

CASH FOR TRASH 7628 FLEWELLYN ROAD, OTTAWA

REVISION 02



KEY PLAN (N.T.S.)

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5430 Canotek Road | Ottawa, ON, K1J 9G2
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CASH FOR TRASH
7628 FLEWELLYN ROAD, OTTAWA, ON
REV.02: RE-ISSUED FOR APPROVAL - SEPTEMBER, 2024
LRL PROJECT no: 210092



NOT AUTHENTIC UNLESS SIGNED AND DATED

PROPOSED SILT FENCE BARRIER AS PER OPSD 219.110

LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED GRASS SWALE
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED RIP RAP
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- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENT, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.

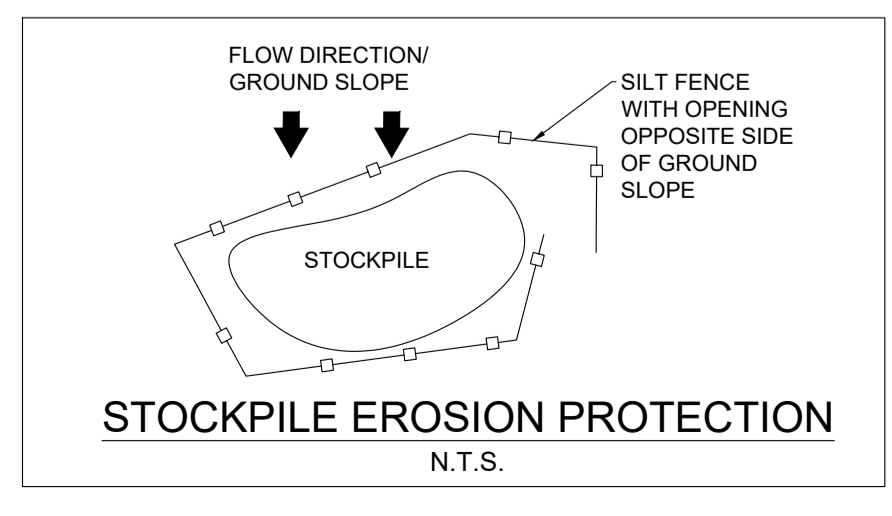
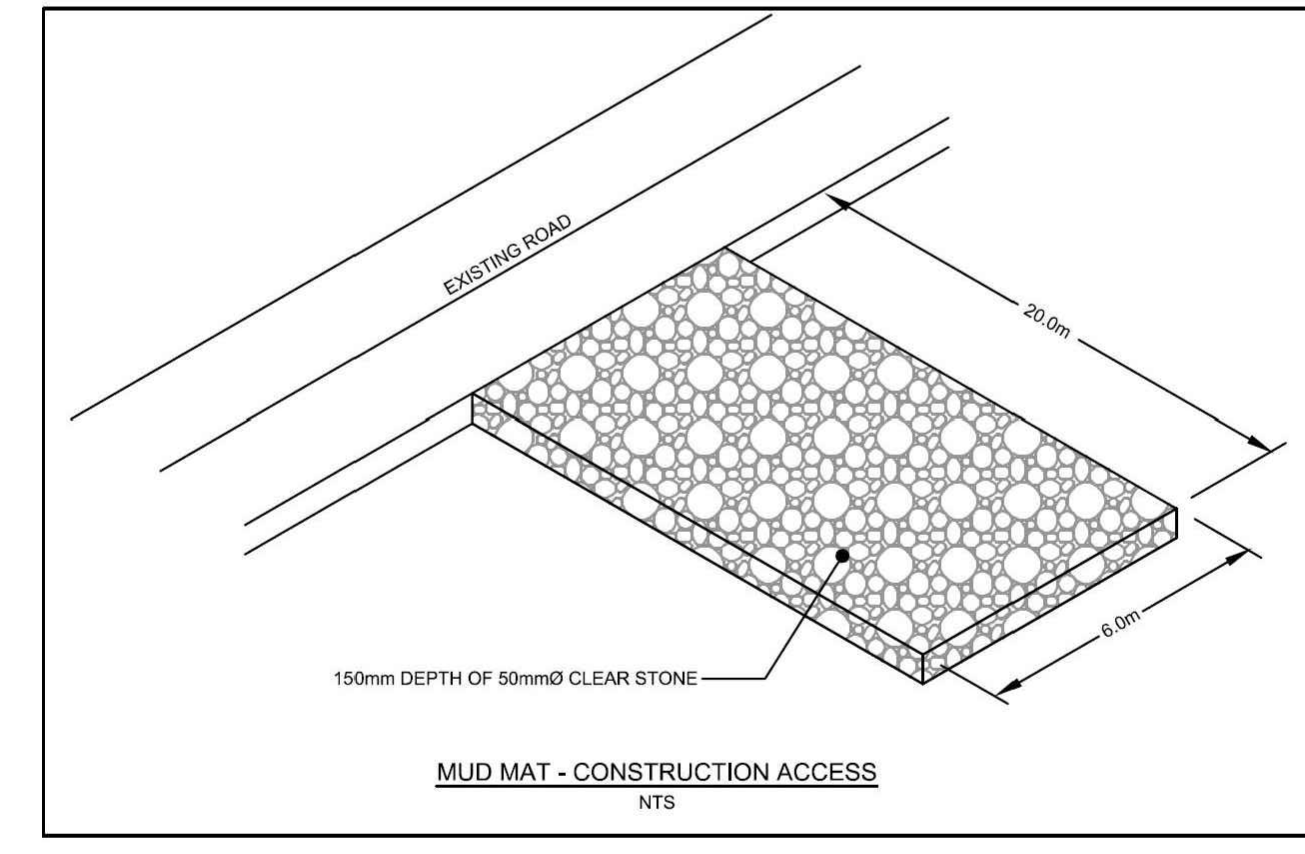
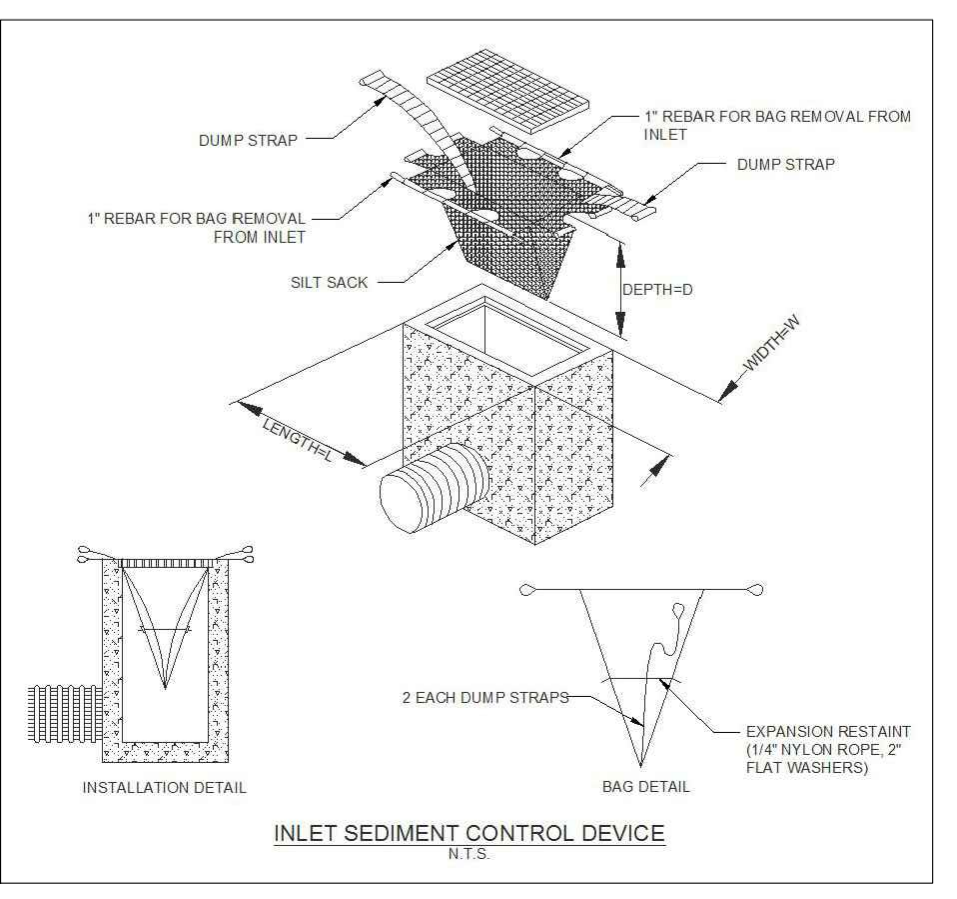
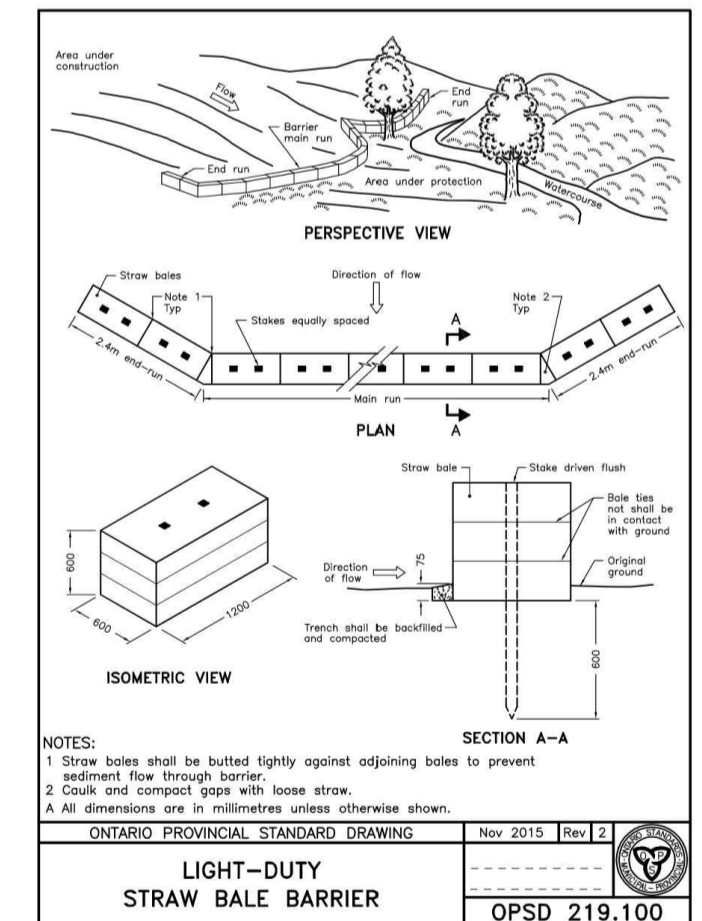
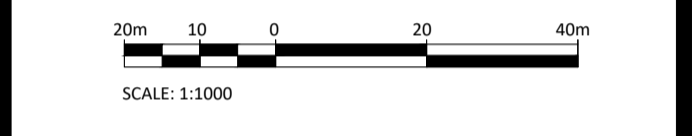
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02	ISSUED FOR APPROVAL	S.V.	JAN 29 2024
01	ISSUED FOR APPROVAL	T.H.	DEC 21 2023



