

TIN SHACK LTD.

430 RAGLAN STREET

TOWNSHIP OF COLLINGWOOD

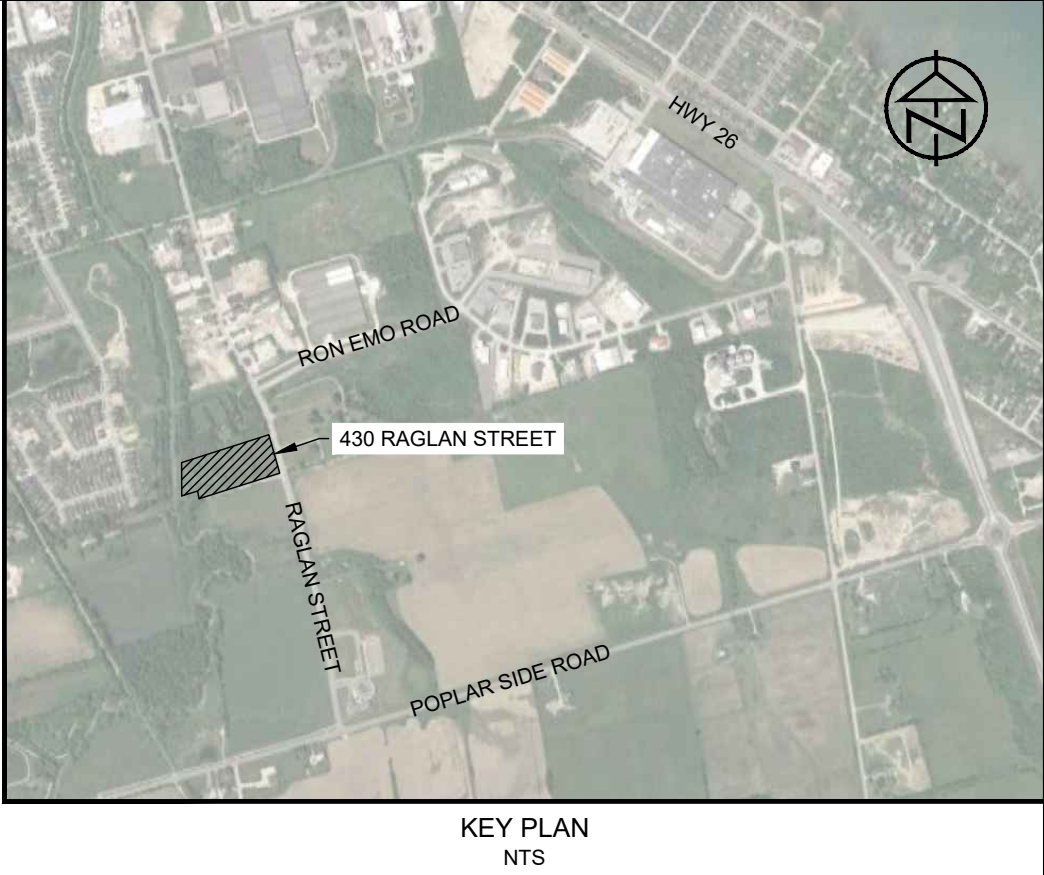


INDEX

DRAWING	DESCRIPTION
TP-1	TITLE PAGE
IN-1	INDEX SHEET
SP-1	SITE PLAN
ESC-1	EROSION & SEDIMENT CONTROL PLAN
SG-1	SITE GRADING PLAN
SS-1	SITE SERVICING PLAN
PM-1	PHOTOMETRIC PLAN
DE-1	DETAILS AND NOTES

