

IBI GROUP
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Sheet List Table	
Sheet Number	Sheet Title
000	COVER
C-001	GENERAL PLAN OF SERVICES
C-200	GRADING PLAN
C-400	SANITARY DRAINAGE AREA PLAN
C-500	STORM DRAINAGE AREA PLAN
C-900	SEDIMENT AND EROSION PLAN

**255 RICHMOND
 CITY OF OTTAWA
 CONTRACT NO. 135883**

REVISED AS PER CITY COMMENTS 2023-04-03
 CITY PLAN No. XXXXX
File Location: J:\135883_255_Richmond\7.0_Production\7.03_Design\04_Civil\Sheet\000 COVER.dwg Last Saved: April 3, 2023, by dsuima Plotted: Monday, April 3, 2023 10:58:17 AM by Don Summa

LEGEND

---	PROPERTY LINE
F.F. = 80.50	FINISHED FLOOR ELEVATION
---	DEPRESSED CURB
⊙	WATER METER (SEE MECH. DRWG. FOR EXACT LOCATION)
⊙	REMOTE WATER METER (SEE MECH. DRWG. FOR EXACT LOCATION)
⊙	SIAMSE CONNECTIONS (SEE MECH. DRWG. FOR EXACT LOCATION)
---	GAS SERVICE
---	RETAINING WALL C/W TOP OF WALL AND GRASS GRADE
⊙	VALVE AND VALVE BOX
⊙	VALVE AND VALVE CHAMBER
---	WATER SERVICE
---	SANITARY SEWER SERVICE
---	STORM SEWER SERVICE
---	EXISTING CURB
---	EXISTING CATCHBASIN
---	EXISTING WATER VALVE
---	EXISTING LAMP STANDARD
---	EXISTING UTILITY POLE
---	EXISTING FIRE HYDRANT
---	EXISTING MANHOLE
---	EXISTING SIGN
---	EXISTING BOLLARDS
---	EXISTING DECIDUOUS TREE
---	EXISTING SANITARY SEWER
---	EXISTING STORM SEWER
---	EXISTING WATERMAIN
---	EXISTING GAS LINE
---	EXISTING HYDRO EXISTING
---	EXISTING OVERHEAD UTILITY WIRES
---	EXISTING COMBINED SEWER
---	EXISTING STREET LIGHTING

