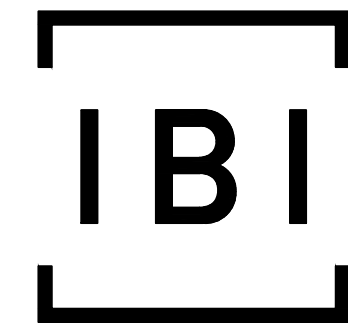
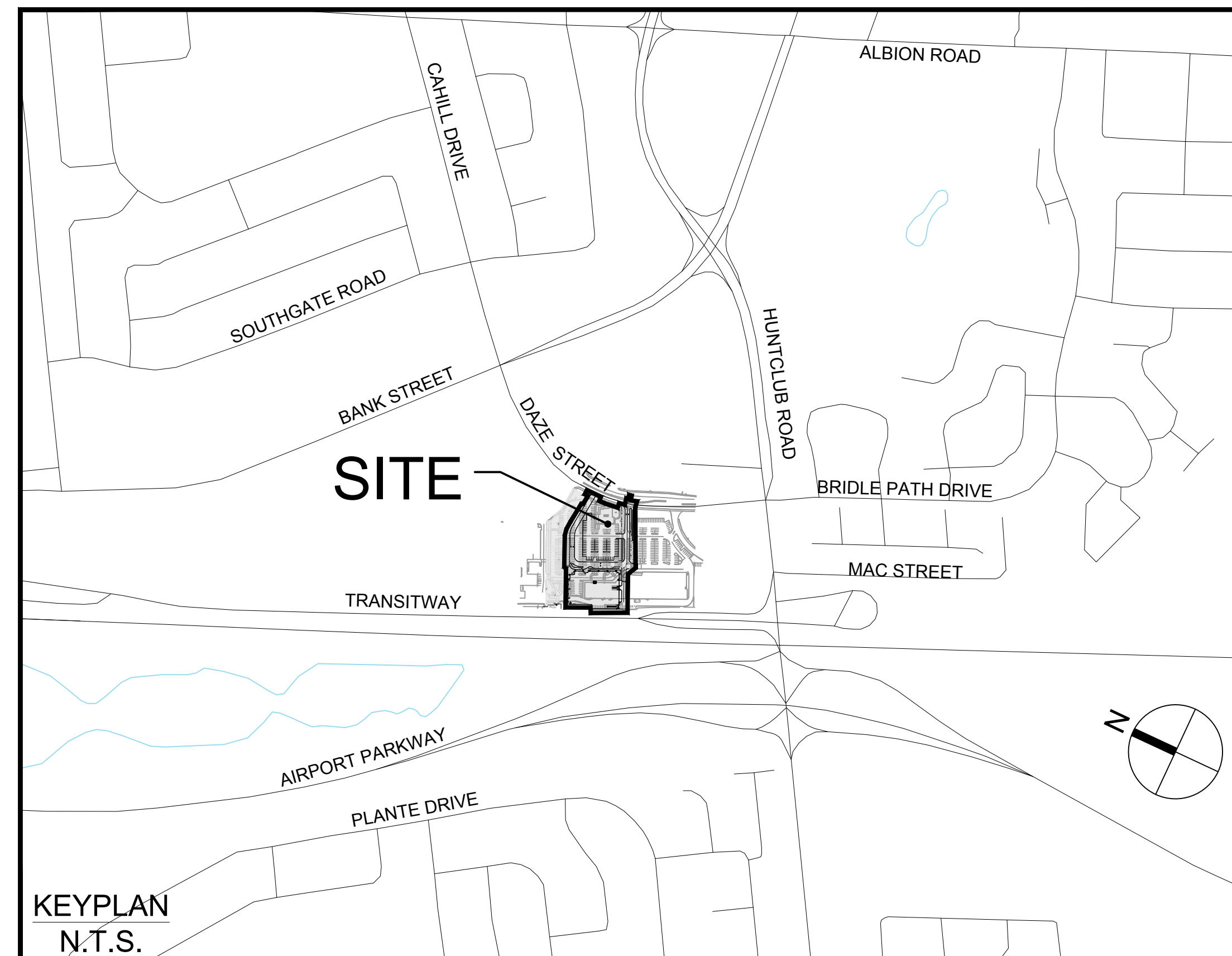


# SOUTH KEYS MALL 2200 BANK STREET



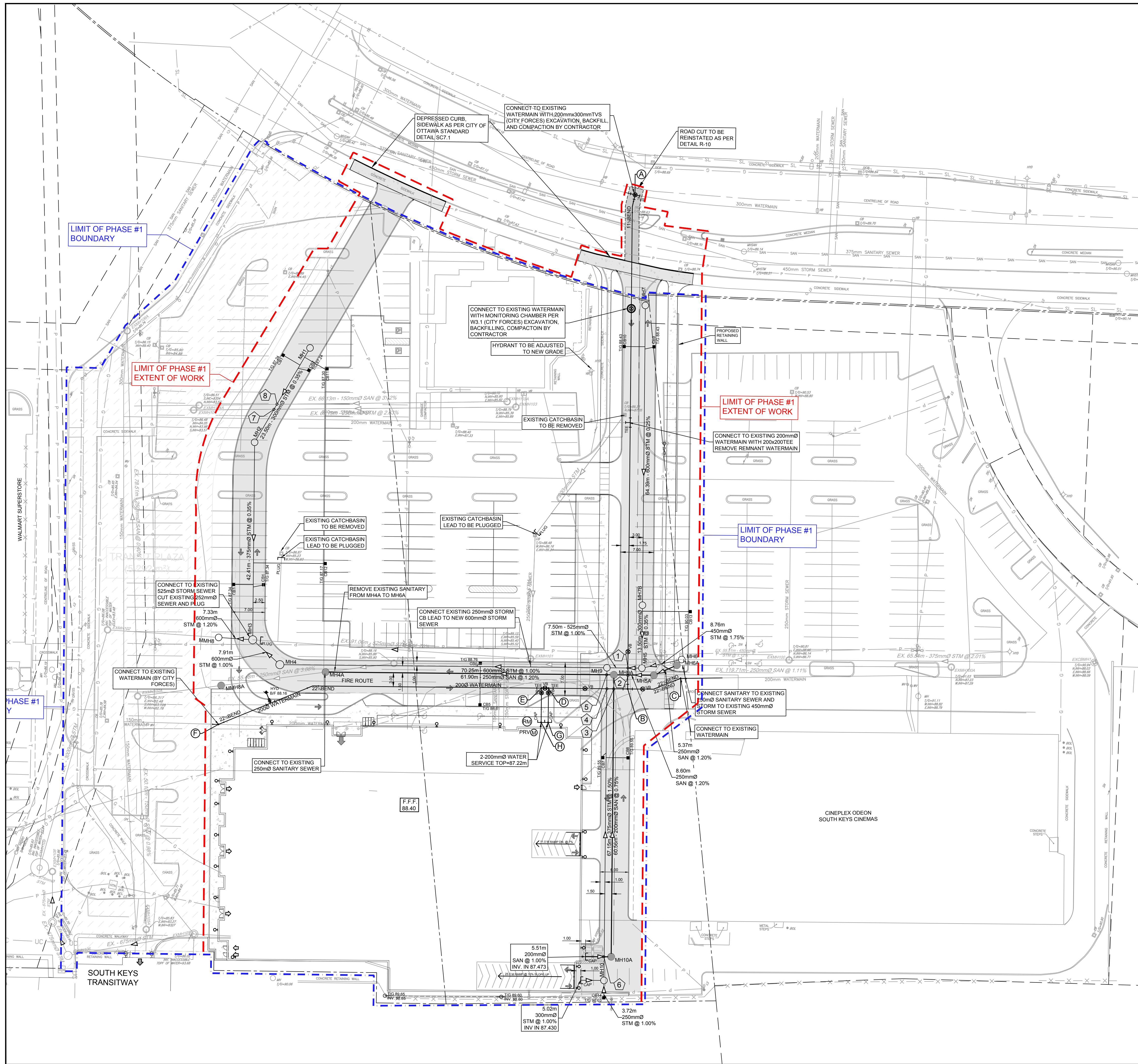
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Sheet List Table		
Sheet Number	Sheet Title	Sheet Description
C-000	Cover	
C-001	SITE SERVICING PLAN	
C-010	GENERAL NOTES, LEGEND AND CB DATA TABLE	
C-200	GRADING AND DRAINAGE PLAN	
C-400	SANITARY DRAINAGE AREA PLAN	
C-401	SANITARY DRAINAGE AREA PLAN MASTER PLAN	
C-500	STORM DRAINAGE AREA PLAN	
C-600	SITE PONDING PLAN	
C-900	EROSION AND SEDIMENTATION CONTROL PLAN	

## SOUTH PHASE - PHASE 1

CONTRACT NO. 135853



STM STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION
EXMH1	91.79			NW88.030		EXISTING CB MANHOLE
EXMH100	90.78	SE86.710		NW86.140		EXISTING MANHOLE
EXMH101	89.29	SE85.520 NE85.590		N85.450		EXISTING MANHOLE
EXMH102	88.08	S83.747		W83.400		EXISTING MANHOLE
MH1	87.38			W85.050		1200mmØ OPSD-701.010
MH2	87.62	E84.968		SW84.893		1200mmØ OPSD-701.010
MH3	87.76	NE84.744 S84.286		N84.256		1500mmØ OPSD-701.011
MH4	87.95	SE84.395		N84.365		1500mmØ OPSD-701.011
MH5	89.88	SE85.697 NE85.363		NW85.268		1200mmØ OPSD-701.010
MH6	90.36	SE85.882		NW85.850		1200mmØ OPSD-701.010
MH7	88.58			SW85.591		1200mmØ OPSD-701.010
MH7B	89.52	NE85.431		SW85.411		Eccentric Cylinder Metric
MH9	89.51	SE85.193 SW85.323		NW85.098		1200mmØ OPSD-701.010
MH10	90.04	NW87.380 SW88.510		NE86.330		1200mmØ OPSD-701.010

SAN STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION
EXMH100A	91.03			NW87.230		1200mmØ OPSD-701.010
EXMH101A	88.48	SE85.900		NW85.880		1200mmØ OPSD-701.010
EXMH102A	86.32	SE83.728 SW82.780		NE82.480		1200mmØ OPSD-701.010
MH4A	88.23	SE85.327		NW85.307		1200mmØ OPSD-701.010
MH5A	90.02	SE86.492		NW86.193		1200mmØ OPSD-701.010
MH6A	90.35	SE86.575		NW86.557		1200mmØ OPSD-701.010
MH8A	89.61	SE86.090 SW86.180		NW86.070		1200mmØ OPSD-701.010
MH10A	89.98	NW87.418		NE86.634		1200mmØ OPSD-701.010
MMH8A	87.73	SE84.429		NW84.429		1200mmØ OPSD-701.010