LEGEND

ITEM	EXISTING	PROPOSED
PROPERTY LINE	---	---
LOT LINE	---	---
CENTERLINE	---	---
EDGE OF ASPHALT	---	---
CONCRETE CURB	---	---
EDGE OF GRAVEL SHOULDER	---	---
DITCH/DIRECTION OF FLOW	--->	--->
DRAINAGE SWALE/DIRECTION OF FLOW	--->	--->
WATERMAIN/SIZE	150# W/M	150# W/M
WATER SERVICE	---	---
FIRE HYDRANT	◇ HYD	◆ HYD
EXISTING WATER VALVE	◇ WV	◆ WV
CURB STOP VALVE	◇ CSV	◆ CSV
WATERMAIN PLUG AND THRUST BLOCK	□	□
WATERMAIN BLOWOFF	○ BLOWOFF	○ BLOWOFF
WATERMAIN REDUCER	▷	▷
SANITARY SEWER/SIZE/DIRECTION OF FLOW	200# SAN >	200# SAN >
SANITARY MAINTENANCE HOLE	○ SAN MH	● SAN MH4
SANITARY SERVICE	---	---
SANITARY FORCEMAIN	---	---
STORM SEWER/SIZE/DIRECTION OF FLOW	375# STM >	375# STM >
STORM MAINTENANCE HOLE	○ STM MH	● STM MH4
CATCH BASIN	□ CB	■ CB4
DOUBLE CATCH BASIN	□ DCB	■ DCB4
CATCH BASIN MAINTENANCE HOLE	○ CBMH	● CBMH4
DOUBLE CATCH BASIN MAINTENANCE HOLE	○ DCBMH	● DCBMH4
DITCH INLET CATCH BASIN	□ DICB	■ DICB4
CULVERT	==	==
BELL UNDERGROUND	BU	BU
BELL AERIAL	BA	BA
CABLE UNDERGROUND	CU	CU
CABLE AERIAL	CA	CA
HYDRO UNDERGROUND	HU	HU
HYDRO AERIAL	HA	HA
GAS MAIN/SERVICE	GAS	GAS
FENCE	- X -	- X -
GUIDERAIL	+	+
BUSHLINE/TREELINE	~~~~	~~~~
CONTOUR	179.00	179.00
SPOT ELEVATION	X 179.00	X 179.00
GRADING DIRECTION/GRADE PERCENTAGE	1.8% >	1.9% >
DRAINAGE FLOW	<	<
TRAFFIC SIGN	▷ SIGN	▷ SIGN
TRAFFIC POLE/TRAFFIC SIGNAL	○ T.S.	● P1
LIGHT STANDARD	○ L.S.	● LS
HYDRO POLE	○ H.P.	● HP
GUY WIRE	-	-
BELL POLE	○ BP	
BELL MAINTENANCE HOLE	○ BELL MH	
BELL PEDESTAL/VAULT	⊠	
CABLE PEDESTAL/VAULT	⊞	
HYDRO TRANSFORMER/VAULT	⊞	
GAS VALVE	◇ GAS VALVE	
GAS MARKER	⊕ GAS	
MAILBOX	Ⓜ	
STANDARD IRON BAR	◆ SIB	
IRON BAR	■ IB	
TEMPORARY BENCHMARK	⊙ TBM#1	
BOREHOLE/TEST HOLE	⊕ BH#	
DECIDUOUS/CONIFEROUS TREE, SHRUB/BUSH		



DISCLAIMER AND COPYRIGHT CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED. TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.	BENCHMARKS COORDINATES ARE NAD83 UTM17N (CSRS); ELEVATIONS ARE GEODETIC CGVD28; DERIVED FROM CANNET GNSS NETWORK. TBM1 - ELEVATION 195.24m TOP OF SIB ON SE SIDE OF EXISTING GRAVEL DRIVEWAY ON SOUTH SIDE OF SITE.	NOTES RAGLAN STREET INFRASTRUCTURE INFORMATION TAKEN FROM DRAWING G-2336-PP5 PREPARED BY GREENLAND CONSULTING ENGINEERS DATED JANUARY 11, 2011.	No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP	TIN SHACK LTD. 430 RAGLAN STREET TOWN OF COLLINGWOOD	TATHAM ENGINEERING		INDEX SHEET	DESIGN: JB/AO	FILE: 118188	DWG: IN-1
			1.	FIRST SUBMISSION	SEPT 2026						DRAWN: E/JW	DATE: MAR 2026	
											CHECK: AO	SCALE: 1:500	

