



PROPOSED EXTERIOR PERSPECTIVE

# HOLY FAMILY CEMETERY CREMATORIUM

2543 LOWER BASE LINE ROAD MILTON, ONTARIO

**THE CATHOLIC CEMETERIES**  
of the Diocese of Hamilton

**GRGURIC ARCHITECTS INCORPORATED**

28 KING STREET EAST, UNIT B  
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adesso design inc.  
landscape architecture

218 Locke Street South, 2nd Floor  
Hamilton, ON L8P 4B4  
t. 905.526.8876  
www.adessodesigninc.ca

**DRAWING LIST:**

**ARCHITECTURAL, CIVIL & LANDSCAPE**

- A0.00 COVER SHEET & GENERAL NOTES
- A0.02 OBC DATA MATRIX, FIRE AND LIFE SAFETY PLANS
- 13-122 ORIGINAL LEGAL SURVEY
- C102 GRADING & EROSION CONTROL PLAN
- C103 GRADING & EROSION CONTROL PLAN
- C104 GRADING & EROSION CONTROL PLAN
- C105 SITE SERVICING PLAN
- C106 SITE SERVICING PLAN
- C107 SITE SERVICING PLAN
- C108 DEWATERING AND SEDIMENT AND EROSION CONTROL PLAN
- C109 NOTES AND DETAILS PLAN
- C110 CROSS SECTION PLAN
- SS1C SEWAGE SYSTEM - SITE PLAN AND DETAILS
- L0 LANDSCAPE COVER SHEET
- L-1 LANDSCAPE PLAN (STREET PLANTING)
- L-2 LANDSCAPE PLAN (CREMATORIUM)
- L-3 LANDSCAPE PLAN (SWM POND AND ROAD CROSSING)
- L-4 LANDSCAPE PLAN (RESTORATION PLANTING SECTION 1)
- L-5 LANDSCAPE PLAN AND DETAILS (RESTORATION PLANTING SECTION 2)
- A1.00 OVERALL SITE PLAN
- A1.05 BOUNDARY SITE PLAN
- A1.10 ENLARGED SITE PLAN
- A1.20 SITE DETAILS
- A2.00 FLOOR PLAN
- A2.10 ROOF PLAN
- A2.20 REFLECTED CEILING PLAN AND DETAILS
- A3.00 ELEVATIONS
- A3.01 ELEVATIONS
- A4.00 BUILDING SECTIONS
- A4.10 BUILDING SECTIONS
- A4.20 BUILDING SECTIONS
- A4.30 WALL SECTIONS AND DETAILS
- A4.40 WALL SECTIONS AND DETAILS
- A4.50 SECTION DETAILS
- A4.60 DETAILS
- A5.00 PLAN DETAILS
- A6.00 INTERIOR ELEVATIONS
- A6.01 WASHROOM ELEVATIONS
- A8.00 ROOM FINISH AND DOOR SCHEDULES

**STRUCTURAL**

- S0.0 GENERAL NOTES
- S0.1 GENERAL NOTES
- S0.2 TYPICAL DETAILS
- S1.0 FOUNDATION PLANS AND SECTIONS
- S2.0 SECTIONS
- S3.0 ROOF FRAMING PLANS, SCHEDULES AND DETAILS
- S4.0 SECTIONS AND DETAILS

**MECHANICAL**

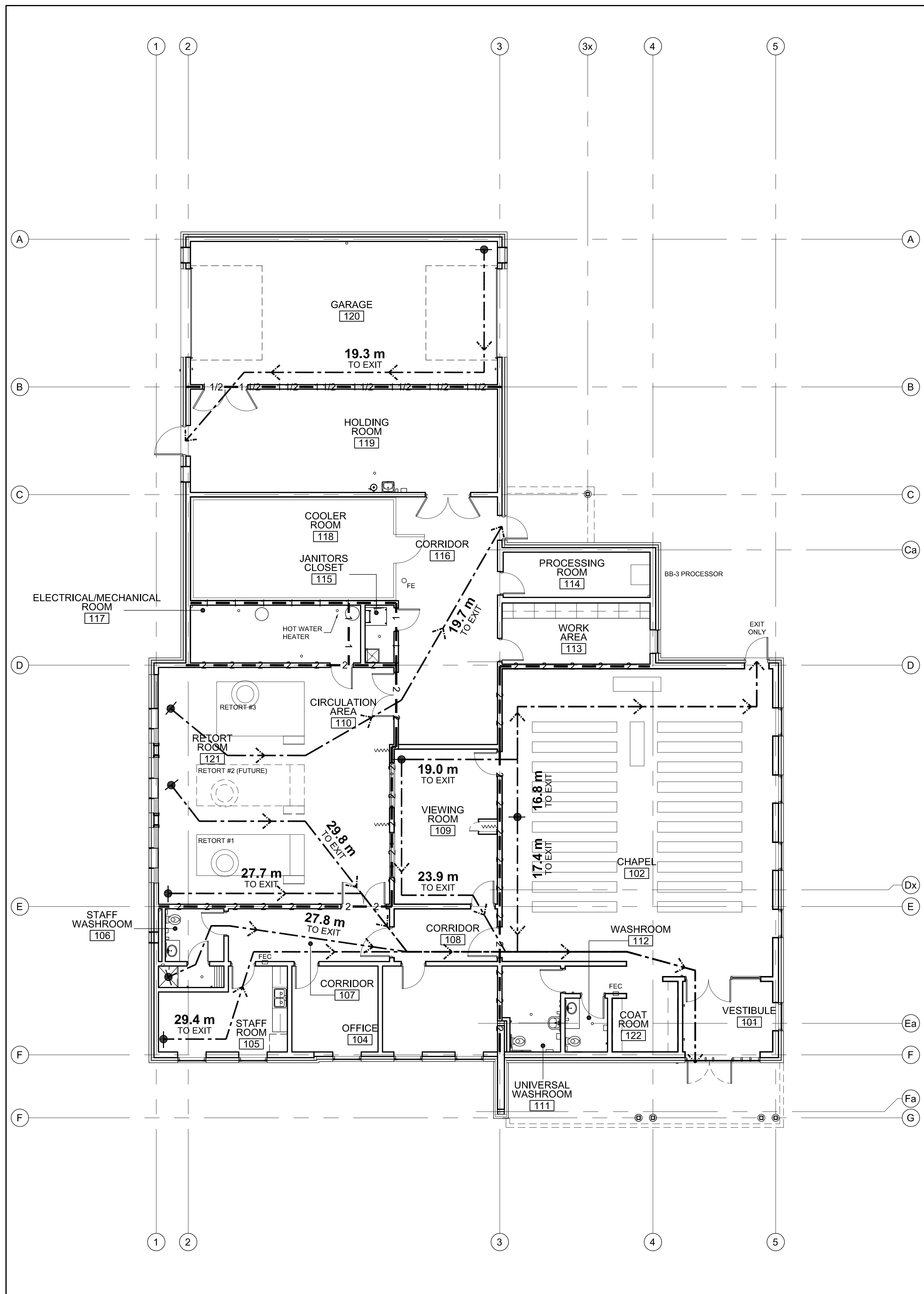
- M1 SCHEDULES, LEGENDS, AND SITE PLAN
- M2 DRAINAGE AND PLUMBING PLANS
- M3 HVAC AND ROOF PLANS
- M4 SCHEDULES AND DETAILS
- M5 SECTIONS
- M6 MECHANICAL SPECIFICATIONS
- M7 MECHANICAL SPECIFICATIONS

**ELECTRICAL**

- E01 KEY AND LOCATION PLANS - NOTES AND LEGENDS
- E02 SITE SERVICES PLAN - NOTES AND DETAILS
- E03 GROUND FLOOR PLAN - LIGHTING AND LIFE SAFETY, POWER AND COMMUNICATIONS
- E04 PANEL SCHEDULES, POWER DISTRIBUTION
- E05 DETAILS
- E05 ELECTRICAL SPECIFICATION
- E06 ELECTRICAL SPECIFICATION

**ISSUED FOR TENDER**  
2023-09-21

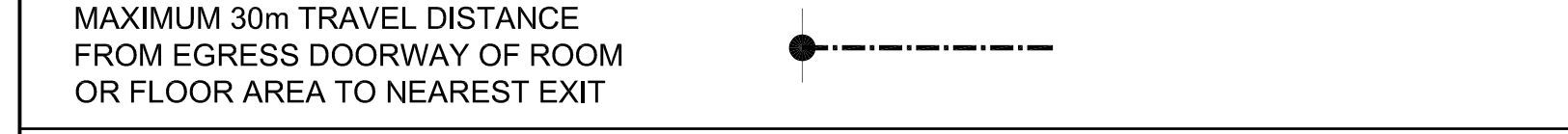
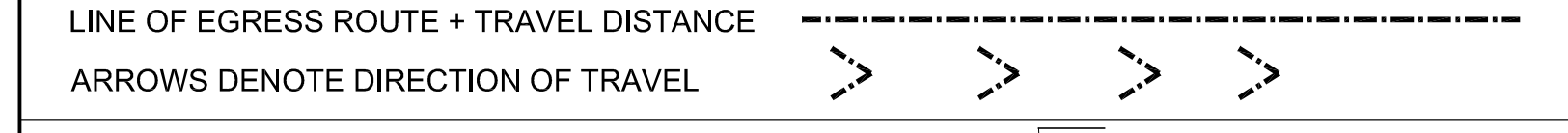
PROJECT NUMBER <b>2019-08</b>	SHEET NUMBER <b>A 0.00</b>
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**FIRE RESISTANCE RATING SCHEDULE**

1 HOUR FIRE SEPARATION	1	1	1	1	1
1 HOUR FIRE SEPARATION	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 HOUR FIRE SEPARATION	2	2	2	2	2

**TRAVEL DISTANCE**

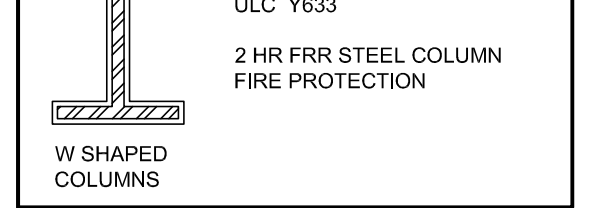


**NAME OF PRACTICE:** GRGURIC ARCHITECTS INCORPORATED  
**CERTIFICATE OF PRACTICE NUMBER:** 4760  
**CONTACT:** JOHN GRGURIC  
 28 KING STREET EAST, UNIT B, STONEY CREEK, ON L6G 1J8  
 TEL: 905-664-8737

**NAME OF PROJECT:** HOLY FAMILY CEMETERY CREMATORIUM  
**LOCATION:** 2543 LOWER BASELINE ROAD, MILTON ON, L9T 2X5

Item	Ontario's 2012 Building Code Data Matrix Parts 3 or 9				OBC Reference						
	Project Description:	Part 11	Part 3	Part 9	References are to Division B unless noted [A] for Division A or [C] for Division C						
1	Project Description: CONSTRUCTION OF A NEW CREMATORIUM BUILDING  Change of Use	<input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration	11.1 to 11.4	1.1.2, [A]	1.1.2 [A] & 9.10.1,3						
2	Major Occupancy(s)	GROUP F DIVISION 2, GROUP A DIVISION 2		3.1.2.1.(1)	9.10.2						
3	Building Area	Existing 0 m² New 748.5 m²		1.4.1.2.[A]	1.4.1.2.[A]						
4	Gross Area	Existing 0 m² Renovation Area 0 m² New 748.5 m²		1.4.1.2.[A]	1.4.1.2.[A]						
5	Number of storeys	1 Above grade 1 Below grade 0		1.4.1.2.[A] & 3.2.1.1	1.4.1.2.[A] & 9.10.4						
7	Number of Streets Fire Fighter Access	2		3.2.2.10 & 3.2.5	9.10.20.						
8	Building Classification	GROUP A, DIV. 2, UP TO 2 STOREYS, (3.2.2.25)		3.2.2.20.-83	9.10.2.						
9	Sprinkler System Proposed	<input type="checkbox"/> entire building <input type="checkbox"/> selected compartments <input type="checkbox"/> selected floor areas <input type="checkbox"/> basement <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> existing to remain (EXISTING BLDG)		3.2.2.20.-83 3.2.1.5. 3.2.2.17. INDEX	9.10.8.2	INDEX					
10	Standpipe required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.9	N/A						
11	Fire Alarm required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.4	9.10.18						
12	Water Service/Supply is Adequate	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3.2.5.7.	N/A						
13	High Building	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.2.6	N/A						
14	Permitted Construction	<input type="checkbox"/> Combustible permitted <input type="checkbox"/> Combustible <input type="checkbox"/> Non-combustible <input checked="" type="checkbox"/> Both		3.2.2.20.-83	9.10.6						
15	Mezzanine(s) Area m²	N/A		3.2.1.1.(3)-(8)	9.10.4.1						
16	Occupant load based on	<input type="checkbox"/> m²/person <input checked="" type="checkbox"/> design of building		3.1.17	9.8.1.3						
	1 <sup>st</sup> Floor	Occupancy CHAPEL (A2) Load 160 persons Occupancy CREMATORIUM (F2) Load 10 persons Total 170 persons									
17	Barrier-free Design	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain)		3.8	9.5.2						
18	Hazardous Substances	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3.3.1.2. & 3.3.1.19	9.10.1.3(4)						
19	Required Fire Resistance Rating (FRR)	Horizontal Assemblies Floors n/a Hours Roof n/a Hours Mezzanine n/a Hours FRR of Supporting Members Floors n/a Hours Roof n/a Hours Mezzanine n/a Hours	Listed Design No. or Description (SG-2) N/A Non-Combustible N/A Listed Design No. or Description (SG-2) N/A Non-Combustible N/A	3.2.2.20.-83 & 3.2.1.4	9.10.8. 9.10.9.						
19	Spatial Separation - Construction of Exterior Walls			3.2.3	9.10.14						
	Wall	Area of EBF (m²)	L.D. (m)	LH or HL	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Constr.	Comb. Non-Cladding	Non-Comb. Constr.
	North	137.87	13	3:1 TO 10:1	100	26.7	0	N/A	-	-	YES
	South	131.31	13	3:1 TO 10:1	100	25.1	0	N/A	-	-	YES
	East	88.78	11	3:1 TO 10:1	100	39.0	0	N/A	-	-	YES
	West	84.22	11	3:1 TO 10:1	100	2.6	0	N/A	-	-	YES
20	Sanitary Facility Summary								3.7.4.3.(16)	3.7.4.9.(2)(a)	
	Occupant Load	A2 Occupancy 160 F2 Occupancy 10									
	A2 Occupancy (3.7.4.3.(16))	Male/Female Count @ 50% / 50%									
	Total Females	80									
	Total Female Fixture Required	1									
	Total Female Fixture Provided	1									
	Total Males	80									
	Total Male Fixture Required	1									
	Total Male Fixture Provided	1									
	1 universal washroom and 1 unisex washroom provided for the A2 occupancy										

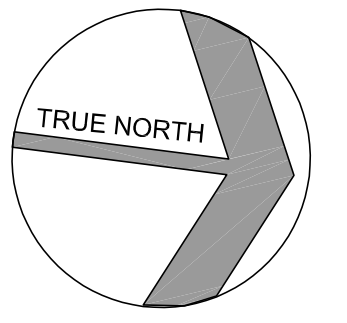
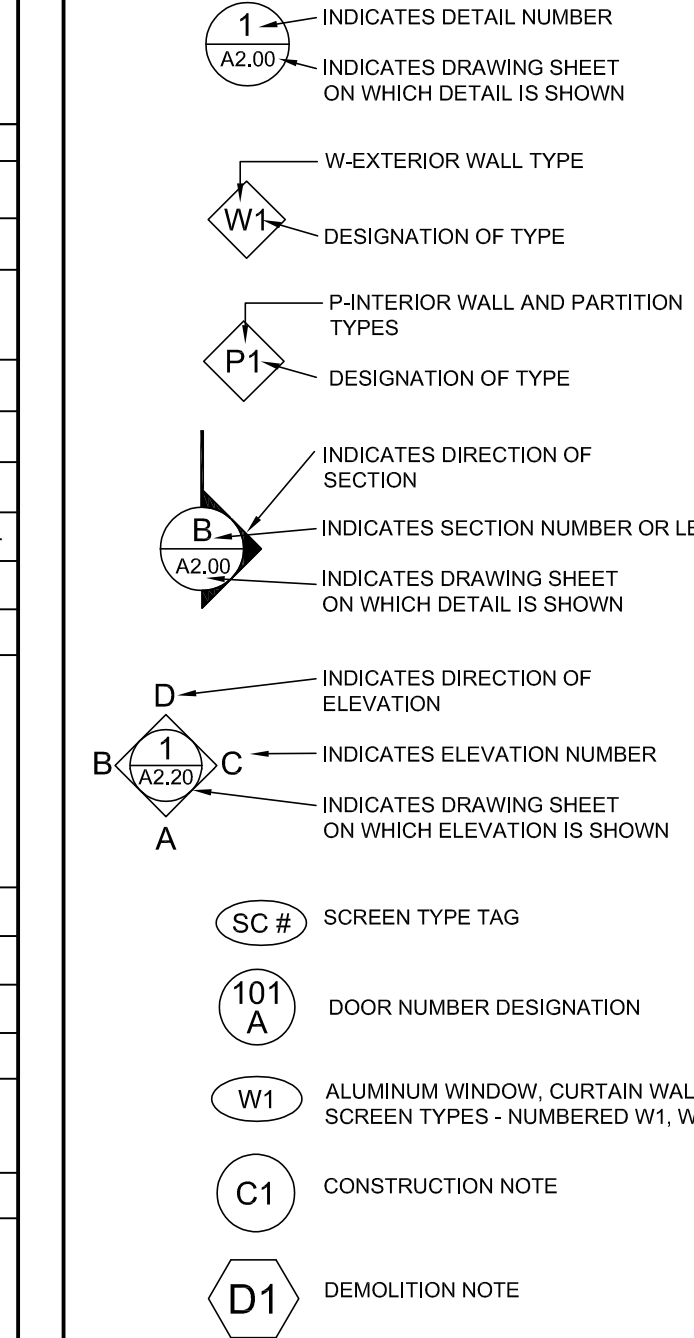
**INTUMESCENT PAINT COATINGS**



**GENERAL LIFE SAFETY NOTES**

- THE FOLLOWING GENERAL NOTES ON THIS DRAWING PROVIDE AN OVERVIEW AND SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL MECHANICAL AND ELECTRICAL DRAWINGS, DETAILS AND SPECIFICATIONS.
- REFER TO FIRE SEPARATION LOCATIONS INDICATED ON PLANS AND BUILDING SECTION DRAWINGS
- GROUND FLOOR IS SLAB ON GRADE CONSTRUCTION UNLESS OTHERWISE NOTED
- ENSURE CONTINUITY OF FIRE SEPARATION FRR BEHIND ALL BUILT-IN MECHANICAL AND ELECTRICAL WORK. INCREASE WALL THICKNESS LOCALLY FOR FULL HEIGHT OF WALL TO SUIT INSTALLATION OF MECHANICAL AND ELECTRICAL WORK
- BARRIER FREE PATH OF TRAVEL SHALL HAVE AN UNOBSTRUCTED WIDTH OF 1.1m
- PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH OBC 3.2.5.17.(1).
- BARRIER FREE DOORS & HARDWARE TO COMPLY WITH THE REQUIREMENT OF THE 2012 OBC 3.8.3.3. & 3.8.2.1.
- EVERY DOOR IN A FIRE SEPARATION SHALL BE EQUIPPED WITH A SELF CLOSING DEVICE & POSITIVE LATCHING MECHANISM AS PER OBC 3.1.8.11 & 3.1.8.13.
- ALL DOOR LOCKING HARDWARE WHERE APPLICABLE IN AN ACCESS TO EXITS ARE TO BE IN COMPLIANCE WITH OBC 3.3.1.12. DOORS SHALL BE READILY OPENABLE IN TRAVELLING TO AN EXIT WITHOUT REQUIRING KEYS, SPECIAL DEVICES, OR SPECIALIZED KNOWLEDGE OF THE DOOR OPENING MECHANISM.

**GRAPHIC SYMBOLS LEGEND**



**ABBREVIATIONS LEGEND**

- FE FIRE EXTINGUISHER
- FEC FIRE EXTINGUISHER CABINET
- FRR FIRE RESISTANCE RATING
- HR HOUR

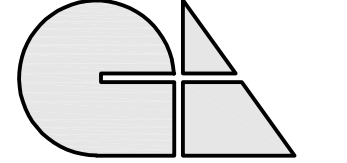
NO	REVISIONS	DATE
3.	ISSUED FOR TENDER	2023-09-21
2.	ISSUED AS PER CITY COMMENTS	2023-07-24
1.	ISSUED FOR BUILDING PERMIT	2023-05-26

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE ARCHITECTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECTS.

