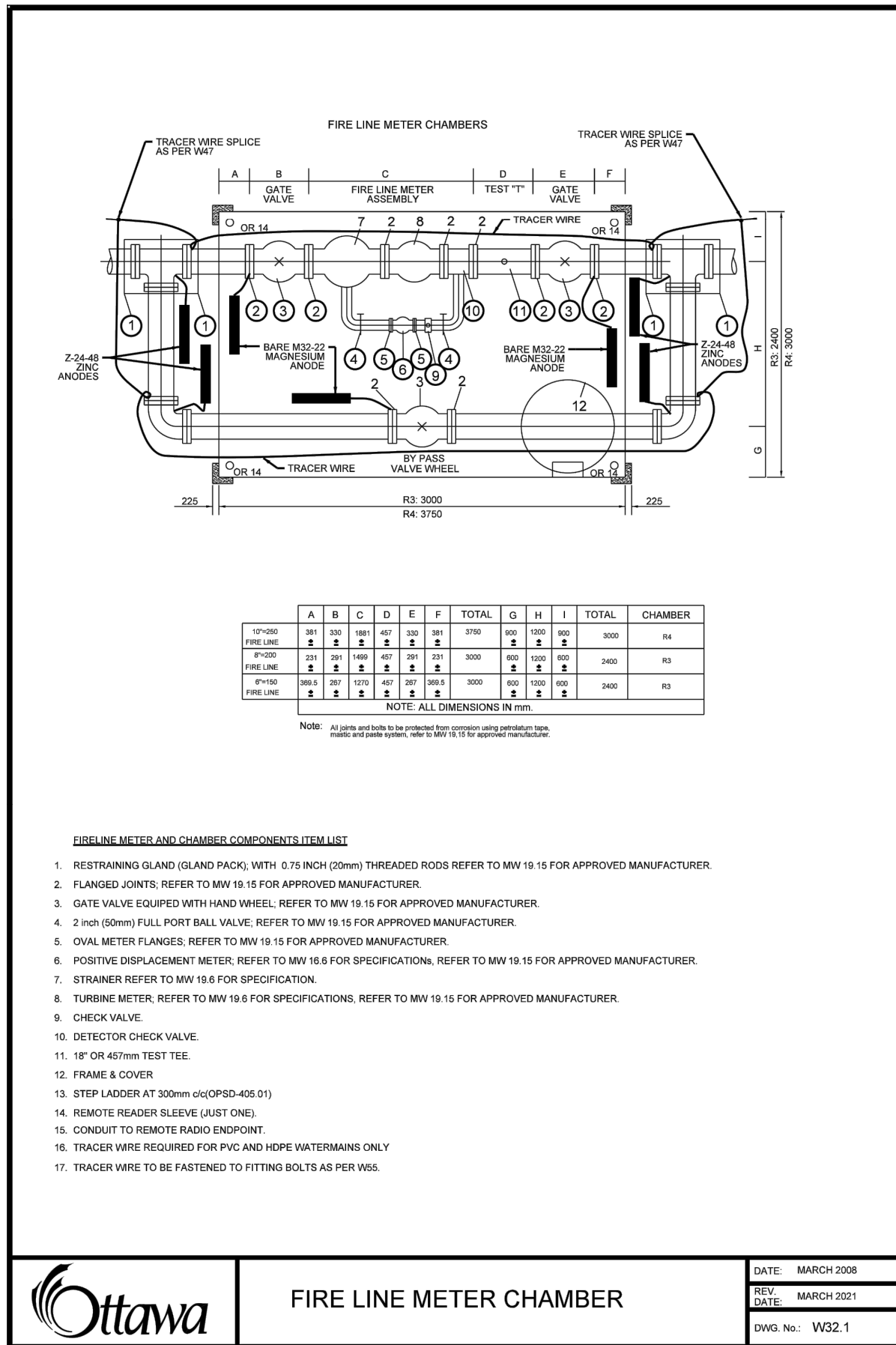
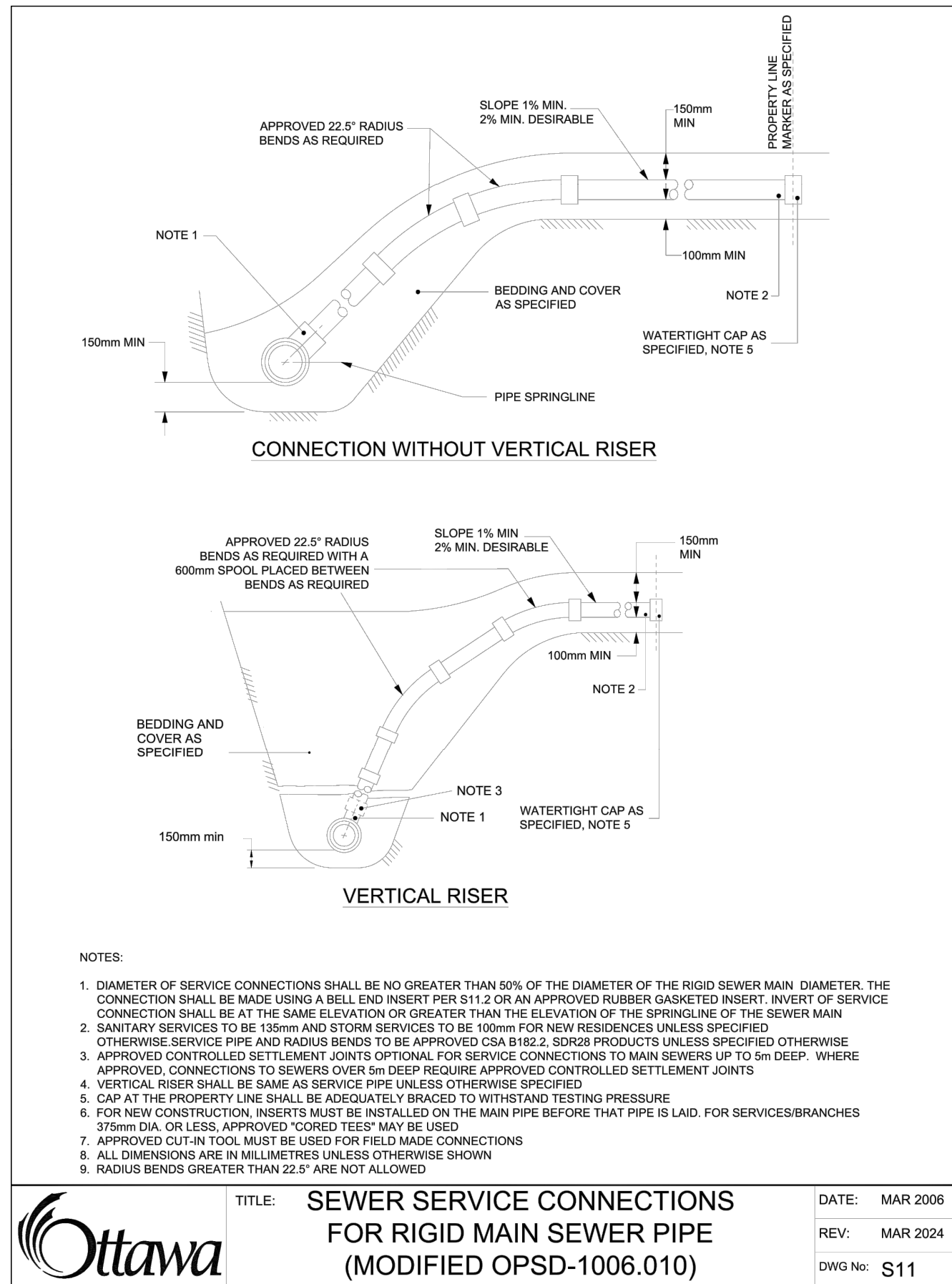
MANHOLE ID	TIG ELEV	INVERT
303	90.64	NW=88.03
304	91.25	SE=88.95
305	90.62	NE=88.40
306	90.72	SW=88.11
307	90.52	NE=87.89
308	91.15	S=88.21
309	91.35	SE=88.19
310	90.75	SE=88.56
313	90.65	E=88.55
314	90.80	E=88.88
315	91.45	SE=88.86
317	90.95	SE=88.82
320	90.59	NW=88.70
321	90.69	NW=88.56
322	91.05	NW=88.71
323	89.96	NW=87.96
325	90.51	W=87.47
895	91.97	NE=89.79

MANHOLE ID	TIG ELEV	INVERT
104	90.85	SW=87.44
105	91.21	SE=84.63
106	91.44	SW=85.05
107	91.64	SW=85.33
108	90.56	NW=88.17
109	90.48	NE=88.03
110	91.15	NW=87.73
111	90.88	NW=87.23
112	91.33	SW=85.62
113	90.65	SW=88.06
114	90.62	SW=88.52
115	91.45	NW=87.48

LOCATION	STRUCTURE	DIAMETER (mm)	5-YEAR		100-YEAR	
			HEAD (mm)	FLOW (L/s)	HEAD (mm)	FLOW (L/s)
POND 'A' OUTLET	HW3	630	1.23	818	1.95	1053
POND 'B' OUTLET	STMMH221	190	1.02	145	1.81	178
POND 'C' OUTLET	STMMH220	260	0.74	115	1.36	147



DOWN SPOUT CONNECTION DETAIL
SCALE: N.T.S



NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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.

APPROVED
By Lily Xu at 8:16 am, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, DEVELOPMENT, AND BUILDING SERVICES DEPARTMENT, CITY OF OTTAWA

NO.	REVISION	DATE	BY
7	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	MJH
6	ISSUED FOR FULL BUILDING PERMIT	FEB 12/25	MJH
5	PHASE 2 PERMIT - SUPERSTRUCTURE AND ENVELOPE	JAN 15/25	MJH
4	REVISED PER CITY COMMENTS	DEC 11/24	MJH
3	ISSUED FOR RFP TENDER SET (60%)	NOV 21/24	MJH
2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

SCALE	DESIGN	CHECKED	DRAWN	APPROVED
AS SHOWN	MJH / RJK	MJH	RJK	MJH



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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
NOTES AND DETAILS
SERVICING
PROJECT NO.: 124123
REV: #7
DRAWING NO.: 124123-NDGP

GENERAL NOTES:

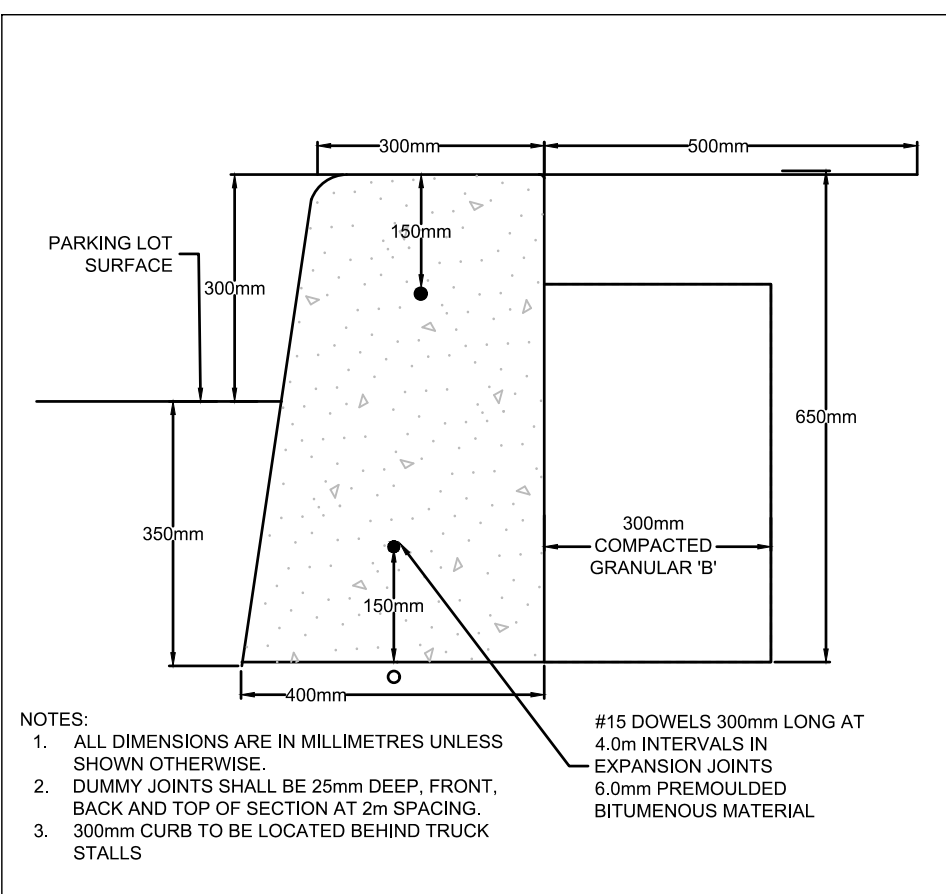
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GRADING NOTES:

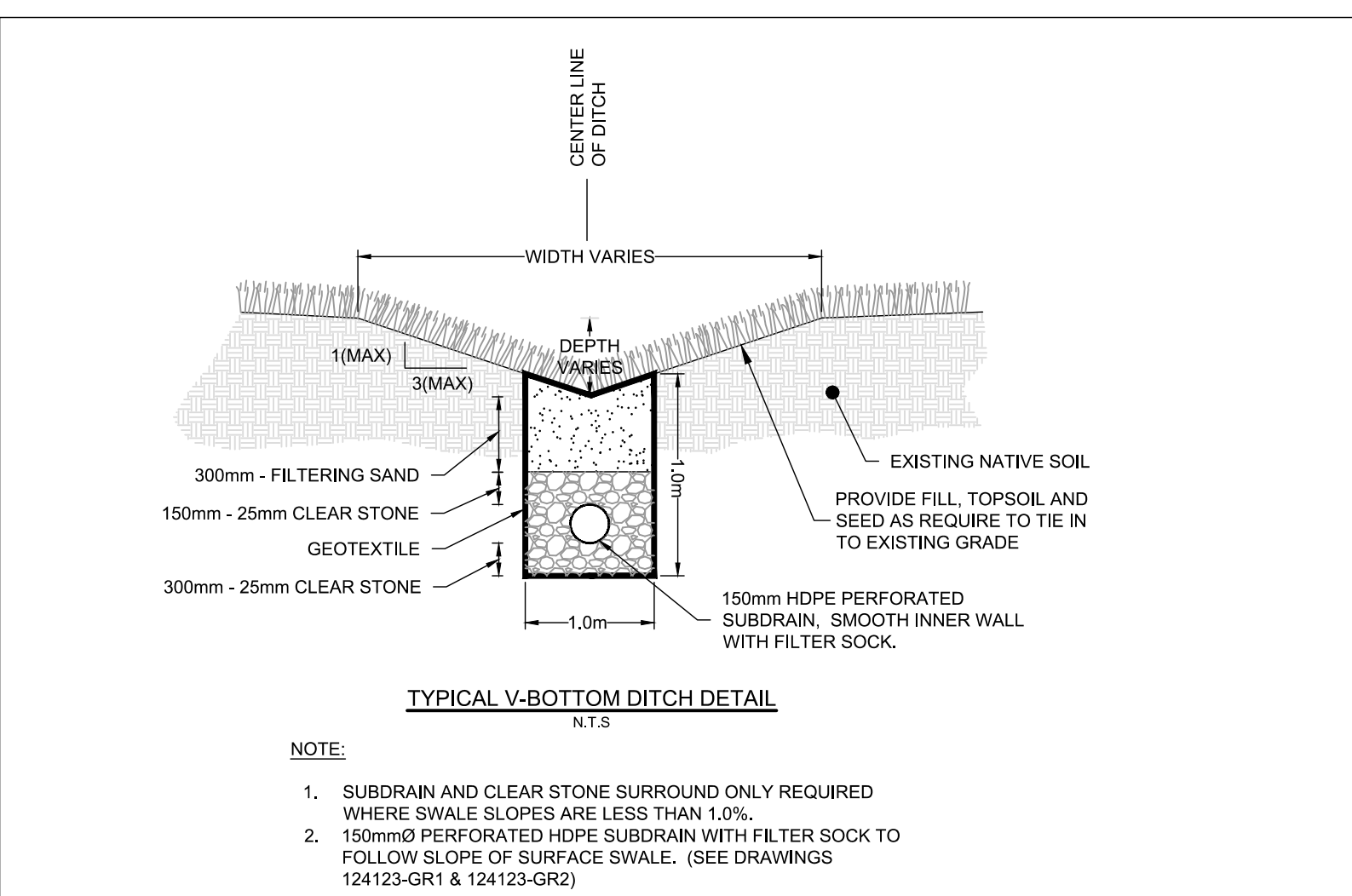
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED BUILDING AND PAVED AREAS.
- EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUBEXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS.
- THE PAVEMENT GRANULAR BASE AND SUBBASE SHOULD BE PLACED IN MAXIMUM 300mm THICK LIFTS AND COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
- ALL CURBS AND SIDEWALKS TO BE BUILT AS PER CITY OF OTTAWA DETAIL DRAWINGS SC1.4 AND SC4.
- GRADE AND/OR FILL BEHIND PROPOSED CURB AND BETWEEN BUILDINGS AND CURBS, WHERE REQUIRED TO PROVIDE POSITIVE DRAINAGE.
- MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
- ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
- REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATION OF EVERY DESIGN GRADE SHOWN ON THIS PLAN.

PAVEMENT STRUCTURES:

- LIGHT DUTY (CAR PARKING AREAS ONLY)**
- 100mm H-3 OR SUPERPAVE 12.5
 - 150mm GRANULAR "A"
 - 450mm GRANULAR "B" TYPE II
 - SEPARATION LAYER - GEOTEXTILE - WOVEN TERRAFIX 2000W OR APPROVED EQUIVALENT
- HEAVY DUTY (ACCESS LANES AND HEAVY TRUCK PARKING)**
- 40mm OPSS H-3 OR SUPERPAVE 12.5
 - 50mm OPSS 1150 HL8 HS HOT MIX OR SUPERPAVE 19.0
 - 50mm OPSS 1150 HL8 HS HOT MIX OR SUPERPAVE 19.0
 - 150mm GRANULAR "A"
 - 550mm GRANULAR "B" TYPE II
 - SEPARATION LAYER - GEOTEXTILE - WOVEN TERRAFIX 2000W OR APPROVED EQUIVALENT
- CONCRETE APRONS**
- REINFORCED CONCRETE (THICKNESS SPECIFIED BY OTHERS)
 - 150mm GRANULAR "A"
 - 600mm GRANULAR "B" TYPE II
 - 100mm H-40 RIGID INSULATION

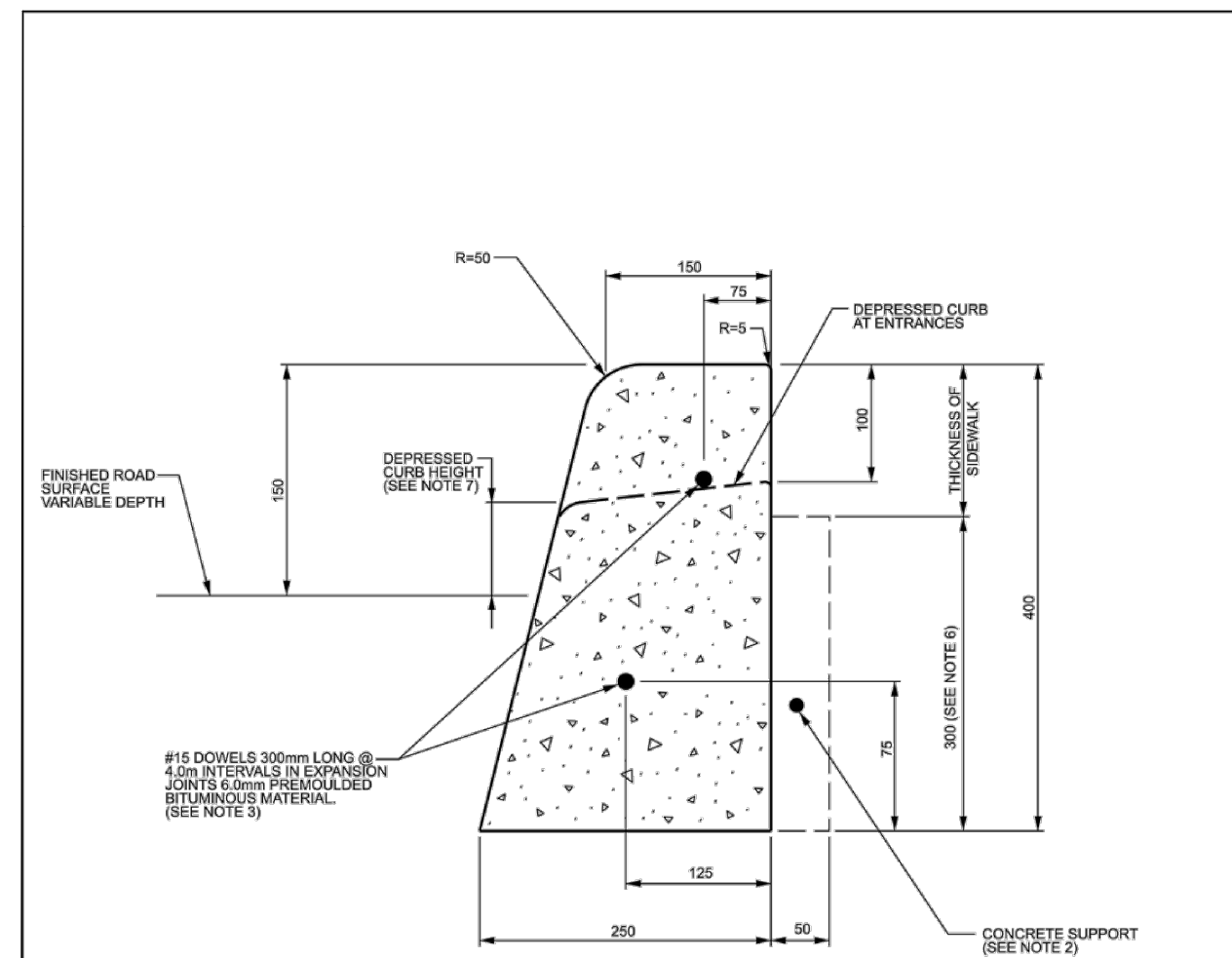


300mm CONCRETE BARRIER CURB DETAIL
SCALE = N.T.S.



NOTE:

- SUBDRAIN AND CLEAR STONE SURROUND ONLY REQUIRED WHERE SWALE SLOPES ARE LESS THAN 1.0%.
- 150mm PERFORATED HDPE SUBDRAIN WITH FILTER SOCK TO FOLLOW SLOPE OF SURFACE SWALE. (SEE DRAWINGS 124123-GR1 & 124123-GR2)



CONCRETE BARRIER CURB

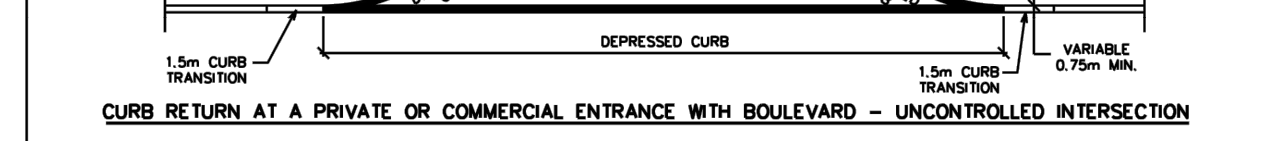
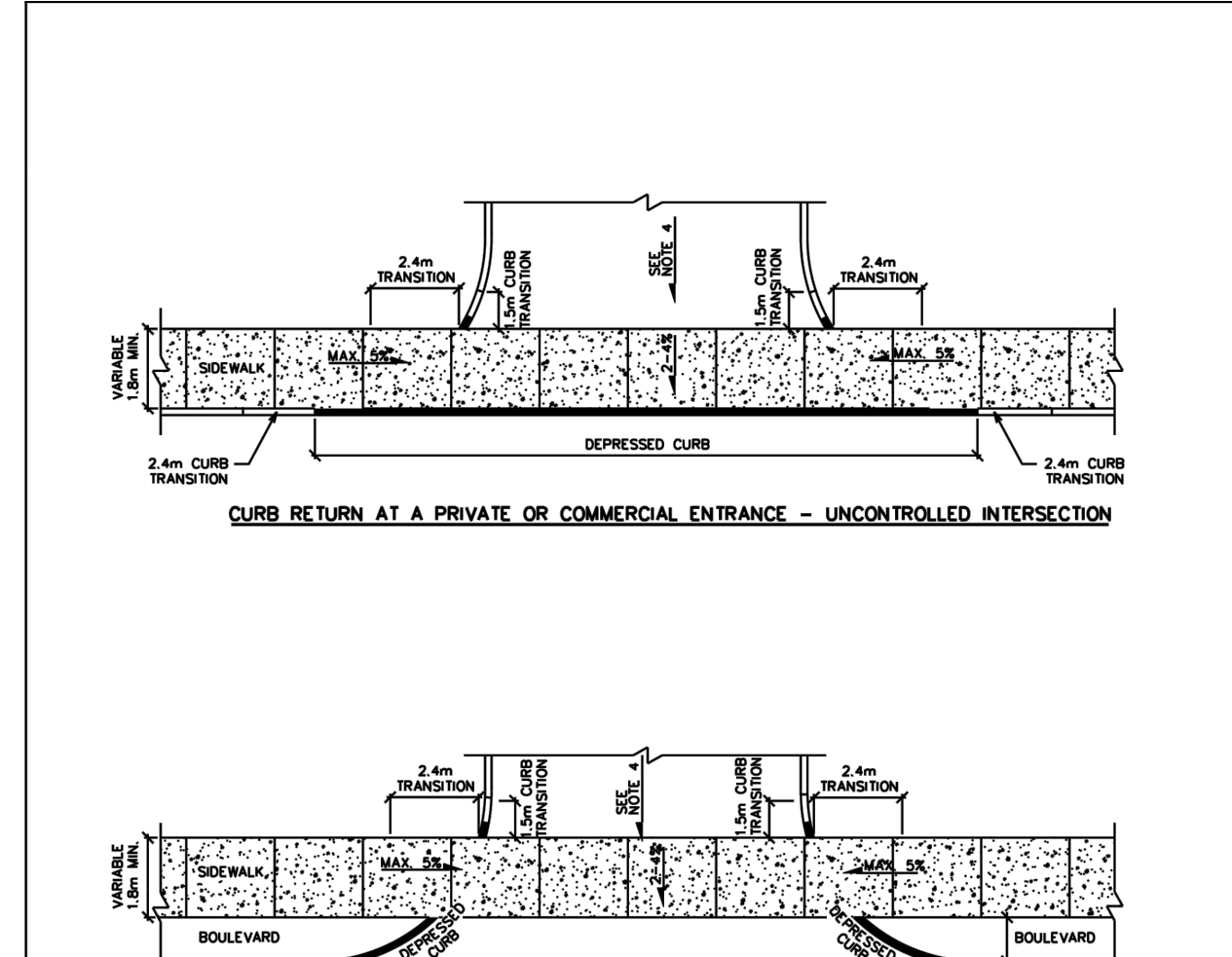
NOTES:

- THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
- A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
- IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
- FOR DEPRESSED CURB AT ENTRANCES USE 250.
- DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

Ottawa	CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSS-600.110)	DATE: JANUARY 2003
		REV. DATE: MARCH 2021
		DWG. No.: SC1.1

Ottawa	CURB RETURN ENTRANCES - UNCONTROLLED INTERSECTIONS	DATE: MARCH 2007
		REV. DATE: MARCH 2021
		DWG. No.: SC7.1



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- CURB DETAILS SEE SC1.1, SC1.2 AND SC1.3.
- SIDEWALK DETAILS SEE SC2 AND SC3.
- MAXIMUM SLOPE VARIES. SEE PRIVATE APPROACH BYLAW.
- UNCONTROLLED INTERSECTION MEANS AN ENTRANCE NOT LOCATED AT A TRAFFIC SIGNAL OR ALL-WAY STOP CONTROL.