Legal Description

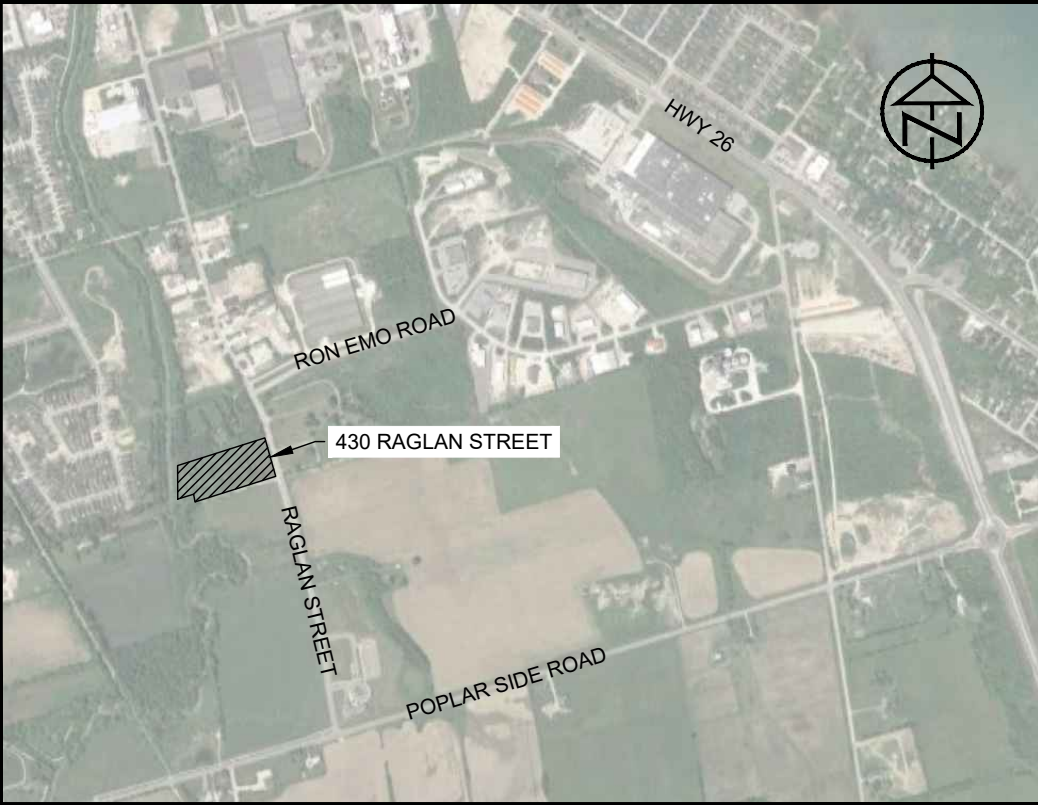
Legal Description: Parts 3, 4 & 5 of Plan 51R-41297, Part of the Southwest Part of the West Half of Lot 41 Concession & Part of Lot 41 Concession 8, (Formerly Township of Nottawasaga) Town of Collingwood, County of Simcoe