**HOLY FAMILY CEMETERY CREMATORIUM**  
 2543 LOWER BASELINE ROAD  
 MILTON, ONTARIO

**OBC DATA MATRIX, FIRE AND LIFE SAFETY PLANS**

**GRGURIC ARCHITECTS INCORPORATED**



28 KING STREET EAST, UNIT B  
 STONEY CREEK, ONTARIO, L6G 1J8  
 Tel. 905-664-8735 Fax. 905-664-8737  
 Web: www.2gai.com

SCALE:	PROJECT:
AS NOTED	2019-08
START DATE:	OCT. 2019
DRAWN:	DRAWING:
D.W.	A0.02
CHECKED:	J.G.
PRINT DATE	09/21/23

**1 FLOOR PLAN**  
 SCALE 1:100

PLAN BEING PART 1  
MUST BE READ IN CONJUNCTION WITH  
SURVEY REPORT (PART 2)

**SURVEYOR'S REAL PROPERTY REPORT**

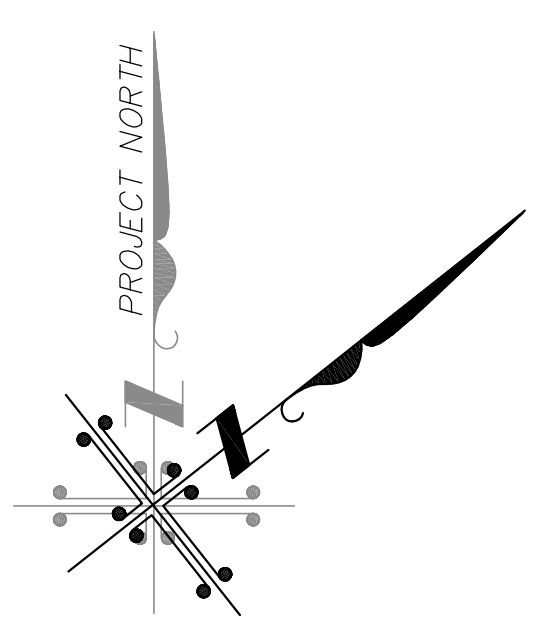
PLAN OF  
**PART OF LOT 1  
CONCESSION 2 NS**  
GEOGRAPHIC TOWNSHIP OF TRAFALGAR  
DISTRICT OF THE  
**TOWN OF MILTON**  
REGIONAL MUNICIPALITY OF HALTON  
SCALE 1 : 1000

LOWER BASELINE WEST AND BRONTE ROAD

**REPORT SUMMARY (PART 2)** (to be read in conjunction with Part 1)  
DATE RECEIVED: 07/25/13; DATE OF SURVEY: 07/25/13; DATE OF REPORT: 08/01/13  
SUBJECT TO: 2013

**REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY:**  
NONE

**ADDITIONAL REMARKS:**  
None



PART 1  
PLAN 20R-7162

LOT 31  
CONCESSION 2  
N. D. S.  
LOT 30

HIGHWAY No. 25 BRONTE ROAD

SUBJECT TO  
EASEMENT AS  
SHOWN ON  
PLAN 910  
(P-17-08-23)

"METRIC" DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES AND  
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

**NOTE:**  
FOR COMPARISON PURPOSES BEARINGS ON PLANS 20R-19107 AND 20R-18865  
WERE ROTATED FOR 0°52'10" CLOCKWISE

**Benchmark Note:**  
TOWN OF DAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT  
No. 2156 LOWER BASE LINE.

**Bearing Reference:**  
BEARINGS ARE ASTROMERIC AND ARE REFERRED TO THE NORTH WEST LIMIT OF  
LOWER BASE LINE, AS SHOWN ON PLAN 20R-18237,  
HAVING A BEARING OF N33°19'30"E.

**Surveyor's Certificate:**  
I CERTIFY THAT:  
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE  
WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT  
AND THE REGULATIONS MADE UNDER THEM;  
2. THE SURVEY WAS COMPLETED ON THE 12TH DAY OF AUGUST, 2013.

DATE: SEPTEMBER 06, 2013  
ROSS CLARKE  
DIARY LAND SURVEYOR  
FOR MACKAY, MACKAY & PETERS LIMITED

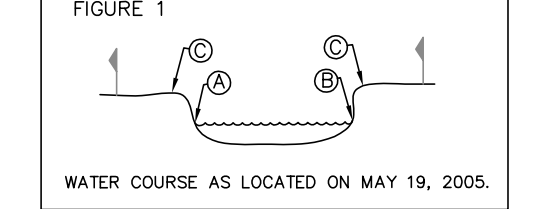
ASSOCIATION OF ONTARIO  
LAND SURVEYORS  
PLAN SUBSCRIBED FROM  
1883777

THIS PLAN IS NOT VALID  
UNLESS IT IS AN UNDOSSSED  
ORIGINAL COPY  
ISSUED BY THE SURVEYOR

13-122

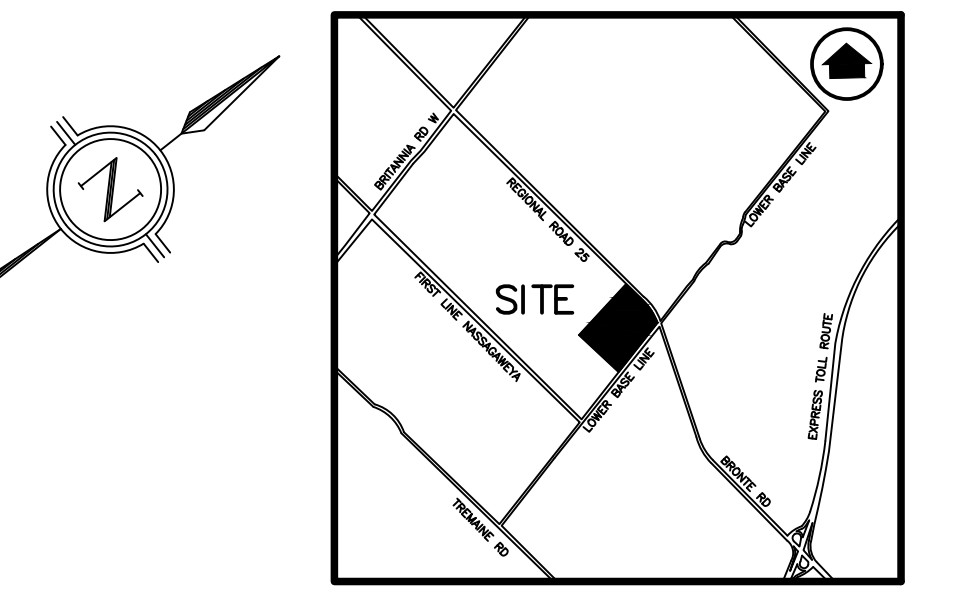
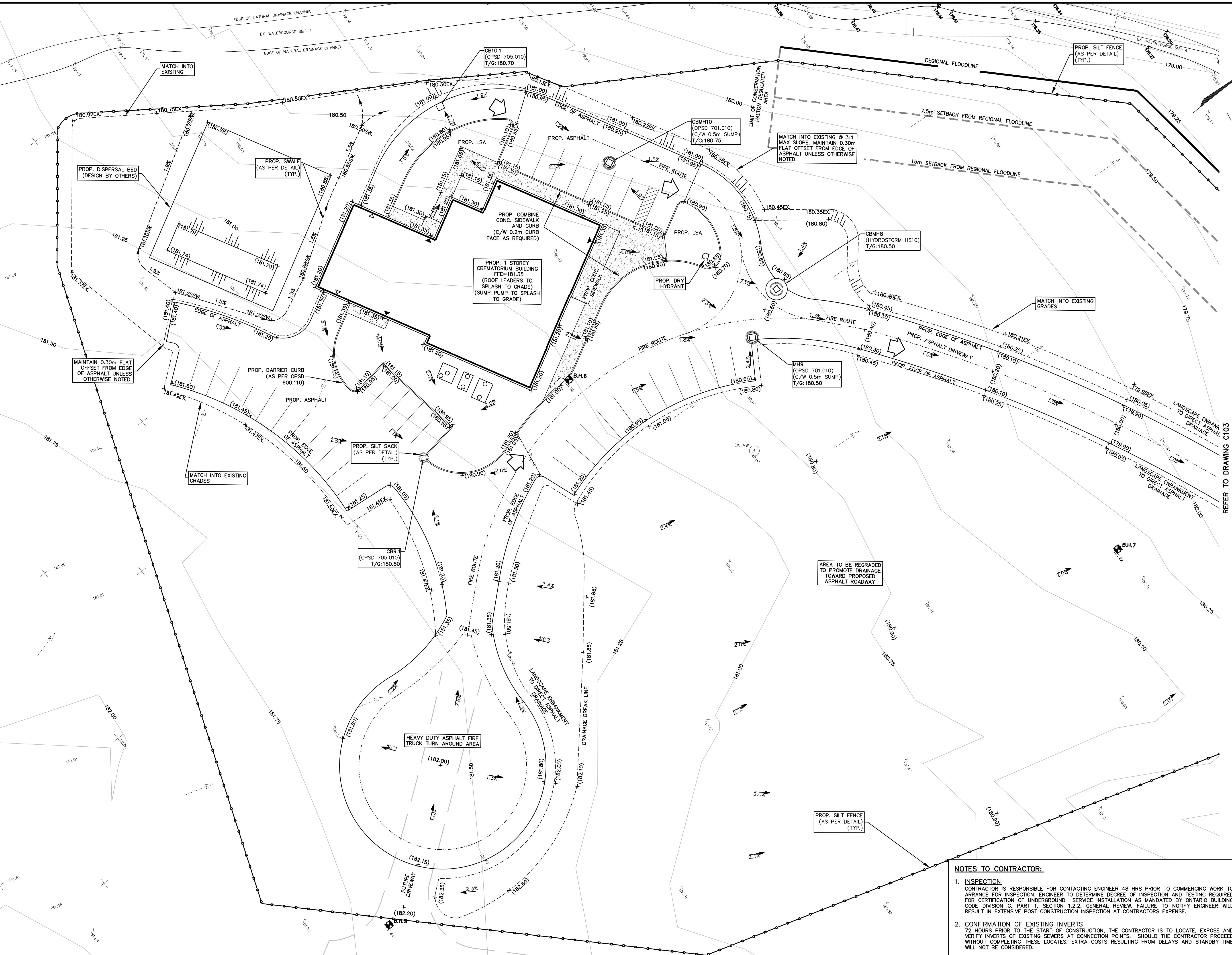
- Legend:**
- DENOTES A SURVEY MONUMENT POINT
  - DENOTES A SURVEY MONUMENT PLANNED
  - SB DENOTES STANDARD IRON BAR
  - SSB DENOTES SHORT STANDARD IRON BAR
  - RB DENOTES ROUND IRON BAR
  - MT DENOTES METAL MONUMENT
  - CC DENOTES CEMENT CONCRETE
  - CP DENOTES CONCRETE PIN
  - PN DENOTES PROPERTY IDENTIFICATION NUMBER
  - E DENOTES ELEVATION
  - (U) DENOTES UNKNOWN
  - MW DENOTES MONITORING WELL
  - HPW DENOTES WOOD HYDRO POLE
  - TR DENOTES TRAFFIC ROAD SIGN
  - CSP DENOTES CORRUGATED STEEL PIPE
  - T DENOTES TOP OF BANK
  - BT DENOTES TOP OF BANK AS STAKED OUT BY JENNIFER LAWRENCE AT HALTON CONSERVATION AUTHORITY SEPTEMBER 15, 2009
  - P1 DENOTES PLAN 20R-19107
  - P2 DENOTES PLAN 20R-18865
  - P3 DENOTES PLAN 20R-18237

- DENOTES ELEVATIONS MEASURED JUNE 5, 2009
- DENOTES ELEVATIONS MEASURED APRIL 29, 2011
- HP DENOTES HIGH POINT
- W DENOTES WATER
- WV DENOTES WATER VALVE
- U DENOTES UTILITY POLE
- MB DENOTES MAIL BOX
- W DENOTES FLAG SET BY CONSERVATION AUTHORITY IN 2009
- ↑ DENOTES FLAG SET BY CONSERVATION AUTHORITY MAY 26 AND 28, 2011
- DENOTES TOP OF BANK
- DENOTES TOP OF BANK AS STAKED OUT BY JENNIFER LAWRENCE
- DENOTES TOP OF BANK



**NOTE:**  
MACKAY, MACKAY & PETERS LIMITED  
REGISTERED PROFESSIONAL ENGINEERS  
PROFESSIONAL SURVEYORS

MACKAY, MACKAY & PETERS LIMITED  
3360 SOUTH SERVICE ROAD  
BURLINGTON, ONTARIO L7M 3J5  
PHONE: (905) 639-1370  
FAX: (905) 633-8844  
E-mail: milton@mmplimited.com  
Records of Sewell & Sewell  
and Yates & Yates LTD.



**LEGEND:**

- (209.00) EXISTING GROUND ELEVATION
- (209.00EX) PROPOSED GROUND ELEVATION
- 2.0% PROPOSED DIRECTION OF SHEET FLOW
- EXISTING CATCHBASIN
- EXISTING STORM/SANITARY MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED STORM/SANITARY MANHOLE
- PROPOSED CURB STOP/GATE VALVE
- EXISTING DIRECTION OF DRAINAGE
- PROPOSED DIRECTION OF SWALE FLOW
- PROPOSED DRAINAGE SPLIT LINE
- ⊙ (S.P.) PROPOSED SUMP PUMP
- PROPOSED DOWNSPOUT LOCATION
- PROPOSED SILTATION CONTROL FENCE
- PROPOSED CATCHBASIN SILT SACK
- PROPOSED OVERLAND FLOW ROUTE

**NOTES:**  
1. FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108

**BENCH MARK NOTE:**  
TOWN OF OAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT No. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
06	MAY 26/23	SJD	ISSUED FOR PERMIT
05	JAN/23	SJD	REVISED AS PER CONSERVATION COMMENTS
04	DEC/22	YM	REVISED AS PER CONSERVATION/TOWN COMMENTS
03	JULY/22	SJD	REVISED AS PER CONSERVATION/TOWN COMMENTS
02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

SCALE 1:250

**APPROVALS**

STAMP

S. LLEWELLYN & ASSOCIATES LIMITED  
CONSULTING ENGINEERS  
 3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8  
 Tel: (905) 631-6978  
 www.sla.on.ca  
 email: info@sla.on.ca

CLIENT  
**THE CATHOLIC CEMETERIES OF THE  
 DIOCESE OF HAMILTON**  
 600 SPRING GARDENS ROAD  
 BURLINGTON, ONTARIO

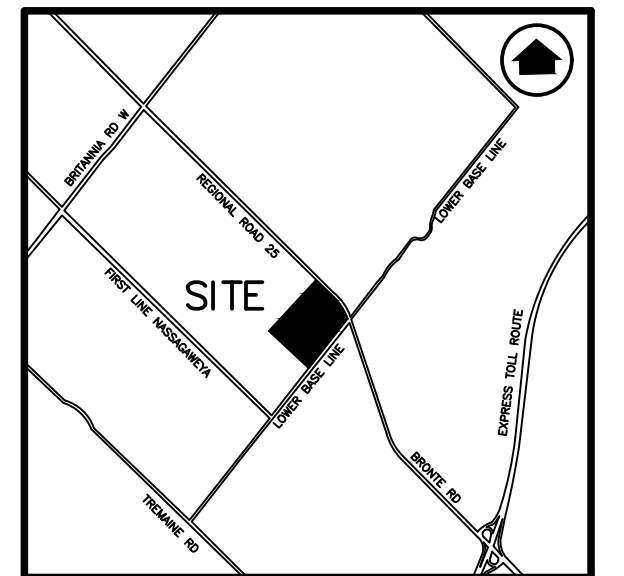
PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY  
 SPA FILE # SP 19-21**  
 2523 LOWER BASE LINE  
 MILTON, ONTARIO

TITLE  
**GRADING & EROSION  
 CONTROL PLAN**

PROJECT No. 13084 DRAWING No. C102

**NOTES TO CONTRACTOR:**

- INSPECTION**  
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.



- LEGEND:**
- (209.00) EXISTING GROUND ELEVATION
  - (209.00EX) PROPOSED GROUND ELEVATION
  - (209.00EX) PROPOSED ELEVATION TO MATCH EXISTING
  - 2.0% PROPOSED DIRECTION OF SHEET FLOW
  - EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - EXISTING DIRECTION OF DRAINAGE
  - PROPOSED DIRECTION OF SWALE FLOW
  - - - PROPOSED DRAINAGE SPLIT LINE
  - [S.P.] PROPOSED SUMP PUMP
  - PROPOSED DOWNSPOUT LOCATION
  - PROPOSED SILTATION CONTROL FENCE
  - PROPOSED CATCHBASIN SILT SACK
  - PROPOSED OVERLAND FLOW ROUTE

- NOTES:**
- FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108
- BENCH MARK NOTE:**
- TOWN OF OAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT  
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NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
06	MAY 26/23	SJD	ISSUED FOR PERMIT
05	JAN/23	SJD	REVISED AS PER CONSERVATION COMMENTS
04	DEC/22	YM	REVISED AS PER CONSERVATION/TOWN COMMENTS
03	JULY/22	SJD	REVISED AS PER CONSERVATION/TOWN COMMENTS
02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

SCALE 1:250

**APPROVALS**

STAMP

S. LLEWELLYN & ASSOCIATES LIMITED  
CONSULTING ENGINEERS

Tel. (905) 631-6978  
www.sla.on.ca  
email: info@sla.on.ca

3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT  
**THE CATHOLIC CEMETERIES OF THE  
DIOCESE OF HAMILTON**  
600 SPRING GARDENS ROAD  
BURLINGTON, ONTARIO

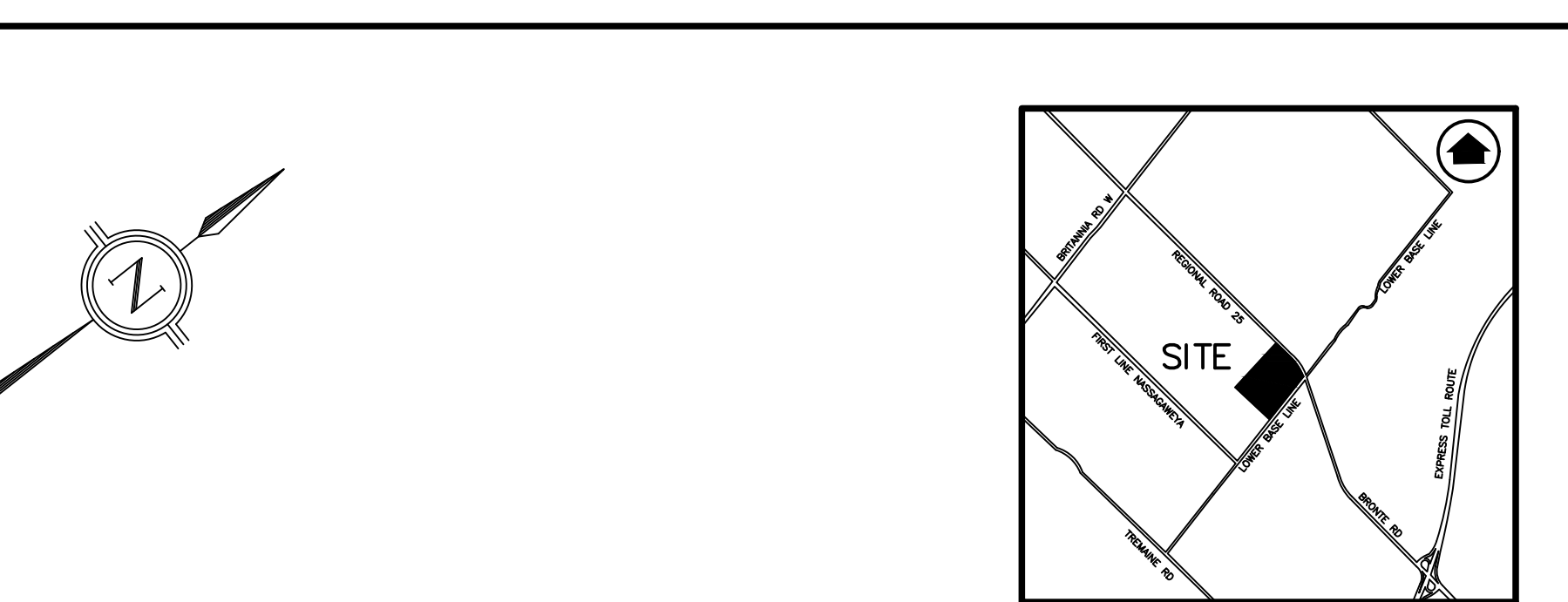
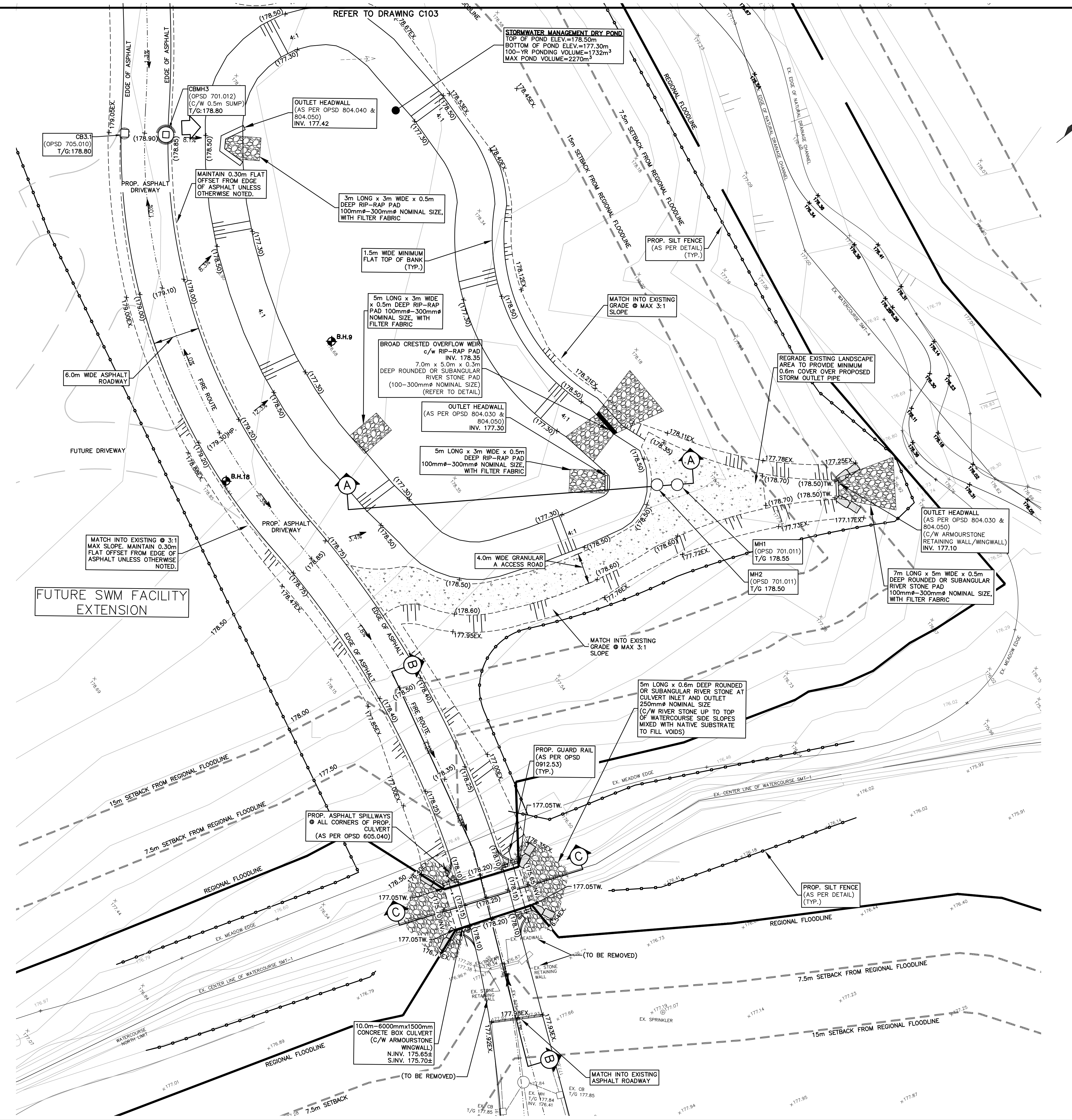
PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY  
SPA FILE # SP 19-21  
2523 LOWER BASE LINE  
MILTON, ONTARIO**

TITLE  
**GRADING AND EROSION  
CONTROL PLAN**

PROJECT No. 13084 DRAWING No. C103

**NOTES TO CONTRACTOR:**

- INSPECTION**  
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.



