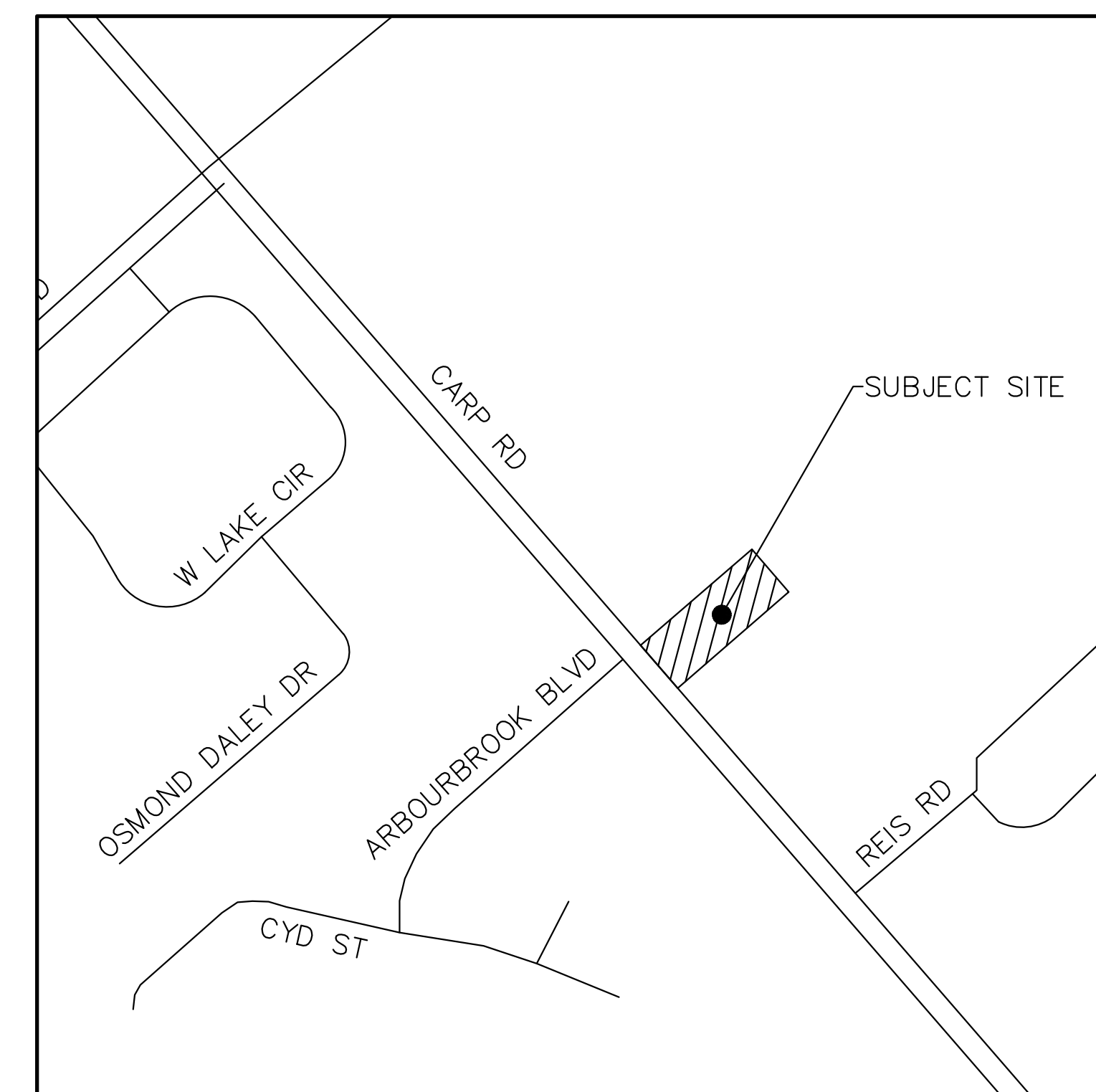


**MULTI-TENANT COMMERCIAL DEVELOPMENT
2822 CARP RD, CARP
CITY OF OTTAWA**

DRAWING LIST

ND-1	NOTES AND DETAILS
SGS-1	SITE GRADING AND SERVICING PLAN
STM-1	PRE-DEVELOPMENT STORM CATCHMENT PLAN
STM-2	POST-DEVELOPMENT STORM CATCHMENT PLAN
EP-1	EROSION AND SEDIMENT CONTROL PLAN



CITY OF OTTAWA
110 LAURIER AVE W
OTTAWA, ONTARIO
K1P 1J1

ARGUE CONSTRUCTION LTD.
2900 CARP RD
CARP, ONTARIO
K0A 1L0



PEARSON
ENGINEERING LTD.
PEARSONENG.COM PH. 705.719.4785

1. DRAWINGS

- A. THE NOTES ON THIS SHEET APPLY TO ALL WORKS UNDER THIS CONTRACT UNLESS OTHERWISE NOTED ON THE SPECIFIC DETAIL DWGS.
- B. THE STANDARD DRAWINGS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS, (OPSS) AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) CONSTITUTE PART OF THE PLANS OF THIS CONTRACT.
- C. THE STANDARD DRAWINGS INCLUDED WITH THESE PLANS ARE PROVIDED FOR CONVENIENCE ONLY AND ARE NOT TO BE CONSTRUED TO BE A COMPLETE SET FOR THE PURPOSE OF THE CONTRACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL RELEVANT STANDARD DRAWINGS AND SPECIFICATIONS AS REQUIRED FOR THIS CONTRACT.

2. MEASUREMENTS

- A. ALL DIMENSIONS ARE IN METRES, EXCEPT PIPE DIAMETERS, WHICH ARE IN MILLIMETRES, UNLESS SPECIFIED OTHERWISE.
- B. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION, AND ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.

3. GENERAL

- A. EXISTING SERVICES AND UTILITIES SHOWN ON THESE CONTRACT DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE AND THEIR LOCATIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE WISHES WITH THE UNDERSTANDING THAT THE OWNER DISCLAIMS ALL RESPONSIBILITY FOR ITS ACCURACY AND/OR SUFFICIENCY. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- B. NATIVE MATERIAL, SUITABLE FOR BACKFILL, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- C. GRANULAR MATERIAL, USED FOR BACKFILL, SHALL BE PLACED IN LAYERS 150mm IN DEPTH MAXIMUM AND COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- D. ALL DISTURBED AREAS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER, AS DETERMINED BY THE ENGINEER. ALL GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING 200mm OF APPROVED TOPSOIL AND NURSERY SOD UNLESS NOTED OTHERWISE.

4. PAVEMENT

- A. THE PAVEMENT STRUCTURE SHALL CONSIST OF THE FOLLOWING (REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY GEMTEC FOR PAVEMENT STRUCTURE DETAILS):

LIGHT DUTY PARKING AREAS

- 60mm SUPERPAVE 12.5
- 150mm GRANULAR 'A' BASE
- 300mm GRANULAR 'B' TYPE II SUBBASE

HEAVY DUTY PARKING AREAS

- 40mm SUPERPAVE 12.5
- 60mm SUPERPAVE 19.0
- 150mm GRANULAR 'A' BASE
- 450mm GRANULAR 'B' TYPE II SUBBASE

REFERENCED FROM GEOTECHNICAL REPORT COMPLETED BY GEMTEC DATED OCTOBER 23, 2020

5. SEPTIC DESIGN NOTES:

DESIGN DAILY SEWAGE FLOW

CATEGORY	QUANTITY	FLOW
WATER CLOSETS	4	3800 L/DAY
FUEL OUTLET	0	0 L/DAY
VEHICLES SERVED*	8	160 L/DAY
TOTAL FLOW		Q = 3960 L/DAY

*ASSUME 2 CARS/BAY/DAY

SEPTIC SYSTEM

TYPE A DISPERSAL BED AS PER OBC 8.7.7.

SEPTIC TANK

MINIMUM SIZE OF SEPTIC TANK TO BE 21,510 L (O.B.C. 8.2.2.3.(1))
RECOMMENDED SIZE OF SEPTIC TANK TO BE 23,000 L

REQ'D TYPE A DISPERSAL BED STONE AREA

A = Q/50 (O.B.C. 8.7.7.1.(6))
A = 3960 / 50
A = 79.2m²

PROVIDED AREA BED STONE AREA

A = 5.0m x 16.0m
A = 80.0m²

REQ'D SAND AREA OF TYPE A DISPERSAL BED

A = Q/1400 (O.B.C. 8.7.7.1.(5))
A = 3960 x 20 / 400
A = 198.0m²

PROVIDED SAND AREA OF TYPE A DISPERSAL BED

A = 378.0m²

- * GEO-TECHNICAL ENGINEER TO REVIEW TYPE A DISPERSAL BED AREA SUBGRADE PRIOR TO SEPTIC BED INSTALLATION
- PROPOSED SEPTIC BED SHALL HAVE A MINIMUM TOPSOIL COVER OF 150mm AND A MAXIMUM COVER OF 500mm
- TERTIARY TREATMENT REQUIRED

DISTRIBUTION PIPE

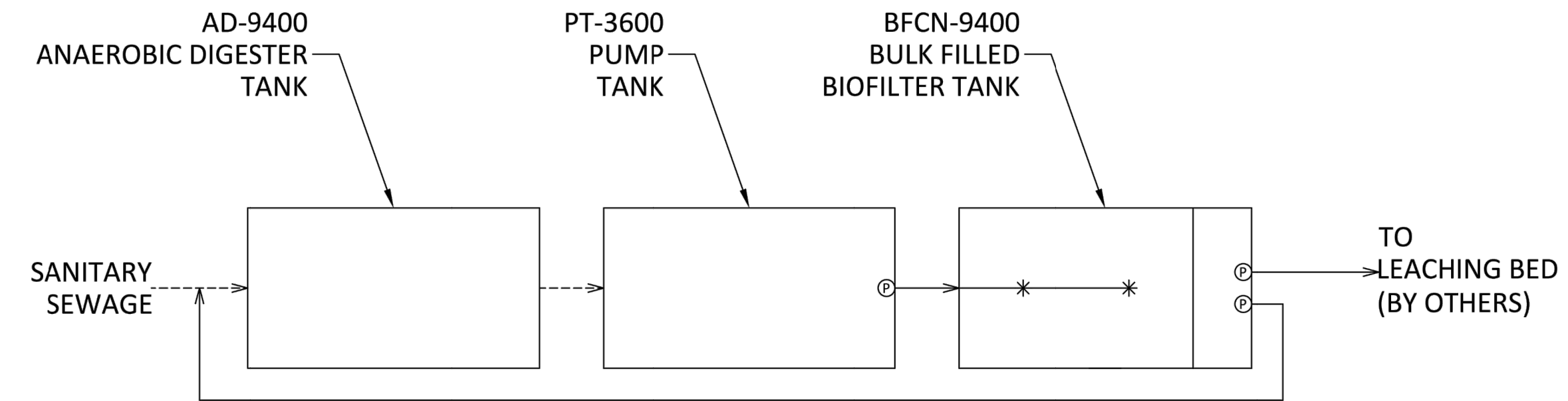
DISTRIBUTION PIPE TO BE INSTALLED WITHIN A LAYER OF STONE AS PER O.B.C. 8.7.3.3.(5), CONTRACTOR TO ENSURE THAT ALL TOPSOIL IS STRIPPED FROM SEPTIC BED AREA. ALL HEAVY EQUIPMENT TO BE KEPT OFF LEACHING BED AREA. BASE OF BED TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF DISTRIBUTION PIPING.