WATERMAIN SCHEDULE						
Station	Description	Finished Grade	Top of Watermain	Watermain Cover	As Built Watermain	As Built Watermain
A	0+000.00 CONNECT TO EXISTING 300 Ø WITH 200TVS	88.87	85.27	2.40		
	0+002.66 11.25 BEND	88.58	86.18	2.40		
	0+020.00 -	88.55	86.15	2.40		
	0+024.51 MONITORING CHAMBER PER W3.1	88.56	86.16	2.40		
	0+040.00 -	88.83	86.43	2.40		
	0+048.99 200mmØ TEE	88.97	86.57	2.40		
	0+060.00 -	89.13	86.73	2.40		
	0+080.00 -	89.39	86.96	2.40		
	0+088.19 200VAVB	89.54	87.24	2.40		
	0+100.00 -	89.69	87.29	2.40		
B	0+106.19 200mmØ TEE	89.84	87.44	2.40		
C	0+000.00 CONNECT TO EXISTING 200mmØ WITH 22.5 BEND	90.30	87.90	2.40		
	0+006.26 22.5 BEND	90.30	87.90	2.40		
	0+008.58 200VAVB	90.01	87.61	2.40		
	0+011.81 200mmØ TEE	89.84	87.44	2.40		
	0+020.00 -	89.55	87.15	2.40		
	0+020.97 200VAVB	89.52	87.12	2.40		
D	0+028.83 200mmØ TEE FOR BUILDING SERVICE	89.30	86.90	2.40		
	0+029.58 200VAVB	89.28	86.88	2.40		
	0+030.33 200mmØ TEE FOR BUILDING SERVICE	89.26	86.86	2.40		
	0+040.00 -	88.99	86.58	2.40		
	0+060.00 -	88.56	86.16	2.40		
	0+079.47 22.5 BEND	88.13	85.73	2.40		
	0+080.00 -	88.11	85.71	2.40		
	0+089.24 150mmØ HYDRANT TEE	87.97	85.57	2.40		
F	0+101.33 CONNECT TO EXISTING 200mmØ WITH 22.5 BEND	87.40	84.66	2.74		
D	0+000.00 200mmØ TEE FOR BUILDING SERVICE	89.30	86.90	2.40		
	0+001.00 200VAVB	89.31	86.91	2.40		
G	0+007.37 200mmØ CAP FOR BUILDING SERVICE	89.62	87.22	2.40		
E	0+000.00 200mmØ TEE FOR BUILDING SERVICE	89.26	86.86	2.40		
	0+001.00 200VAVB	89.28	86.88	2.40		
H	0+007.37 200mmØ CAP FOR BUILDING SERVICE	89.62	87.22	2.40		

Pipe Interference Table			
Crossing No.	PIPE 1	PIPE 2	Clearance
1	WTR Bottom 87.118	STM Top 85.852	1.266
2	WTR Bottom 87.154	SAN Top 86.384	0.771
3	WTR Bottom 87.022	SAN Top 86.408	0.614
4	WTR Bottom 87.069	STM Top 85.777	1.293
5	SAN Bottom 86.044	STM Top 85.732	0.313
6	SAN Bottom 87.427	STM Top 86.640	0.787
7	STM Bottom 84.968	STM Top 84.281	0.706
8	STM Bottom 84.992	SAN Top 84.214	0.778

CLIENT

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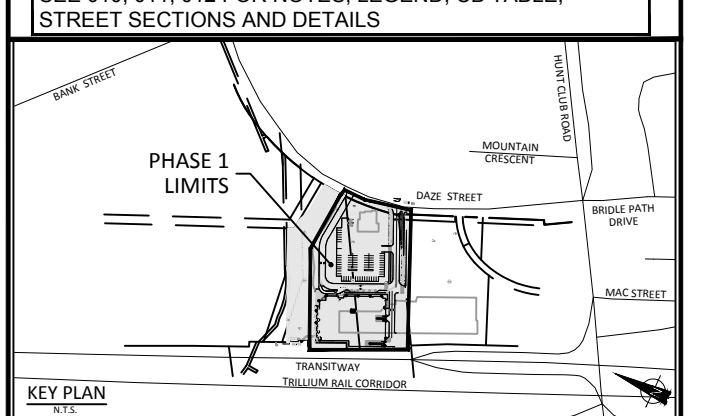
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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	2021-10-28
2	REVISED AS PER NEW SITE PLAN	2023-10-19
3		
4		
5		
6		
7		

SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.



CONSULTANTS

Project Coordinator  
Architect: RLA Architecture  
Landscape: Levstek consultants  
Surveyor: Stantec  
Geotech: Paterson Group  
Transportation Engineer: IBI Group  
Urban Planner: Stantec

SEAL

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PROJECT  
**SOUTH KEYS MALL**  
2200 BANK STREET

SOUTH PHASE - PHASE 1

PROJECT NO:  
135853

DRAWN BY:  
D.P.S.

CHECKED BY:  
A.C.

PROJECT MGR:  
J.I.M.

APPROVED BY:  
J.I.M.

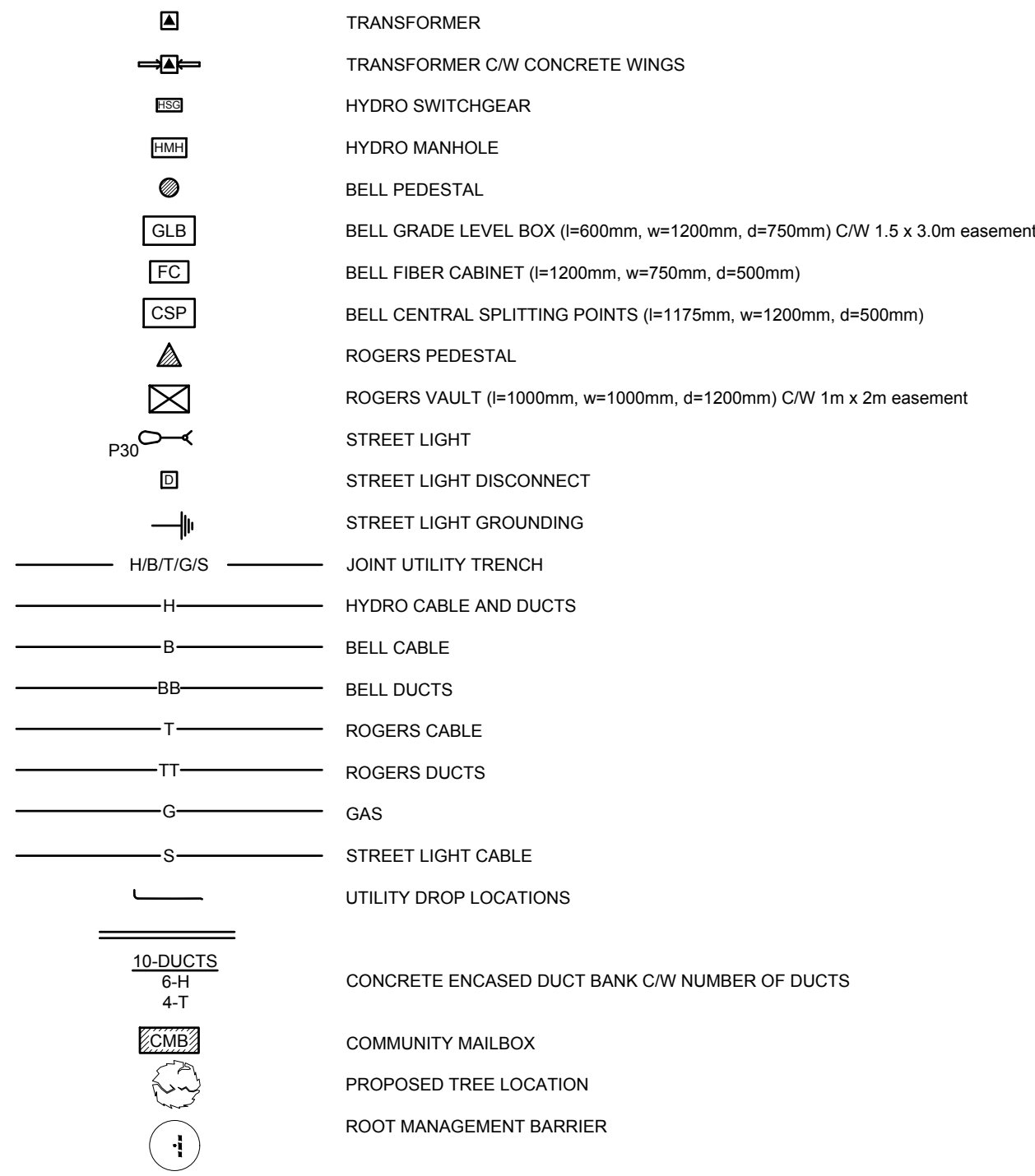
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SHEET NUMBER  
**C-001**