- LEGEND:**
- 10200.00 EXISTING GROUND ELEVATION
  - x(209.00) PROPOSED GROUND ELEVATION
  - x209.00EX PROPOSED ELEVATION TO MATCH EXISTING
  - 2.0% PROPOSED DIRECTION OF SHEET FLOW
  - EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - EXISTING DIRECTION OF DRAINAGE
  - PROPOSED DIRECTION OF SWALE FLOW
  - PROPOSED DRAINAGE SPLIT LINE
  - [S.P.] PROPOSED SUMP PUMP
  - PROPOSED DOWNSPOUT LOCATION
  - PROPOSED SILTATION CONTROL FENCE
  - PROPOSED CATCHBASIN SILT SACK
  - PROPOSED OVERLAND FLOW ROUTE

**NOTES TO CONTRACTOR:**

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**NOTES:**

- FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108

**BENCH MARK NOTE:**  
TOWN OF OAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT No. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
06	MAY 26/23	SJD	ISSUED FOR PERMIT
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04	DEC/22	YM	REVISED AS PER CONSERVATION/TOWN COMMENTS
03	JULY/22	SJD	REVISED AS PER CONSERVATION/TOWN COMMENTS
02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
				APRIL, 2021

SCALE: 1:250

**APPROVALS**

STAMP  
LICENSED PROFESSIONAL ENGINEER  
S.V. FRANKOWICH  
9/8/2023  
PROVINCE OF ONTARIO

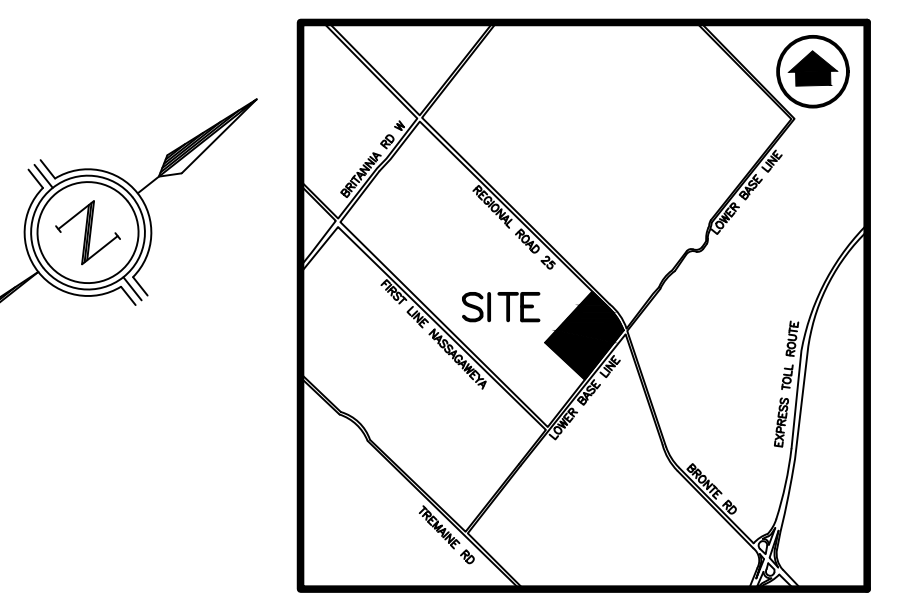
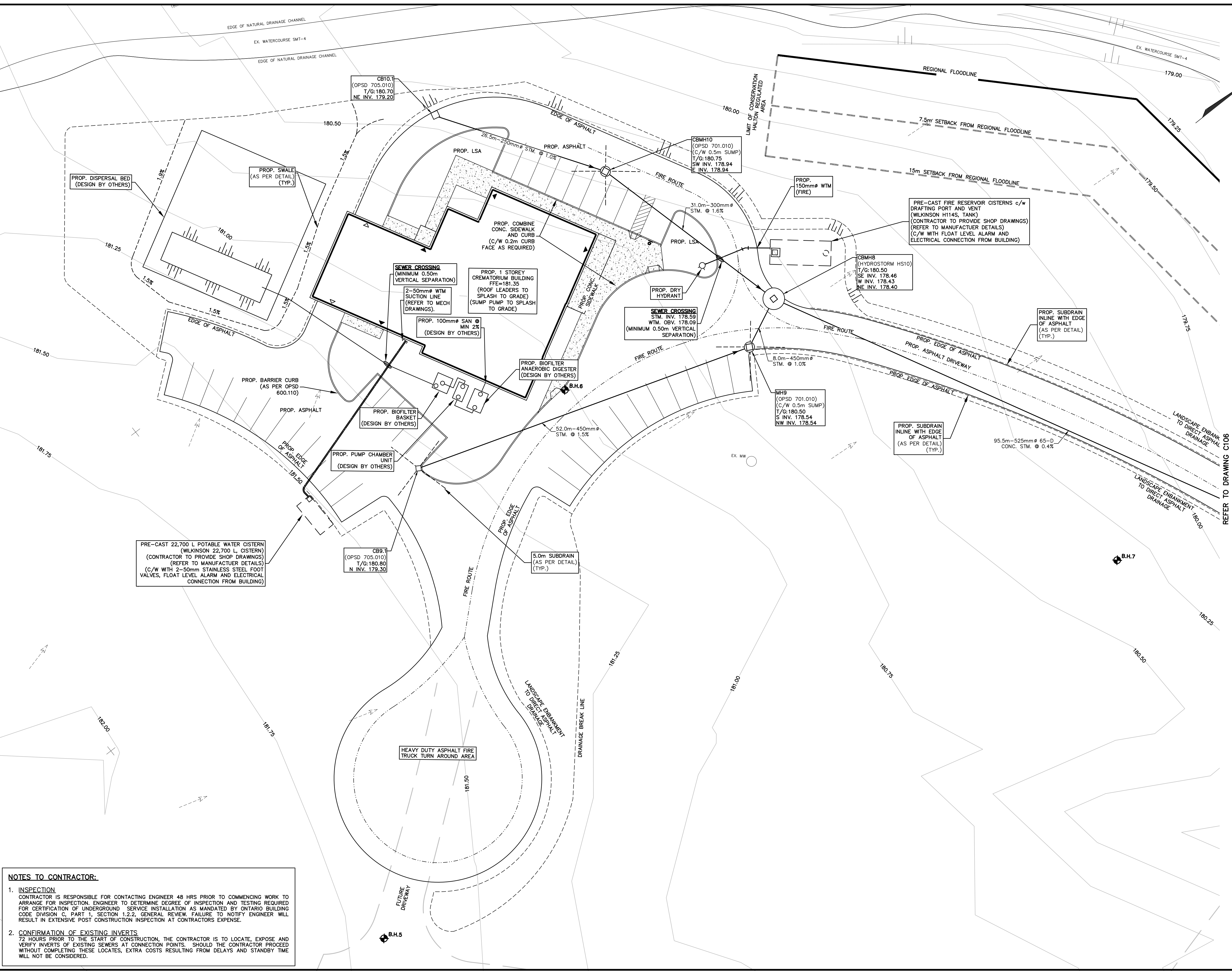
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CLIENT  
THE CATHOLIC CEMETERIES OF THE  
DIOCESE OF HAMILTON  
600 SPRING GARDENS ROAD  
BURLINGTON, ONTARIO

PROJECT NAME  
HOLY FAMILY CATHOLIC CEMETERY  
SPA FILE # SP 19-21  
2523 LOWER BASE LINE  
MILTON, ONTARIO

TITLE  
GRADING AND EROSION  
CONTROL PLAN

PROJECT No. 13084 DRAWING No. C104



- LEGEND:**
- EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - ⊙ PROPOSED WATER METER
  - ⊕ PROPOSED BACKFLOW PREVENTOR
  - ⊗ SEWER CROSSING
  - ▨▨▨▨ PROPOSED SEWER INSULATION

**NOTES:**  
 1. FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108  
**BENCH MARK NOTE:**  
 TOWN OF OAKVILLE BENCHMARK No. 162  
 WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT  
 No. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
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02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

SCALE 1:250

**APPROVALS**

STAMP  

 S.V. FRANKOWICH  
 9/8/2023  
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 600 SPRING GARDENS ROAD  
 BURLINGTON, ONTARIO

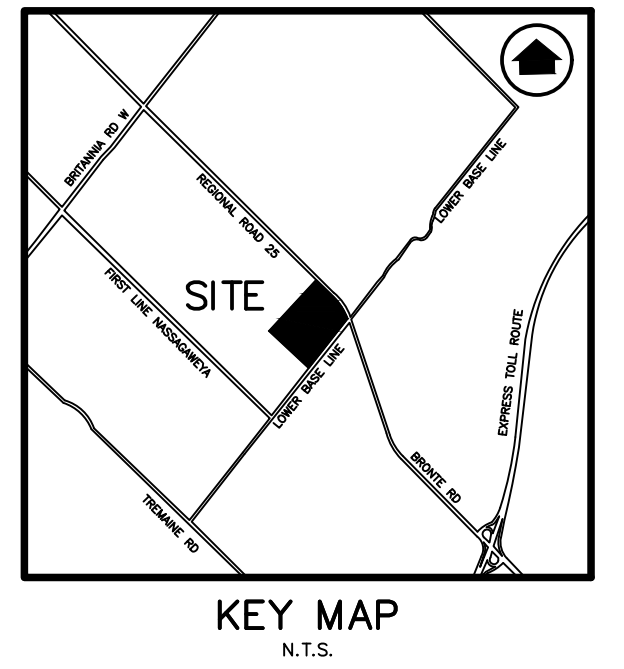
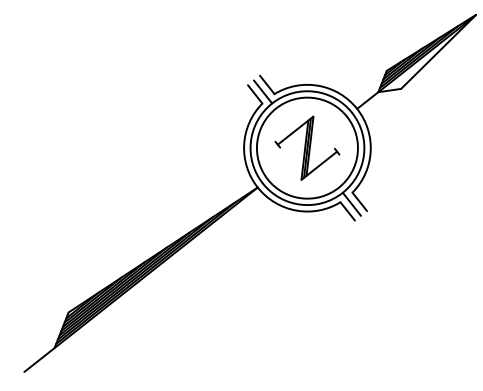
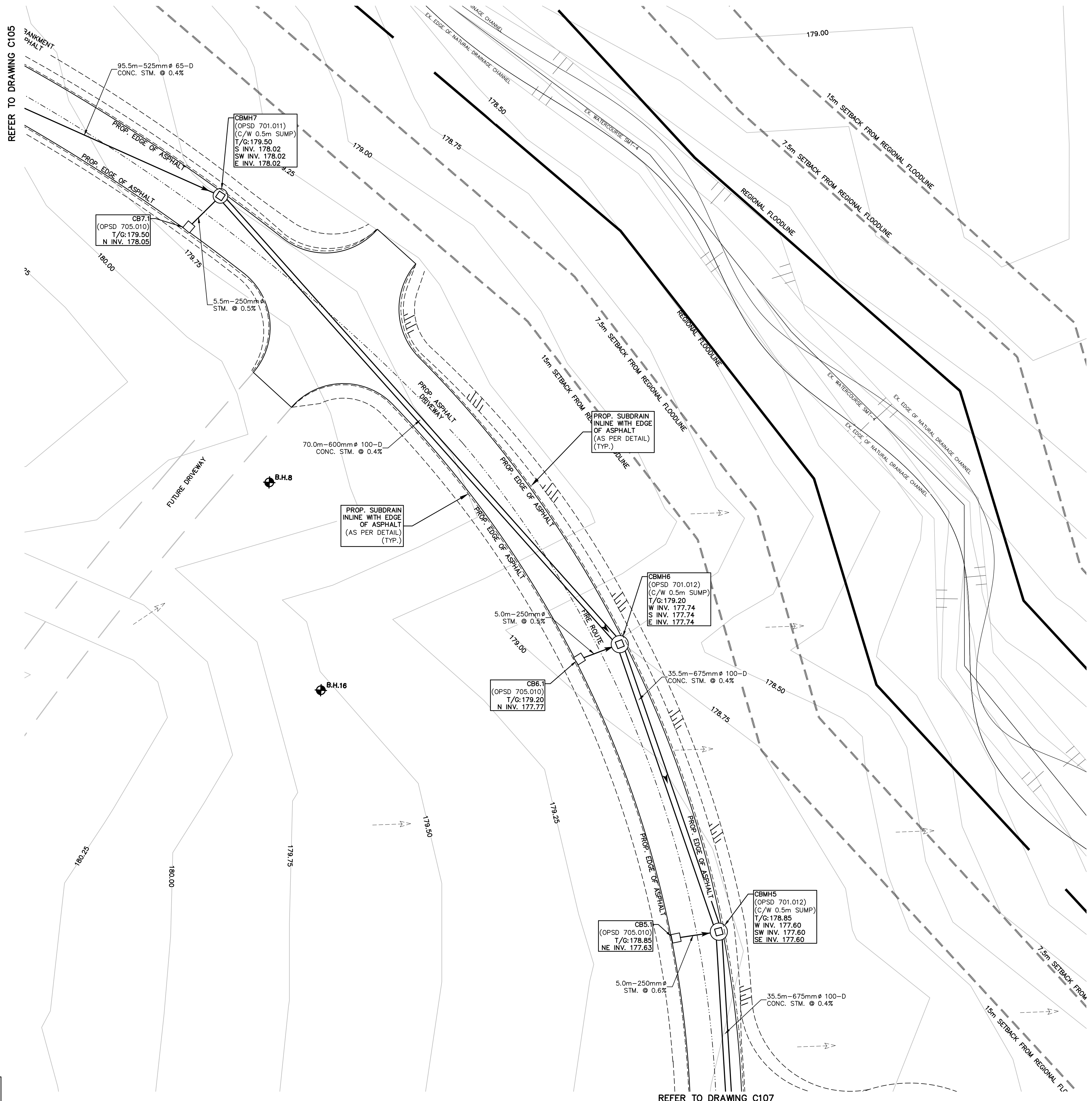
PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY**  
**SPA FILE # SP 19-21**  
 2523 LOWER BASE LINE  
 MILTON, ONTARIO

TITLE  
**SITE SERVICING PLAN**

PROJECT No. 13084 DRAWING No. C105

**NOTES TO CONTRACTOR:**

- INSPECTION**  
 CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
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- LEGEND:**
- EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - Ⓜ PROPOSED WATER METER
  - ⊕ PROPOSED BACKFLOW PREVENTOR
  - SEWER CROSSING
  - ////// PROPOSED SEWER INSULATION

**NOTES:**  
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**BENCH MARK NOTE:**  
TOWN OF OAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT  
No. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
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02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

SCALE 1:250

**APPROVALS**

STAMP  
LICENSED PROFESSIONAL ENGINEER  
S.V. FRANKOMCH  
9/8/2023  
PROVINCE OF ONTARIO

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CLIENT  
**THE CATHOLIC CEMETERIES OF THE  
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600 SPRING GARDENS ROAD  
BURLINGTON, ONTARIO

PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY  
SPA FILE # SP 19-21  
2523 LOWER BASE LINE  
MILTON, ONTARIO**

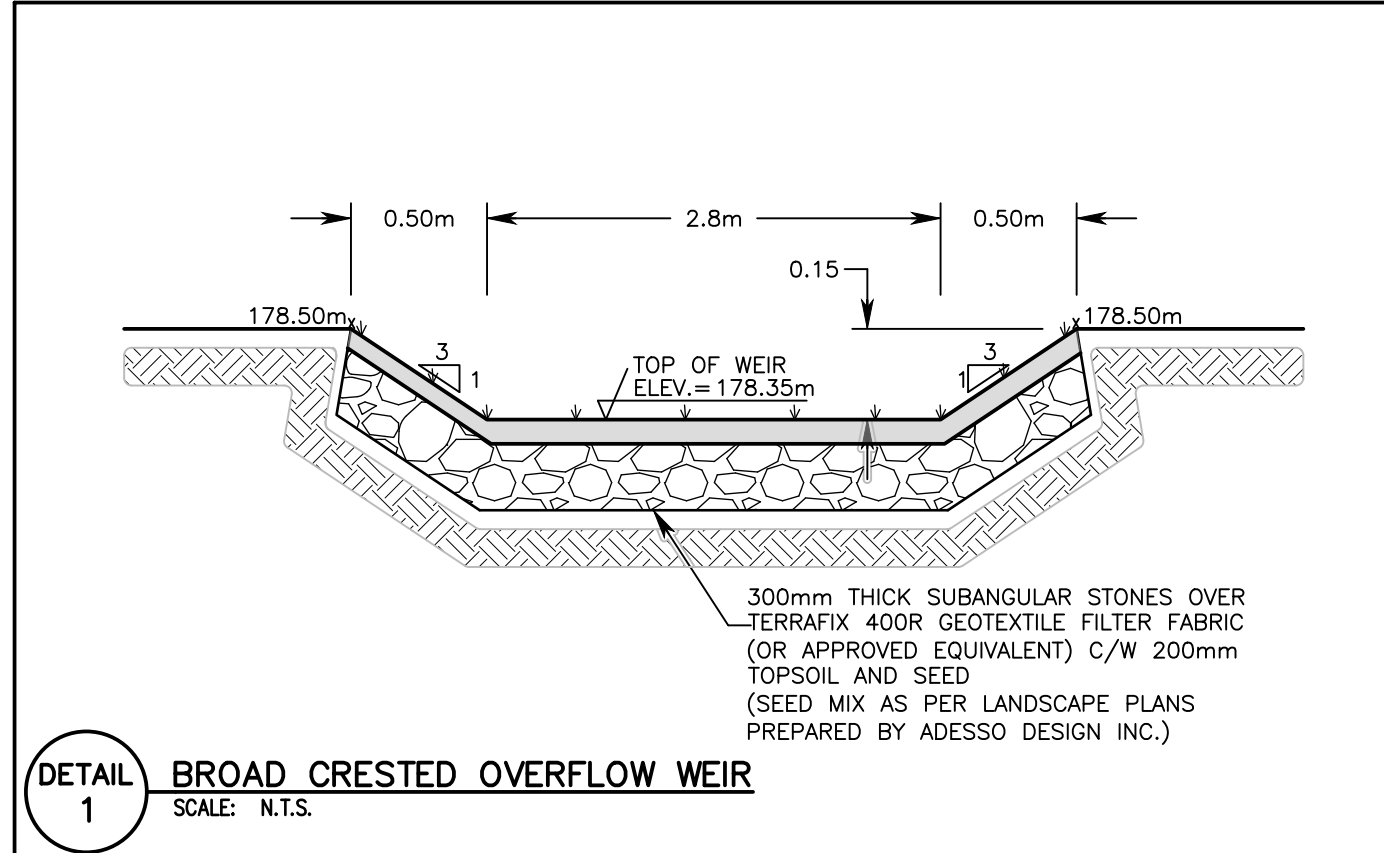
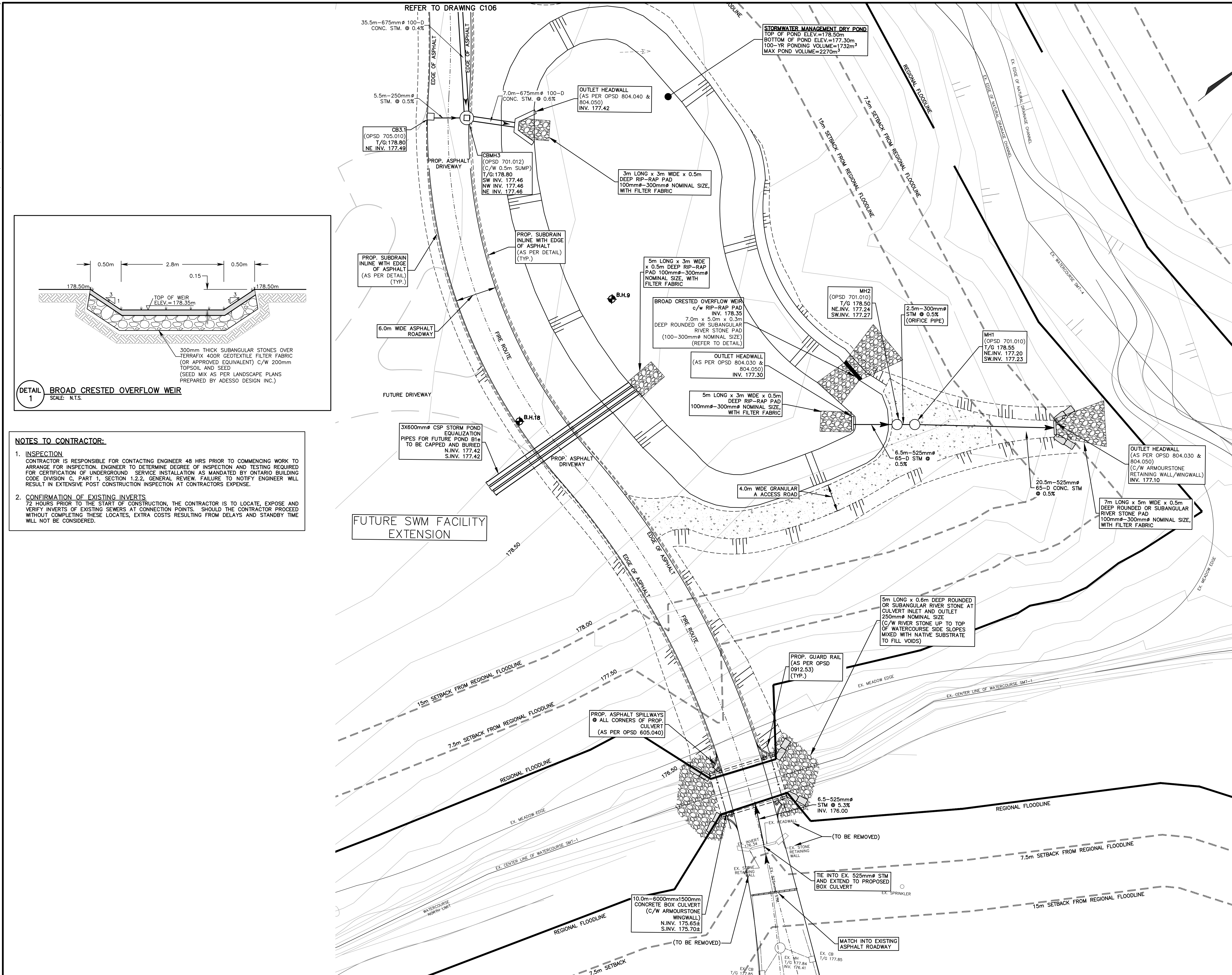
TITLE  
**SITE SERVICING PLAN**

