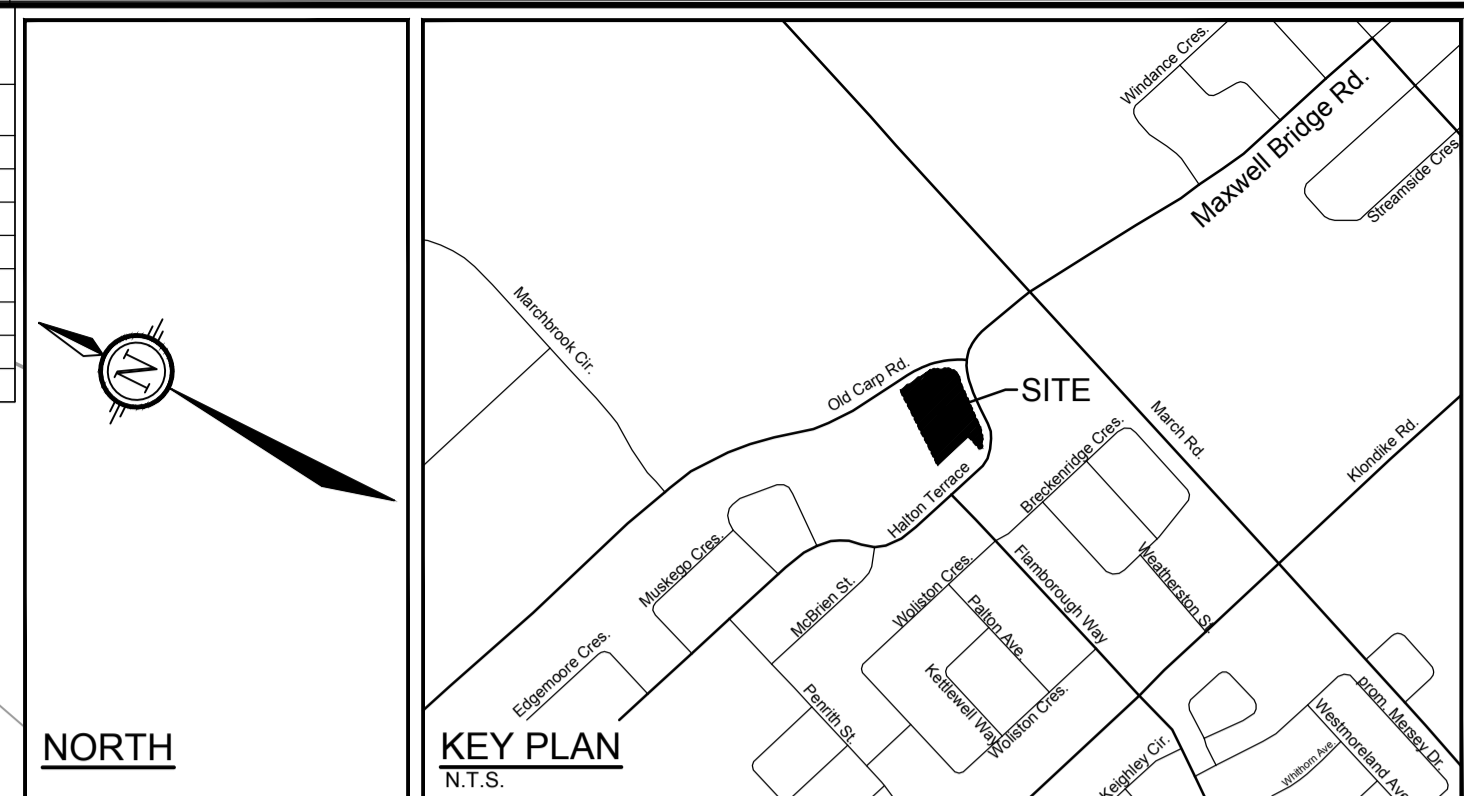
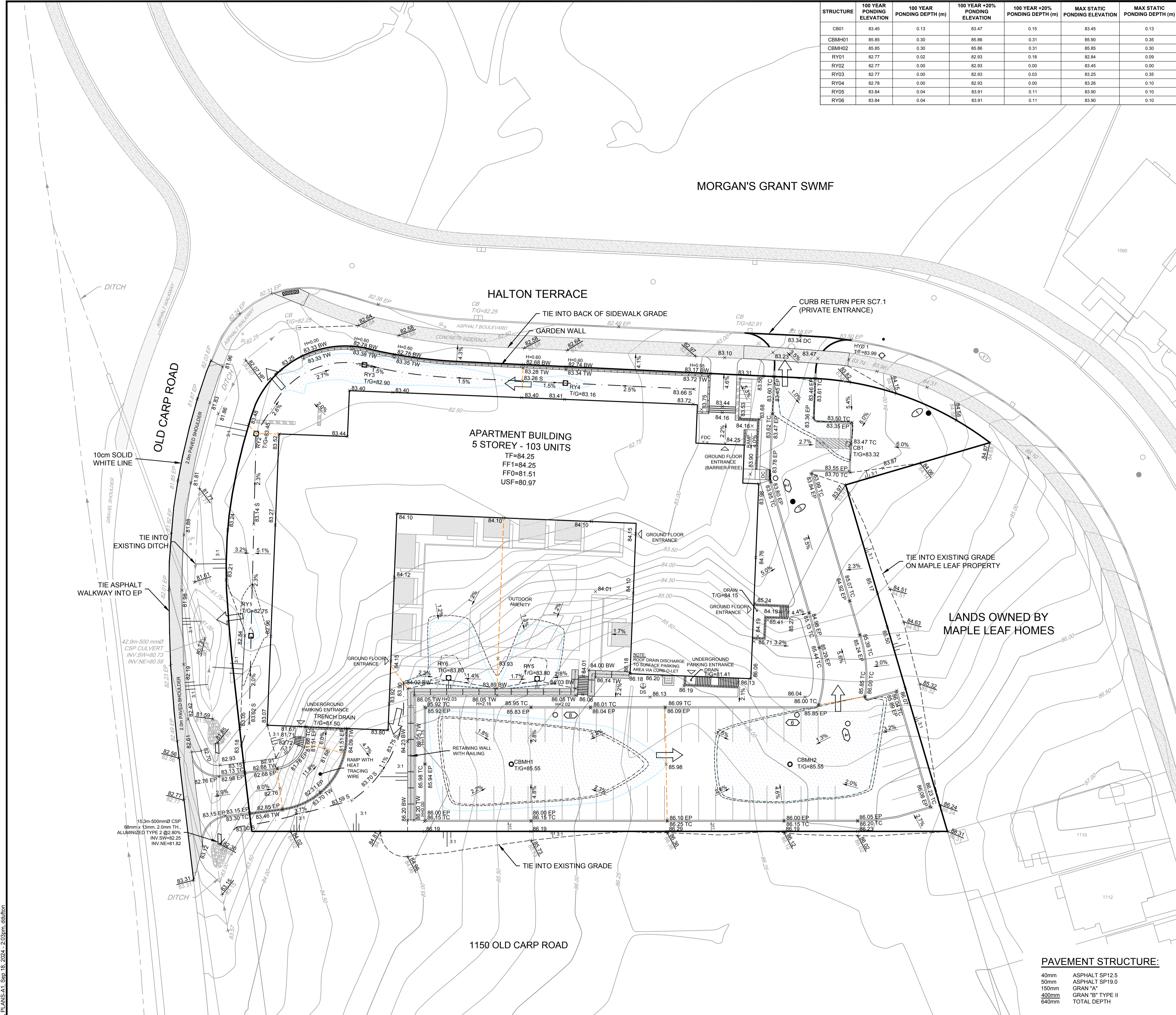