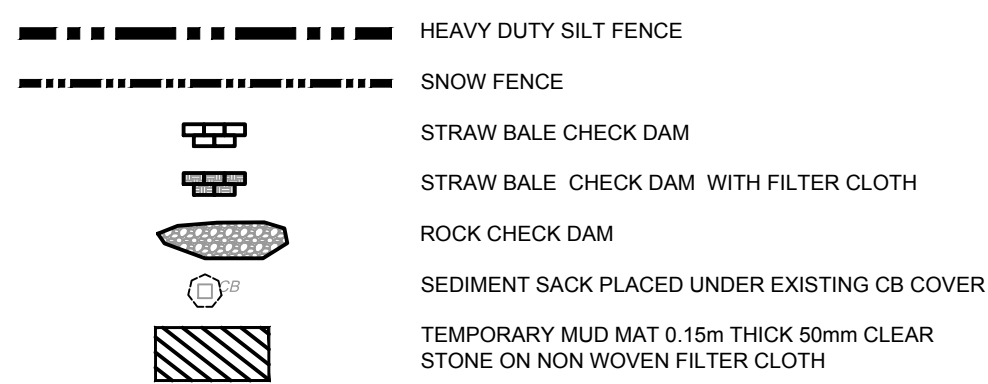
ISSUE  
**2**

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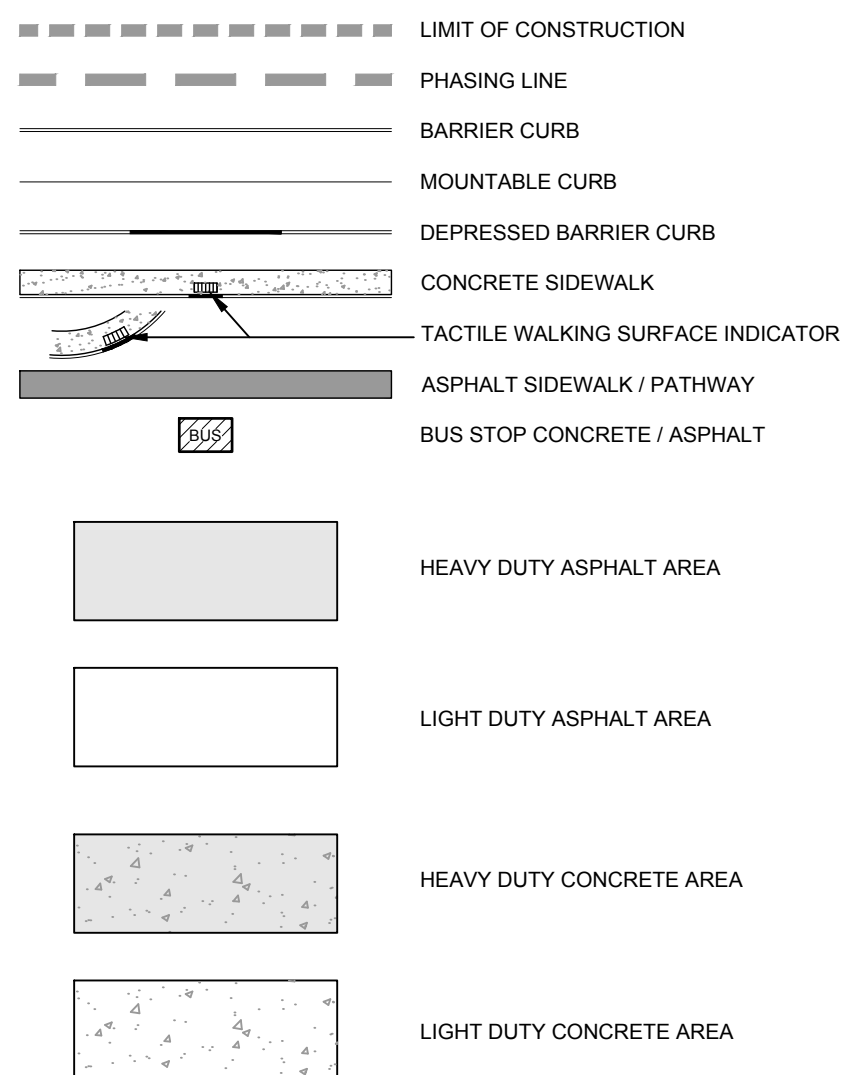
**UTILITY LEGEND**



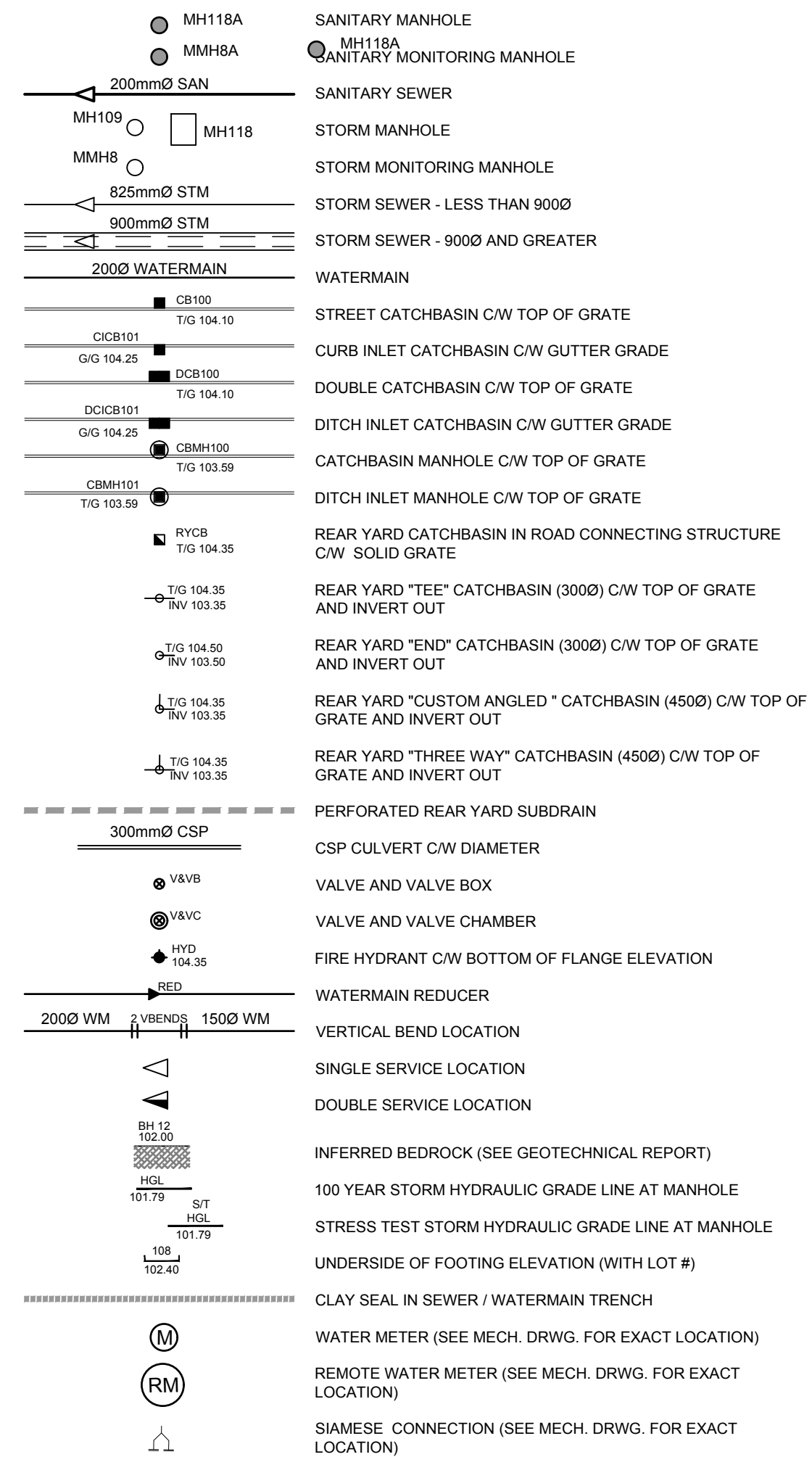
**SEDIMENT EROSION LEGEND**



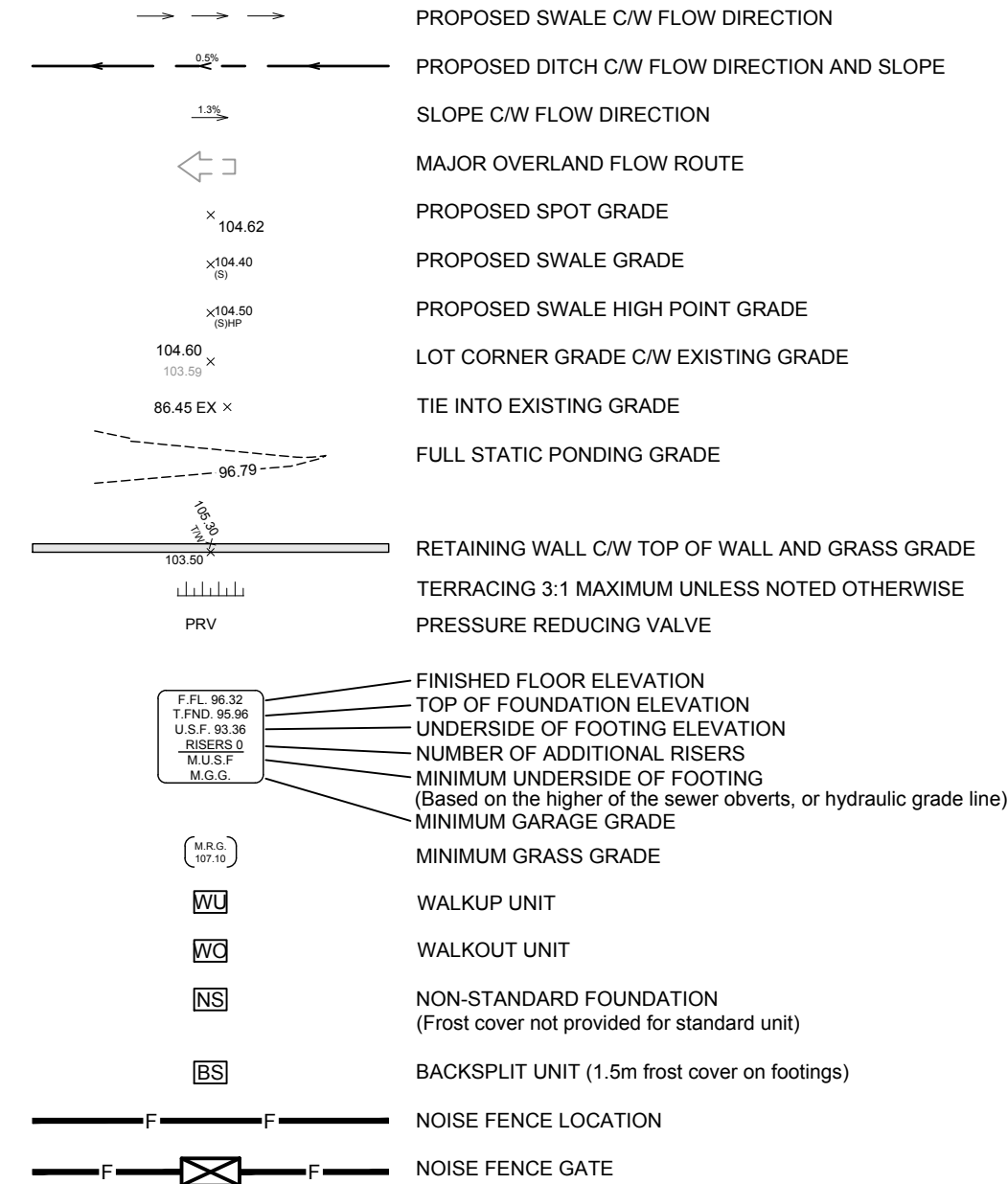
**GENERAL LEGEND**



**SERVICING LEGEND**



**GRADING LEGEND**



**NOTES :**

- ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
- FOR GEOTECHNICAL INFORMATION REFER TO REPORT NO. PG5242-1 REVISION 2 DATED SEPT. 13, 2021 - GEOTECHNICAL INVESTIGATION PROPOSED MULTI-STORY BUILDING - PHASE 1, 2210 BANK STREET OTTAWA, ONTARIO PREPARED BY PATERSON GROUP.

**5.8 Pavement Structure**

Car only parking areas, heavy truck parking areas and access lanes are anticipated at this site. The proposed flexible pavement structures are presented in Tables 6 and 7.

Thickness (mm)	Material Description
50	Wear Course - HL-3 or Superpave 12.5 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
300	SUBBASE - OPSS Granular B Type II

SUBGRADE: Either III, in situ soil, or OPSS Granular B Type I or II material placed over in situ soil or fill.

Thickness (mm)	Material Description
40	Wear Course - HL-3 or Superpave 12.5 Asphaltic Concrete
50	Binder Course - HL-8 or Superpave 18.0 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
450	SUBBASE - OPSS Granular B Type II

SUBGRADE: Either III, in situ soil, or OPSS Granular B Type I or II material placed over in situ soil or fill.