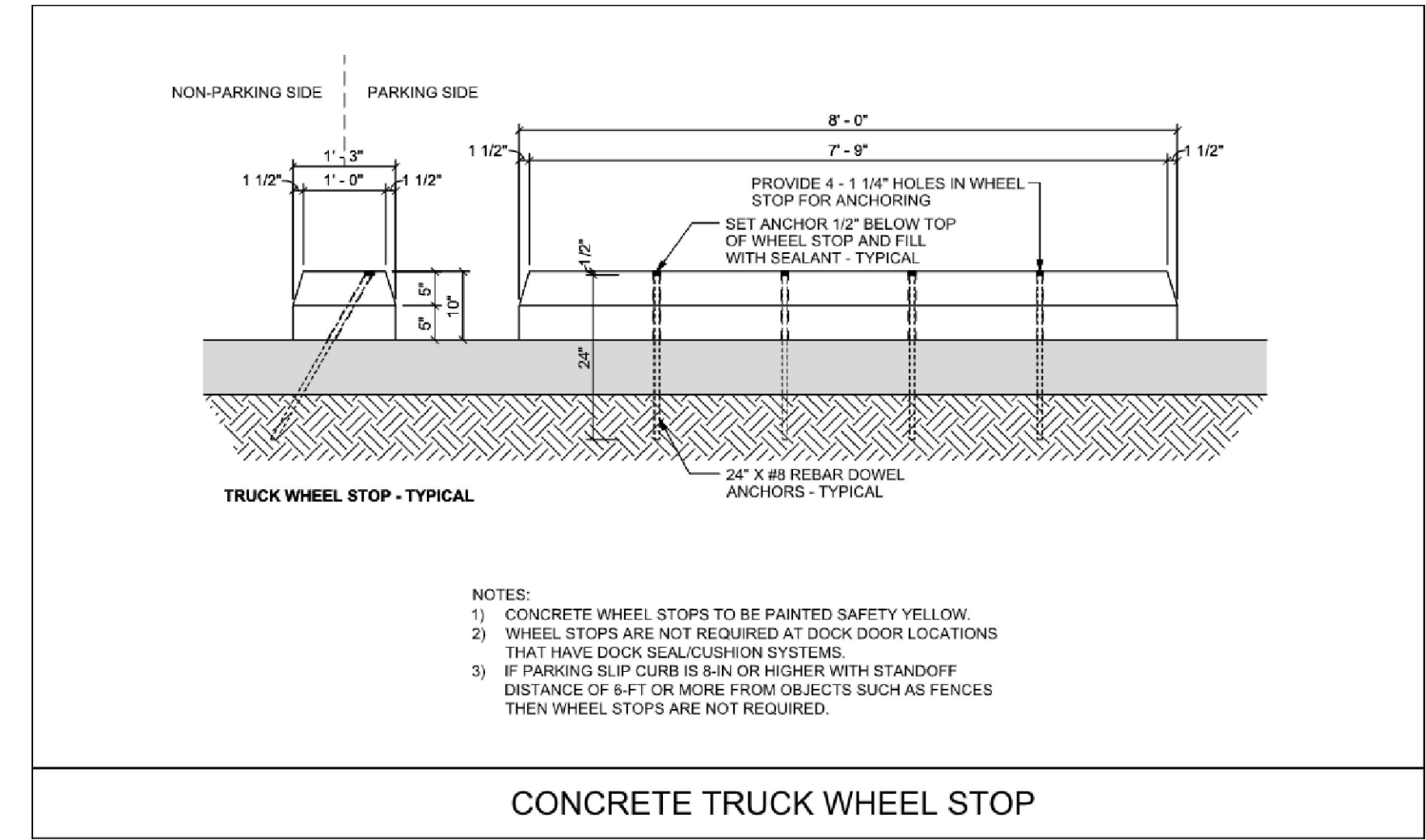
N.T.S.

Ottawa	CURB RETURN ENTRANCES - UNCONTROLLED INTERSECTIONS	DATE: MARCH 2007
		REV. DATE: MARCH 2021
		DWG. No.: SC7.1

APPROVED
By Lily Xu at 8:16 am, Feb 25, 2025

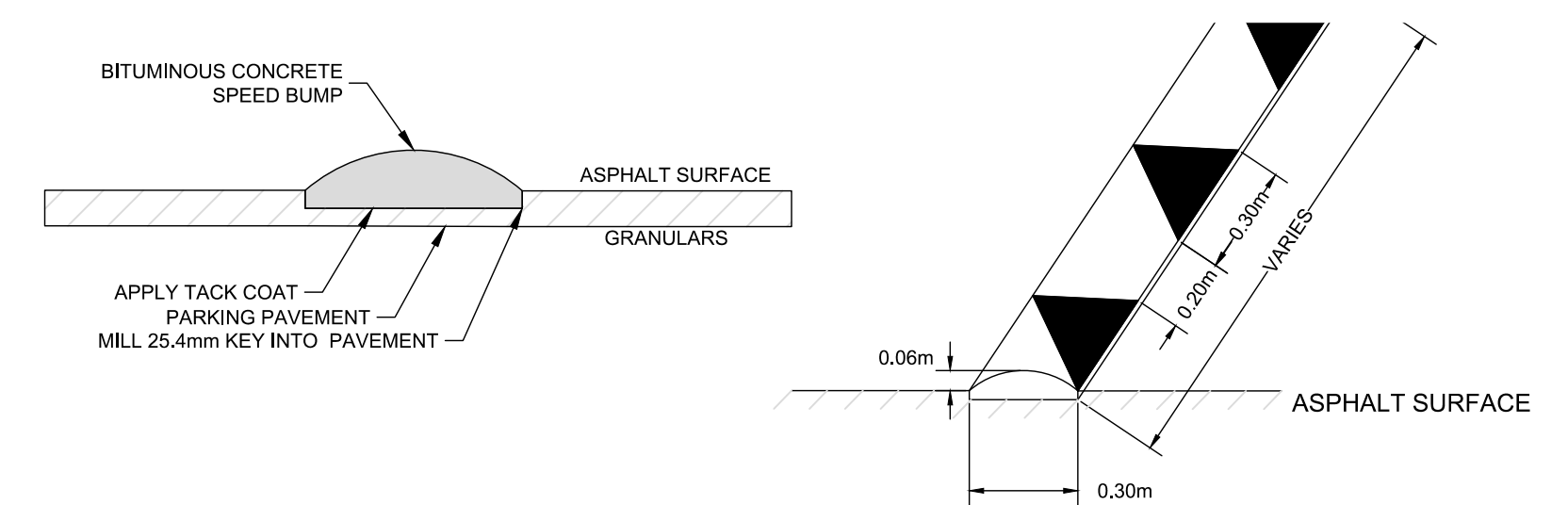
Lily Xu

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

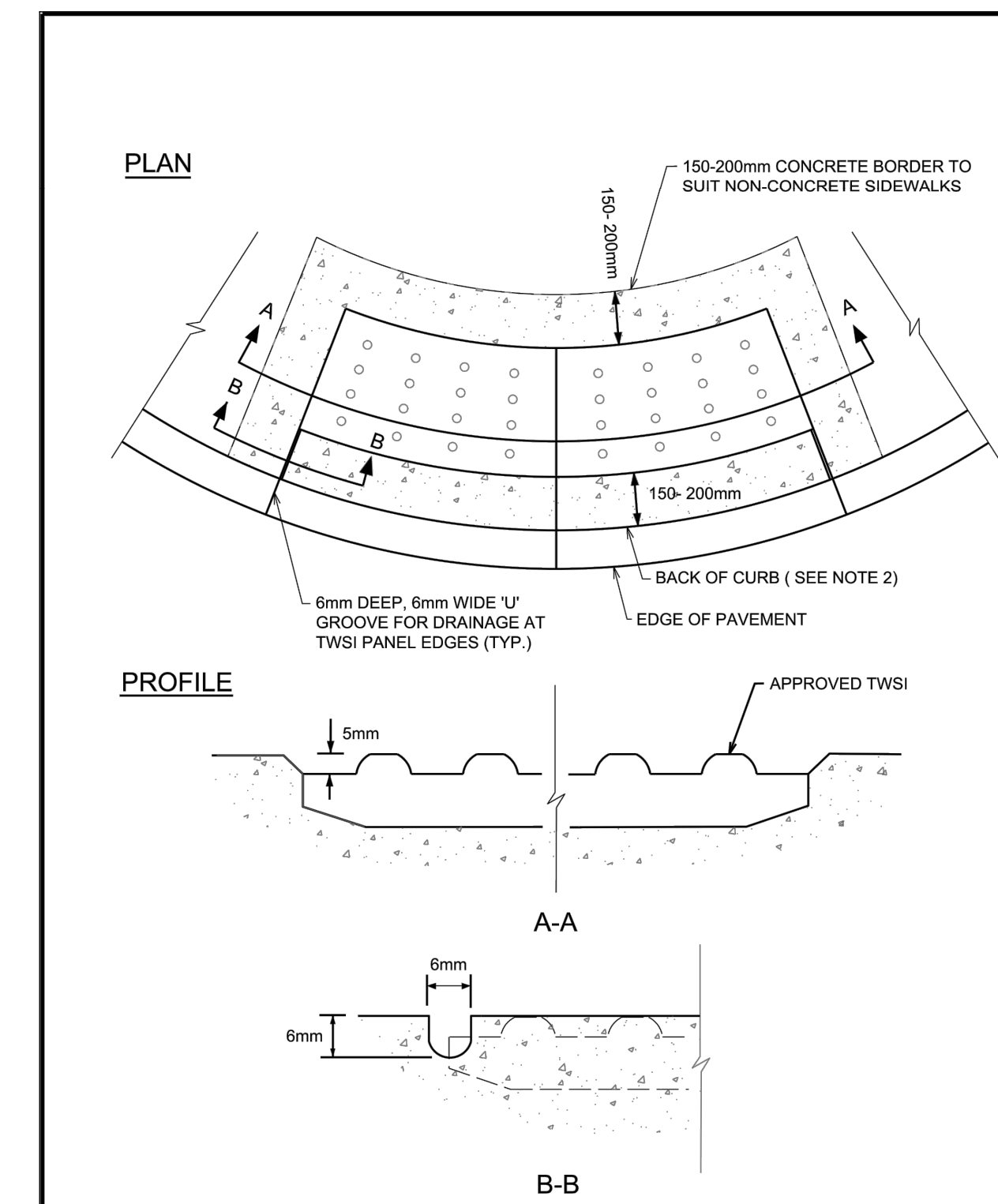


CONCRETE TRUCK WHEEL STOP

- NOTES:**
- CONCRETE WHEEL STOPS TO BE PAINTED SAFETY YELLOW.
 - WHEEL STOPS ARE NOT REQUIRED AT DOCK DOOR LOCATIONS THAT HAVE DOCK SEAL/CURB SYSTEMS.
 - IF PARKING SLIP CURB IS 8-IN OR HIGHER WITH STANDOFF DISTANCE OF 8-FT OR MORE FROM OBJECTS SUCH AS FENCES THEN WHEEL STOPS ARE NOT REQUIRED.



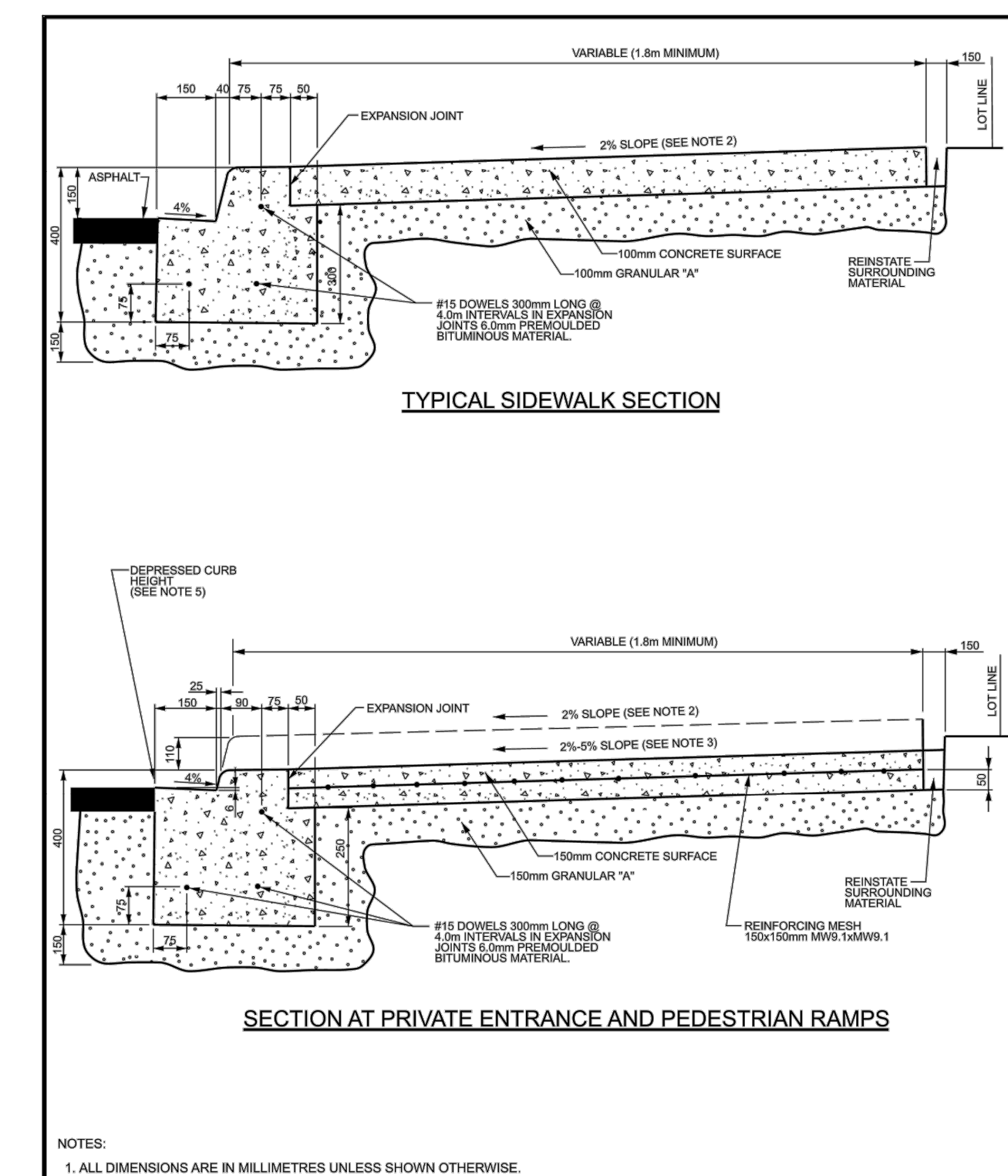
SPEED BUMP DETAIL
SCALE = N.T.S.



- NOTES:**
- TOPS OF TWSI'S (TACTILE WALKING SURFACE INDICATOR) SHALL BE ALIGNED & LEVEL WITH THE ADJACENT CONCRETE SURFACE & INSTALLATION IN WET CONCRETE SHALL BE EFFECTIVE IN PERMANENTLY SECURING THE TWSI IN PLACE ONCE DRY.
 - FOR MONOLITHIC SIDEWALKS, TWSI SHALL BE 300 TO 350mm BACK FROM THE CURB FACE.

N.T.S.

Ottawa	TWSI DETAIL	DATE: MARCH 2015
		REV. DATE: MARCH 2016
		DWG. No.: SC7.3

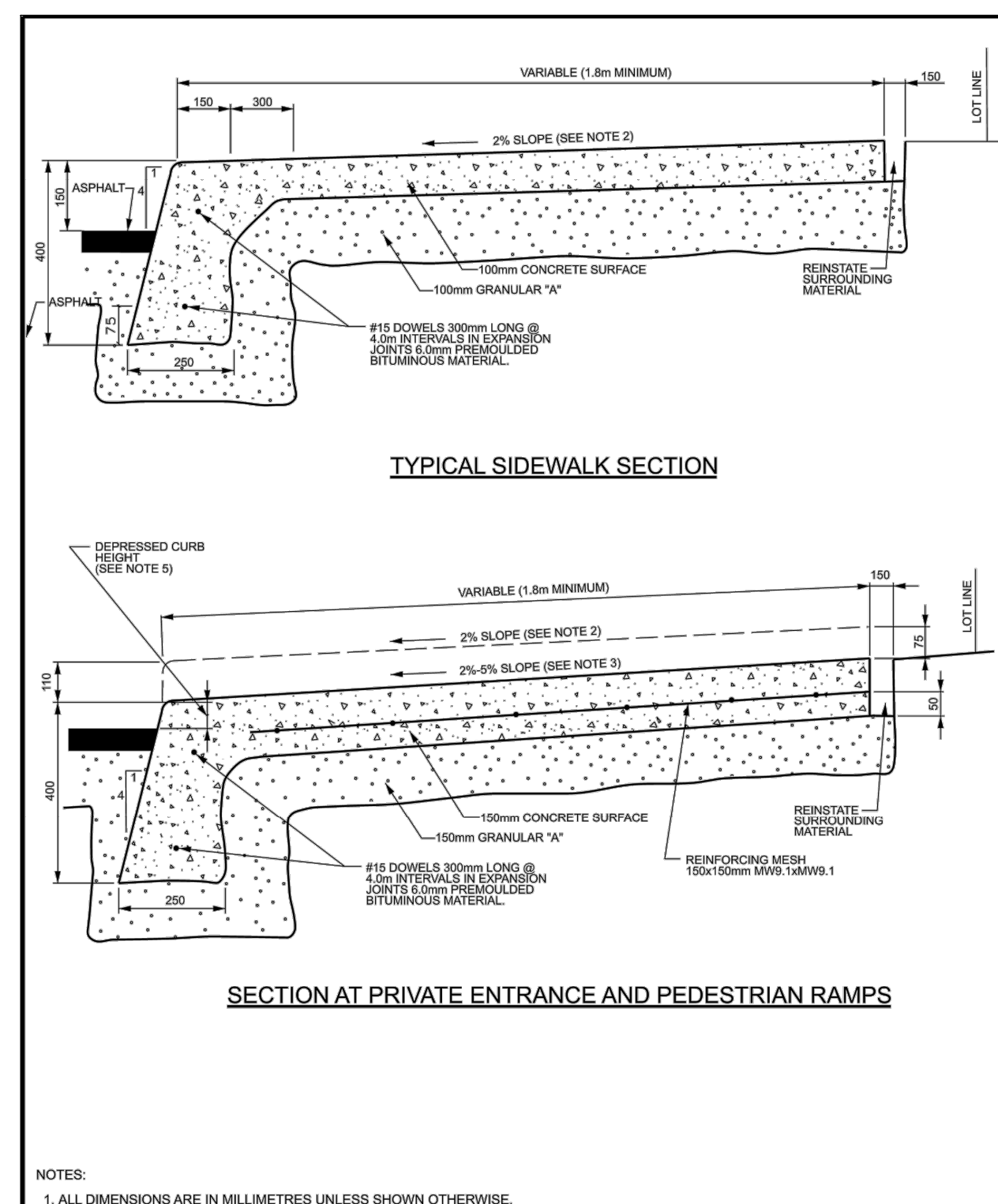


NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
- FOR CURB RAMP, SLOPE OF 2% TO 5% MAXIMUM 6%.
- EXPANSION AND DUMMY JOINTS AS PER SC3.
- DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

Ottawa	CONCRETE CURB AND GUTTER WITH SIDEWALK	DATE: MAY 2001
		REV. DATE: MAY 2021
		DWG. No.: SC3



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
- FOR CURB RAMP, SLOPE OF 2% TO 5% MAXIMUM 6%.
- EXPANSION AND DUMMY JOINTS AS PER SC3.
- DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMP 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

Ottawa	MONOLITHIC CONCRETE CURB AND SIDEWALK	DATE: MAY 2001
		REV. DATE: MAY 2021
		DWG. No.: SC2

NOTE:
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5	PHASE 2 PERMIT - SUPERSTRUCTURE AND ENVELOPE	JAN 15/25	MJH
4	REVISED PER CITY COMMENTS	DEC 11/24	MJH
3	ISSUED FOR RFP TENDER SET (60%)	NOV 21/24	MJH
2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

SCALE

AS SHOWN

DESIGN

ISSUED	MJH / RJK
CHECKED	MJH
DRAWN	RJK
CHECKED	MJH
APPROVED	MJH



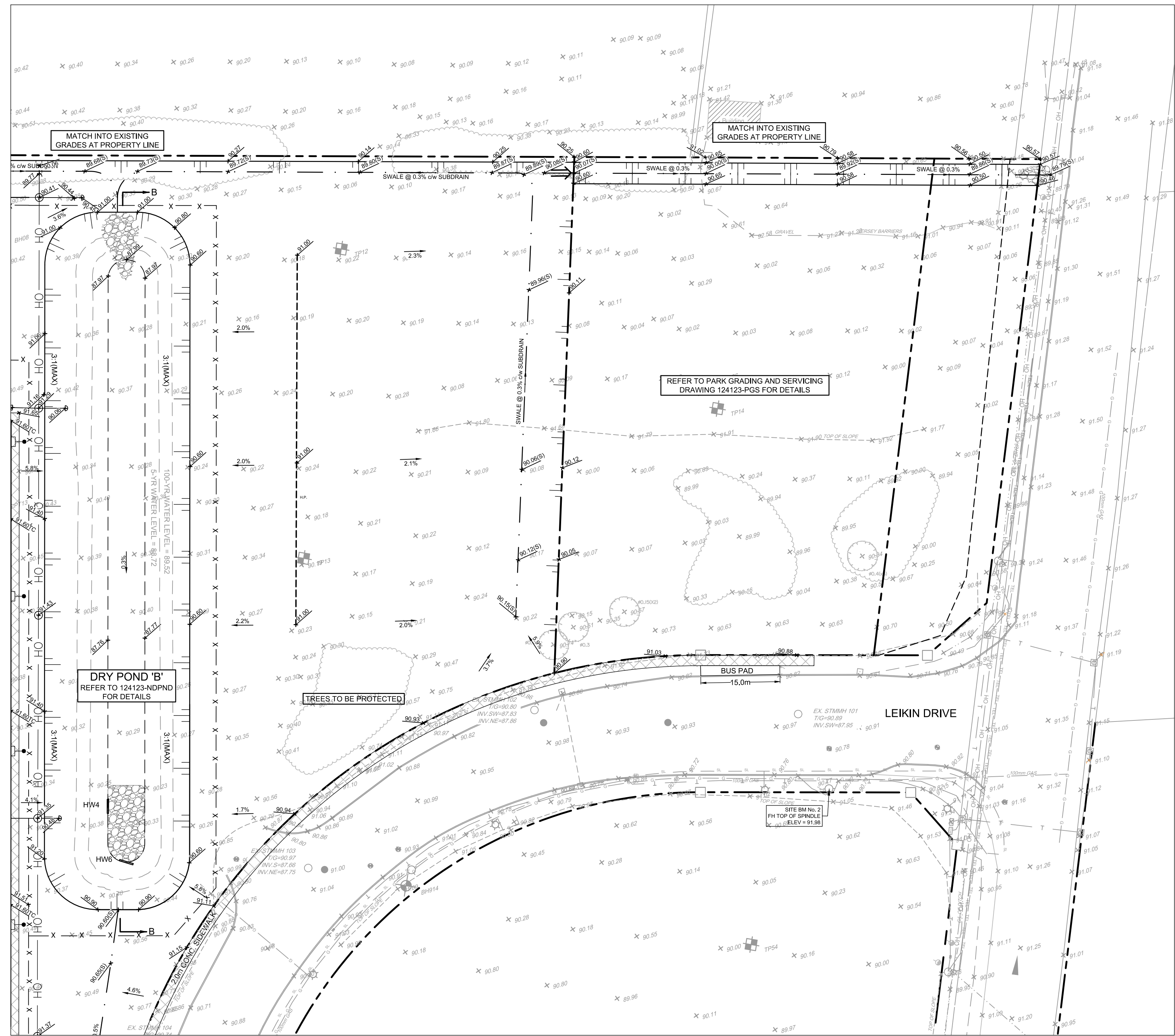
NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKN DRIVE	PROJECT No.: 124123
DRAWING NAME NOTES AND DETAILS GRADING	REV #7
	DRAWING No.: 124123-NDGR

