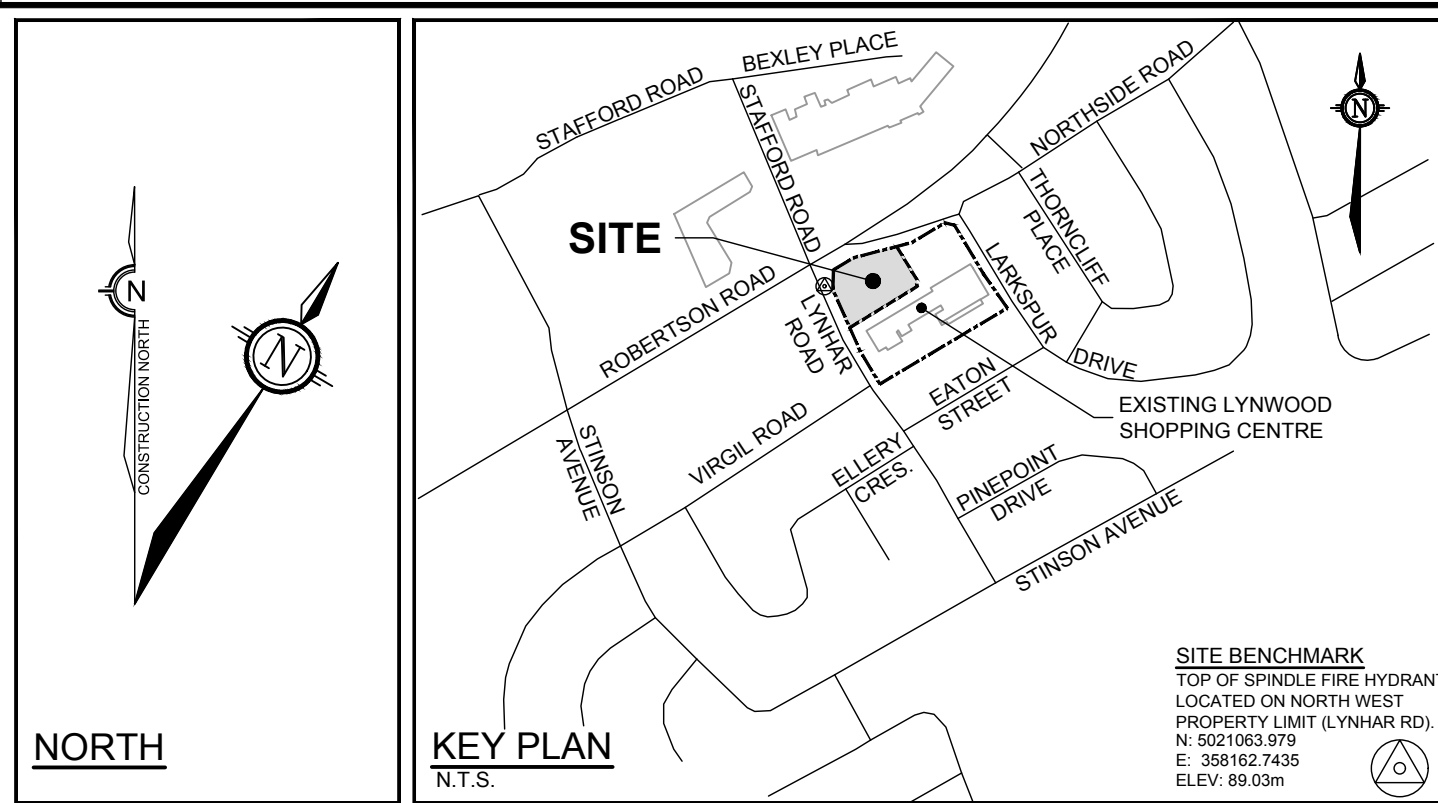


AREA ID	ZURN SPECIFICATION	NOTCHES	POST DEVELOPMENT ZURN ROOF DRAIN CONTROL PARAMETERS					
			12 - YEAR EVENT			1:100 - YEAR EVENT		
			HEAD(m)	Q(m³/s)	VOL(m³)	HEAD(m)	Q(m³/s)	VOL(m³)
RD1	ZCF121-1W-X2-2-105-10-77	4	0.068	3.06	1.15	0.111	4.95	4.84
RD2	ZCF121-1W-X2-2-105-10-77	4	0.068	3.06	1.15	0.111	4.95	4.84
RD3	ZCF121-1W-X2-2-105-10-77	4	0.068	3.06	1.15	0.111	4.95	4.84
ROOF SUBTOTAL			0.068	9.19	3.45	0.111	14.86	14.51

WATERMAIN TABLE - LYNWOOD RETAIL PLAZA			
150mmØ WATER SERVICE (MIN COVER = 2.4m)			
STATION	SURFACE ELEVATION	TOP OF WM ELEVATION	DESCRIPTION
0+000	87.55	85.15	CONNECTION TO EXISTING 200mmØ WATERMAIN
0+015	87.63	85.23	CROSSING OVER EXISTING 375mmØ SAN SEWER PROVIDE 0.25m CLEARANCE AS PER W25.2 EX SAN INV. @ CROSSING = 88.69 EX SAN OBV. @ CROSSING = 85.07±
0+025	87.71	85.31	45° BEND
0+041	87.83	85.43	VALVE & VALVE BOX
0+054	87.91	85.51	22.5° BEND
0+10	87.93	85.53	
0+15	88.05	85.64	
0+19.1	88.33	85.93	22.5° BEND
0+21.4	88.40	86.00	WM CAP 1.0m OFF BUILDING FACE