Report: P185242-1 Revision 2  
September 13, 2021  
Page 20

- FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC GEOMATICS BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
- ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMANS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMANS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- SILT FENCE TO BE ERRECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
- STRAW BALE SEDIMENT TRAPS TO BE PLACED AND MAINTAINED IN EXISTING AND CONSTRUCTED ROADSIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED (IF APPLICABLE).
- SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- ALL CONNECTIONS TO EXISTING WATERMANS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- ANY WATERMAIN WITH LESS THAN 2.4M DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
- ALL LEADS FOR STREET CBs TO AND CIBs CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCBs CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER CITY STANDARDS S14, S14.1 AND S14.2.
- THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY IBI GROUP FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
- ALL UTILITY BOXES (I.E. PEDESTALS, TRANSFORMERS, ETS) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD RIGHT OF WAY.
- THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSP. CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY DESIGNS.
- ALL WATERMAIN CROSSINGS TO BE COMPLETED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2.

**CLIENT**

**SMARTCENTRES**  
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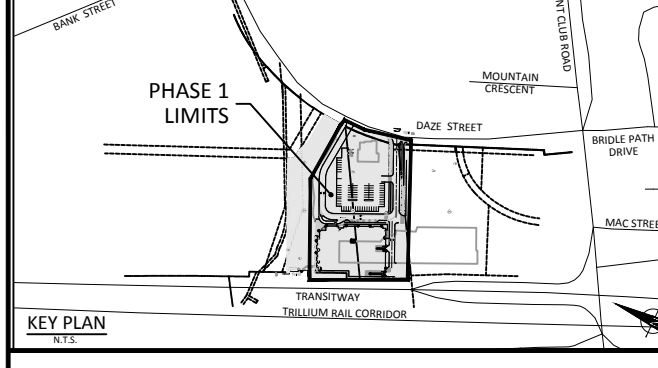
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**ISSUES**

No.	DESCRIPTION	DATE
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.



**CONSULTANTS**

Project Coordinator  
Architect: RLA Architectue  
Landscape: Levstek consultants  
Surveyor: Stantec  
Geotech: Paterson Group  
Transportation Engineer: IBI Group  
Urban Planner: Stantec

**SEAL**

LICENSED PROFESSIONAL ENGINEER  
A. CHETRAR  
100528180  
2023/10/19  
PROVINCE OF ONTARIO

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**PROJECT**

**SOUTH KEYS MALL  
2200 BANK STREET**

**SOUTH PHASE - PHASE 1**

PROJECT NO: 135853  
DRAWN BY: D.P.S.  
PROJECT MGR: J.I.M.

CHECKED BY: A.C.  
APPROVED BY: J.I.M.

**SHEET TITLE**

**GENERAL NOTES,  
LEGEND AND  
CB DATA TABLE**

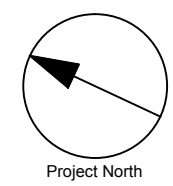
SHEET NUMBER: **C-010** ISSUE: **2**

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CB1	OPSD 705.010	S19	87.24	85.790	200	PVC DR-35	1.65	13.0	Tempest HF
CB2	OPSD 705.010	S19	87.24	85.790	200	PVC DR-35	1.65	13.0	Tempest HF
CB3	OPSD 705.010	S19	87.34	85.850	200	PVC DR-35	1.65	15.0	Tempest HF
CB4	OPSD 705.010	S19	87.34	85.850	200	PVC DR-35	1.65	15.0	Tempest HF
CB5	OPSD 705.010	S19	88.81	87.060	200	PVC DR-35	1.65	6.0	Tempest Vortex
CB6	OPSD 705.010	S19	88.76	87.130	200	PVC DR-35	1.65	6.0	Tempest Vortex
CB7	OPSD 705.010	S19	89.55	87.950	200	PVC DR-35	1.65	17.5	Tempest HF
CB8	OPSD 705.010	S19	89.55	87.950	200	PVC DR-35	1.65	17.5	Tempest HF
CB9	OPSD 705.010	S19	88.43	86.680	200	PVC DR-35	1.65	22.5	Tempest HF
CB10	OPSD 705.010	S19	88.43	86.680	200	PVC DR-35	1.65	22.5	Tempest HF
CB11	OPSD 705.010	S19	87.30	85.700	200	PVC DR-35	1.65	6.0	Tempest Vortex
CB12	OPSD 705.010	S19	87.17	85.890	200	PVC DR-35	1.65	10.0	Tempest Vortex
CB13	OPSD 705.010	S19	90.03	88.530	200	PVC DR-35			
CB14	OPSD 705.010	S19	90.03	88.530	200	PVC DR-35			
EXCB	OPSD 705.010	S19	88.40	86.870	200	PVC DR-35	1.65	10.0	Tempest Vortex
EXCB	OPSD 705.010	S19	88.48	86.880	200	PVC DR-35	1.65	12.0	Tempest Vortex

Bold font indicates CB's with ICD's

Revision: 2023-10-19

CITY FILE No. D07-12-21-0182  
Plotter: Thursday, October 19, 2023, 1:38:07 PM by Don Simma  
Last Saved: October 19, 2023, 1:38:07 PM by dsimma  
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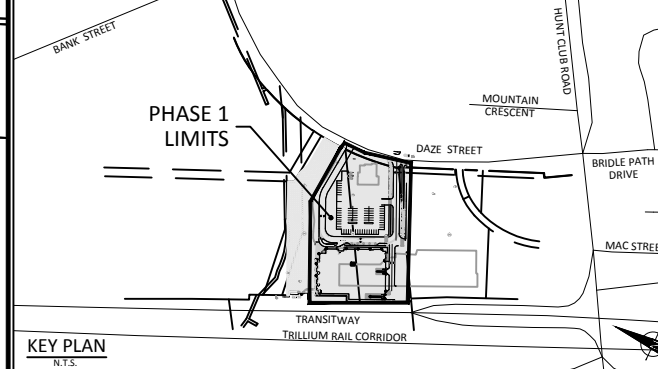
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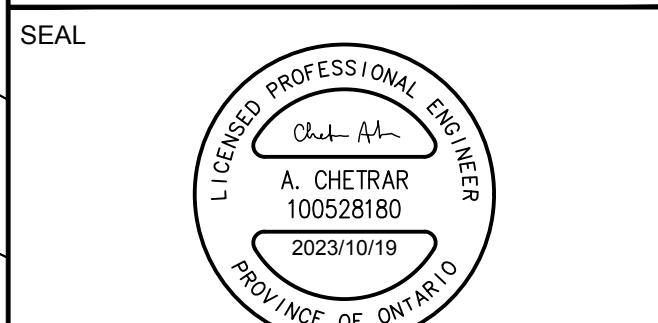
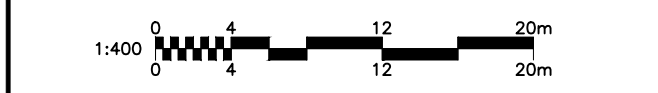
ISSUES

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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



CONSULTANTS  
 Project Coordinator  
 Architect: RLA Architectue  
 Landscape: Levstek consultants  
 Surveyor: Stantec  
 Geotech: Paterson Group  
 Transportation Engineer: IBI Group  
 Urban Planner: Stantec



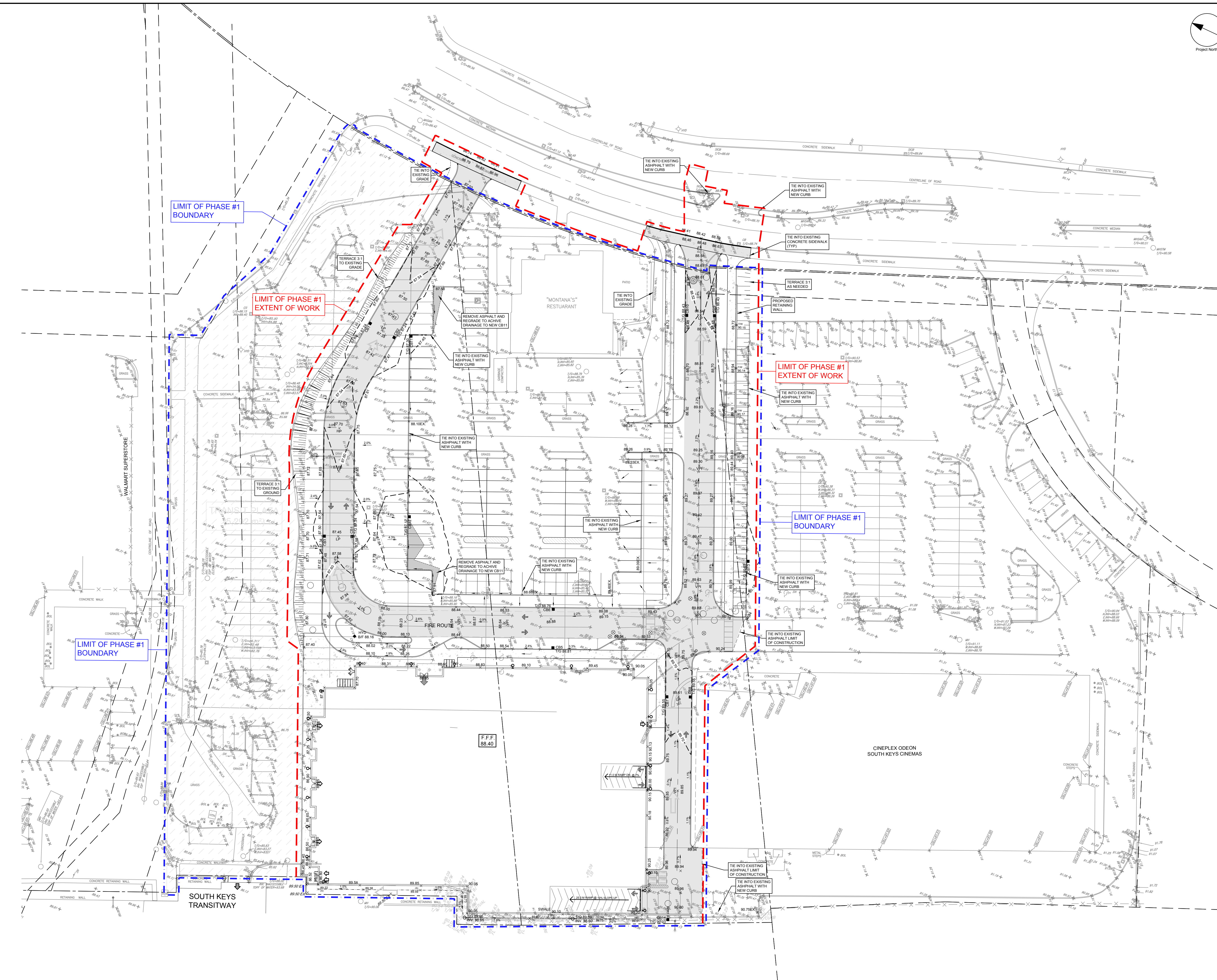
**IBI** GROUP  
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 Ottawa ON K1S 9M4 Canada  
 tel 613 225 1311 fax 613 225 5868  
 ibigroup.com