STRUCTURE	100 YEAR PONDING ELEVATION	100 YEAR PONDING DEPTH (m)	100 YEAR +20% PONDING ELEVATION	100 YEAR +20% PONDING DEPTH (m)	MAX STATIC PONDING ELEVATION	MAX STATIC PONDING DEPTH (m)
CB01	83.45	0.13	83.47	0.15	83.45	0.13
CBMH01	85.85	0.30	85.86	0.31	85.90	0.35
CBMH02	85.85	0.30	85.86	0.31	85.85	0.30
RY01	82.77	0.02	82.93	0.18	82.84	0.09
RY02	82.77	0.00	82.93	0.00	83.45	0.00
RY03	82.77	0.00	82.93	0.03	83.25	0.35
RY04	82.78	0.00	82.93	0.00	83.26	0.10
RY05	83.84	0.04	83.91	0.11	83.90	0.10
RY06	83.84	0.04	83.91	0.11	83.90	0.10



MORGAN'S GRANT SWMF



**LEGEND**

	PROPOSED GRADE AND DIRECTION OF FLOW		HYDRANT WITH TOP OF FLANGE ELEVATION
	PROPOSED ELEVATION		SANITARY MANHOLE
	EXISTING SPOT ELEVATION		STORM MANHOLE
	EXISTING ELEVATION AT BACK OF SIDEWALK		CATCHBASIN WITH TOP OF GRATE ELEVATION CB WITH ICD
	EXISTING CONTOUR ELEVATION		LANDSCAPE TYPE CATCHBASIN WITH TOP OF GRATE ELEVATION
	MAJOR OVERLAND FLOW DIRECTION		VALVE & VALVE BOX LOCATION
	TERRACE GRADE (3:1 MAX)		FF= FINISHED FLOOR
	SWALE AND TERRACE		TF= TOP OF FOUNDATION
	MAX STATIC PONDING LIMITS		USF= UNDERSIDE OF FOOTING
	100-YR PONDING LIMITS		EP EDGE OF PAVEMENT
	100-YR +20% PONDING LIMITS		TC TOP OF CURB
	FEATURE WALL		FDC FIRE DEPARTMENT CONNECTION
			DS ROOFTOP DOWNSPOUT LOCATION

- GENERAL NOTES:**
- DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
  - CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
  - BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING. INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED. AMOUNT OF INSURANCE TO BE SPECIFIED BY OWNER'S AGENT.
  - CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
  - DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
  - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING CONSTRUCTION.
  - RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF CITY OF OTTAWA AUTHORITIES.
    - ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R-10.
    - THICKNESS OF GRANULAR MATERIAL AND ASPHALT LAYERS TO MATCH EXISTING.
    - BOULEVARDS SHALL BE REINSTATED WITH 100mm OF TOPSOIL, SEED AND MULCH.
  - REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
  - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
  - REFER TO GEOTECHNICAL INVESTIGATION PG4872-1 (DATED MAY 3, 2019), PREPARED BY PATERSON GROUP FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
  - PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.

- GRADING AND PAVEMENT NOTES:**
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED HARD SURFACE (i.e. PAVEMENT, CURB, SIDEWALK, ETC.) AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
  - EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE HEAVILY PROOF ROLLED WITH A LARGE (10 TON) VIBRATORY STEEL DRUM ROLLER UNDER DRY CONDITIONS AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
  - ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
  - THE GRANULAR BASE SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
  - ROADWAY SUBGRADE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION TO REVIEW IF A WOVEN GEOTEXTILE IS REQUIRED BELOW THE GRANULAR MATERIALS, AND TO CONFIRM THE DEPTH AND COMPACTION OF GRANULAR 'B'.
  - PRIOR TO PLACEMENT OF TOPLIFT, THE CONTRACTOR SHALL ADJUST ALL STRUCTURES TO FINAL GRADE PER CITY OF OTTAWA STANDARDS.
  - MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
  - MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
  - ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
  - ALL CURBS SHALL BE BARRIER CURB UNLESS OTHERWISE NOTED AND CONSTRUCTED PER CITY OF OTTAWA STANDARD (SC-1).
  - REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.

**PAVEMENT STRUCTURE:**

40mm	ASPHALT SP12.5
50mm	ASPHALT SP19.0
150mm	GRAN "A"
400mm	GRAN "B" TYPE II
640mm	TOTAL DEPTH

**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
3.	CITY SUBMISSION	SEP 18/24	MAB
2.	CITY SUBMISSION	NOV 3/23	MAB
1.	CITY SUBMISSION	OCT 19/21	MAB

DESIGN	SCALE												
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DTD	DRAWN	MAB											
MAB	CHECKED	JGR											
MAB	APPROVED	JGR											

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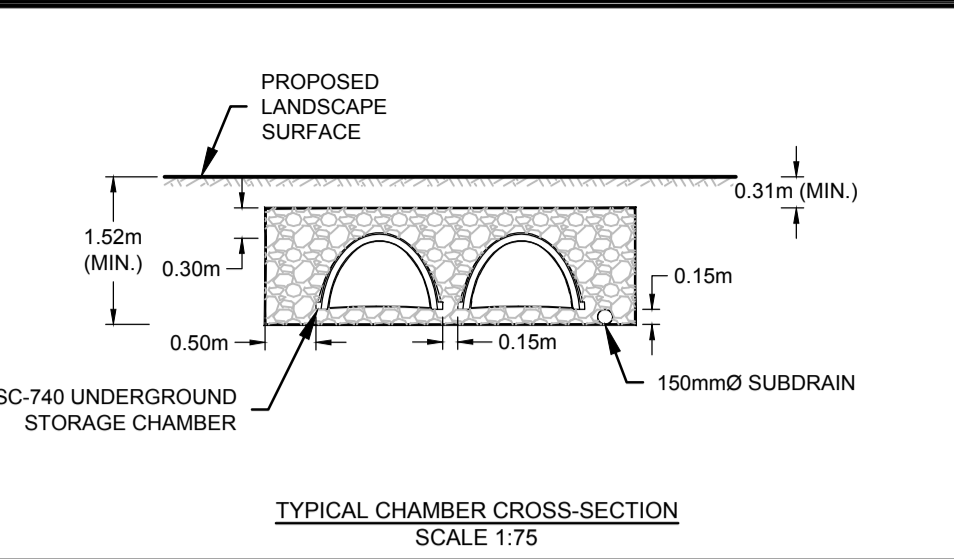
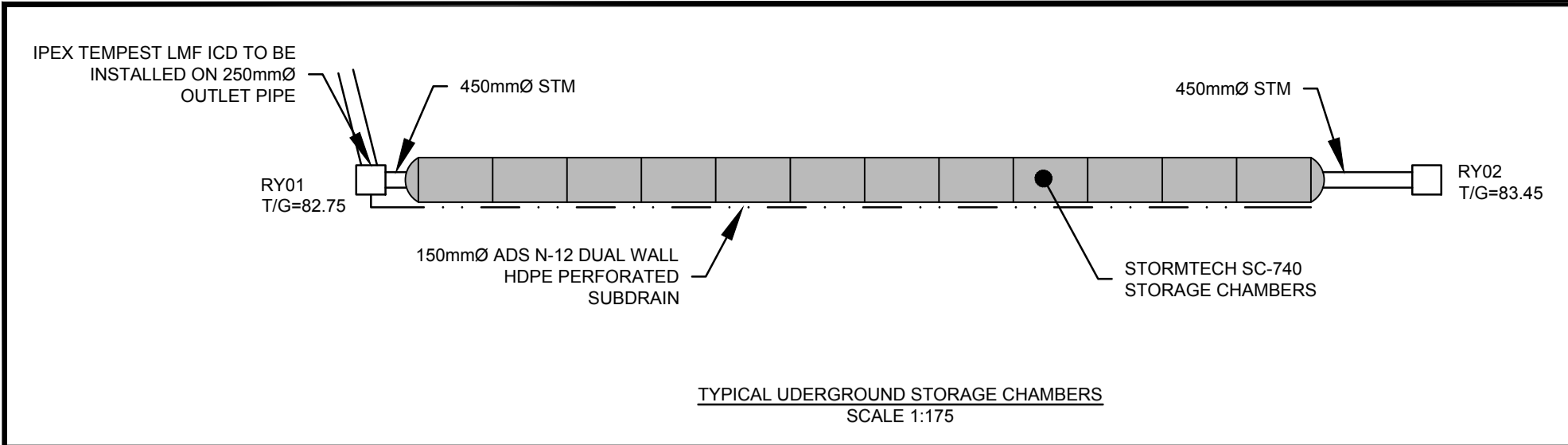
CITY OF OTTAWA  
1104 HALTON TERRACE