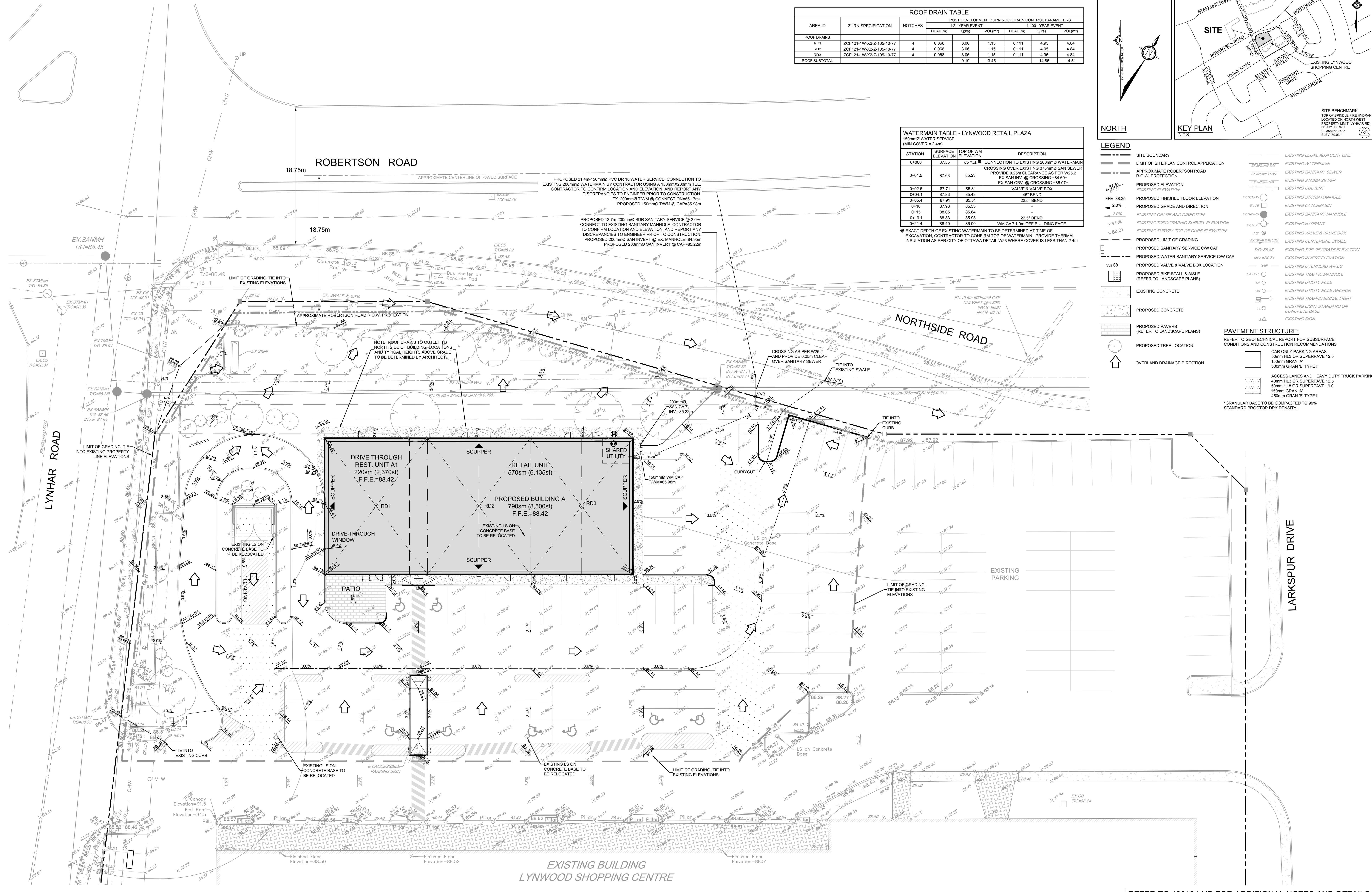


**LEGEND**

- SITE BOUNDARY
- LIMIT OF SITE PLAN CONTROL APPLICATION
- APPROXIMATE ROBERTSON ROAD R.O.W. PROTECTION
- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED FINISHED FLOOR ELEVATION
- PROPOSED GRADE AND DIRECTION
- EXISTING GRADE AND DIRECTION
- EXISTING TOPOGRAPHIC SURVEY ELEVATION
- EXISTING SURVEY TOP OF CURB ELEVATION
- PROPOSED LIMIT OF GRADING
- PROPOSED SANITARY SERVICE CW CAP
- PROPOSED WATER SANITARY SERVICE CW CAP
- PROPOSED VALVE & VALVE BOX LOCATION
- PROPOSED BIKE STALL & AISLE (REFER TO LANDSCAPE PLANS)
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PROPOSED PAVERS (REFER TO LANDSCAPE PLANS)
- PROPOSED TREE LOCATION
- OVERLAND DRAINAGE DIRECTION

**PAVEMENT STRUCTURE:**  
REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS

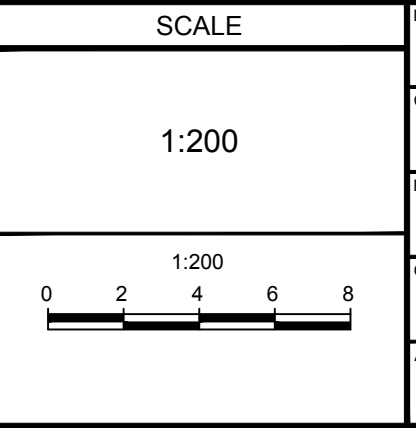
- CAR ONLY PARKING AREAS: 50mm HL3 OR SUPERPAVE 12.5 / 150mm GRAN 'A'
- ACCESS LANES AND HEAVY DUTY TRUCK PARKING: 40mm HL3 OR SUPERPAVE 12.5 / 50mm HL8 OR SUPERPAVE 19.0 / 150mm GRAN 'A'
- 450mm GRAN 'B' TYPE II
- \*GRANULAR BASE TO BE COMPACTED TO 99% STANDARD PROCTOR DRY DENSITY.