PROJECT  
**SOUTH KEYS MALL**  
**2200 BANK STREET**  
 SOUTH PHASE - PHASE 1

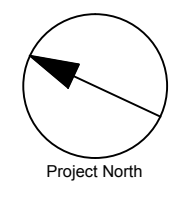
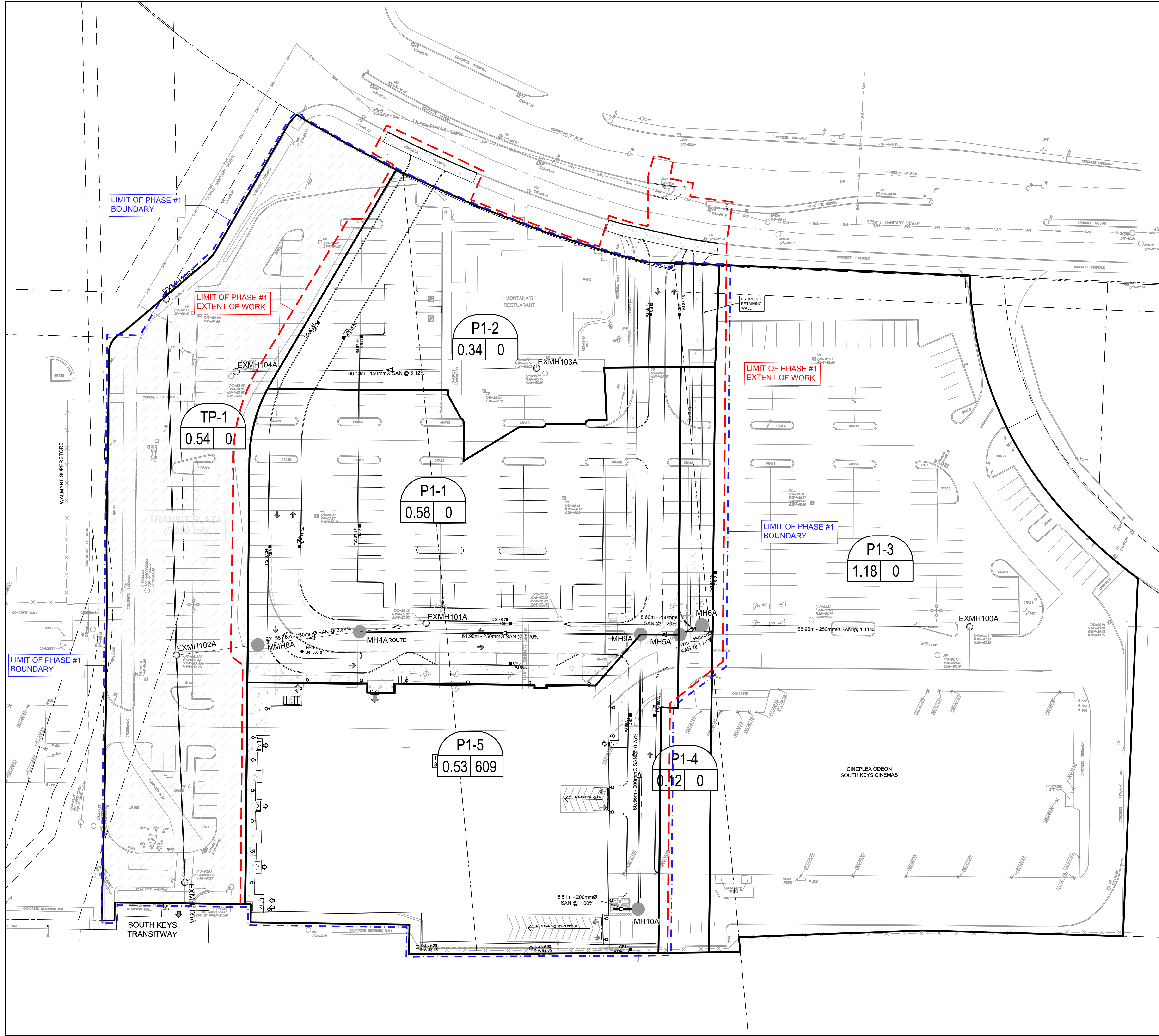
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**135853**  
 DRAWN BY: **D.P.S.** CHECKED BY: **A.C.**  
 PROJECT MGR: **J.I.M.** APPROVED BY: **J.I.M.**

SHEET TITLE  
**GRADING AND DRAINAGE PLAN**

SHEET NUMBER **C-200** ISSUE **2**



CITY FILE No. D07-12-21-0182  
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 SCALE CHECK

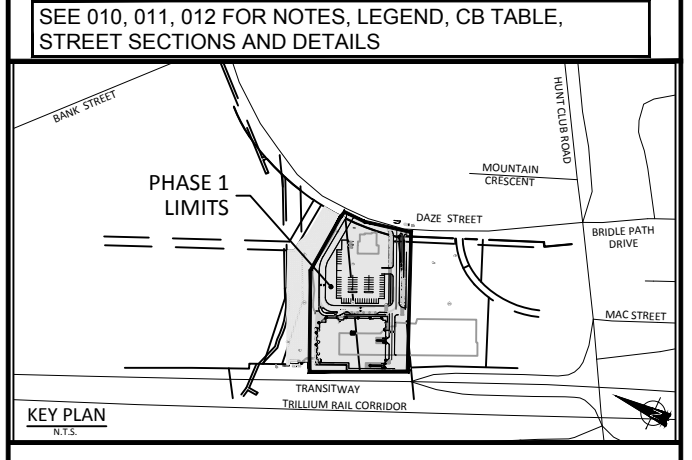


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 REAL ESTATE INVESTMENT TRUST  
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 VAUGHAN, ON L4K 5Z6  
 TEL: 905 326 6400

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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	2021-10-28
2	REVISED AS PER NEW SITE PLAN	2023-10-19
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7		



CONSULTANTS  
 Project Coordinator  
 Architect: RLA Architectue  
 Landscape: Levstek consultants  
 Surveyor: Stantec  
 Geotech: Paterson Group  
 Transportation Engineer: IBI Group  
 Urban Planner: Stantec

1:400  
 0 4 8 12 16 20m



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 ibigroup.com

PROJECT  
**SOUTH KEYS MALL**  
 2200 BANK STREET  
 SOUTH PHASE - PHASE 1

PROJECT NO:  
 135853  
 DRAWN BY:  
 D.P.S.  
 PROJECT MGR:  
 J.I.M.

CHECKED BY:  
 A.C.  
 APPROVED BY:  
 J.I.M.

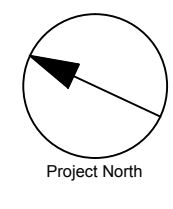
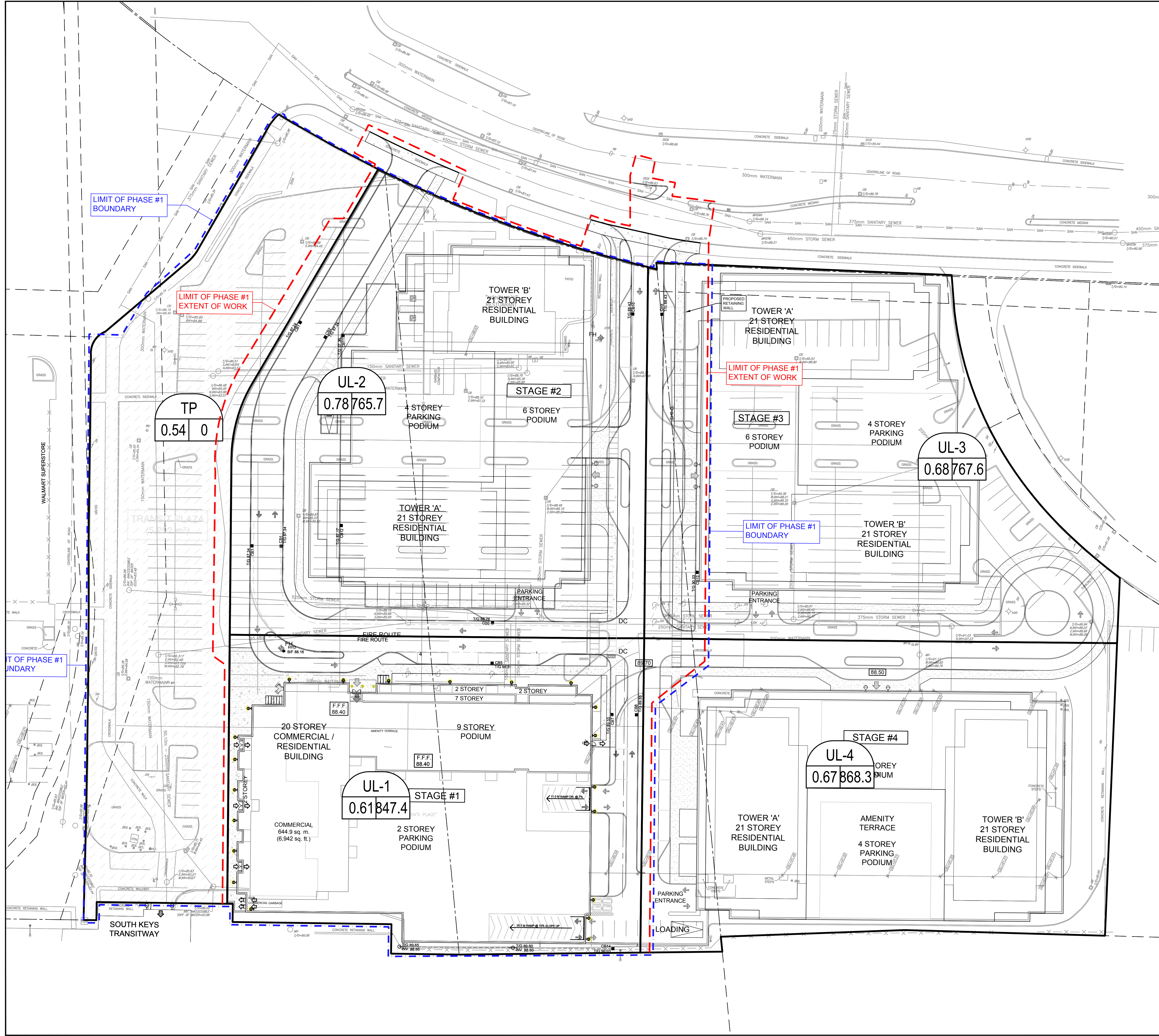
SHEET TITLE  
**SANITARY DRAINAGE**  
**AREA PLAN**

SHEET NUMBER  
**C-400**  
 ISSUE  
**2**

LEGEND :

P1-1	AREA NUMBER
0.54   235.6	POPULATION (1.9 PERSONS PER UNIT)
	AREA IN HECTARES

CITY FILE No. D07-12-21-0182  
 File Location: J:\135853\_SouthKeys\17\_0\_Production\17\_03\_Sanitary\DRAINAGE AREA PLAN.dwg Last Saved: October 16, 2023, by dauma Plotted: Thursday, October 19, 2023 1:16:19 PM by Don Suma