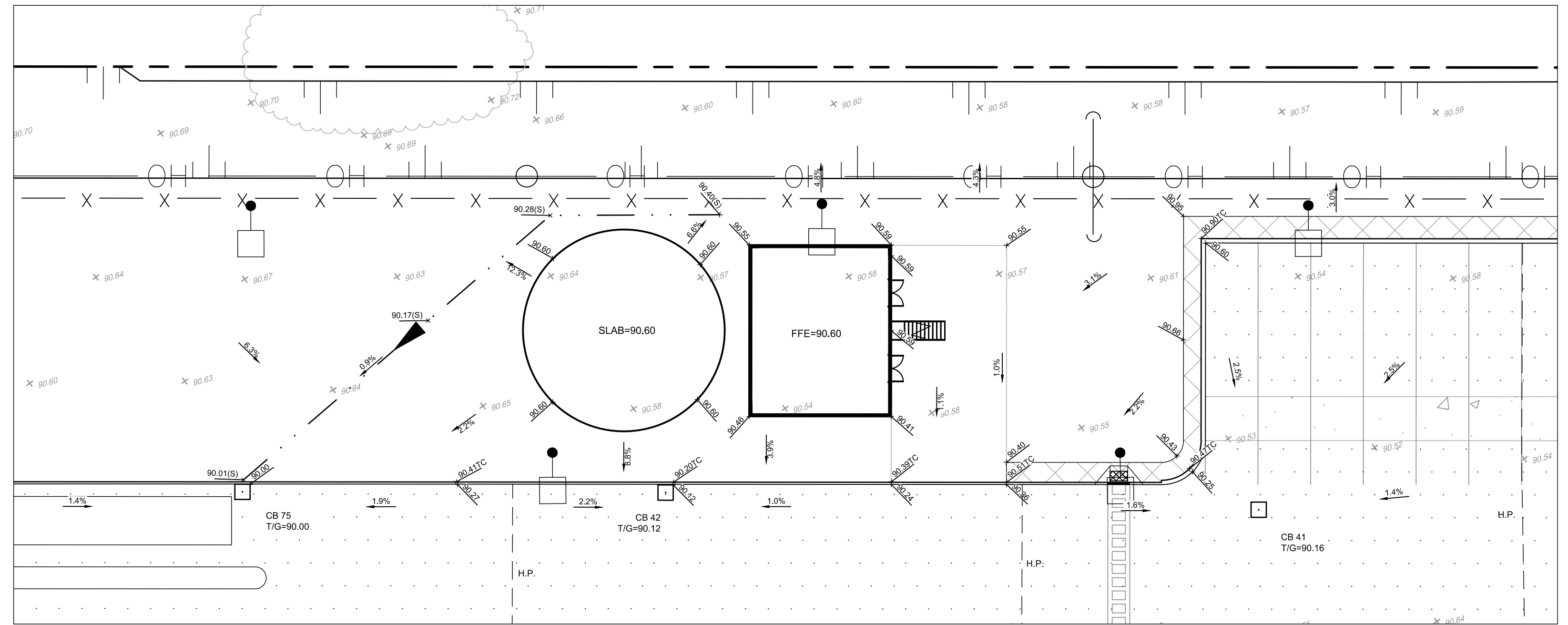
APPROVED
By Lily Xu at 8:16 am, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

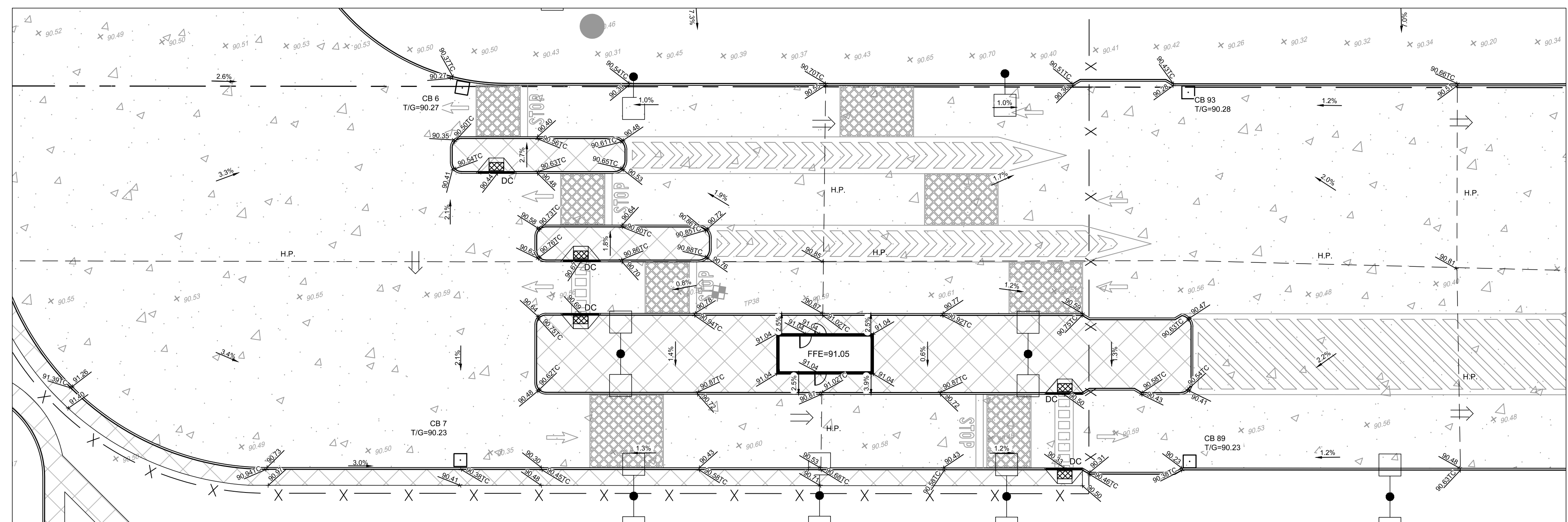
LEGEND	
	PROPERTY LINE
	PROPOSED ELEVATION
	EXISTING ELEVATION
	PROPOSED TOP OF CURB ELEVATION
	PROPOSED SWALE ELEVATION
	DIRECTION OF MAJOR OVERLAND FLOW
	PROPOSED STORM MANHOLE
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED CATCHBASIN
	PROPOSED FIRE HYDRANT
	PROPOSED VALVE AND VALVE BOX
	PROPOSED POST INDICATOR VALVE
	PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
	PROPOSED HIGH POINT
	PROPOSED CURB
	PROPOSED DEPRESSED CURB
	PROPOSED BITUMINOUS CONCRETE SPEED BUMP
	PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
	PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR
	TACTILE WALKING SURFACE INDICATOR (TWSI) PER OPSP 310.039
	SWALE AND DIRECTION OF FLOW
	TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
	SLOPE AND DIRECTION
	PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)
	EXISTING UTILITY POLE CW GUY WIRES AND ANCHOR
	EXISTING VALVE & VALVE CHAMBER
	EXISTING HYDRANT
	EXISTING SANITARY MANHOLE
	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	EXISTING LIGHT STANDARD
	EXISTING FENCE



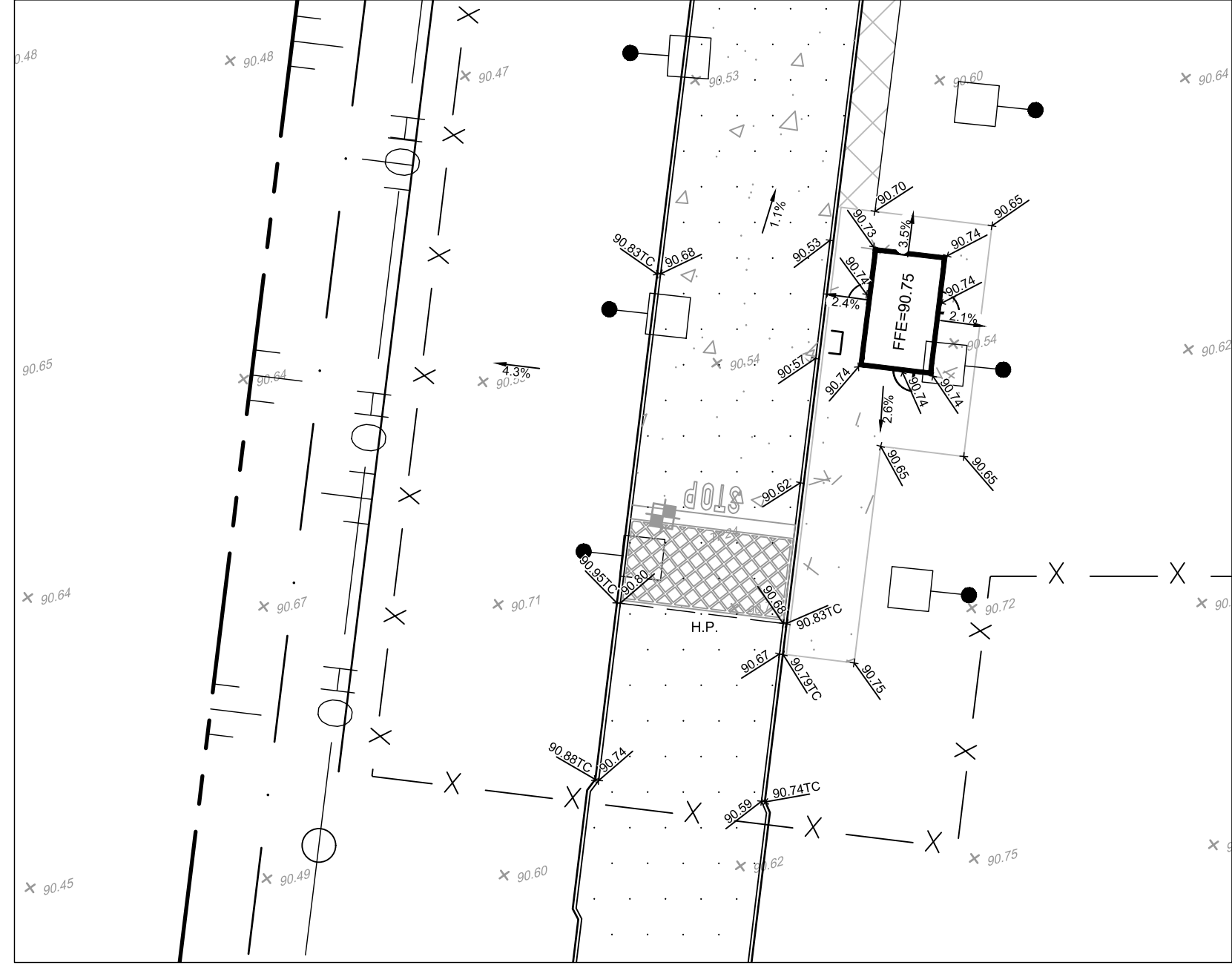
OPEN SPACE GRADING
SCALE 1:500



PUMPHOUSE / WATER TANK GRADING
SCALE 1:500



MAIN GUARDHOUSE GRADING
SCALE 1:250



SECONDARY GUARDHOUSE GRADING
SCALE 1:250

NOTE:
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SCALE		DESIGN
	AS NOTED	MJH / RJK
		CHECKED MJH
		DRAWN RJK
		CHECKED MJH
		APPROVED MJH

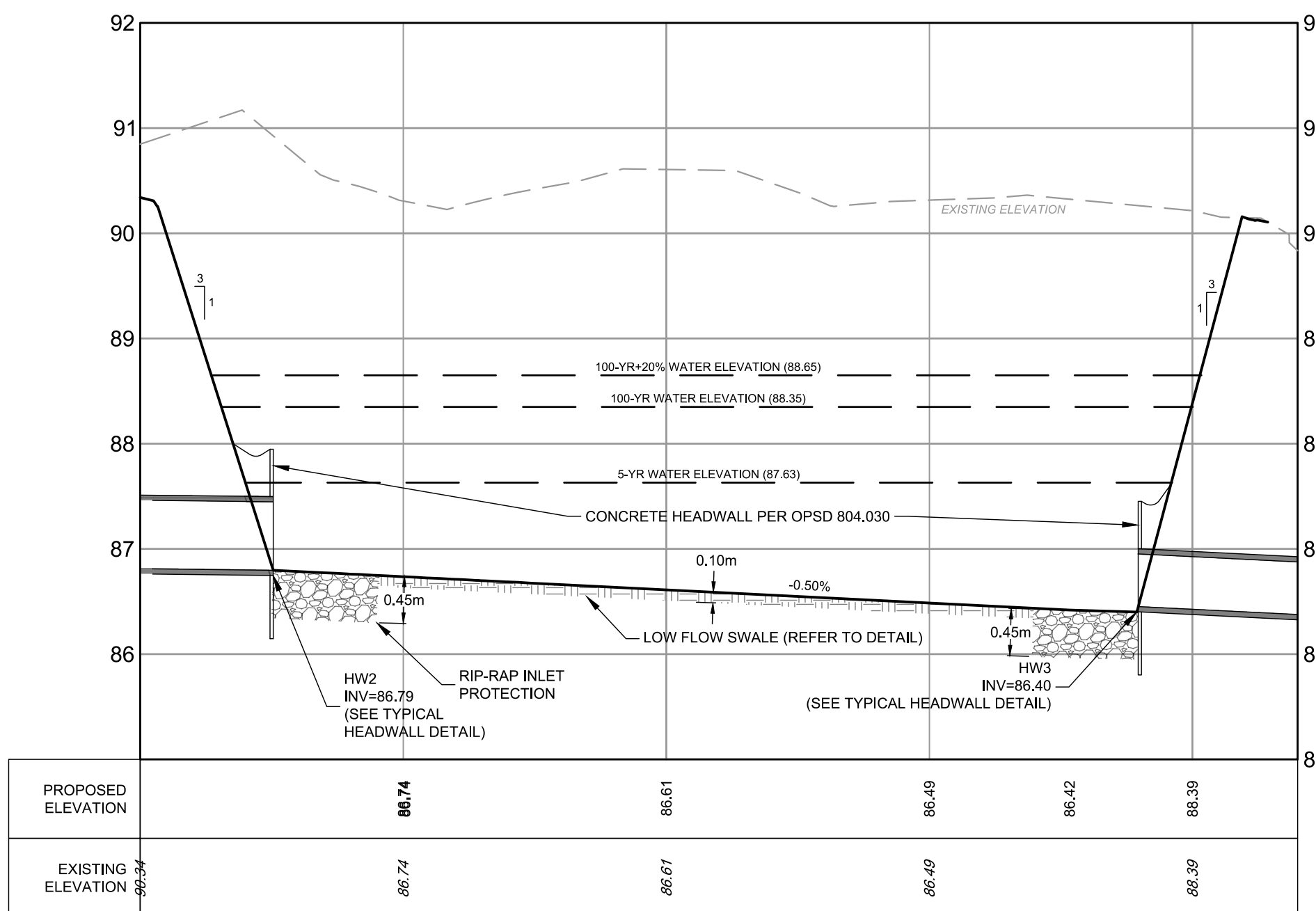
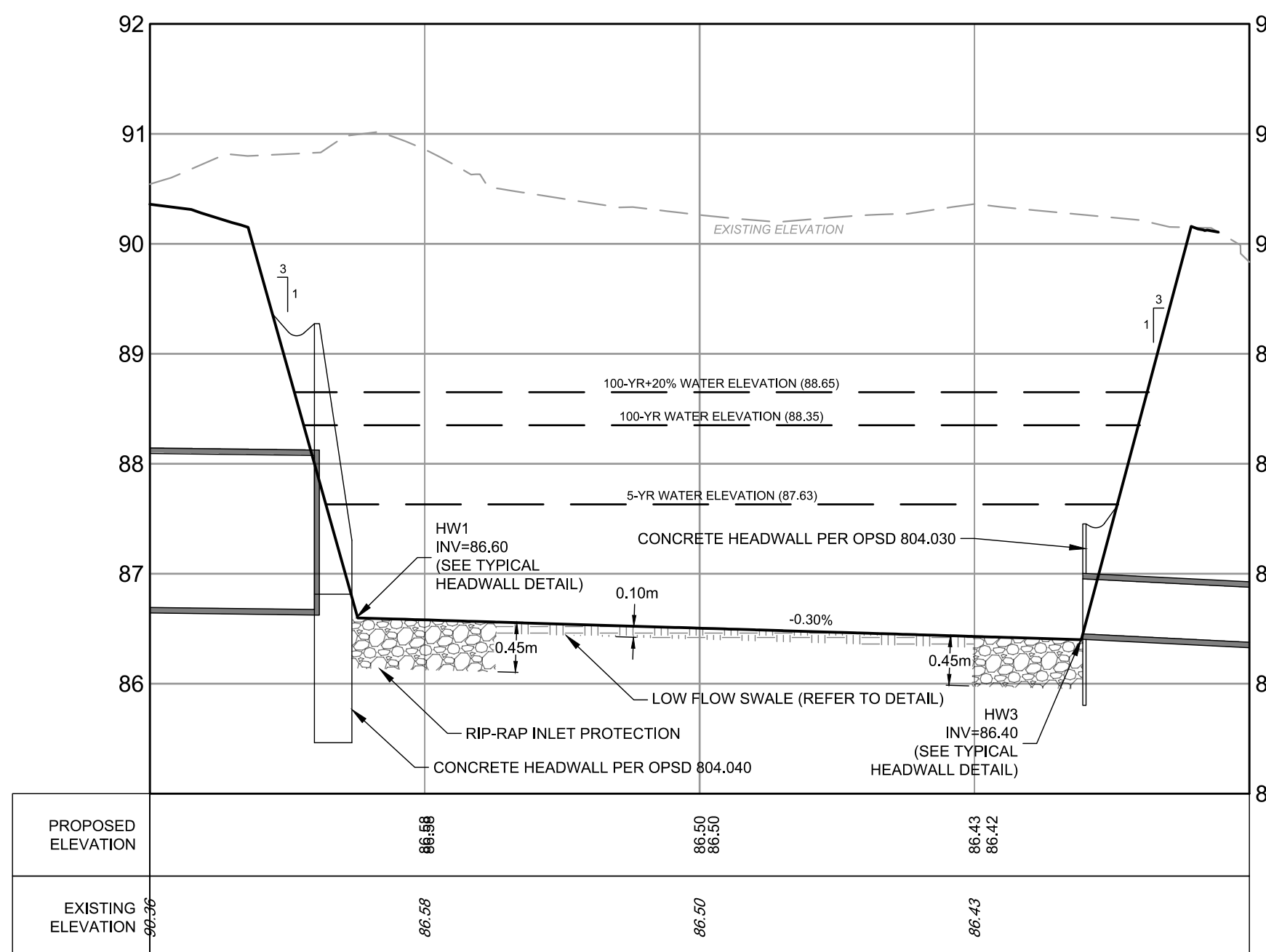


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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

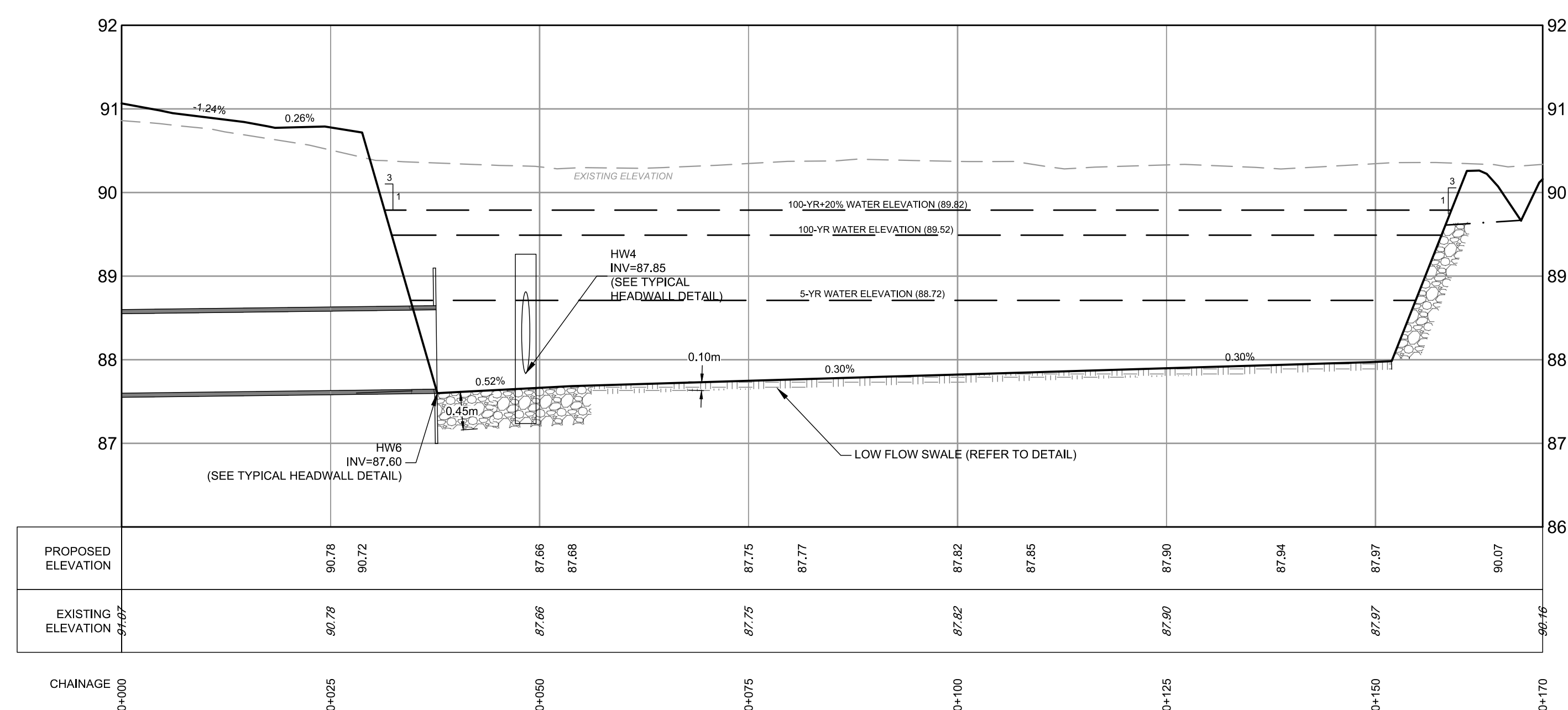
DRAWING NAME
NOTES AND DETAILS
GRADING

PROJECT NO.	REV	REV #	DRAWING NO.
124123		7	124123-NDGR2
			124123-NDGR2

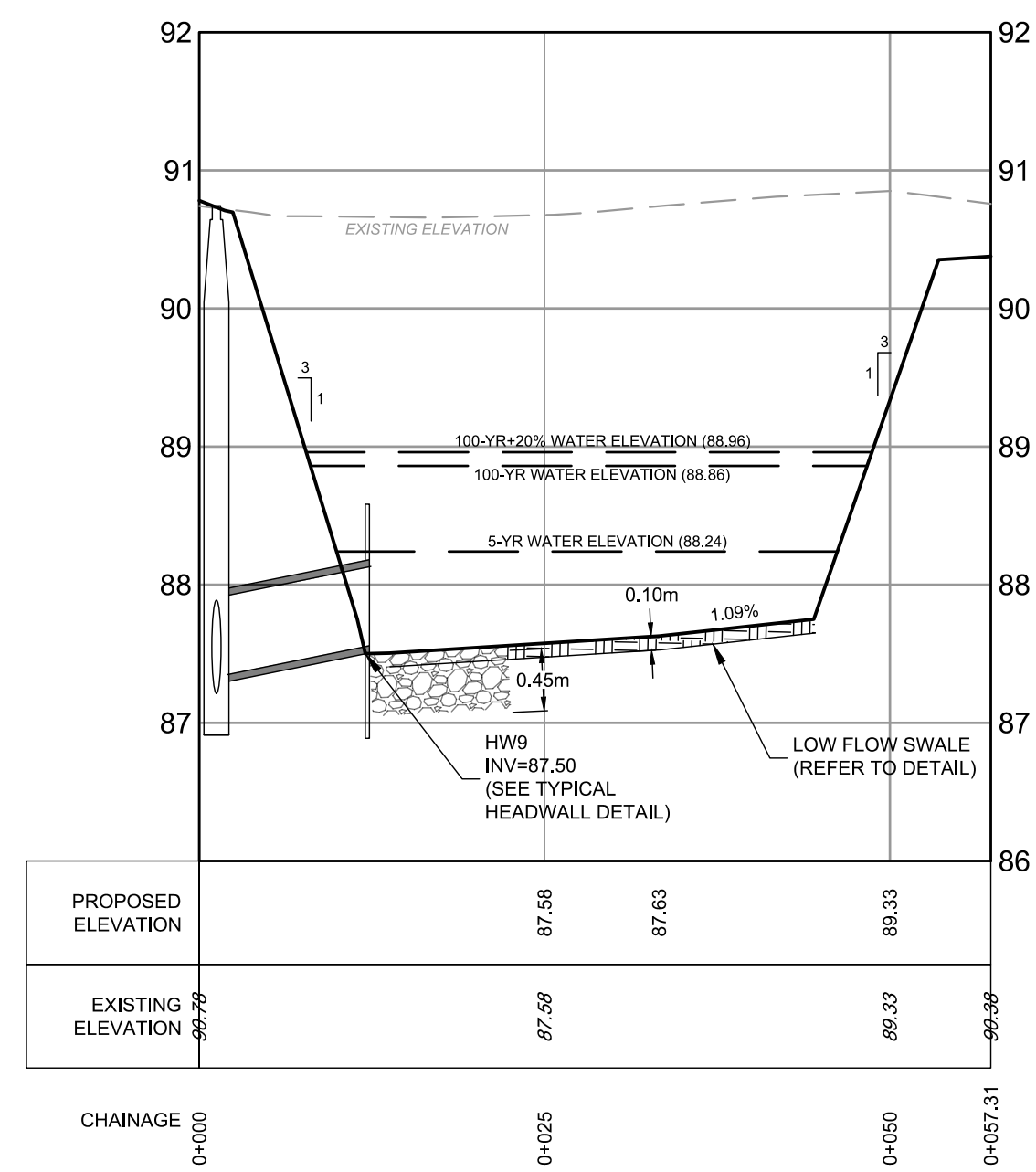


DRY POND A CROSS SECTION DETAIL A-A
SCALE: 1:500 HORIZONTAL
1:50 VERTICAL

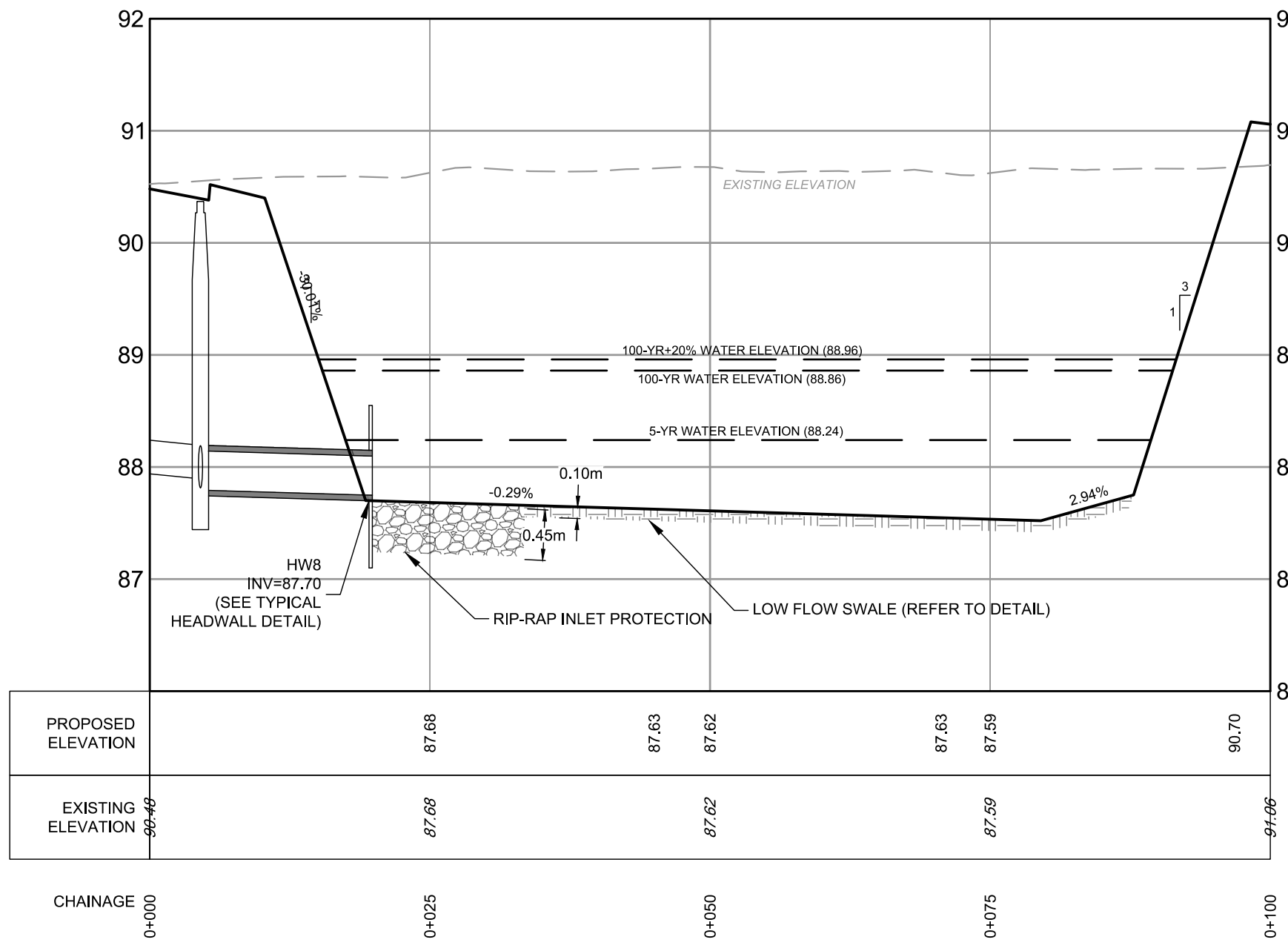
DRY POND C CROSS SECTION DETAIL A1-A1
SCALE: 1:500 HORIZONTAL
1:50 VERTICAL