**GRADING PLAN**

PROJECT No.	119024
REV # 3	REV # 3
DRAWING No.	119024-GR

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PLAN #18654 D07-12-21-0186



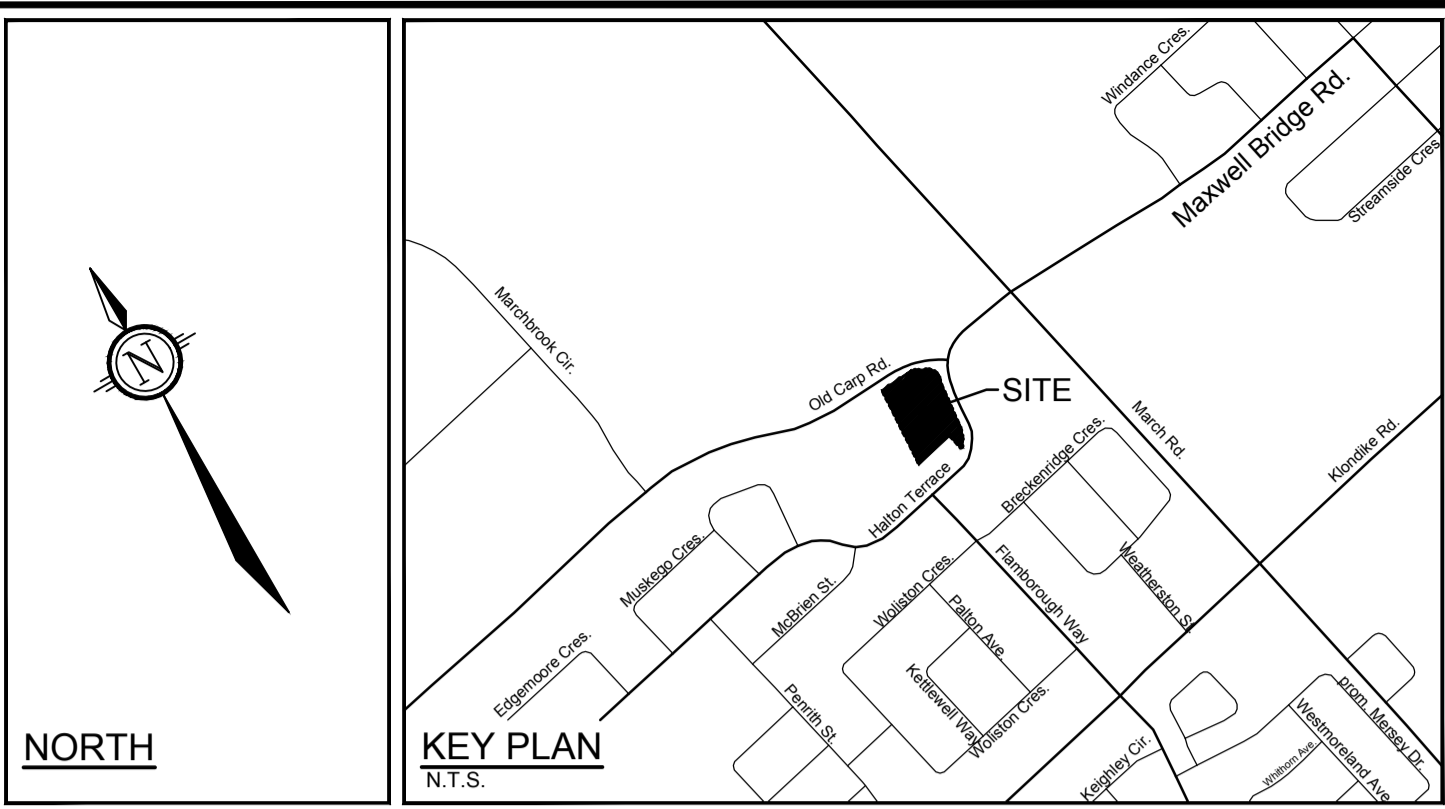
ICD TABLE				
STRUCTURE ID	ICD TYPE	INVERT (m)	100-YR HEAD (m)	100-YR PEAK FLOW (L/s)
CBMH2	TEMPEST LMF	SE=82.88 NW=83.48	2.97	6.7
CB1	112mm	NW=82.32	1.13	23.7
RY1	TEMPEST LMF	NE=81.38 NW=81.23	1.55	9.4
6	TEMPEST LMF	NW=82.70 SE=82.70	1.14	7.0

WATERMAIN TABLE			
Station	F/G ELEVATION	TOP OF WATERMAIN	DESCRIPTION
1+000.00	83.34	80.94	200x300 TEE
1+008.86	83.46	81.07	VB1
1+022.15	83.71	81.31	45° H.BEND
1+023.89	83.79	81.39	45° H.BEND
1+029.31	83.90	81.50	CAP

CATCHBASIN TABLE			
CB No.	T/G ELEVATION	INVERT	ICD DIA.
CB1	83.32	82.02	112mm
RY1	82.75	81.23	TEMPEST LMF
RY2	83.45	81.89	-
RY3	82.90	81.69	-
RY4	83.16	81.96	-
RY5	83.80	82.50	-
RY6	83.80	82.57	-

STM MANHOLE TABLE				
MANHOLE ID	SIZE (mm)	T/G ELEV	INVERT	PIPE DIA. (mm)
CBMH2	1800Ø	85.55	SE=82.88 NW=83.48	SE=300 NW=600
CBMH1	1800Ø	85.55	SE=83.69	SE=600
2	1200Ø	83.79	NE=81.18 SW=81.78	NE=450 SW=450
4	1200Ø	85.74	NE=82.17 NW=82.77	NE=450 NW=300
8	1200Ø	84.17	SE=82.77 NE=82.77	SE=600 NE=250
103	1200Ø	84.06	NW=80.23 S=80.52	NW=1500 S=1500
104	1200Ø	82.73	SE=80.00 NW=79.99	NE=1500 NW=375

SAN MANHOLE TABLE				
MANHOLE ID	SIZE (mm)	T/G ELEV	INVERT	PIPE DIA. (mm)
X1	1200Ø	84.21	S=81.78 W=82.11	S=250 W=200
1	1200Ø	84.36	NW=82.18 E=82.17	E=200 NW=200
3	1200Ø	84.02	SE=82.30 NW=82.33	SE=200 NW=200



**LEGEND**

- Sanitary Manhole, Sewer & Direction of Flow
- Storm Manhole, Sewer & Direction of Flow
- Watermain and Diameter
- Valve & Valve Box
- Bend and Thrust Block
- Hydrant CW Valve & Lead
- CAP
- Feature Wall
- Road Catchbasin
- Road Catchbasin with ICD
- Landscape Type Catchbasin
- Rear Yard Catch Basin
- Underground Storage Chambers with Subdrain
- Roof Top Downspout Location
- Pump Outlet Location
- Fire Department Connection
- Water Meter
- Remote Meter

**GENERAL NOTES:**

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- RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF MUNICIPAL AUTHORITIES.
- REMOVE FROM SITE ALL DEBRIS AND EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- REFER TO GEOTECHNICAL INVESTIGATION PG4872-1 (DATED MAY 3, 2019), PREPARED BY PATERSON GROUP INC. FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
- PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.