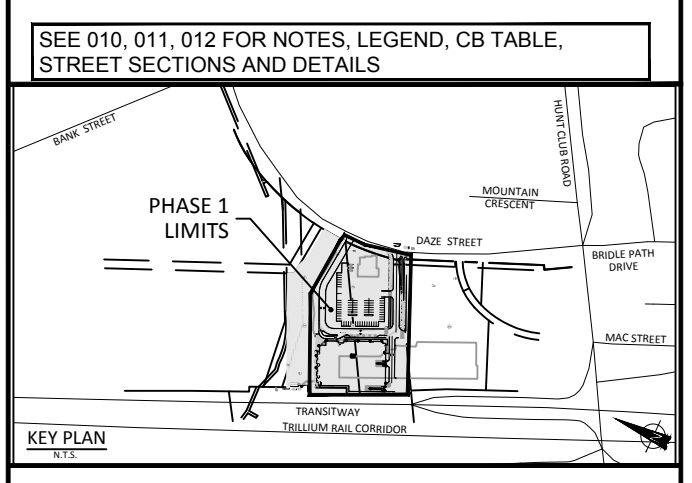


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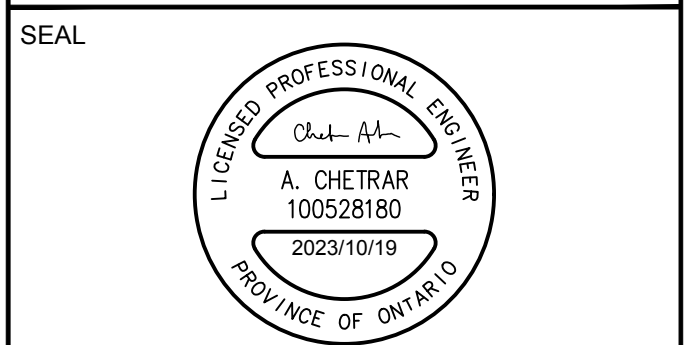
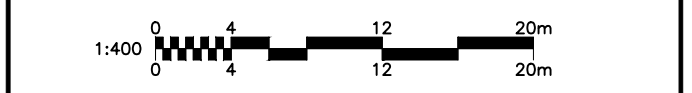
ISSUES

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CONSULTANTS

Project Coordinator  
 Architect: RLA Architectue  
 Landscape: Levstek consultants  
 Surveyor: Stantec  
 Geotech: Paterson Group  
 Transportation Engineer: IBI Group  
 Urban Planner: Stantec



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PROJECT  
**SOUTH KEYS MALL**  
 2200 BANK STREET  
 SOUTH PHASE - PHASE 1

PROJECT NO:  
 135853  
 DRAWN BY:  
 D.P.S.  
 PROJECT MGR:  
 J.I.M.

CHECKED BY:  
 A.C.  
 APPROVED BY:  
 J.I.M.

SHEET TITLE  
**SANITARY DRAINAGE**  
 AREA PLAN  
 MASTER PLAN

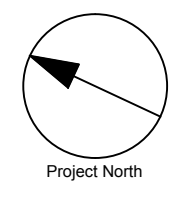
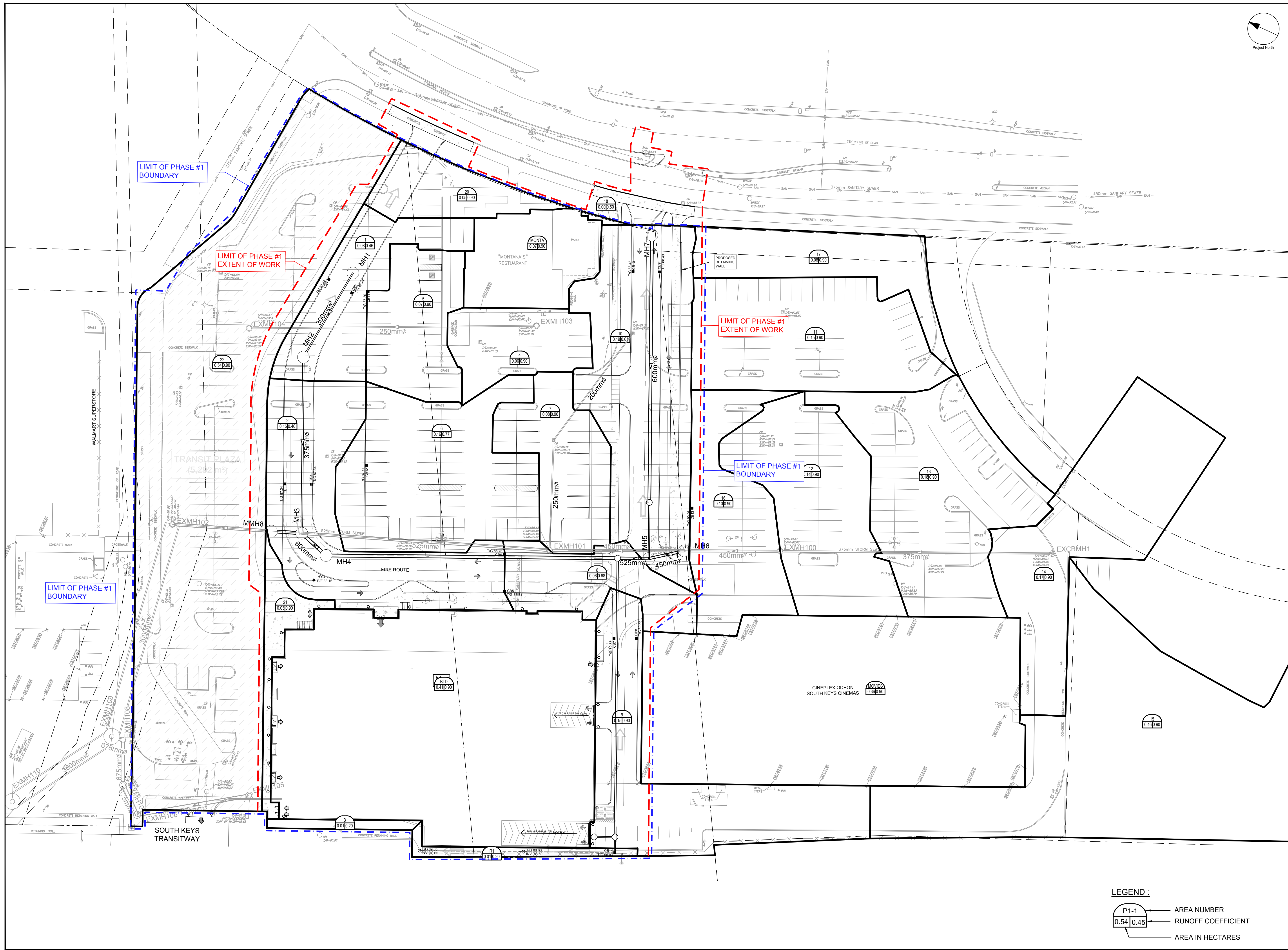
SHEET NUMBER  
**C-401**

ISSUE  
**2**

LEGEND :

	AREA NUMBER
	POPULATION (1.9 PERSONS PER UNIT)
	AREA IN HECTARES

CITY FILE No. D07-12-21-0182  
 File Location: J:\135853\_SouthKeys\Ph1\0\_Production\03\_Design\04\_Civil\Sanitary\DRAINAGE PLAN MASTER PLAN.dwg Last Saved: October 19, 2023 by diluma Plotted: Thursday, October 19, 2023 1:20:14 PM by Don Stuma



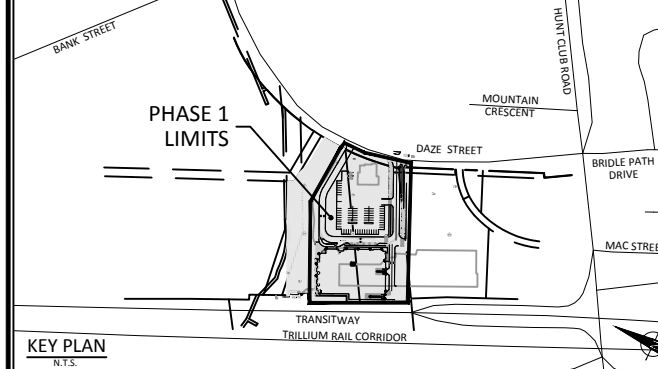
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TEL: 905 326 6400

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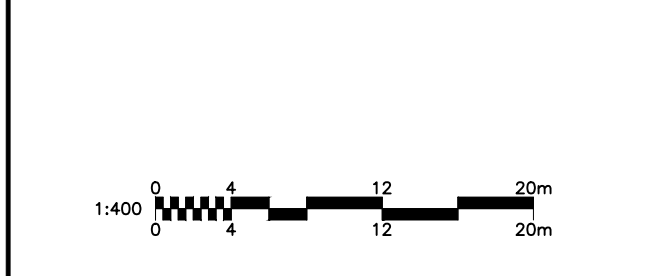
**ISSUES**

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	2021-10-28
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS.



**CONSULTANTS**  
Project Coordinator:  
Architect: RLA Architecture  
Landscape: Levstek consultants  
Surveyor: Stantec  
Geotech: Paterson Group  
Transportation Engineer: IBI Group  
Urban Planner: Stantec



**SEAL**

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100528180  
2023/10/19  
PROVINCE OF ONTARIO

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**PROJECT**  
SOUTH KEYS MALL  
2200 BANK STREET  
SOUTH PHASE - PHASE 1

**PROJECT NO:** 135853  
**DRAWN BY:** D.P.S. **CHECKED BY:** A.C.  
**PROJECT MGR:** J.I.M. **APPROVED BY:** J.I.M.

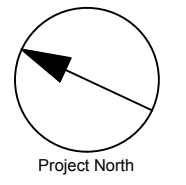
**SHEET TITLE**  
STORM DRAINAGE  
AREA PLAN

**SHEET NUMBER** C-500 **ISSUE** 2

**LEGEND:**

	AREA NUMBER
	RUNOFF COEFFICIENT
	AREA IN HECTARES

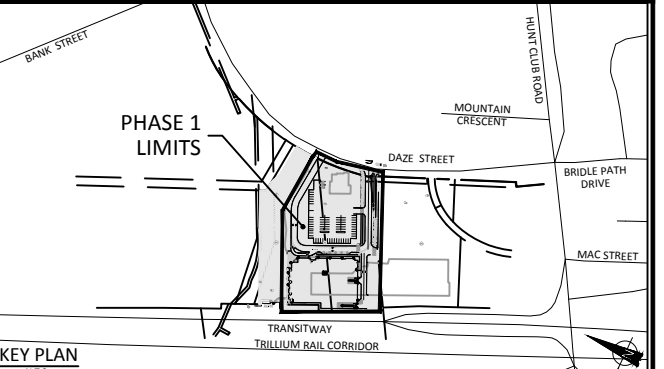
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File Location: \\113853\_SouthKeysMall\_Production\7\_03\_Design\7\_03\_SouthKeysMall\_C-500 STORM DRAINAGE AREA PLAN.dwg Last Saved: October 16, 2023, by dsuma Plotted: Thursday, October 19, 2023 12:34:34 PM by Don Suma



