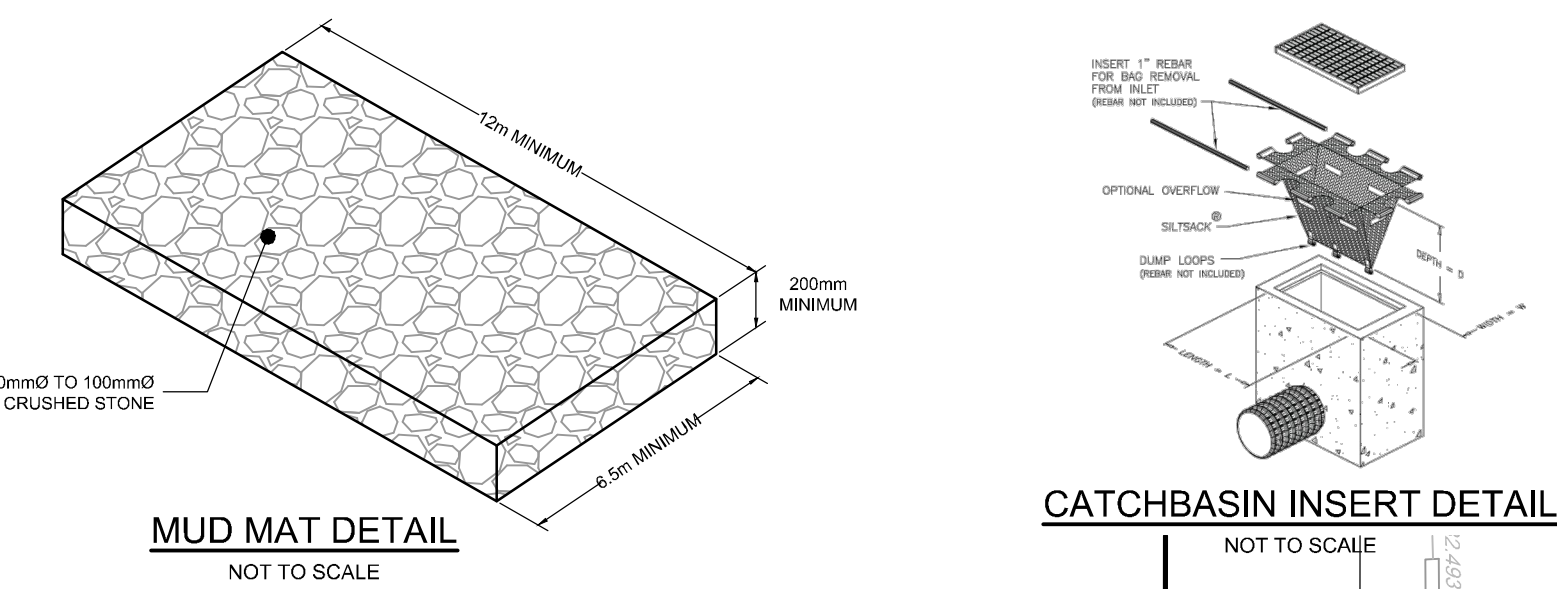


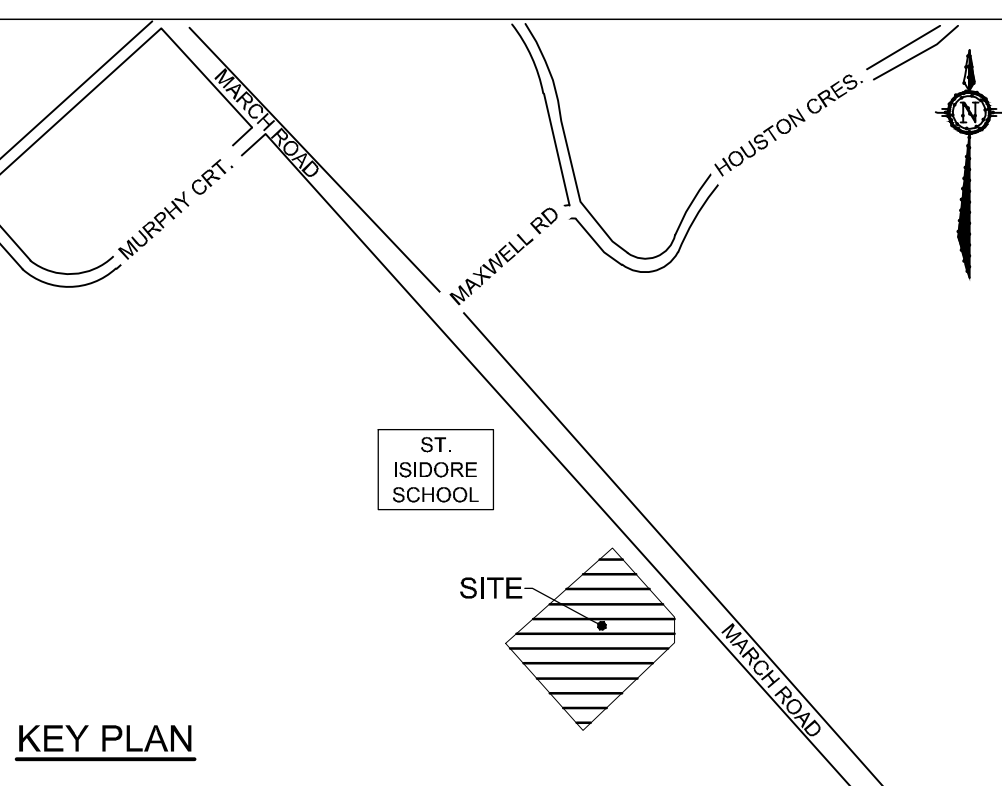
LEGEND

- PROPOSED ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED SWALE ELEVATION
- EXISTING STREET / GRADES
- EXISTING ELEVATION
- GRADE AND DIRECTION
- MAXIMUM 3:1 SIDESLOPE
- PROPOSED TERRACE ELEVATION
- PROPOSED SILT FENCING (OPSD 219.110)
- PROPERTY LINE
- FFE FINISHED FLOOR ELEVATION
- TIFND TOP OF FOUNDATION WALL ELEVATION
- USF UNDERSIDE OF FOOTING ELEVATION
- SAN MH 01
- STM MH 03
- HYD
- CBMH 01
- CB 02
- 2.0%
- PROPOSED SANITARY MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED HYDRANT AND VALVE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CATCHBASIN INSERT
- EMERGENCY OVERLAND FLOW ROUTE
- BUILDING ENTRANCE / EXIT
- TRANSFORMER
- DS DOWNSPOUT
- EXISTING SERVICE POST
- EXISTING HYDRANT
- EXISTING CONCRETE CURB
- EXISTING CATCHBASIN
- EXISTING CATCHBASIN MH
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRES
- EXISTING FENCE
- EXISTING VALVE & VALVE-BOY
- EXISTING CONCRETE CURB
- EXISTING CATCHBASIN
- EXISTING CATCHBASIN MH
- EXISTING UTILITY POLE
- EXISTING OVERHEAD WIRES
- EXISTING FENCE
- EXISTING VALVE & VALVE-BOY