REINSTATEMENT:

ALL TOPSOIL FROM CONSTRUCTION AREAS TO BE STOCKPILED AND THEN REPLACED TO A MINIMUM DEPTH OF 150mm. SOD AND/OR SEED AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH LATEST EDITION OF THE ONTARIO BUILDING CODE (PART 8). ALL SURFACE DRAINAGE, FOOTING DRAINS, ROOF LEADERS AND SUMP PUMP DRAINS MUST BE DIRECTED AWAY FROM BED.

PROPOSED SEPTIC BED SHALL HAVE A CLEAN TOPSOIL COVER OF 300 mm. TOPSOIL IS TO HAVE A MINIMUM HYDRAULIC CONDUCTIVITY OF 0.01 m/d.

PRELIMINARY SCHEMATIC ONLY



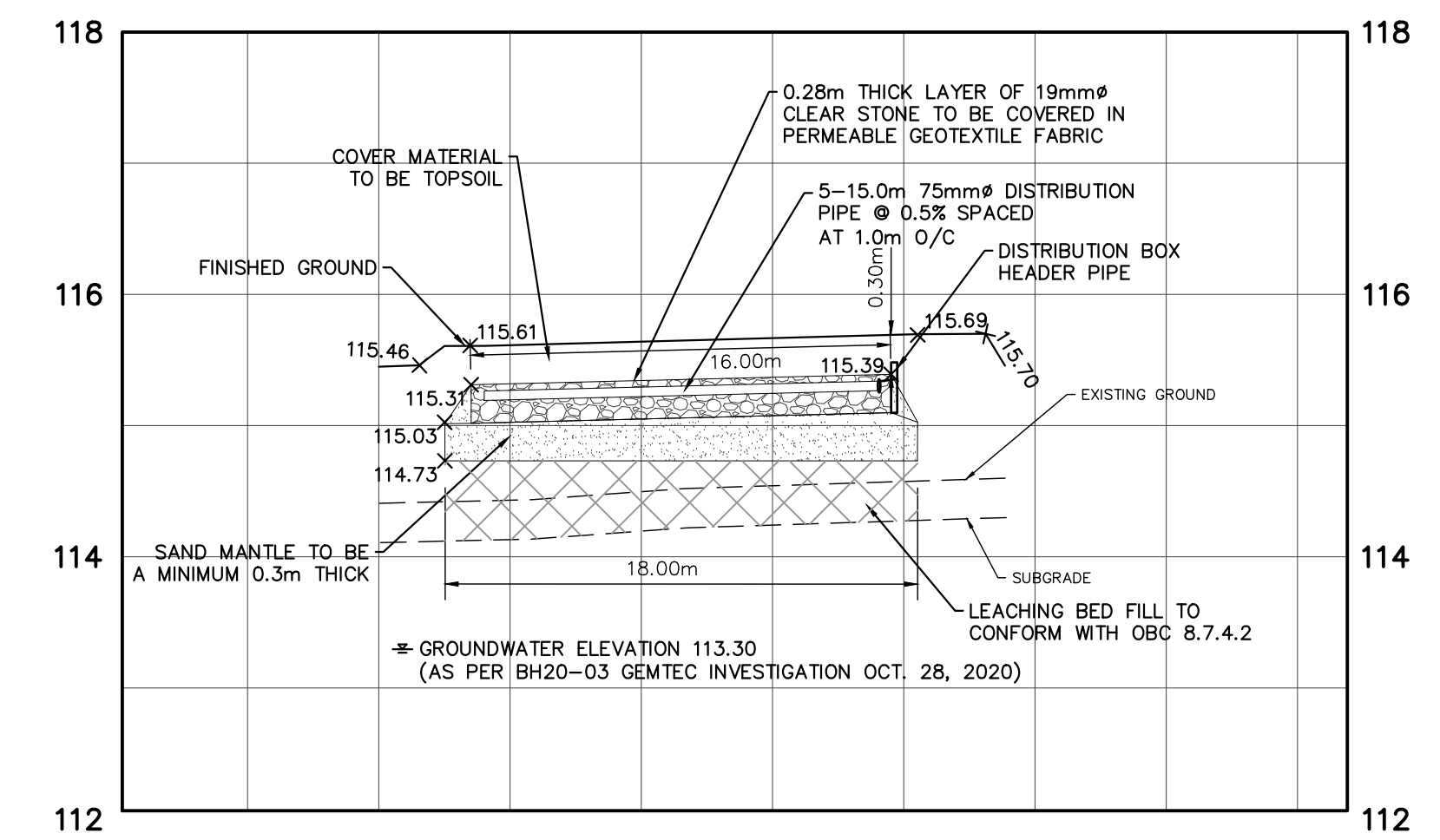
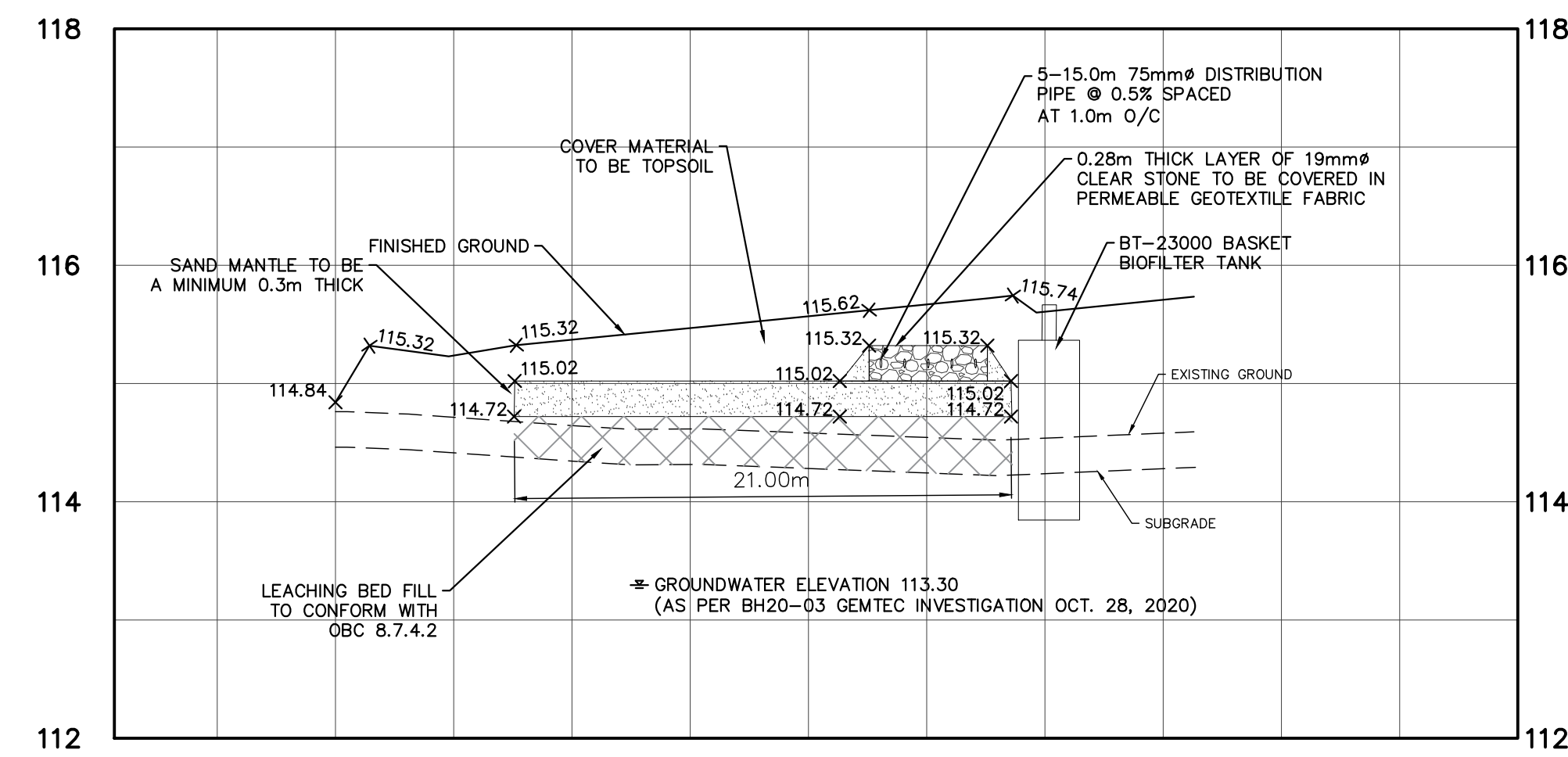
- NOTES:**
1. THIS IS A PRELIMINARY SCHEMATIC FOR A WATERLOO BIOFILTER SEWAGE TREATMENT SYSTEM. THIS IS FOR PLANNING PURPOSES ONLY AND IS NOT AN ENGINEERED DESIGN.
 2. THE PEAK SEWAGE FLOW FOR THIS FACILITY IS 3.910 L/bay. PEAK FLOWS ARE EXPECTED TO OCCUR INTERMITTENTLY.
 3. THE RAW SEWAGE IS EXPECTED TO HAVE THE FOLLOWING CHARACTERISTICS:
BOD = 190 mg/L
TSS = 210 mg/L
TKN = 50 mg/L
IT IS ALSO ASSUMED THAT THERE IS SUFFICIENT ALKALINITY FOR THOROUGH NITRIFICATION.
 4. WASTEWATER FROM THE FACILITY FLOWS BY GRAVITY INTO AN AD-9400 SINGLE COMPARTMENT ANAEROBIC DIGESTER TANK. THE INLET OF THE TANK IS EQUIPPED WITH AN INVERTIBLE. THE OUTLET IS EQUIPPED WITH AN EFFLUENT FILTER.
 5. THE ANAEROBIC DIGESTER TANK EFFLUENT FLOWS BY GRAVITY INTO A PT-3600 PUMP TANK. THE PUMP TANK IS EQUIPPED WITH A SUBMERSIBLE EFFLUENT PUMP (P) OPERATING ON A TIMER.
 6. THE PUMP IN THE PUMP TANK DOKES THE SEWAGE TO THE FIRST COMPARTMENT OF A DOUBLE COMPARTMENT BFCN-9400 BULK-FILLED BIOFILTER TANK. THE FIRST COMPARTMENT IS FILLED WITH BIOFILTER MEDIUM. THE SEWAGE IS EVENLY DISTRIBUTED OVER THE SURFACE OF THE MEDIUM AND TREATED AS IT TRICKLES THROUGH THE INTERIOR OF THE MEDIUM. A LOW VOLTAGE AIR FAN AND PASSIVE VENTING PROMOTES AEROBIC CONDITIONS. THE TANK IS EQUIPPED WITH A SUBMERSIBLE EFFLUENT PUMP (P) OPERATING ON A TIMER AND A SUBMERSIBLE EFFLUENT PUMP (P) OPERATING ON DEMAND.
 7. THE TIMER PUMP IN THE BULK-FILLED BIOFILTER TANK RECIRCULATES A PORTION OF THE EFFLUENT TO THE INLET OF THE ANAEROBIC DIGESTER TANK.
 8. THE DEMAND PUMP IN THE BULK-FILLED BIOFILTER TANK IS PUMPED TO A LEACHING BED (BY OTHERS).
 9. ALL PUMPS ARE RUN BY A WATERLOO SMART PANEL. THE WATERLOO SMART PANEL PROVIDES REMOTE MONITORING, CONTROL, AND DATA LOGGING OVER A STABLE WIRELESS CELLULAR NETWORK. THIS FUNCTIONALITY ALLOWS FOR REAL TIME OPERATIONAL ADJUSTMENTS TO OPTIMIZE SYSTEM PERFORMANCE. THE WATERLOO SMART PANEL ALSO IMMEDIATELY NOTIFIES THE SERVICE PROVIDER OF A PUMP FAILURE OR HIGH LEVEL ALARM, PROVIDING THEM WITH VITAL INFORMATION TO LIMIT SITE VISITS WHILE KEEPING THE SYSTEM OPERATING PROPERLY.
 10. BY ADHERING TO BEST MANAGEMENT PRACTICES (PROVIDING THE APPROPRIATE STRENGTH SEWAGE, PERFORMING ROUTINE MAINTENANCE, LIMITING TOXINS ENTERING THE SYSTEM) THE WATERLOO BIOFILTER TREATMENT SYSTEM OUTLINED IN THIS SCHEMATIC IS DESIGNED FOR THE FOLLOWING EFFLUENT OBJECTIVES:
eBOD = 10 mg/L
TSS = 10 mg/L
TOTAL NITROGEN ≥ 50% REMOVAL