ISSUES

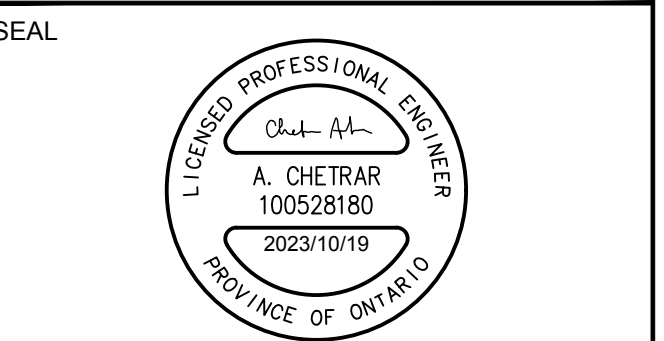
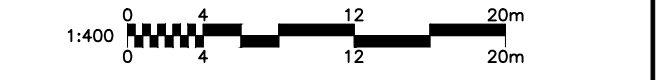
No.	DESCRIPTION	DATE
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SEE 010, 011, 012 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



CONSULTANTS

- Project Coordinator  
 Architect: RLA Architectue  
 Landscape: Levstek consultants  
 Surveyor: Stantec  
 Geotech: Paterson Group  
 Transportation Engineer: IBI Group  
 Urban Planner: Stantec



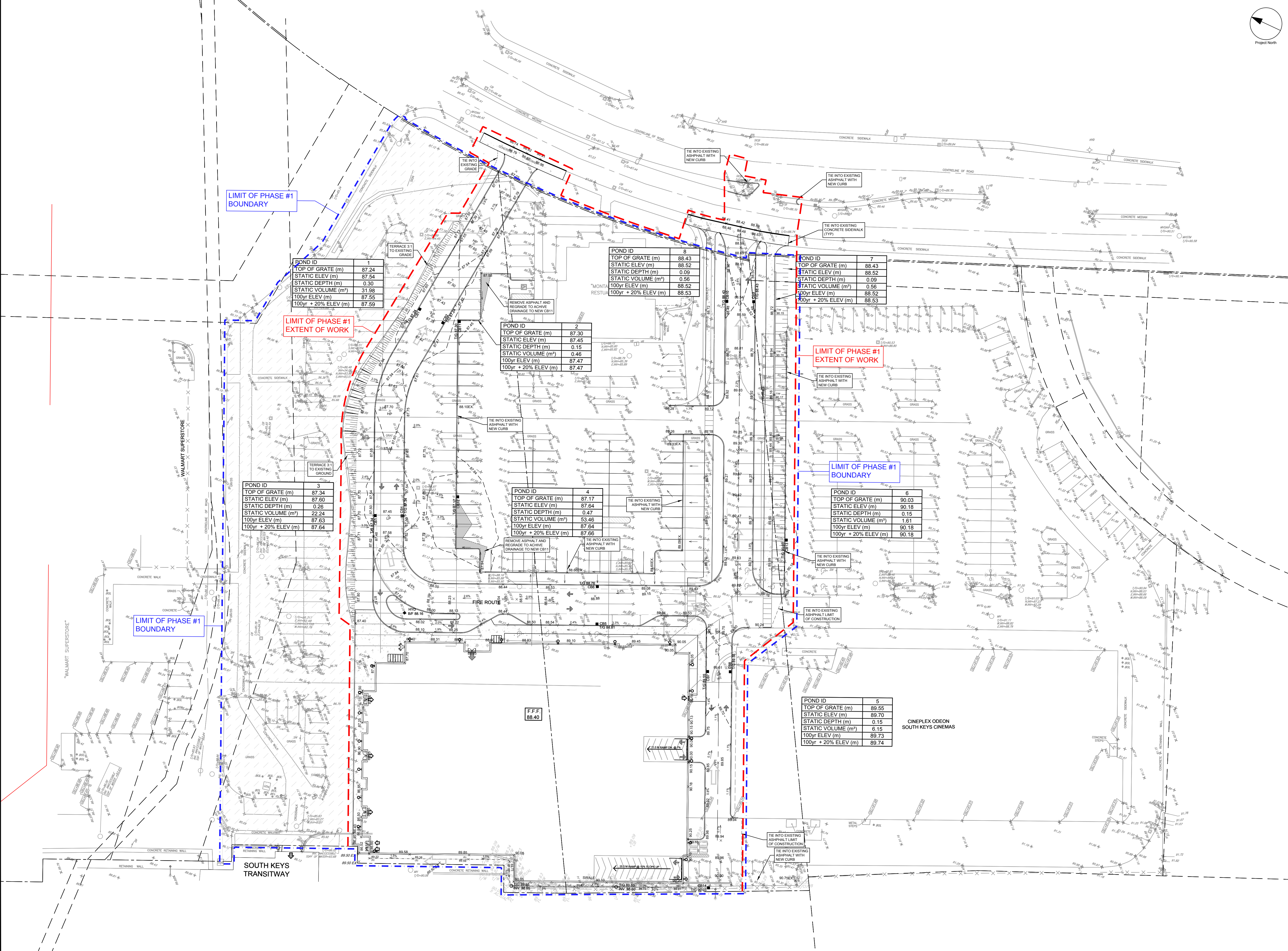
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 Ottawa ON K1S 5N4 Canada  
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 ibigroup.com

PROJECT  
**SOUTH KEYS MALL**  
 2200 BANK STREET  
 SOUTH PHASE - PHASE 1

PROJECT NO:  
 135853  
 DRAWN BY: D.P.S. CHECKED BY: A.C.  
 PROJECT MGR: J.I.M. APPROVED BY: J.I.M.

SHEET TITLE  
**SITE PONDING PLAN**

SHEET NUMBER  
**C-600** ISSUE  
**2**



POND ID 1

TOP OF GRATE (m)	87.24
STATIC ELEV (m)	87.54
STATIC DEPTH (m)	0.30
STATIC VOLUME (m³)	31.98
100yr ELEV (m)	87.55
100yr + 20% ELEV (m)	87.59

POND ID 8

TOP OF GRATE (m)	88.43
STATIC ELEV (m)	88.52
STATIC DEPTH (m)	0.09
STATIC VOLUME (m³)	0.56
100yr ELEV (m)	88.52
100yr + 20% ELEV (m)	88.53

POND ID 7

TOP OF GRATE (m)	88.43
STATIC ELEV (m)	88.52
STATIC DEPTH (m)	0.09
STATIC VOLUME (m³)	0.56
100yr ELEV (m)	88.52
100yr + 20% ELEV (m)	88.53

POND ID 2

TOP OF GRATE (m)	87.30
STATIC ELEV (m)	87.45
STATIC DEPTH (m)	0.15
STATIC VOLUME (m³)	0.46
100yr ELEV (m)	87.47
100yr + 20% ELEV (m)	87.47

POND ID 6

TOP OF GRATE (m)	90.03
STATIC ELEV (m)	90.18
STATIC DEPTH (m)	0.15
STATIC VOLUME (m³)	1.61
100yr ELEV (m)	90.18
100yr + 20% ELEV (m)	90.18

POND ID 3

TOP OF GRATE (m)	87.34
STATIC ELEV (m)	87.60
STATIC DEPTH (m)	0.26
STATIC VOLUME (m³)	22.24
100yr ELEV (m)	87.63
100yr + 20% ELEV (m)	87.64

POND ID 4

TOP OF GRATE (m)	87.17
STATIC ELEV (m)	87.64
STATIC DEPTH (m)	0.47
STATIC VOLUME (m³)	53.46
100yr ELEV (m)	87.64
100yr + 20% ELEV (m)	87.66

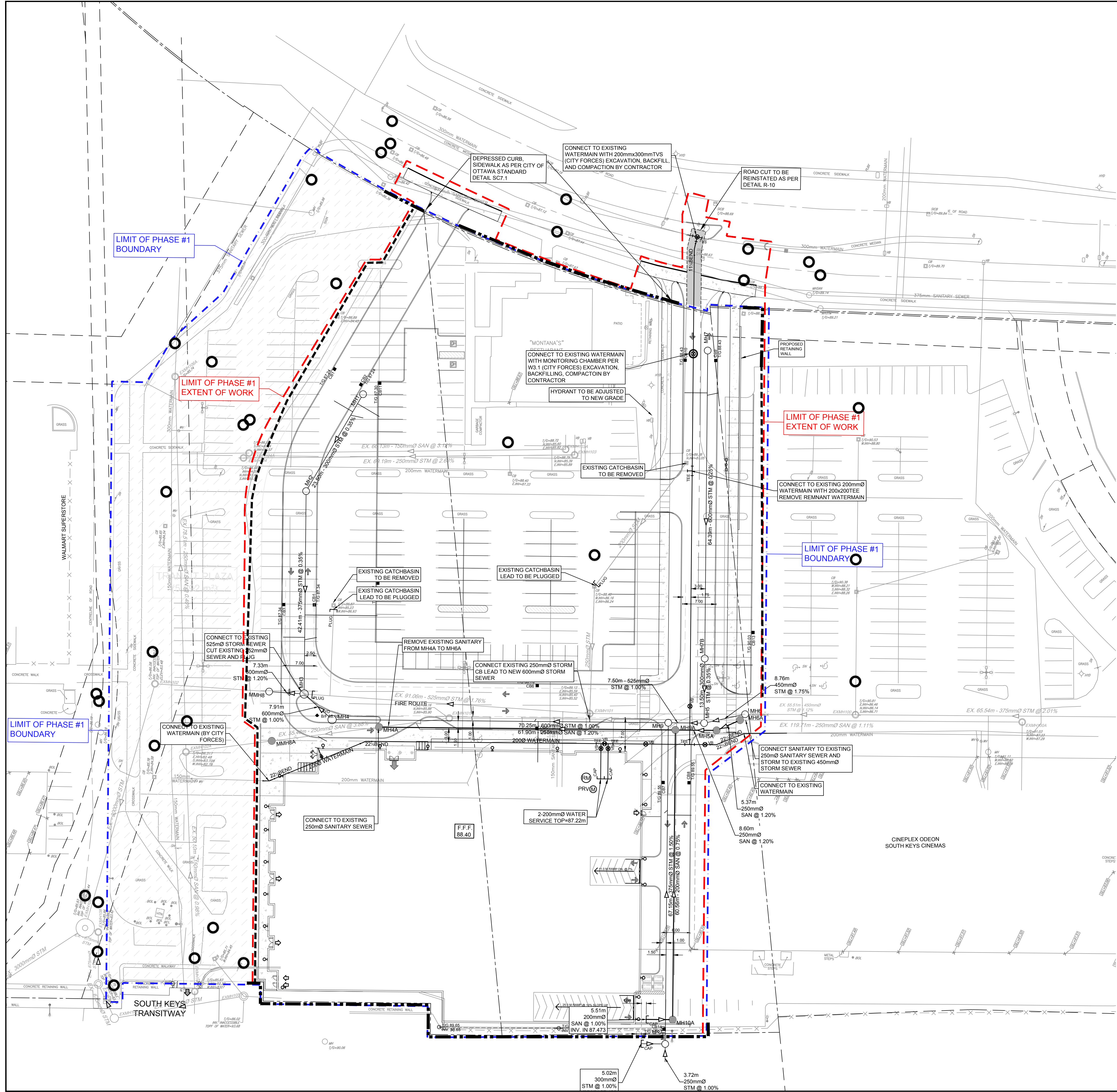
POND ID 5

TOP OF GRATE (m)	89.55
STATIC ELEV (m)	89.70
STATIC DEPTH (m)	0.15
STATIC VOLUME (m³)	6.15
100yr ELEV (m)	89.73
100yr + 20% ELEV (m)	89.74