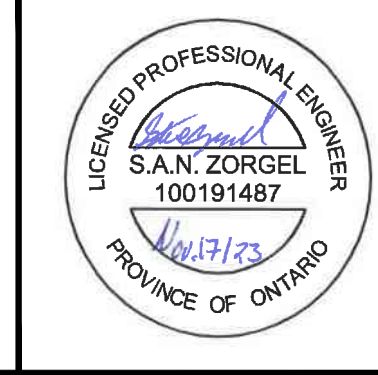
NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK,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

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

No.	REVISION	DATE	BY
6	REVISED AS PER CITY OF OTTAWA COMMENTS	NOV 17/23	SAZ
5	ISSUED FOR COORDINATION	OCT 25/23	SAZ
4	ISSUED FOR COORDINATION	OCT 16/23	SAZ
3	REVISED SITE PLAN	OCT 12/23	SAZ
2	ISSUED WITH SITE PLAN APPLICATION	MAR 3/23	SAZ
1	ISSUED FOR COORDINATION	FEB 24/23	SAZ



FOR REVIEW ONLY	DATE	BY
SAZ		
MSP		
MTM		
SAZ		
MSP		



**NOVATECH**  
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Website: www.novatech-eng.com

CITY OF OTTAWA  
1826 ROBERTSON ROAD  
LYNWOOD RETAIL PLAZA

DRAWING NAME  
**GRADING & SERVICING PLAN**

PROJECT No.: 106134-00  
REV # 6  
DRAWING No.: 106134-GS

REFER TO 106134-ND FOR ADDITIONAL NOTES AND DETAILS

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D07-12-23-0027

PLANS/2023

#XXXXX

GENERAL NOTES:

- 1) COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
2) DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3) OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
... 15) ALL PRIVATE APPROACHES MUST BE CONSTRUCTED AS PER CITY SPECIFICATION SC13.

GRADING NOTES:

- 1) ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS.
2) EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL CONSULTANT.
... 9) REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.

PAVEMENT STRUCTURE NOTES

- 1. SUBGRADE MATERIAL SHALL BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. ROADWAY GRANULAR MATERIAL SHALL BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
... 5. PRIOR TO THE PLACEMENT OF TOPLIFT, CONTRACTOR IS TO ADJUST ALL STRUCTURES AS PER CITY OF OTTAWA STANDARD R-2.

PAVEMENT STRUCTURE:

REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS

CAR ONLY PARKING AREAS
50mm HL3 OR SUPERPAVE 12.5
150mm GRAN 'A'
300mm GRAN 'B' TYPE II

ACCESS LANES AND HEAVY DUTY TRUCK PARKING
40mm HL3 OR SUPERPAVE 12.5
50mm HL8 OR SUPERPAVE 19.0
150mm GRAN 'A'
450mm GRAN 'B' TYPE II

\* GRANULAR BASE TO BE COMPACTED TO 99% STANDARD PROCTOR DRY DENSITY.

SERVICING NOTES:

- 1) COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
2) DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3) OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
... 14) ALL PRIVATE APPROACHES MUST BE CONSTRUCTED AS PER CITY SPECIFICATION SC13.

SEWER NOTES:

Table with 4 columns: ITEM, SPEC. No., REFERENCE, and details for sewer service connections, trench bedding, covers, sanitary sewers, and inspection chambers.

WATERMAIN NOTES:

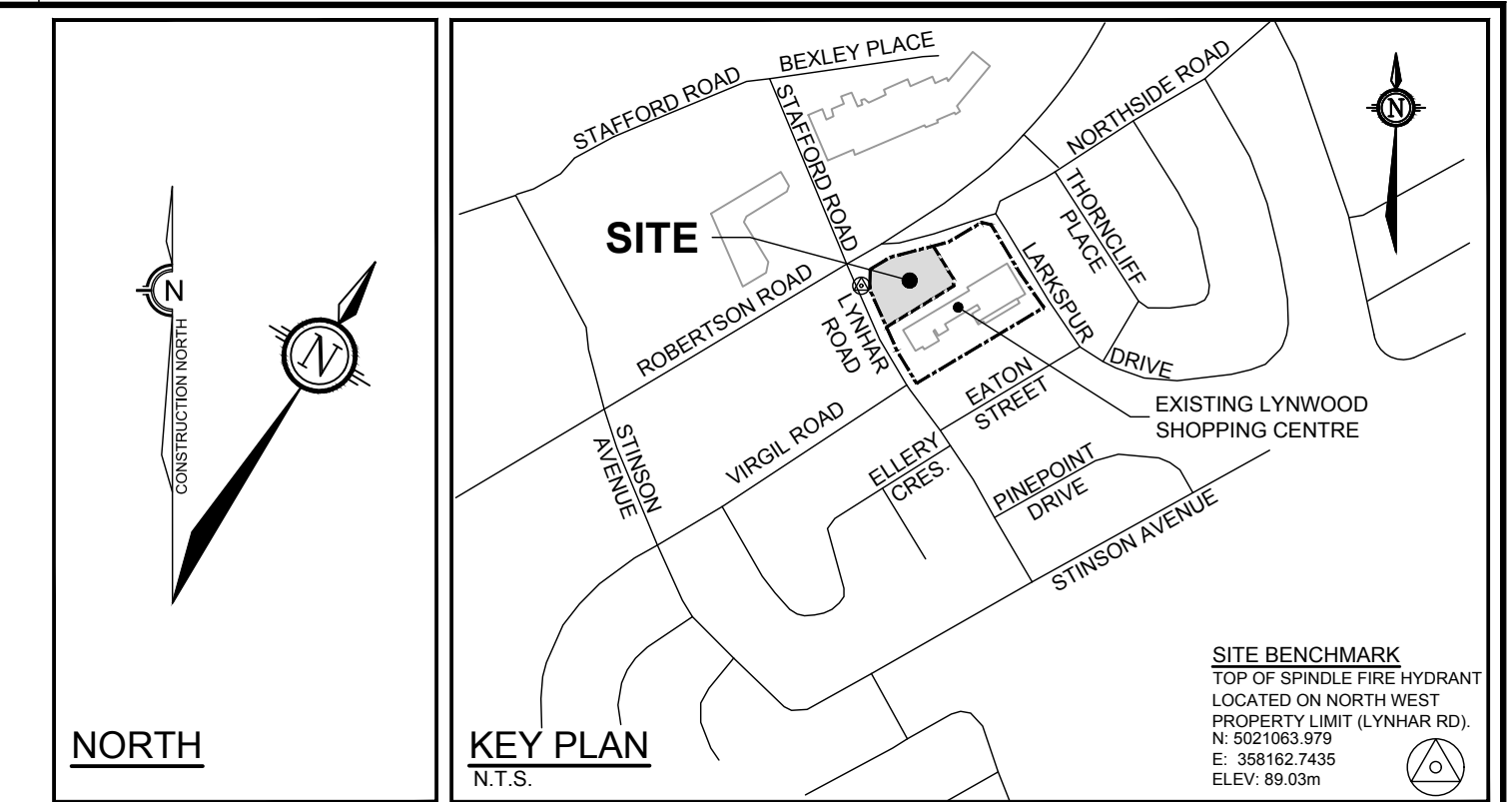
Table with 4 columns: ITEM, SPEC. No., REFERENCE, and details for watermain trenching, insulation, valves, watermain installation, and crossing structures.

EROSION AND SEDIMENT CONTROL NOTES:

- 1. THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA.
2. CONDITIONS OF THE SILT FENCE AND STRAW BALE/ROCK CHECK DAMS TO BE INSPECTED REGULARLY AND REPLACED OR REPAIRED AS INSTRUCTED BY THE ENGINEER.
... 8. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENT DEPOSITS AS REQUIRED AT THE SEDIMENT CONTROL DEVICES.

REMOVALS NOTES:

- 1. OBTAIN ALL APPROVALS AND PERMITS FROM THE CITY OF OTTAWA PRIOR TO ANY REMOVAL WORK OR CONSTRUCTION.



LEGEND

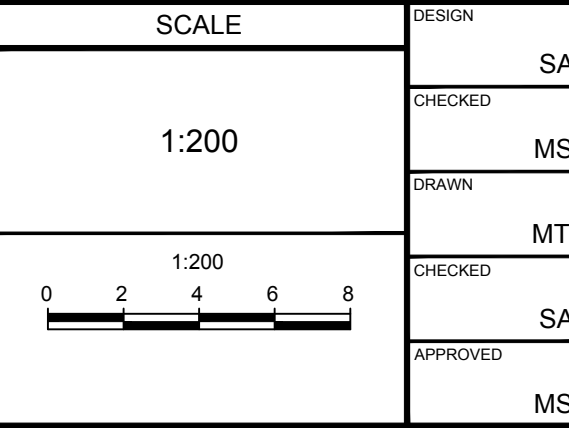
Legend detailing symbols and line styles for site boundary, proposed elevation, grading, sanitary service, drainage area, and various existing and proposed structures like manholes and hydrants.

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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...

Stamp: PRELIMINARY NOT FOR CONSTRUCTION. Includes a revision table with 2 entries: 'REVISED AS PER CITY OF OTTAWA COMMENTS' and 'ISSUED WITH SITE PLAN APPLICATION'.

Table with columns: No., REVISION, DATE, BY. Shows two revision entries.



FOR REVIEW ONLY stamp with checkboxes for design, checked, drawn, checked, approved, and MSP status.