Zoning Regulation Matrix

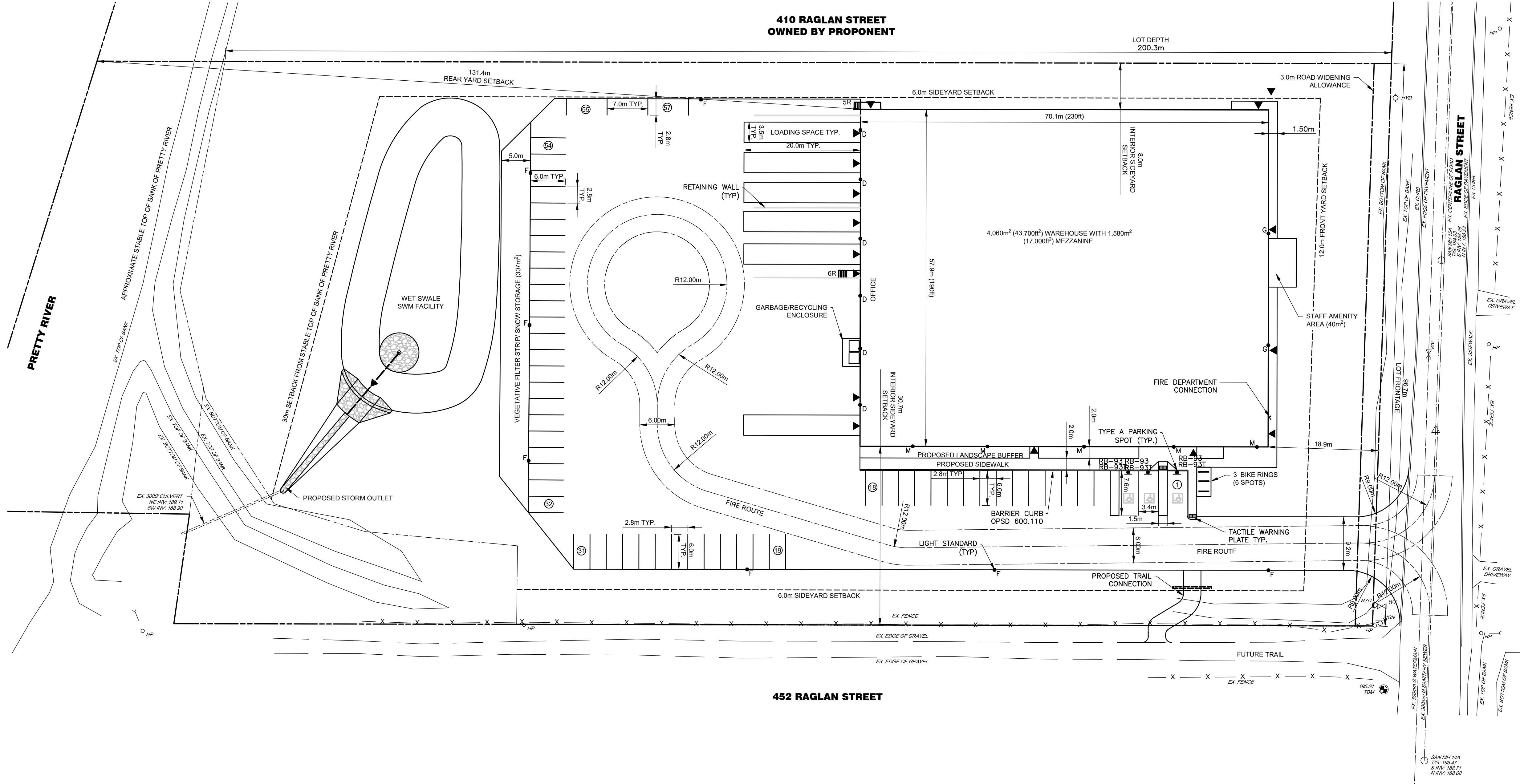
Zone	M2		
	Required	Proposed	Zoning Compliance
i. Minimum Lot Area (m ²)	3000	21890	✓
ii. Minimum Lot Frontage (m)	30.0	96.7	✓
iv. Minimum Yard Requirement			
a) Front Yard (m)	12.0	19.0	✓
b) Interior Side Yard (m) North	6.0	8.0	✓
c) Interior Side Yard (m) South	6.0	30.7	✓
d) Rear Yard (m)	7.5	131.4	✓
iv. Maximum Lot Coverage (%)	50	19	✓
v. Min. Landscape Open Space (%)	10.0	54	✓
vi. Maximum Height (m)	15.0	10.7	✓

Parking & Loading Provisions

	Required	Proposed	Zoning Compliance
5.3 Entrance Width	Min. 7.5m, Max 15.0m	9.2m	✓
5.8 Perpendicular Parking Space Size	2.8m x 6.0m	2.8m x 6.0m	✓
5.8 Accessible Perpendicular Parking Space Size	4.5m x 6.0m	4.9m x 6.0m	✓
5.11 Accessible Parking Space Requirement	3	3	✓
5.13 Bicycle Space Requirements	6	6	✓
5.15 Parking Spaces (Warehouse) 1 spaces per 100m ² GFA	57	57	✓



KEY PLAN
NTS



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BENCHMARKS

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TBM1 - ELEVATION 195.24m
TOP OF SIB ON SE SIDE OF EXISTING GRAVEL DRIVEWAY ON SOUTH SIDE OF SITE.

NOTES

RAGLAN STREET INFRASTRUCTURE INFORMATION TAKEN FROM DRAWING G-2336-PP5 PREPARED BY GREENLAND CONSULTING ENGINEERS DATED JANUARY 11, 2011.