PAVEMENT STRUCTURE:

- NEW LIGHT DUTY PAVEMENT
 - 50mm SUPERPAVE 12.5
 - 150mm GRANULAR "A"
 - 300mm GRANULAR "B" TYPE II
 - ASPHALT GRADE PG 58-34
- NEW HEAVY DUTY PAVEMENT
 - 40mm SUPERPAVE 12.5
 - 50mm SUPERPAVE 19.0
 - 150mm GRANULAR "A"
 - 450mm GRANULAR "B" TYPE II
 - ASPHALT GRADE PG 58-34
- HEAVY DUTY PAVEMENT - ROADWAY RE-INSTATEMENT
 - MATCH EXISTING GRANULAR STRUCTURE OF ROADWAY
 - MATCH EXISTING ASPHALT THICKNESSES
 - NEW ASPHALT GRADE: PG 58-34
- HEAVY DUTY PAVEMENT - TEMPORARY ACCESS ROAD
 - 50mm SUPERPAVE 19.0
 - 150mm GRANULAR "A"
 - 450mm GRANULAR "B" TYPE II
 - ASPHALT GRADE PG 58-34



GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
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- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.
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- ALL ELEVATIONS ARE GEODETIC.
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- REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARDWARE SURFACE AREAS AND DIMENSIONS.
- REFER TO THE DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT (R-2022-090) PREPARED BY NOVATECH.
- SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).