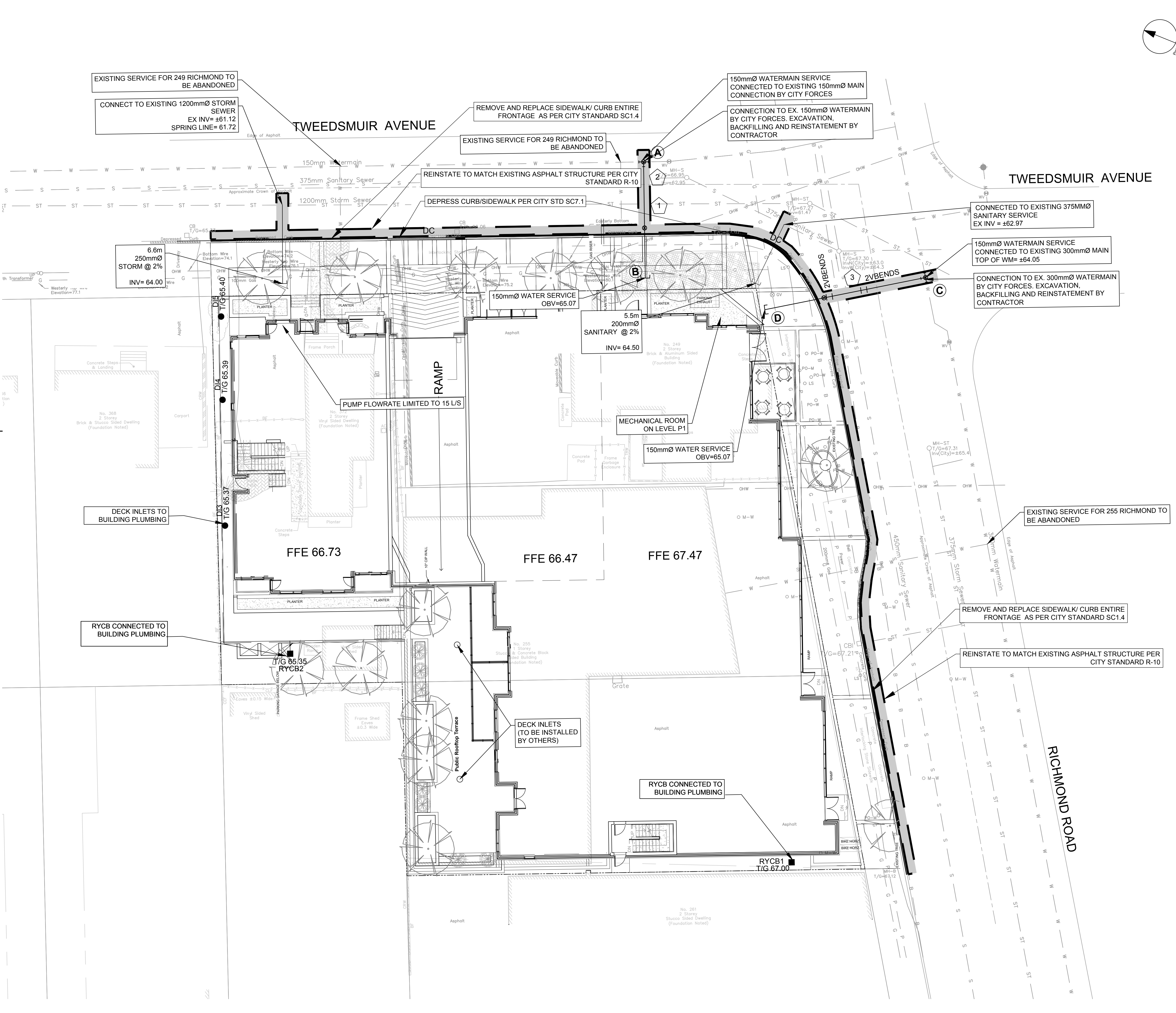
- NOTES**
- ALL WORKS TO BE COMPLETED AS PER CURRENT CITY OF OTTAWA STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
 - SEWER LATERALS TO BE PVC DR 35.
 - WATER MAIN AND SERVICES TO BE PVC DR 18 CL150. MINIMUM COVER OF 2.4m FOR WATER SERVICE IS REQUIRED. USE THERMAL INSULATION AS PER CITY STANDARDS WHEN COVER IS LESS THAN 2.4m. WATER MAIN AND SERVICES TO HAVE RESTRAINTS AND THRUST BLOCKS AS PER CITY STD W23, W25.5 AND W25.6. NEW WATER MAIN TO HAVE TRACING WIRE PER STD W36.
 - ALL SERVICE LATERAL AND SURFACE RESTORATION WORK IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
 - FULL PORT BACKWATER VALVE IS REQUIRED ON BOTH THE SANITARY AND STORM SERVICE CONNECTIONS.
 - WATER SERVICE CHLORINATION AND TESTING TO BE COMPLETED BY CITY FORCES.
 - BUILDING INFORMATION TAKEN FROM VINCE P. COLIZZA ARCHITECTS DRAWINGS.
 - AN EROSION AND SEDIMENTATION CONTROL PLAN WILL BE IMPLEMENTED ON THIS SITE. AS A MINIMUM THAT PLAN WILL INCLUDE A LIGHT DUTY SILT FENCE BARRIER TO OPSD STANDARD 219.110 SURROUNDING THE SITE WHERE PRACTICAL AND SILT SACKS FITTED UNDER EXISTING STREET CATCH BASINS.
 - ALL SHOWN UTILITIES ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED BY CONTRACTOR. ANY DISCREPANCIES ARE TO BE REPORTED TO IBI GROUP PRIOR TO CONTRACTOR MOBILIZING TO SITE.
 - CONTRACTOR RESPONSIBLE TO SUPPORT EXISTING UTILITIES THAT MAY BE AFFECTED DURING CONSTRUCTION.
 - EXISTING CURBS AND SIDEWALKS ARE TO BE REMOVED AND REPLACED AS NOTED ON THE DRAWINGS.
 - THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, USING FILTER CLOTH UNDER THE GRATES OF CATCHBASINS AND MANHOLES AND INSTALLING SILT FENCES AND EFFECTIVE SEDIMENT TRAPS. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCIES.
 - FOR GEOTECHNICAL INFORMATION SEE PATERSON REPORT PG5948-1 DATED SEPTEMBER 24, 2021.
 - MONITORING PORTS ARE TO BE INSTALLED ON THE SANITARY AND STORM SEWERS INSIDE THE PROPERTY LINE.