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CLIENT
CASH FOR TRASH CANADA

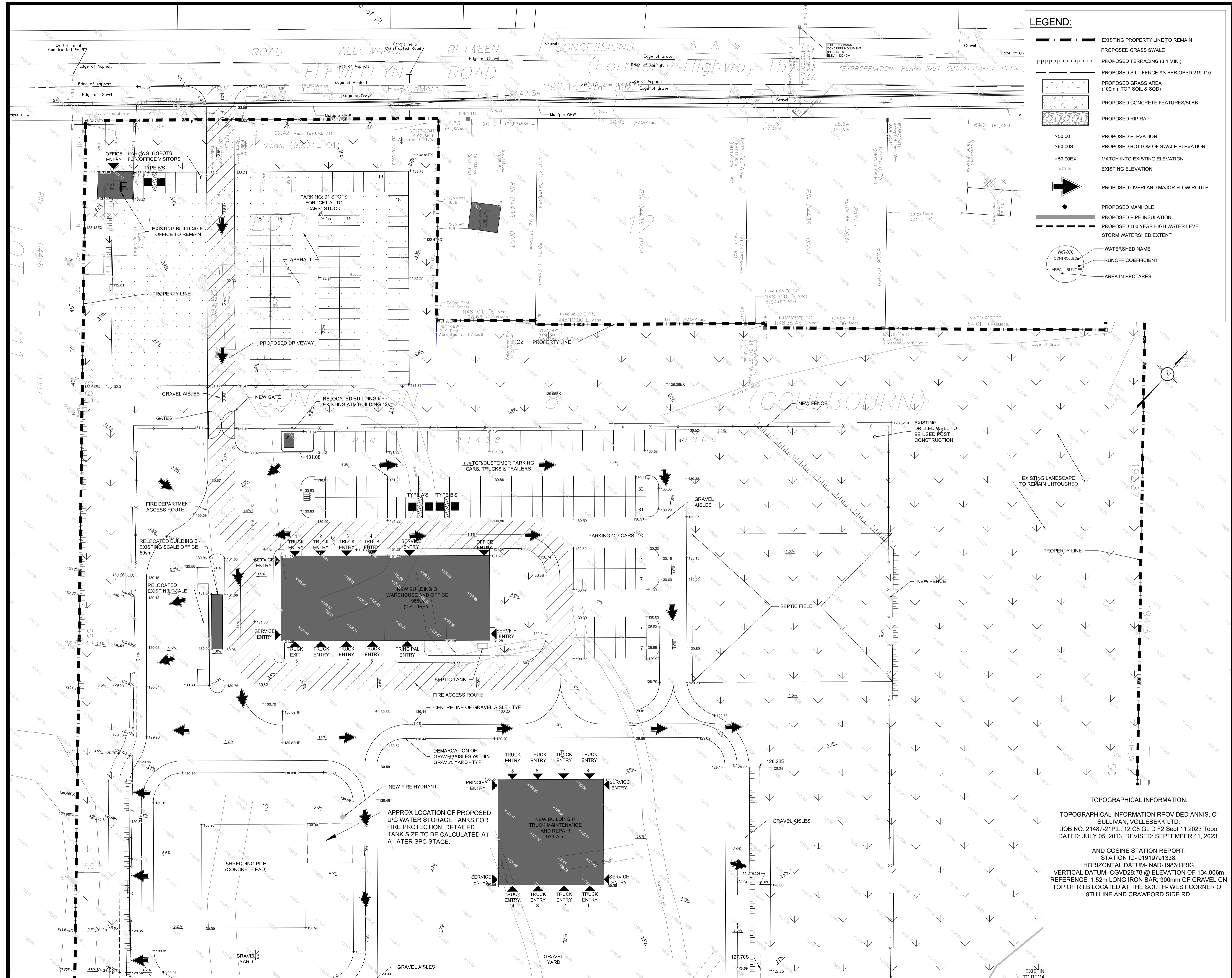
DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT
CASH FOR TRASH - 7628 FLEWELLYN ROAD OTTAWA, ON

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN

PROJECT NO.
210092
 DATE
JANUARY 2024





LEGEND:

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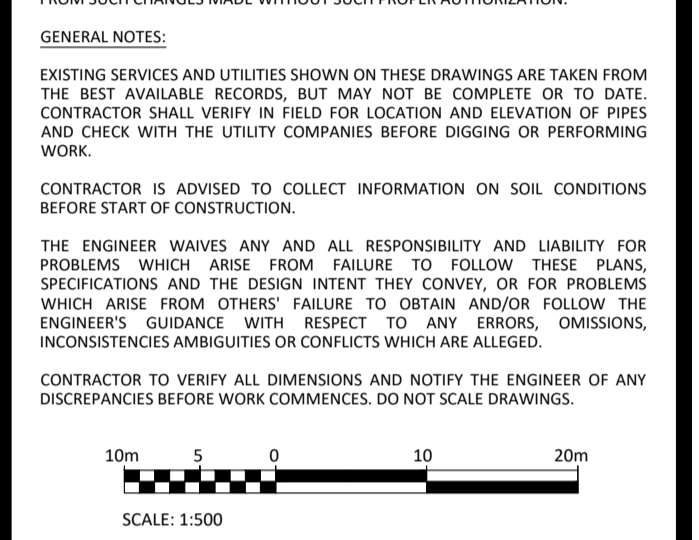
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LICENSED PROFESSIONAL ENGINEER
V. JOHNSON
100510576
09-24-2024
PROVINCE OF ONTARIO

NOT AUTHENTIC UNLESS SIGNED AND DATED

CLIENT: **CASH FOR TRASH CANADA**

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT: **CASH FOR TRASH - 7628 FLEWELLYN ROAD OTTAWA, ON**

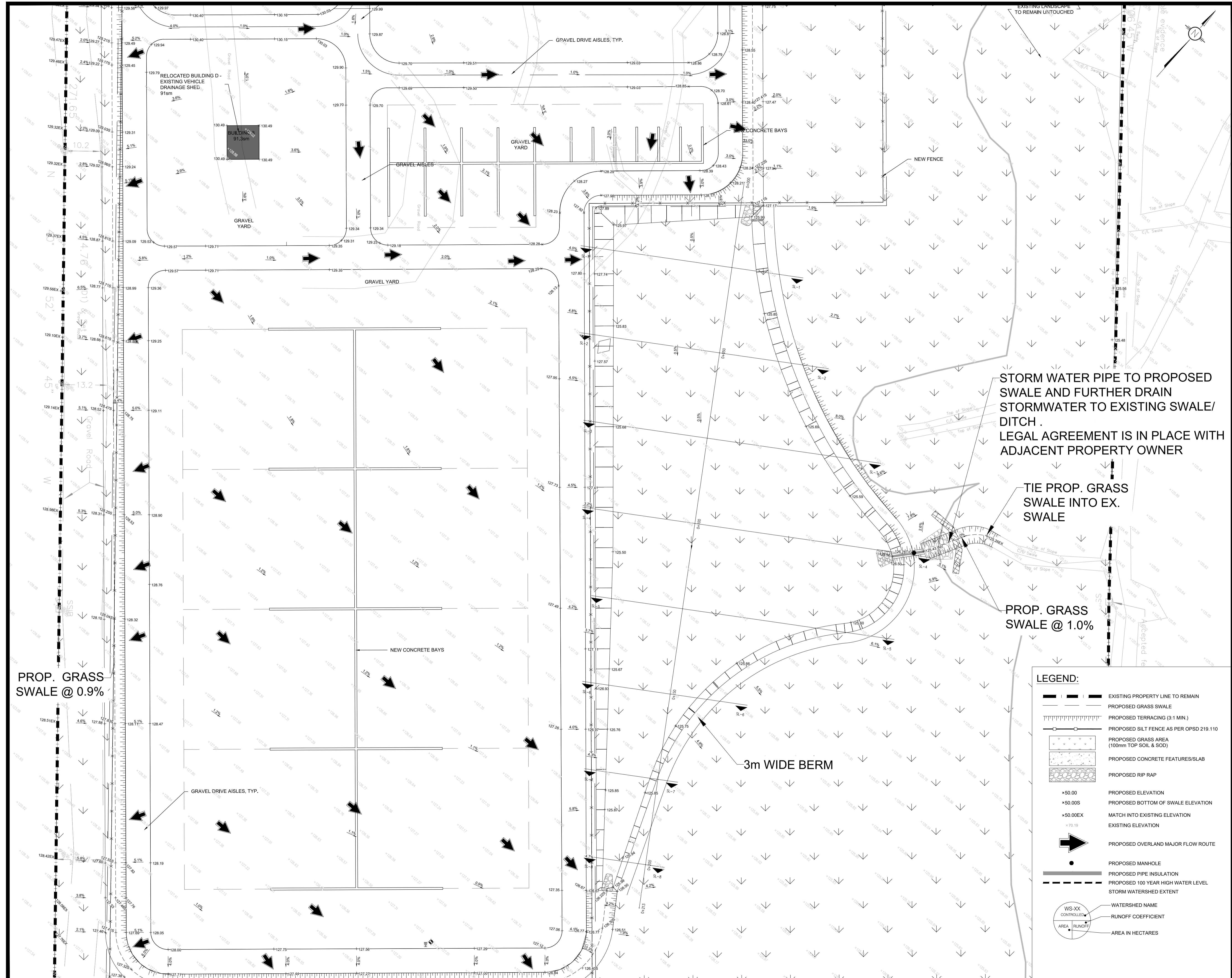
TOPOGRAPHICAL INFORMATION:
TOPOGRAPHICAL INFORMATION PROVIDED ANNIS, O' SULLIVAN, VOLLEBEKK LTD.
JOB NO. 21487-21P11 12 C8 GL D F2 Sept 11 2023 Topo
DATED: JULY 05, 2013, REVISED: SEPTEMBER 11, 2023.