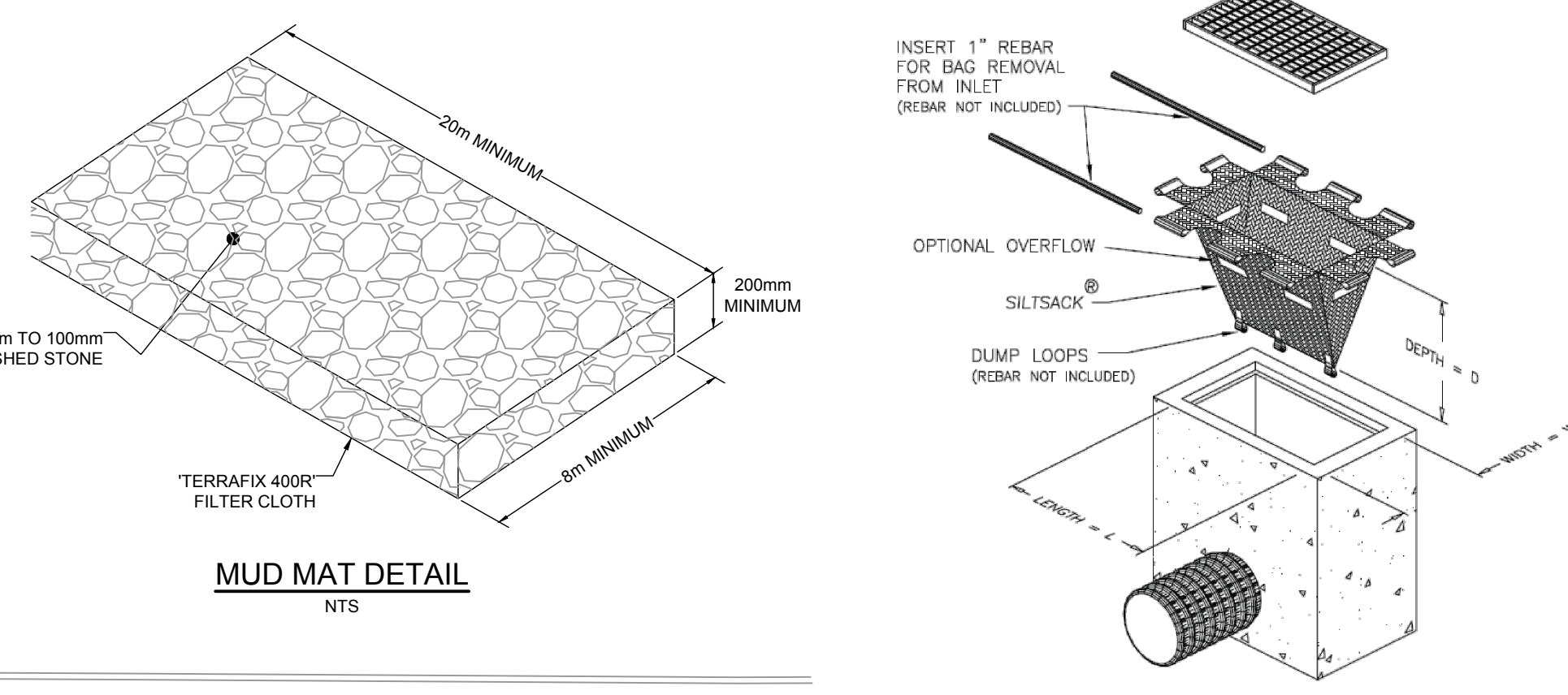
NOVATECH logo and contact information, including address (1826 Robertson Road) and phone/fax numbers.

Drawing information including project name (CITY OF OTTAWA 1826 ROBERTSON ROAD LYNWOOD RETAIL PLAZA), drawing number (106134-ND), and drawing title (NOTES & DETAILS PLAN).