GRADING NOTES:

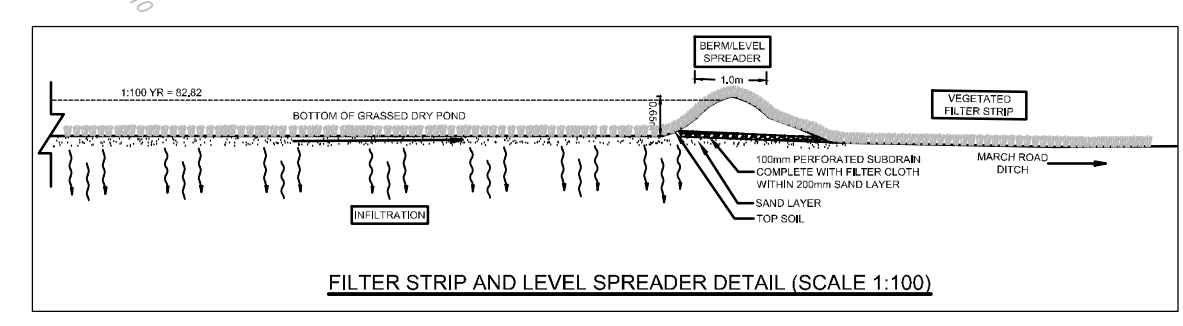
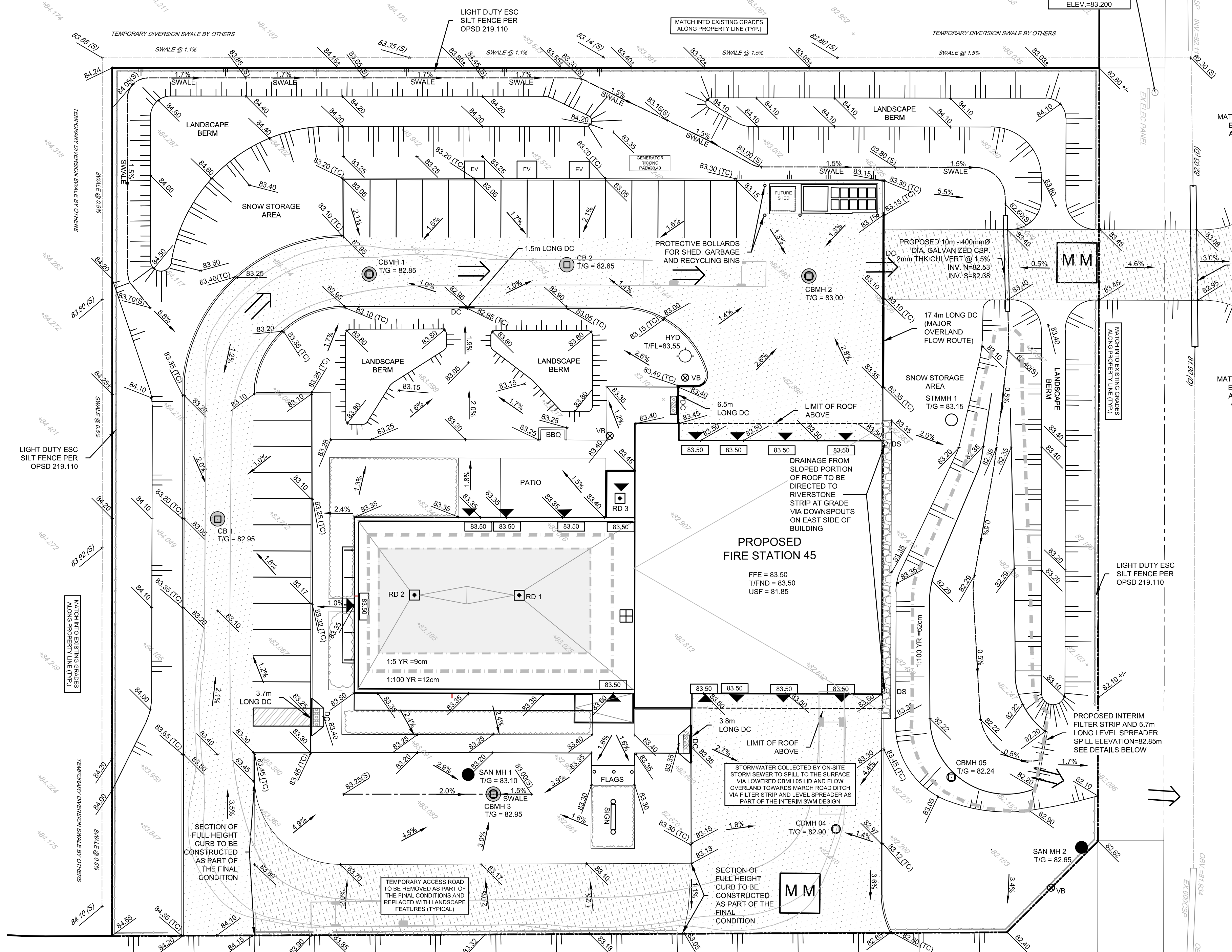
- ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED PAVED AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
- EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE PROOF ROLLED WITH A LARGE STEEL DRUM ROLLER AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
- ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- THE GRANULAR BASE SHOULD BE COMPACTED TO AT LEAST 99% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
- MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
- MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
- ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
- ALL CURBS SHALL BE BARRIER CURB (150mm) UNLESS OTHERWISE NOTED AND CONSTRUCTED AS PER CITY OF OTTAWA STANDARDS (SC1.1).
- REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GRADING PLAN INDICATING THE AS-BUILT ELEVATIONS OF ALL DESIGN GRADES SHOWN ON THIS PLAN.

EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA. THEY ARE TO BE APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION. THESE PRACTICES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AND SHOULD INCLUDE AS A MINIMUM THOSE MEASURES INDICATED ON THE PLAN.
- A LIGHT DUTY SILT FENCE BARRIER WILL ALSO BE INSTALLED AROUND THE CONSTRUCTION AREA (WHERE APPLICABLE). THESE CONTROL MEASURES WILL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- TO PREVENT SURFACE EROSION FROM ENTERING ANY STORM SEWER SYSTEM DURING CONSTRUCTION, CATCHBASIN INSERTS WILL BE PLACED WITHIN SURFACE CATCHBASINS AND MANHOLE STRUCTURES. A LIGHT DUTY SILT FENCE BARRIER WILL ALSO BE INSTALLED (PER OPSD 219.110) AROUND THE CONSTRUCTION AREA (WHERE APPLICABLE). IN AREAS WHERE SILT FENCING CANNOT BE INSTALLED PER OPSD 219.110 (i.e. HARD SURFACES), A FILTER SOCK SHALL BE SUBSTITUTED. THESE CONTROL MEASURES WILL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE.
- THE SEDIMENT CONTROL MEASURES SHALL ONLY BE REMOVED WHEN, IN THE OPINION OF THE ENGINEER, THE MEASURES ARE NO LONGER REQUIRED. NO CONTROL MEASURES MAY BE PERMANENTLY REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO ANY STORM SEWER SYSTEM. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
- THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- ROADWAYS ARE TO BE SWEEPED AS REQUIRED OR AS DIRECTED BY THE ENGINEER AND/OR MUNICIPALITY.
- THE CONTRACTOR SHALL ENSURE PROPER DUST CONTROL IS PROVIDED WITH THE APPLICATION OF WATER (AND IF REQUIRED, CALCIUM CHLORIDE) DURING DRY PERIODS.

Erosion and Sediment Control Responsibilities:

ESC Measure	Symbol	Specification	Installation Responsibility	Inspection/Maintenance Responsibility	Inspection Frequency	Approval to Remove	Removal Responsibility	After Final Acceptance Inspection/Maintenance Responsibility
Silt Fence	[Symbol]	OPSD 219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Filter Bags/Socks	[Symbol]	Location as Indicated in ESC Note #2	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Mud Mat	[Symbol]	Drawing Details	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Dust Control	[Symbol]	Location as Required in ESC Note #3	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Stabilized Material Stockpiling	[Symbol]	Location as Required by Contractor	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Sediment Basin (for flows being pumped out of excavations)	[Symbol]	Location as Required by Contractor	Developer's Contractor	Developer's Contractor	After Every Rainstorm	Developer's Contractor	Developer's Contractor	N/A



Ottawa
PLANNING AND INFRASTRUCTURE PORTFOLIO
INFRASTRUCTURE SERVICES DÉPARTEMENT
DESIGN AND CONSTRUCTION - BUILDINGS & PARKS

PORTFOLIO DE L'URBANISME ET DE L'INFRASTRUCTURE
DÉPARTEMENT DES SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION - IMMEUBLES ET DES PARCS

FOR / POUR
INFRASTRUCTURE SERVICES & COMMUNITY SUSTAINABILITY
INFRASTRUCTURE SERVICES
DESIGN & CONST. - BUILDINGS & PARKS