Pipe Interference Table

Crossing No.	PIPE 1	PIPE 2	Clearance
1	MM Bottom 64.190	EX STM Top 62.707	1.483
2	MM Bottom 64.223	EX SAN Top 63.295	0.929
3	MM Bottom 65.000	EX SAN Top 64.742	0.258

WATERMAIN SCHEDULE

Station	Description	Finished Grade	Top of Watermain	As Built Watermain
A	0+000.00	TVS	66.796	66.07
	0+001.47	SAN CROSSING	66.793	64.393
	0+003.43	STM CROSSING	66.792	64.392
	0+005.55	VB	66.714	64.314
B	0+009.75	CAP	66.937	64.519
C	0+000.00	TVS	67.433	66.05
	0+005.02	V BEND	67.360	64.96
	0+005.53	V BEND	67.349	65.17
	0+007.98	V BEND	67.297	65.17
	0+008.47	V BEND	67.286	64.886
	0+008.70	VB	67.281	64.881
D	0+013.76	CAP	67.456	66.010



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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	2023-10-04
2	REVISED AS PER CITY COMMENTS	2023-10-04
3		
4		
5		
6		
7		
8		

KEY PLAN

CONSULTANTS

SCALE

1:250
0 2.5 5 7.5 12.5m

SEAL

IBI GROUP
S. E. LABADIE
100214983
2023/04/03
PROVINCE OF ONTARIO

PROJECT
255 RICHMOND

PROJECT NO: 135883
DRAWN BY: SPG
PROJECT MGR: D.G.Y

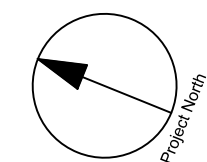
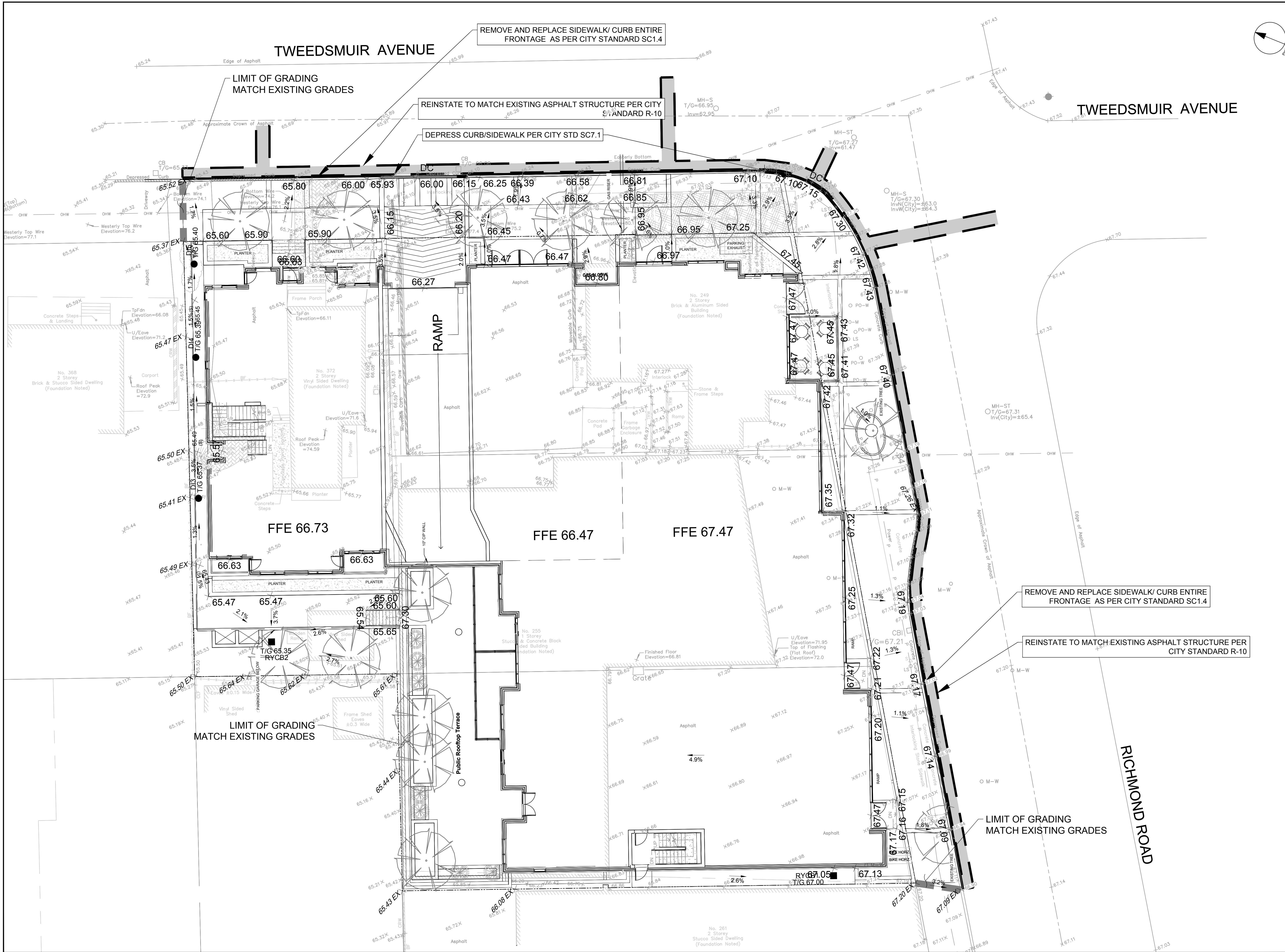
CHECKED BY: S.E.L
APPROVED BY: D.G.Y

SHEET TITLE
GENERAL PLAN OF SERVICES

SHEET NUMBER C-001 **ISSUE** 2

CITY PLAN No. xxxxx

CITY FILE No. D07-xx-xx-xxxx
SCALE CHECK
File Location: \\135883_255_Richmond\7.03_Production\7.03_Design\04_Civil\Sheets\C01_GENERAL PLAN OF SERVICES.dwg Last Saved: March 27, 2023, by dsurna Plotted: Monday, April 3, 2023 10:58:37 AM by Don Stuma



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ISSUES

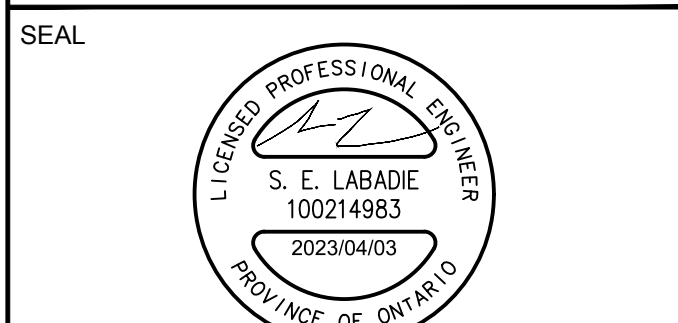
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NOT FOR CONSTRUCTION