AND COSINE STATION REPORT:
STATION ID- 01919791338.
HORIZONTAL DATUM- NAD-1983-ORIG
VERTICAL DATUM- CGVD2878 @ ELEVATION OF 134.806m
REFERENCE: 1.52m LONG IRON BAR, 300mm OF GRAVEL ON TOP OF R.I.B LOCATED AT THE SOUTH- WEST CORNER OF 9TH LINE AND CRAWFORD SIDE RD.

GRADING AND DRAINAGE PLAN

PROJECT NO: 210092
DATE: JANUARY 2024

C301



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STORM WATER PIPE TO PROPOSED SWALE AND FURTHER DRAIN STORMWATER TO EXISTING SWALE/ DITCH.
LEGAL AGREEMENT IS IN PLACE WITH ADJACENT PROPERTY OWNER

TIE PROP. GRASS SWALE INTO EX. SWALE

PROP. GRASS SWALE @ 1.0%

PROP. GRASS SWALE @ 0.9%

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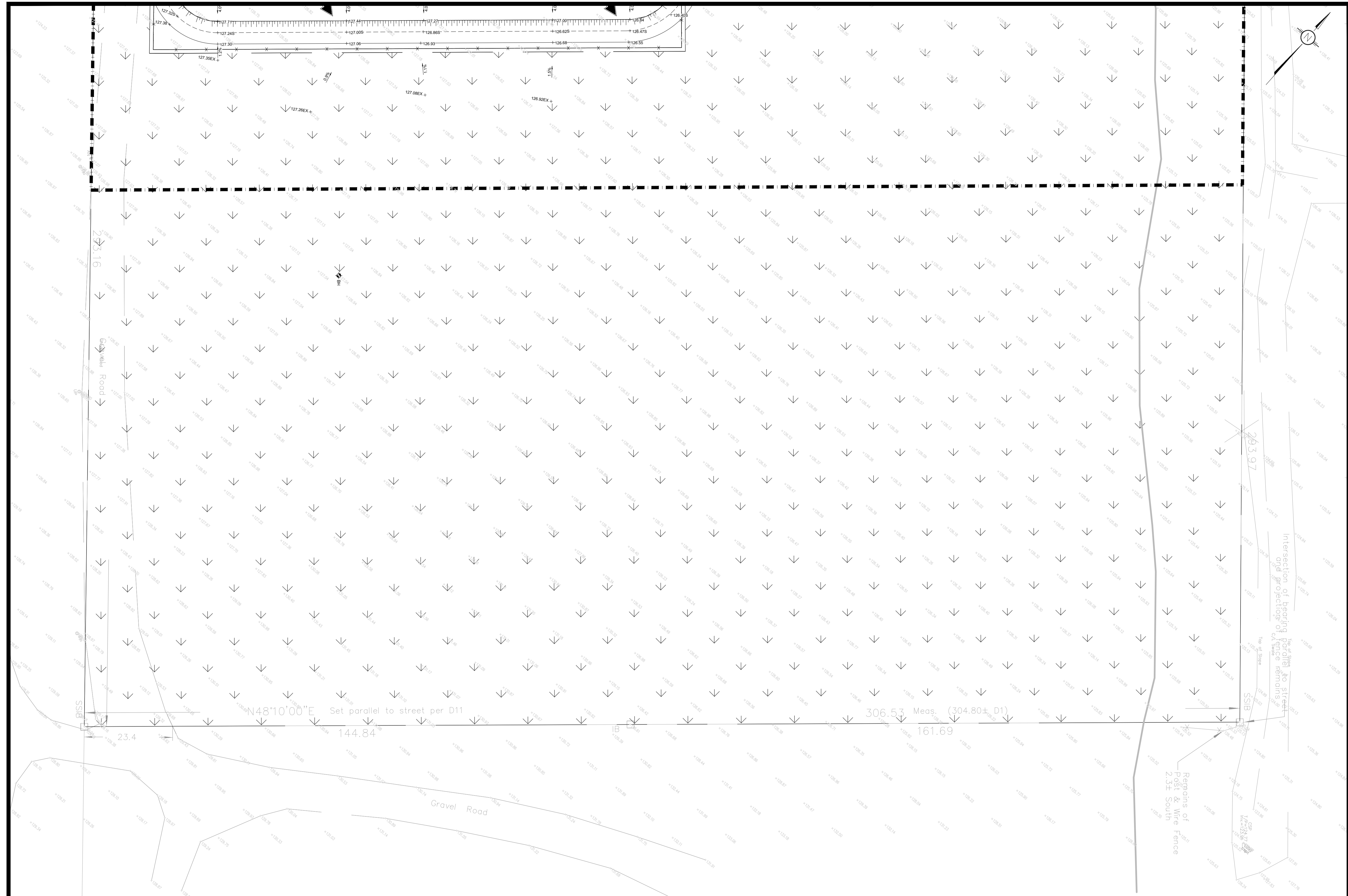
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DRAWING TITLE
GRADING AND DRAINAGE PLAN

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C302



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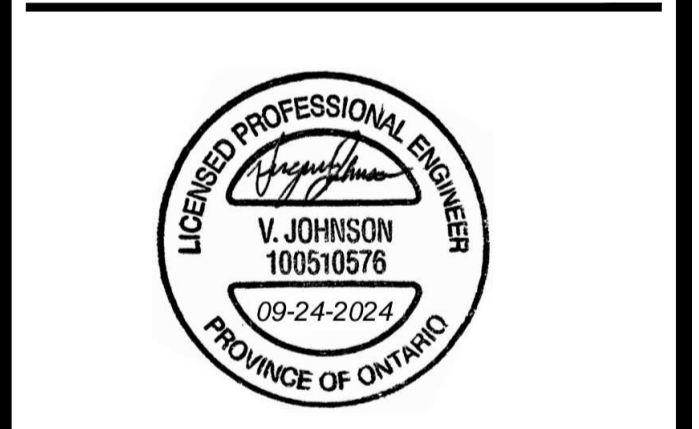
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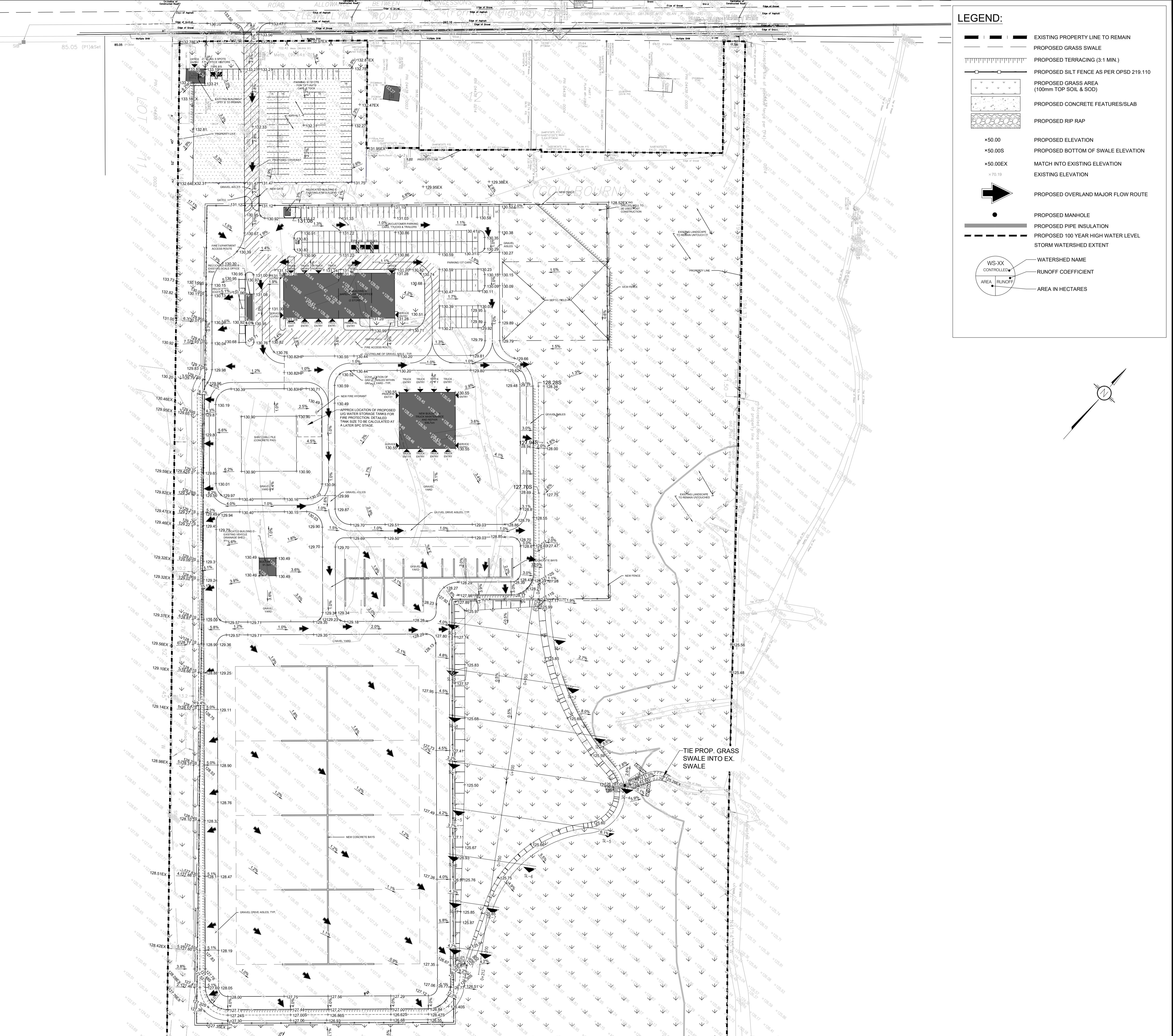
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- PROPOSED PIPE INSULATION
- PROPOSED 100 YEAR HIGH WATER LEVEL
- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE THE SCOPE AND INTENT OF THE DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