1:250
0 2 4 6 8 10

NOVATECH
Engineers, Planners & Landscape Architects

Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone: (613) 254-9643
Facsimile: (613) 254-5857
Website: www.novatech-eng.com

1	ISSUED FOR SITE PLAN APPROVAL	201209	FST
NUMBER	MILESTONE / ÉTAP SALLANT	DATE: (Y/M/D)	INITIALS
DESIGNED BY / CONCEVU PAR		DRAWN BY / DÉSSINÉ PAR	
FST/DMM		SCALE / ÉCHELLE	
DMM		SCALE / ÉCHELLE	1:250

DRAWING TITLE
1:1 SCALE

ARCHITECT / ARCHITECTE

CONSULTANT / EXPERT-CONSEIL

PROFESSEUR D'INGÉNIEUR
F.S. THAUETTE
100041399
DEC 09, 2022
PROVINCE OF ONTARIO

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ARCHITECT / ARCHITECTE

CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL

CONSULTANT / EXPERT-CONSEIL

PROJECT / LOCATION / PROJET / ENDROIT
FIRE STATION 45

1075-A MARCH ROAD
OTTAWA, ONTARIO

DRAWING / DESSIN
**GRADING AND EROSION
SEDIMENT CONTROL PLAN
INTERIM CONDITIONS**

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ
BUILDING NUMBER / NUMÉRO DU BÂTIMENT