Waterloo BIOFILTER
65 MASSEY ROAD SUITE C, GUELPH ON N1H 7M6
TEL: 519-835-0777 FAX: 519-835-0999
EMAIL: INFO@WATERLOO-BIOFILTER.COM

TITLE: PROCESS SCHEMATIC
PROJECT: 2822 CARP ROAD - OTTAWA
FOR: PEARSON ENGINEERING

PROJECT NUMBER	ISSUE NUMBER	CONVOLUTION	DATE
SHC-2020-0008	5/001/000	BCN	JANUARY 7, 2022

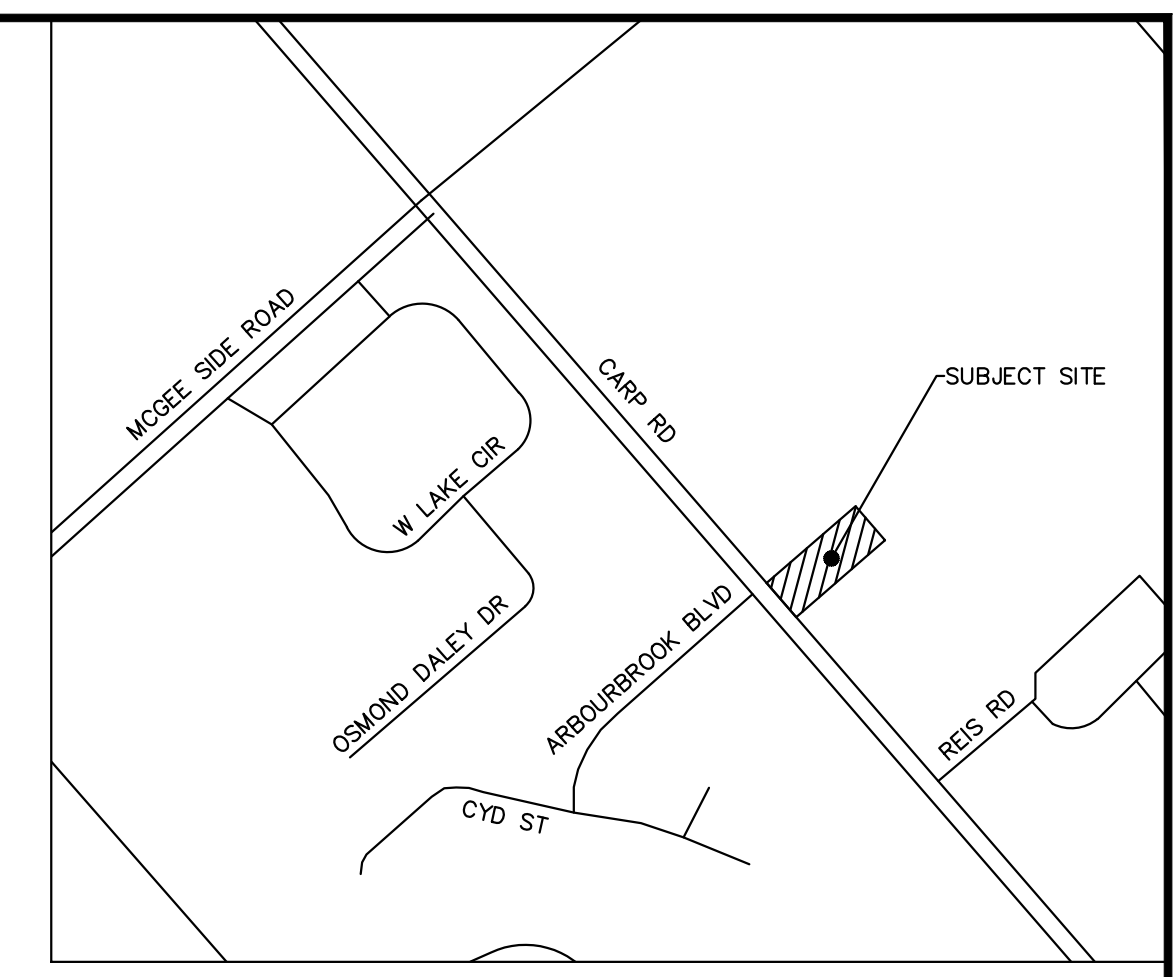
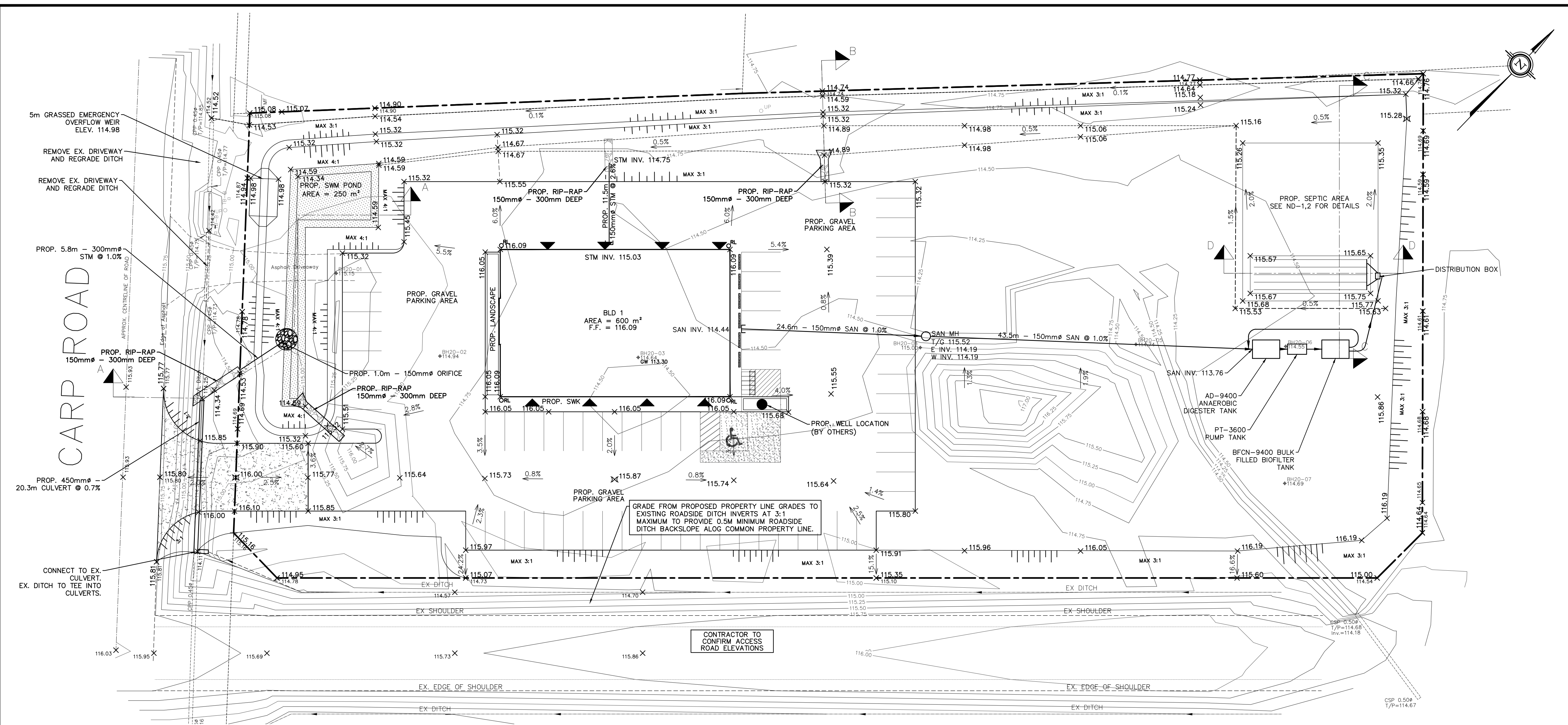
DRAWN BY	REVISION DATE	DISCHARGE	SCALE
B. STONE	N/A	LOADING BED	1:0/1