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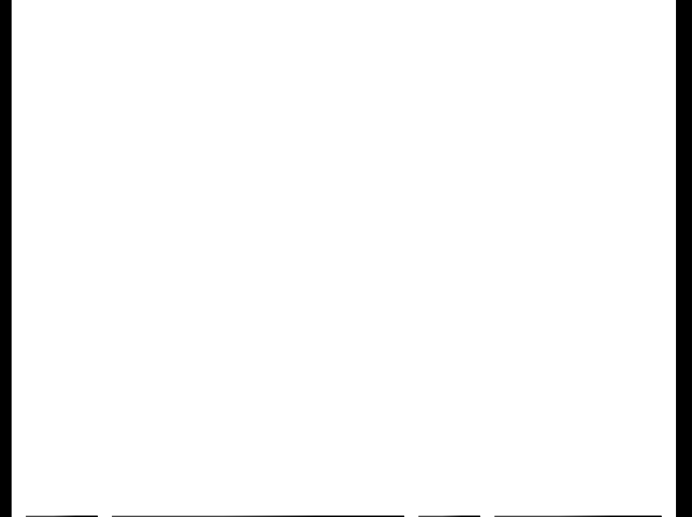
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03	RE-ISSUED FOR APPROVAL	S.V.	SEP 23 2024
02	ISSUED FOR APPROVAL	S.V.	JAN 29 2024
01	ISSUED FOR APPROVAL	T.H.	DEC 21 2023
No.	REVISIONS	BY	DATE



NOT AUTHENTIC UNLESS SIGNED AND DATED

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ENGINEERING | INGÉNIÉRIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT: CASH FOR TRASH CANADA

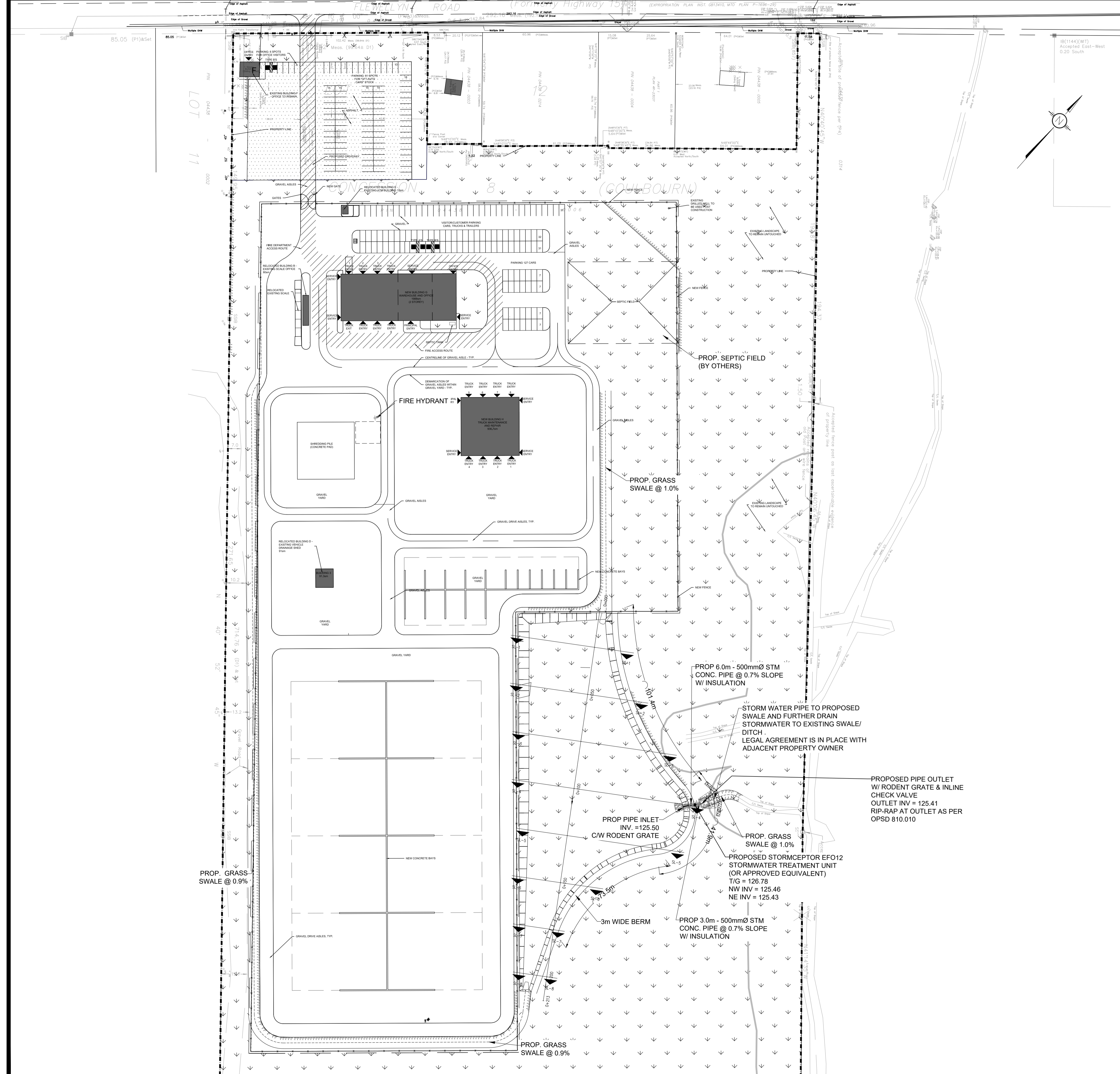
DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT: CASH FOR TRASH - 7628 FLEWELLYN ROAD OTTAWA, ON

DRAWING TITLE: GRADING AND DRAINAGE PLAN

PROJECT NO: 210092
DATE: JANUARY 2024

C304



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED GRASS SWALE
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
- PROPOSED RIP RAP
- PROPOSED ELEVATION
- PROPOSED BOTTOM OF SWALE ELEVATION
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- STORM WATERSHED EXTENT
- WATERSHED NAME
- RUNOFF COEFFICIENT
- AREA IN HECTARES

NOTES:
 OUTLET OF DRY POND TO BE FIELD ADJUSTED
 HYDROSEEDING TO BE DONE ON POND SURFACE

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02	ISSUED FOR APPROVAL	S.V.	JAN 29 2024
01	ISSUED FOR APPROVAL	T.H.	DEC 21 2023
No.	REVISIONS	BY	DATE



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CLIENT
CASH FOR TRASH CANADA

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

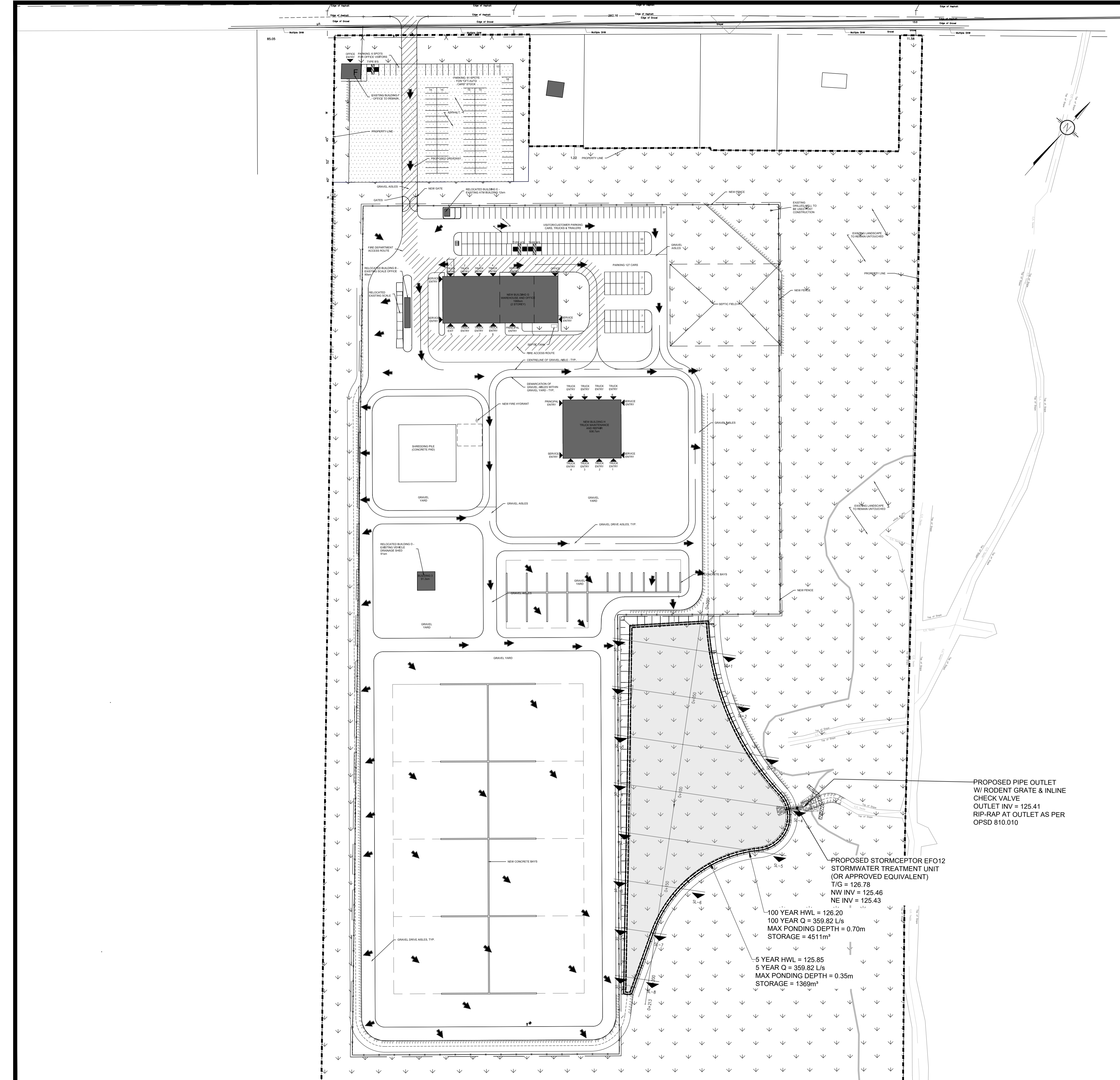
PROJECT
**CASH FOR TRASH - 7628 FLEWELLYN ROAD
 OTTAWA, ON**

