

LEGEND

NEW AREA DRAIN (REFER TO MECHANICAL FOR CONTINUATION)

NEW CATCHBASIN ==**►**== NEW STORM SEWER

■■■ NEW SANITARY SEWER

♥ VB NEW WATER VALVE AND VALVE BOX (W24)

EXISTING STORM/SANITARY MANHOLE

EXISTING STORM SEWER EXISTING SANITARY SEWER BY

EXISTING WATERMAIN NEW ENTRANCE

STORMWATER MANAGEMENT CISTERN

EDGE OF SUBSTRUCTURE

ENTRANCE OF PARKING GARAGE ACCESS RAMP — -- — PROPERTY LINE

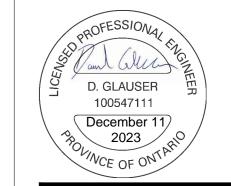
	CATCH BASIN DATA									
				ELEVATION		NOTEO	CB CONNEC		TION	
ò	NO.	COVER	STRUCT.	T/FRAME	LOW/INV	NOTES	DIA (mm)	TYPE	LENGTH (m	
	CB1	S22	705.010B	61.00	59.72		250	PVC DR35	N/A	
	CB2	S22	705.010B	58.78	57.50		250	PVC DR35	5.5	
	CBMH1	S28.1	701.011	61.20	59.92		250	PVC DR35	7.5	

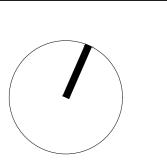
	NEW STORM STRUCTURE						
	COVER	STRUCT.	ELEV	ATION	LOCATION		
NO.			T/FRAME	INVERTS	NORTHING	EASTING	NOTES
STMH1	S24.1 OR OPSD 401.010 TYPE B	701.011	61.45	59.02 (N) 58.99(SW)	5032694.90	368763.08	-

	PIPE CROSSING TABLE							
1	200mmØ WM 0.97m CLEARANCE OVER 250mmØ SAN	WM INV=59.90, STM OBV=58.93						
2	200mmØ WM 0.30m CLEARANCE OVER 250mmØ STM	WM INV=59.50, STM OBV=59.20						
3	250mmØ STM 0.48m CLEARANCE OVER 600mmØ SAN	STM INV=58.78, SAN OBV=58.30						
4	200mmØ WM 0.41m CLEARANCE OVER 200mmØ STM	WM INV=59.48, STM OBV=59.07						
5	200mmØ STM 0.60m CLEARANCE OVER 600mmØ SAN	STM INV=58.88, SAN OBV=58.28						

ANDREW MCCREIGHT MANAGER (A), DEVELOPMENT REVIEW CENTRAL PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

> APPROVED By Andrew McCreight at 4:14 pm, Dec 21, 2023





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HERSHFIELD

200-2932 BASELINE ROAD, OTTAWA, ON K2H 1B

0 2023 MAR 22 ISSUED FOR SITE PLAN APPROVAL

1 2023 MAY 12 ISSUED FOR 100% SCHEMATIC

2 2023 MAY 18 ISSUED FOR REZONING AND SITE

3 2023 JUL 13 ISSUED FOR SITE PLAN CONTROL

4 2023 AUG 25 ISSUED FOR 100% DESIGN

DEVELOPMENT

5 2023 DEC 11 ISSUED FOR SITE PLAN CONTROL-RESUBMISSION

RESUBMISSION #2

PLAN CONTROL - RESUBMISSION

OCH FRIEL STREET / CHAPEL 200/201 FRIEL STREET

Project No: 220262300

SITE SERVICING PLAN &

TRENCH DRAIN DATA TRENCH **ELEVATION** TD CONNECTION NO. DRAIN T/FRAME LOW/INV DIA (mm) WIDTH STAINLESS STEEL, ACCESSIBLE, HEEL SAFE, LIGHT DUTY (ACC 100mm 447D/448D OR APPROVED EQUIVALNT)