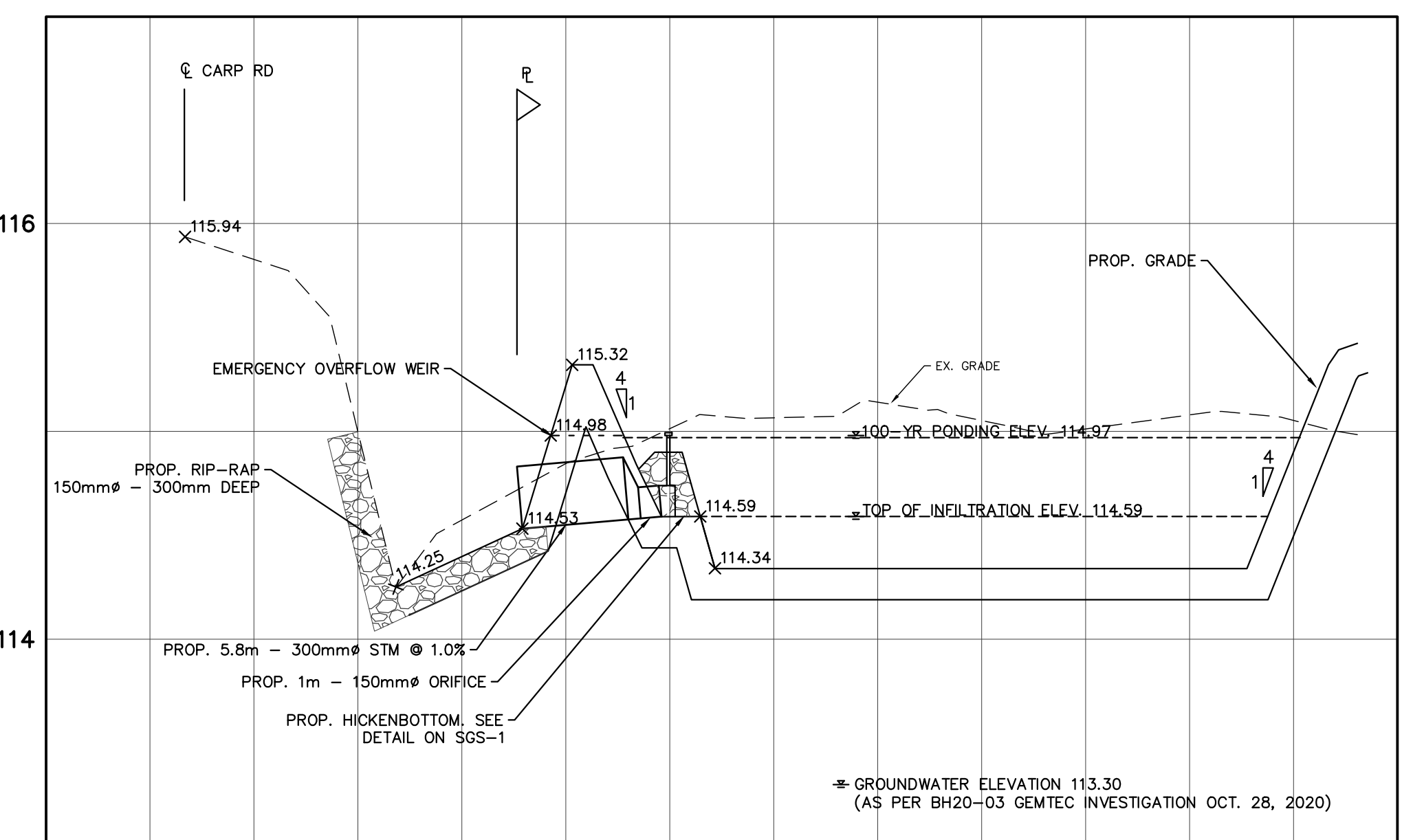
P:\AutoCAD\Working_Folders\19124 - Argue, 2822 Carp Rd, Corp, Engineering\Archive\19124 - BASE Submission_3.dwg Loyalt Jun 16, 2022 @ 4:24pm by nwellis @ PEARSON ENGINEERING LTD.

				BENCHMARK ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO BENCHMARK 68U001/CGVD28 GEODETIC DATUM.		MULTI-TENANT COMMERCIAL BLDGS 2822 CARP ROAD CITY OF OTTAWA																			
2.	UPDATED GRADING	06/16/22	NW	BEARINGS ARE GRID, DERIVED FROM THE SOUTHWESTERLY LIMIT OF PART 1 PLAN 4R-30382 SHOWN TO BE N41°38'40"W THERON AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)																					
1.	AS PER 1ST SUBMISSION COMMENTS	01/07/22	NW			NOTES AND DETAILS	<table border="1"> <tr> <td>DESIGNED BY</td> <td>NW/MWD</td> <td>HORIZ SCALE</td> <td>1:300</td> <td>PROJECT #</td> <td>19124</td> </tr> <tr> <td>DRAWN BY</td> <td>NW</td> <td>VERT SCALE</td> <td>N/A</td> <td>DRAWING #</td> <td>ND-1</td> </tr> <tr> <td>CHECKED BY</td> <td>GMP</td> <td>DATE</td> <td>SEPTEMBER 2020</td> <td>REVISION #</td> <td>2</td> </tr> </table>	DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #	19124	DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	ND-1	CHECKED BY	GMP	DATE	SEPTEMBER 2020	REVISION #	2
DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #				19124																	
DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	ND-1																				
CHECKED BY	GMP	DATE	SEPTEMBER 2020	REVISION #	2																				
NO.	REVISION NOTE	DATE	BY																						

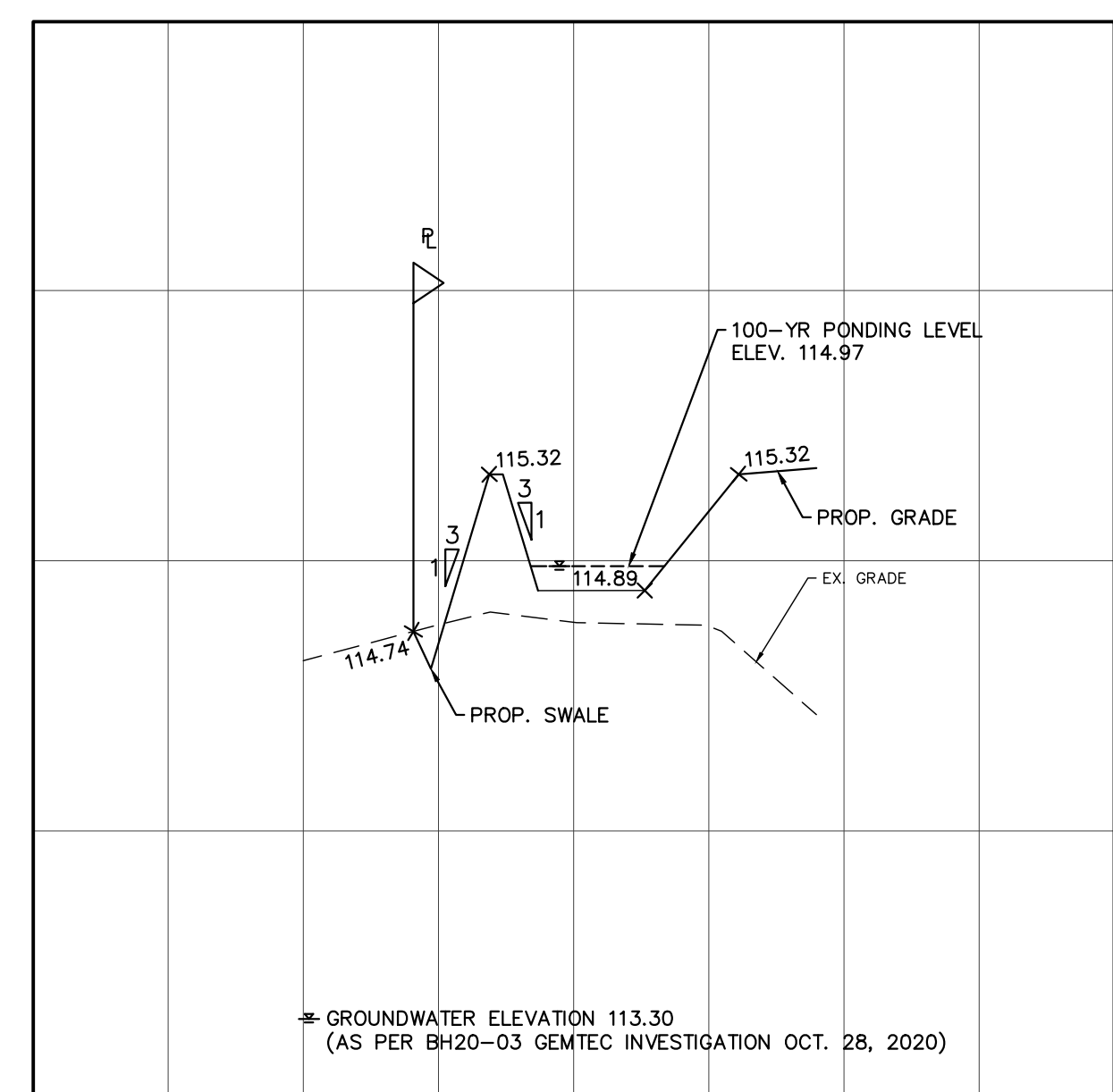
P:\AutoCAD\Working\Folders\19124 - Argue, 2822 Carp Rd, Corp.Engineering\Archive\19124 - BASE Submission 3.dwg Layout:SGS-1 Plotted Jun 16, 2022 @ 4:24pm by nvelis @ PEARSON ENGINEERING LTD.



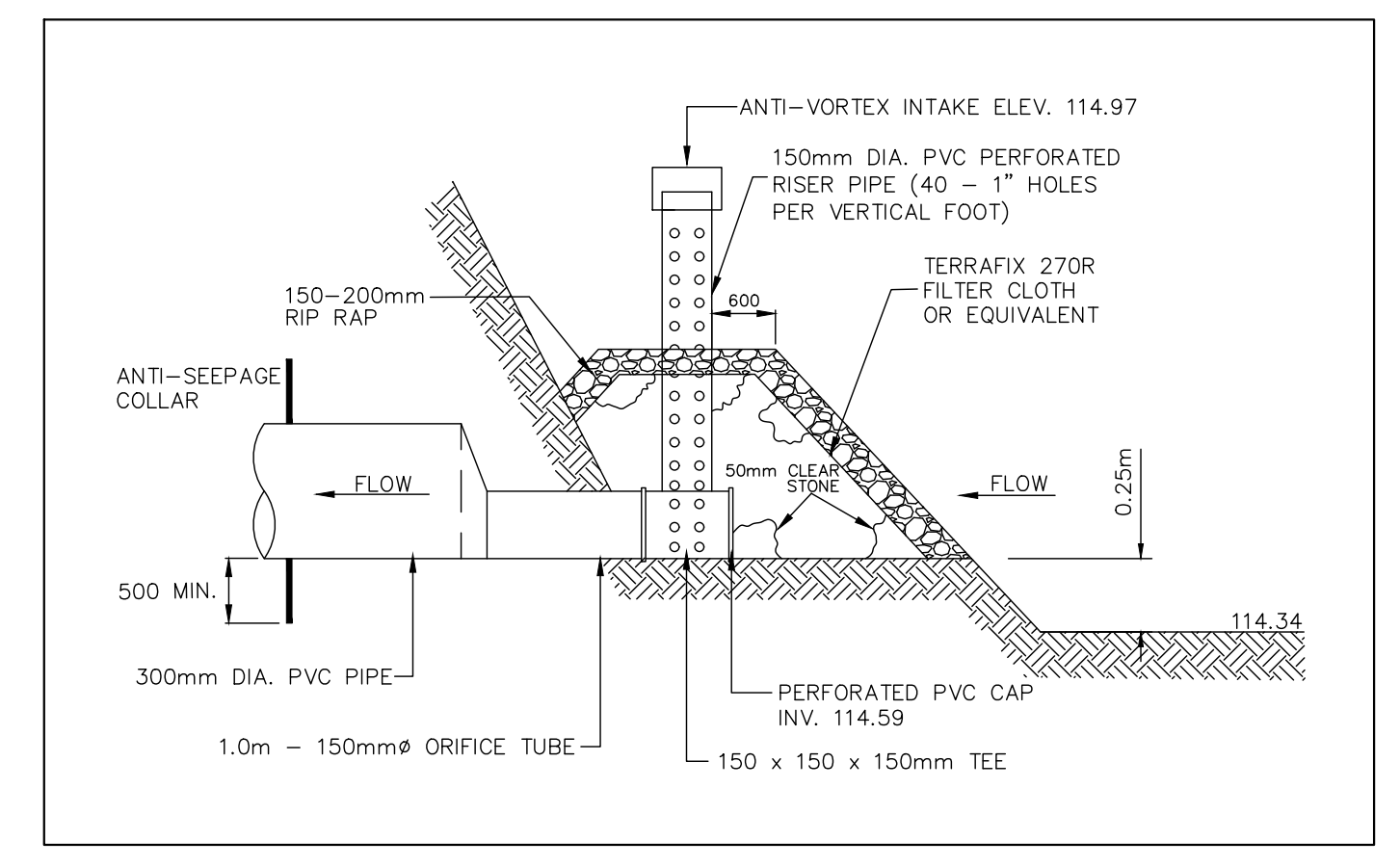
- LEGEND**
- MH SANITARY MANHOLE
 - × 254.63 PROPOSED ELEVATION
 - 254.09 EXISTING ELEVATION
 - 1.5% PROPOSED DIRECTION AND GRADE
 -) (HIGH POINT
 - BORE HOLE NUMBER
 - EX. GROUND ELEVATION
 - GROUNDWATER ELEVATION
 - INFILTRATION AREA
 - EXTENT OF ASPHALT DRIVEWAY
 - ROOF LEADER c/w SPLASH PAD



SECTION A-A
HORIZONTAL SCALE 1:250
VERTICAL SCALE 1:50



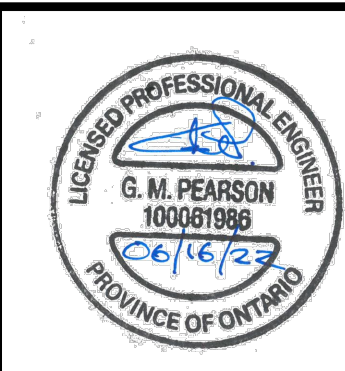
SECTION B-B
HORIZONTAL SCALE 1:250
VERTICAL SCALE 1:50



HICKENBOTTOM DETAIL
N.T.S.