PROJECT No. 13084 DRAWING No. C106

**NOTES TO CONTRACTOR:**

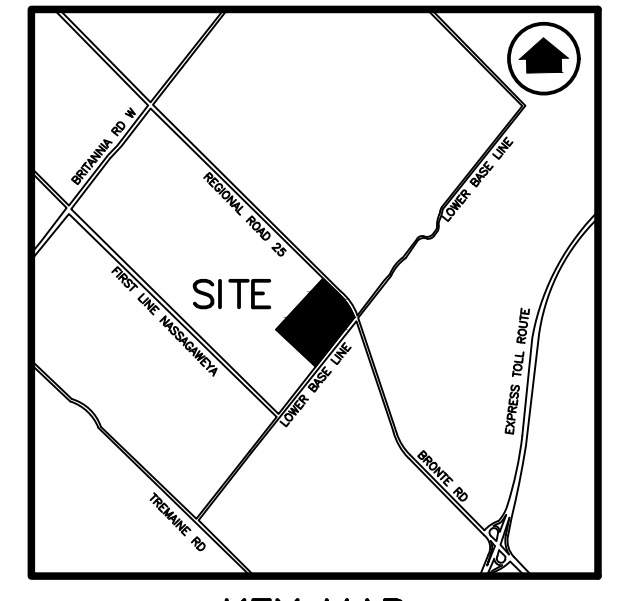
- INSPECTION**  
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**NOTES TO CONTRACTOR:**

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- LEGEND:**
- EXISTING CATCHBASIN
  - EXISTING STORM/SANITARY MANHOLE
  - PROPOSED CATCHBASIN
  - PROPOSED STORM/SANITARY MANHOLE
  - PROPOSED CURB STOP/GATE VALVE
  - PROPOSED WATER METER
  - PROPOSED BACKFLOW PREVENTOR
  - SEWER CROSSING
  - PROPOSED SEWER INSULATION

**NOTES:**

- FOR GENERAL NOTES AND DETAILS SEE DWG. No. C109

**BENCH MARK NOTE:**

TOWN OF OAKVILLE BENCHMARK No. 162  
 WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT No. 2156 LOWER BASE LINE.

REVISIONS

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
06	MAY 26/23	SJD	ISSUED FOR PERMIT
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02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN: SJD, CHK'D: SVF, DATE: APRIL, 2021  
 DRAWN: SJD, CHK'D: SVF

SCALE: 1:250

APPROVALS

STAMP

LICENSED PROFESSIONAL ENGINEER  
 S.V. FRANKOWICH  
 8/8/2023  
 PROVINCE OF ONTARIO

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CLIENT  
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 600 SPRING GARDENS ROAD  
 BURLINGTON, ONTARIO

PROJECT NAME  
 HOLY FAMILY CATHOLIC CEMETERY  
 SPA FILE # SP 19-21  
 2523 LOWER BASE LINE  
 MILTON, ONTARIO

TITLE  
 SITE SERVICING PLAN

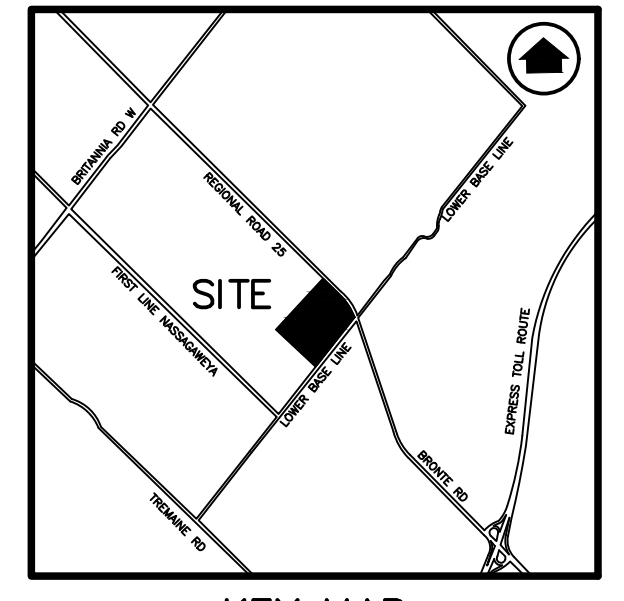
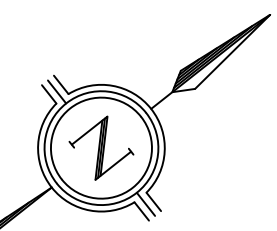
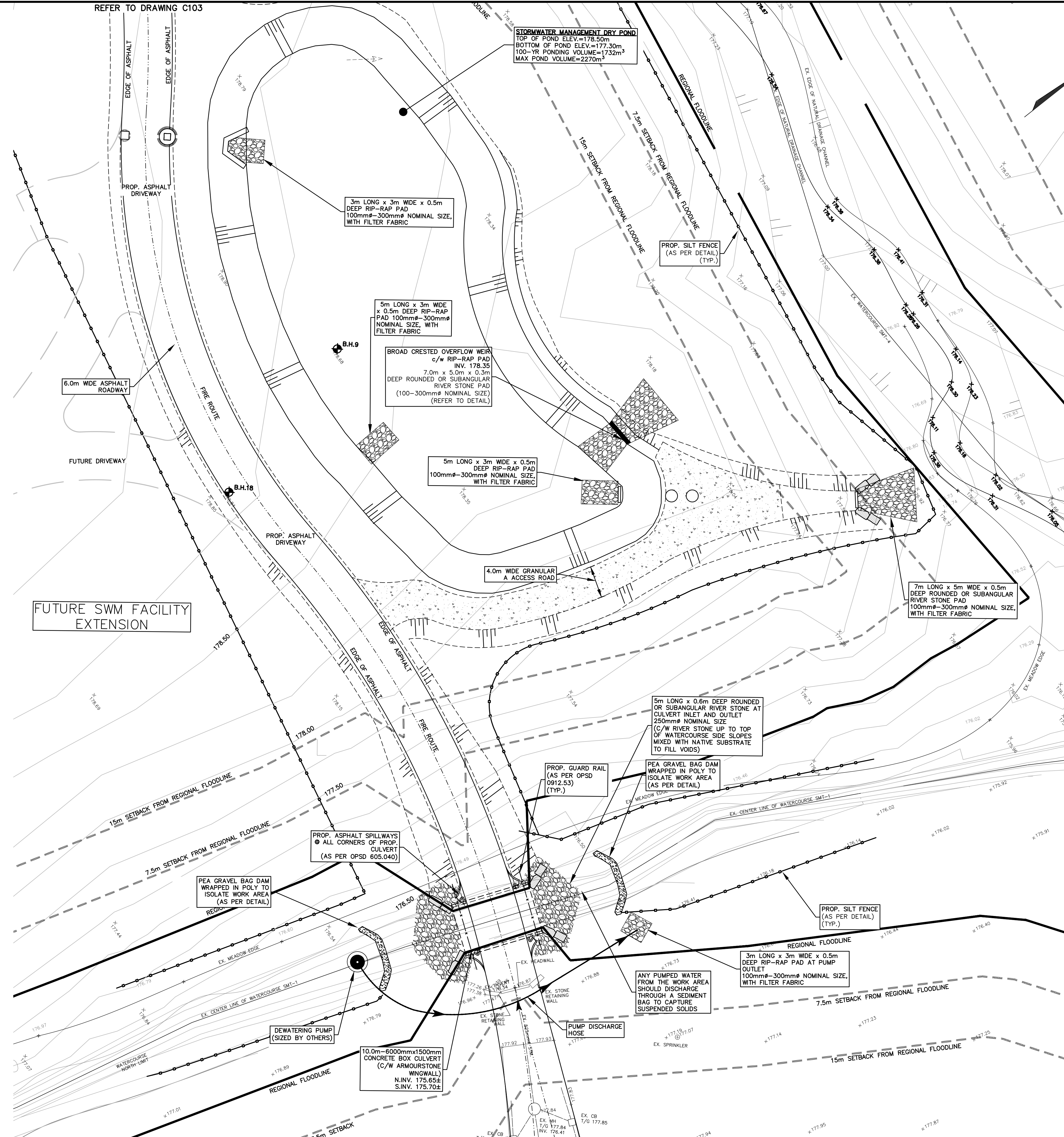
PROJECT No. 13084  
 DRAWING No. C107

**DAM AND PUMP FLOW DIVERSION**

1. INSTALL PEA GRAVEL DAMS THAT WILL ISOLATE THE PROPOSED WORK AREA.
2. WATER ON WEST SIDE OF CROSSING TO BE PUMPED DOWNSTREAM. ANY WATER FROM WITHIN THE EXCAVATION/WORK AREA TO BE PUMPED THROUGH FILTER BAGS. NUMBER AND SIZE OF PUMPS TO BE DETERMINED BY CONTRACTOR BASED ON FLOW CONDITIONS.
3. DAM AND PUMP SYSTEM TO REMAIN IN PLACE UNTIL THE PROPOSED CULVERT IS INSTALLED AND DOWNSTREAM AREA STABILIZED WITH RIP-RAP MAT.
4. PUMP HEADS MUST BE WRAPPED IN FILTER FABRIC, PLACED ON A BED OF RIP-RAP WITHIN THE WATERCOURSE, OR A PILE OF CLEARSTONE MAY BE PLACED OVER THE PUMP TO COMPLETELY COVER THE PUMP HEAD. PUMPS MUST NOT ENTRAIN FISH OR OTHER AQUATIC SPECIES.
5. PROVIDE SMALL RIP-RAP PADS AT PUMP OUTLET POINTS AND FILTER BAG OUTLETS. PLACE FILTER BAG ON VEGETATED AREA IF POSSIBLE.
6. REGULAR INSPECTION AND CLEANING OF SEDIMENT CONTROLS SUCH AS SEDIMENT REMOVAL AND/OR FILTER BAG REPLACEMENT REQUIRED. BACKUP PUMP TO BE KEPT ON SITE AT ALL TIMES.
7. WATER RELEASED TO CREEK BANK AREAS SHOULD BE MONITORED FOR SIGNS OF EROSION, AND IF PUMPING CONTINUES AFTER NORMAL WORKING HOURS, CONTRACTOR SHOULD ENSURE THAT SOMEONE IS ASSIGNED TO MONITOR THE SYSTEM TO ENSURE IT FUNCTIONS PROPERLY AT ALL TIMES.

**ACCESS AND STOCKPILING**

1. NO EQUIPMENT WILL BE PERMITTED TO ENTER ANY NATURAL AREAS BEYOND THE APPROVED WORK AREA.
2. ALL MATERIALS REQUIRING STOCKPILING (FILL, TOPSOIL, ETC.) WILL BE STABILIZED AND KEPT A SAFE DISTANCE (> 30M) FROM THE WATERCOURSE, OTHER DRAINAGE FEATURES AND THE TOP OF STEEP SLOPES.
3. ALL CONSTRUCTION EQUIPMENT, MATERIALS AND FUELING AREAS WILL BE LOCATED OUTSIDE OF THE REGIONAL STORM FLOODLINE AND WILL MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF 15M FROM THE CHANNEL BANKS.



**LEGEND:**

- ×209.00 EXISTING GROUND ELEVATION
- ×209.00EX PROPOSED ELEVATION TO MATCH EXISTING
- 2.0% PROPOSED DIRECTION OF SHEET FLOW
- EXISTING CATCHBASIN
- EXISTING STORM/SANITARY MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED STORM/SANITARY MANHOLE
- PROPOSED CURB STOP/GATE VALVE
- EXISTING DIRECTION OF DRAINAGE
- PROPOSED DIRECTION OF SWALE FLOW
- PROPOSED DRAINAGE SPLIT LINE
- [S.P.] PROPOSED SUMP PUMP
- PROPOSED DOWNSPOUT LOCATION
- PROPOSED SILTATION CONTROL FENCE
- PROPOSED CATCHBASIN SILT SACK
- PROPOSED OVERLAND FLOW ROUTE

**NOTES:**  
1. FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108

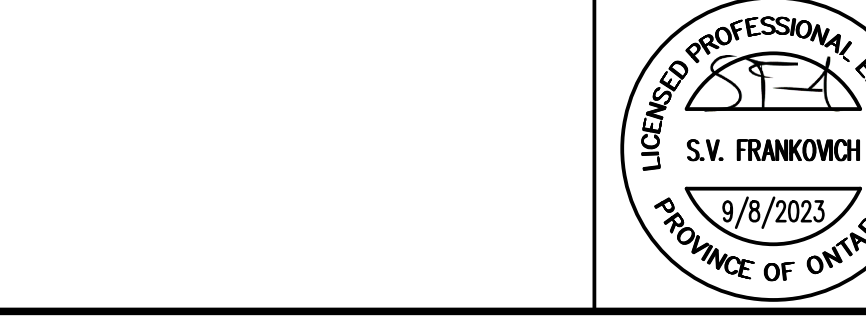
**BENCH MARK NOTE:**  
TOWN OF OAKVILLE BENCHMARK No. 162  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT No. 2156 LOWER BASE LINE.

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01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

SCALE 1:250

**APPROVALS**



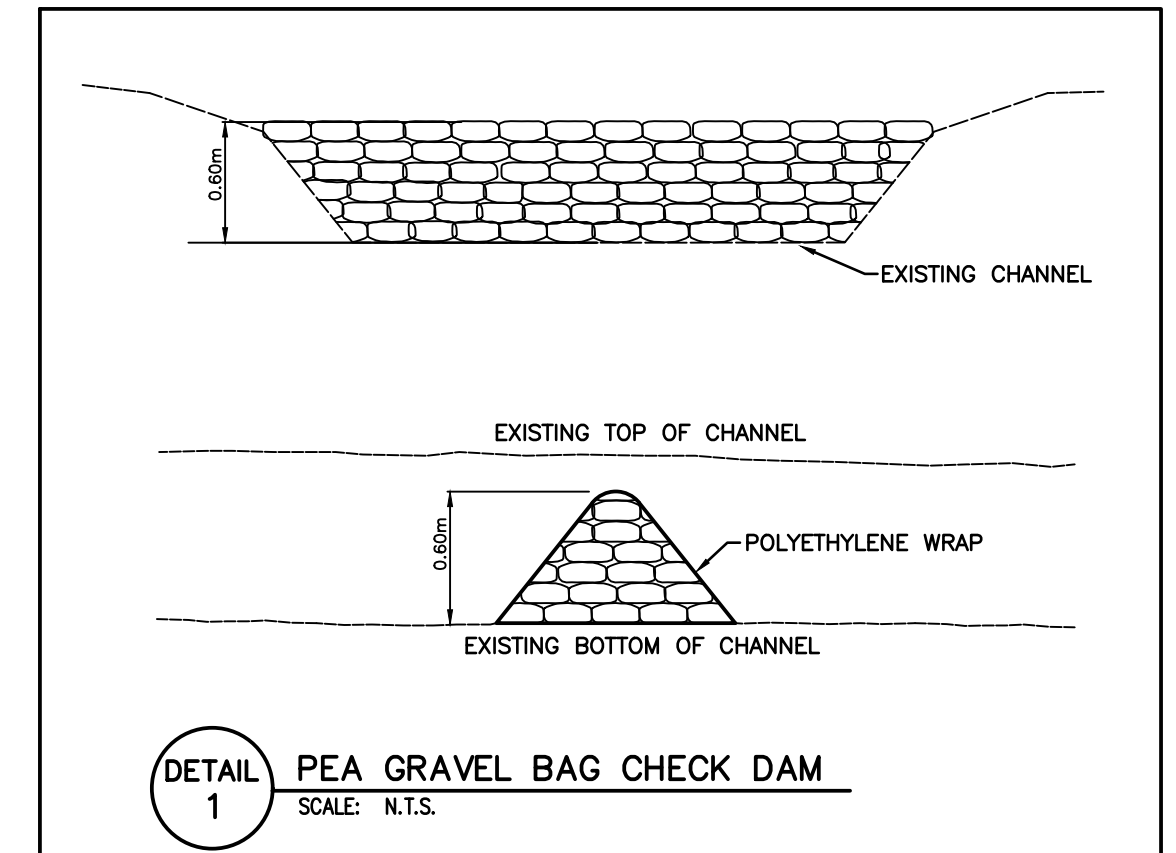
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CIENT  
**THE CATHOLIC CEMETERIES OF THE  
DIOCESE OF HAMILTON**  
600 SPRING GARDENS ROAD  
BURLINGTON, ONTARIO

PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY  
SPA FILE # SP 19-21**  
2523 LOWER BASE LINE  
MILTON, ONTARIO

TITLE  
**DEWATERING AND SEDIMENT  
& EROSION CONTROL PLAN**

PROJECT No. 13084 DRAWING No. C108



**NOTES TO CONTRACTOR:**

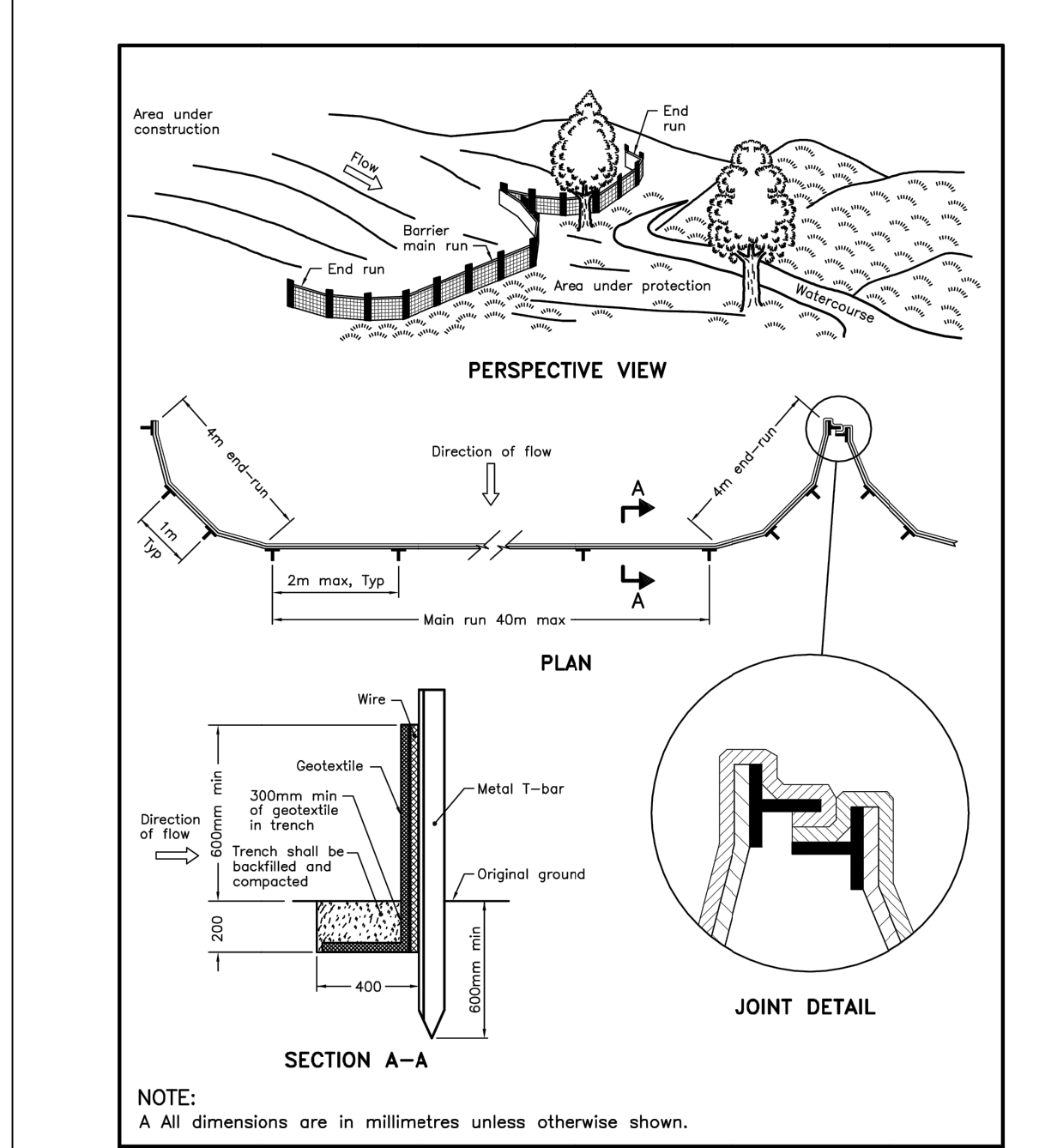
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**GENERAL NOTES:**

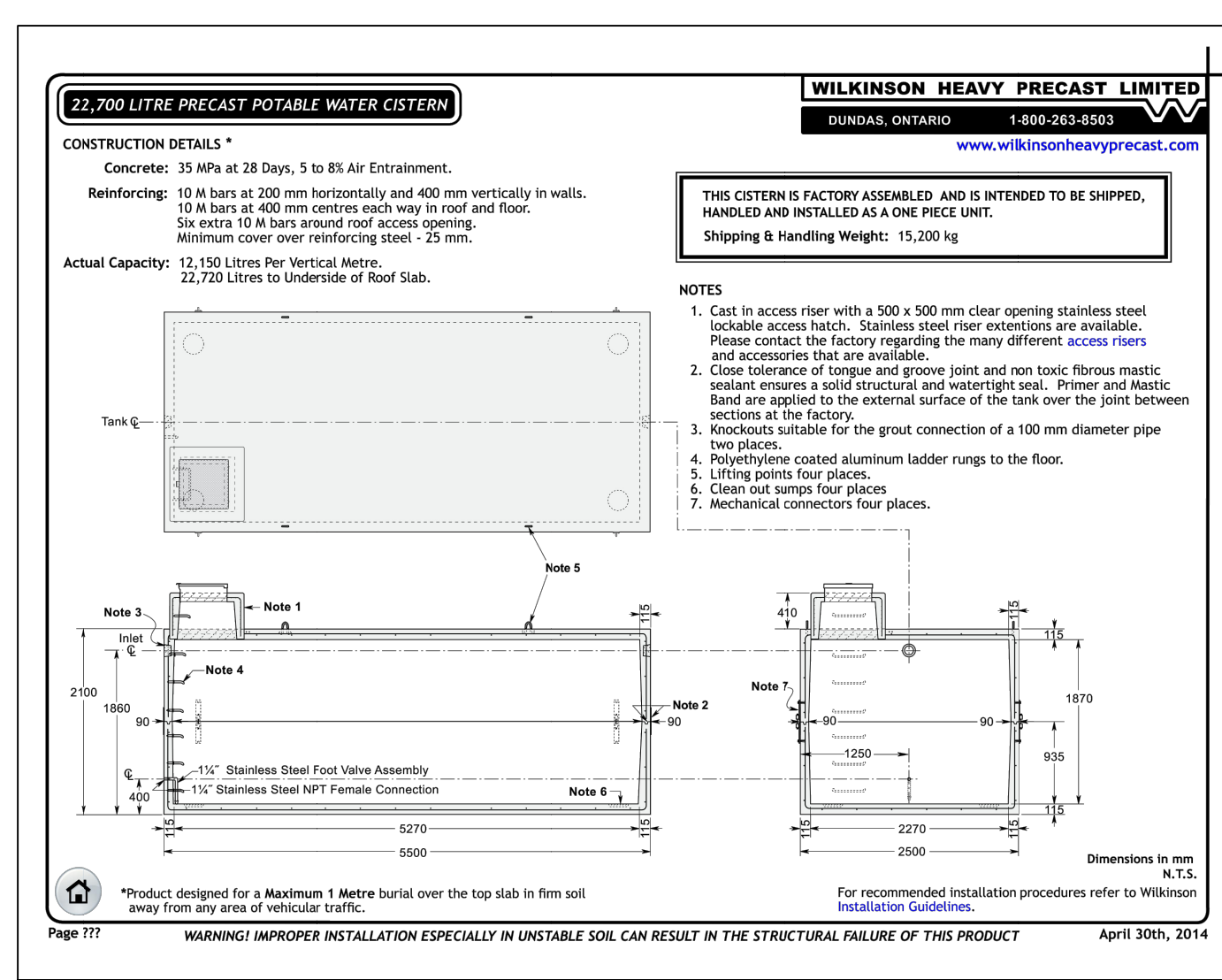
- CONSTRUCTION OF SEWERS, AND RELATED APPURTENANCES SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS OF THE TOWN OF MILTON, THE REGIONAL MUNICIPALITY OF HALTON AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD). THE TOWN AND THE REGIONAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE OPSD DRAWINGS.
- ONTARIO PROVINCIAL STANDARD DRAWINGS TO BE READ IN CONJUNCTION WITH THE REGION OF HALTON REVISIONS.
- INFORMATION REGARDING ANY EXISTING SERVICES AND/OR UTILITIES SHOWN ON THE APPROVED SET OF CONSTRUCTION DRAWINGS IS FURNISHED AS THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE SEES FIT WITH THE UNDERSTANDING THAT THE OWNER AND HIS AGENTS DISCLAIM ALL RESPONSIBILITY FOR ITS ACCURACY AND/OR SUFFICIENCY. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY LOCATES PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS ARE IN METRES UNLESS INDICATED OTHERWISE AND SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- RELOCATION OF EXISTING SERVICES AND/OR UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TOWN STANDARDS AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- FOR ALL SEWERS AND WATERMAIN IN FILL SECTIONS, THE COMPACTION SHALL BE VERIFIED PRIOR TO LAYING OF PIPE.
- NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE REGIONAL ENGINEER, TOWN OF MILTON OR THE ENGINEER.
- NO BLASTING WILL BE PERMITTED.
- ALL EXCAVATIONS TO BE BACKFILLED WITH SELECT NATIVE MATERIAL, APPROVED BY THE ENGINEER, TO 95% SPD.
- PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE, SNOW FENCE IS TO BE INSTALLED ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS AS DETERMINED BY THE MANAGER, DEVELOPMENT ENGINEERING, AND THE SNOW FENCE SHALL REMAIN IN PLACE UNTIL SUCH TIME AS OTHERWISE DIRECTED BY THE MANAGER, DEVELOPMENT ENGINEERING.
- SILT CONTROLS ARE TO BE IN PLACE PRIOR TO THE START OF SITE WORKS, AND BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING SILT CONTROL DEVICES AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
- APPROVED FILL, FREE OF DELETERIOUS AND ORGANIC MATERIAL AND BOULDERS SHALL BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% THAN THE STANDARD PROCTOR DENSITY. AFTER COMPACTION, SOIL DENSITY TESTS SHALL BE CONDUCTED TO ENSURE ADEQUATE COMPACTION AND STABILITY OF THE FILL AND TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- ALL FILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY AND A SUFFICIENT NUMBER OF TESTS ARE TO BE UNDERTAKEN TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING SERVICES.
- ASPHALTIC CONCRETE TO BE COMPACTED TO 97% MARSHALL DENSITY.
- PRIOR TO COMMENCEMENT OF ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE, THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE ENGINEERING SERVICES DEPARTMENT, TOWN OF MILTON, FOR THE PURPOSES OF VEHICULAR ACCESS TO THE PROPERTY, (ENTRANCE PERMIT), AND FOR SERVING EXCAVATIONS WITHIN THE MUNICIPAL ROAD ALLOWANCE, (ROAD CUT PERMIT).
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S BONDED CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS NORMALLY REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS, BUT NOT LIMITED TO THE FOLLOWING:
  - REGIONAL WATER & SEWER SERVICES PERMITS - TOWN OF MILTON ROAD CUT PERMITS
  - REGIONAL EXCAVATION PERMIT - RELOCATION OF SERVICES
  - REGIONAL ENTRANCE PERMIT - ENCROACHMENT AGREEMENTS
  - COMMITTEE OF ADJUSTMENT - APPROACH APPROVAL PERMITS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE LOCAL MUNICIPALITY AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- TREE PROTECTION PROCEDURES TO BE IMPLEMENTED IN ACCORDANCE WITH TOWN OF MILTON STANDARDS.
- TOPOGRAPHICAL SURVEY INFORMATION PROVIDED BY MACKAY, MACKAY & PETERS LIMITED
- WASTEWATER MAINS ARE NOT PERMITTED TO ACCEPT ANY STORM DRAINAGE, INCLUDE FOUNDATION, ROOF DRAINAGE AND WEeping TILE CONNECTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANDREL TESTING AND FOR HIRING A SANITARY SEWER AIR TESTING CONTRACTOR, AS APPROVED BY HALTON REGION, THE ENGINEERING CONSULTANT IS TO WITNESS THESE TESTS ALONG WITH THE REGION'S CONSTRUCTION TECHNICIAN. COPIES OF THE RESULTS ARE TO BE FORWARDED TO HALTON REGION. PLUGS MUST BE INSTALLED IN ALL DOWNSTREAM MANHOLES UNTIL AFTER ALL TESTING, FLUSHING AND TV INSPECTION IS COMPLETE.
- THE ENGINEERING CONSULTANT WILL COORDINATE THE "CLOSED CIRCUIT TELEVISION INSPECTION" WITH THE REGION'S CONSTRUCTION SERVICES SECTION, CONSTRUCTION TECHNICIAN.
- PARKING STALL DELINEATION SHALL BE WITH 100mm WIDE WHITE OR YELLOW MARKINGS.

- WATERMANS:**
- FLEXIBLE WATERMAIN PIPE UP TO 300mm DIAMETER TO BE P.V.C. DR-18 AND CONFORM TO A.W.W.A. C-900 WITH MECHANICAL JOINTS AS PER A.W.W.A. C-110, AND TO BE INSTALLED WITH A 10 GAUGE TRACER WIRE.
  - FLEXIBLE PIPE BEDDING TO BE OPSD 802.010 WITH COMPACTED GRANULAR B MATERIAL.
  - MINIMUM COVER TO BE 1.7m TO TOP OF PIPE.
  - DEFLECTION AT JOINTS NOT TO EXCEED 2.5 DEGREES AND SHALL BE EQUAL AT ALL JOINTS.
  - ALL FITTINGS TO HAVE MECHANICAL RESTRAINTS THAT MEET UNI-B-13-92.
  - TAPPING AT EXISTING WATERMANS SHALL BE UNDERTAKEN IN ACCORDANCE WITH REGION OF HALTON REQUIREMENTS.
  - ALL WATER CUSTOMERS SUPPLIED BY A WATERMAIN TO BE SHUT DOWN SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF THE SHUT DOWN AS PER REGION OF HALTON SPECIFICATIONS. NOTIFICATION SHALL TAKE PLACE UNDER THE ENGINEER'S DIRECTION.
  - MINIMUM HORIZONTAL SEPERATION BETWEEN WATERMANS (INCLUDING PRIVATE SERVICES) AND STORM AND SANITARY SEWERS SHALL BE 2.5m.
  - WATERMANS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 150mm OVER AND 500mm UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
  - WATER SERVICE CONNECTIONS (50mm DIA. TYPE 'K' SOFT COPPER) AS PER OPSD 1104.02, AND HALTON REGION STARDARD RH 420.04.

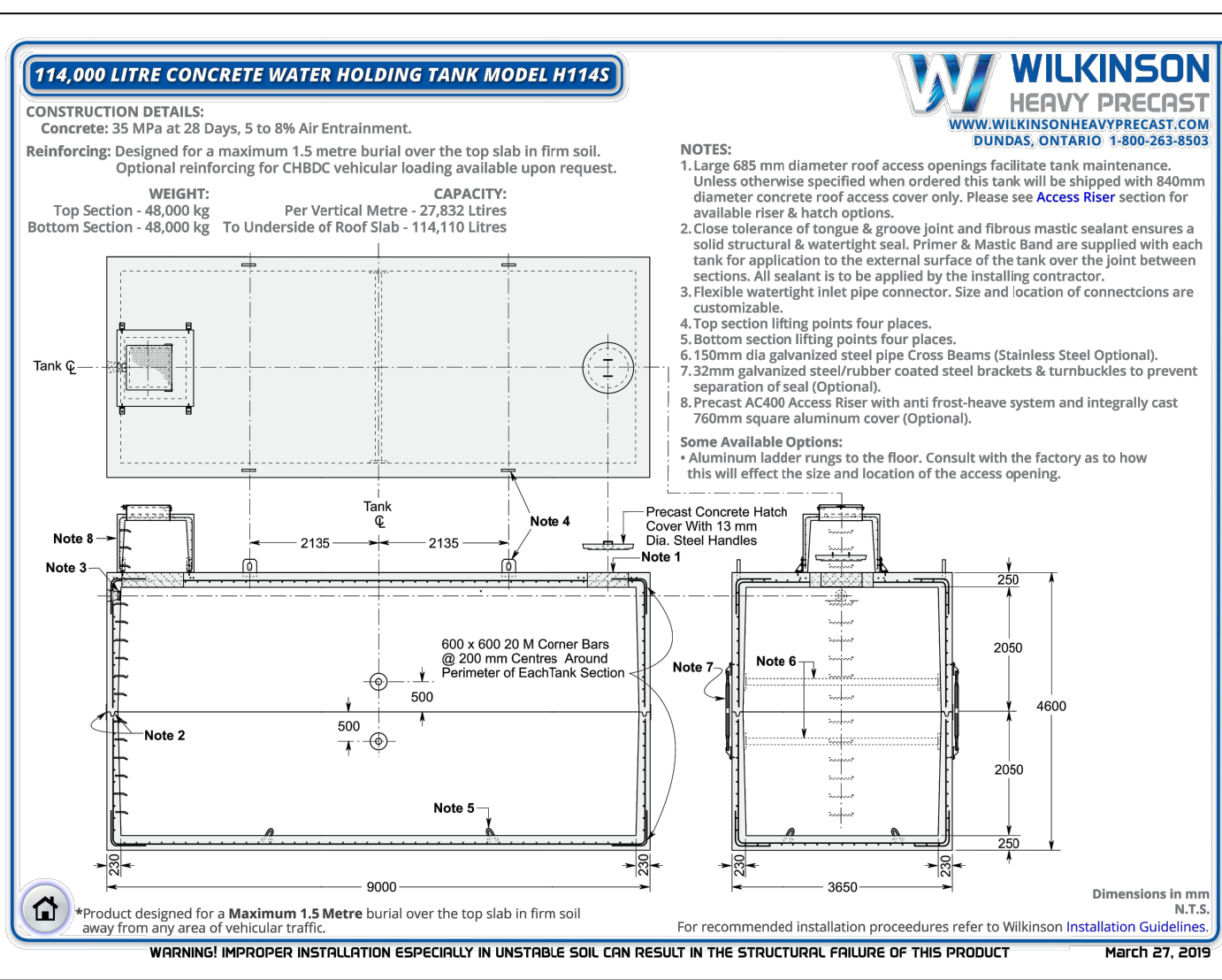
- STORM SEWERS:**
- STORM SEWER AND SERVICES TO HAVE A MINIMUM 1.2m COVER.
  - CATCH BASINS SHALL BE IN ACCORDANCE WITH OPSD 705.010 WITH 250mm DIA. LEAD. FRAMES AND COVERS TO BE OPSD 400.010. DOUBLE CATCH BASINS SHALL BE IN ACCORDANCE WITH OPSD 705.020 WITH 300mm DIA. LEAD. LEADS TO BE PVC SDR 35. 100mm DIA. SUBDRAIN TO BE INSTALLED AT EACH CATCH BASIN AND CATCH BASIN/MANHOLE, FOR A MINIMUM OF 3.0m IN EACH DIRECTION. SEE DETAIL THIS DRAWING.
  - FILTER FABRIC TO BE USED AT ALL LEADS IN CATCH BASINS (TERRAFENCE OR APPROVED EQUIVALENT)
  - ALL TRENCH EXCAVATIONS ARE TO BE BACKFILLED WITH SELECT NATIVE MATERIAL PLACED IN MAXIMUM 200mm LIFT THICKNESSES WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% SPD, UNLESS OTHERWISE SPECIFIED.
  - PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER O.P.S.D.-802.030 OR 802.033. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER O.P.S.D.-802.010 OR 802.013. BEDDING MATERIAL AND COVER MATERIAL TO BE GRAN. "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% S.P.D.
  - GRANULAR BACKFILL AROUND ALL STORM MANHOLES SHALL BE COMPACTED BY MECHANICAL MEANS.
  - STORM SEWERS, 300mm TO 450mm SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR35 ASTM-D3034 OR RIBBED P.V.C. SEWER PIPE CSA B182.4-M90 ASTM-F794 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.
  - ALL STORM SEWER TEES TO BE PRE-MANUFACTURED.
  - IRON STEPS AT 300mm CENTRES AS PER O.P.S.D.-1001.010
  - STORM MH LIDS TO BE AS PER O.P.S.D.-401.010 - TYPE 'A'.