NOTE: POLYMER CONCRETE TRENCH DRAIN WITH 2% INTERNAL SLOPE AND MATCHING CATCH BASIN, UNLESS OTHERWISE SPECIFIED

INLET CONTROL DEVICE DATA TABLE - STMH1								
DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	WATER ELEVATION (m)	REQUIRED VOLUME (m³)	TOTAL VOLUME PROVIDED (m³)		
1:5 YR	HYDROVEX 50VHV-2	250mmØ PVC	2.1	60.17	4.9	42		
1:100 YR	HYDROVEX 50VHV-2	250mmØ PVC	3.0	61.32	9.1	42		

WATERMAINS 19. REFER TO CITY STD. DETAIL W17 ON DRAWING C102 FOR WATERMAIN 10. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY SERVICING NEEDED, AND INSTALLATION.

PVC DR 35 UNLESS OTHERWISE SPECIFIED.

ADJUSTED TO POST-CONSTRUCTION GRADE.

INSTALLATION OF BASE COURSE ASPHALT.

S14 & S14.2.

GENERAL

1. TOPOGRAPHICAL SURVEY PREPARED BY FARLEY, SMITH & DENIS SURVEYING

4. REFER TO "SITE SERVICING AND STORMWATER MANAGEMENT DESIGN BRIEF"

REPORT PG4129-1) PREPARED BY PATTERSON GROUP FOR SUBSURFACE

CONDITIONS, CONSTRUCTION RECOMMENDATIONS AND GEOTECHNICAL

6. CONTRACTOR TO VERIFY ALL EXISTING UTILITY ELEVATIONS AT CONNECTION

AND CROSSING LOCATIONS PRIOR TO CONSTRUCTION AND ADVISE THE

(REGARDLESS OF WHETHER WITHIN OR EXTERNAL TO THE SITE) SHALL BE

SIGNS, LIGHTING AND OTHER STREET FURNITURE DISTURBED BY THE WORK.

9. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT TRAFFIC MANAGEMENT

PLANS FOR WORK IN RIGHT OF WAY IN ACCORDANCE WITH OTM BOOK 7.

INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT SHALL REVIEW

SITE BENCHMARK: HYDRANT TOP OF SPINDLE ELEV. 61.91

PREPARED BY MORRISON HERSHFIELD.

ENGINEER OF ANY DISCREPANCIES.

2. SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING.

5. REFER TO GEOTECHNICAL INVESTIGATION REPORT (AUG 2017 GEOTECH

EXCAVATIONS PRIOR TO THE PLACEMENT OF GRANULAR MATERIAL.

7. UNLESS DIRECTED OTHERWISE ANY DAMAGED ASPHALT OR CURB

REINSTATED IN ACCORDANCE WITH CITY STD. DET. R10 AND S1. 8. UNLESS DIRECTED OTHERWISE THE CONTRACTOR SHALL REINSTATE ALL

SHALL ALSO COORDINATE WITH OTHER TRADES AS NECESSARY.

LTD. DATED SEPT 13, 2022. MTM ZONE 9, GEODETIC DATUM CGVD-1928 :1978

REINSTATEMENT AS PER CITY OF OTTAWA STANDARD R10. CONNECTION TO SEWERMAIN PER S11.1 18. FOOTING DRAINS OUTLET TO THE BUILDING'S SUMP PUMP. THE BUILDING SUMP PUMP IS CONNECTED TO THE BACKUP GENERATOR.

11. ALL STORM SEWERS, SANITARY SEWERS AND CATCH BASINS LEADS SHALL BE

12. REFER TO CITY STD. DETAIL S6 ON DRAWING C102 FOR SEWER INSTALLATION.

ONSTRUCTION IN ACCORDANCE WITH CITY OF OTTAWA SPECIFICATIONS.