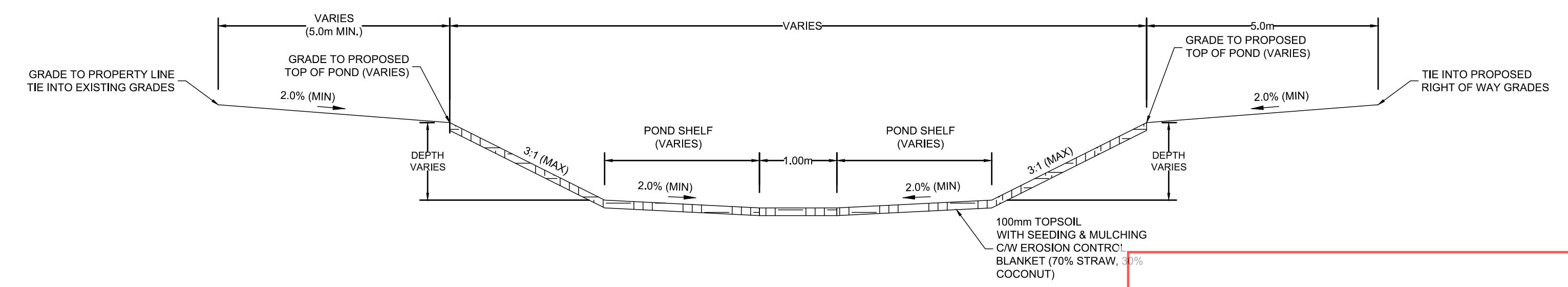
DRY POND B CROSS SECTION DETAIL B-B
SCALE: 1:500 HORIZONTAL
1:50 VERTICAL



DRY POND A CROSS SECTION DETAIL C-C
SCALE: 1:500 HORIZONTAL
1:50 VERTICAL

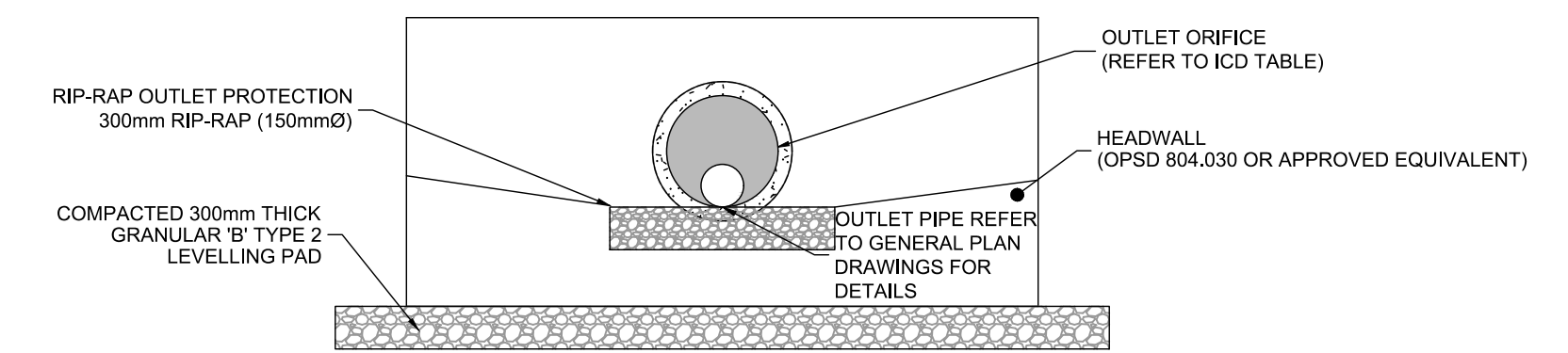
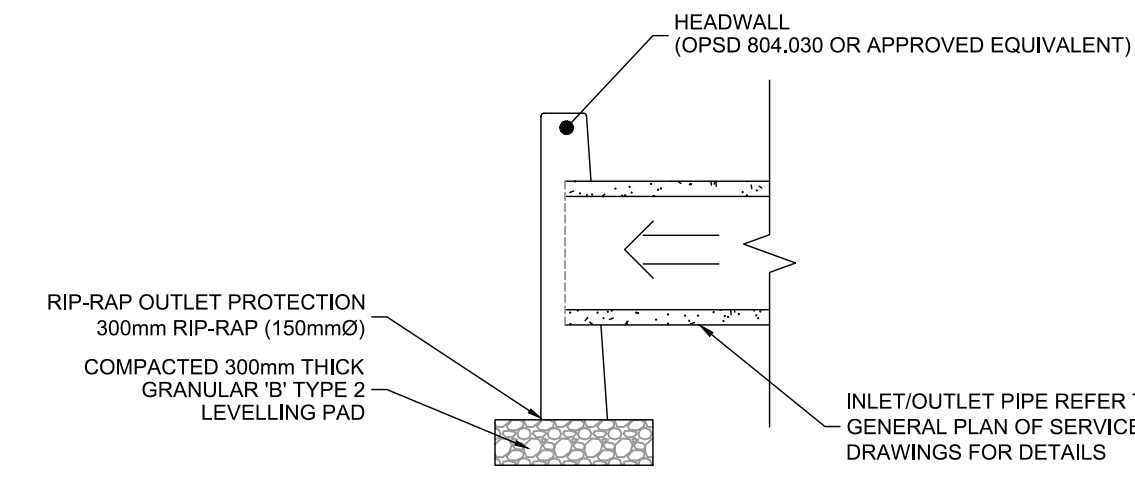


DRY POND C CROSS SECTION DETAIL C1-C1
SCALE: 1:500 HORIZONTAL
1:50 VERTICAL



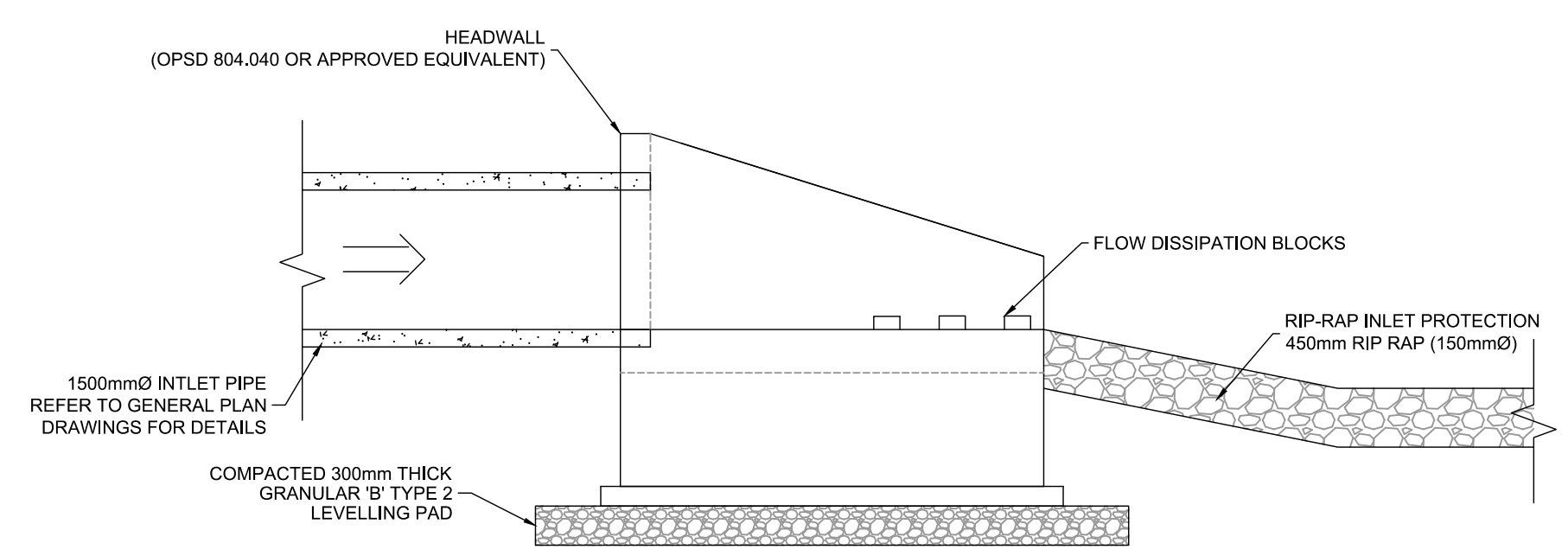
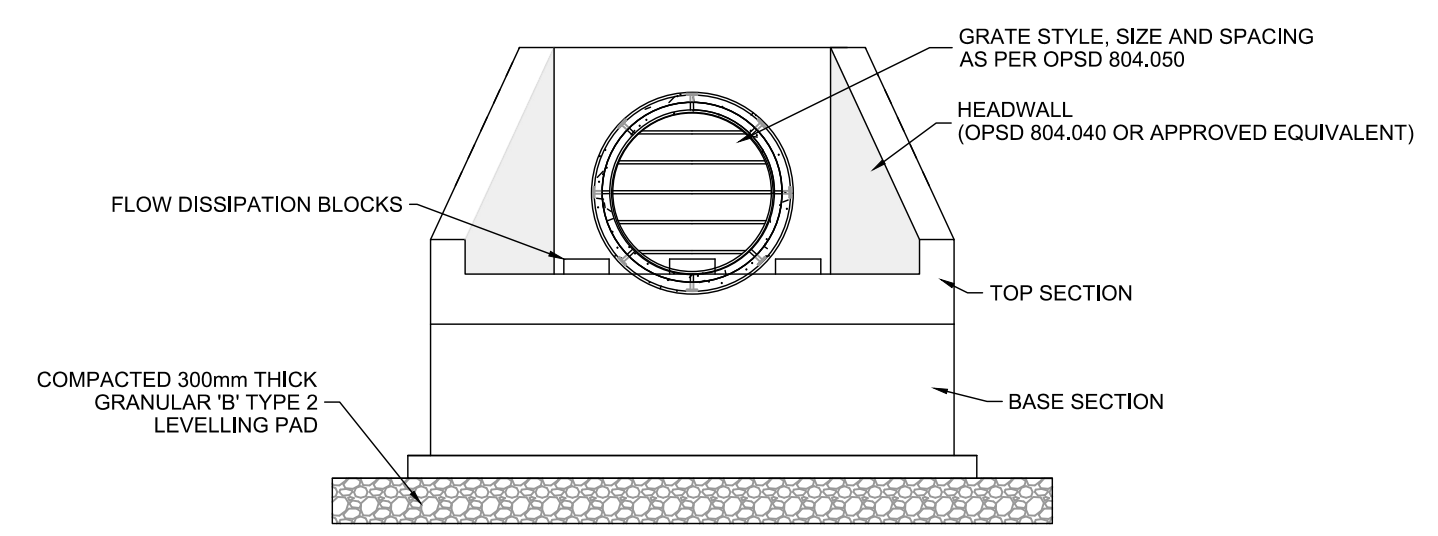
APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA



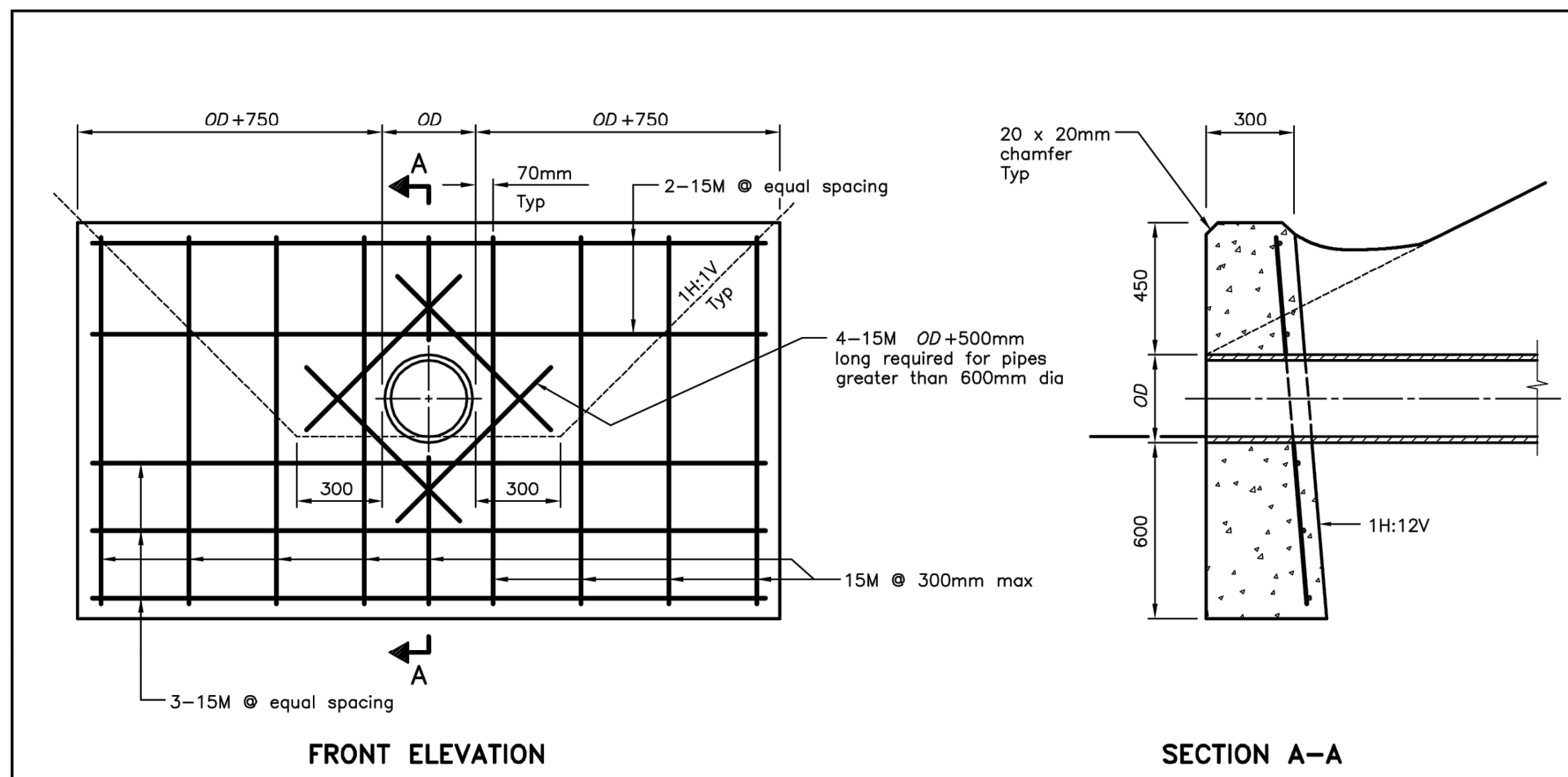
TYPICAL POND INLET/OUTLET HEADWALL DETAIL - PROFILE
SCALE: N.T.S.

TYPICAL POND INLET/OUTLET HEADWALL DETAIL - ELEVATION
SCALE: N.T.S.



POND INLET HEADWALL (HW1) DETAIL - ELEVATION
SCALE: N.T.S.

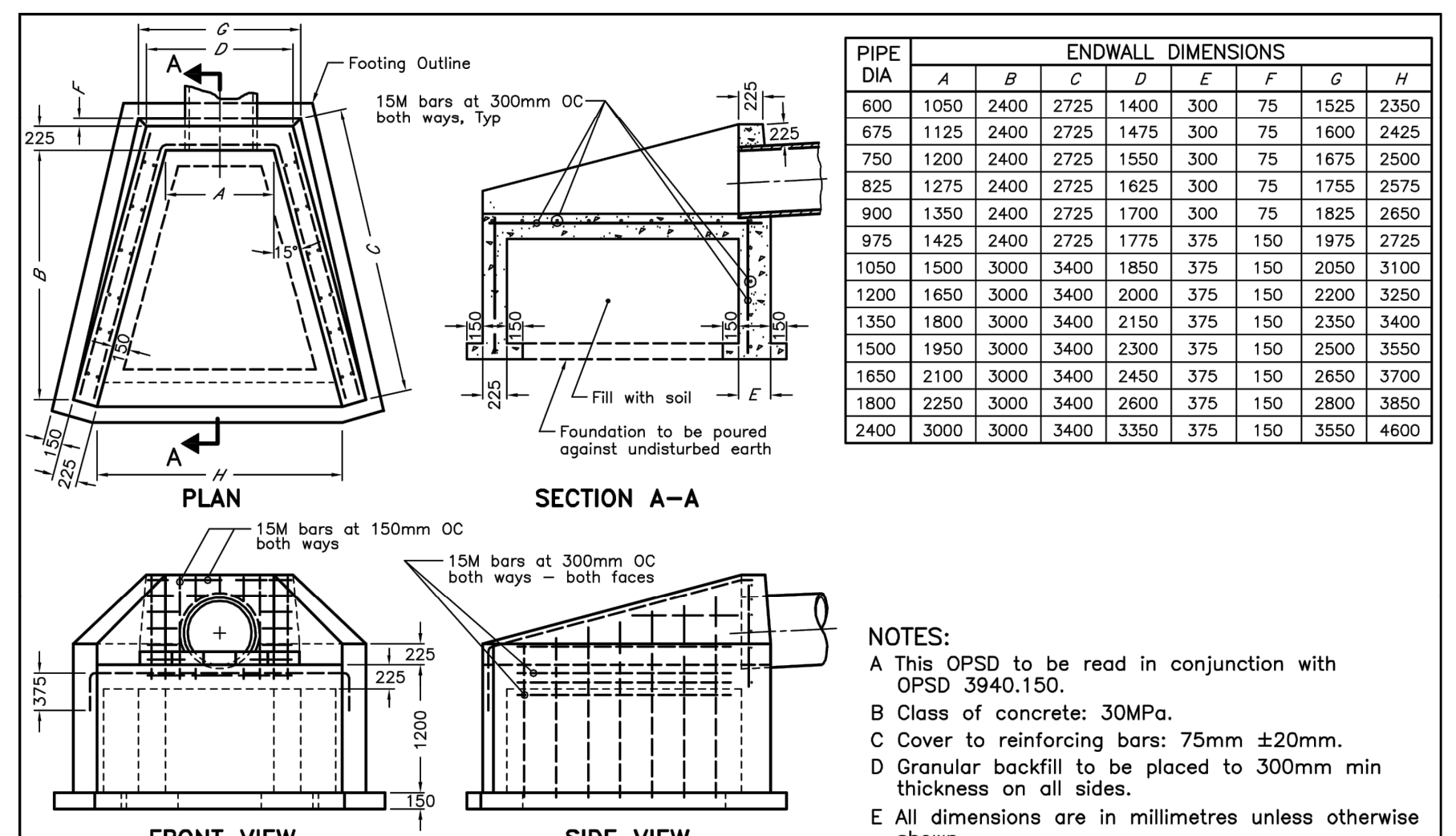
POND INLET HEADWALL (HW1) - PROFILE
SCALE: N.T.S.



LEGEND:
OD = Outside diameter of pipe

NOTES:
A This OPSD is to be read in conjunction with OPSD 3940.150.
B If a steel grate is required, refer to OPSD 804.05.
C Class of concrete: 30MPa.
D Cover to reinforcing bars: 70mm ± 20mm.
E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2017 Rev 2
CONCRETE HEADWALL
FOR PIPE LESS THAN 900mm DIAMETER
OPSD 804.030



PIPE ENDWALL DIMENSIONS

PIPE DIA	A	B	C	D	E	F	G	H
600	1050	2400	2725	1400	300	75	1525	2350
675	1125	2400	2725	1475	300	75	1600	2425
750	1200	2400	2725	1550	300	75	1675	2500
825	1275	2400	2725	1625	300	75	1750	2575
900	1350	2400	2725	1700	300	75	1825	2650
975	1425	2400	2725	1775	375	150	1875	2725
1050	1500	3000	3400	1850	375	150	2050	3100
1200	1650	3000	3400	2000	375	150	2200	3250
1350	1800	3000	3400	2150	375	150	2350	3400
1500	1950	3000	3400	2300	375	150	2500	3550
1650	2100	3000	3400	2450	375	150	2650	3700
1800	2250	3000	3400	2600	375	150	2800	3850
2400	3000	3000	3400	3350	375	150	3550	4600

NOTES:
A This OPSD is to be read in conjunction with OPSD 3940.150.
B Class of concrete: 30MPa.
C Cover to reinforcing bars: 75mm ± 20mm.
D Grout backfill to be placed to 300mm min thickness on all sides.
E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2017 Rev 1
CONCRETE HEADWALL
FOR SEWER OR CULVERT PIPE OUTLET
OPSD 804.040

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SCALE	DESIGN	CHECKED	DRAWN	APPROVED
AS SHOWN	MJH / RJK	MJH	RJK	MJH



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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