CONSULTANTS

SCALE: 1:250



PROJECT
 255 RICHMOND

PROJECT NO:
 135883

DRAWN BY:
 SPG

PROJECT MGR:
 D.G.Y

CHECKED BY:
 S.E.L

APPROVED BY:
 D.G.Y



PROJECT TITLE
 GRADING PLAN

SHEET NUMBER
 C-200

ISSUE
 2

CITY PLAN No. xxxxx

CITY FILE No. D07-XX-XX-XXXX

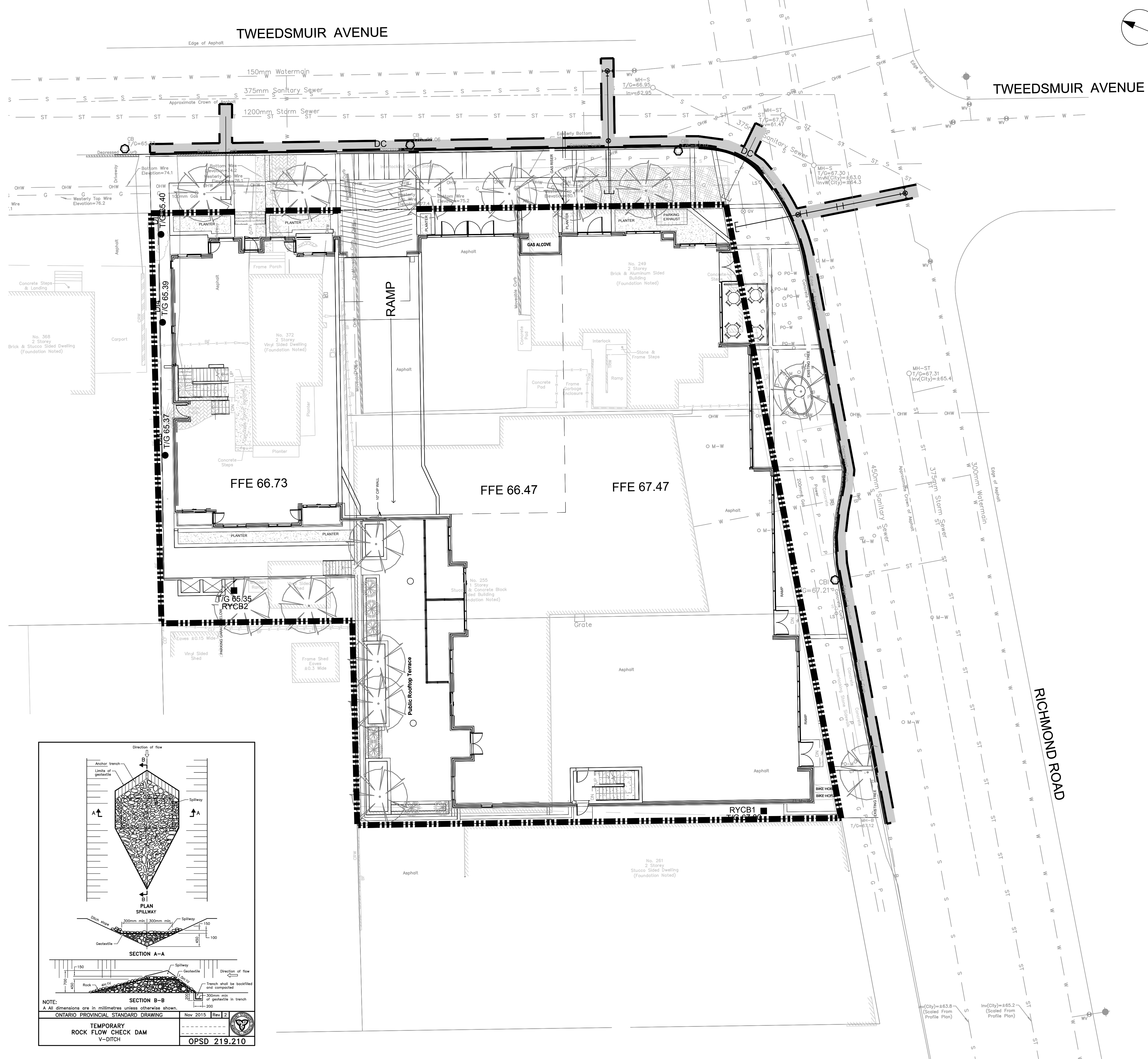
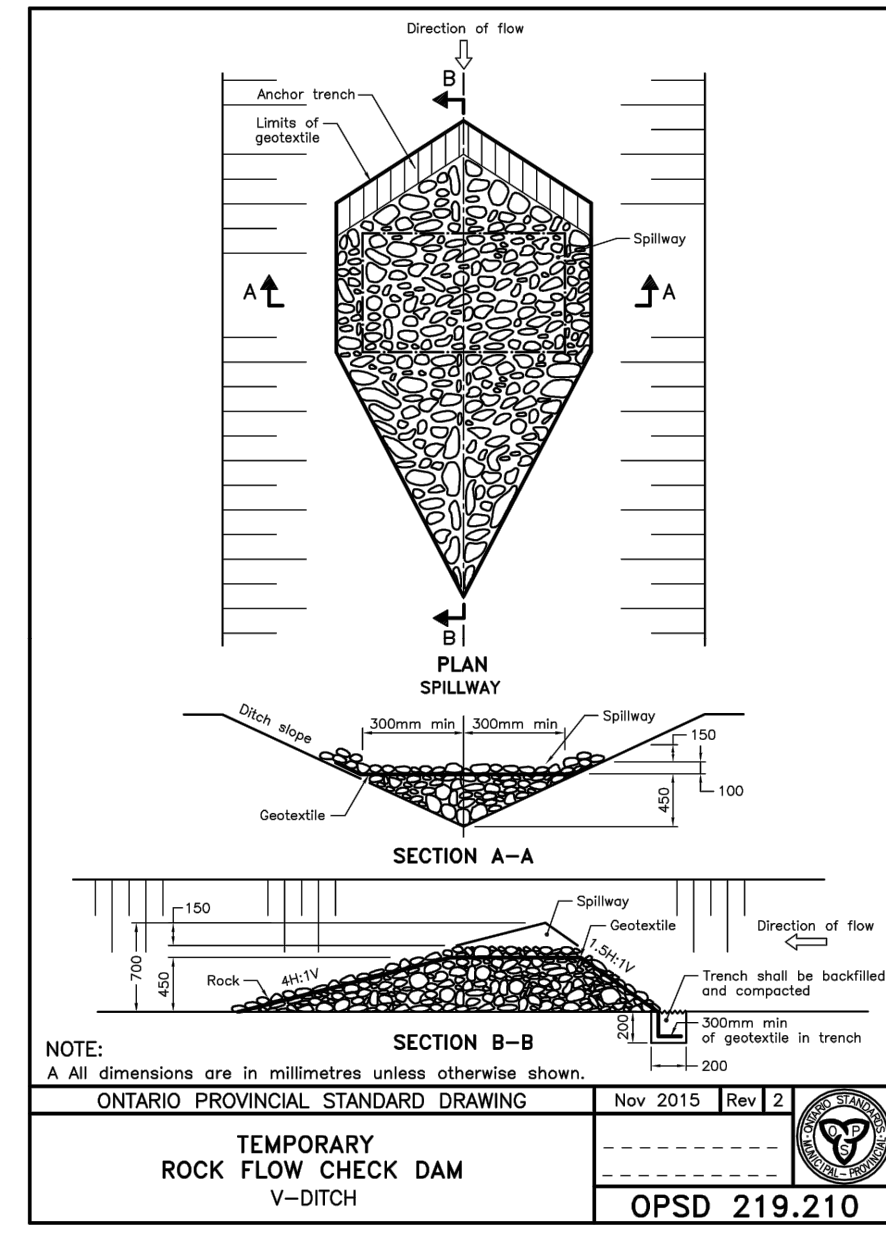