No.	REVISION DESCRIPTION	DATE
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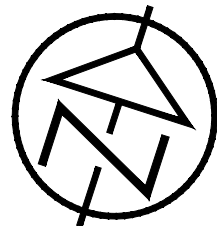
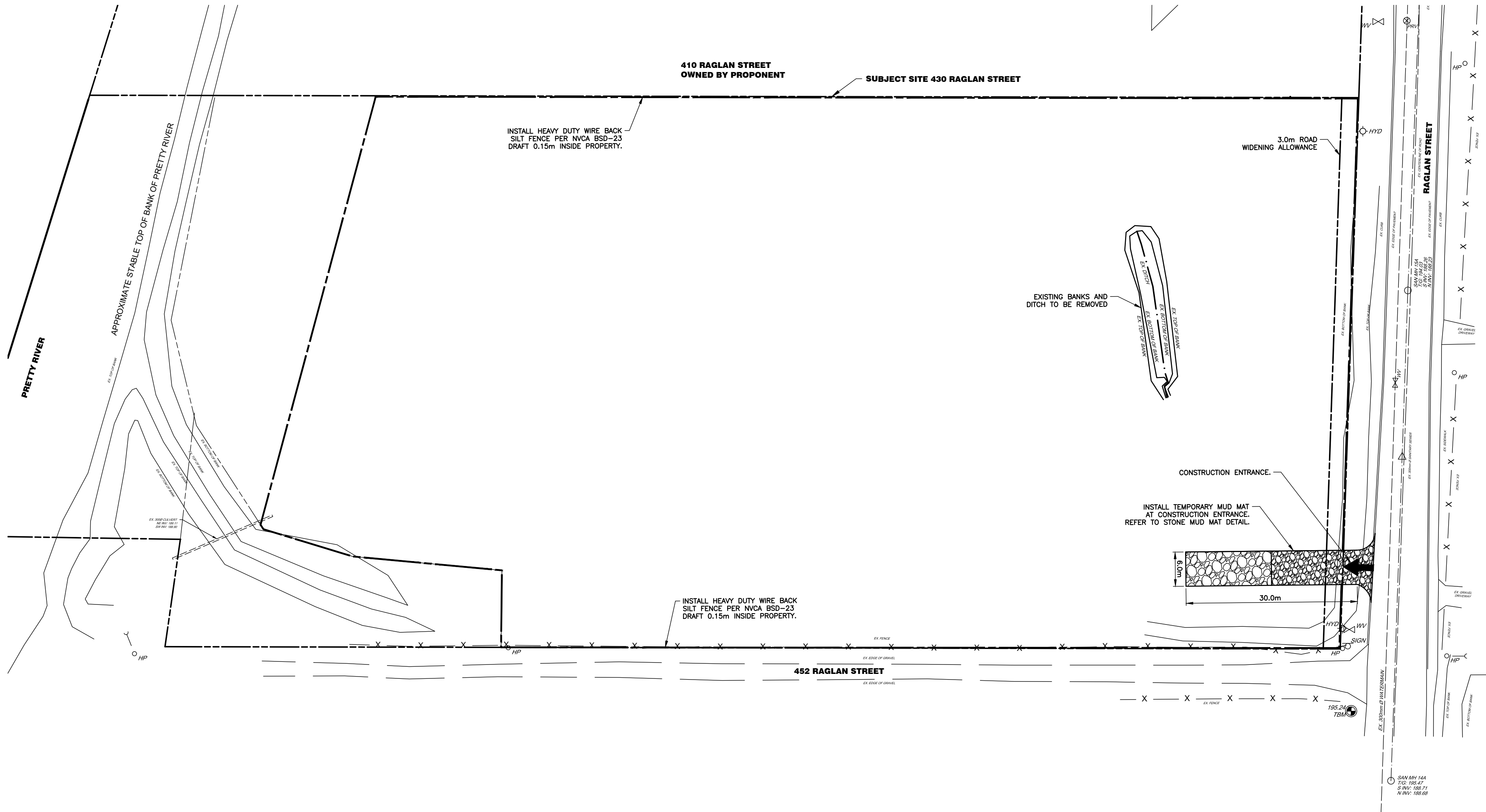