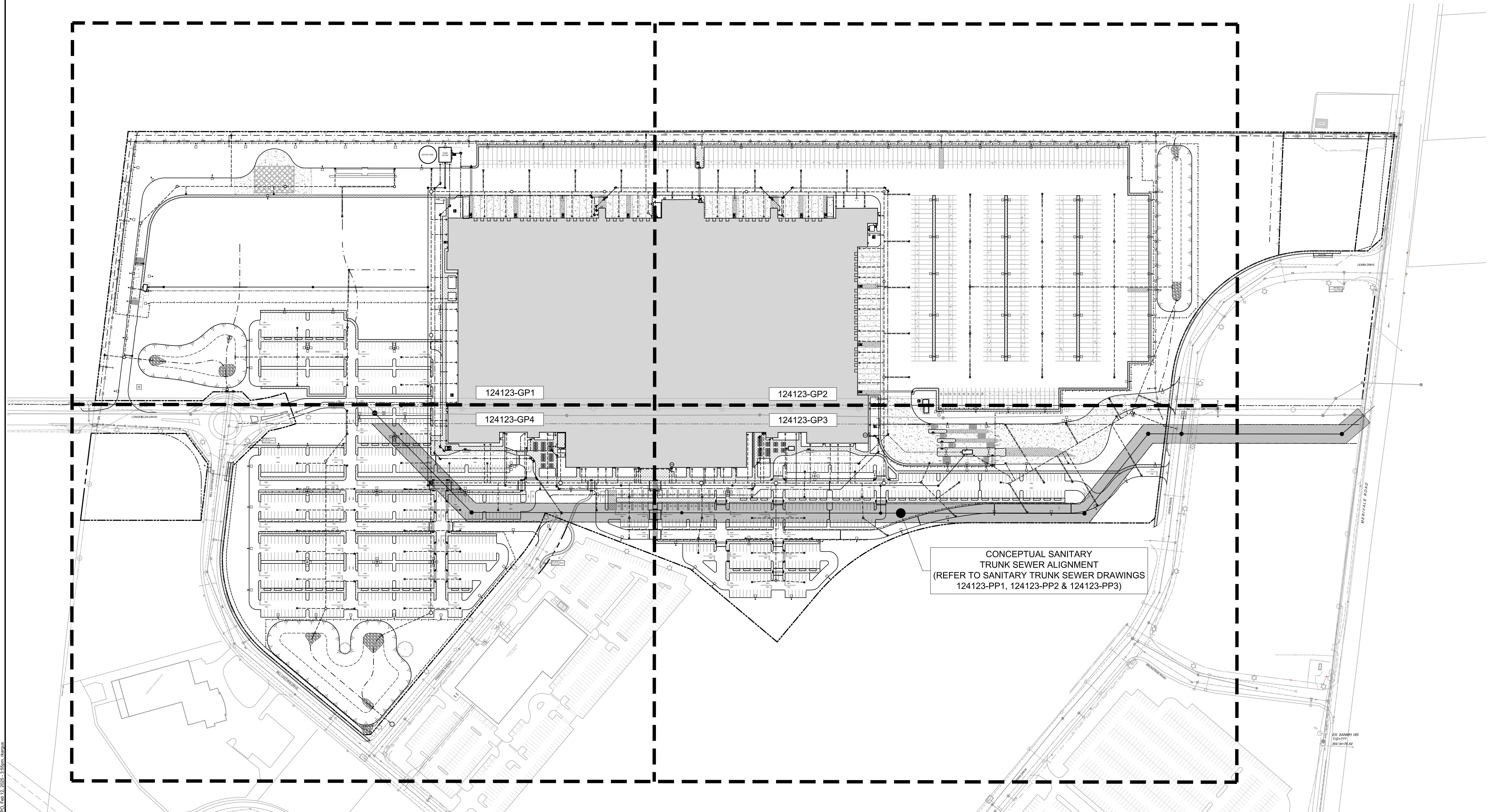
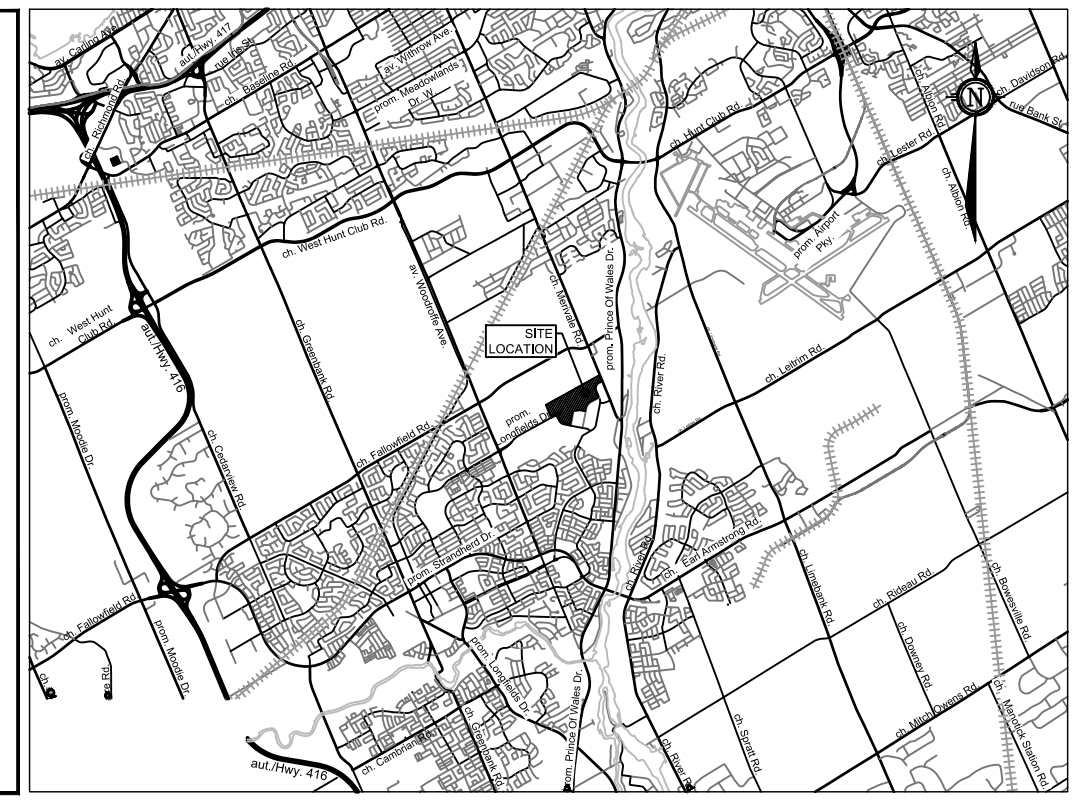
DRAWING NAME
NOTES AND DETAILS
PONDS

PROJECT NO.: 124123
REV # 7
DRAWING NO.: 124123-NPND
PLAN # 19192

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

NORTH

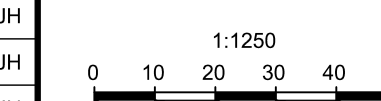


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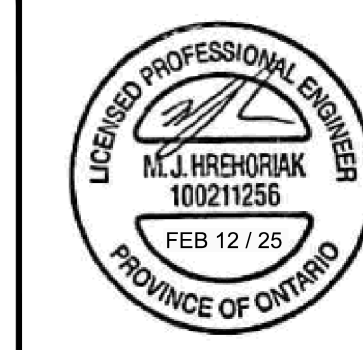
NO.	REVISION	DATE	BY
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SCALE

1:1250



DESIGN	MJH / RJK
CHECKED	MJH
DRAWN	RJK
CHECKED	MJH
APPROVED	MJH



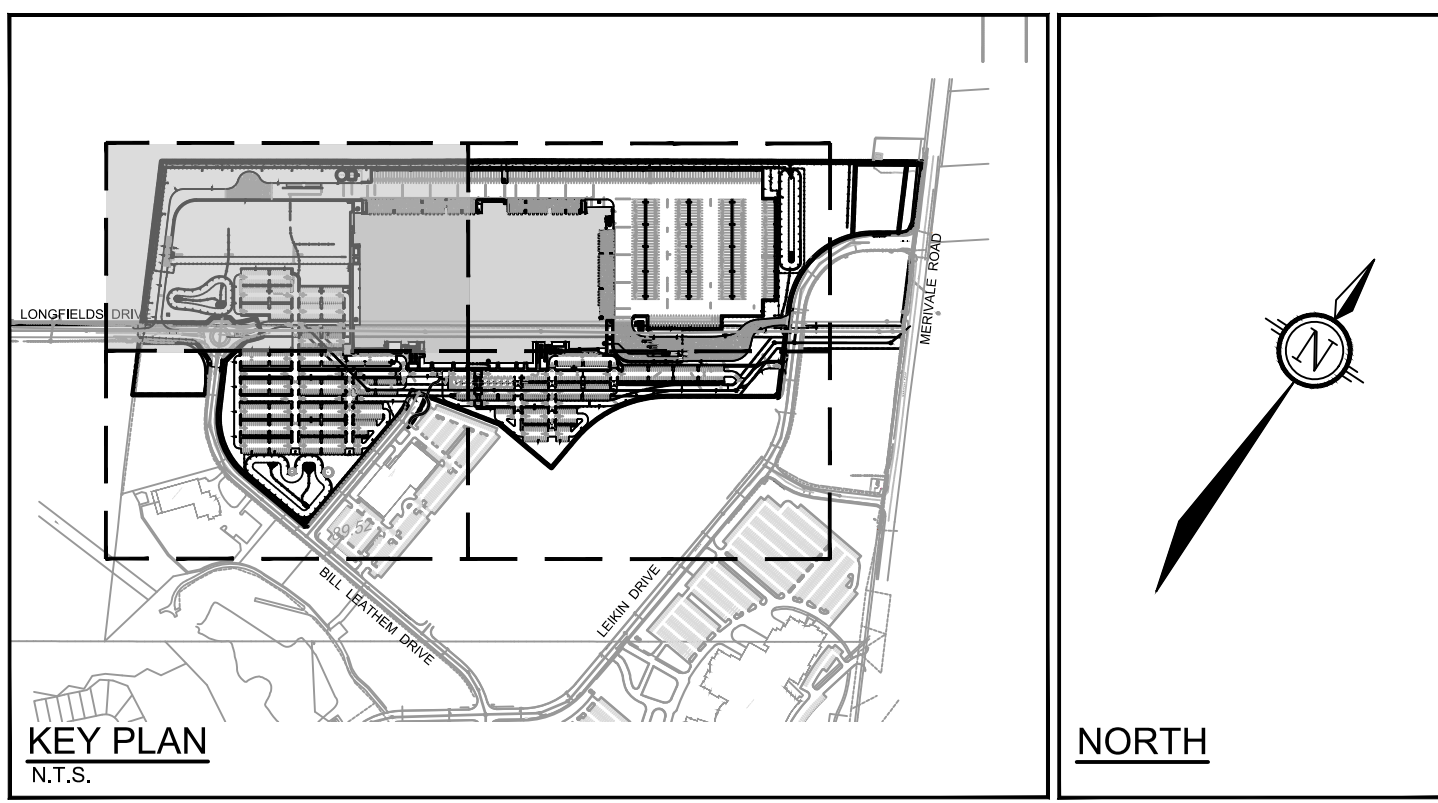
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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
GENERAL PLAN OF SERVICES
OVERALL

PROJECT NO.	124123
REV	REV # 7
DRAWING NO.	124123-GPO

PLAN # 19192

D07-12-24-0139

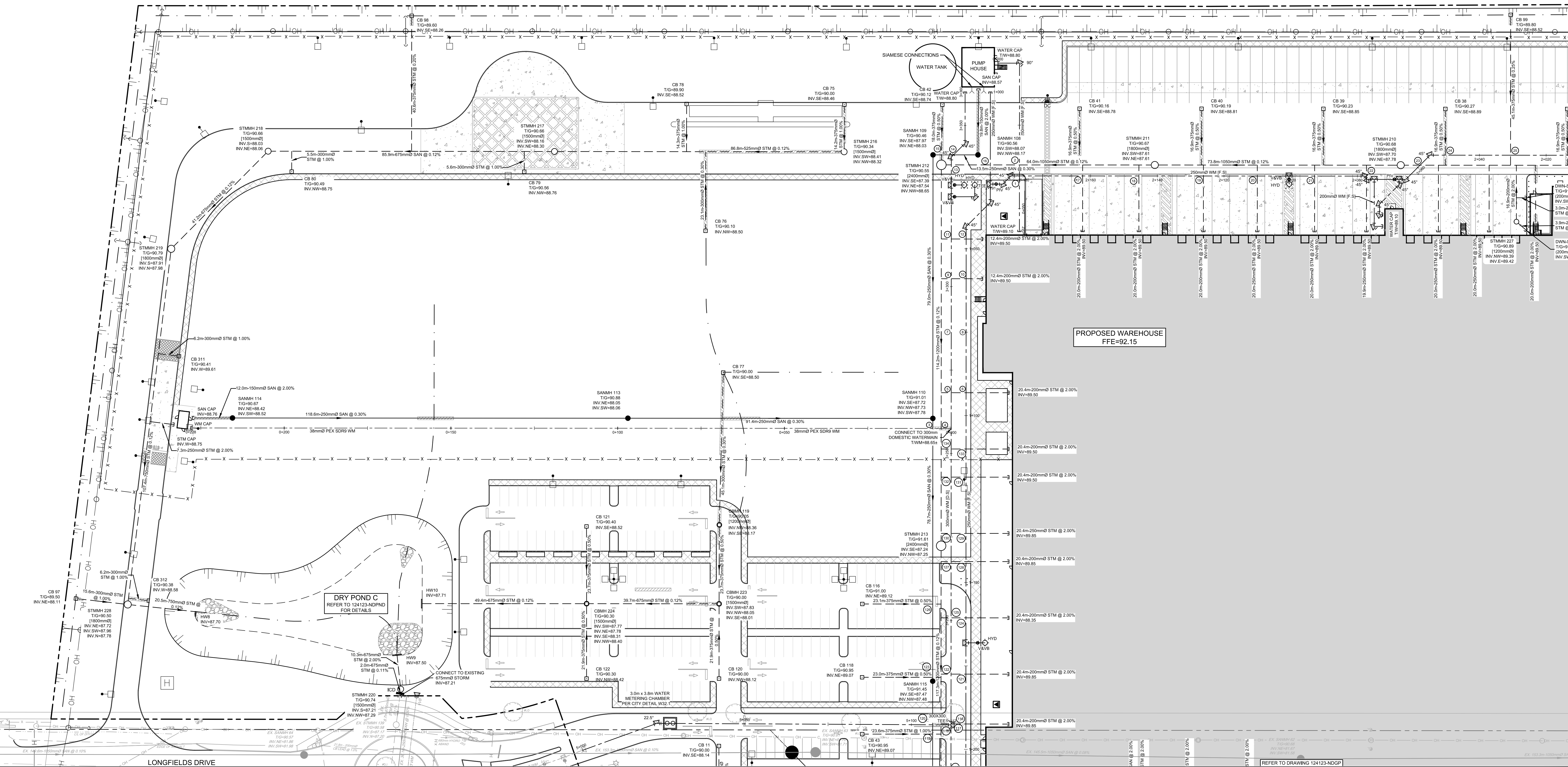


LEGEND

	PROPERTY LINE		PROPOSED INSULATION OVER SEWER / WATERMAIN (REFER TO DETAIL ON 124123-NDGP)		EXISTING UTILITY POLE c/w GUY WIRES
	PROPOSED CURB		PROPOSED SIAMESE CONNECTION		EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
	PROPOSED DEPRESSED CURB		PROPOSED WATER SERVICE		EXISTING HYDRANT c/w VALVE & LEAD
	PROPOSED FLUSH CURB		PROPOSED WATER METER CHAMBER		EXISTING SANITARY MANHOLE & SEWER
	PROPOSED ASPHALT PATHWAY		PROPOSED HYDRANT c/w LEAD & VALVE		EXISTING STORM MANHOLE & SEWER
	PROPOSED CONCRETE TRUCK WHEEL STOP		PROPOSED VALVE AND VALVE BOX		EXISTING CATCHBASIN
	PROPOSED BITUMINOUS CONCRETE SPEED BUMP		PROPOSED POST INDICATOR VALVE		EXISTING GAS MAIN
	PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)		PROPOSED BUILDING ENTRANCE		EXISTING OVERHEAD WIRES
	TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL SCT.3		DIRECTION OF FLOW		EXISTING BELL LINE
	PROPOSED CAP		PROPOSED CHAIN LINK FENCE (REFER TO LANDSCAPE)		EXISTING TELECOMMUNICATIONS LINE
	PROPOSED SANITARY SERVICE c/w MANHOLE		PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)		EXISTING HYDRO
	PROPOSED STORM SEWER AND MANHOLE		PROPOSED POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)		EXISTING STREETLIGHT
	PROPOSED BOX MANHOLE		BOREHOLE LOCATION (REFER TO GEOTECH REPORT)		EXISTING PARKING LOT SIGNAGE
	PROPOSED CATCHBASIN MANHOLE		TEST PIT LOCATION (REFER TO GEOTECH REPORT)		
	PROPOSED CATCHBASIN		CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)		
	PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)				
	PROPOSED HEADWALL (OPSD 804.040) c/w GALVANIZED RAILING				
	PROPOSED INLET CONTROL DEVICE				
	PROPOSED REMOTE WATER METER				
	PROPOSED WATER METER				

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
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DEPARTMENT, CITY OF OTTAWA



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1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

SCALE

1:500

0 5 10 15 20

DESIGN	MJH / RJK
CHECKED	MJH
DRAWN	RJK
CHECKED	MJH
APPROVED	MJH



NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE	PROJECT NO. 124123
DRAWING NAME GENERAL PLAN OF SERVICES NORTH WESTERN QUADRANT	REV #7
DRAWING NO. 124123-GP1	DATE FEB 12/25

D07-12-24-0139

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

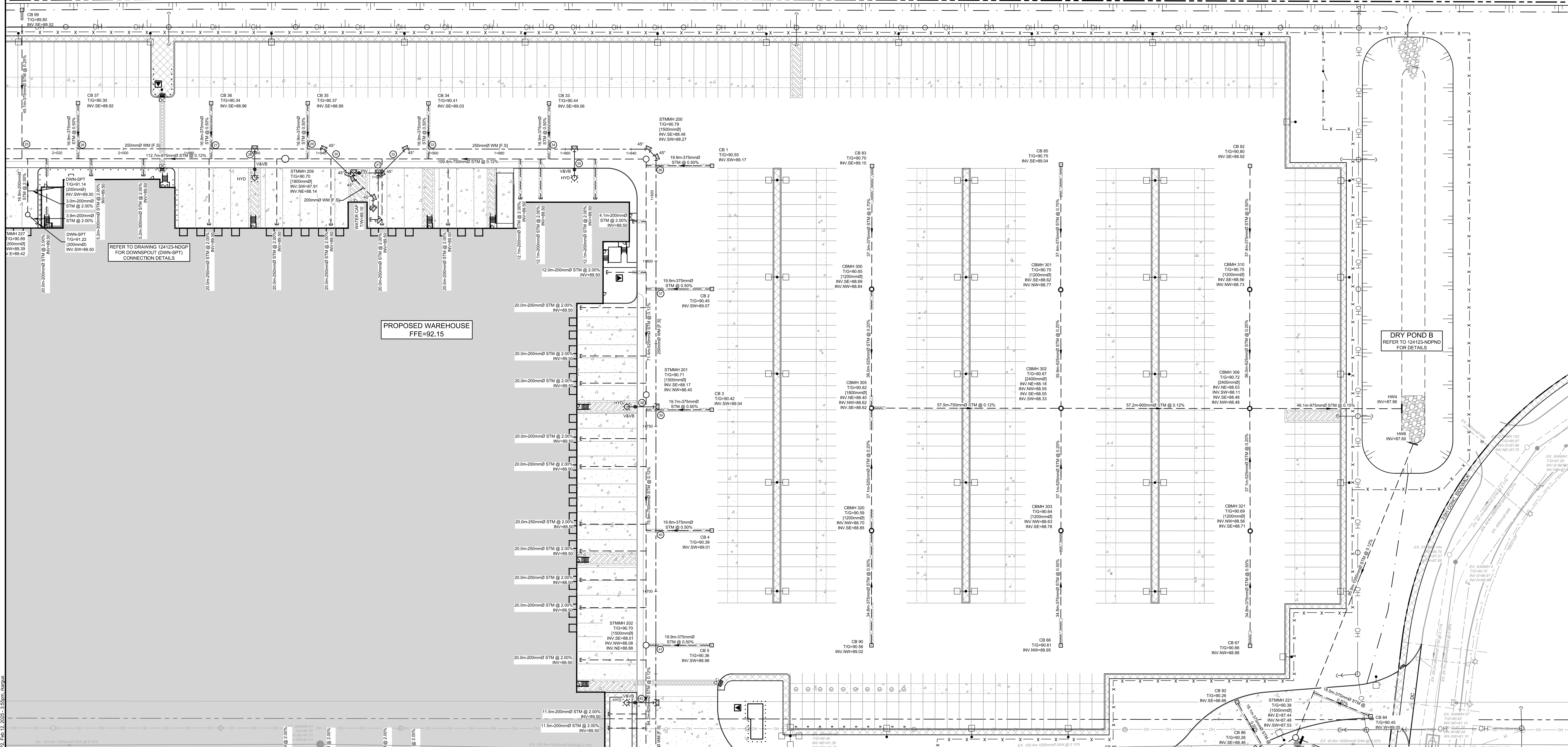
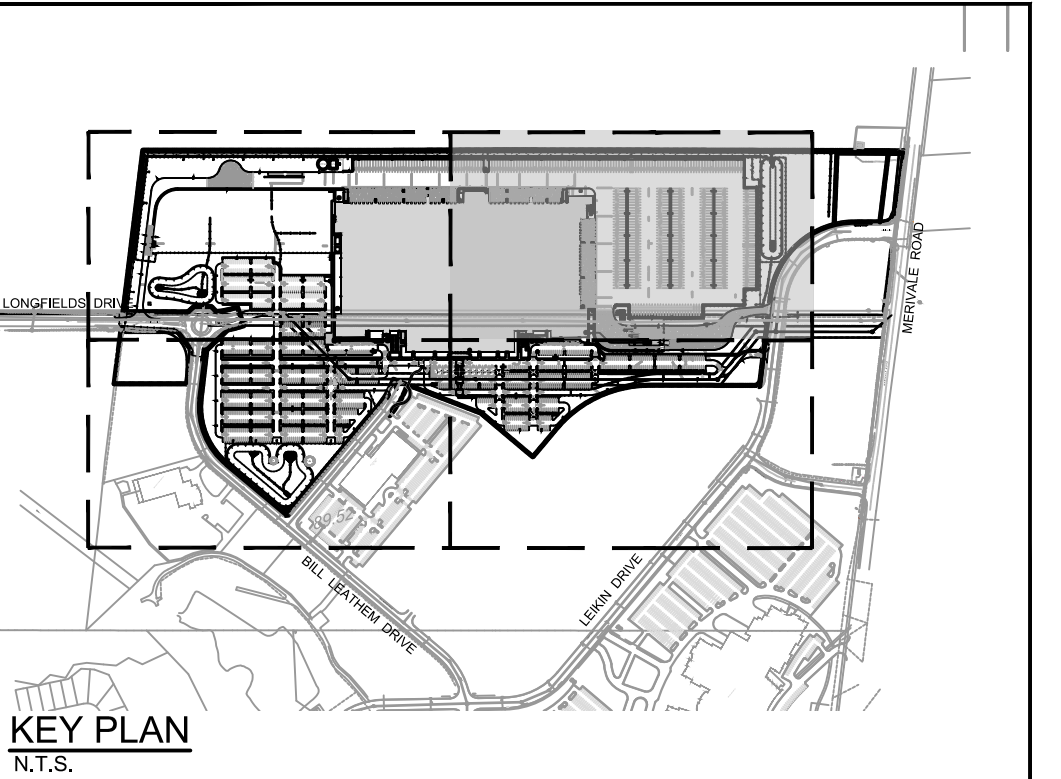
LEGEND

- PROPERTY LINE
- PROPOSED CURB
- DC — PROPOSED DEPRESSED CURB
- FC — PROPOSED FLUSH CURB
- PROPOSED ASPHALT PATHWAY
- PROPOSED CONCRETE TRUCK WHEEL STOP
- PROPOSED BITUMINOUS CONCRETE SPEED BUMP
- PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
- TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL SC7.3
- PROPOSED CAP
- PROPOSED SANITARY SERVICE c/w MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED BOX MANHOLE
- PROPOSED CAMERA/ SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
- PROPOSED CATCH-BASIN
- PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWGS. 124123-NDGP)
- PROPOSED HEADWALL (OPSD 804.040) C/W GALVANIZED RAILING
- PROPOSED INLET CONTROL DEVICE
- PROPOSED REMOTE WATER METER
- PROPOSED WATER METER
- PROPOSED INSULATION OVER SEWER / WATERMAIN (REFER TO DETAIL ON 124123-NDGP)
- PROPOSED SIAMSESE CONNECTION
- PROPOSED WATER SERVICE
- PROPOSED WATER METER CHAMBER
- PROPOSED HYDRANT c/w LEAD & VALVE
- V&V — PROPOSED VALVE AND VALVE BOX
- PIV — PROPOSED POST INDICATOR VALVE
- — PROPOSED BUILDING ENTRANCE
- — DIRECTION OF FLOW
- — PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
- — PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
- — PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
- — PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
- — PROPOSED CAMERA/ SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
- — PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
- — EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
- — BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
- — TEST PIT LOCATION (REFER TO GEOTECH REPORT)
- — CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
- — EXISTING UTILITY POLE C/W GUY WIRES
- — EXISTING WATERMAIN C/W VALVE & VALVE CHAMBER
- — EXISTING HYDRANT C/W VALVE & LEAD
- — EXISTING SANITARY MANHOLE & SEWER
- — EXISTING STORM MANHOLE & SEWER
- — EXISTING CATCH-BASIN
- — EXISTING GAS MAIN
- — EXISTING OVERHEAD WIRES
- — EXISTING BELL LINE
- — EXISTING TELECOMMUNICATIONS LINE
- — EXISTING HYDRO
- — EXISTING STREETLIGHT
- — EXISTING PARKING LOT SIGNAGE

NOTE
1. ALL SERVICE CONNECTIONS AND CATCH-BASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2
2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAIL S14, S14.1, AND S14.2

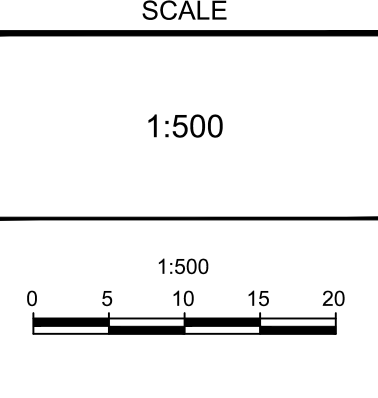
NORTH

KEY PLAN
N.T.S.



NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT 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.