NO.	REVISION NOTE	DATE	BY
2.	UPDATED GRADING	06/16/22	NW
1.	AS PER 1ST SUBMISSION COMMENTS	01/07/22	NW

BENCHMARK
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO BENCHMARK 68U001/CGVD28 GEODETIC DATUM.
BEARINGS ARE GRID, DERIVED FROM THE SOUTHWESTERLY LIMIT OF PART 1 PLAN 4R-30382 SHOWN TO BE N41°38'40"W THERON AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)



MULTI-TENANT COMMERCIAL BLDGS
2822 CARP ROAD
CITY OF OTTAWA

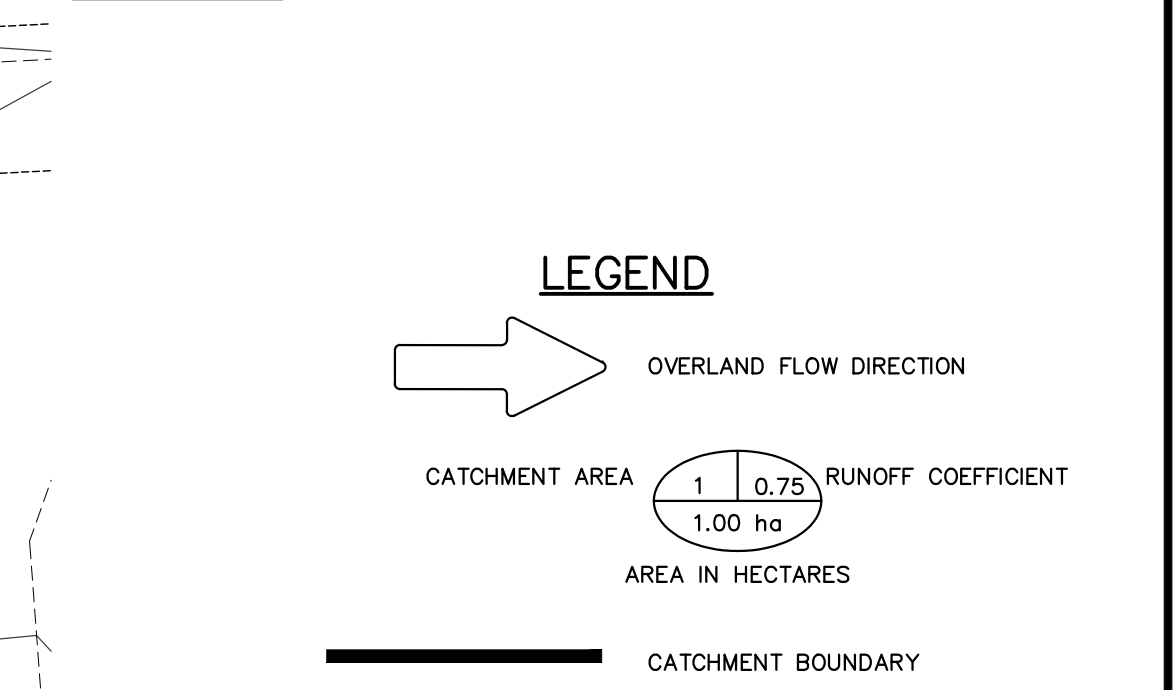
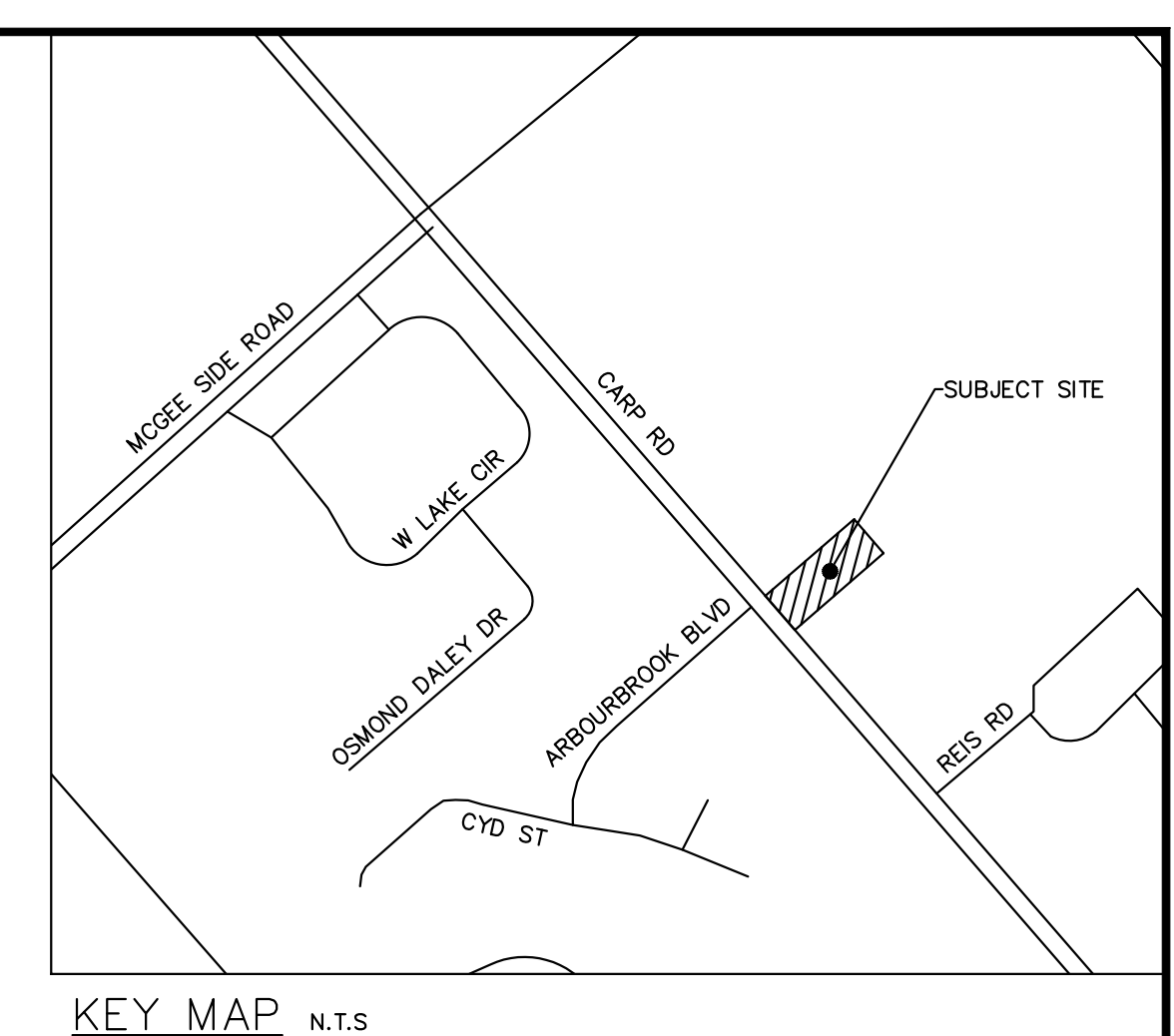
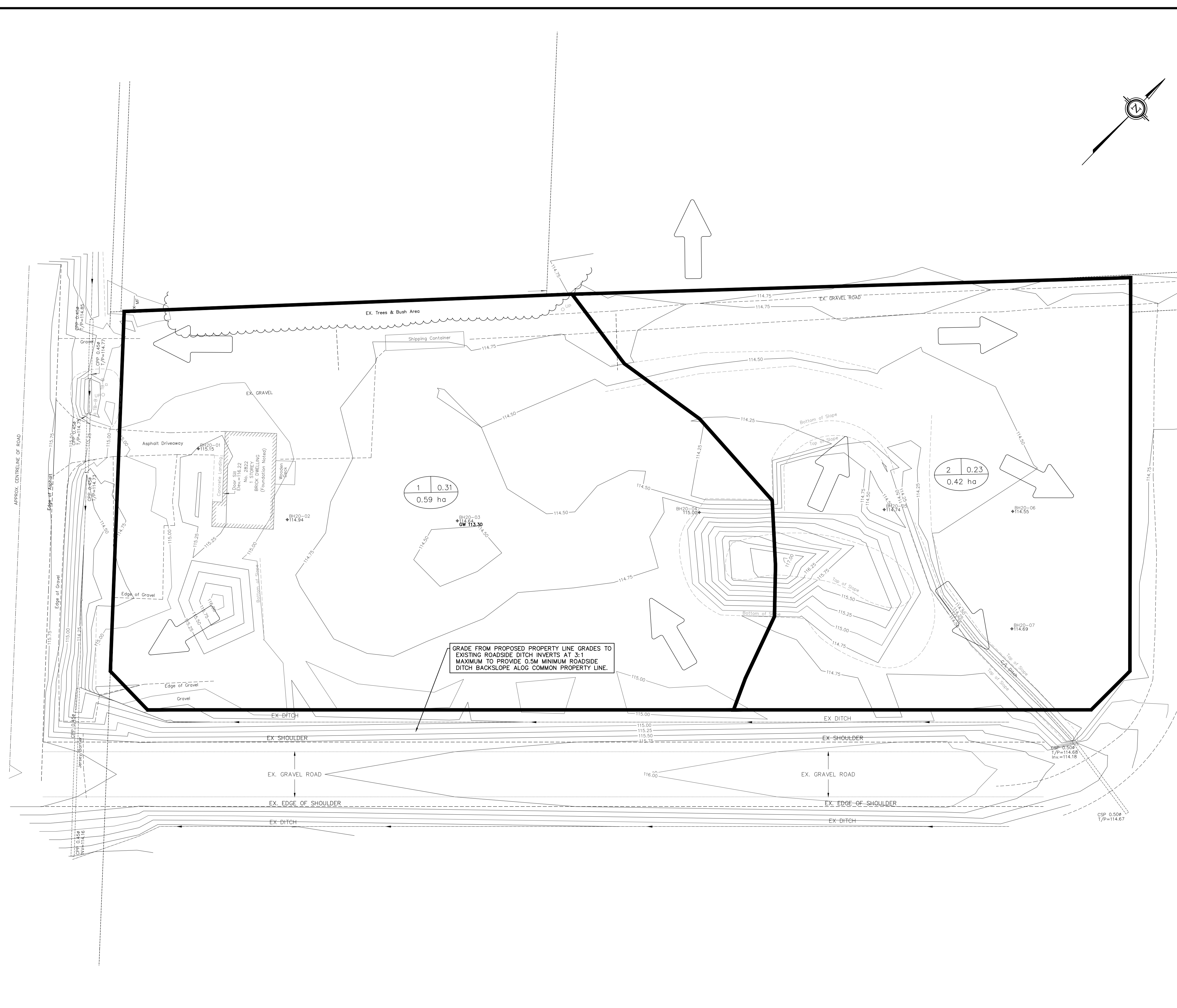
GRADING AND SERVICING PLAN

PEARSON ENGINEERING LTD.
PEARSONENG.COM PH. 705.719.4785

DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #	19124
DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	SGS-1
CHECKED BY	GMP	DATE	SEPTEMBER 2020	REVISION #	2

P:\A\localsek_Vault\Working_Folders\19124 - Argue_2822_Corp_Rd_Corp\Engineering_Archive\19124 - BASE Submission_3.dwg Layout:STM-1 Plotted Jun 16, 2022 @ 4:24pm by nvelts @ PEARSON ENGINEERING LTD.