**SEWER NOTES:**

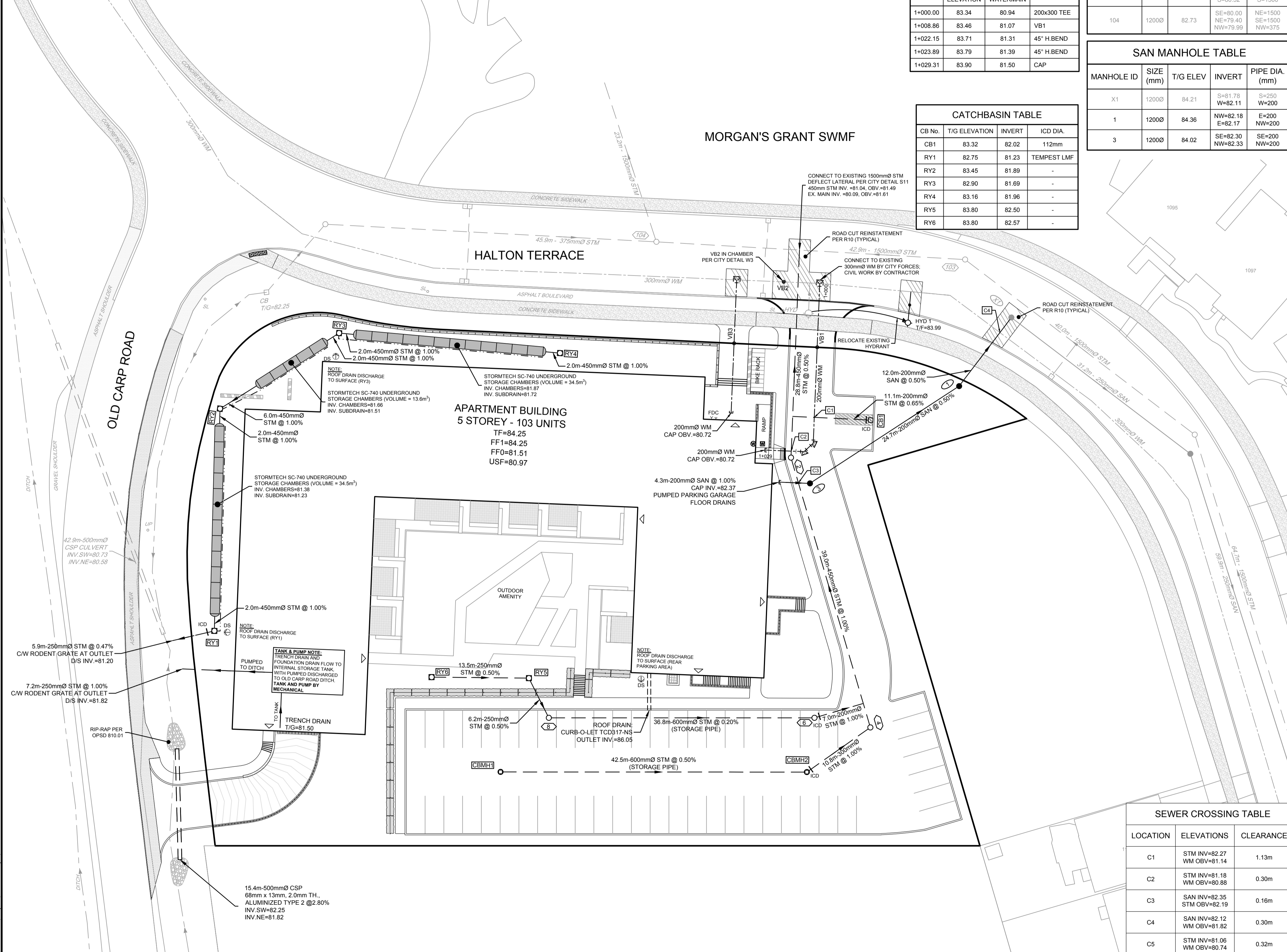
- SPECIFICATIONS:
 

ITEM	SPEC. No.	REFERENCE
CATCHBASIN (600x600mm)	705.010	OPSD
STORM / SANITARY MANHOLE (1200Ø)	701.010	OPSD
ROADSIDE CB, FRAME & COVER	S2 & S19	CITY OF OTTAWA
STORM / SANITARY MH FRAME & COVER	S24.1 / S24 & S25	CITY OF OTTAWA
STORM SEWER	PVC DR 35 OR CONC.	(CLASS SPECIFIED ON PROFILE DRAWINGS)
SANITARY SEWER	PVC DR 35	
CATCHBASIN LEAD	PVC DR 35	
- INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 1.5m COVER WITH 50mmX1200mm HI-40 INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- SERVICES ARE TO BE CONSTRUCTED TO PROPERTY LINE AT MINIMUM SLOPE OF 1.0% (2.0% IS PREFERRED).
- 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.
- SEWER SERVICE CONNECTIONS PER CITY OF OTTAWA DETAILS S11 AND S11.1.
- THE SITE SERVICING CONTRACTOR SHALL PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPS 410.07.16 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 THE ENGINEER.
- STORM MANHOLES AND CBMHS SHALL HAVE 300mm 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.

**WATERMAIN NOTES:**

- GENERAL:
 

ITEM	DETAIL No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER / OVER SEWER	W25 / W25.2	CITY OF OTTAWA
HYDRANT LOCATION	W18	CITY OF OTTAWA
- THE WATERMAIN SHALL BE PVC DR 18 IN ACCORDANCE WITH MATERIAL SPECIFICATION MW-18.1, UNLESS OTHERWISE INDICATED.
- 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 CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
- WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
- PROVIDE MINIMUM 0.50m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.



SEWER CROSSING TABLE		
LOCATION	ELEVATIONS	CLEARANCE
C1	STM INV=82.27 WM OBV=81.14	1.13m
C2	STM INV=81.18 WM OBV=80.88	0.30m
C3	SAN INV=82.35 STM OBV=82.19	0.16m
C4	SAN INV=82.12 WM OBV=81.82	0.30m
C5	STM INV=81.06 WM OBV=80.74	0.32m

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3.	CITY SUBMISSION	SEP 18/24	MAB
2.	CITY SUBMISSION	NOV 3/23	MAB
1.	CITY SUBMISSION	OCT 19/21	MAB

SCALE			
1:300			

DESIGN	
DTD	LWR
DRAWN	DTD
CHECKED	MAB
APPROVED	JGR

**FOR REVIEW ONLY**

LICENSED PROFESSIONAL ENGINEER  
L.R. WILSON  
100160055  
PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER  
M.A. BISSETT  
2024.09.18  
PROVINCE OF ONTARIO