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5	PHASE 2 PERMIT - SUPERSTRUCTURE AND ENVELOPE	JAN 15/25	MJH
4	REVISED PER CITY COMMENTS	DEC 11/24	MJH
3	ISSUED FOR RFP TENDER SET (60%)	NOV 21/24	MJH
2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH



DESIGN	DATE	BY
ISSUED	FEB 12/25	MJH / RJK
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CHECKED	NOV 21/24	MJH
APPROVED	OCT 29/24	MJH

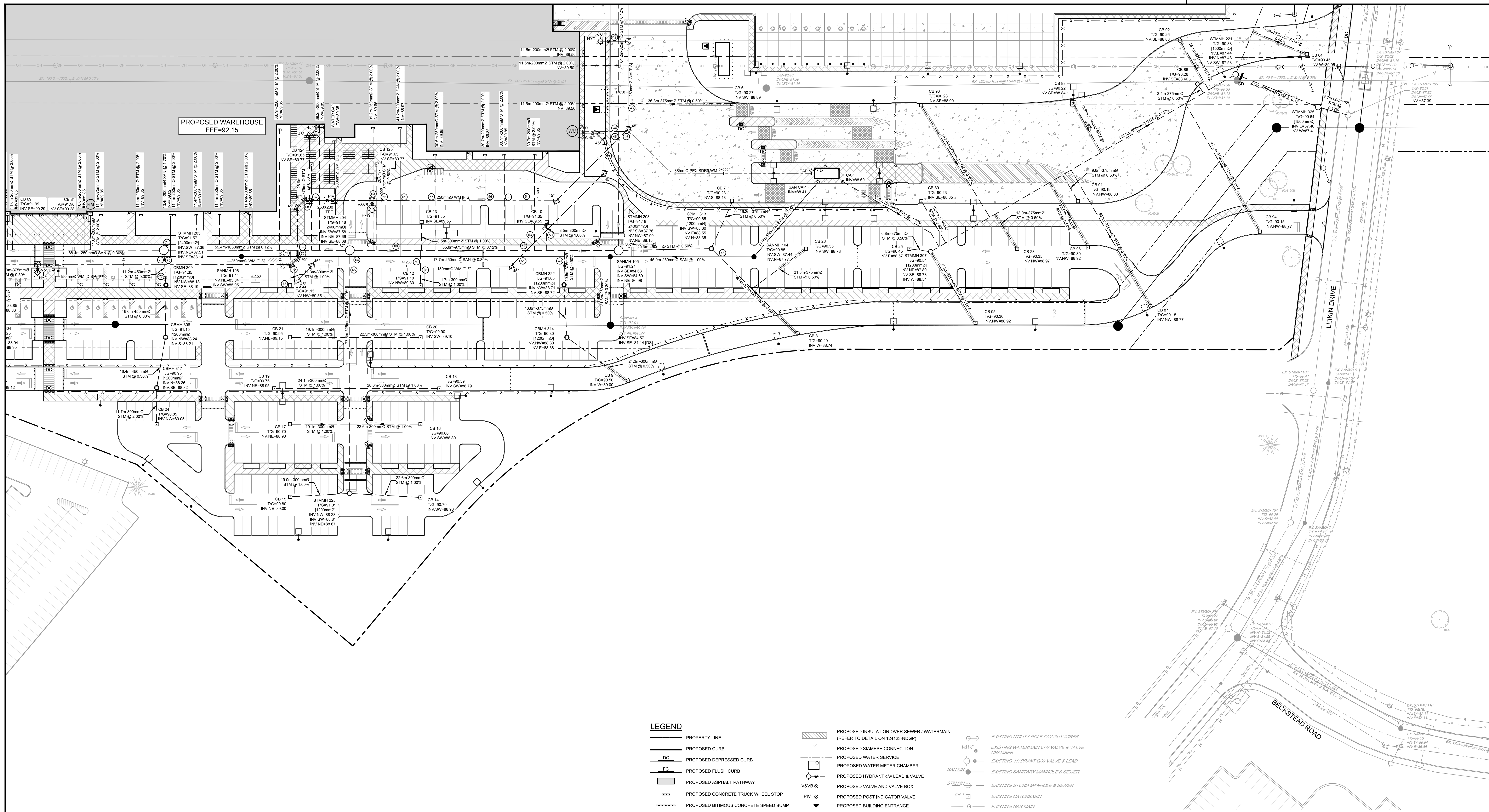


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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
GENERAL PLAN OF SERVICES
NORTH EASTERN QUADRANT

PROJECT NO.	REV	DATE
124123	REV # 7	
124123-GP2		

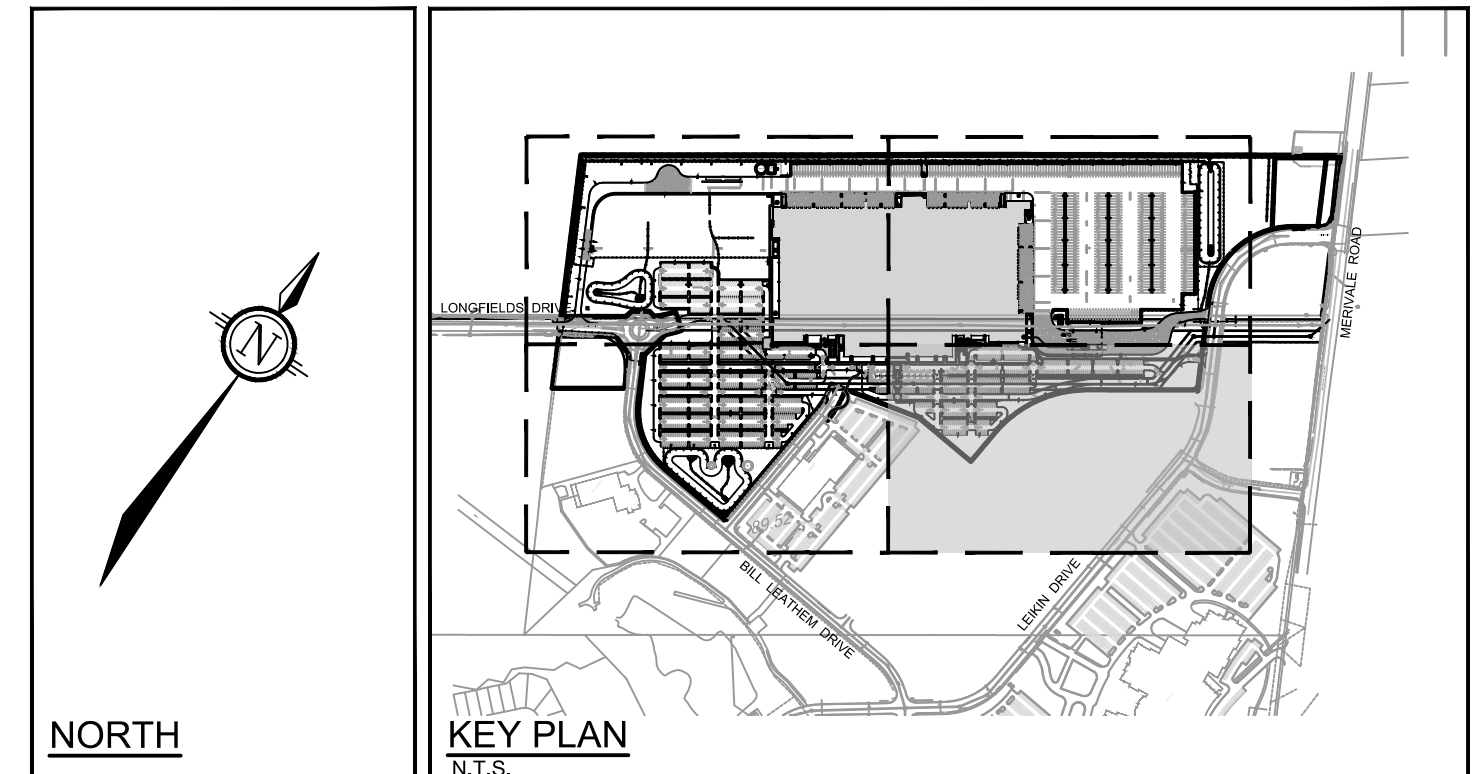


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 - PROPOSED CONCRETE TRUCK WHEEL STOP
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - FACILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL S27.5
 - PROPOSED CAP
 - PROPOSED SANITARY SERVICE c/w MANHOLE
 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED BOX MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
 - PROPOSED HEADWALL (DPSO 804.049) C/W GALVANIZED RAILING
 - PROPOSED INLET CONTROL DEVICE
 - PROPOSED REMOTE WATER METER
 - PROPOSED WATER METER
 - PROPOSED INSULATION OVER SEWER / WATERMAIN (REFER TO DETAIL ON 124123-NDGP)
 - PROPOSED SIAMOSE CONNECTION
 - PROPOSED WATER SERVICE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED HYDRANT c/w LEAD & VALVE
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF FLOW
 - PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
 - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
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 - PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED CAMERA/ SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
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 - BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
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 - EXISTING HYDRANT C/W LEAD & LEAD CHAMBER
 - EXISTING SANITARY MANHOLE & SEWER
 - EXISTING STORM MANHOLE & SEWER
 - EXISTING CATCHBASIN
 - EXISTING GAS MAIN
 - EXISTING OVERHEAD WIRES
 - EXISTING BELL LINE
 - EXISTING TELECOMMUNICATIONS LINE
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 - EXISTING STREETLIGHT
 - EXISTING PARKING LOT SIGNAGE

NOTE:
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 2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2

[Signature]
LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH EASTERN QUADRANT
 PLANNING, DEVELOPMENT, AND BUILDING SERVICES
 DEPARTMENT, CITY OF OTTAWA

APPROVED
 By Lily Xu at 8:15 am, Feb 25, 2025



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1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

SCALE	DESIGN
1:500	MJH / RJK
1:500	MJH
1:500	RJK
1:500	MJH
1:500	MJH

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PROFESSIONAL ENGINEER
M. J. HROBOWAN
 10021256
 FEB 12 / 25
 PROVINCE OF ONTARIO

LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GENERAL PLAN OF SERVICES
 SOUTH EASTERN QUADRANT**

PROJECT NO.: 124123
 REV # 7
 DRAWING NO.: 124123-GP3

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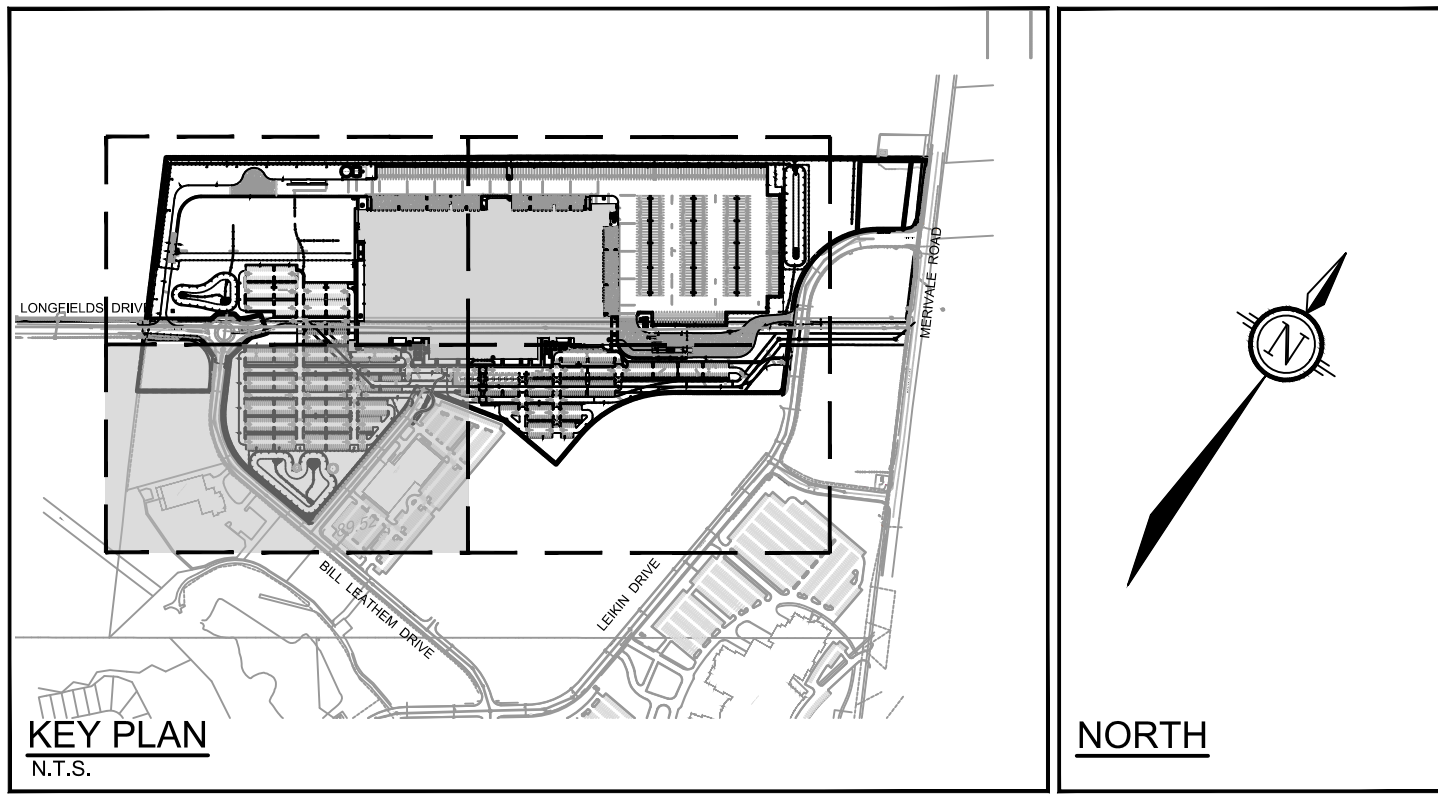
D07-12-24-0139

PLAN # 19192

- LEGEND**
- PROPERTY LINE
 - PROPOSED CURB
 - DC PROPOSED DEPRESSED CURB
 - FC PROPOSED FLUSH CURB
 - PROPOSED ASPHALT PATHWAY
 - PROPOSED CONCRETE TRUCK WHEEL STOP
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
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 - PROPOSED CAP
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 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED BOX MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
 - PROPOSED HEADWALL (OPSD 804.04) C/W GALVANIZED RAILING
 - PROPOSED INLET CONTROL DEVICE
 - PROPOSED REMOTE WATER METER
 - PROPOSED WATER METER
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 - PROPOSED SIAMESE CONNECTION
 - PROPOSED WATER SERVICE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED HYDRANT c/w LEAD & VALVE
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF FLOW
 - PROPOSED CHAIN LINK FENCE (REFER TO LANDSCAPE)
 - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
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 - EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
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 - EXISTING SANITARY MANHOLE & SEWER
 - EXISTING STORM MANHOLE & SEWER
 - EXISTING CATCHBASIN
 - EXISTING GAS MAIN
 - EXISTING OVERHEAD WIRES
 - EXISTING BELL LINE
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 - EXISTING HYDRO
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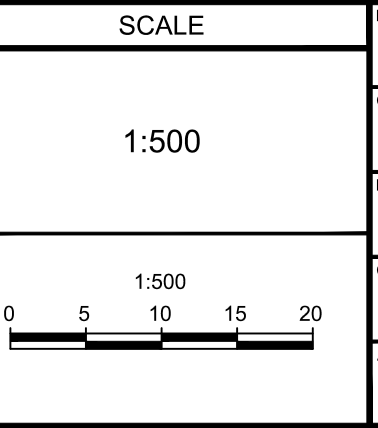
NOTE

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2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
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DESIGN	DATE	BY
DESIGN		MJH / RJK
CHECKED		MJH
DRAWN		RJK
CHECKED		MJH
APPROVED		MJH



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LOCATION
CITY OF OTTAWA
99 BILL LEATHER, 2 & 20 LEIKEN DRIVE

DRAWING NAME
GENERAL PLAN OF SERVICES
SOUTH WESTERN QUADRANT

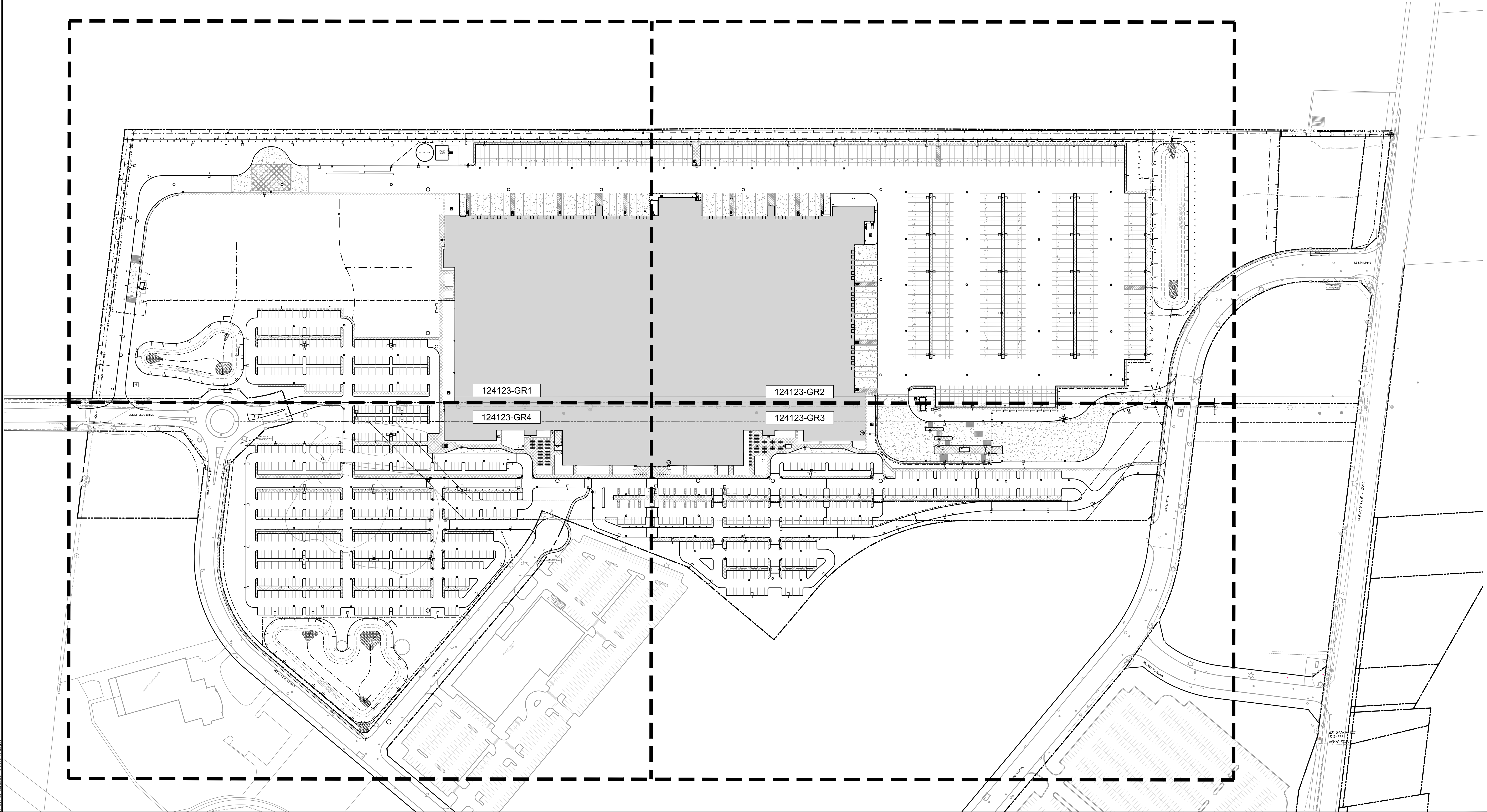
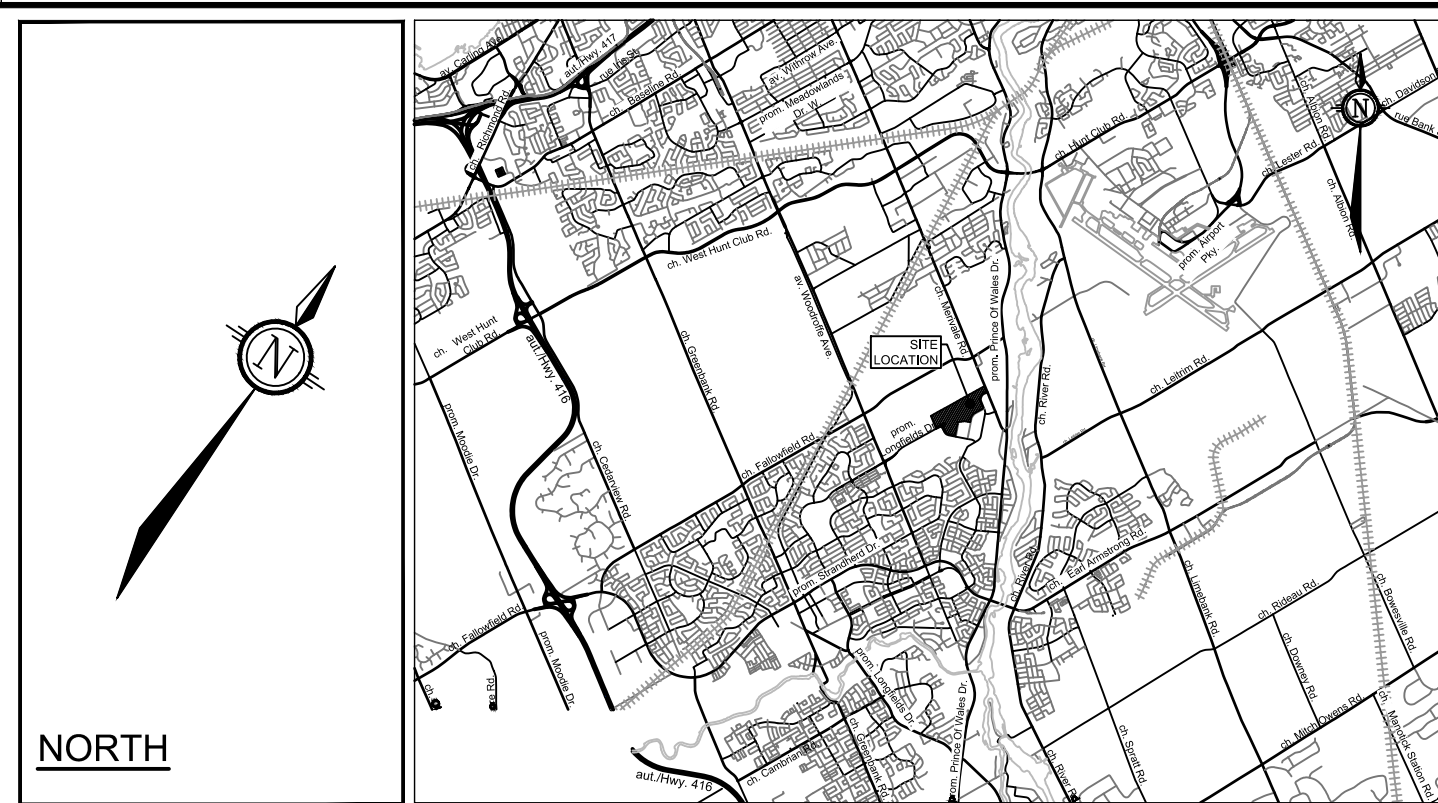
PROJECT NO.: 124123
REV # 7
DRAWING NO.: 124123-GP4

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

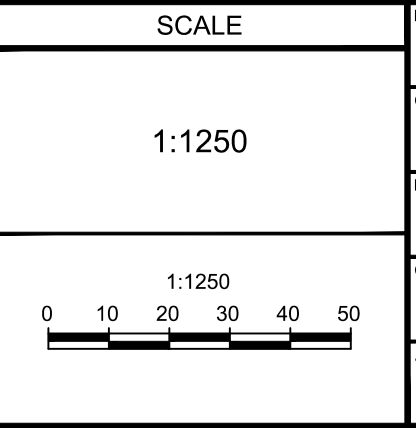
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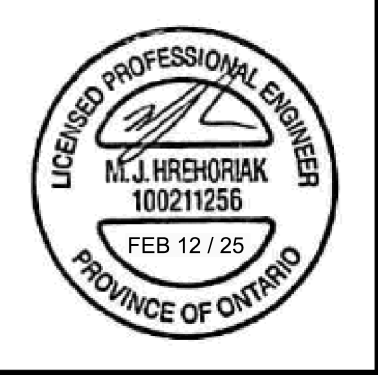


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DESIGN	MJH / RJK
CHECKED	MJH
DRAWN	RJK
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APPROVED	MJH



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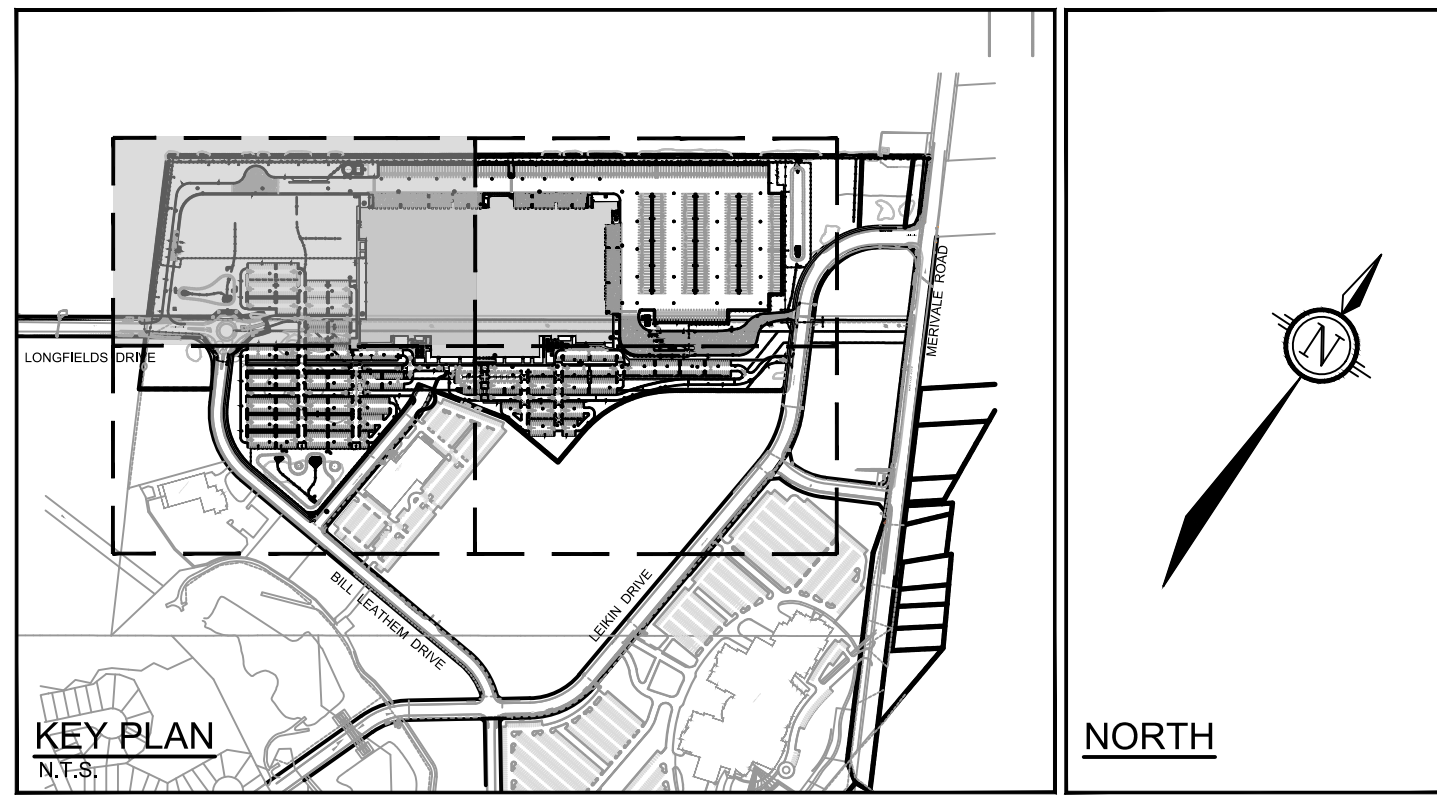
LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GRADING PLAN
OVERALL**