FFF  
 88.40

CINEPLEX ODEON  
 SOUTH KEYS CINEMAS

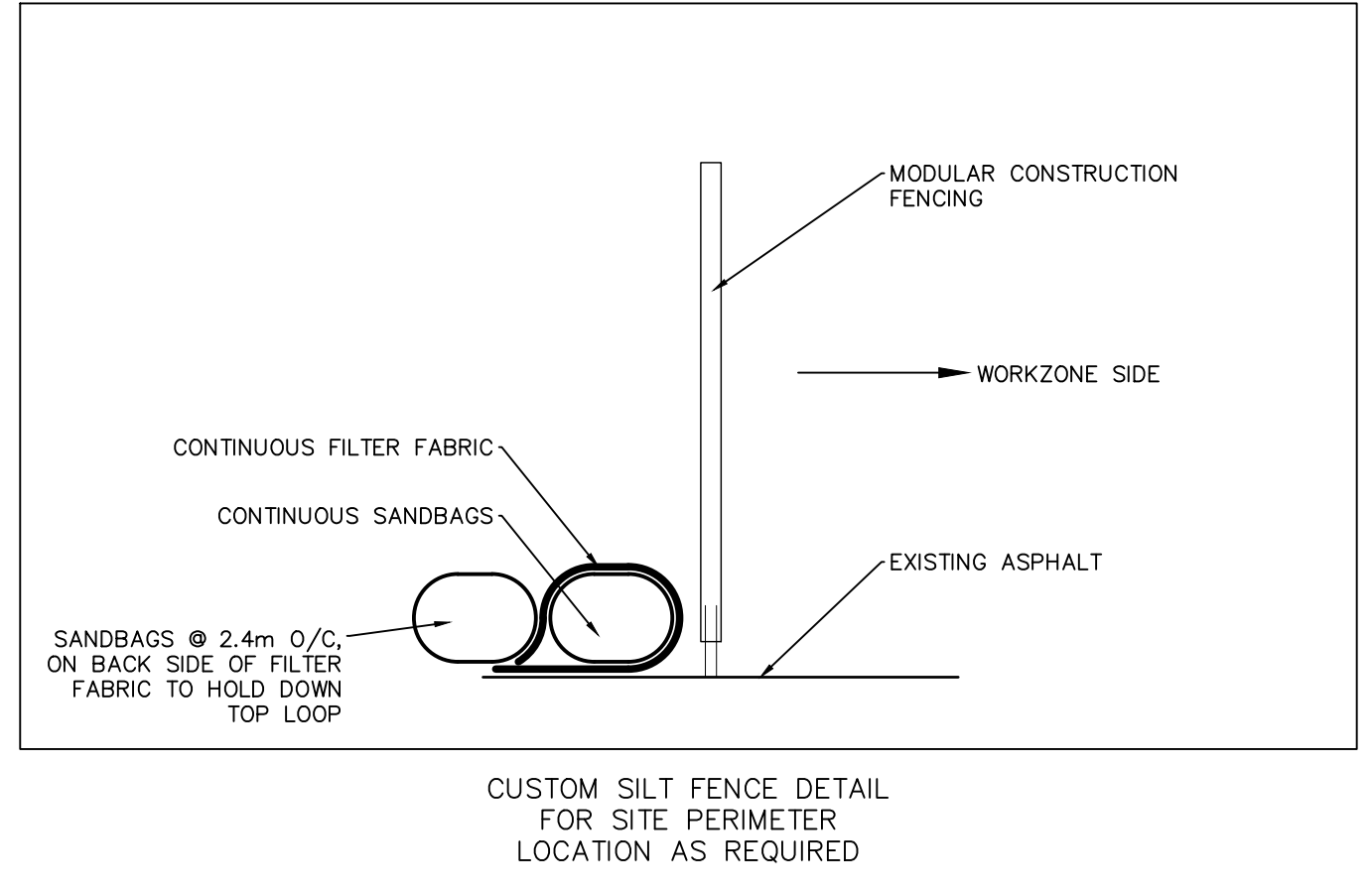
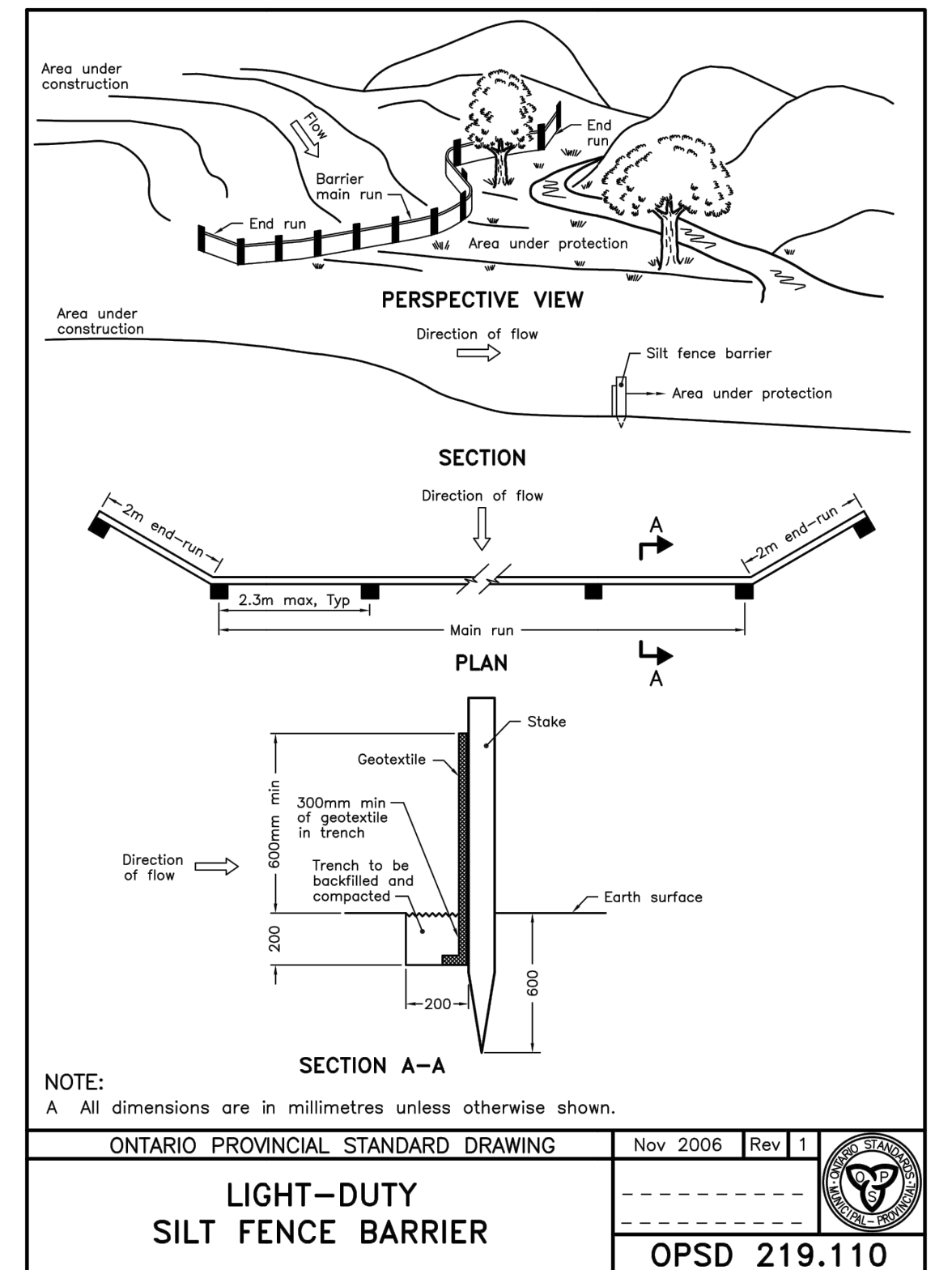




**LEGEND :**

- LIGHT DUTY SILT FENCE AS PER OPD-219.110
- CUSTOM SILT FENCE (AS PER DETAIL)
- SILT SACK PLACED UNDER EXISTING CB COVER OR MH COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

- 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.
  - SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
  - STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
  - SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBS TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
  - CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
  - CONTRACTOR TO PROTECT EXISTING CATCHBASINS WITH FILTER CLOTH UNDER THE COVERS TO TRAP SEDIMENTATION. REFER TO IDENTIFIED STRUCTURES.
  - WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
  - THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT



**CLIENT**

3200 HIGHWAY 7  
VAUGHAN, ON L4K 5Z6  
TEL: 905 326 6400

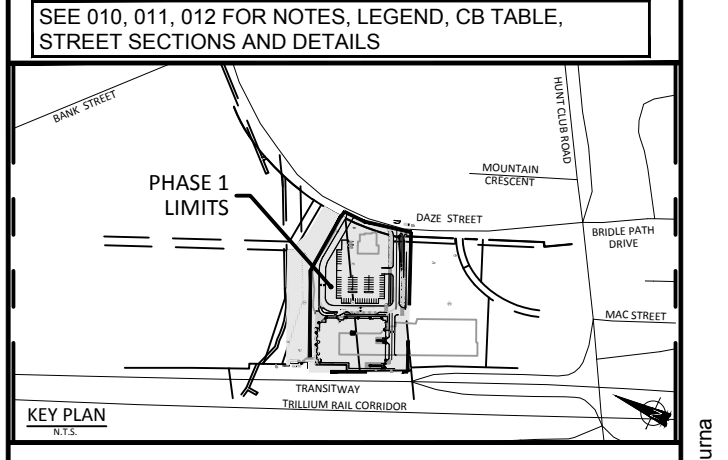
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**LEGEND**

Project Coordinator  
Architect: RLA Architectue  
Landscape: Levstek consultants  
Surveyor: Stantec  
Geotech: Paterson Group  
Transportation Engineer: IBI Group  
Urban Planner: Stantec

**SEAL**

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**PROJECT**

**SOUTH KEYS MALL**  
2200 BANK STREET

**SOUTH PHASE - PHASE 1**

**PROJECT NO:** 135853  
**DRAWN BY:** D.P.S.  
**PROJECT MGR:** J.I.M.

**CHECKED BY:** A.C.  
**APPROVED BY:** J.I.M.

**SHEET TITLE**

**EROSION AND SEDIMENTATION CONTROL PLAN**

**SHEET NUMBER** C-900 **ISSUE** 2

CITY FILE No. D07-12-21-0182