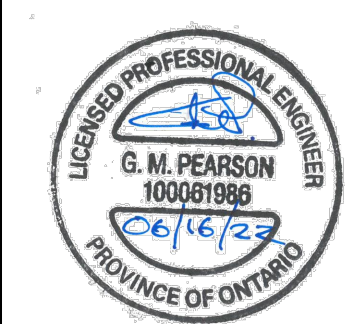
CARP ROAD



GRADE FROM PROPOSED PROPERTY LINE GRADES TO EXISTING ROADSIDE DITCH INVERTS AT 3:1 MAXIMUM TO PROVIDE 0.5M MINIMUM ROADSIDE DITCH BACKSLOPE ALOG COMMON PROPERTY LINE.

NO.	REVISION NOTE	DATE	BY
2.	UPDATED GRADING	06/16/22	NW
1.	AS PER 1ST SUBMISSION COMMENTS	01/07/22	NW

BENCHMARK
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO BENCHMARK 68U001/CGVD28 GEODETIC DATUM.
BEARINGS ARE GRID, DERIVED FROM THE SOUTHWESTERLY LIMIT OF PART 1 PLAN 4R-30382 SHOWN TO BE N41°38'40"W THERON AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)

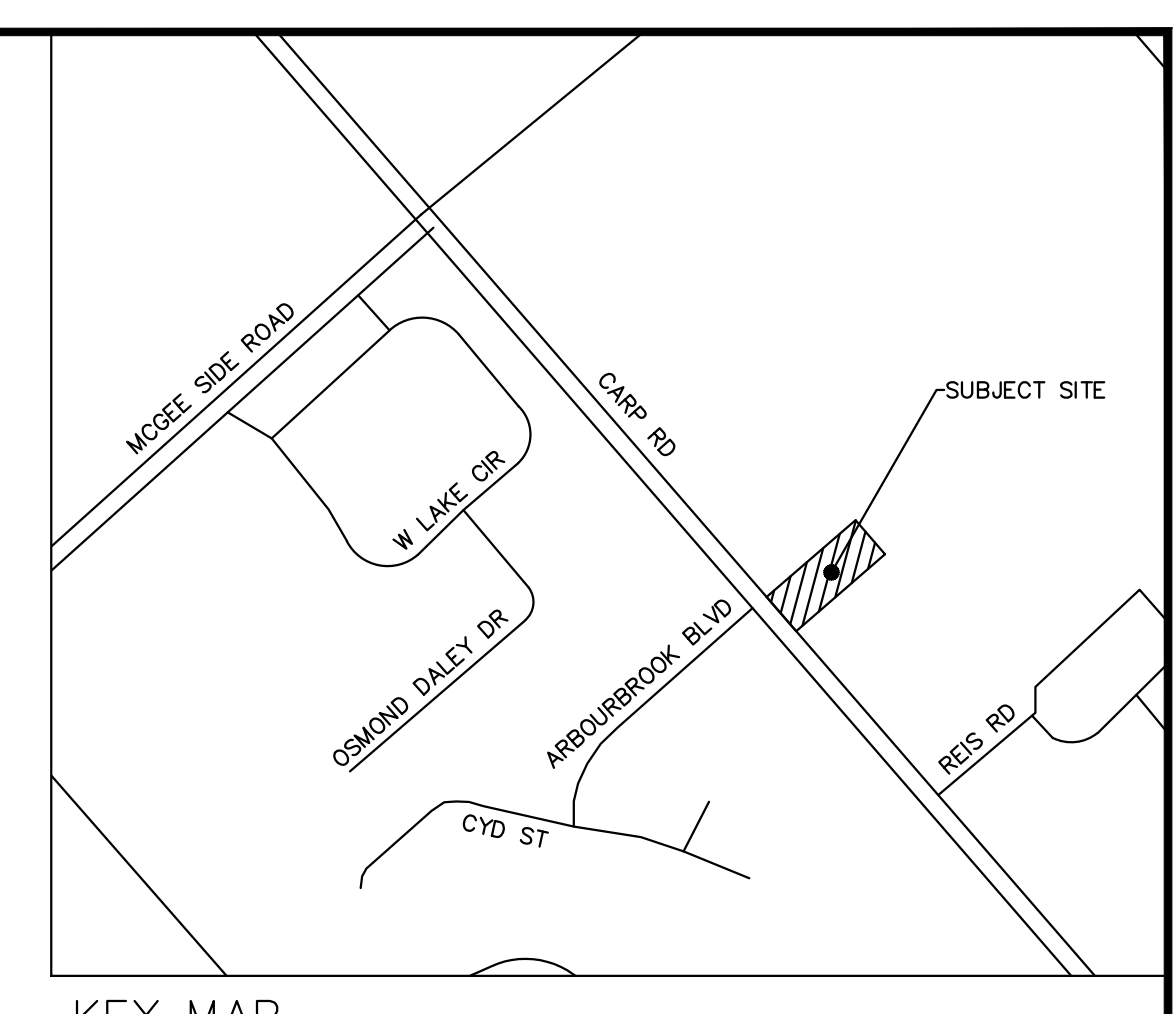
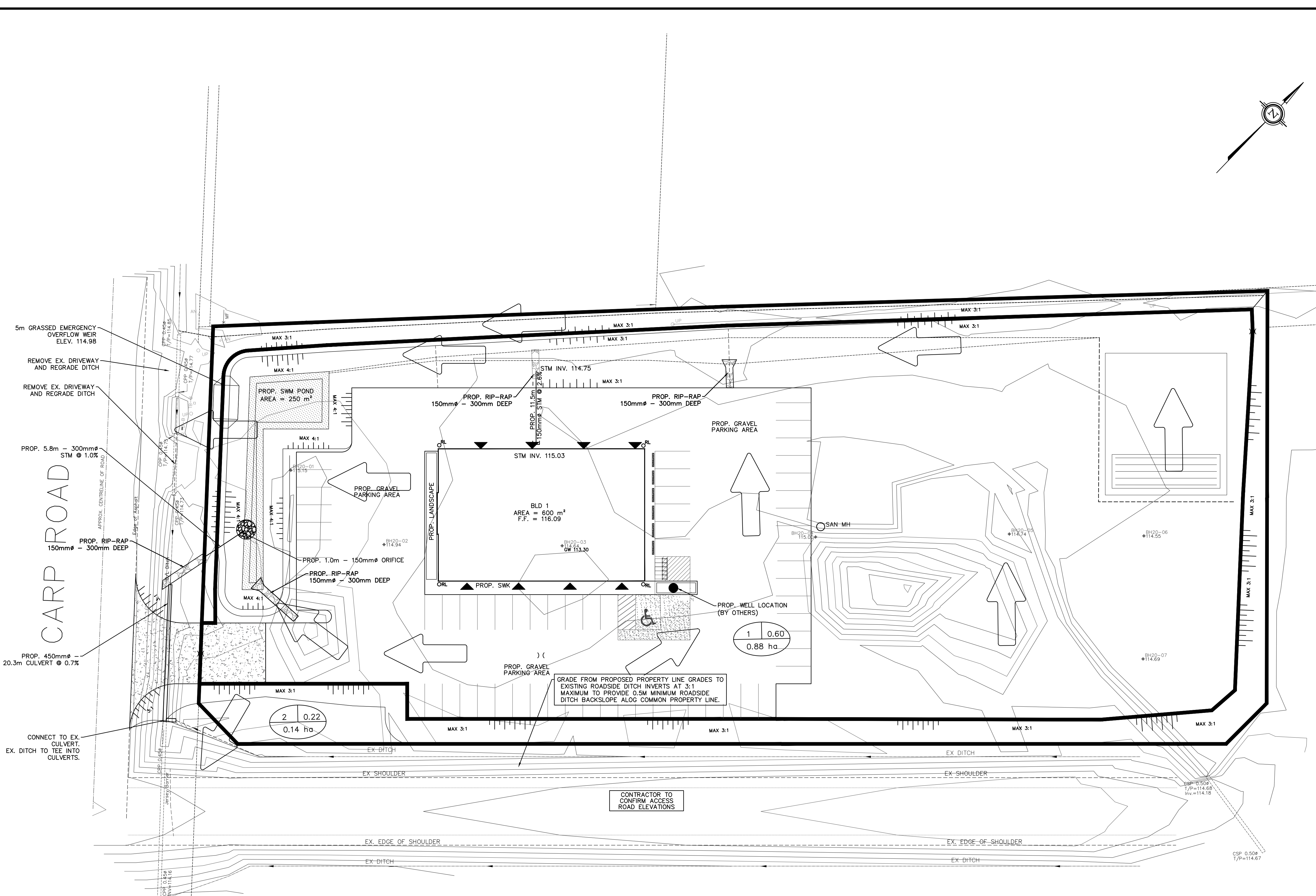


MULTI-TENANT COMMERCIAL BLDGS
2822 CARP ROAD
CITY OF OTTAWA

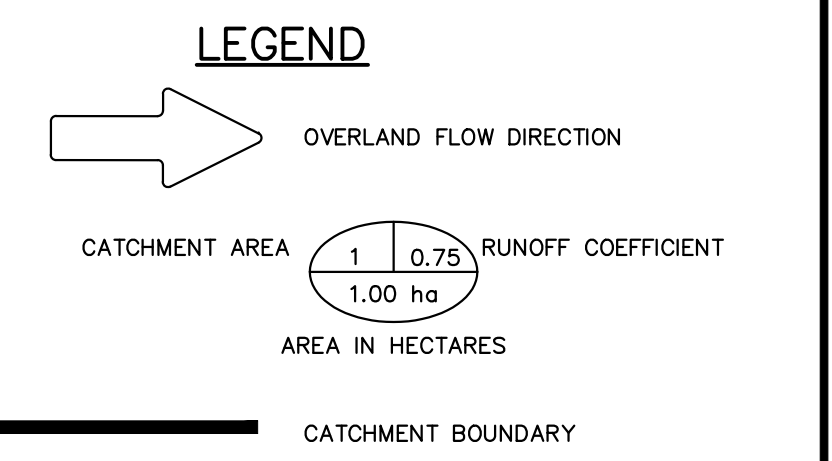
PRE-DEVELOPMENT STORM
CATCHMENT PLAN

		DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #	19124
		DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	STM-1
CHECKED BY	GMP	DATE	SEPTEMBER 2020		REVISION #	2	

P:\Projects\2022\2822_Corp_Rd_Corp_Engineering\Archive\19124 - BASE Submission 3.dwg Layout:STM-2 Plotted Jun 16, 2022 @ 4:24pm by nvelis @ PEARSON ENGINEERING LTD.