HEAVY-DUTY WIRE-BACKED SILT FENCE BARRIER  
OPSD 219.131



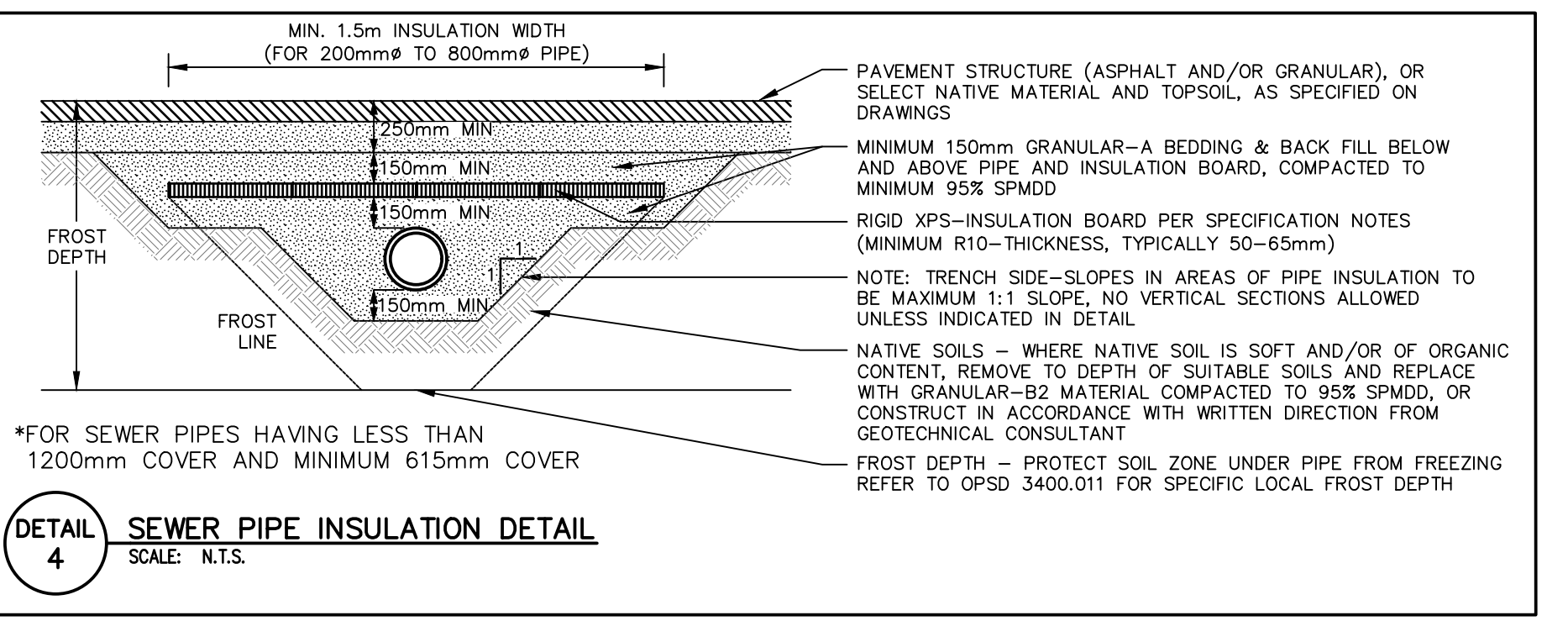
22,700 LITRE PRECAST POTABLE WATER CISTERN  
WILKINSON HEAVY PRECAST  
DUNDAS, ONTARIO 1-800-263-8583  
www.wilkinsonheavyprecast.com



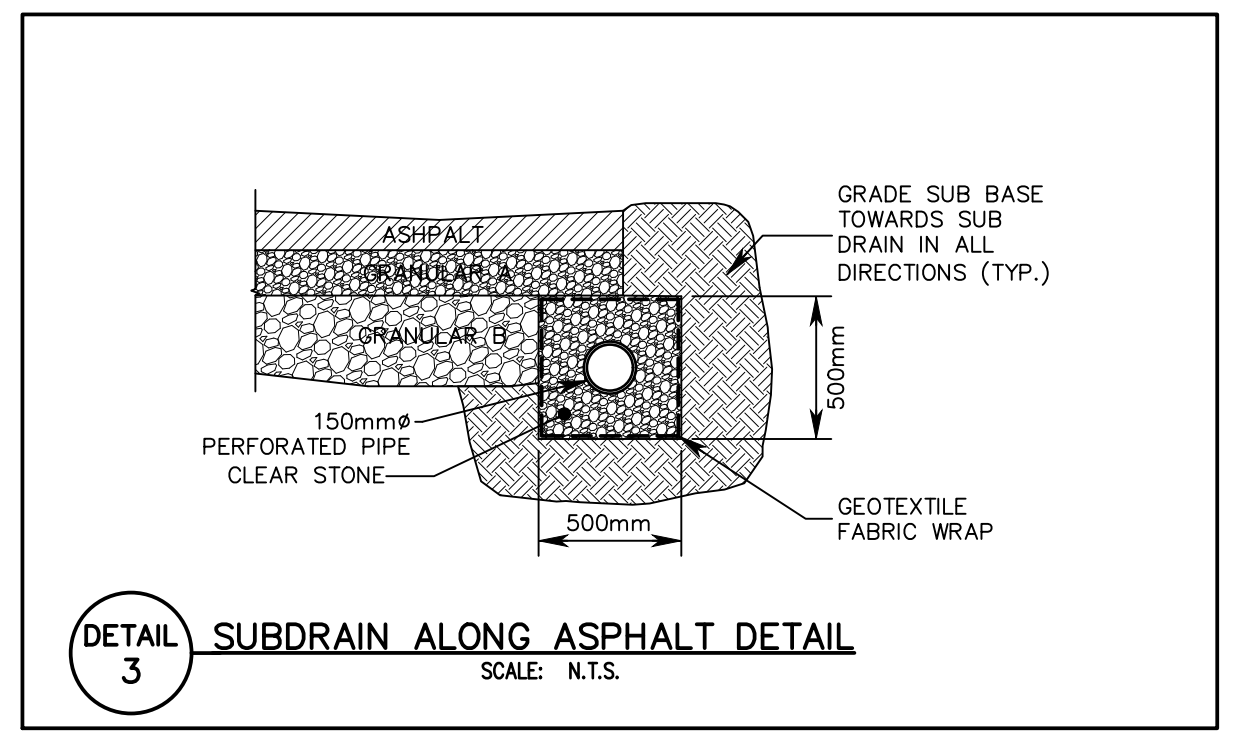
114,000 LITRE CONCRETE WATER HOLDING TANK MODEL H14S  
WILKINSON HEAVY PRECAST  
DUNDAS, ONTARIO 1-800-263-8583  
www.wilkinsonheavyprecast.com

**NOTES TO CONTRACTOR:**

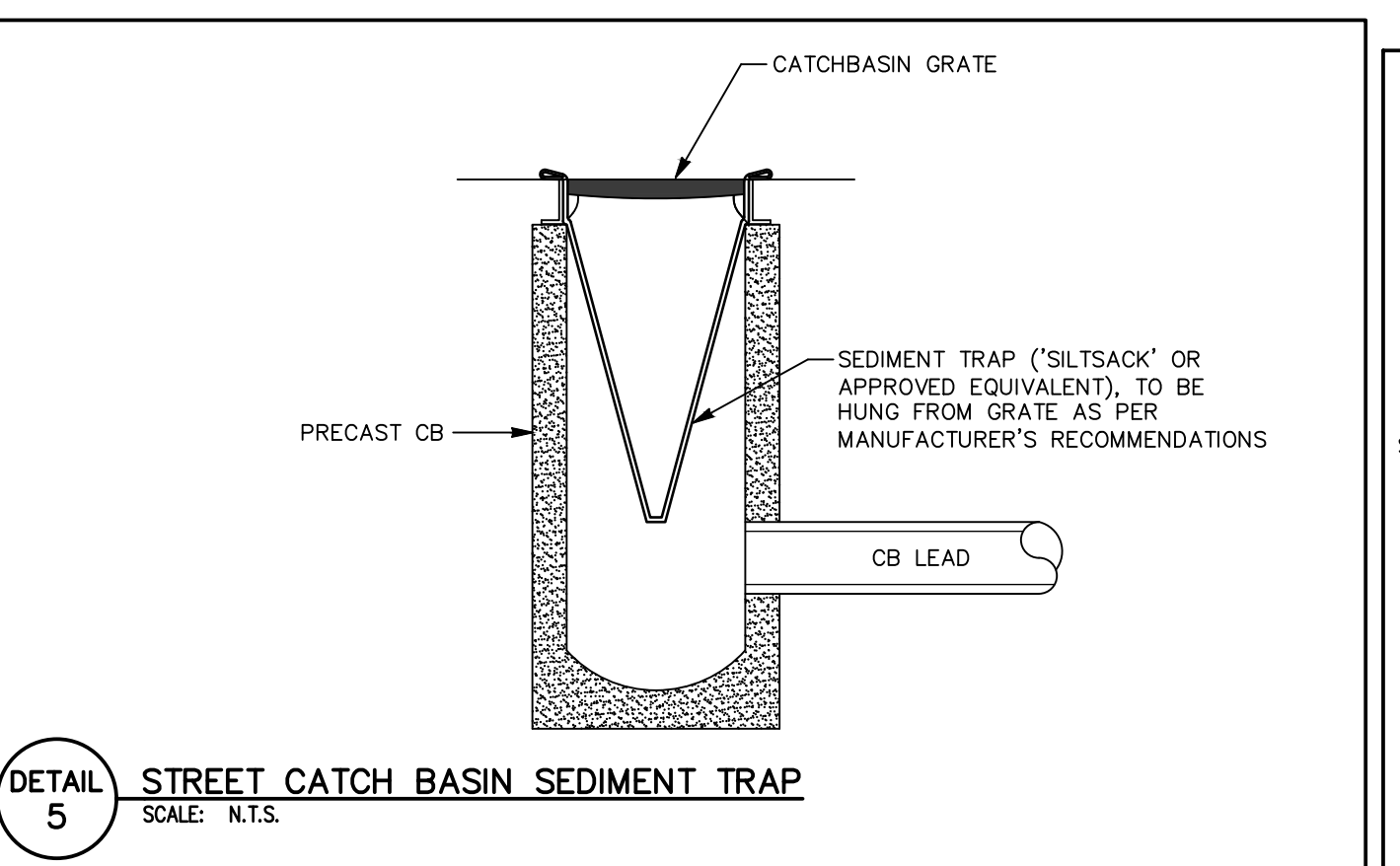
- INSPECTION**  
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.



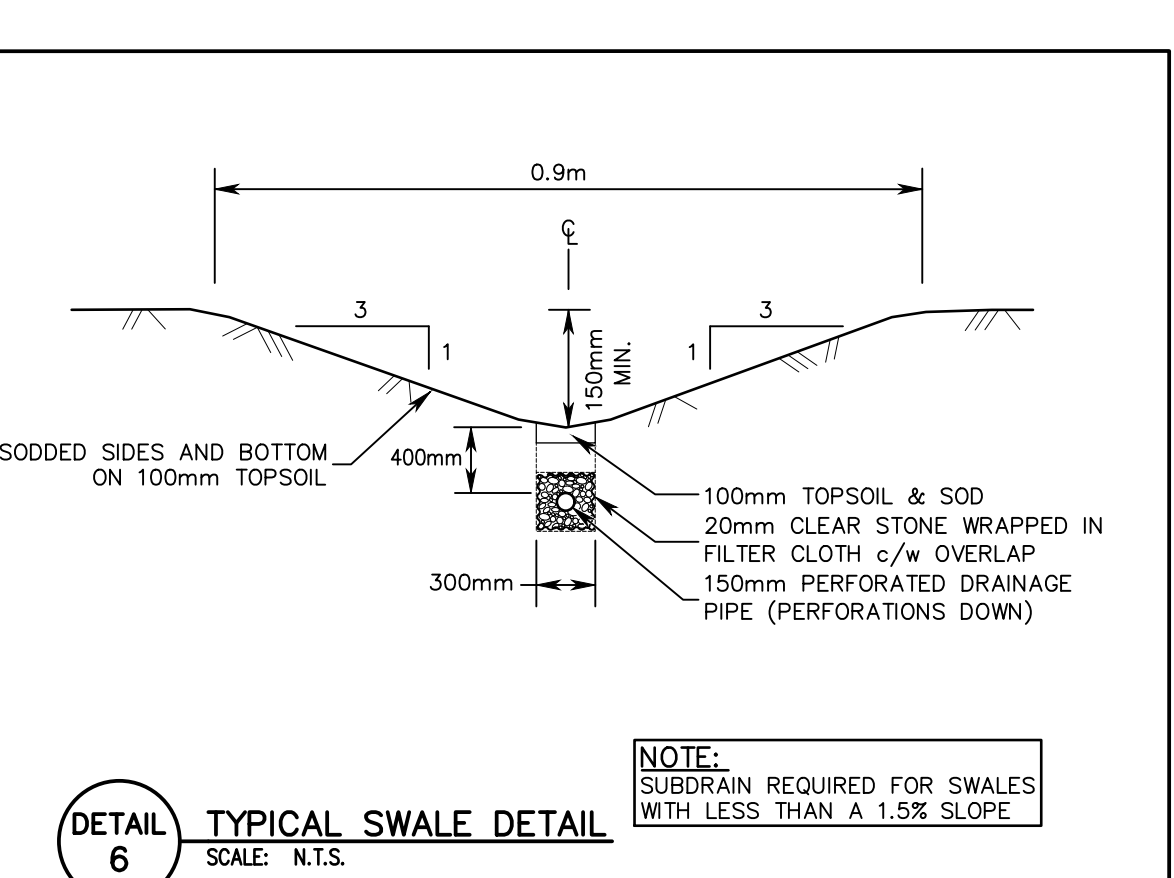
DETAIL 4 SEWER PIPE INSULATION DETAIL  
SCALE: N.T.S.



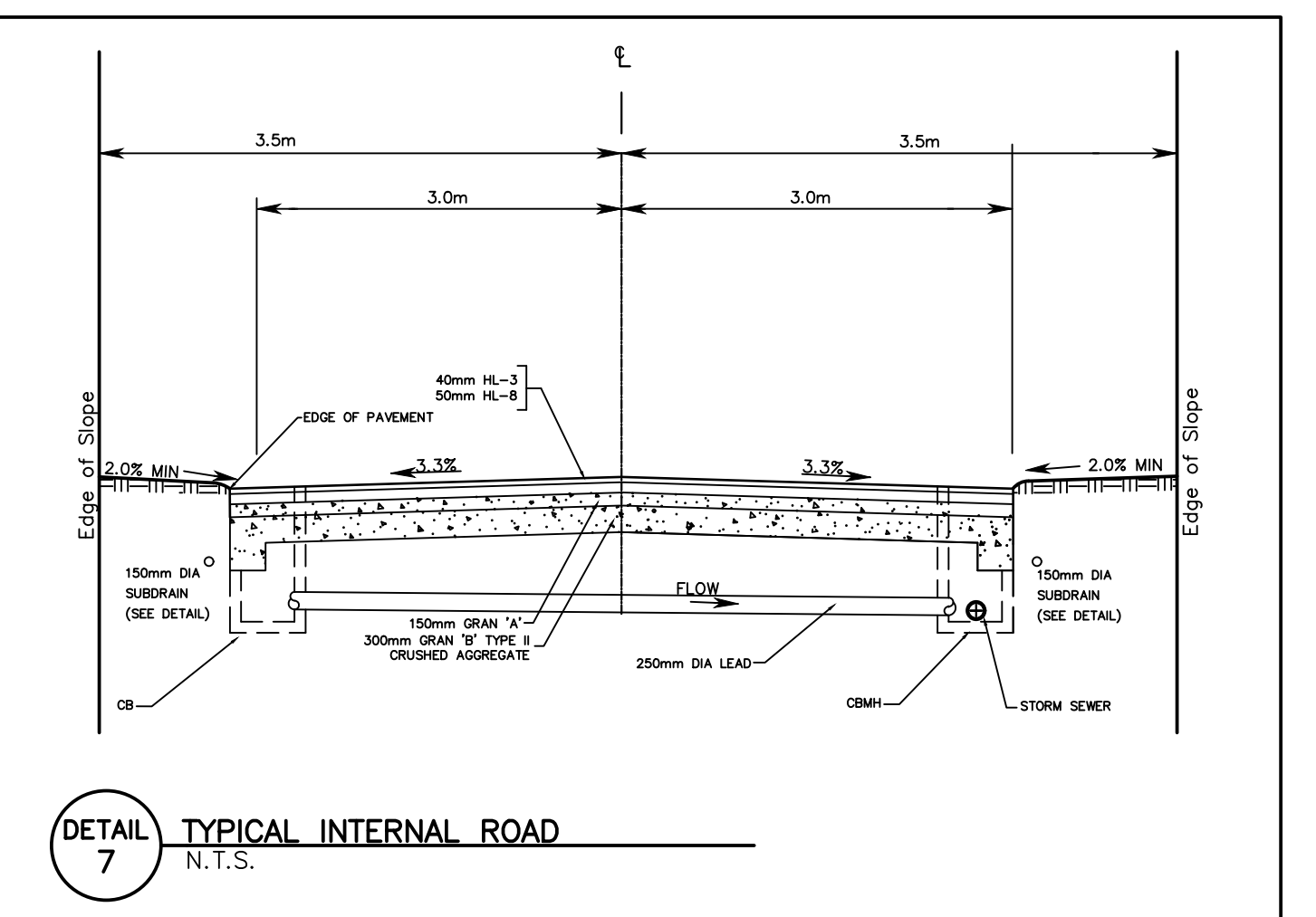
DETAIL 3 SUBDRAIN ALONG ASPHALT DETAIL  
SCALE: N.T.S.



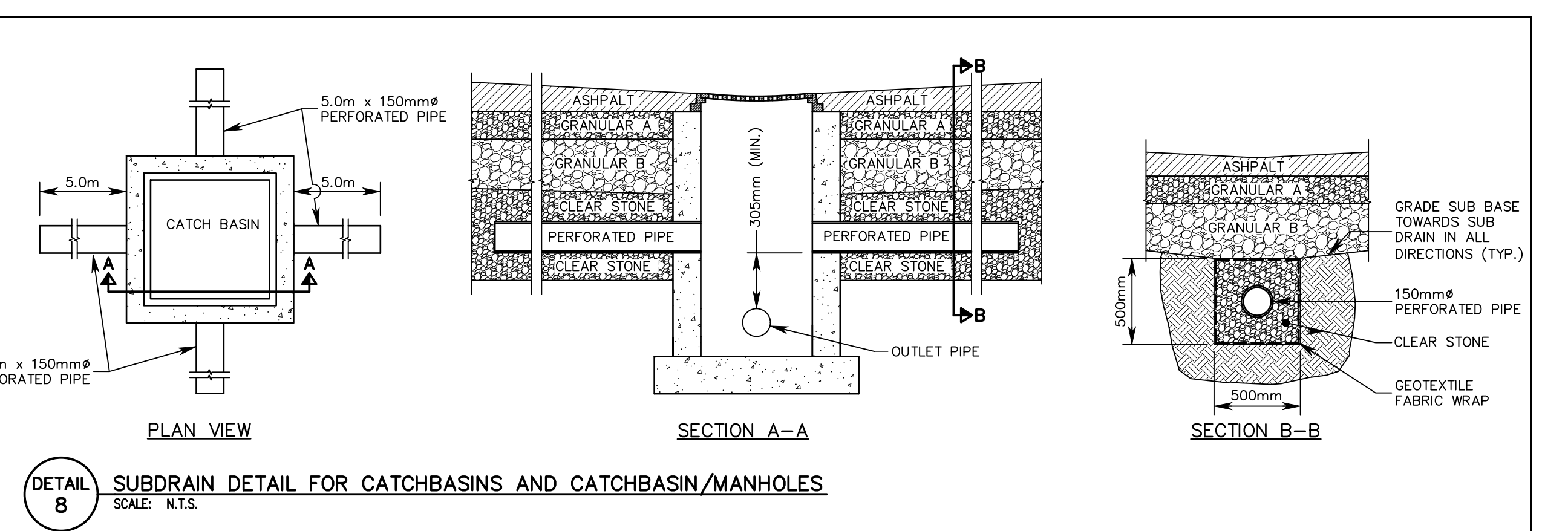
DETAIL 5 STREET CATCH BASIN SEDIMENT TRAP  
SCALE: N.T.S.



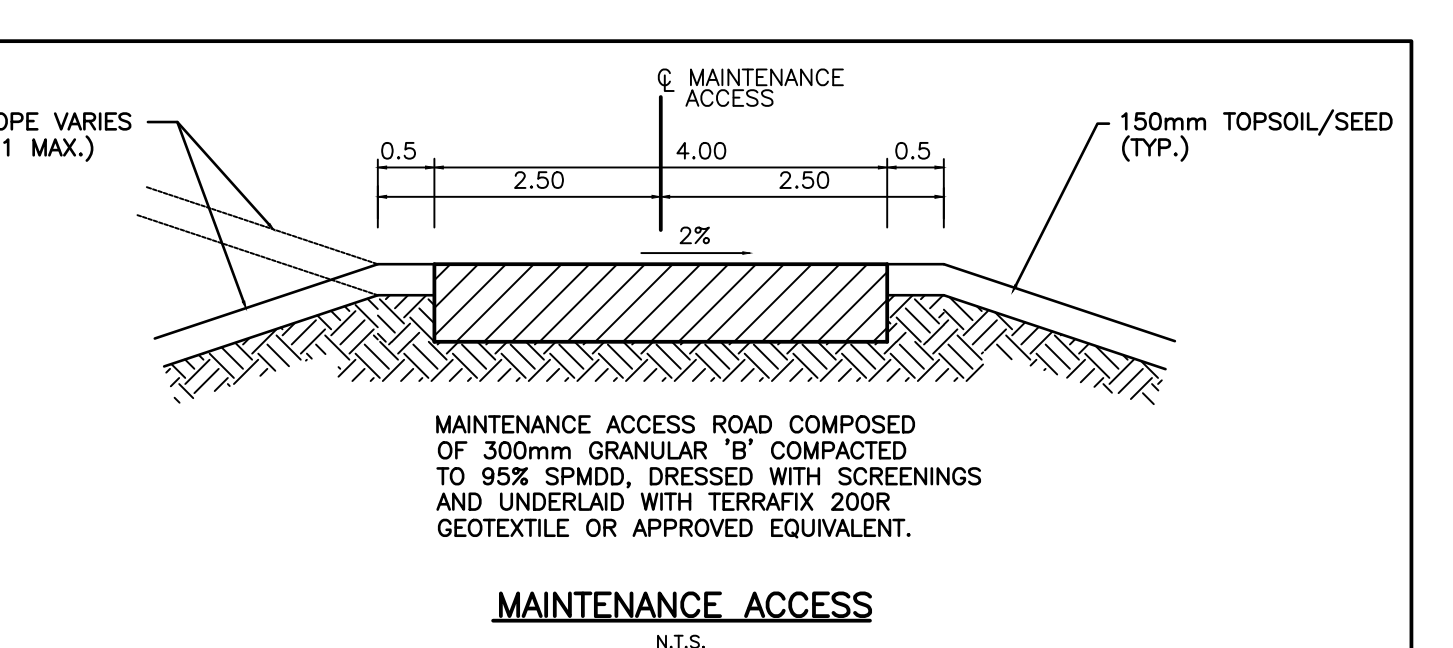
DETAIL 6 TYPICAL SWALE DETAIL  
SCALE: N.T.S.



DETAIL 7 TYPICAL INTERNAL ROAD  
SCALE: N.T.S.



DETAIL 8 SUBDRAIN DETAIL FOR CATCHBASINS AND CATCHBASIN/MANHOLES  
SCALE: N.T.S.



MAINTENANCE ACCESS  
SCALE: N.T.S.