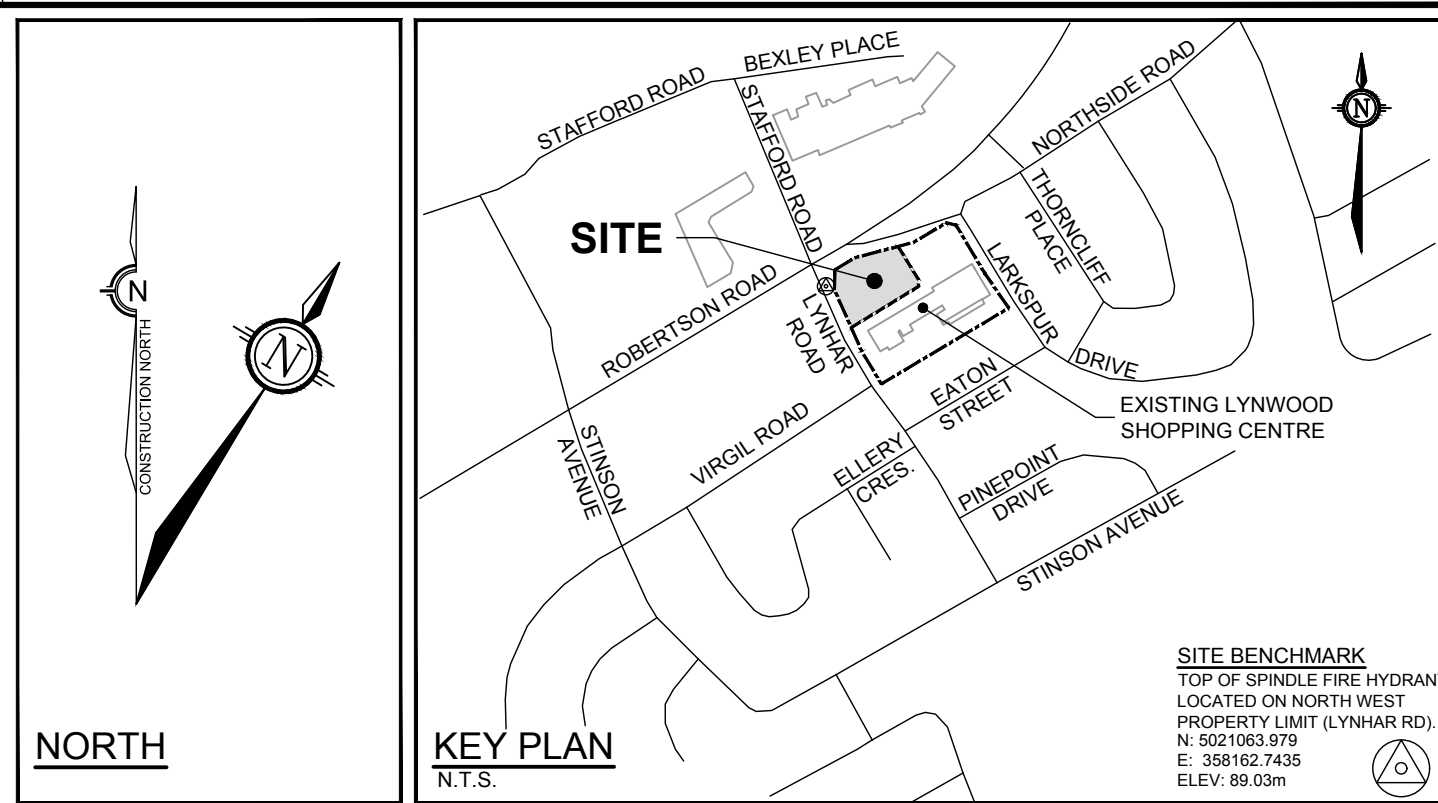
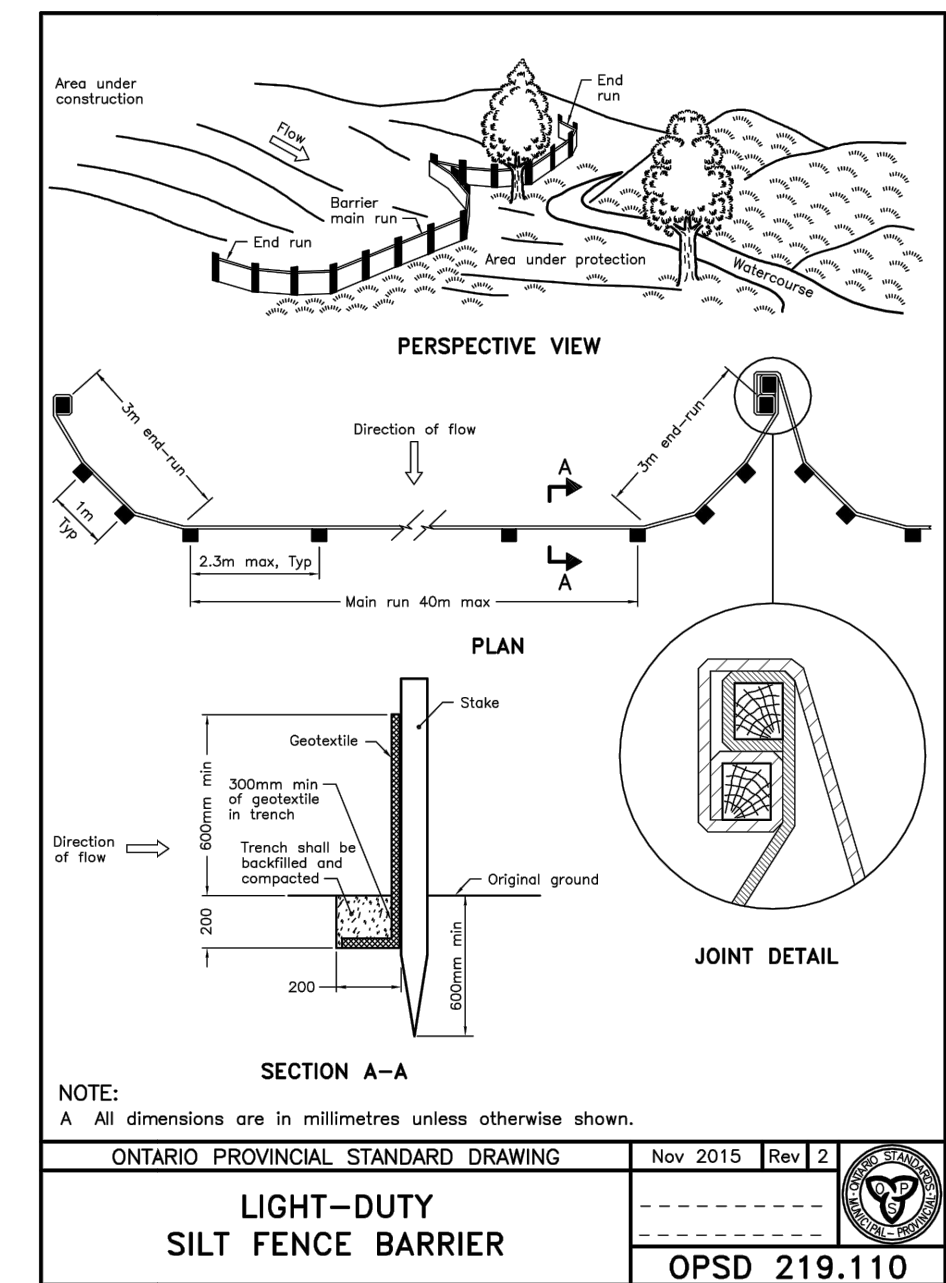