KEY MAP N.T.S



CARP ROAD

APPROX. CENTRELINE OF ROAD

EDGE OF ASPHALT

EX. SHOULDER

EX. DITCH

EX. EDGE OF SHOULDER

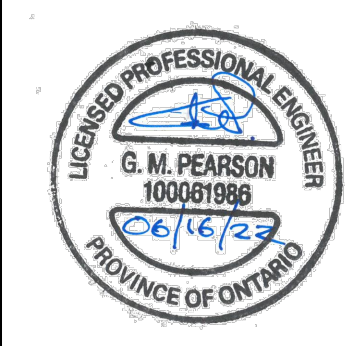
GRADE FROM PROPOSED PROPERTY LINE GRADES TO EXISTING ROADSIDE DITCH INVERTS AT 3:1 MAXIMUM TO PROVIDE 0.5M MINIMUM ROADSIDE DITCH BACKSLOPE ALOG COMMON PROPERTY LINE.

CONTRACTOR TO CONFIRM ACCESS ROAD ELEVATIONS

NO.	REVISION NOTE	DATE	BY
2.	UPDATED GRADING	06/16/22	NW
1.	AS PER 1ST SUBMISSION COMMENTS	01/07/22	NW

BENCHMARK
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO BENCHMARK 68U001/CGVD28 GEODETIC DATUM.

BEARINGS ARE GRID, DERIVED FROM THE SOUTHWESTERLY LIMIT OF PART 1 PLAN 4R-30382 SHOWN TO BE N41°38'40"W THERON AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)



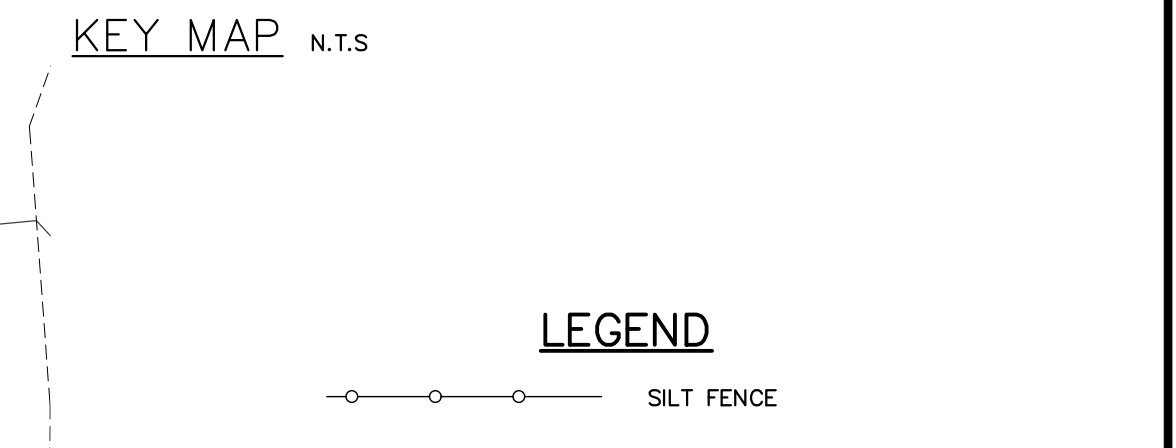
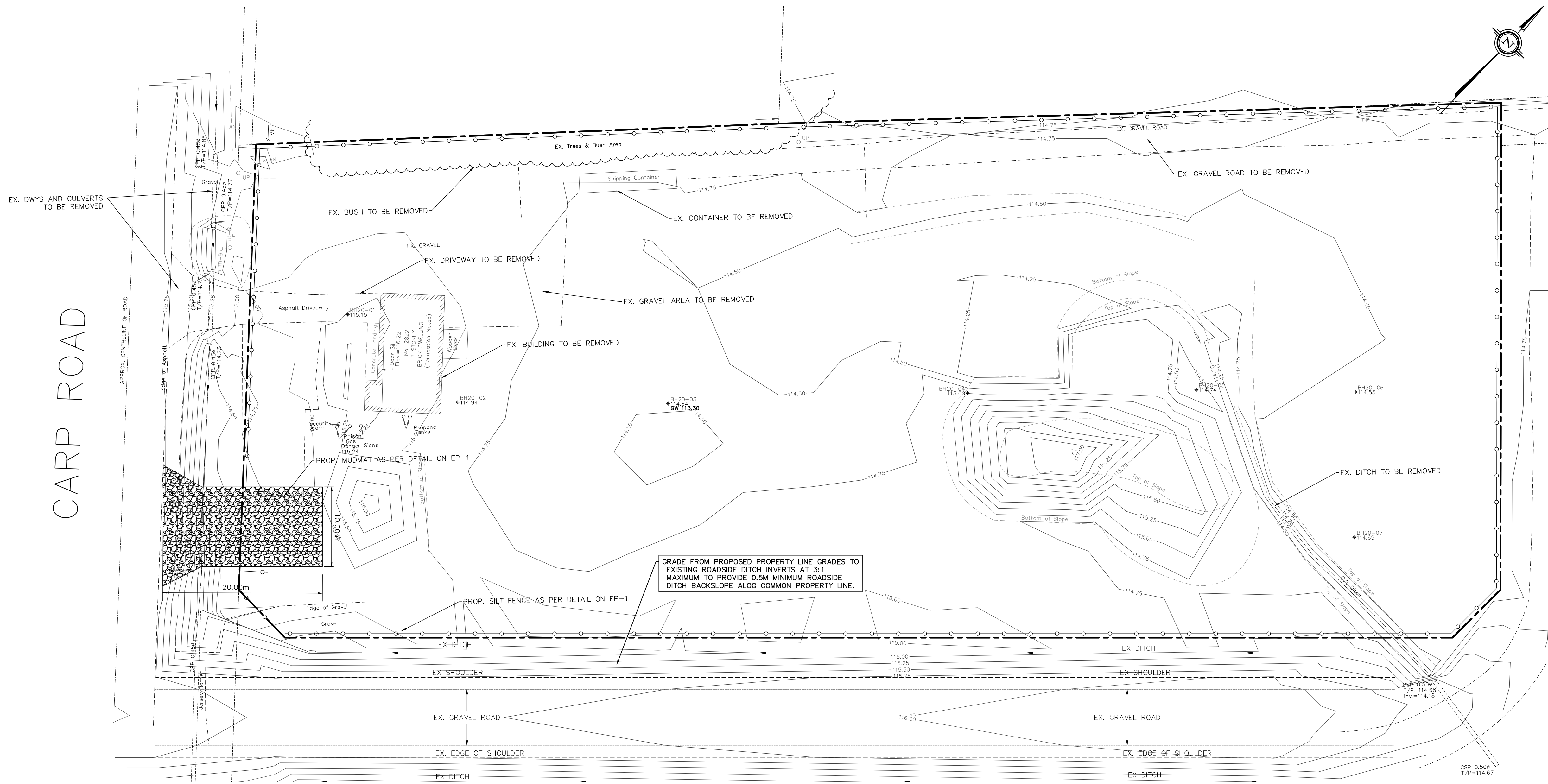
MULTI-TENANT COMMERCIAL BLDGS
2822 CARP ROAD
CITY OF OTTAWA

POST-DEVELOPMENT STORM
CATCHMENT PLAN

PEARSON ENGINEERING LTD.
PEARSONENG.COM PH. 705.719.4785

DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #	19124
DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	STM-2
CHECKED BY	GMP	DATE	SEPTEMBER 2020	REVISION #	2

P:\AutoCAD\Working\Folders\19124 - Argue, 2822 Corp. Rd. Corp.Eng\Working\19124 - BASE Submission 3.dwg Layout:EPR-1 Plotted Jun 16, 2022 @ 4:24pm by nwellis @ PEARSON ENGINEERING LTD.