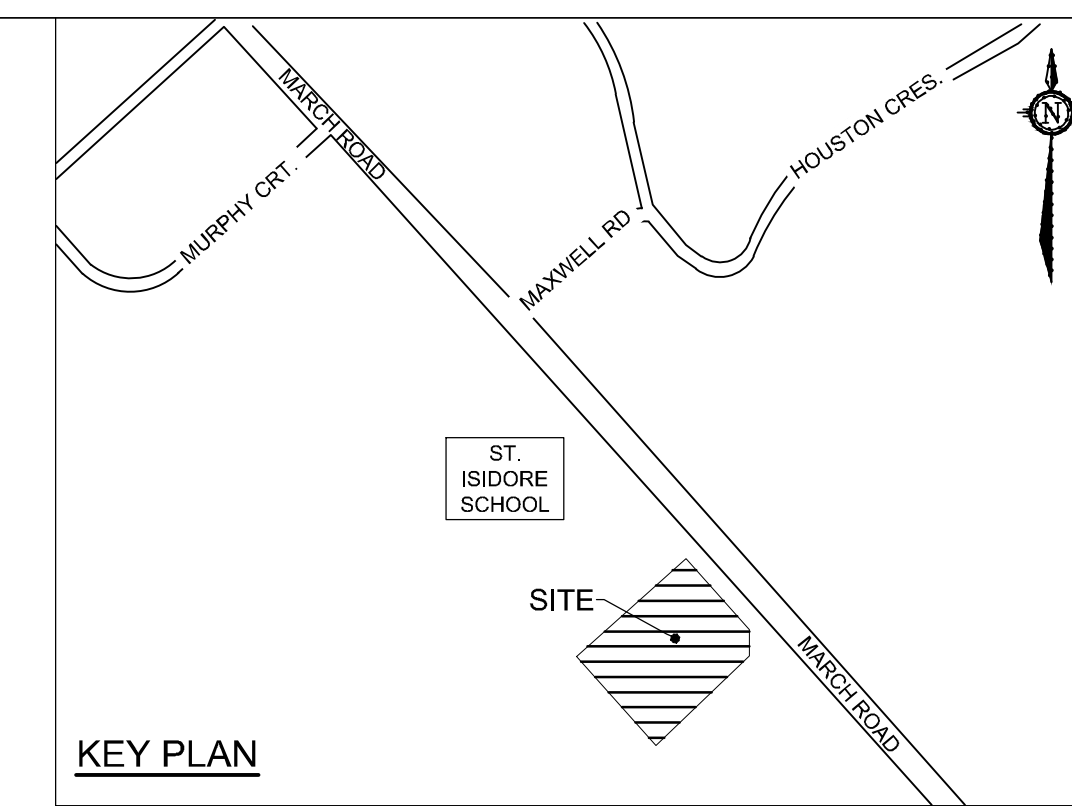
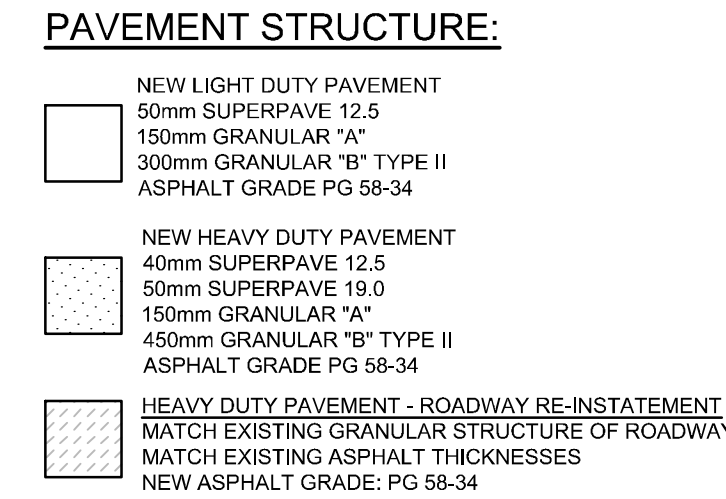
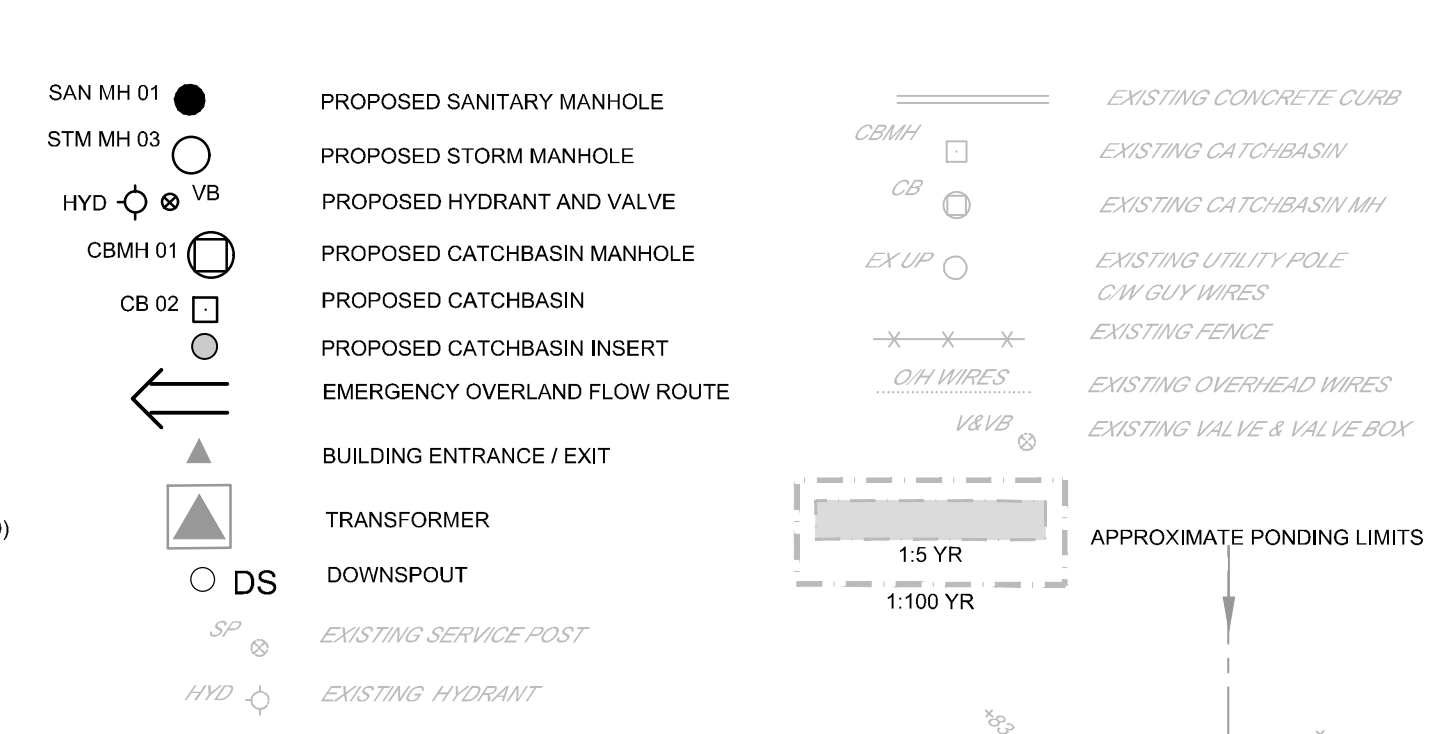
SHEET NO. / FEUILLE NO.
C2.0