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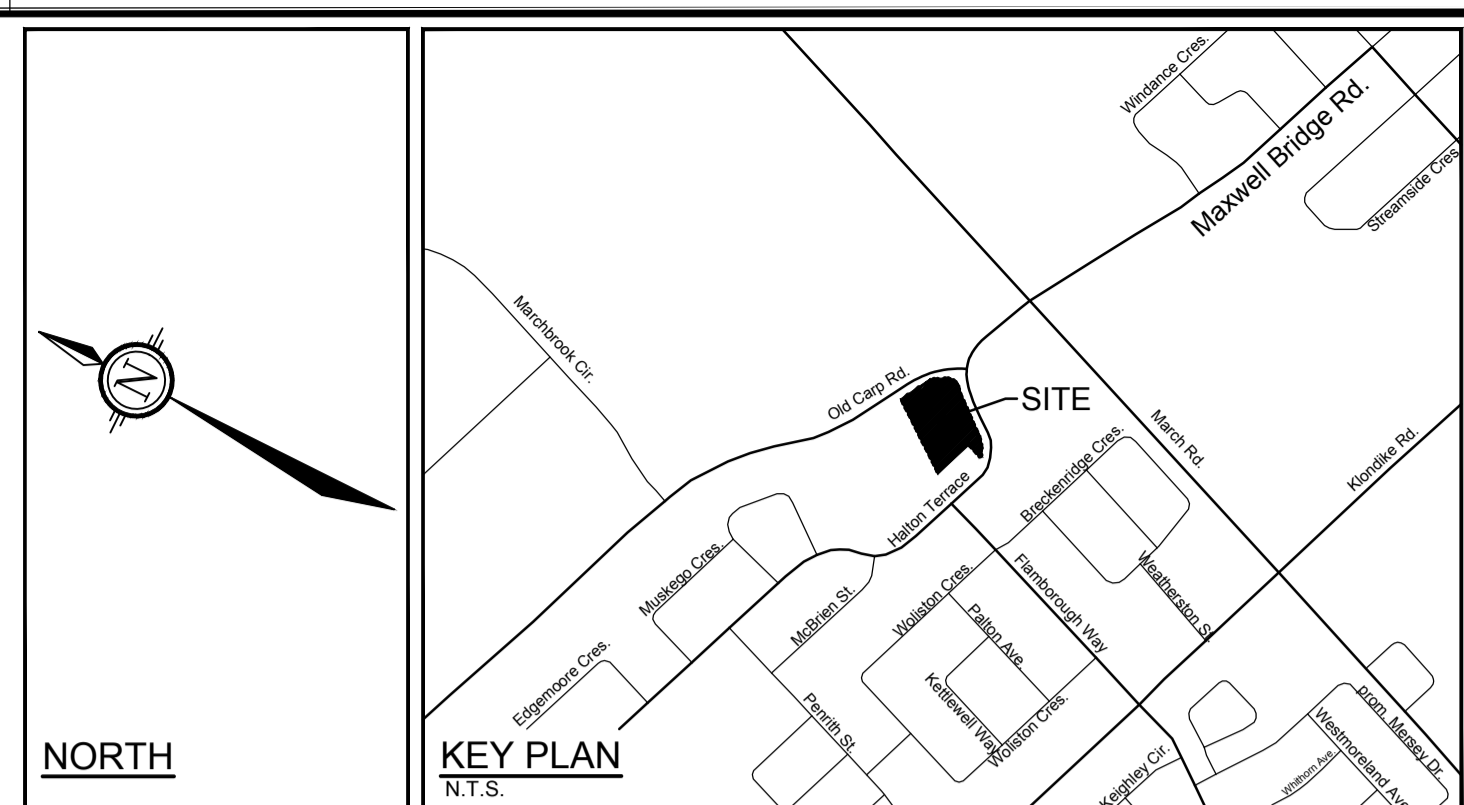
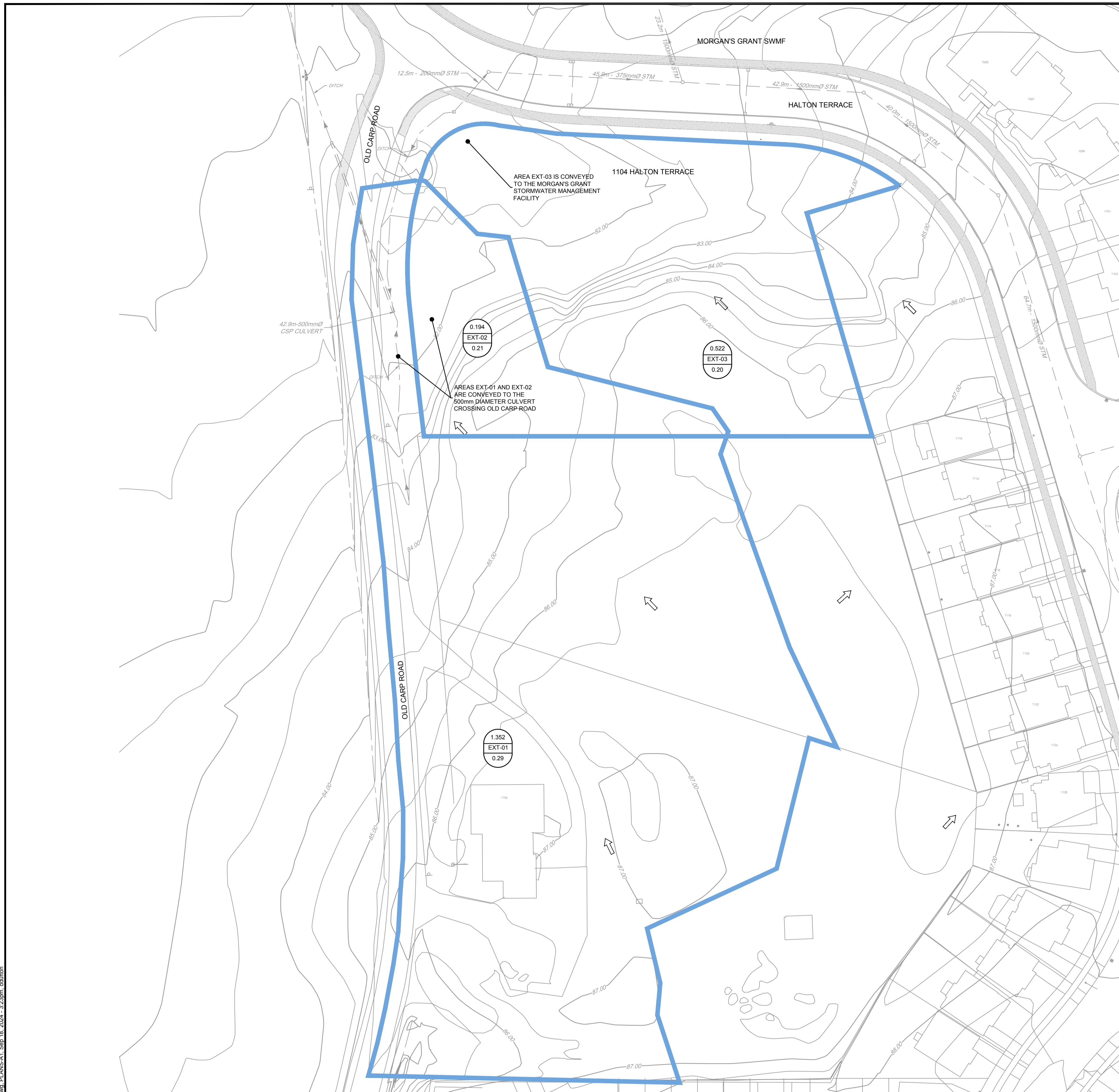
CITY OF OTTAWA  
1104 HALTON TERRACE