15. LEAKAGE TEST (SANITARY SEWER ONLY) AND CCTV INSPECTION SHALL BE

COMPLETED AS PER CITY OF OTTAWA SPECIFICATIONS PRIOR TO THE

16. BACKWATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD

CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. ROAD CUT

14. ALL MAINTENANCE HOLES, CATCHBASINS AND AREA DRAINS SHALL BE

13. CONTRACTOR SHALL MAINTAIN EXISTING SEWER FLOWS DURING

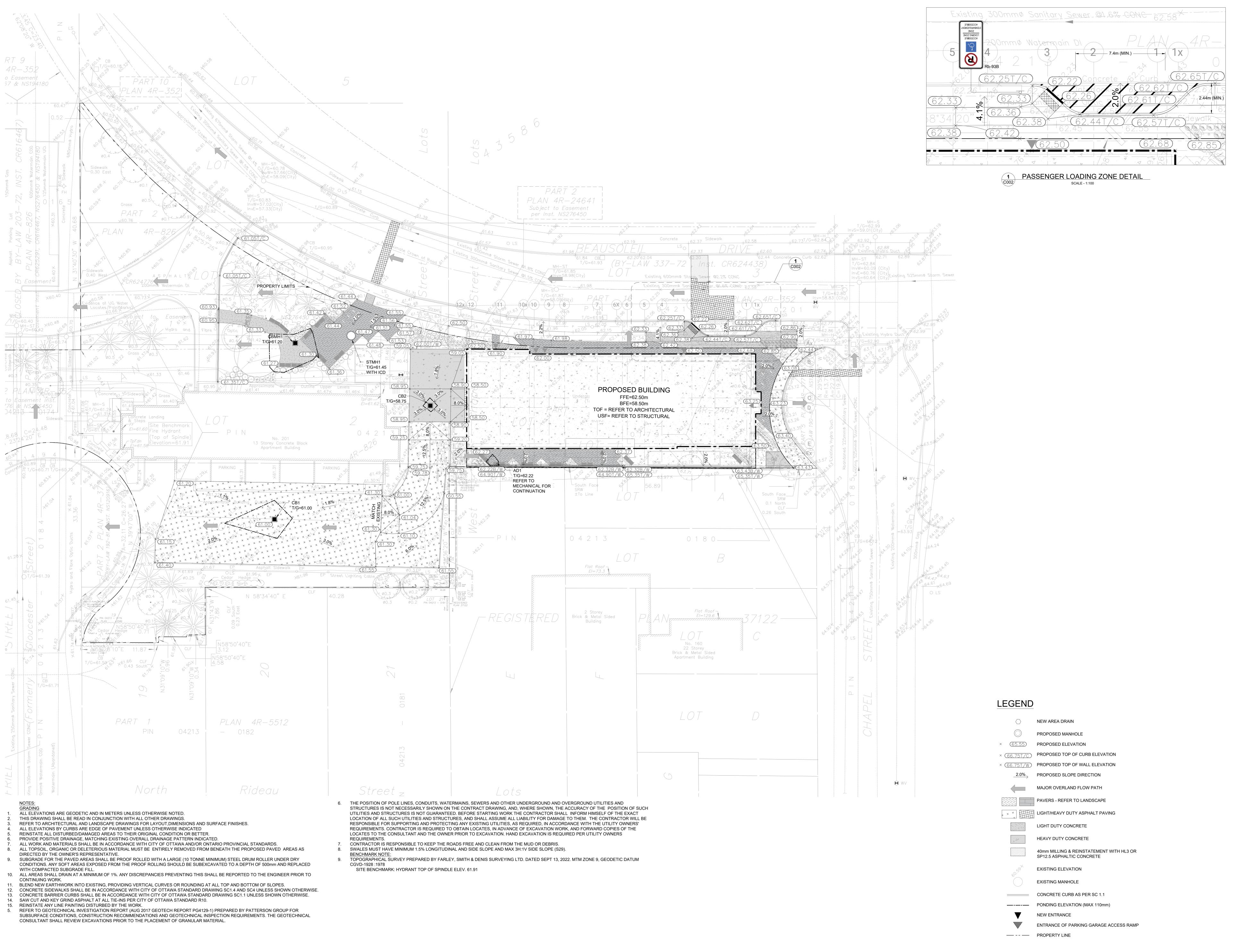
17. CONTRACTOR TO CONFIRM EXACT ELEVATION OF SEWER PRIOR TO