DRAWING TITLE
SERVICING PLAN

PROJECT NO.
210092

DATE
JANUARY 2024

C401



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED GRASS SWALE
- PROPOSED SILT FENCE AS PER OPSD 219.110
- PROPOSED GRASS AREA (100mm TOP SOIL & SOD)
- PROPOSED CONCRETE FEATURES/SLAB
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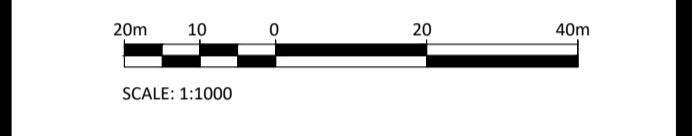
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No.	REVISIONS	BY	DATE



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www.lrl.ca | (613) 842-3434

CLIENT
CASH FOR TRASH CANADA

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT
**CASH FOR TRASH - 7628 FLEWELLYN ROAD
OTTAWA, ON**

DRAWING TITLE
STORMWATER MANAGEMENT PLAN

PROJECT NO.
210092

DATE
JANUARY 2024

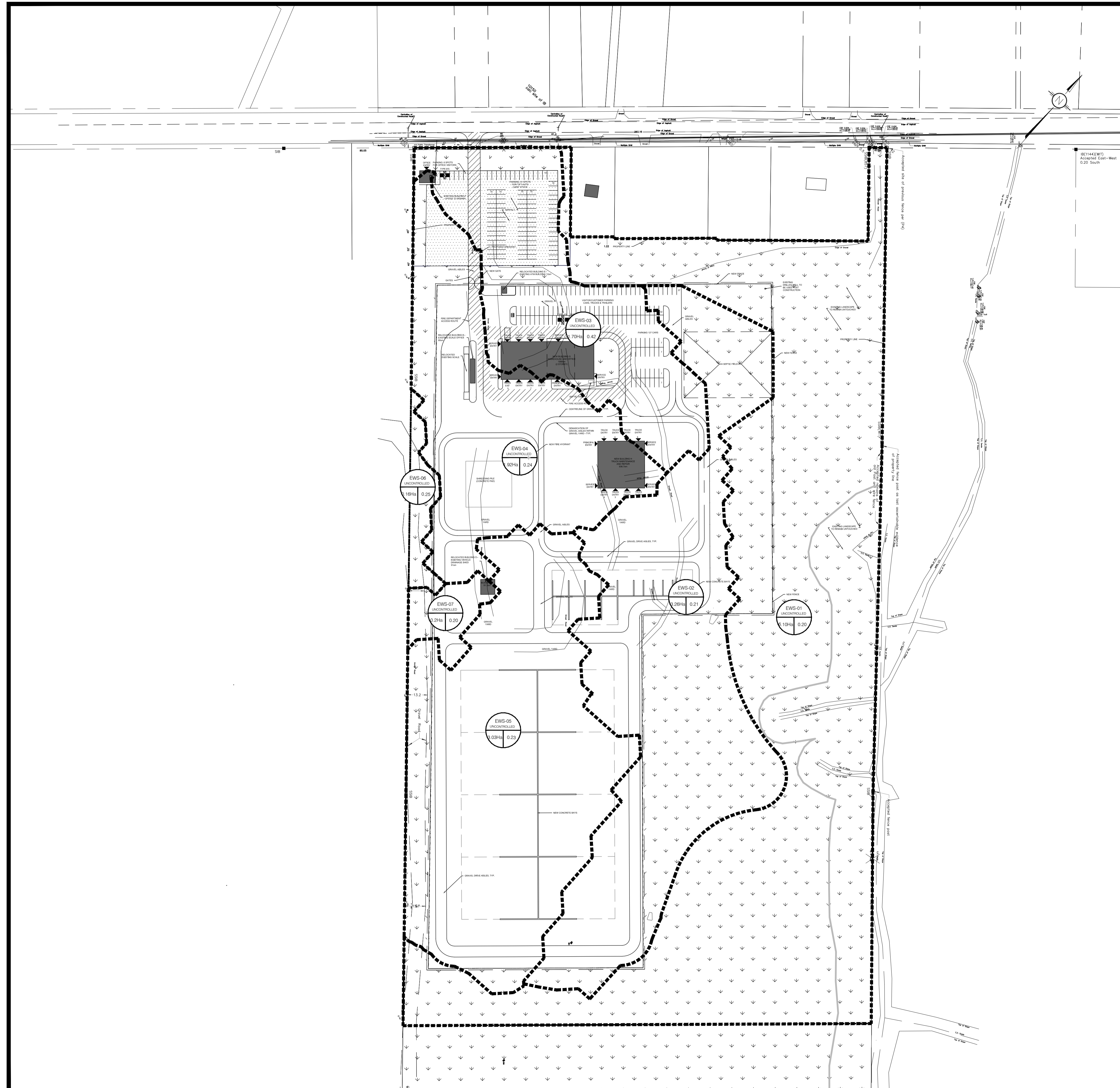
C601

PROPOSED PIPE OUTLET
W/ RODENT GRATE & INLINE
CHECK VALVE
OUTLET INV = 125.41
RIP-RAP AT OUTLET AS PER
OPSD 810.010

PROPOSED STORMCEPTOR EFO12
STORMWATER TREATMENT UNIT
(OR APPROVED EQUIVALENT)
T/G = 126.78
NW INV = 125.46
NE INV = 125.43

100 YEAR HWL = 126.20
100 YEAR Q = 359.82 L/s
MAX PONDING DEPTH = 0.70m
STORAGE = 4511m³

5 YEAR HWL = 125.85
5 YEAR Q = 359.82 L/s
MAX PONDING DEPTH = 0.35m
STORAGE = 1369m³



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED GRASS SWALE
- PROPOSED TERRACING (3:1 MIN.)
- PROPOSED SILT FENCE AS PER OPSD 219.110
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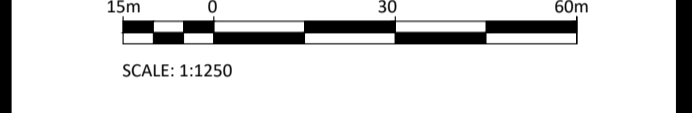
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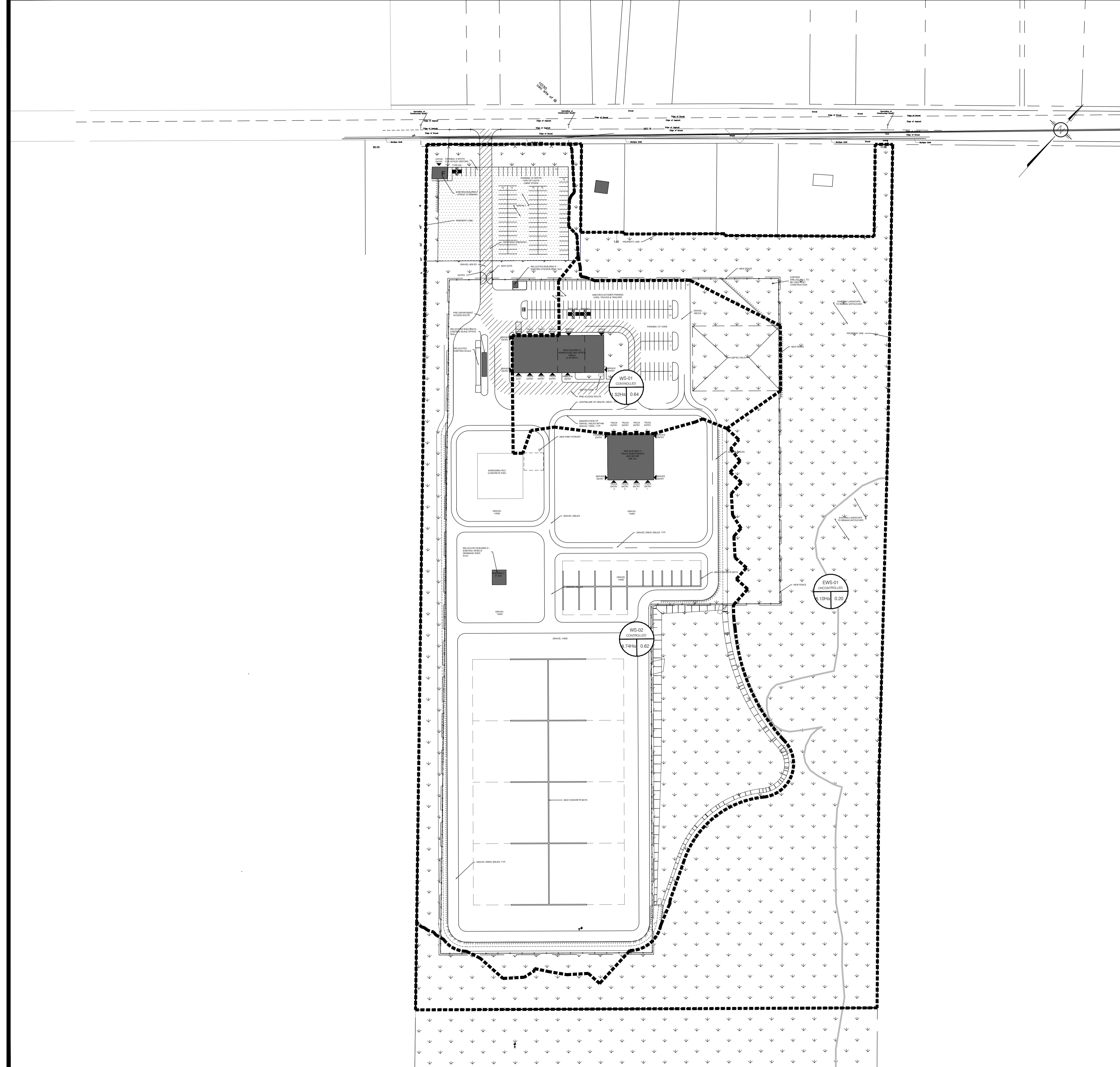
PROJECT
**CASH FOR TRASH - 7628 FLEWELLYN ROAD
OTTAWA, ON**

DRAWING TITLE
**PRE-DEVELOPMENT
WATERSHED PLAN**

PROJECT NO.
210092

DATE
JANUARY 2024

C701



LEGEND:

- EXISTING PROPERTY LINE TO REMAIN
- PROPOSED GRASS SWALE
- PROPOSED TERRACING (3:1 MIN.)
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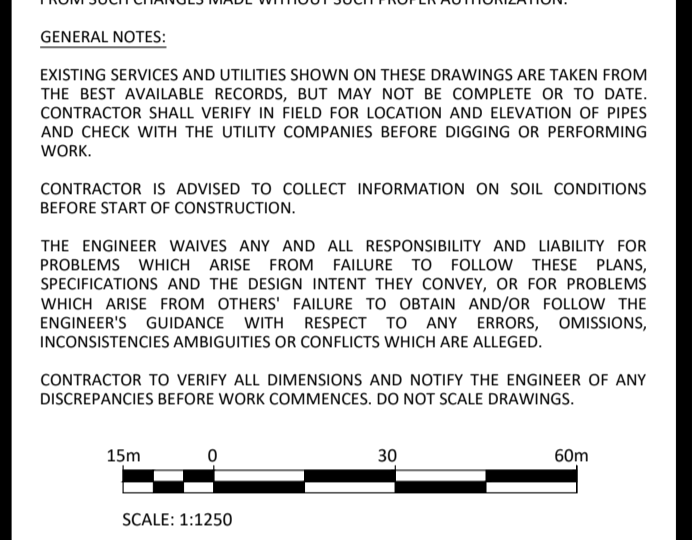
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LRL
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www.lrl.ca | (613) 842-3434

CLIENT
CASH FOR TRASH CANADA

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT
**CASH FOR TRASH - 7628 FLEWELLYN ROAD
OTTAWA, ON**

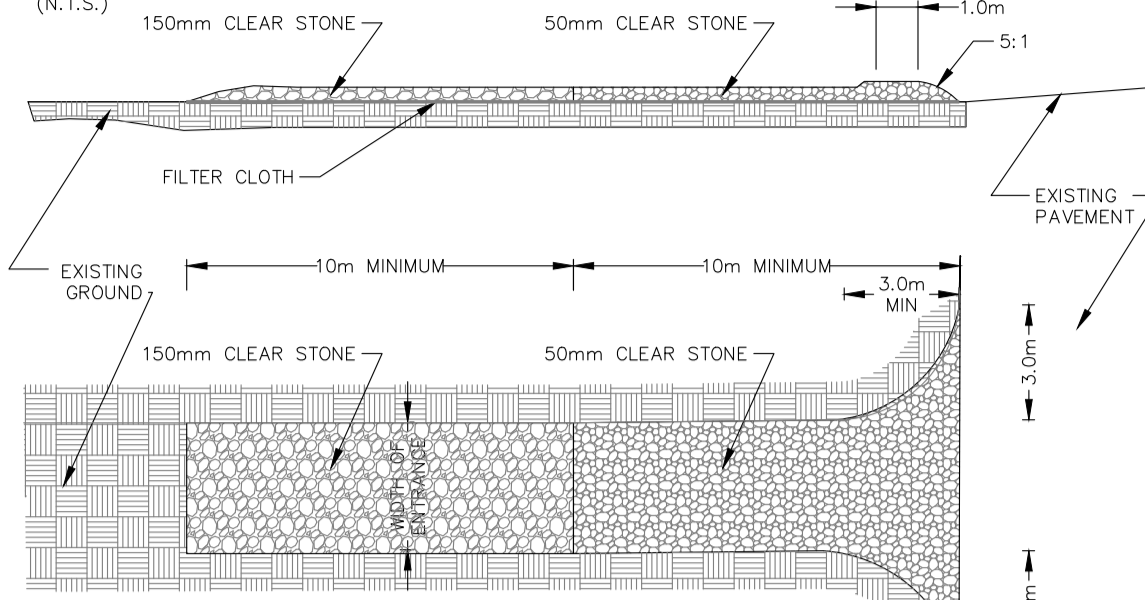
DRAWING TITLE
**POST-DEVELOPMENT
WATERSHED PLAN**

PROJECT NO.
210092

DATE
JANUARY 2024

C702

STONE MUD MAT DETAIL
(N.T.S.)