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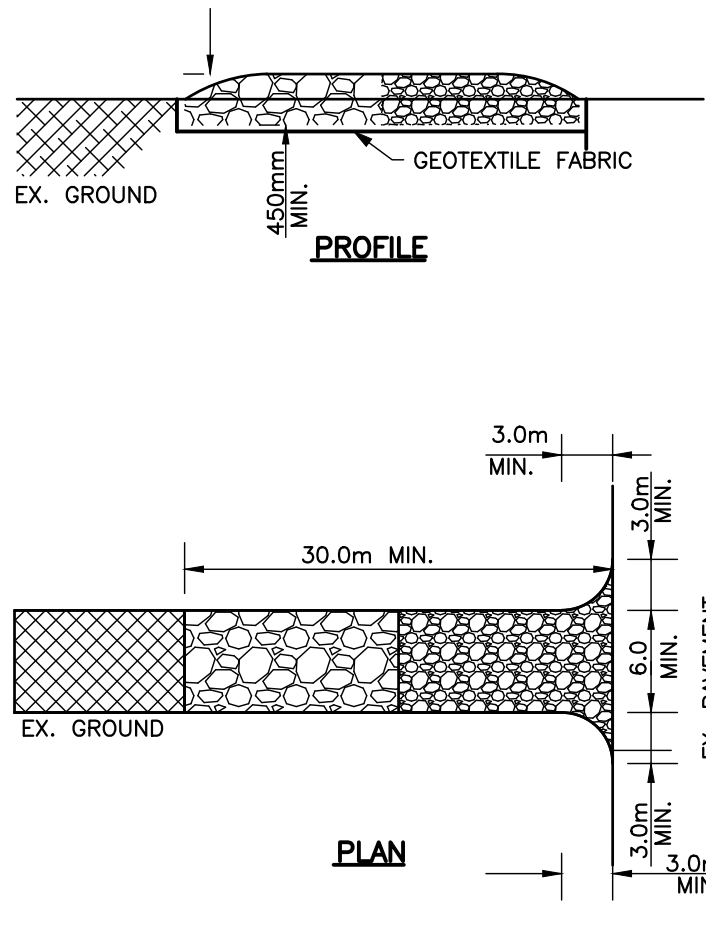
SITE PLAN



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KEY PLAN
NTS



STONE SIZE

THE STONE PAD SHALL BE A MIN. 150mm THICK. USE 50#mm STONE OR RECLAIMED CONCRETE EQUIVALENT FOR FIRST 15m FROM ADJACENT ROAD & 150mm# RIP RAP FOR REMAINDER OF STONE PAD.

LENGTH

AS REQUIRED BUT NOT LESS THAN 30m.

WIDTH

6m MIN. BUT NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.

GEOTEXTILE FABRIC

(TERRAFIX 270R OR EQUAL) WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.

SURFACE WATER

ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. UPON OBSERVATION OF CONTINUOUS MUD TRACKING ONTO ADJACENT STREETS, THE STONE MAT IS TO BE FULLY REPLACED.

WASHING

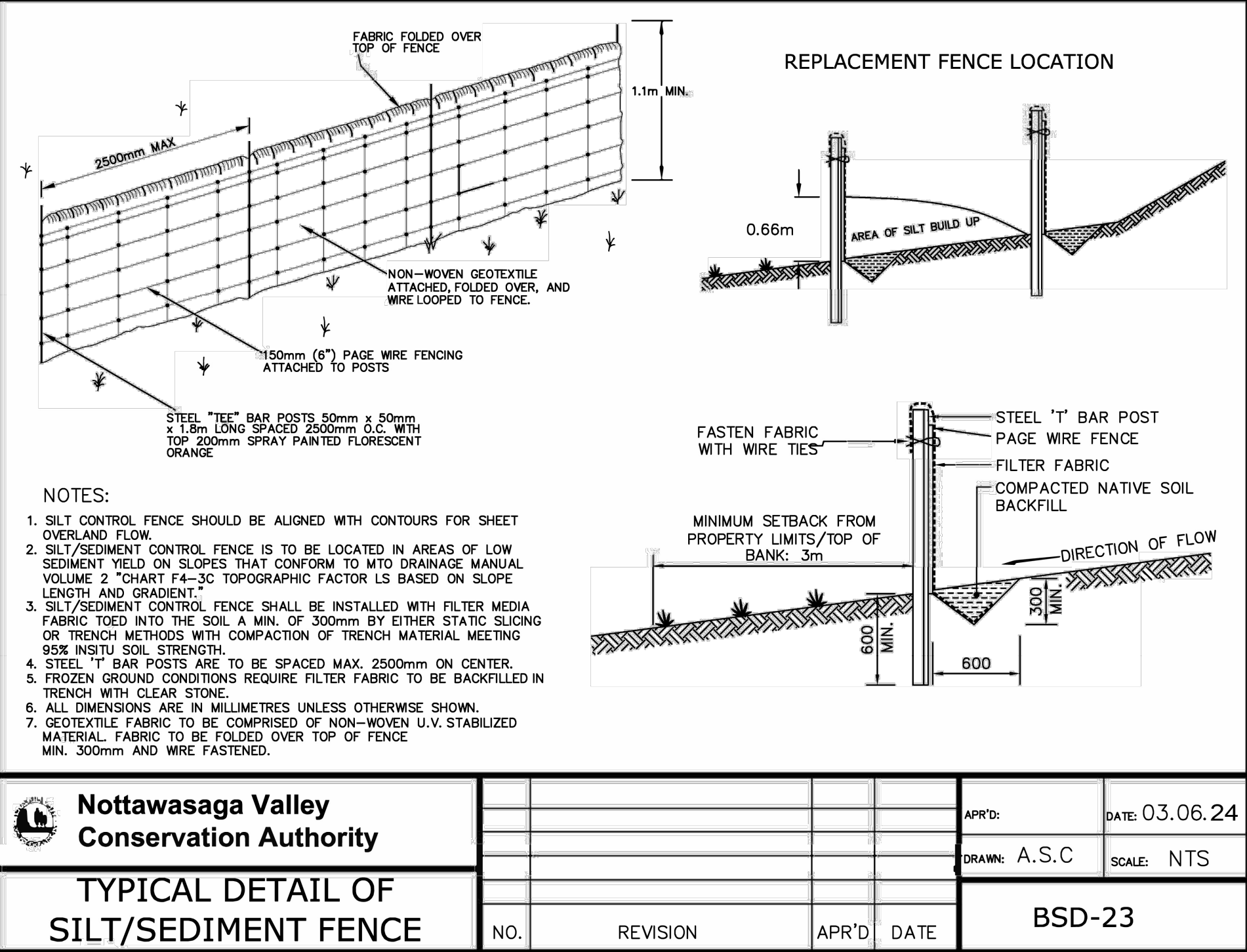
WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN SHALL BE PROVIDED BY THE CONTRACTOR.