CITY PROJECT NO. / PROJ. NO. DE LA VILLE
CONS. PROJECT NO. / PROJ. NO. DE CONSULTANT
122089

D07-12-22-0090

LEGEND

82.75	PROPOSED ELEVATION	SAN MH 01	PROPOSED SANITARY MANHOLE
83.10 (TC)	PROPOSED TOP OF CURB ELEVATION	STM MH 03	PROPOSED STORM MANHOLE
82.30(S)	PROPOSED SWALE ELEVATION	HYD	PROPOSED HYDRANT AND VALVE
82.30	EXISTING STREET 1 GRADES	CBMH 01	PROPOSED CATCHBASIN MANHOLE
82.30	EXISTING ELEVATION	CB 02	PROPOSED CATCHBASIN
2.0%	GRADE AND DIRECTION	CBMH 03	PROPOSED CATCHBASIN INSERT
83.50	MAXIMUM 3:1 SIDESLOPE	EMERG	EMERGENCY OVERLAND FLOW ROUTE
	PROPOSED TERRACE ELEVATION	ENTR	BUILDING ENTRANCE / EXIT
	PROPOSED SILT FENCING (OPSD 219.110)	TRANS	TRANSFORMER
	PROPERTY LINE	DS	DOWNSPOUT
	FFE	SP	EXISTING SERVICE POST
	T/FND	HYD	EXISTING HYDRANT
	USF		



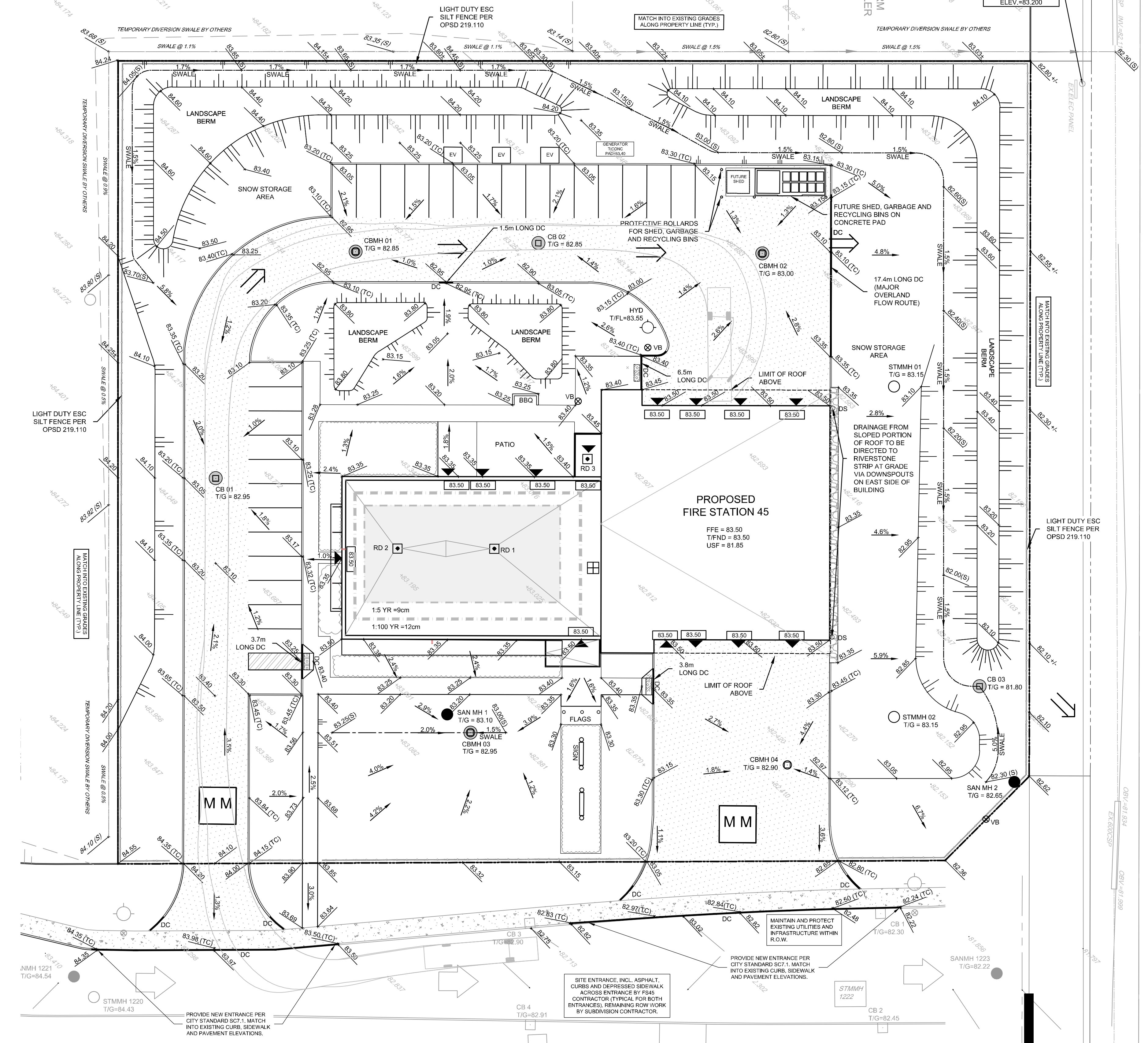
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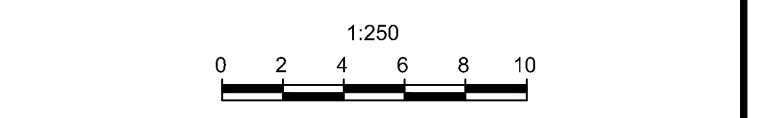
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ESC Measure	Symbol	Specification	Installation Responsibility	Inspection/Maintenance Responsibility	Inspection Frequency	Approval to Remove	Removal Responsibility	After Final Acceptance Inspection/Maintenance Responsibility
Silt Fence		OPSD 219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Filter Bags/Socks		Location as Indicated in ESC Note #3	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Mud Mat		Drawing Details	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Dust Control		Location as Required Around Site	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
Stabilized Material Stockpiling		Location as Required by Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
Sediment Basin (for tows being pumped out of excavations)		Location as Required by Contractor	Developer's Contractor	Developer's Contractor	After Every Rainstorm	Developer's Contractor	Developer's Contractor	N/A