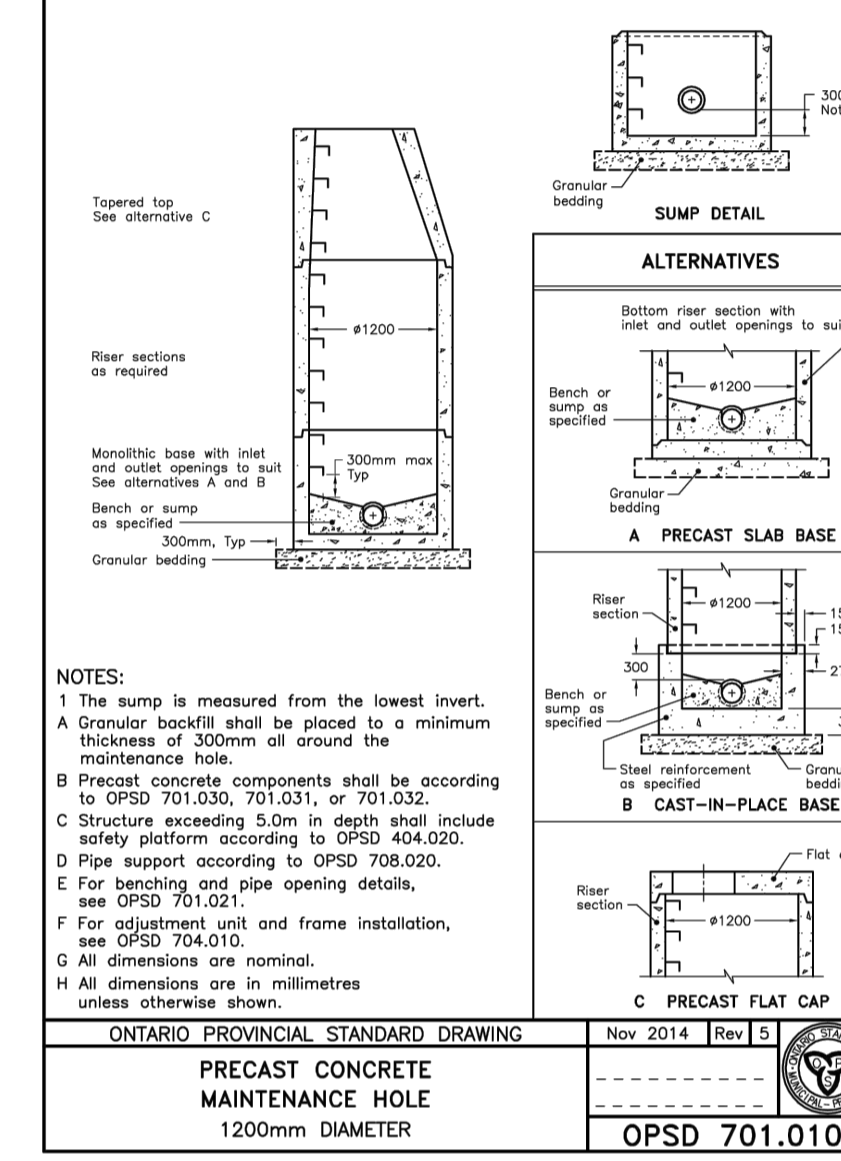
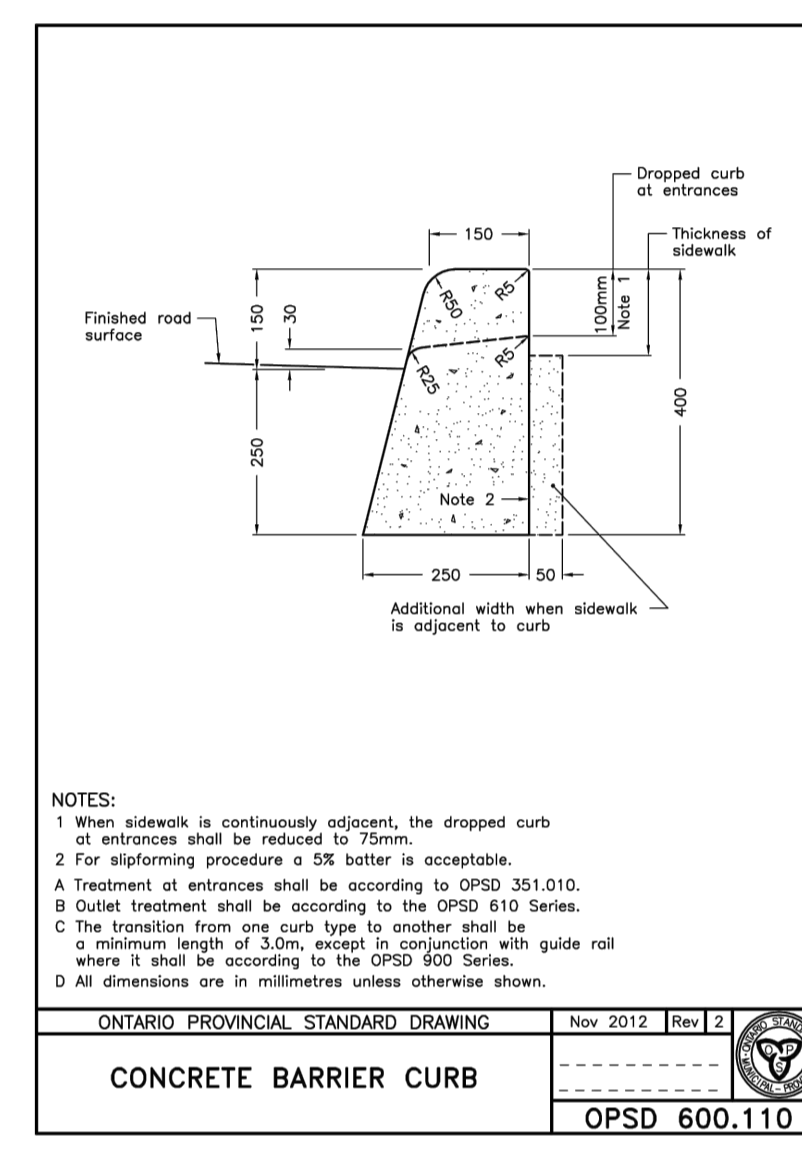
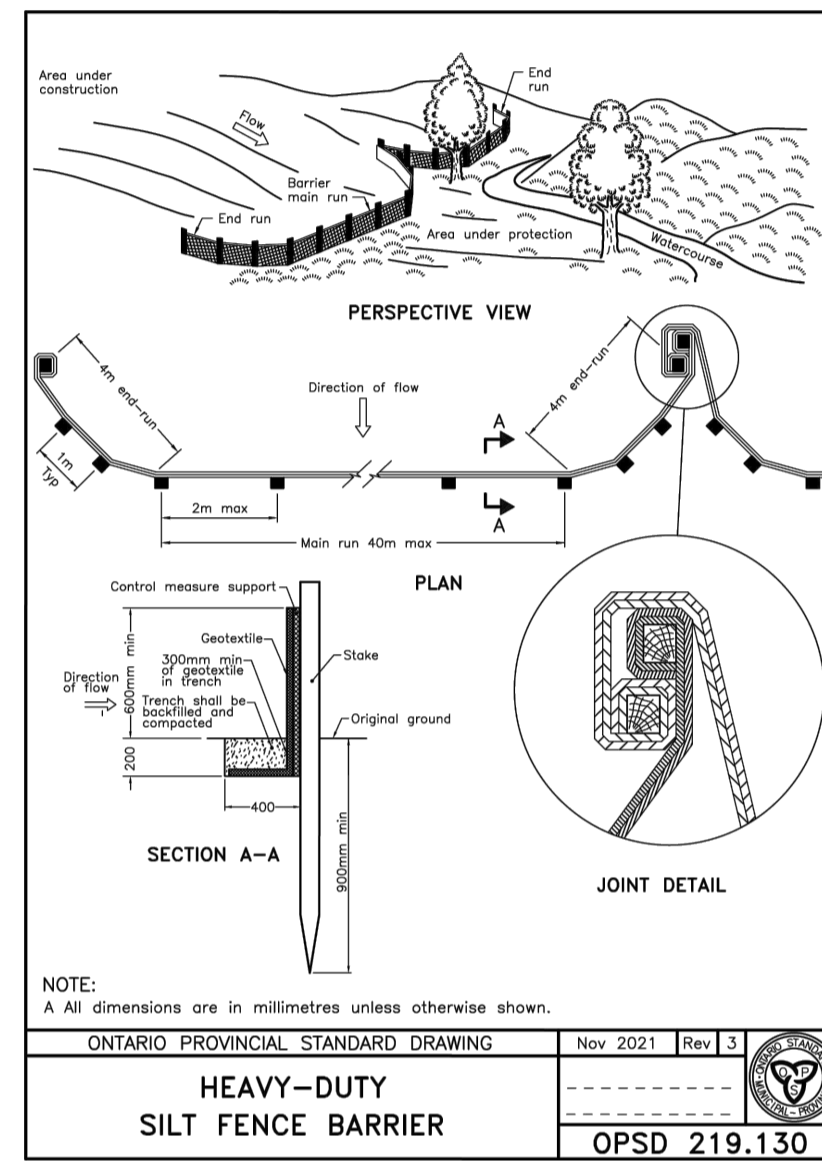
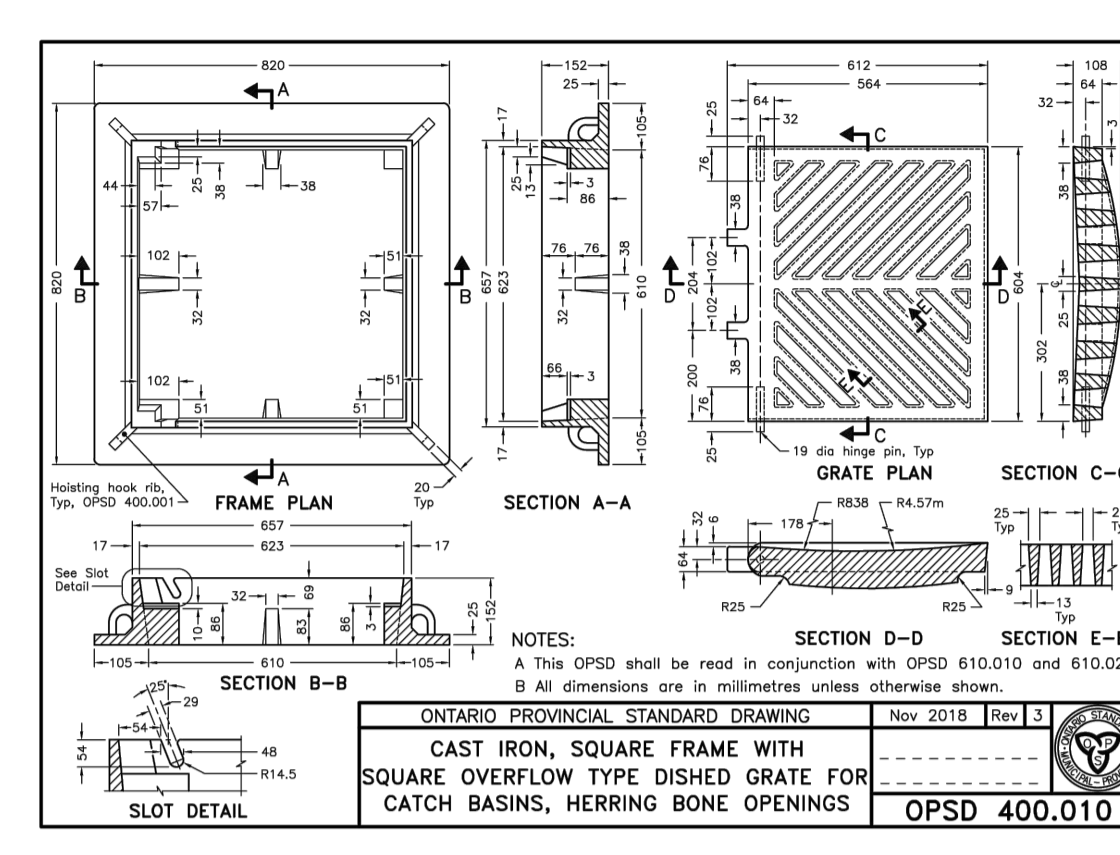
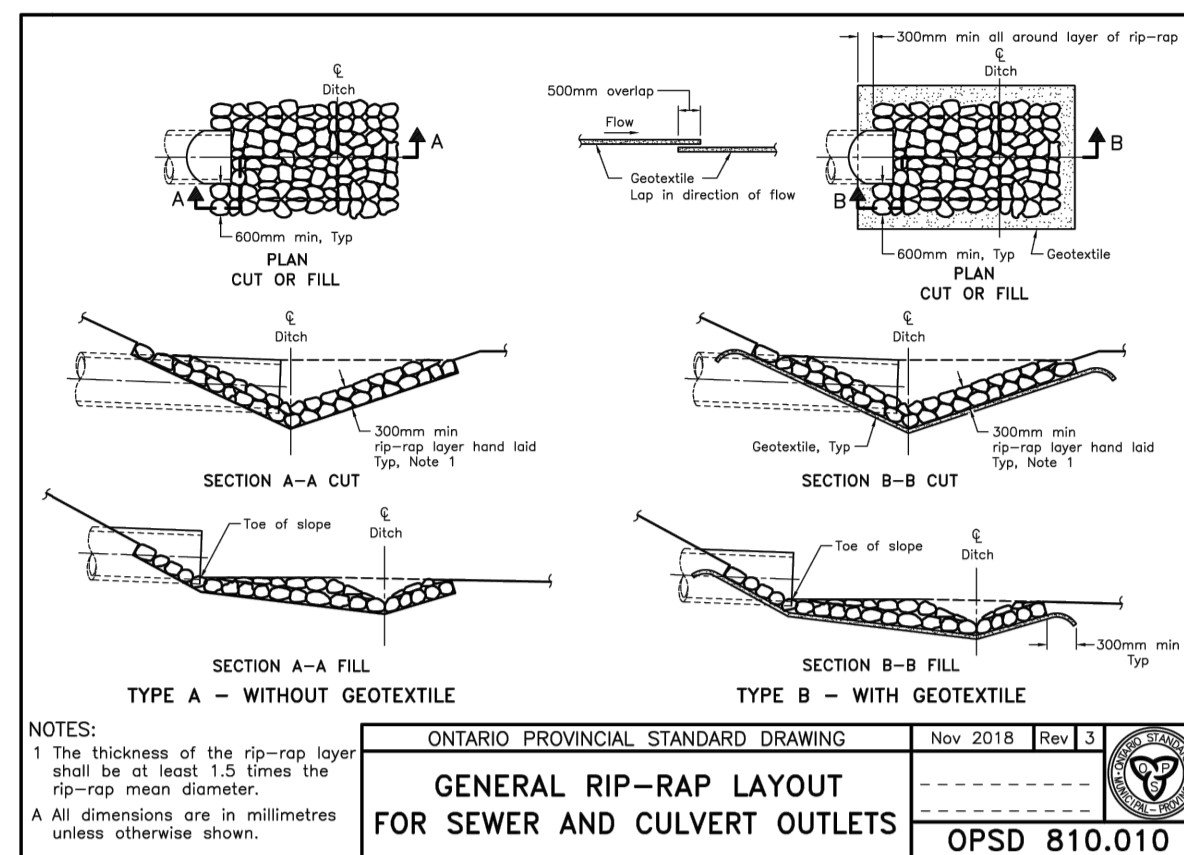
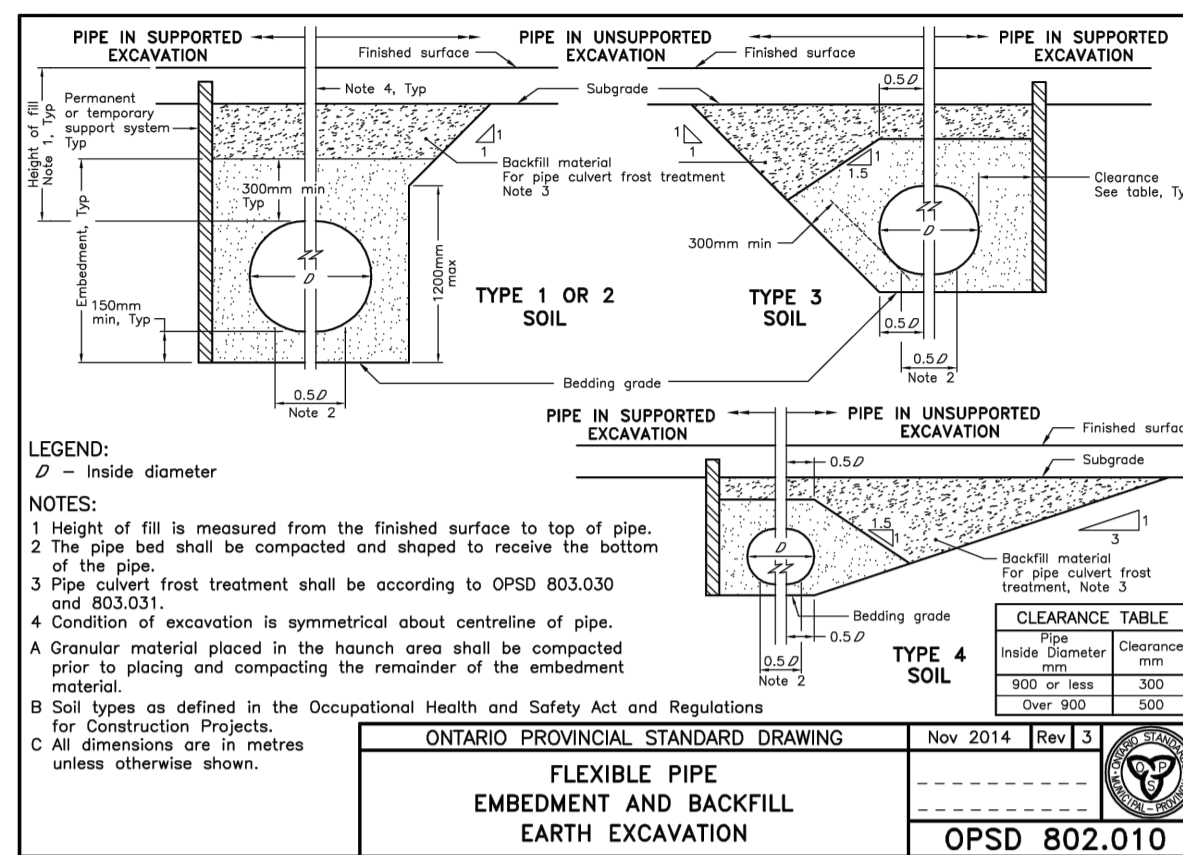
- CONSTRUCTION REQUIREMENTS:**
- STONE MAT MUST BE NOT LESS THAN 20 METRES IN LENGTH AND THE FULL WIDTH OF THE ENTRANCE.
 - THE MAT SHOULD BE A MINIMUM OF 300 MM THICK, BUT 450MM THICKNESS IS RECOMMENDED.
 - THE PAD MUST BE UNDERLAIN WITH A GEOTEXTILE AND CONSIST OF 50 MM DIAMETER CLEAR STONE (OR RECYCLED CONCRETES) FOR THE FIRST 10 METRES EXTENDING FROM THE STREET AND THE REMAINDER OF THE LENGTH TO CONSIST OF 150 MM DIAMETER CLEAR STONE.
 - IF THE ACCESS CROSSES A CULVERT OR DITCH, SEDIMENT FENCING OR APPROVED EQUIVALENT SHOULD BE INSTALLED ALONG THE EDGES OF THE ACCESS TO PREVENT SEDIMENT FROM BEING WASHED AWAY WITH RUNOFF. ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE RIPPED ACROSS THE ENTRANCE. IF RIPPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