PROJECT No. 119024  
REV # 3  
DRAWING No. 119024-GP

**GENERAL PLAN OF SERVICES**

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PLAN #18654 D07-12-21-0186

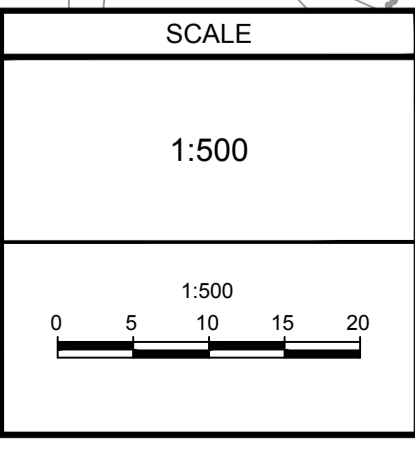


- LEGEND**
- 0.24 ha EXISTING AREA (hectares)
  - EXT-01 AREA ID
  - 0.65 RUN-OFF COEFFICIENT
  - EXISTING STORM DRAINAGE AREA BOUNDARY
  - EXISTING STORM MANHOLE / SEWER AND FLOW DIRECTION
  - EXISTING ROAD CATCHBASIN
  - ➔ EXISTING FLOW DIRECTION

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1.	CITY SUBMISSION	NOV 3/23	MAB

DESIGN	DTD
CHECKED	LWR
DRAWN	DTD
CHECKED	MAB
APPROVED	JGR



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CITY OF OTTAWA  
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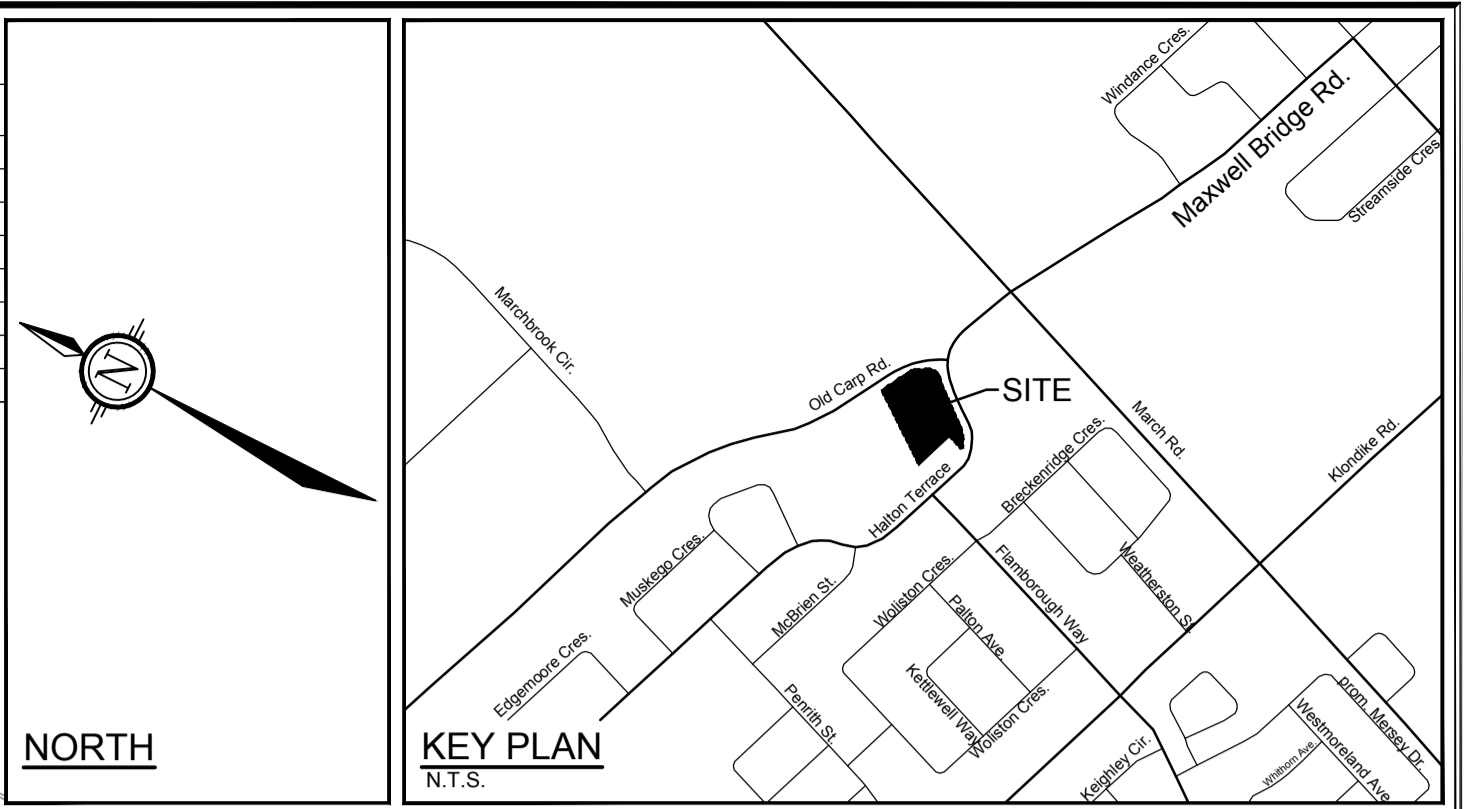
**PRE-DEVELOPMENT  
 STORM DRAINAGE AREA PLAN**

PROJECT No.	119024
REV	REV # 2
DRAWING No.	119024-STM1

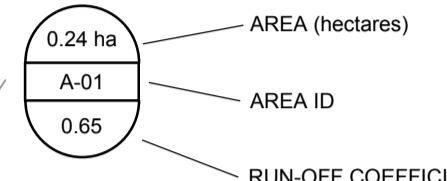
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PLAN #18654 D07-12-21-0186