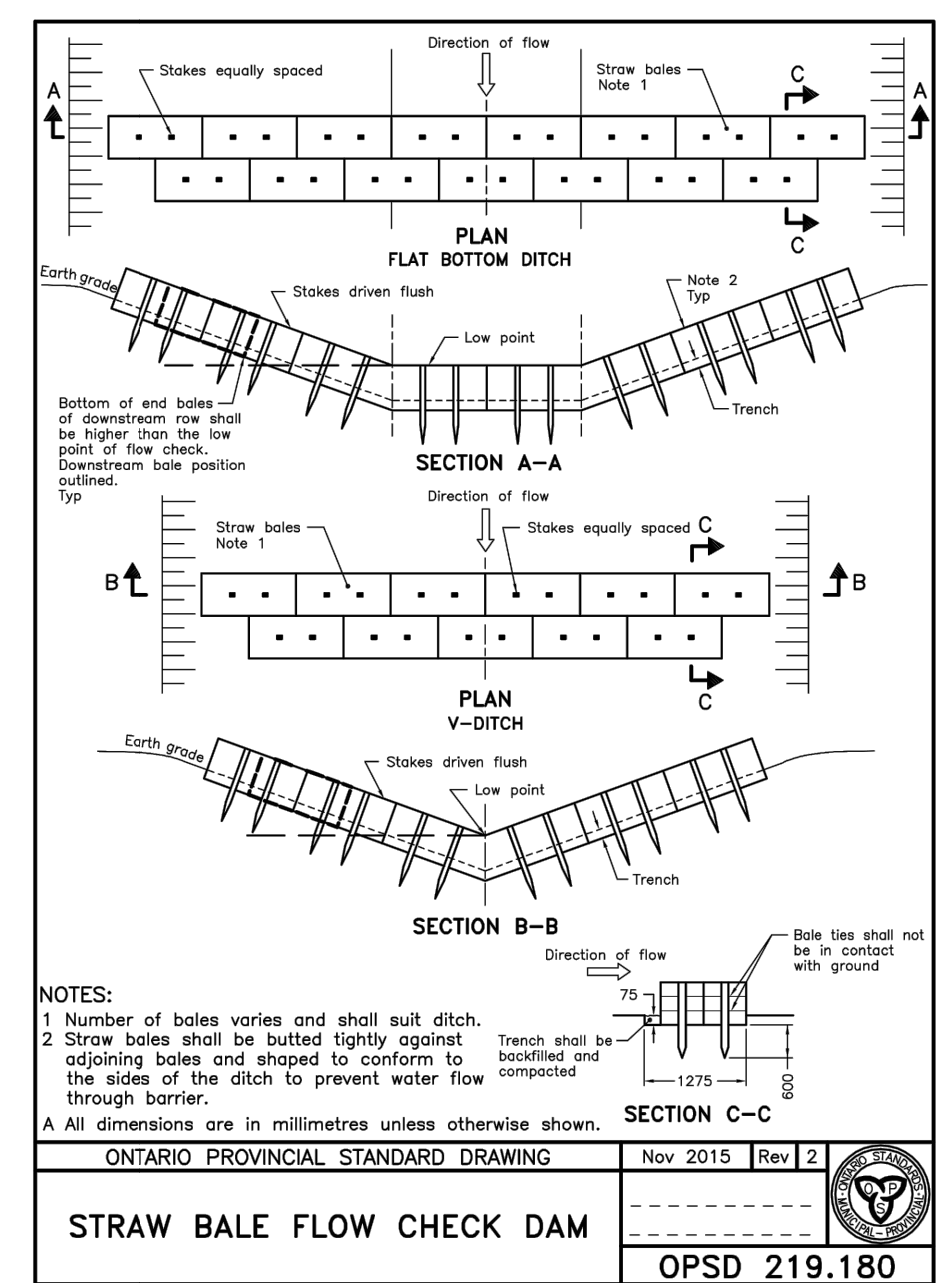
D07-12-23-0027