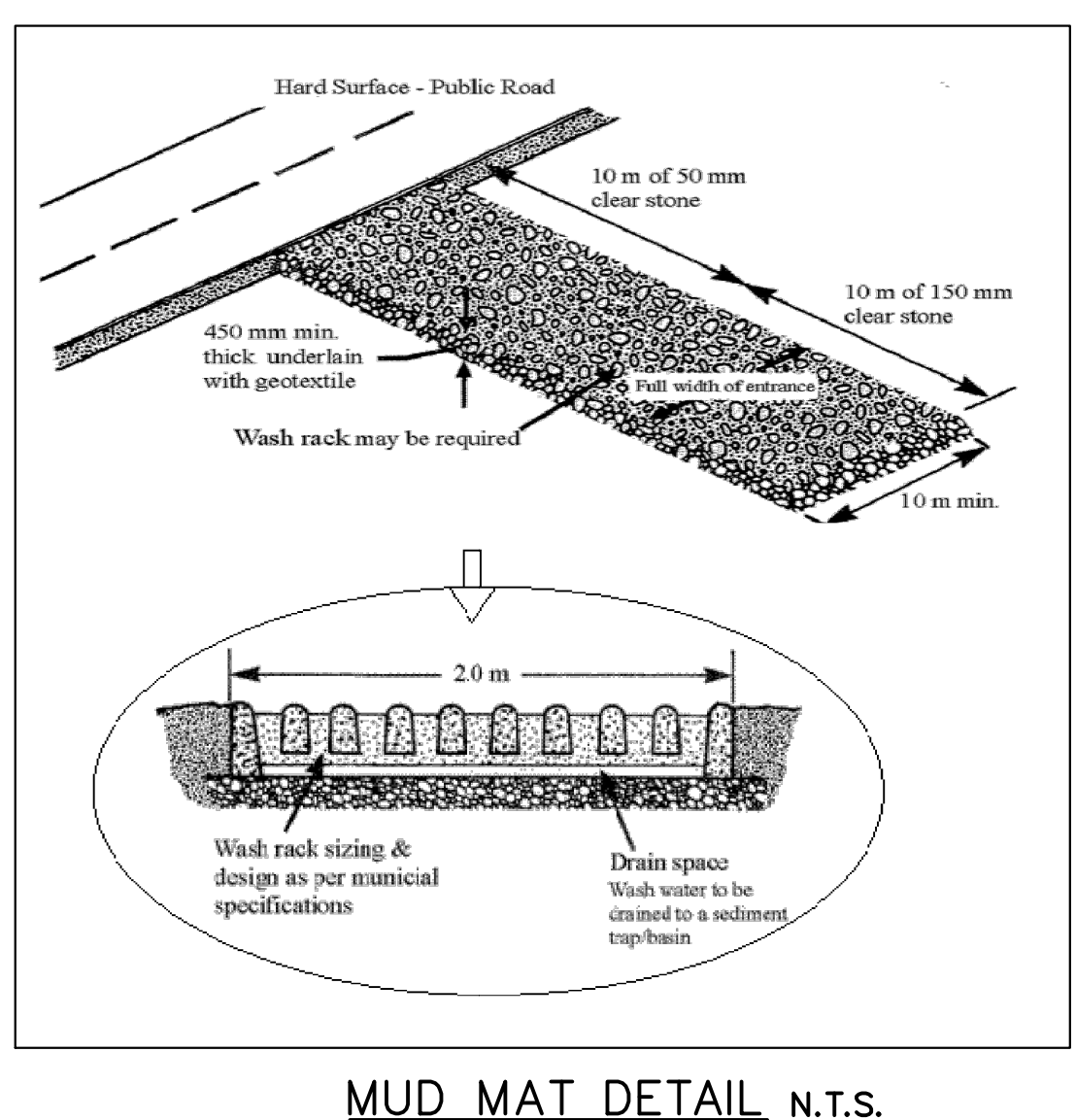
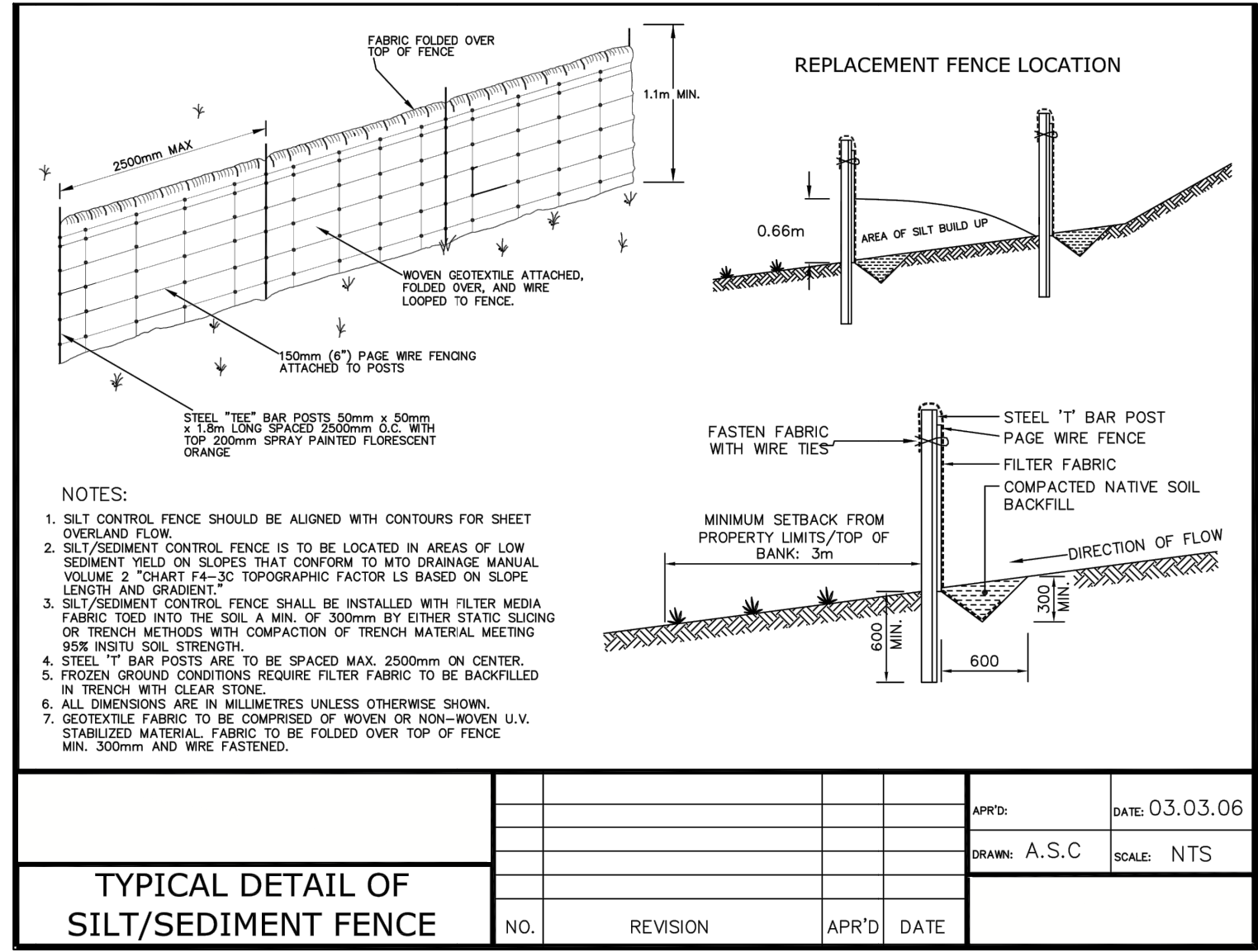


NOTES FOR SEDIMENT & EROSION CONTROL

1. DISTURBED AREAS THAT HAVE FAILED TO HAVE STABLE GROUND COVER ESTABLISHED BY OCTOBER 30TH SHALL BE PROTECTED WITH A SILTATION CONTROL FENCE OR STRAW MULCH ETC. AND MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION BECOMES ESTABLISHED IN THE SUBSEQUENT GROWING SEASON.
2. ANY DEWATERING WASTE SHALL BE DISCHARGED TO A VEGETATED AREA AT LEAST 30m FROM ANY WATERCOURSE AND FILTERED. FILTERING METHODS MUST BE APPROVED BY THE SITE ADMINISTRATOR.
3. SILT FENCE SHALL BE PUT IN PLACE PRIOR TO AND MAINTAINED DURING ALL GRADING. SILT FENCE TO BE INSPECTED PRIOR TO COMMENCEMENT OF EARTH GRADING ACTIVITIES. SILT FENCE TO BE INSPECTED AND REPAIRED OR REPLACED IF DAMAGED AS DIRECTED BY THE SITE ADMINISTRATOR. SILT CONTROLS TO BE INSPECTED ON A REGULAR BASIS AND AFTER EVERY RAIN EVENT. INSTALLATION SHALL BE TO THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
4. THE CONTRACTOR SHALL BE PREPARED FOR UNEXPECTED CONDITIONS AND ACCORDINGLY HAVE STOCKPILED MATERIALS ON SITE FOR NECESSARY REPAIRS AS A RESULT OF FAILED OR INADEQUATE CONTROL MEASURES. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK, AND AFTER EVERY RAINFALL EVENT.
6. CONTRACTOR SHALL OBTAIN A CURRENT COPY AND BECOME FAMILIAR WITH OPSS 577, CONSTRUCTION SPECIFICATION FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS WELL AS ALL APPLICABLE MUNICIPAL STANDARDS.
7. THE CONTRACTOR MAY CONSIDER ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES. THIS PERIOD OF INACTIVITY SHALL BE AT THE DISCRETION OF THE CITY OF OTTAWA'S MANAGER OF ENGINEERING BUT SHALL NOT EXCEED THIRTY DAYS OR SUCH LONGER PERIOD DEEMED ADVISABLE BY THE CITY OF OTTAWA'S MANAGER OF ENGINEERING.
8. THE TOPS OF ALL FILTER FABRIC MUST BE A MINIMUM OF 1.0 METRE ABOVE THE GROUND LEVEL AND ATTACHED TO THE FENCE WITH A CONTINUOUS STEEL WIRE. ALTERNATIVELY, THE FILTER FABRIC MUST BE FOLDED OVER THE TOP OF THE FENCE AND ATTACHED TO THE FENCE WITH WIRE LOOPED THROUGH THE FABRIC ON BOTH SIDES OF THE FENCE. FILTER FABRIC IS TO BE TERRAFIX 270R OR EQUIVALENT.
9. ALL DISTURBED GROUND LEFT FOR MORE THAN 30 DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING, OR COVERING OR OTHER EQUIVALENT CONTROL MEASURES. THIS PERIOD OF INACTIVITY SHALL BE AT THE DISCRETION OF THE CITY OF OTTAWA'S MANAGER OF ENGINEERING BUT SHALL NOT EXCEED THIRTY DAYS OR SUCH LONGER PERIOD DEEMED ADVISABLE BY THE CITY OF OTTAWA'S MANAGER OF ENGINEERING.
10. CONTRACTOR RESPONSIBLE FOR MUD TRACKING, PREVENTION, AND MAINTENANCE ON CARP ROAD.
11. ROADS TO BE LEFT IN A BROOM SWEEP CONDITION AT THE END OF EACH WORK DAY.

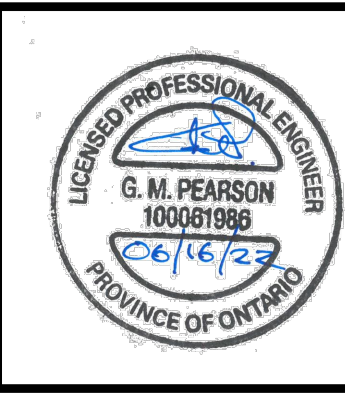
SEQUENCE OF CONSTRUCTION

1. ENGINEER TO BE NOTIFIED PRIOR TO INITIATION OF ANY ON SITE WORKS.
2. SILT FENCE AS PER DETAIL FOUND ON EP-1, AND ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE.
3. VEGETATION REMOVAL MAY COMMENCE AFTER ALL SILT FENCE IS INSTALLED AND APPROVED BY THE ENGINEER.
4. COMMENCE WITH EARTH WORKS AND SITE SERVICING.
5. INSTALLATION OF PROPOSED INFILTRATION FACILITIES AT THE TIME OF LANDSCAPING WORKS.
6. EROSION CONTROL MEASURES TO BE MAINTAINED AS DIRECTED BY THE ENGINEER DURING THE CONSTRUCTION PERIOD. ADDITIONAL CONTROL MEASURES MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
7. ALL DISTURBED GROUND LEFT INACTIVE FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH SEED, SOD, MULCH OR OTHER ADEQUATE COVERING, AS INSTRUCTED BY THE ENGINEER.



MUD MAT DETAIL N.T.S.

BENCHMARK			
ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO BENCHMARK 68U001/CGVD28 GEODETIC DATUM.			
BEARINGS ARE GRID, DERIVED FROM THE SOUTHWESTERLY LIMIT OF PART 1 PLAN 4R-30382 SHOWN TO BE N41°38'40"W THERON AND ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (ORIGINAL)			
2.	UPDATED GRADING	06/16/22	NW
1.	AS PER 1ST SUBMISSION COMMENTS	01/07/22	NW
NO.	REVISION NOTE	DATE	BY



MULTI-TENANT COMMERCIAL BLDGS
2822 CARP ROAD
CITY OF OTTAWA

EROSION AND REMOVALS PLAN

PEARSON ENGINEERING LTD.
PEARSONENG.COM PH. 705.719.4785

DESIGNED BY	NW/MWD	HORIZ SCALE	1:300	PROJECT #	19124
DRAWN BY	NW	VERT SCALE	N/A	DRAWING #	EPR-1
CHECKED BY	GMP	DATE	SEPTEMBER 2020	REVISION #	2