PROJECT NO.: 124123
REV # 7
DRAWING NO.: 124123-GRO
PLAN # 19192

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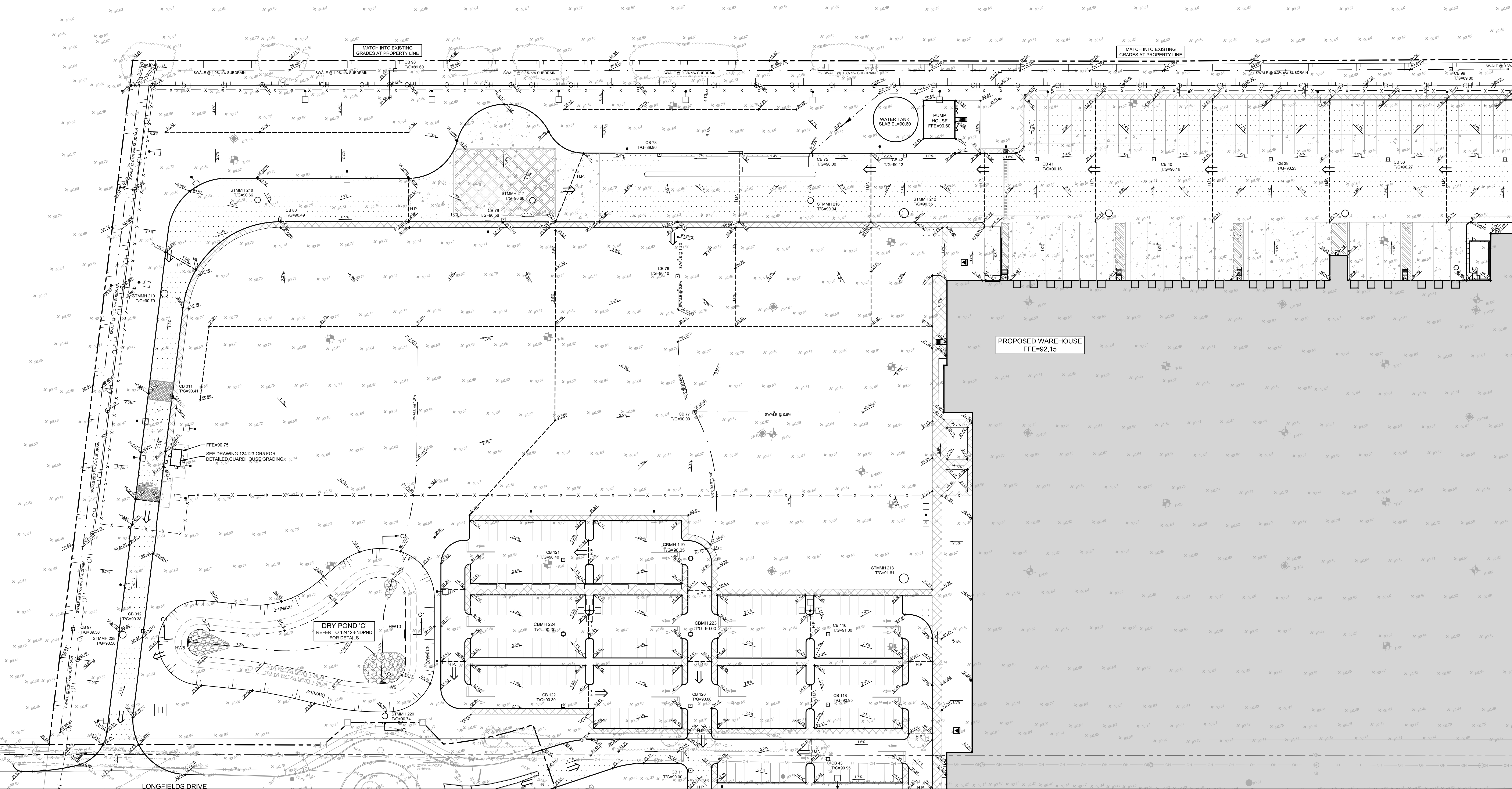


LEGEND

	PROPERTY LINE		PROPOSED POST INDICATOR VALVE		EXISTING UTILITY POLE CW GUY WIRES AND ANCHOR
	PROPOSED ELEVATION		PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)		EXISTING VALVE & VALVE CHAMBER
	EXISTING ELEVATION		PROPOSED HIGH POINT		EXISTING VALVE & VALVE BOX
	PROPOSED TOP OF CURB ELEVATION		PROPOSED CURB		EXISTING HYDRANT
	PROPOSED SWALE ELEVATION		PROPOSED DEPRESSED CURB		EXISTING SANITARY MANHOLE
	PROPOSED BUILDING ENTRANCE		PROPOSED BITUMINOUS CONCRETE SPEED BUMP		EXISTING STORM MANHOLE
	DIRECTION OF MAJOR OVERLAND FLOW		PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)		EXISTING CATCHBASIN
	PROPOSED SAN MANHOLE		PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR		EXISTING LIGHT STANDARD
	PROPOSED STORM MANHOLE		TACTILE WALKING SURFACE INDICATOR (TWS) PER OPSD 310.039		EXISTING FENCE
	PROPOSED CATCHBASIN MANHOLE		SWALE AND DIRECTION OF FLOW		
	PROPOSED CATCHBASIN		TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)		
	PROPOSED FIRE HYDRANT		SLOPE AND DIRECTION		
	PROPOSED VALVE AND VALVE BOX		PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)		

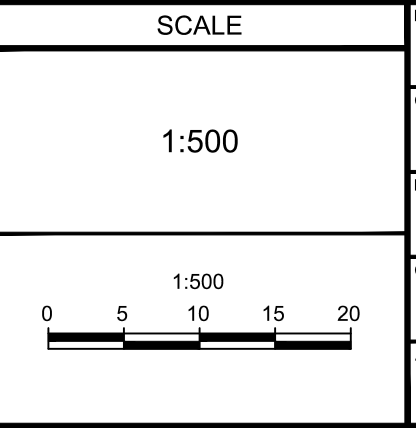
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By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu
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LOCATION
CITY OF OTTAWA
99 BILL LEATHEM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
GRADING PLAN
NORTH WESTERN QUADRANT

PROJECT NO.	124123
REV	REV #7
DRAWING NO.	124123-GR1

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

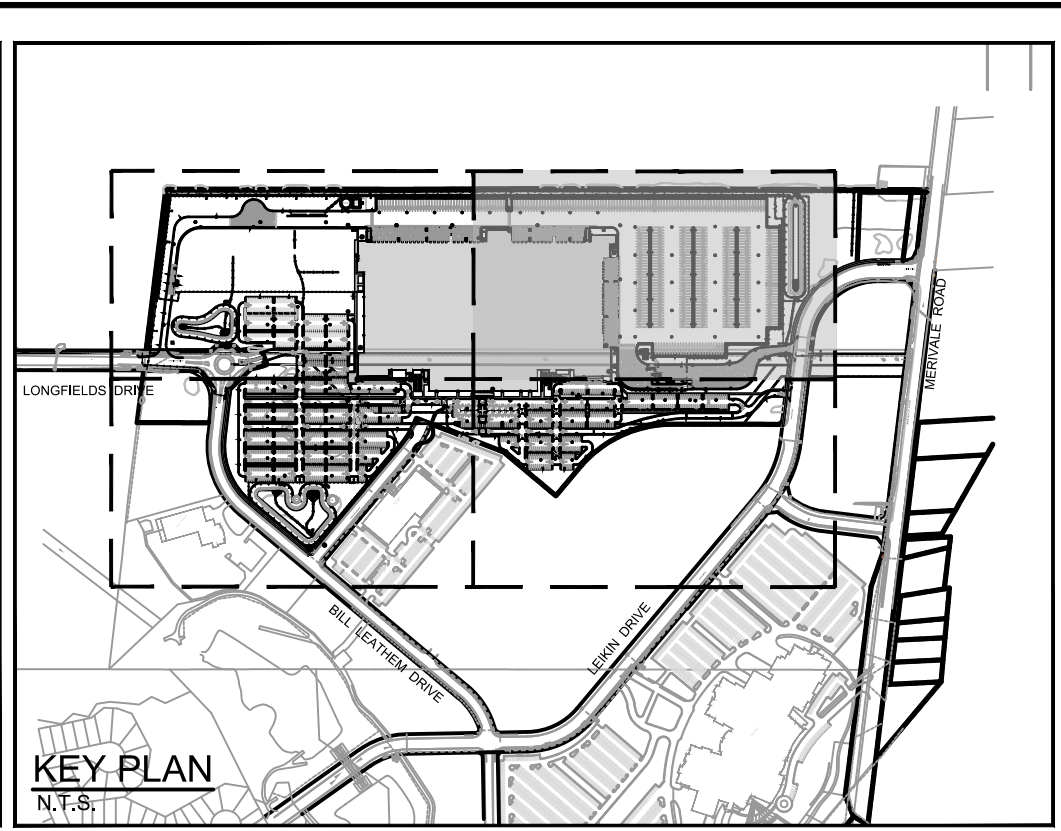
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

LEGEND

- PROPERTY LINE
- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED SWALE ELEVATION
- PROPOSED BUILDING ENTRANCE
- DIRECTION OF MAJOR OVERLAND FLOW
- PROPOSED SAN MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE AND VALVE BOX
- PIV ○ PROPOSED POST INDICATOR VALVE
- PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
- H.P. PROPOSED HIGH POINT
- DC PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BITUMINOUS CONCRETE SPEED BUMP
- PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
- UP ○ PROPOSED UTILITY POLE C/W GUY WIRES AND ANCHOR
- TACTILE WALKING SURFACE INDICATOR (TWSI) PER OPSD 310.039
- SWALE AND DIRECTION OF FLOW
- TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
- SLOPE AND DIRECTION
- PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)
- EXISTING UTILITY POLE C/W GUY WIRES AND ANCHOR
- EXISTING VALVE & VALVE CHAMBER
- EXISTING VALVE & VALVE BOX
- EXISTING HYDRANT
- SAN MH ○ EXISTING SANITARY MANHOLE
- STM MH ○ EXISTING STORM MANHOLE
- CB ○ EXISTING CATCHBASIN
- LS ○ EXISTING LIGHT STANDARD
- EXISTING FENCE

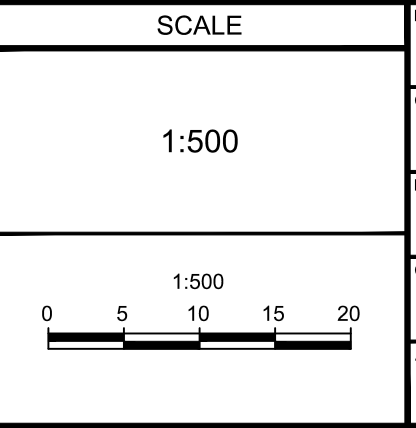
NORTH

KEY PLAN



NOTE:
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NO.	REVISION	DATE	BY
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5	PHASE 2 PERMIT - SUPERSTRUCTURE AND ENVELOPE	JAN 15/25	MJH
4	REVISED PER CITY COMMENTS	DEC 11/24	MJH
3	ISSUED FOR RFP TENDER SET (60%)	NOV 21/24	MJH
2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH



PREPARED BY	CHECKED BY	DRAWN BY	APPROVED BY
MJH / RJK	MJH	RJK	MJH

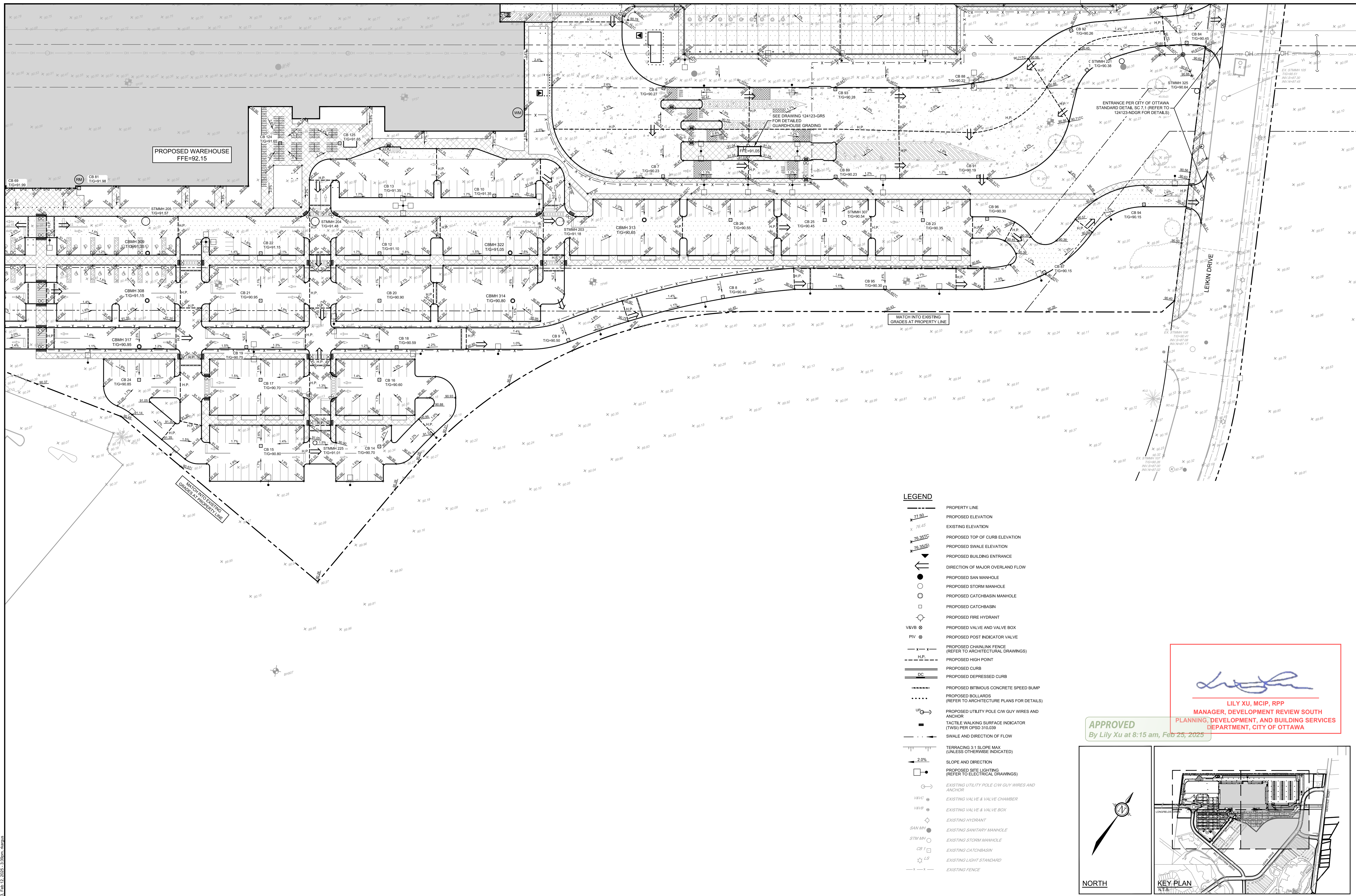


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Website: www.novatech-eng.com

LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
GRADING PLAN
NORTH EASTERN QUADRANT

PROJECT NO.	REV #	DRAWING NO.
124123	#7	124123-GR2



PROPOSED WAREHOUSE
FFE-92.15

ENTRANCE PER CITY OF OTTAWA
STANDARD DETAIL SC 7.1 (REFER TO
124123-NDGR FOR DETAILS)

SEE DRAWING 124123-GR5
FOR DETAILED
GUARDHOUSE GRADING

MATCH INTO EXISTING
GRADES AT PROPERTY LINE

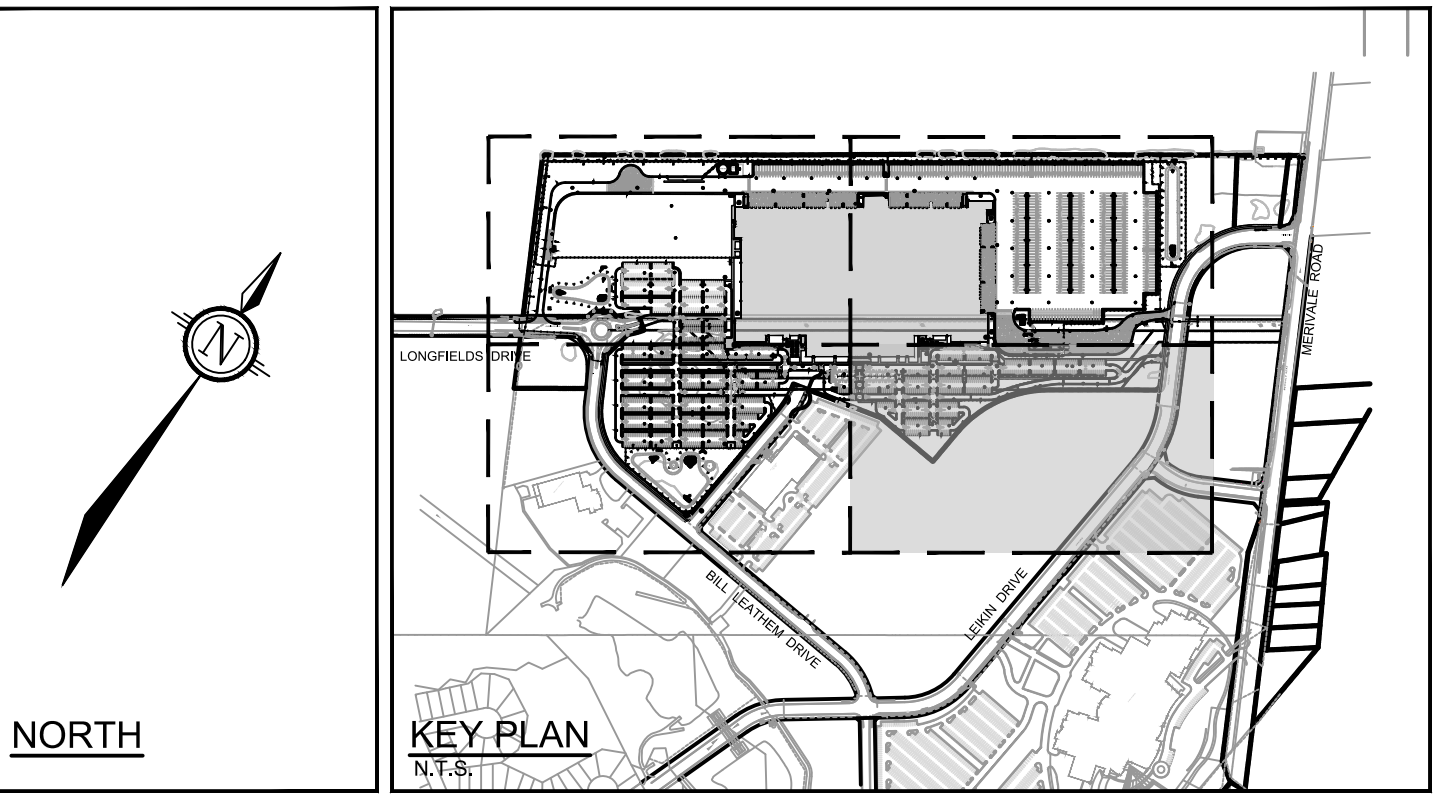
MATCH INTO EXISTING
GRADES AT PROPERTY LINE

LEGEND

- PROPERTY LINE
- PROPOSED ELEVATION
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- EXISTING LIGHT STANDARD
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Lily Xu
LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

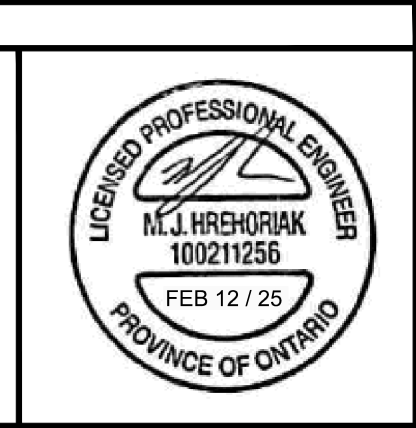
APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025



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SCALE	DESIGN
1:500	MJH / RJK
1:500	MJH
1:500	RJK
1:500	MJH
1:500	MJH



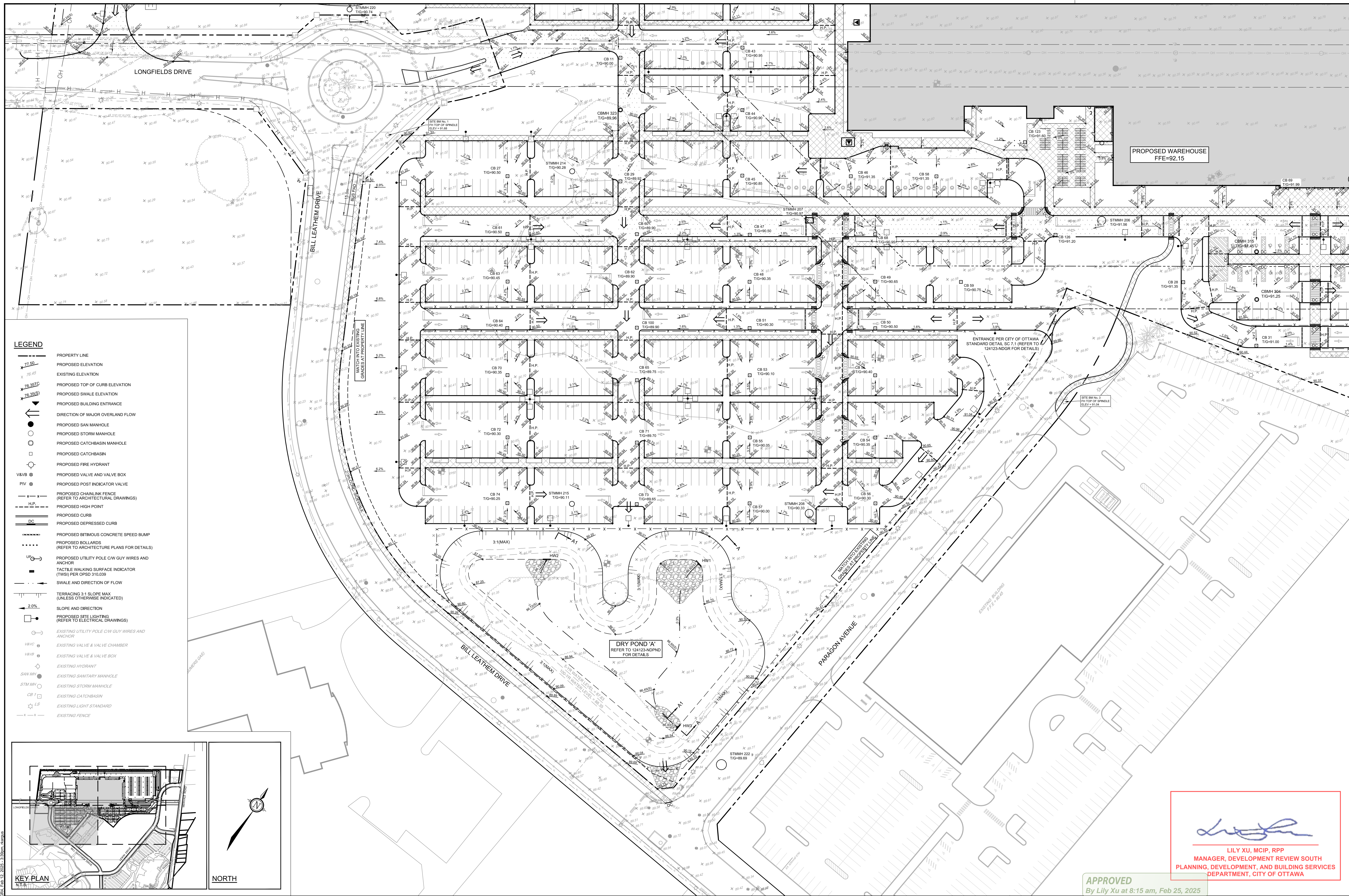
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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

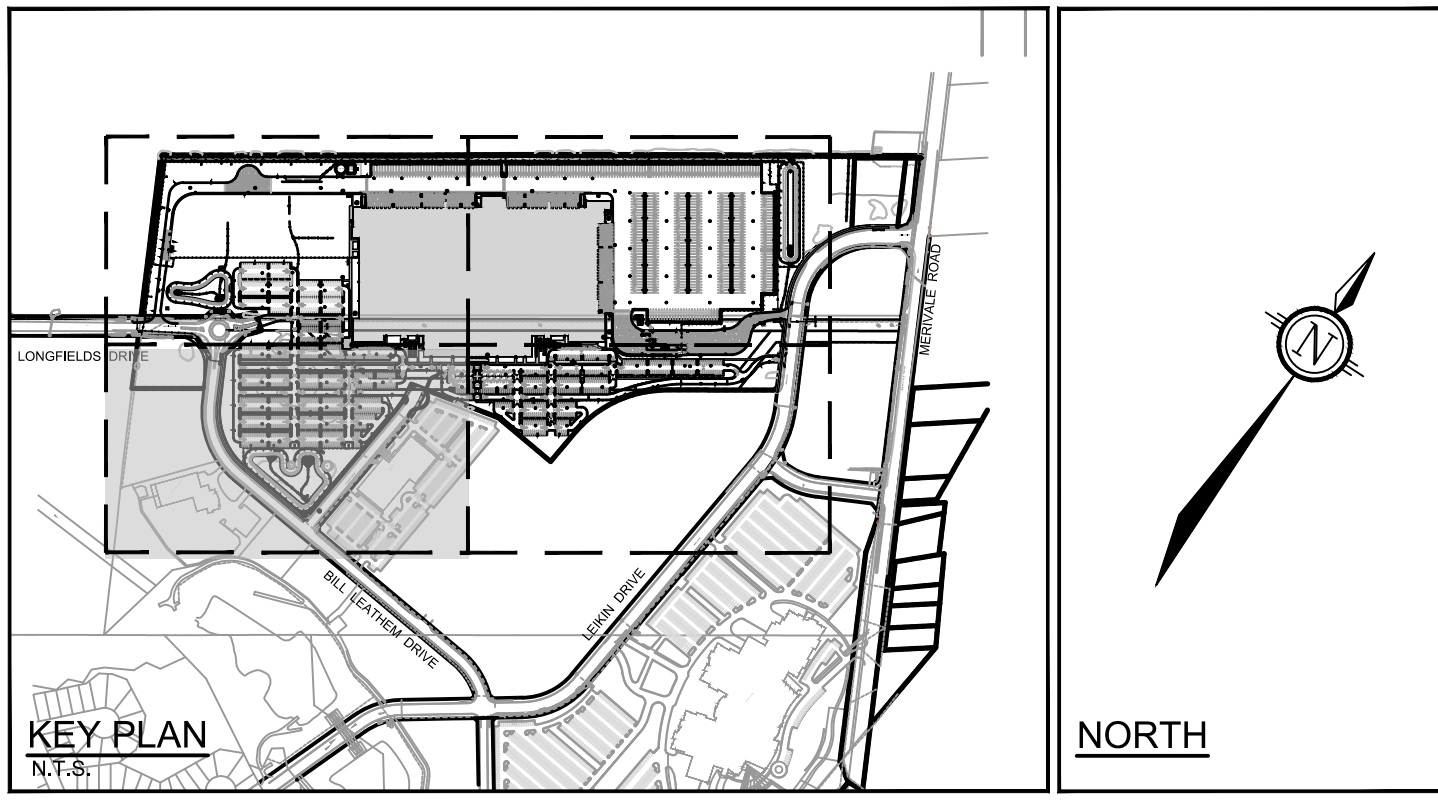
DRAWING NAME
GRADING PLAN
SOUTH EASTERN QUADRANT