STONE MUD MAT DETAIL
NTS

EROSION & SEDIMENT CONTROL

- A. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED. EROSION AND SEDIMENT CONTROL MEASURES THAT ARE DESIGNED TO CONTROL RUNOFF FROM SPECIFIC AREAS MUST BE INSTALLED PRIOR TO ANY DISTURBANCE OF THAT PART OF THE SITE. THE LOCATION OF ALL EROSION AND SEDIMENT CONTROL WORKS TO BE REVIEWED ON SITE AND MAY BE REVISED AS DIRECTED BY THE ENGINEER.
- B. EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH THE TOWN OF COLLINGWOOD POLICY AND NOTTAWASAGA VALLEY CONSERVATION AUTHORITY "ENVIRONMENTAL PLANNING AND REGULATIONS POLICY MANUAL".
- C. THE CONTRACTOR MAY CONSIDER ALTERNATIVE EROSION AND SEDIMENT CONTROL MEASURES. SUCH MEASURES MUST BE PRESENTED IN WRITING TO THE ENGINEER FOR APPROVAL BY THE TOWN OF COLLINGWOOD.
- D. THE CONTRACTOR SHALL HAVE MATERIALS AVAILABLE ON-SITE TO REPAIR SEDIMENT AND EROSION CONTROL MEASURES IN THE EVENT OF UNFORESEEN CONDITIONS: HIGH WATER, EXTREME RAINFALL EVENTS, ETC.
- E. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSPECTED, CLEANED AND MAINTAINED BY THE CONTRACTOR AFTER EACH STORM EVENT. ALL WORKS WILL BE INSPECTED BY THE ENGINEER BI-WEEKLY AND AFTER EACH MAJOR STORM EVENTS.
- F. CONSTRUCTION OF ALL EROSION AND SEDIMENT CONTROL WORKS ARE TO BE IN ACCORDANCE WITH THE FOLLOWING STEPS (AS REQUIRED):
- INSTALL STONE MUD MAT IN ACCORDANCE WITH THE DETAIL PROVIDED.
 - INSTALL HEAVY DUTY SILT FENCE IN ACCORDANCE WITH NVCA BSD-23 DRAFT.
 - INSTALL TEMPORARY CATCH BASIN SEDIMENT TRAPS ON ALL NEW CATCH BASINS. SEDIMENT TRAPS TO BE LAYFIELD GROUP CBST INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL CATCH BASINS TO REMAIN SCREENED UNTIL BASE COURSE ASPHALT IS PLACED AND LOT GRADING IS COMPLETE.
- G. ALL CONSTRUCTION VEHICLES TO ACCESS SITE USING THE DESIGNATED CONSTRUCTION ENTRANCE.
- H. EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED BY THE CONTRACTOR ONCE GROUND COVER IS ESTABLISHED AND LANDSCAPING IS COMPLETE, AS APPROVED BY THE ENGINEER.
- I. ALL STOCKPILE LOCATIONS ARE TO BE APPROVED BY THE ENGINEER.
- J. PROVIDE SNOW FENCE OR APPROVED EQUAL ACROSS ALL CONSTRUCTION ENTRANCES DURING PERIODS OF INACTIVITY.
- K. CONSTRUCTION AREAS THAT EXCEED 30 DAYS OF INACTIVITY SHALL BE STABILIZED BY SEEDING. THIS SHALL INCLUDE STOCKPILES OF FILL AND TOPSOIL.
- L. ALL TEMPORARY SWALES WHICH ARE ANTICIPATED TO EXIST FOR OVER 30 DAYS ARE TO BE STABILIZED WITH SEED OR ANOTHER METHOD AS DIRECTED BY THE ENGINEER.
- M. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BEFORE IT REACHES 30% OF THE HEIGHT OF THE SILT FENCE, SEDIMENT TRAP, OR STRAW BALE CHECK DAM. SEDIMENT SHOULD BE REMOVED SOONER IF DEVICES ARE NOT FUNCTIONING PROPERLY.