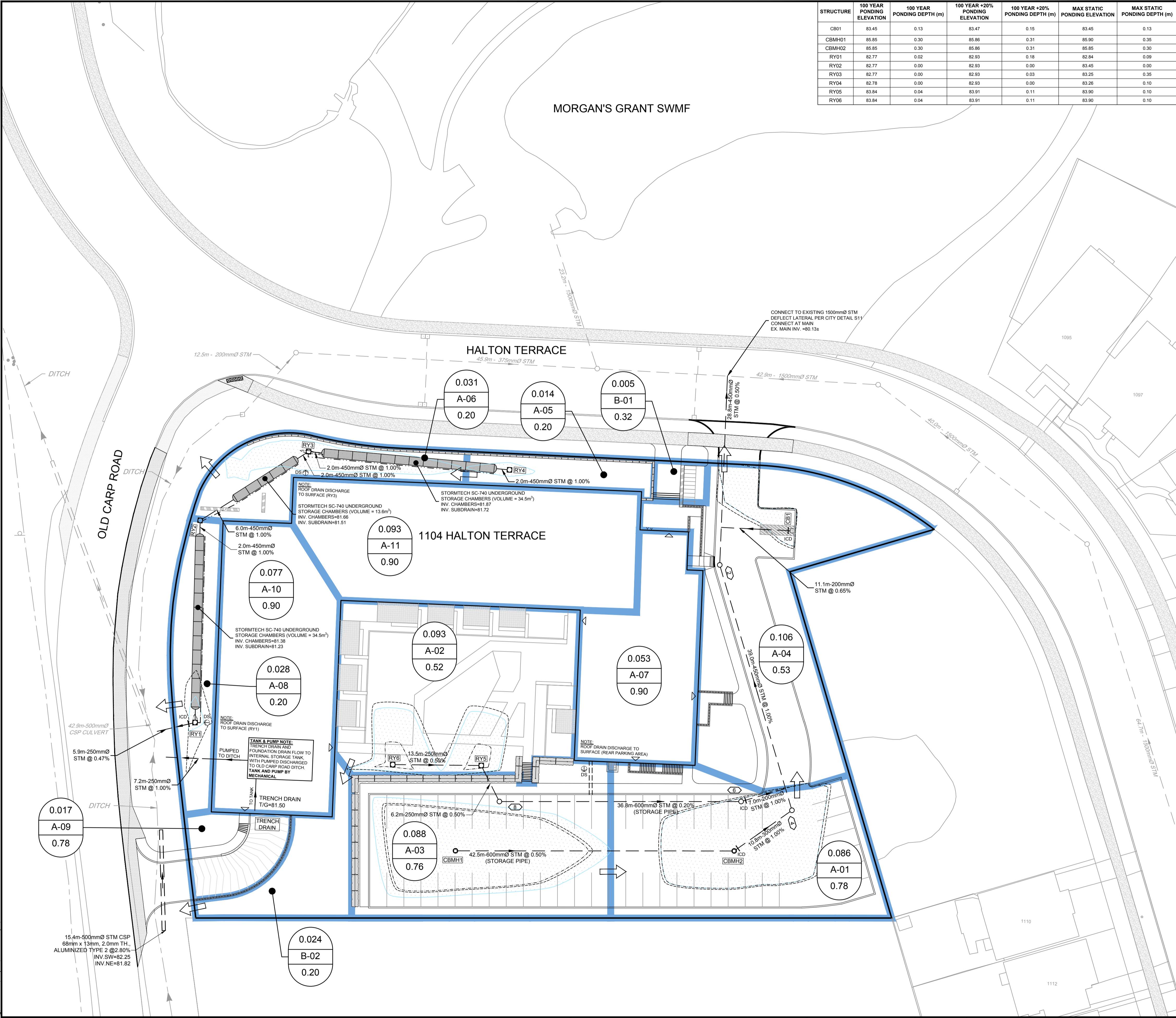
STRUCTURE	100 YEAR PONDING ELEVATION	100 YEAR PONDING DEPTH (m)	100 YEAR +20% PONDING ELEVATION	100 YEAR +20% PONDING DEPTH (m)	MAX STATIC PONDING ELEVATION	MAX STATIC PONDING DEPTH (m)
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CBMH01	85.85	0.30	85.86	0.31	85.90	0.35
CBMH02	85.85	0.30	85.86	0.31	85.85	0.30
RY01	82.77	0.02	82.93	0.18	82.84	0.09
RY02	82.77	0.00	82.93	0.00	83.45	0.00
RY03	82.77	0.00	82.93	0.03	83.25	0.35
RY04	82.78	0.00	82.93	0.00	83.26	0.10
RY05	83.84	0.04	83.91	0.11	83.90	0.10
RY06	83.84	0.04	83.91	0.11	83.90	0.10



NORTH



ICD TABLE				
STRUCTURE ID	ICD TYPE	INVERT (m)	100-YR HEAD (m)	100-YR PEAK FLOW (L/s)
CB1	112mm	NW=82.32	1.13	23.7
CBMH2	TEMPEST LMF	SE=82.88 NW=83.48	2.97	6.7
RY1	TEMPEST LMF	NE=81.38 NW=81.23	1.55	9.4
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1.	CITY SUBMISSION	OCT 19/21	MAB

SCALE	
1:300	
0 3 6 9 12	

DESIGN	
DTD	CHECKED
LWR	DRAWN
DTD	CHECKED
MAB	APPROVED
JGR	APPROVED

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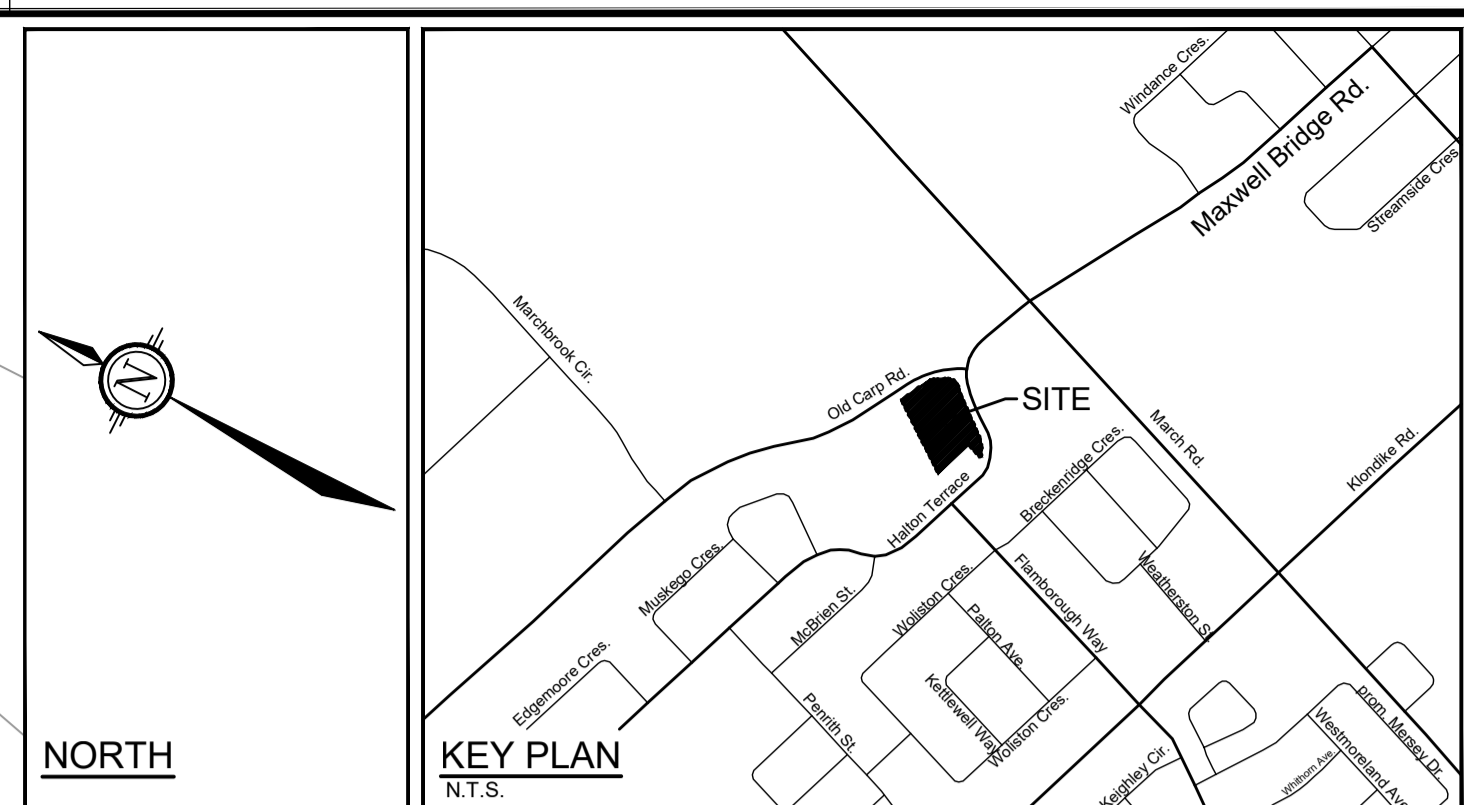
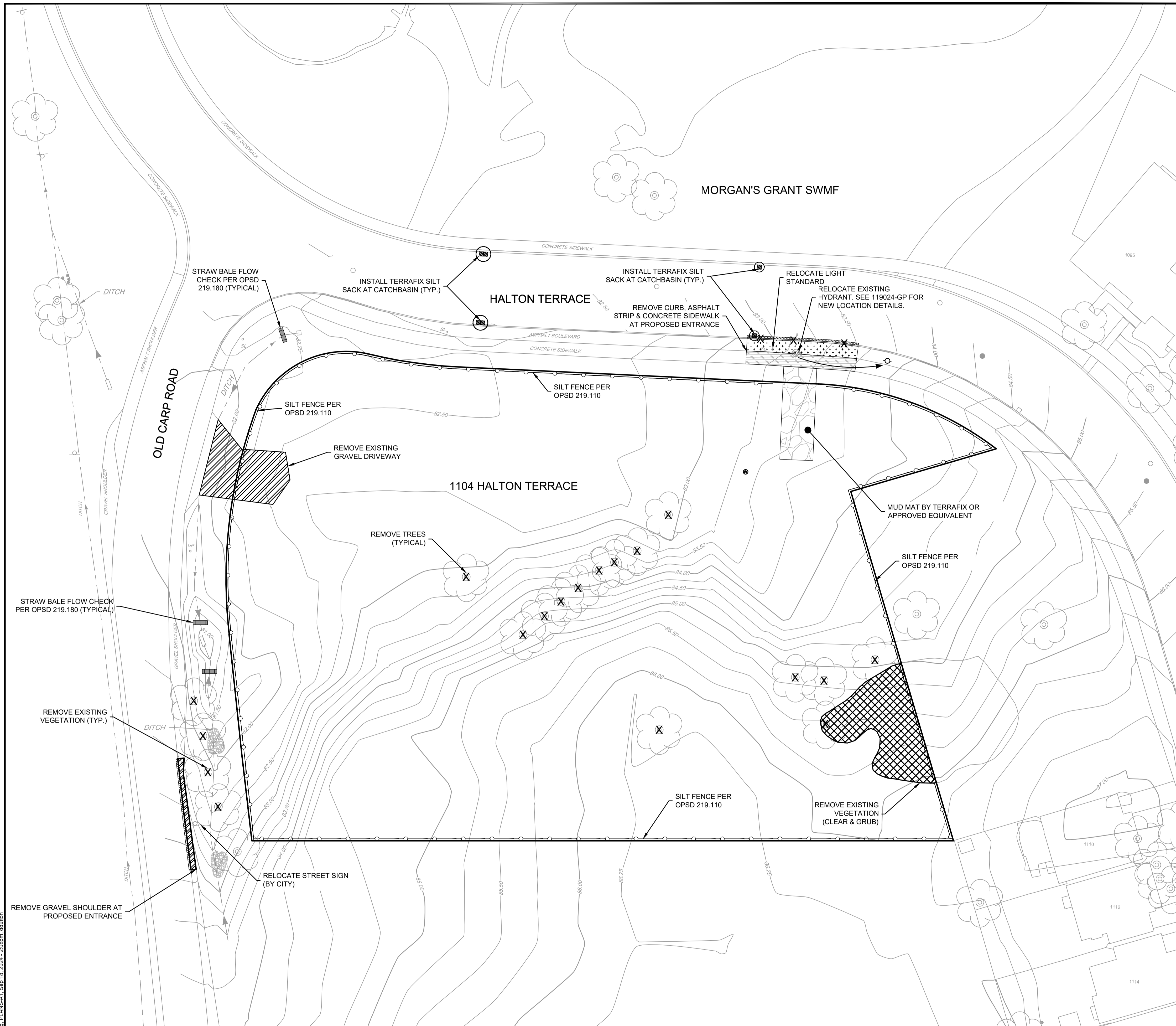
CITY OF OTTAWA  
1104 HALTON TERRACE