PLANTING

#XXXX

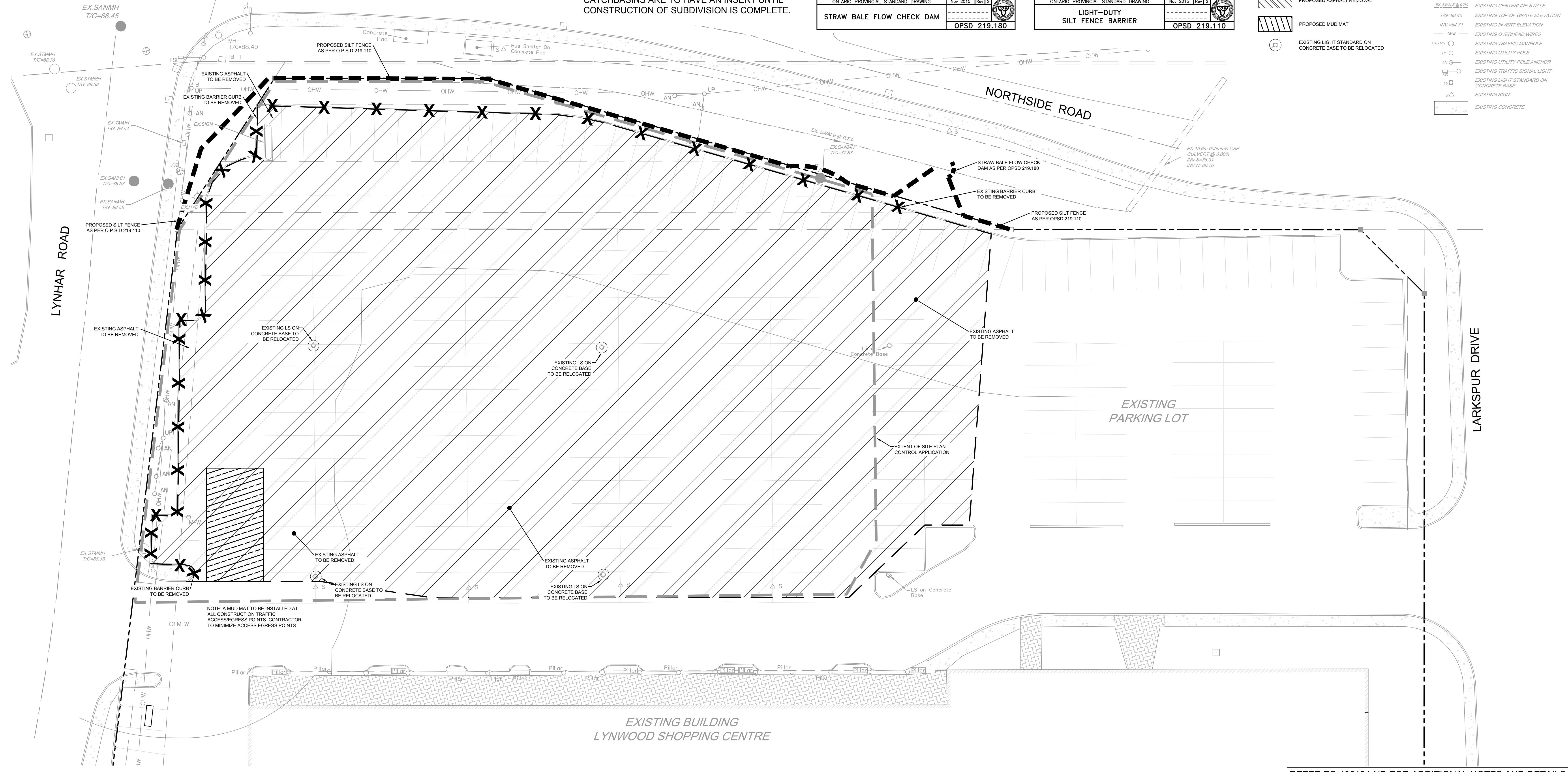


**TEMPORARY CATCHBASIN INSERT DETAIL - SILTSACK BY TERRAFIX**  
N.T.S.  
NOTE: ALL EXISTING AND PROPOSED CATCHBASINS ARE TO HAVE AN INSERT UNTIL CONSTRUCTION OF SUBDIVISION IS COMPLETE.



**LEGEND**

---	SITE BOUNDARY	---	EXISTING ADJACENT LEGAL LINE
---	LIMIT OF SITE PLAN CONTROL APPLICATION	---	EXISTING STORM MANHOLE
---	PROPOSED SILT FENCE (AS PER O.P.S.D. 219.110)	---	EXISTING CATCHBASIN
---	PROPOSED STRAW BALE (AS PER O.P.S.D. 219.180)	---	EXISTING SANITARY MANHOLE
X X X	EXISTING BARRIER CURB TO BE REMOVED	---	EXISTING HYDRANT
---	PROPOSED ASPHALT REMOVAL	---	EXISTING VALVE & VALVE BOX
---	PROPOSED MUD MAT	---	EXISTING CENTERLINE SWALE
---	EXISTING LIGHT STANDARD ON CONCRETE BASE TO BE RELOCATED	---	EXISTING TOP OF GRATE ELEVATION
---		---	EXISTING INVERT ELEVATION
---		---	EXISTING OVERHEAD WIRES
---		---	EXISTING TRAFFIC POLE
---		---	EXISTING TRAFFIC MANHOLE
---		---	EXISTING UTILITY POLE
---		---	EXISTING UTILITY POLE ANCHOR
---		---	EXISTING TRAFFIC SIGNAL LIGHT
---		---	EXISTING LIGHT STANDARD ON CONCRETE BASE
---		---	EXISTING SIGN
---		---	EXISTING CONCRETE

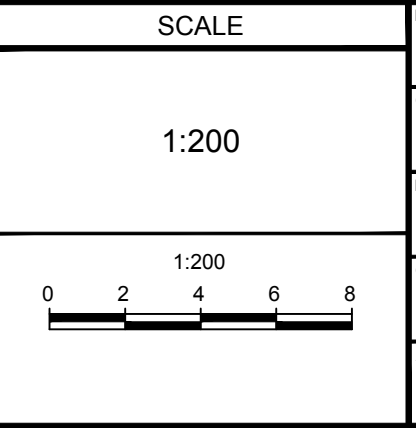


REFER TO 106134-ND FOR ADDITIONAL NOTES AND DETAILS

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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No.	REVISION	DATE	BY
2	REVISED AS PER CITY OF OTTAWA COMMENTS	NOV 17/23	SAZ
1	ISSUED WITH SITE PLAN APPLICATION	MAR 3/23	SAZ



DESIGN	SAZ
CHECKED	MSP
DRAWN	MTM
CHECKED	SAZ
APPROVED	MSP

FOR REVIEW ONLY



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CITY OF OTTAWA  
1826 ROBERTSON ROAD  
LYNWOOD RETAIL PLAZA

DRAWING NAME  
**REMOVALS AND EROSION & SEDIMENT CONTROL PLAN**

PROJECT No. 106134-00  
REV # 2  
DRAWING No. 106134-RM-ESC

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