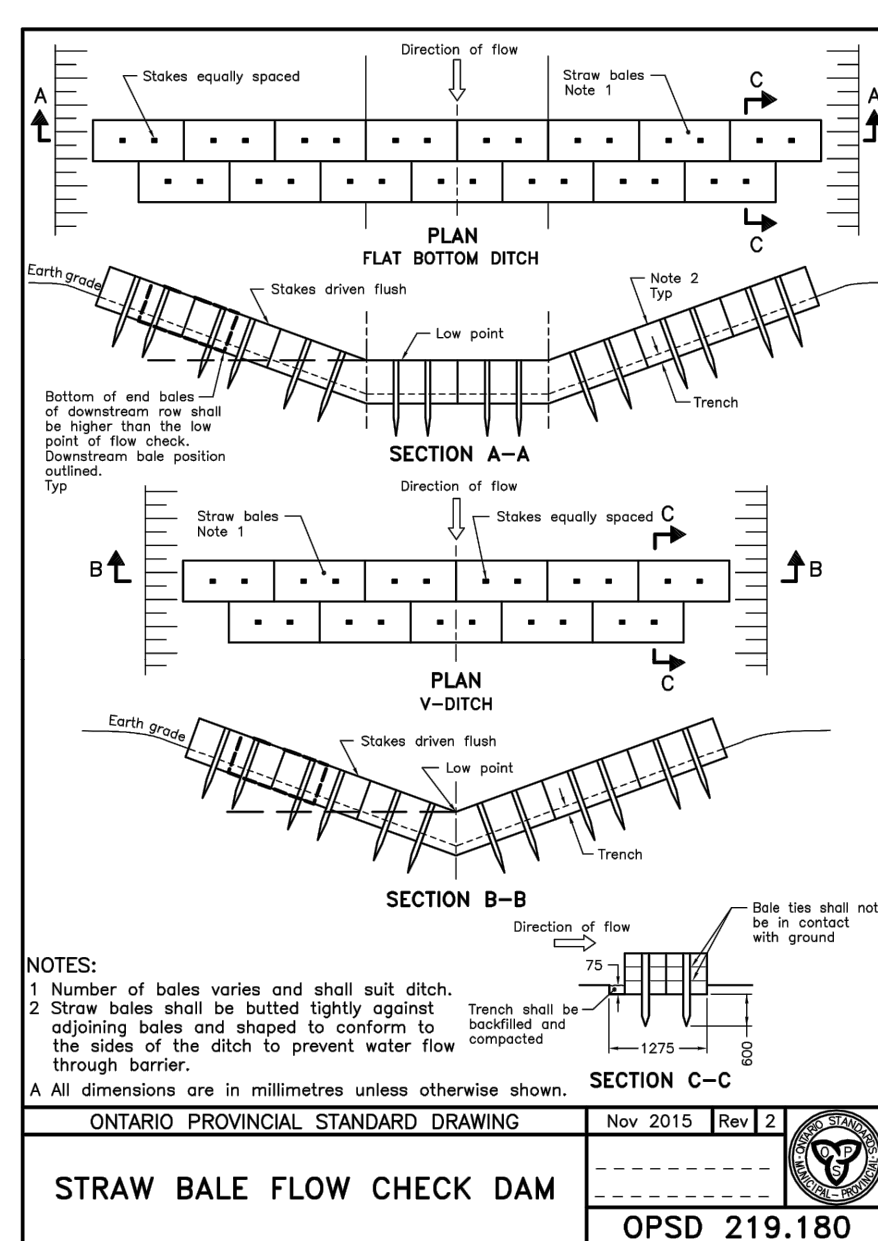
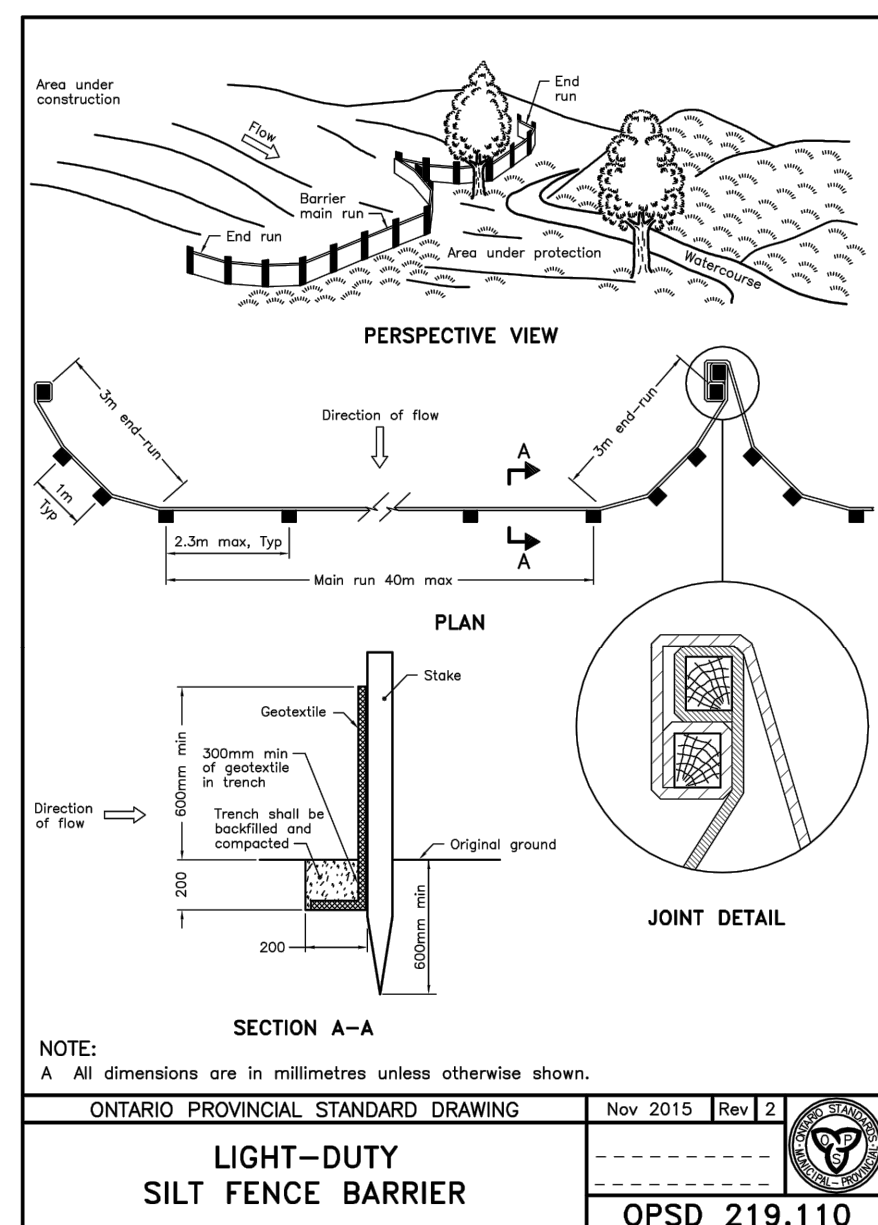
NOTES:

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. 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.
2. 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.
3. WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
4. THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT.
5. SEE DRAWING C-010 FOR ADDITIONAL DETAILS AND NOTES.

LEGEND :

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SNOW FENCE
- STRAW BALE CHECK DAM AS PER OPSD-219.180
- ROCK CHECK DAM AS PER OPSD-219.210
- SILT SACK PLACED UNDER EXISTING CB COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH



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S. E. LABADIE
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CHECKED BY: S.E.L.
APPROVED BY: D.G.Y.

SHEET TITLE
SEDIMENT AND EROSION PLAN

SHEET NUMBER
C-900

ISSUE
2

CITY PLAN No. xxxxx

FILE No. D07-XX-XX-XXXX
CITY FILE No. D07-XX-XX-XXXX