**STORM DRAINAGE AREA PLAN**

PROJECT No: 119024  
REV # 3  
DRAWING No: 119024-STM2

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PLAN #18654 D07-12-21-0186



**LEGEND**

	CLEARING AND GRUBBING		REMOVE CONCRETE SIDEWALK
	GRAVEL SHOULDER & DRIVEWAY REMOVAL		EXISTING CONTOUR AND ELEVATION
	REMOVE ASPHALT		MUD MATS
	REMOVALS		SILT SACK INSTALLED AT EXISTING CATCHBASIN
	SILT FENCE PER OPSD 219.110		STRAW BALE FLOW CHECK PER OPSD 219.180

- EROSION AND SEDIMENT CONTROL NOTES :**
1. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, THE MUNICIPALITY AND THE CONSERVATION AUTHORITY. THEY ARE TO BE 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. THESE PRACTICES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AND SHOULD INCLUDE AS A MINIMUM THOSE MEASURES INDICATED ON THE PLAN.
  2. TO PREVENT SURFACE EROSION FROM ENTERING THE DITCH OR STORM SYSTEM DURING CONSTRUCTION, SILT SACKS WILL BE PLACED UNDER GRATES OF ALL PROPOSED AND EXISTING CATCHBASINS AND STRUCTURES. A LIGHT DUTY SILT FENCE BARRIER WILL ALSO BE INSTALLED IN SELECTED LOCATIONS SHOWN ON THIS PLAN, AND STRAW BALE BARRIERS WILL BE INSTALLED WITHIN THE OUTLET DITCHES. THESE CONTROL MEASURES WILL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION COMPLETE.
  3. THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN, IN THE OPINION OF THE ENGINEER, THE MEASURES ARE NO LONGER REQUIRED. NO CONTROL MEASURES MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER.
  4. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO ANY DITCH OR STORM SEWER SYSTEM. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
  5. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
  6. THE CONTRACTOR SHALL ENSURE PROPER DUST CONTROL IS PROVIDED WITH THE APPLICATION OF WATER (AND IF REQUIRED, CALCIUM CHLORIDE) DURING DRY PERIODS.

- REMOVALS NOTES :**
1. ALL HYDRANTS, VALVES AND OTHER APPURTENANCES TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO CITY OF OTTAWA MAINTENANCE YARD AT CLYDE AVENUE.
  2. THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS.
  3. REMOVAL OF ALL ABOVE GROUND TRAFFIC PLANT AND STREETLIGHTING TO BE DONE BY OTHERS. CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING STREETLIGHTING, HYDRO POLES AND OVERHEAD LINES DURING CONSTRUCTION.
  4. ALL BELL AND HYDRO OTTAWA MAINTENANCE HOLE ADJUSTMENTS SHALL BE PERFORMED BY AN APPROVED CONTRACTOR ONLY.
  5. ALL TOPSOIL AND ANY SOFT, WET OR DELETERIOUS MATERIAL SHALL BE REMOVED FROM IMPROVED AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
  6. FORESTRY TO BE CONTACTED PRIOR TO ANY SELECTIVE PRUNING OR REMOVALS WITHIN THE AREAS OF TREES SURROUNDING THE TRANS CANADA TRAIL AND TREES THAT ARE TO REMAIN ARE TO HAVE PROPER TREE PROTECTION FENCING.

**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
3.	CITY SUBMISSION	SEP 18/24	MAB
2.	CITY SUBMISSION	NOV 3/23	MAB
1.	CITY SUBMISSION	OCT 19/21	MAB

SCALE			
1:300			

DESIGN			
DESIGNED	DTD		
CHECKED	LWR		
DRAWN	DTD		
CHECKED	MAB		
APPROVED	JGR		

**FOR REVIEW ONLY**

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CITY OF OTTAWA  
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**SITE REMOVALS, EROSION AND SEDIMENT CONTROL PLAN**

PROJECT No.	119024
REV	REV # 3
DRAWING No.	119024-ESC

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PLAN #18654 D07-12-21-0186