- 20. ALL WATERMAIN MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND STANDARD DRAWINGS. PVC PIPE TO BE CLASS 150 DR18 TO LATEST EDITION OF A.W.W.A. SPECIFICATION C900 AND CSA B137.3 LATEST AMENDMENT WITH GASKETED BELL AND SPIGOT COUPLINGS.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A WATER PERMIT AS REQUIRED FROM THE CITY OF OTTAWA, AND COMPLYING WITH ALL CITY OF OTTAWA REQUIREMENTS. THE CITY MAY REQUIRE THAT CERTAIN ACTIVITIES (E.G. VALVE OPERATION, CONNECTION OF NEW WATER SERVICE TO EXISTING WATERMAIN, DISINFECTION) BE CARRIED OUT ONLY BY CITY FORCES. 22. ALL VALVES 300mm DIAMETER AND SMALLER SHALL INCLUDE A VALVE BOX AS

PER W24.

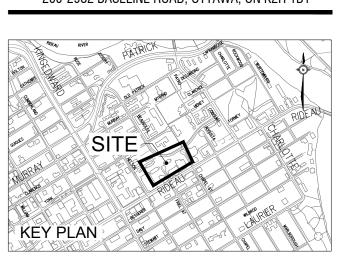
- 23. THE NEW WATERMAIN IS TO BE INSTALLED WITH A MINIMUM OF 2.4m COVER. WHERE 2.4m COVER IS NOT POSSIBLE, PROVIDE INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAILS W22 & W23. 24. THRUST RESTRAINT SHALL BE PROVIDED BY BOTH RESTRAINING/RETAINING RINGS AND THRUST BLOCKS AT ALL DEAD END CAPS, PLUGS, VALVES, BENDS AND REDUCERS AS PER CITY OF OTTAWA STANDARD DETAILS W25.3, W25.4,
- W25.5 AND W25.6. ALL TEMPORARY THRUST RESTRAINTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. 25. TRACER WIRE SHALL BE PROVIDED FOR ALL NEW PVC WATERMAINS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD DETAIL W36.
- 26. CATHODIC PROTECTION SHALL BE PROVIDED FOR ALL NEW WATERMAINS IN ACCORDANCE WITH THE SPECIFICATIONS AND CITY OF OTTAWA STANDARD DETAILS W39, W40, W41, W42 AND W47. CATHODIC PROTECTION OF EXISTING WATERMAINS SHALL ALSO BE PROVIDED AT CONNECTIONS BETWEEN EXISTING AND NEW WATERMAINS.

- 27. ADJUST ALL VALVE CHAMBERS, VALVE BOXES AND HYDRANTS TO FINISHED
- UTILITY NOTE 28. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND ANDOVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPORTING AND PROTECTING ANY EXISTING
- UTILITIES, AS REQUIRED, IN ACCORDANCE WITH THE UTILITY OWNERS' REQUIREMENTS. CONTRACTOR IS REQUIRED TO OBTAIN LOCATES, IN ADVANCE OF EXCAVATION WORK, AND FORWARD COPIES OF THE LOCATES TO THE CONSULTANT AND THE OWNER PRIOR TO EXCAVATION. 29. ALL CROSSING OF EX. UTILITIES TO BE IN ACCORDANCE WITH CITY STD. DET.



diamond SMX SChmitt SMX

MORRISON
HERSHFIELD



SUED D. Date Desc

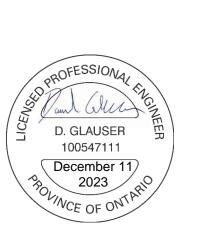
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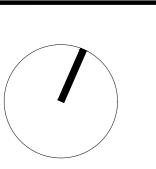
DESIGN
2 2023 MAY 18 ISSUED FOR REZONING AND SITE
PLAN CONTROL - RESUBMISSION