PROJECT NO.: 124123
REV # 7
DRAWING NO.: 124123-GR3
PLAN # 19192

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- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
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 - PROPOSED TOP OF CURB ELEVATION
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PROPOSED WAREHOUSE
FFE=92.15

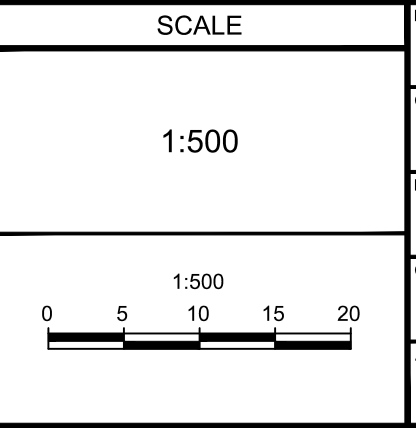
DRY POND 'A'
REFER TO 124123-NDPND
FOR DETAILS

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

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DESIGN	DATE	BY
MJH / RJK		
MJH		
RJK		
MJH		
MJH		



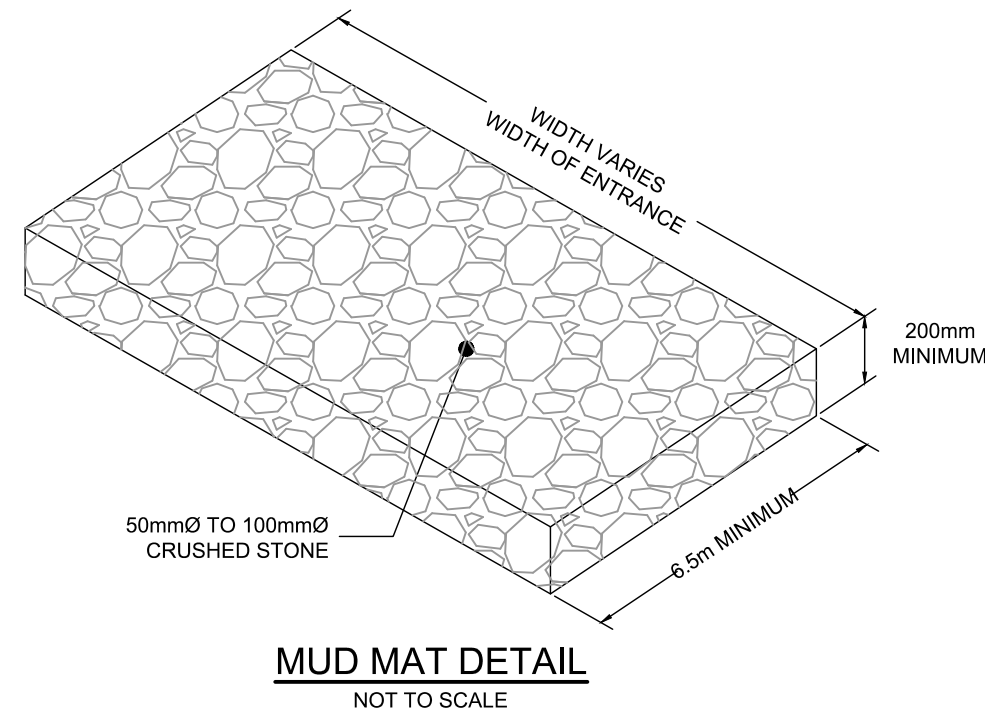
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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
GRADING PLAN
SOUTH WESTERN QUADRANT

PROJECT NO.	REV	REV #	DRAWING NO.
124123			

LEGEND

- PROPERTY LINE
- PROPOSED SWALE
- TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
- PROPOSED FILTER BAGS AT CATCHBASINS, CATCHBASIN MANHOLES AND TRENCHDRAINS
- MM PROPOSED MUD MAT
- PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
- PROPOSED SECURITY FENCE (REFER TO LANDSCAPE)
- LIGHT DUTY SILT FENCE (OPSD 219.110)
- PROPOSED STORM MANHOLE
- PROPOSED BOX MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- ▽ PROPOSED BUILDING ENTRANCE
- ▨ STRAW BALE CHECKDAM (OPSD 219.180)
- ▨ RIP-RAP
- PROPOSED RETAINING WALL
- STM MH EXISTING STORM MANHOLE
- CB EXISTING CATCHBASIN
- LS EXISTING LIGHT STANDARD
- X EXISTING FENCE



EROSION AND SEDIMENT CONTROL NOTES:

- 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) THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING FILTER CLOTHS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
 - 2) THE CONTRACTOR SHALL PLACE FILTER BAGS UNDER THE CATCHBASIN AND MANHOLE GRATES FOR THE DURATION OF CONSTRUCTION AND WILL REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION.
 - 3) SILT FENCING FOR ENTIRE PERIMETER OF SITE, SHALL BE UTILIZED TO CONTROL EROSION FROM THE SITE DURING CONSTRUCTION.
 - 4) THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
 - 5) PROVIDE MUD MATS AT ALL CONSTRUCTION ACCESS POINTS TO MINIMIZE SEDIMENT TRANSPORT OFFSITE.
 - 6) EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.

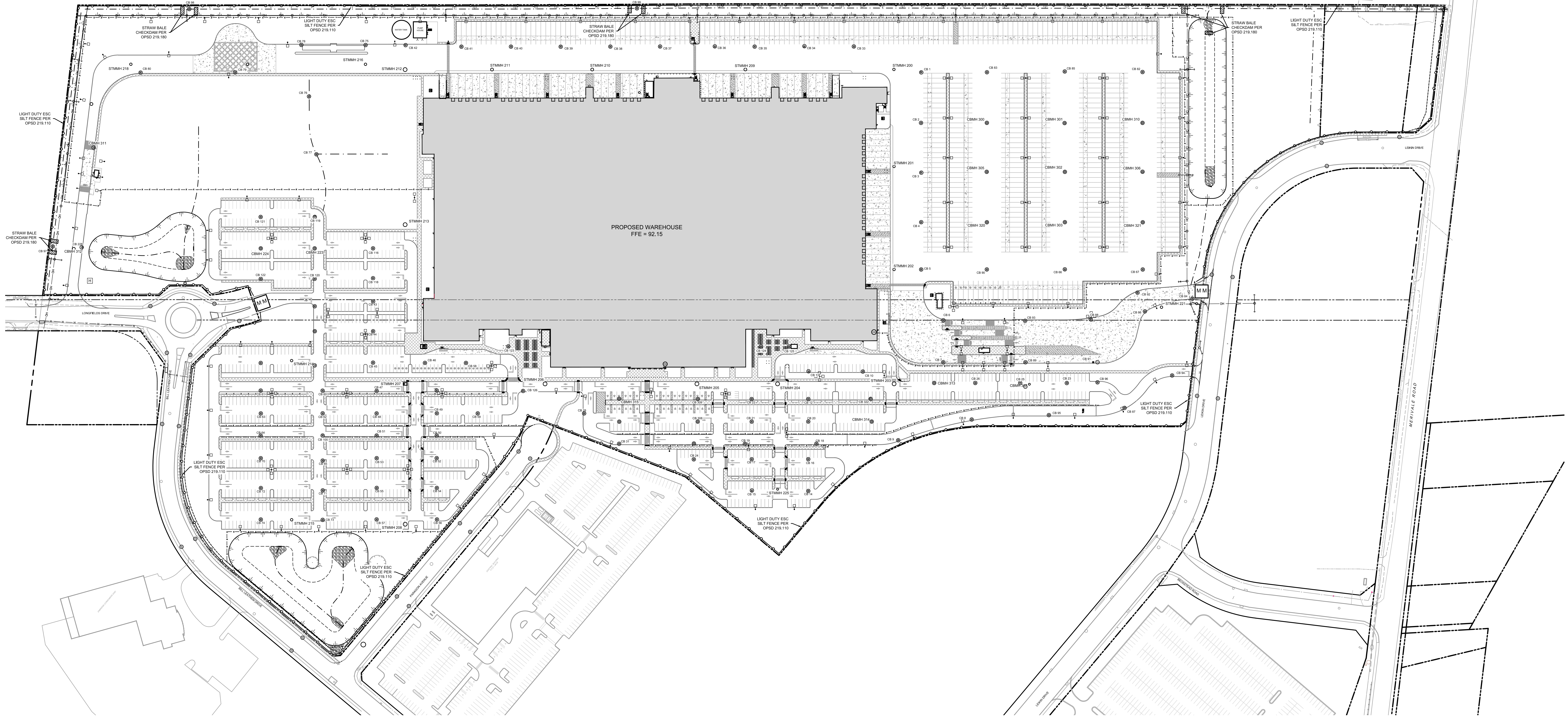
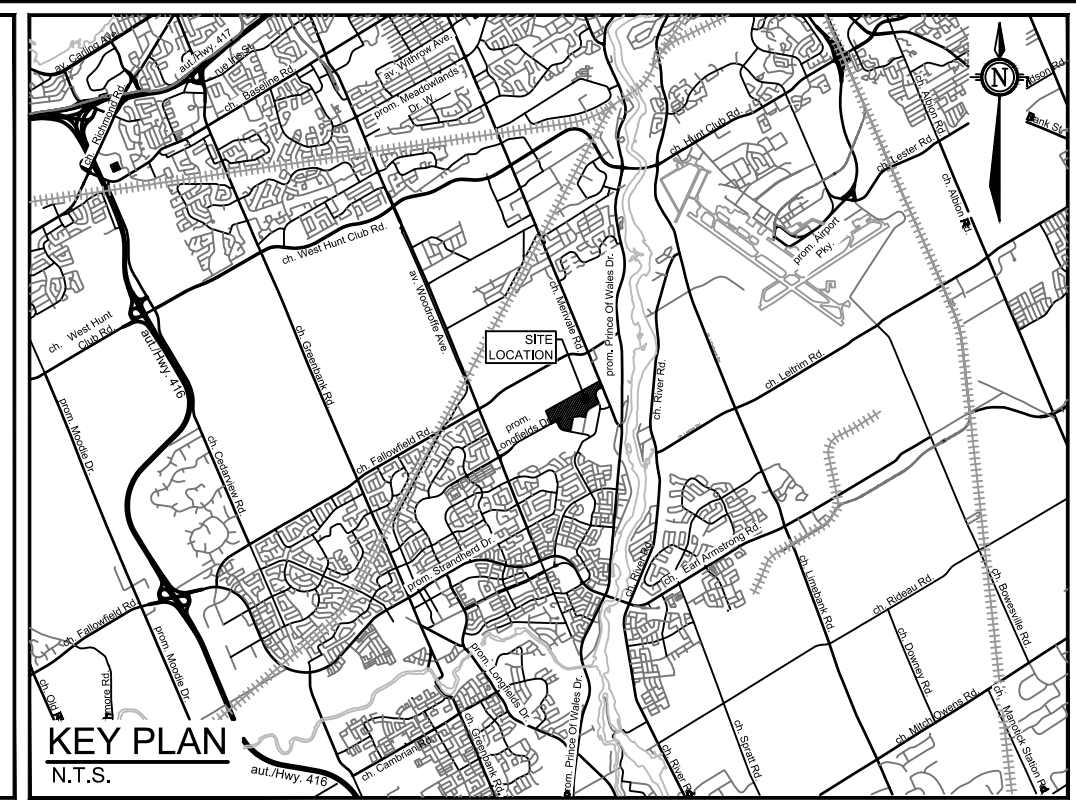
APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

Lily Xu

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

NORTH

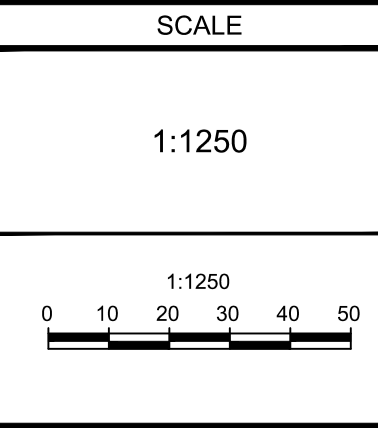
KEY PLAN
N.T.S.



REFER TO 124123-ND FOR ADDITIONAL NOTES

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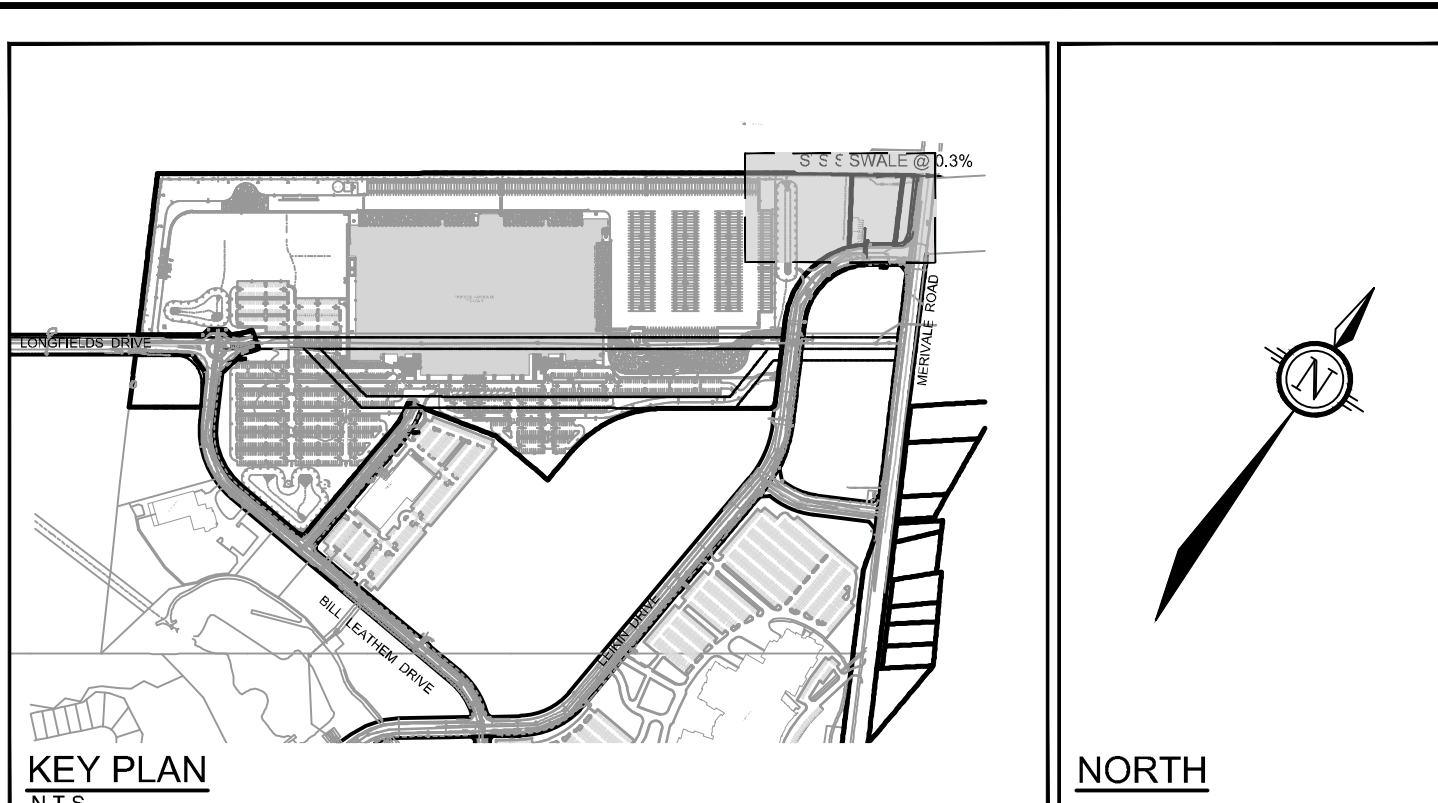
DESIGN	DATE	BY
MJH / RJK		
MJH		
RJK		
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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE
DRAWING NAME
EROSION AND SEDIMENT CONTROL

PROJECT NO.	REV	REV #	DRAWING NO.
124123			124123-ESC
			124123-ESC



- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
 - PROPOSED SWALE ELEVATION
 - EXISTING ELEVATION
 - TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
 - SLOPE AND DIRECTION
 - PROPOSED HIGH POINT
 - SWALE AND DIRECTION OF FLOW
 - PROPOSED CHAINLINK FENCE
 - PROPOSED SANITARY SERVICE c/w MANHOLE
 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED CATCHBASIN MANHOLE
 - CONCRETE SIDEWALK (SEE DRAWING 124123-)
 - PROPOSED WATER SERVICE
 - PROPOSED STAND POST
 - PROPOSED HYDRO KIOSK
 - PROPOSED HYDRO SERVICE
 - EXISTING UTILITY POLE c/w GUY WIRES
 - EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
 - EXISTING HYDRANT c/w VALVE & LEAD
 - EXISTING SANITARY MANHOLE & SEWER
 - EXISTING STORM MANHOLE & SEWER
 - EXISTING CATCHBASIN

50mmØ WATERMAIN TABLE (LEIKIN DRIVE CONNECTION)

ELEVATION	TOP OF WATERMAIN	DESCRIPTION
90.91	88.51±	T.V.S. CONNECTION TO EXISTING WATERMAIN
90.87	88.47	STAND POST
90.75	88.35	WATER METER CHAMBER

* T.V.S. CONNECTION TO EXISTING WATERMAIN, ELEVATION TO BE DETERMINED IN THE FIELD.

APPROVED
By Lily Xu at 8:15 am, Feb 25, 2025

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

- GENERAL NOTES:**
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
 - OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
 - RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.
 - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
 - ALL ELEVATIONS ARE GEODETIC.
 - REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR HARDSURFACE AREAS AND DIMENSIONS AND PARK FEATURE DETAILS.

- GRADING NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
 - EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
 - MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
 - MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
 - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
 - CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING AS-BUILT ELEVATIONS OF ALL DESIGN GRADES SHOWN ON THIS PLAN.

- WATERMAIN NOTES:**
- SPECIFICATIONS:

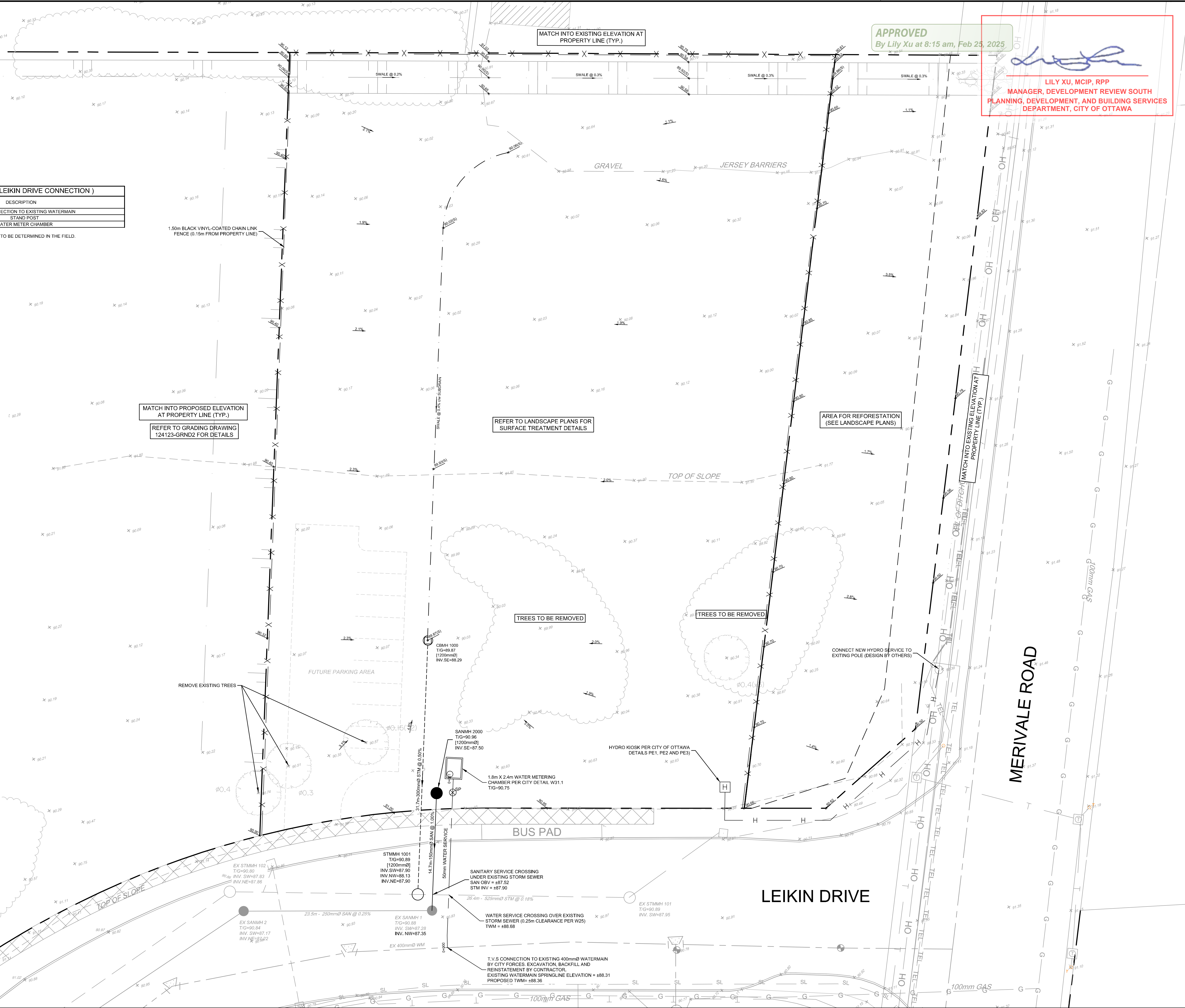
ITEM	SPEC. No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER	W25	CITY OF OTTAWA
WATERMAIN	PVC DR 18	CITY OF OTTAWA
 - SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHARACTERIZATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
 - WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
 - PROVIDE MINIMUM 0.25m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.

- SEWER NOTES:**
- SPECIFICATIONS:

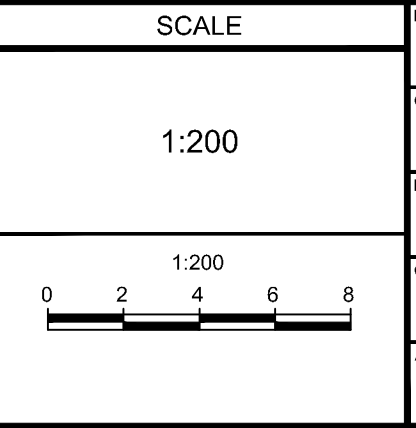
ITEM	SPEC. No.	REFERENCE
CATCH BASIN MANHOLE	701.010	OPSRD
CATCHBASIN, FRAME & COVER	400.020	OPSRD
SANITARY COVER	S24	CITY OF OTTAWA
SEWER TRENCH	S8 & S7	CITY OF OTTAWA
STORM SEWER	PVC DR 35	CITY OF OTTAWA
SANITARY SEWER	PVC DR 35	CITY OF OTTAWA
SUBSOIL	HOPE PERFORATED	
 - PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
 - CATCH BASINS SHALL HAVE 600mm SUMP UNLESS OTHERWISE INDICATED.
 - CONTRACTOR TO TELEVISION (CCTV) ALL PROPOSED SEWERS, 200mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.

- EROSION AND SEDIMENT CONTROL NOTES:**
- THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING FILTER CLOTHS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
 - THE CONTRACTOR SHALL PLACE FILTER CLOTH UNDER THE CATCHBASIN AND MANHOLE GRATES FOR THE DURATION OF CONSTRUCTION AND WILL REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION.
 - SILT FENCING FOR ENTIRE PERIMETER OF SITE, SHALL BE UTILIZED TO CONTROL EROSION FROM THE SITE DURING CONSTRUCTION.
 - THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

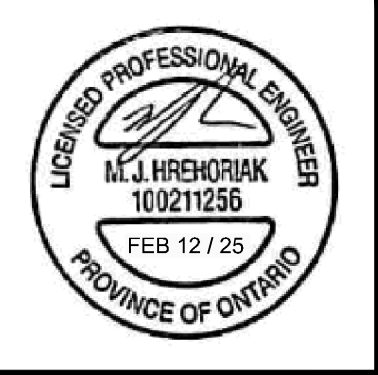
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE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



No.	REVISION	DATE	BY
7	ISSUED FOR SITE PLAN APPROVAL	FEB 12/25	MJH
6	ISSUED FOR FULL BUILDING PERMIT	FEB 12/25	MJH
5	PHASE 2 PERMIT - SUPERSTRUCTURE AND ENVELOPE	JAN 15/25	MJH
4	REVISED PER CITY COMMENTS	DEC 11/24	MJH
3	ISSUED FOR RFP TENDER SET (60%)	NOV 21/24	MJH
2	PHASE 1 PERMIT EXCAVATION, FOUNDATION AND DEEP UNDERGROUND	NOV 21/24	MJH
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH



DESIGN	DATE	BY
DESIGNED		MJH / RJK
CHECKED		MJH
DRAWN		RJK
CHECKED		MJH
APPROVED		MJH



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LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE	PROJECT No. 124123
DRAWING NAME PARK GRADING AND SERVICING	REV # 7
DRAWING No. 124123-PGS	PLAN # 19192

D07-12-24-0139