PORTFOLIO DE L'URBANISME ET DE L'INFRASTRUCTURE
DÉPARTEMENT DES SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION - BÂTIMENTS ET DES PARCS

FOR / POUR
INFRASTRUCTURE SERVICES & COMMUNITY SUSTAINABILITY
INFRASTRUCTURE SERVICES
DESIGN & CONST. - BUILDINGS & PARKS



NUMBER	REVISION / MILESTONE / FAT SAILLANT	DATE: (Y/M/D)	INITIALS
8	ISSUED FOR REVISED SITE PLAN CONTROL	22/12/20	FST
7	ISSUED FOR REVISED SITE PLAN CONTROL	22/10/25	FST
6	ISSUED FOR 80% REVIEW	22/09/29	FST
5	REVISED PER CITY COMMENTS	22/08/03	FST
4	ISSUED FOR 80% REVIEW	22/07/27	FST
3	ISSUED FOR BUILDING PERMIT	22/07/15	FST
2	ISSUED FOR 30% REVIEW	22/06/20	FST
1	ISSUED FOR SPC APPROVAL	22/05/20	FST

DESIGNED BY / CONCEVU PAR	CHECKED BY / VERIFIE PAR
FST/DMM	FST
DRAWN BY / DESINE PAR	SCALE / ECHELLE
DMM	1:250

DRAWING TITLE
SCALE: 1:250
SHEET NUMBER

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ARCHITECT / ARCHITECTE
CONSULTANT / EXPERT-CONSEIL

F.S. THAUETTE
100041399
DEC 09, 2022
PROVINCE OF ONTARIO

PROJECT / LOCATION / PROJET / ENDROIT
FIRE STATION 45

1075-A MARCH ROAD
OTTAWA, ONTARIO

DRAWING / DESSIN
**GRADING AND EROSION
SEDIMENT CONTROL PLAN
FINAL CONDITIONS**

BUSINESS ENTITY / NUMERO DE L'ENTITE
BUILDING NUMBER / NUMERO DU BATIMENT

SHEET NO. / FEUILLE NO.
C2.1

CITY PROJECT NO. / NUMERO DE PROJET
CONS_PROJECT NO. / NUMERO DE PROJET
122089

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