PLAN CONTROL - RESUBMISSION #1 3 2023 JUL 13 ISSUED FOR SITE PLAN CONTROL RESUBMISSION #2

4 2023 AUG 25 ISSUED FOR 100% DESIGN
DEVELOPMENT
5 2023 DEC 11 ISSUED FOR SITE PLAN CON

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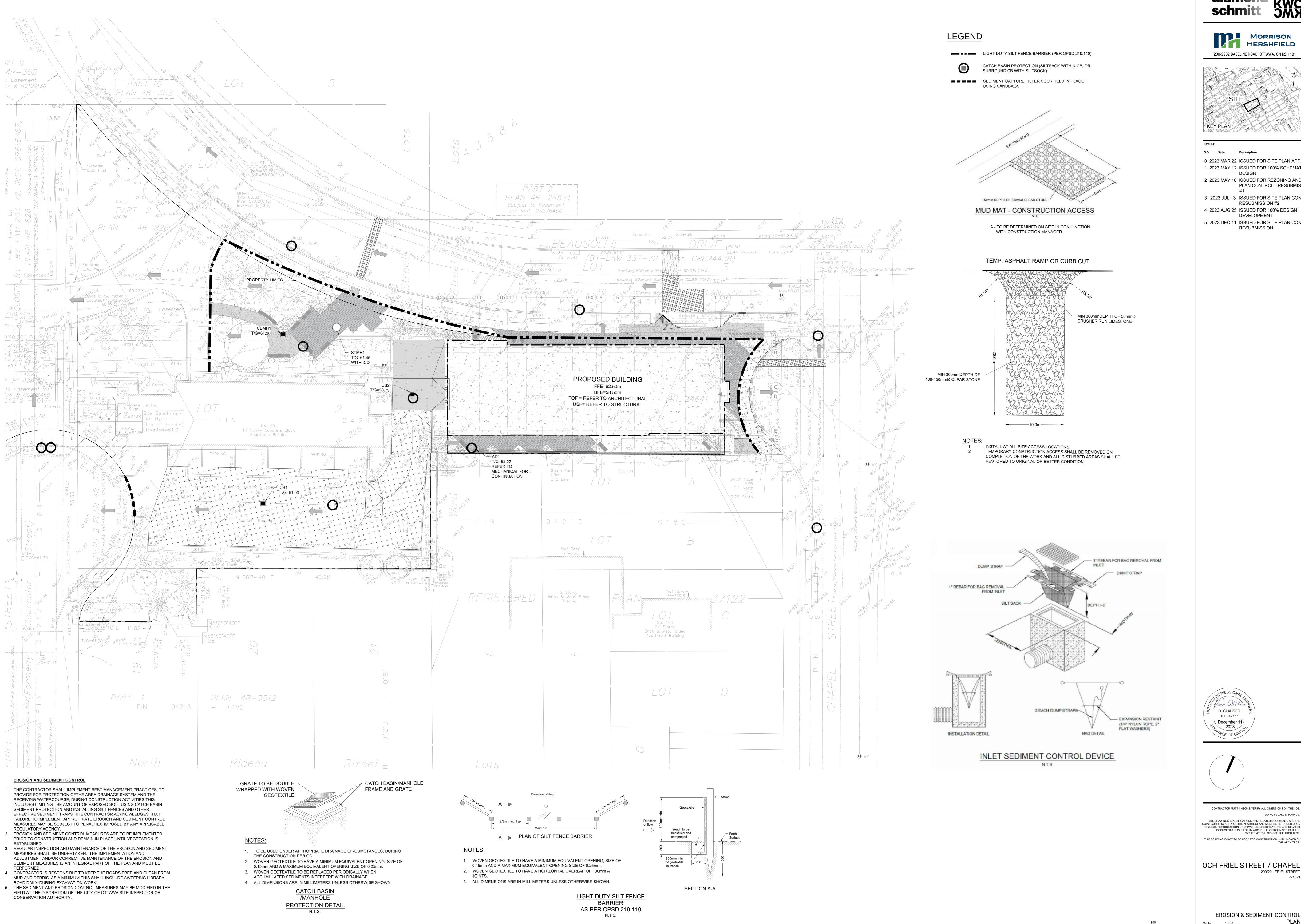
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Project No: 220262300