- INSTALLATION & MAINTENANCE REQUIREMENTS:**
- CONTRACTOR WILL REPLACE GRANULAR MATERIAL BY TOP DRESSING OR COMPLETE REPLACEMENT AS REQUIRED WHEN IT BECOMES CONTAMINATED BY VEHICLE TRAFFIC.
 - SEDIMENT SHALL BE CLEANED FROM ADJACENT ROADS AT THE END OF EACH DAY; SILTATION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH RAIN.
 - SEDIMENT SHALL BE REMOVED FROM PUBLIC ROADS BY SHOVELING OR SHEEPING AND DISPOSED OF PROPERLY IN A CONTROLLED SEDIMENT DISPOSAL AREA.
 - STORM INLETS BOTH ON AND IN PROXIMITY OF THE SITE SHALL BE PROTECTED WITH INLET CONTROL MEASURES PRIOR TO SITE DEVELOPMENT AND ROAD CLEANING ACTIVITIES.

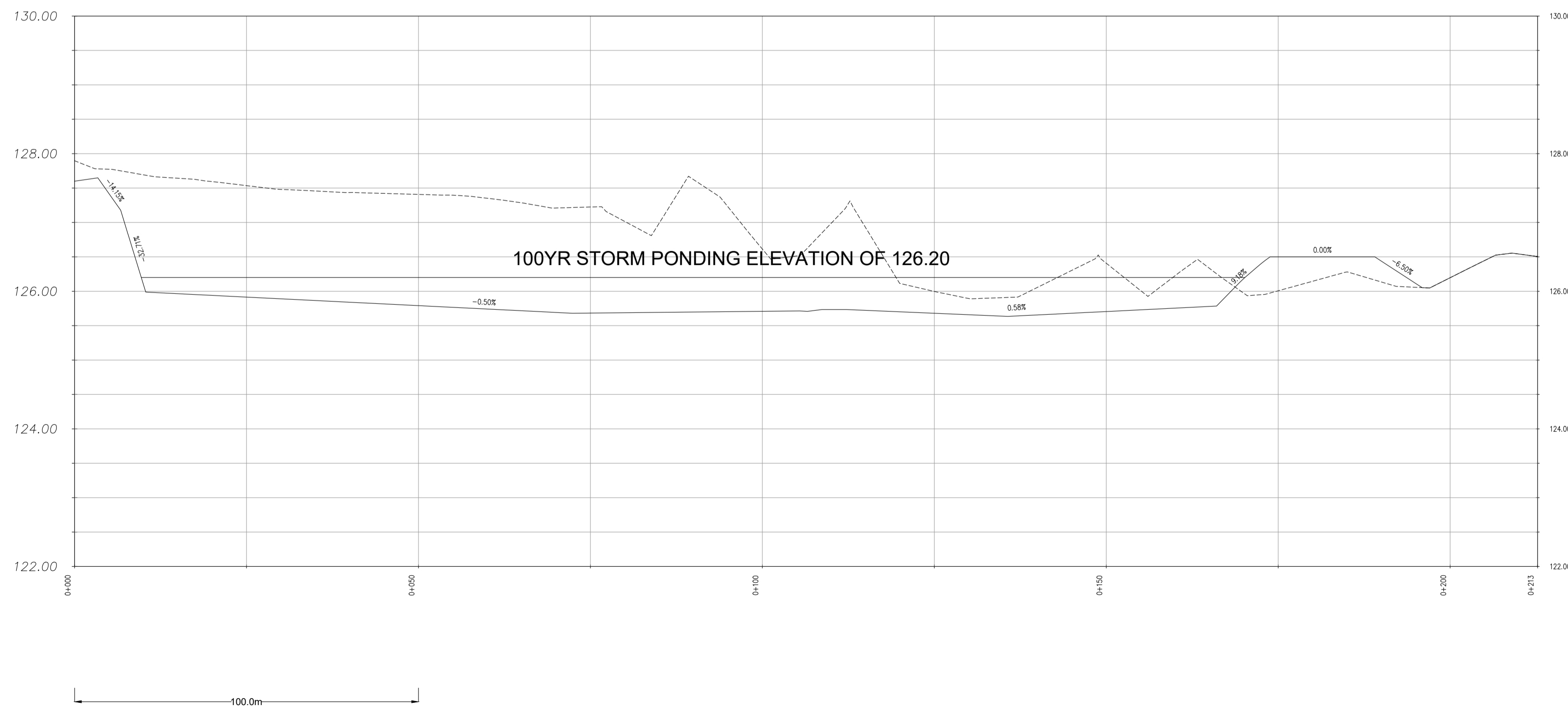
- NOTES:**
- IN THE EVENT THAT THE MUD MAT AS CONSTRUCTED IS DEEMED TO NOT PROVIDE ADEQUATE PROTECTION, ADDITIONAL MEASURES SUCH AS WHEEL WASHING SYSTEMS MAY BE REQUIRED, IN ADDITION TO THE MUD MAT, TO ENSURE SEDIMENT FROM A CONSTRUCTION SITE WILL NOT BE TRANSPORTED OFF THE SITE VIA THE EXITING CONSTRUCTION VEHICLES.
 - WHERE SITE CONSTRAINTS PROHIBIT CONSTRUCTION OF A MUD MAT, AN APPROVED WHEEL WASHING SYSTEM IS REQUIRED TO PREVENT SEDIMENT FROM BEING TRANSPORTED OFF THE SITE.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

Recommended Pavement Structure - Car Only Parking Areas	
Thickness (mm)	Material Description
50	Wear Course - HL-3 or Superpave 12.5 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
300	SUBBASE - OPSS Granular B Type II
SUBGRADE - Either fill, in situ soil or OPSS Granular B Type I or II material placed over in situ soil or bedrock	

Recommended Pavement Structure - Access Lanes and Heavy Truck Parking Areas	
Thickness (mm)	Material Description
40	Wear Course - HL-3 or Superpave 12.5 Asphaltic Concrete
50	Binder Course - HL-8 or Superpave 19.0 Asphaltic Concrete
150	BASE - OPSS Granular A Crushed Stone
400	SUBBASE - OPSS Granular B Type II
SUBGRADE - Either fill, in situ soil, or OPSS Granular B Type I or II material placed over in situ soil or bedrock.	



POND PROFILE STA. 0+000 TO 0+213



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HORIZONTAL
10m 5 0 10 20m
SCALE: 1:500

VERTICAL
1m 0.5 0 1 2m
SCALE: 1:50

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CLIENT
CASH FOR TRASH CANADA

DESIGNED BY: M.L. DRAWN BY: M.L. APPROVED BY: V.J.

PROJECT
CASH FOR TRASH - 7628 FLEWELLYN ROAD OTTAWA, ON

DRAWING TITLE
CONSTRUCTION DETAIL PLAN

PROJECT NO.
210092

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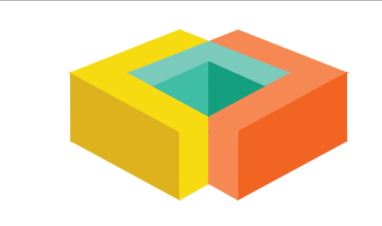
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