**NOTES:**

- FOR GENERAL NOTES AND DETAILS SEE DWG. NO. C108

**TOWN OF OAKVILLE BENCHMARK NO. 162**  
WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT NO. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
06	MAY 26/23	SJD	ISSUED FOR TENDER
05	JAN/23	SJD	REVISED AS PER CONSERVATION/TOWN COMMENTS
04	DEC/22	YM	REVISED AS PER CONSERVATION/TOWN COMMENTS
03	JULY/22	SJD	REVISED AS PER CONSERVATION/TOWN COMMENTS
02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	SJD	CHK'D	SVF	DATE
DRAWN	SJD	CHK'D	SVF	APRIL, 2021

**APPROVALS**

STAMP  
LICENSED PROFESSIONAL ENGINEER  
S.V. FRANKOVICH  
9/8/2023  
PROVINCE OF ONTARIO

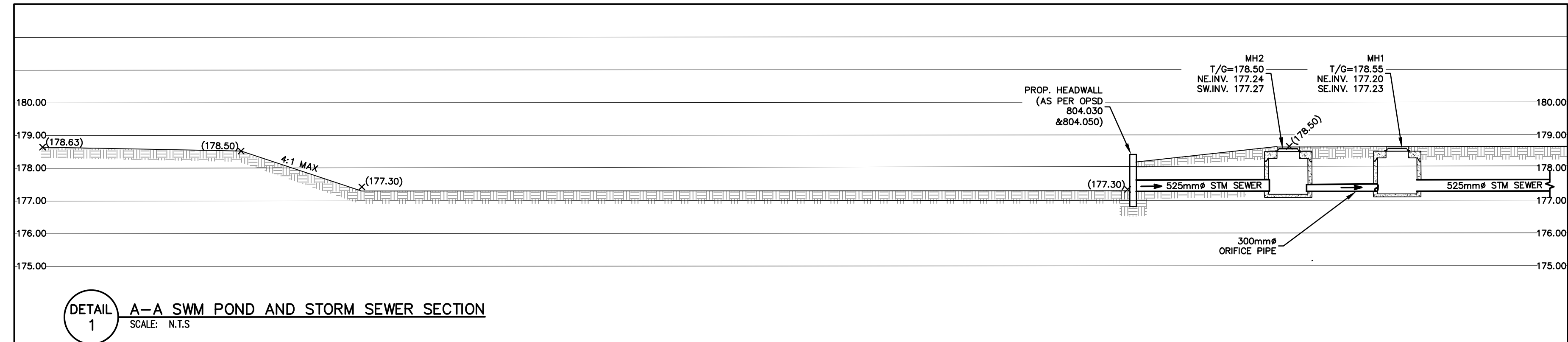
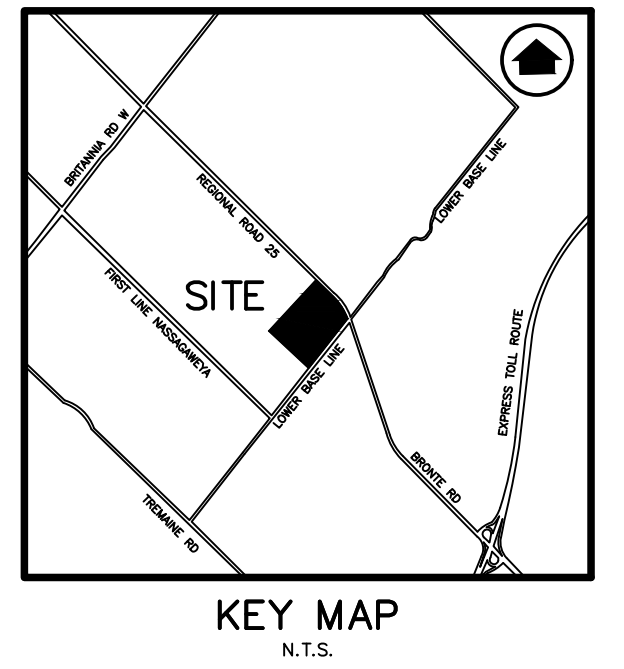
S. LLEWELLYN & ASSOCIATES LIMITED  
CONSULTING ENGINEERS  
Tel. (905) 631-6978  
www.sla.on.ca  
email: info@sla.on.ca  
3228 South Service Road, Suite #105 East Wing, Burlington, Ont., L7N 3H8

CLIENT  
**THE CATHOLIC CEMETERIES OF THE DIOCESE OF HAMILTON**  
600 SPRING GARDENS ROAD  
BURLINGTON, ONTARIO

PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY**  
SPA FILE # SP 19-21  
2523 LOWER BASE LINE  
MILTON, ONTARIO

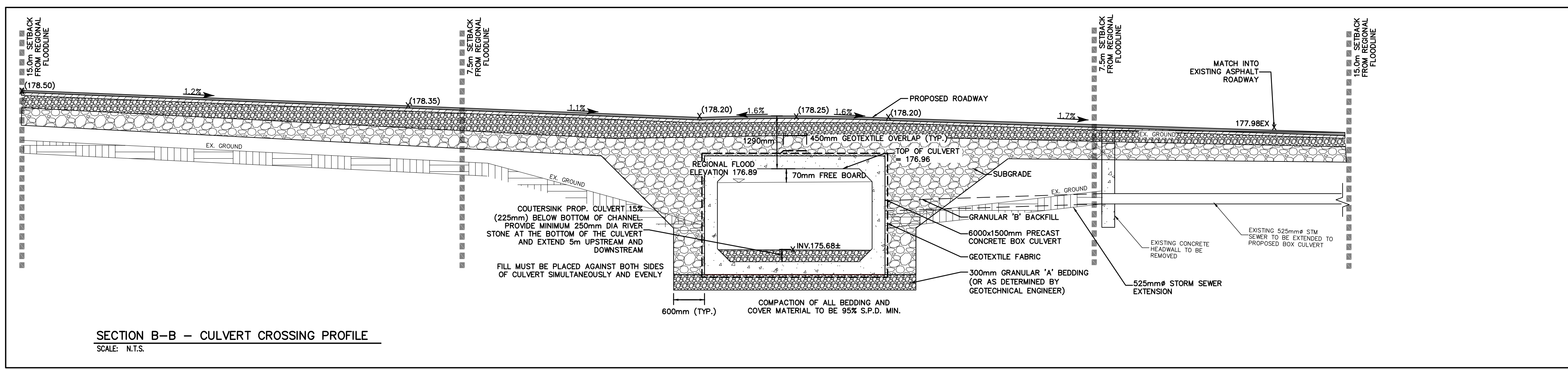
TITLE  
**NOTES AND DETAILS PLAN**

PROJECT No. 13084 DRAWING No. C109



**NOTES TO CONTRACTOR:**

- INSPECTION**  
 CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.2.2, GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.
- CONFIRMATION OF EXISTING INVERTS**  
 72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATES, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.



**NOTES:**

- FOR GENERAL NOTES AND DETAILS SEE DWG. No. C108

**BENCH MARK NOTE:**  
 TOWN OF OAKVILLE BENCHMARK No. 162  
 WESTERLY END OF WEST CONCRETE GARAGE DOOR SILL AT No. 2156 LOWER BASE LINE.

NO.	DATE	BY	REVISIONS
08	SEPT 8/23	SJD	ADDITIONAL CISTERN DETAILS
07	MAY 30/23	SJD	ISSUED FOR TENDER
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02	JUNE/21	SJD	REVISED AS PER SMT-1 CULVERT ANALYSIS
01	APRIL/21	SJD	PHASE 2 SITE PLAN

DESIGN	CHK'D	DATE
SJD	SVF	APRIL, 2021

SCALE

**APPROVALS**



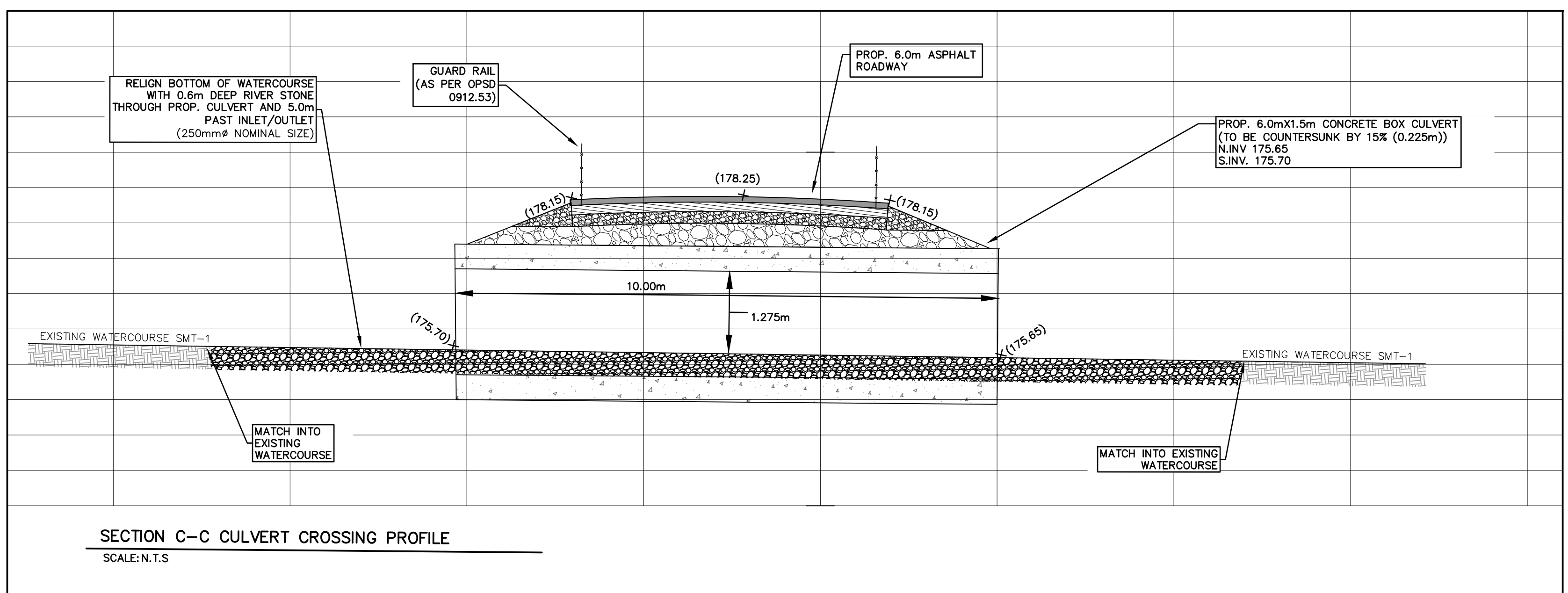
**S. LLEWELLYN & ASSOCIATES LIMITED**  
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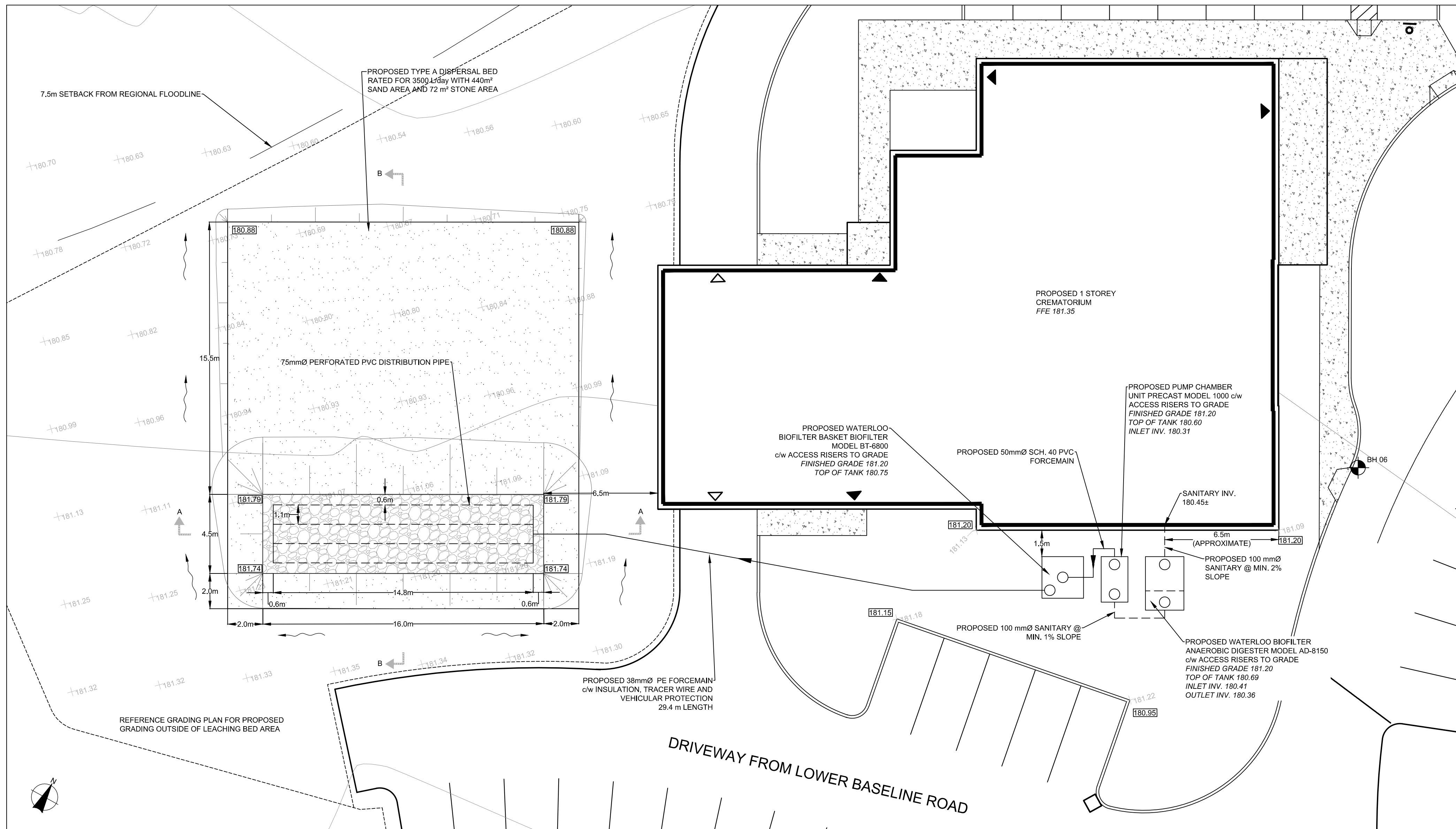
CLIENT  
**THE CATHOLIC CEMETERIES OF THE DIOCESE OF HAMILTON**  
 600 SPRING GARDENS ROAD  
 BURLINGTON, ONTARIO