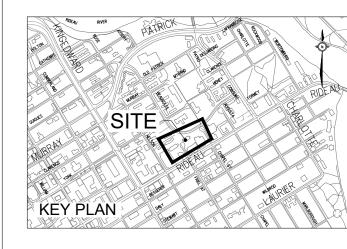
HORIZONTAL



200/201 FRIEL STREET





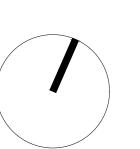


2 2023 MAY 18 ISSUED FOR REZONING AND SITE PLAN CONTROL - RESUBMISSION

3 2023 JUL 13 ISSUED FOR SITE PLAN CONTROL RESUBMISSION #2 4 2023 AUG 25 ISSUED FOR 100% DESIGN

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EROSION & SEDIMENT CONTROL Scale: Project No: 220262300

HORIZONTAL

PLAN 🖔

200/201 FRIEL STREET

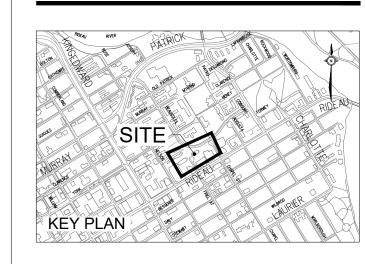
RT 9 4R-352 o Easement 37 & NS194180 PART 2 PLAN 4R-24641 Subject to Easement Concrete Sidewalk MH-ST T/G=62.84 InvW=60.09 (City) InvE=60.76 (City) InvS=60.64 (City) Existing 525mm Storm Sewer A S P/H A L T / () CR624776 Watermain DI Existing 600mmø Storm Sewer @2.2% CONC Existing 300mmø Sanitary <u>Sewer_@1.6%</u>-CONC-200mmø Watermain DI PLAN 4R-352 Evidence of UG Water 0 4 2 1 3 Approximate Building Outline Upper Levels AND SANITARY SEWERS WITHIN FOOTPRINT OF PROPOSED BUILDING AND BLANK AT THE MAIN. Fire Hydrant | \ P | N (Top of Spindle) / Elevation=61.91 13 Storey Concrete Block Apartment Building PARKING 0.15 OLF 0.15 00.25 N 58°49'15" E ±To Line Approximate Building Outline Upper Levels (Level 6 & 11) Asphalt Parking Lot P I N EP Asphalt Sidewalk EP REGISTERED Brick & Metal Sided Building 2 Storey 22 Storey Brick & Metal Sided Apartment Building PART 1 PLAN 4R-5512 PIN 04213 - 0182 North

NOTES:

1. COMPLETE ALL REMOVALS AND ABANDONMENTS IN ACCORDANCE WITH OPSS MUNI. 510.



MORRISON HERSHFIELD 200-2932 BASELINE ROAD, OTTAWA, ON K2H 1B1



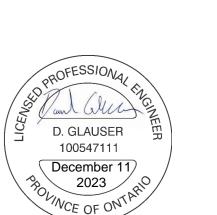
LEGEND

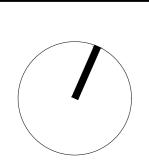
EXISTING WATERMAIN OR SEWER, VALVE CHAMBER, MAINTENANCE HOLE OR CATCH BASIN TO BE REMOVED OR ABANDONED (REMOVE IF WITH EXCAVATION LIMITS).

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REMOVALS PLAN