PROJECT NAME  
**HOLY FAMILY CATHOLIC CEMETERY**  
 SPA FILE # SP 19-21  
 2523 LOWER BASE LINE  
 MILTON, ONTARIO

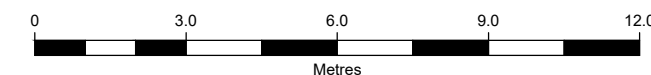
TITLE  
**CROSS SECTION PLAN**

PROJECT No. 13084 DRAWING No. C110





SEWAGE SYSTEM SITE PLAN  
1:150

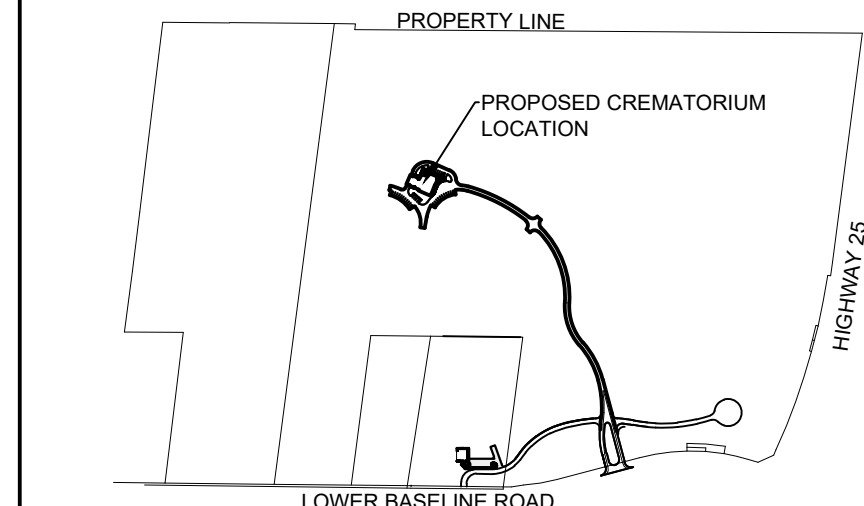


**DESIGN NOTES**

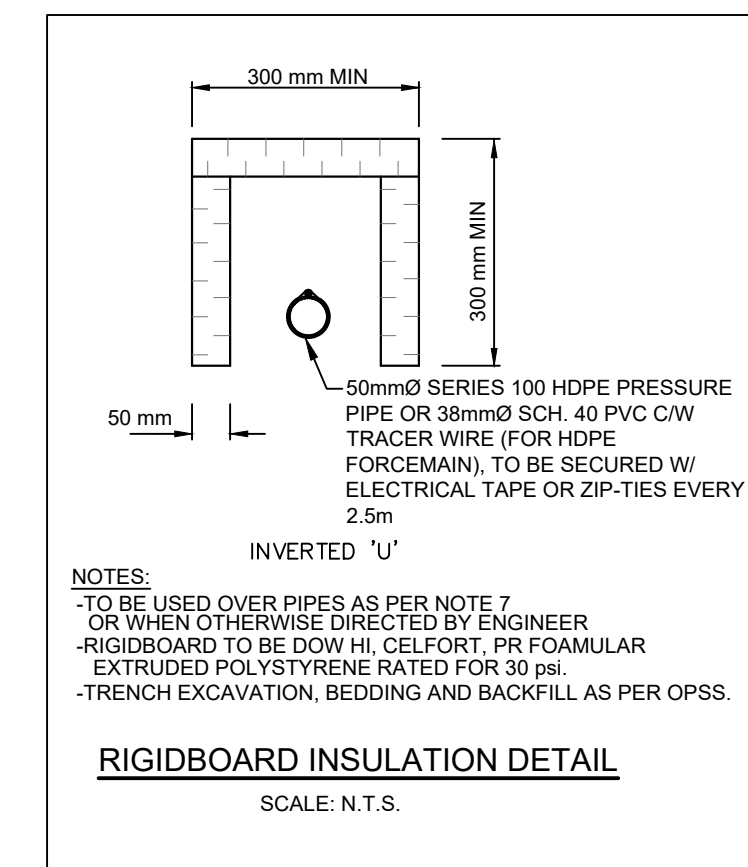
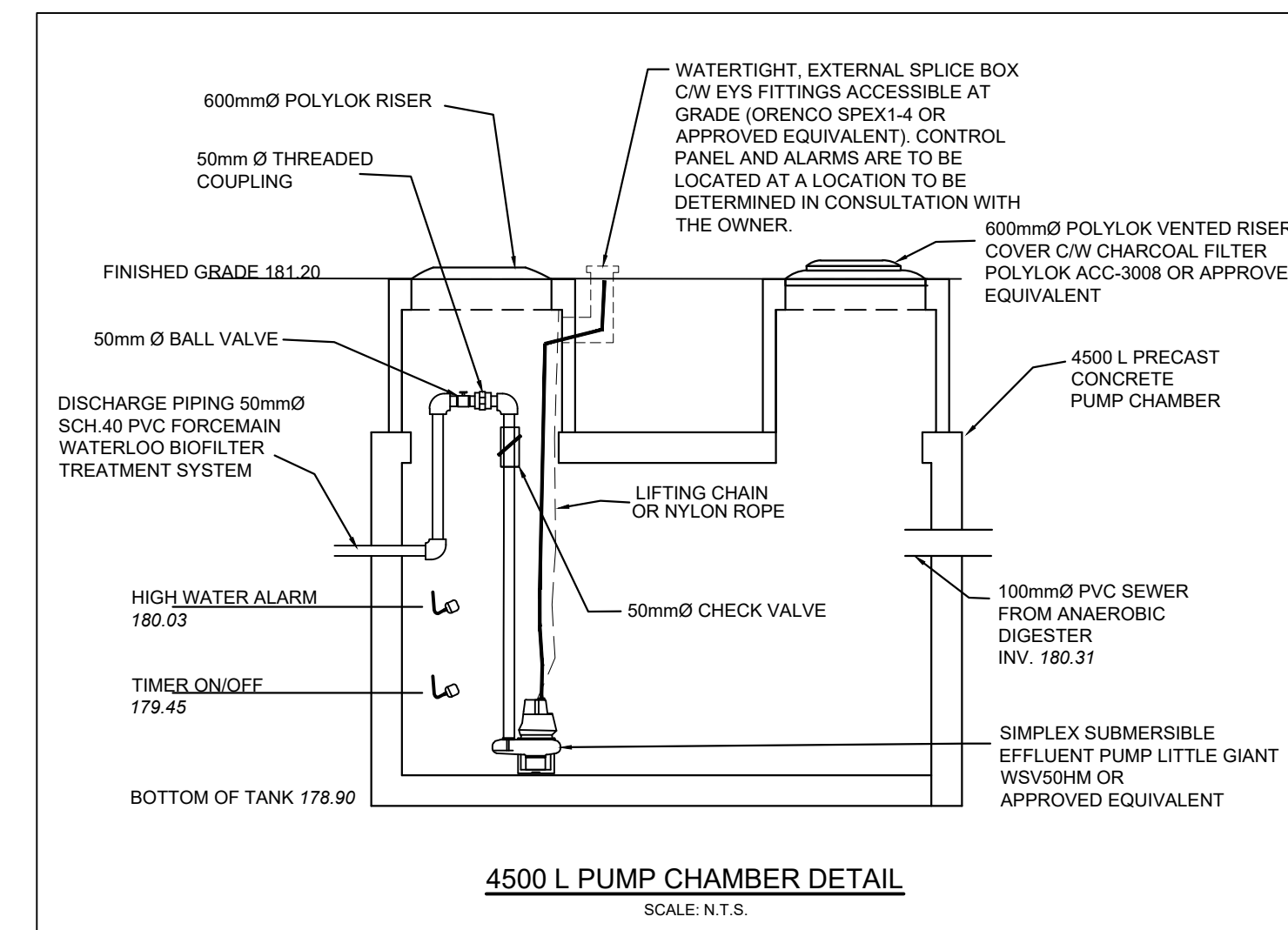
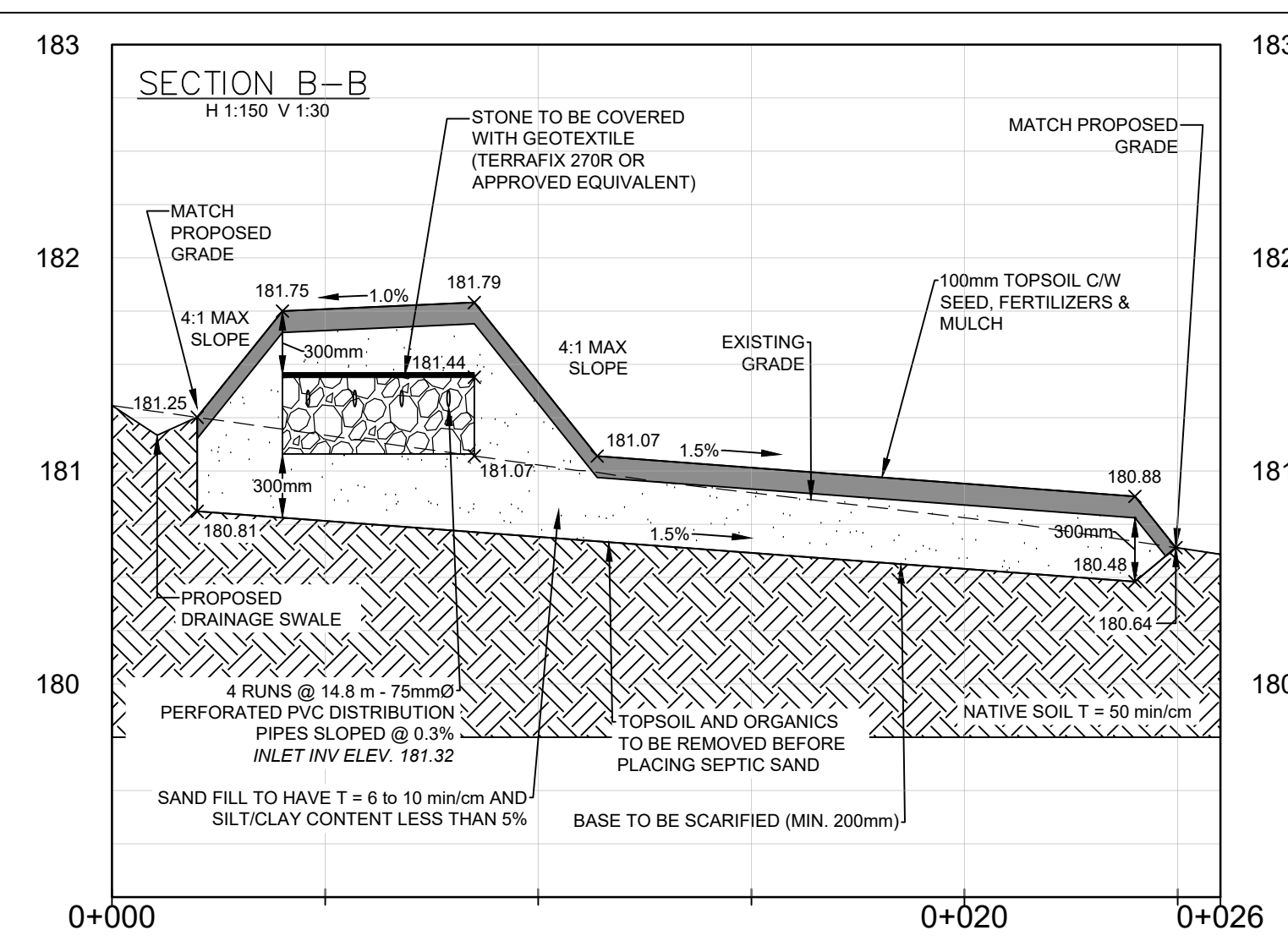
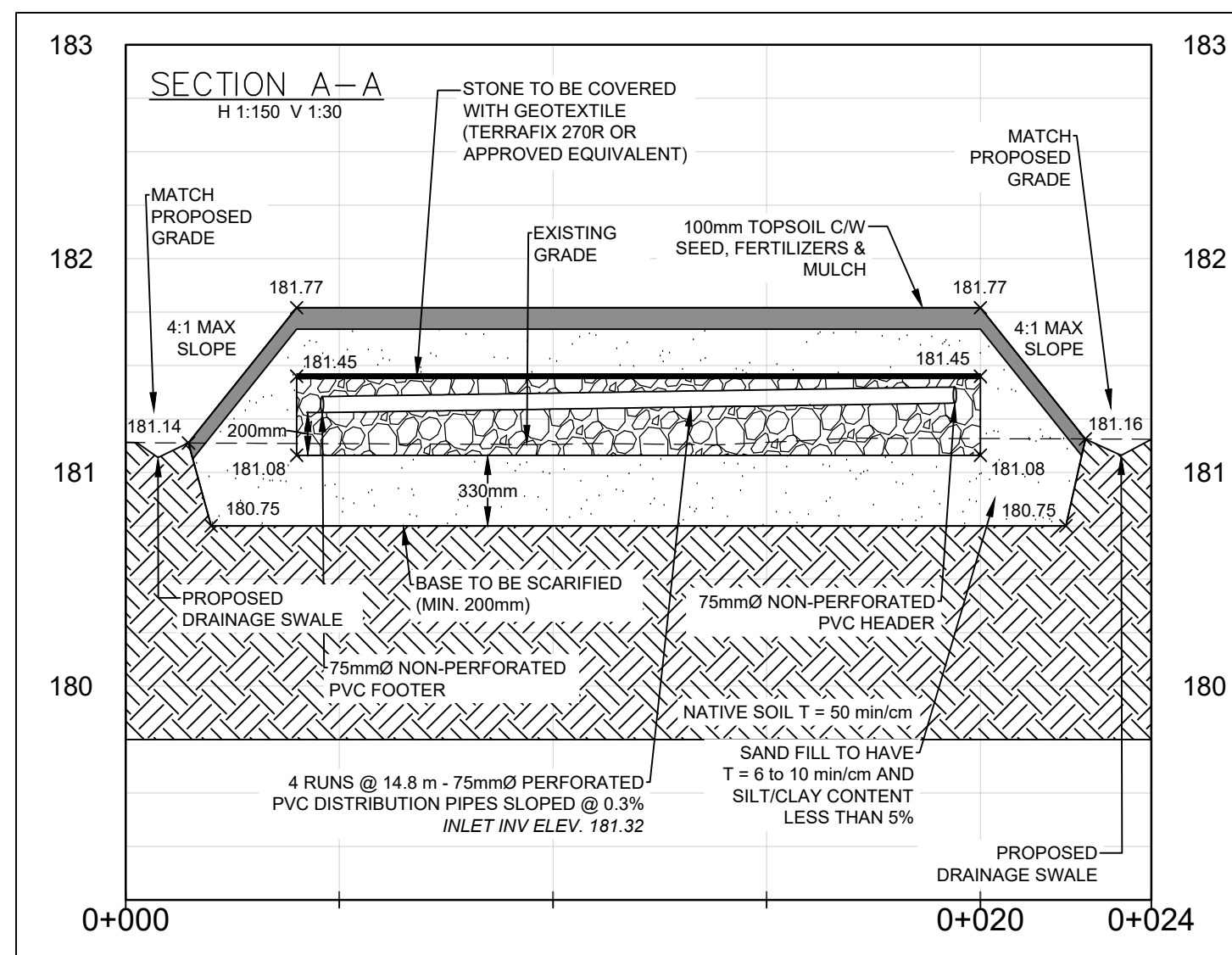
- DESIGN FLOWS FOR CREMATORIUM**  
CHURCH WITH NO KITCHEN FACILITIES SEATS = 160 @ 8 L/SEAT/DAY = 1280 L/DAY  
OFFICE FLOOR SPACE = 271 m<sup>2</sup>  
UNITS OF 9.3 m<sup>2</sup> = 291 @ 75 L/UNIT/DAY = 2183 L/DAY  
**DAILY SANITARY DESIGN FLOW**  
= 3463 L/DAY  
= 3500 L/DAY
- SEPTIC/TRE-TREATMENT TANK**  
WATERLOO ANAEROBIC DIGESTER MODEL AD-8150 IN ACCORDANCE WITH WATERLOO BIOFILTER CANBING REQUIREMENTS TO PROVIDE 3500 L/DAY CAPACITY
- TREATMENT TANK**  
MINIMUM TREATMENT SYSTEM CAPACITY = 1 Q = 3500 L/day  
WATERLOO BASKET BIOFILTER MODEL BT-6800 IN ACCORDANCE WITH WATERLOO CANBING REQUIREMENTS TO PROVIDE 3500 L/DAY CAPACITY
- TYPE A DISPERSAL BED W/ TREATMENT**  
WITH T OF 50 mm/cm  
STONE AREA = Q \* T / 400 = 3500 \* 50 / 400 = 438 m<sup>2</sup> (440 m<sup>2</sup> PROVIDED)  
SAND AREA = Q \* T / 400 = 3500 \* 50 / 400 = 438 m<sup>2</sup> (440 m<sup>2</sup> PROVIDED)

**SEWAGE SYSTEM CONSTRUCTION NOTES**

- PROPOSED SEWAGE SYSTEM CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE, PROCEDURES AND GUIDELINES FOR ON-SITE SEWAGE SYSTEMS, ONTARIO MINISTRY OF ENVIRONMENT, AND MANUFACTURER'S RECOMMENDATIONS.
- TOPSOIL IN AREA OF PROPOSED BED SHALL BE REMOVED AND STOCK PILED IN AN AREA SPECIFIED BY THE ENGINEER.
- ALL EARTH WORKS, INCLUDING PLACEMENT OF FILL, ARE TO BE UNDERTAKEN WITH A SMALL TRACK MACHINE TO KEEP COMPACTION TO A MINIMUM. KEEP ALL TRAFFIC IN THE AREA OF THE PROPOSED LEACHING BED TO A MINIMUM.
- THE AREA OF THE PROPOSED BED AND MANTLE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 200mm BEFORE THE PLACEMENT OF AND IMPORTED FILL.
- THE ELEVATION OF HIGH GROUNDWATER TABLE AND BEDROCK SHALL BE VERIFIED WITH THE ENGINEER IN THE FIELD PRIOR TO THE CONSTRUCTION OF THE BED. ALL COMPONENT LOCATIONS SHALL BE FIELD VERIFIED WITH THE ENGINEER PRIOR TO INSTALLATION.
- THE AREA SURROUNDING THE PROPOSED BED SHALL BE GRADED TO ENSURE THAT SURFACE DRAINAGE IS AWAY FROM OR AROUND THE PROPOSED BED.
- GRAVITY SEWERS TO HAVE MIN 0.6m COVER AND SHALL BE INSULATED WHERE LESS THAN 1.0m COVER. FORCEMAIN SHALL BE INSULATED WHERE LESS THAN 1.5m COVER IS PROVIDED.
- BEDDING, COVER, AND BACKFILL TO BE IN ACCORDANCE WITH OPSS.
- ALL SLOPES SHALL BE CONSTRUCTED NO STEEPER THAN 4:1 (H:V) UNLESS OTHERWISE NOTED.
- ALL DISTURBED AREAS SHALL BE TOPSOILED (100 mm DEPTH UNLESS OTHERWISE SPECIFIED), AND HYDRO SEEDING, COMPLETE WITH FERTILIZER AND MULCH IN ACCORDANCE WITH OPSS 802 AND 804.
- ALL ELEVATIONS TO BE VERIFIED PRIOR TO BACKFILL.
- ALL IMPORTED SAND FILL TO HAVE A T-TIME OF 6 TO 10 MIN/CM AND A SILT/CLAY CONTENT OF NO MORE THAN 5% AND SHALL BE VERIFIED IN WRITING BY A SOIL TESTING FIRM AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
- ALL FILL MATERIAL PLACED BENEATH TANKS TO BE COMPACTED TO 98%.
- IF GROUNDWATER LEVEL RISES ABOVE THE BASE OF THE TANK PRIOR TO INSTALLATION COMPLETION, INCLUDING BACKFILL OF EARTH OVER TANK TO EXISTING GRADES, CONTRACTOR TO TAKE ACTION REQUIRED TO PREVENT BUOYANCY OF TANKS (EXAMPLE: FILL TANK WITH WATER).
- ALL JOINTS BELOW THE HIGH WATER LEVEL IN PRE-CAST TANKS SHALL BE SEALED WITH MASTIC SEALANT.
- ALL METALS IN SEPTIC TANKS OR PUMP CHAMBERS TO BE GALVANIZED OR STAINLESS STEEL.
- CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES AND EXISTING SEWAGE WORKS PRIOR TO CONSTRUCTION.
- ALL TANKS TO BE PROVIDED WITH PRE-CAST CONCRETE OR PVC ACCESS RISERS TO GRADE AS NOTED. HATCHES TO BE BOLTED AND GASKETED AND ACCESSIBLE AT GRADE. ALL CIRCULAR HATCHES TO BE 600mmØ POLYLOK RISERS WITH CAST-IN ADAPTORS. ALL SQUARE ACCESS OPENINGS TO BE EQUIPPED WITH CONCRETE RISERS. VENTED HATCHES TO BE PROVIDED ON TANKS CONTAINING PUMPS.
- ALL TRENCHES AND EXCAVATIONS SHALL BE KEPT OPEN FOR FINAL INSPECTION PRIOR TO BACKFILL. SEPTIC TANK TO BE LEFT UNCOVERED AND MANUFACTURER'S MARKINGS VISIBLE FOR FINAL INSPECTION.
- THE INSTALLING CONTRACTOR SHALL INSTALL THE SEWAGE SYSTEM WITH TRANSIT/LEVEL AND PROVIDE SAME FOR FINAL INSPECTION.
- NO PORTION OF THE SEWAGE SYSTEM SHALL BE INFRINGED UPON WITH ANY STRUCTURAL COMPONENTS SUCH AS BUILDINGS, POOLS, GARAGES, VEHICLES, ETC. NO EARTH, SNOW OR OTHER MATERIAL SHALL BE PILED WITHIN 3m OF THE SEWAGE SYSTEM. NO TREES SHALL BE PLANTED WITHIN 6m OF THE SEWAGE SYSTEM.
- PRIOR TO ACCEPTANCE OF THE SEWAGE SYSTEM CONSTRUCTION, CONTRACTOR TO PROVIDE DOCUMENTATION THAT ALL ELECTRICAL WORK HAS BEEN INSPECTED AND APPROVED BY THE ELECTRICAL AUTHORITY HAVING JURISDICTION.
- ALL VALVES TO PROVIDE NO OBSTRUCTION TO FLOW WHEN FULLY OPENED. ALL VALVES AND COUPLINGS TO BE ACCESSIBLE AT GRADE.
- THE WATERLOO BASKET BIOFILTER TREATMENT SYSTEM WILL REQUIRE A MAINTENANCE CONTRACT BETWEEN THE SUPPLIER AND THE OWNER.
- ALL TANKS TO BE PROVIDED WITH CAST-IN FLEXIBLE RUBBER BOOT FOR WATERTIGHT INLET AND OUTLET CONNECTIONS.
- UNLESS OTHERWISE NOTED, PE FORCEMANS TO BE HDPE SERIES 100 OR DR13.5 PE AND PVC FORCEMAIN TO BE SCHEDULE 40 GRAVITY SEWERS TO BE SDR-35.
- ALL PIPES SUBJECT TO VEHICULAR LOADING SHALL BE ADEQUATELY PROTECTED. FORCEMAIN TO BE PROVIDED WITH TRACER WIRE, AWG 12TYE, SECURED TO THE TOP OF THE FORCEMAIN AT MAXIMUM INTERVALS OF 2.5m WITH WATER PROOF TAPE OR ZIP-TIES. TRACER WIRE TO BE TERMINATED AT THE DISPERSAL BED.
- UNLESS OTHERWISE SPECIFIED, ALL TANK INLETS AND OUTLETS TO BE FITTED WITH TEES.
- ALL PUMP FLOATS TO BE SECURED TO 50mmØ PVC REMOVABLE FLOAT TREE.
- NO WATER SOFTENER DISCHARGE IS PERMITTED TO BE SENT TO THE SEWAGE TREATMENT SYSTEMS.
- ALL PUMP CONTROL PANELS TO BE EQUIPPED WITH SEPARATE CIRCUIT BREAKERS FOR PUMP CIRCUIT.
- NO JUNCTION BOXES TO BE LOCATED IN ACCESS RISERS.
- ALL BURIED ELECTRICAL WIRING TO BE IN PVC CONDUIT.
- EFFLUENT PUMP IN PUMP CHAMBER TO BE LITTLE GIANT WSV50HM 0.5HP OR APPROVED EQUIVALENT. SINGLE PHASE, 115V, AND SUPPLIED WITH THE FOLLOWING:  
(A) SUFFICIENT ELECTRICAL CABLE TO REACH FROM THE PUMP CHAMBER TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO THE CONTROL PANEL.  
(B) LEVEL CONTROLS (NON-MERCURY) WITH THE SAME ELECTRICAL CABLE LENGTH AS IN (A).  
(C) WATERLOO SMART CONTROL PANEL WITH TIME DOSE TO BE INSTALLED IN LOCATION IN CONSULTATION WITH OWNER.  
(D) INITIAL TIMER ON/OFF SWITCH CONFIGURED TO BE 01 m.
- EFFLUENT PUMP IN BASKET BIOFILTER TANK TO BE LIBERTY 280-SERIES 0.5HP OR APPROVED EQUIVALENT. SINGLE PHASE, 115V, RATED FOR 2.10 L/S AT 7.3m TDH AND SUPPLIED WITH THE FOLLOWING:  
(A) SUFFICIENT ELECTRICAL CABLE TO REACH FROM THE PUMP CHAMBER TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO THE CONTROL PANEL.  
(B) LEVEL CONTROLS (NON-MERCURY) WITH THE SAME ELECTRICAL CABLE LENGTH AS IN (A).  
(C) WATERLOO SMART CONTROL PANEL WITH DEMAND DOSE TO BE INSTALLED IN LOCATION IN CONSULTATION WITH OWNER.
- LEACHING BED PIPING TO BE EQUIPPED WITH MEANS OF DETECTION I.E. TRACER WIRE, MAGNETIC MEANS OR APPROVED EQUIVALENT.



KEY PLAN  
SCALE: N.T.S.



**ENGINEERING INSPECTION SCHEDULE**

THE FOLLOWING MILESTONES ARE TO BE INSPECTED AND APPROVED BY THE ENGINEER (OR THEIR REPRESENTATIVE) BEFORE THE CONTRACTOR PROCEEDS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSPECTIONS FOR THE MILESTONES LISTED BELOW (MINIMUM)

- ALL EXCAVATIONS FOR TANKS, TANK INSTALLATION AND BACKFILLING.
- BASE OF DISPOSAL BED PRIOR TO BACKFILL OF ANY IMPORTED MATERIAL.
- INSTALLATION OF DISPOSAL BED COMPONENTS PRIOR TO BACKFILL.
- ALL PIPE CONNECTIONS, SEWERS AND FORCEMANS PRIOR TO BACKFILL.
- FINAL GRADING AND SEEDING, RESTORATION OF DISTURBED AREAS.
- SYSTEM TESTING WITH CLEAN WATER.

Notes  
1. This drawing is the exclusive property of R. J. Burnside & Associates Limited. The reproduction of any part without prior written consent of this office is strictly prohibited.  
2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.  
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

No.	Issue / Revision	Date	Auth.
0	ISSUED FOR PERMIT	5/26/2023	BG
1	ISSUED FOR TENDER	6/1/2023	BG



**LEGEND**

---	GRAVITY SEWER
---	FORCEMAIN
---	PROPOSED GRADE
---	EXISTING GRADE

PROPOSED SWALES TO REDIRECT ALL SURFACE DRAINAGE AROUND BED AREA



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HOLY FAMILY CEMETERY CREMATORIUM  
SEWAGE SYSTEM  
SITE PLAN AND DETAILS  
2523 LOWER BASE LINE ROAD  
MILTON, ON

Client  
**THE CATHOLIC CEMETERIES OF THE DIOCESE OF HAMILTON**  
680 SPRING GARDENS ROAD  
BURLINGTON, ON  
L7T 1J1

Drawn	Checked	Design	Checked	Date	Checked	Date
BZ	BG	BZ	BG	2023/05/26	BG	2023/05/26

Project No. 300051811  
Scale AS NOTED

**SS1C**