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TBM1 - ELEVATION 195.24m
TOP OF SIB ON SE SIDE OF EXISTING GRAVEL DRIVEWAY ON SOUTH SIDE OF SITE.

NOTES

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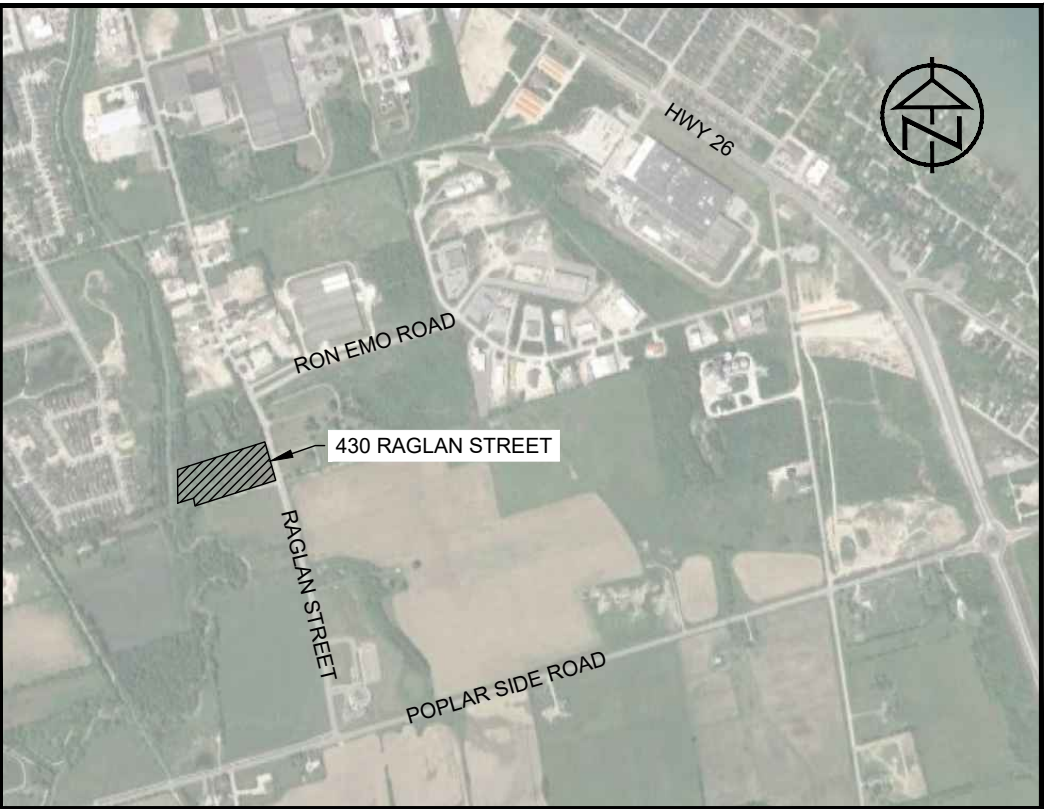
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EROSION & SEDIMENT
CONTROL PLAN

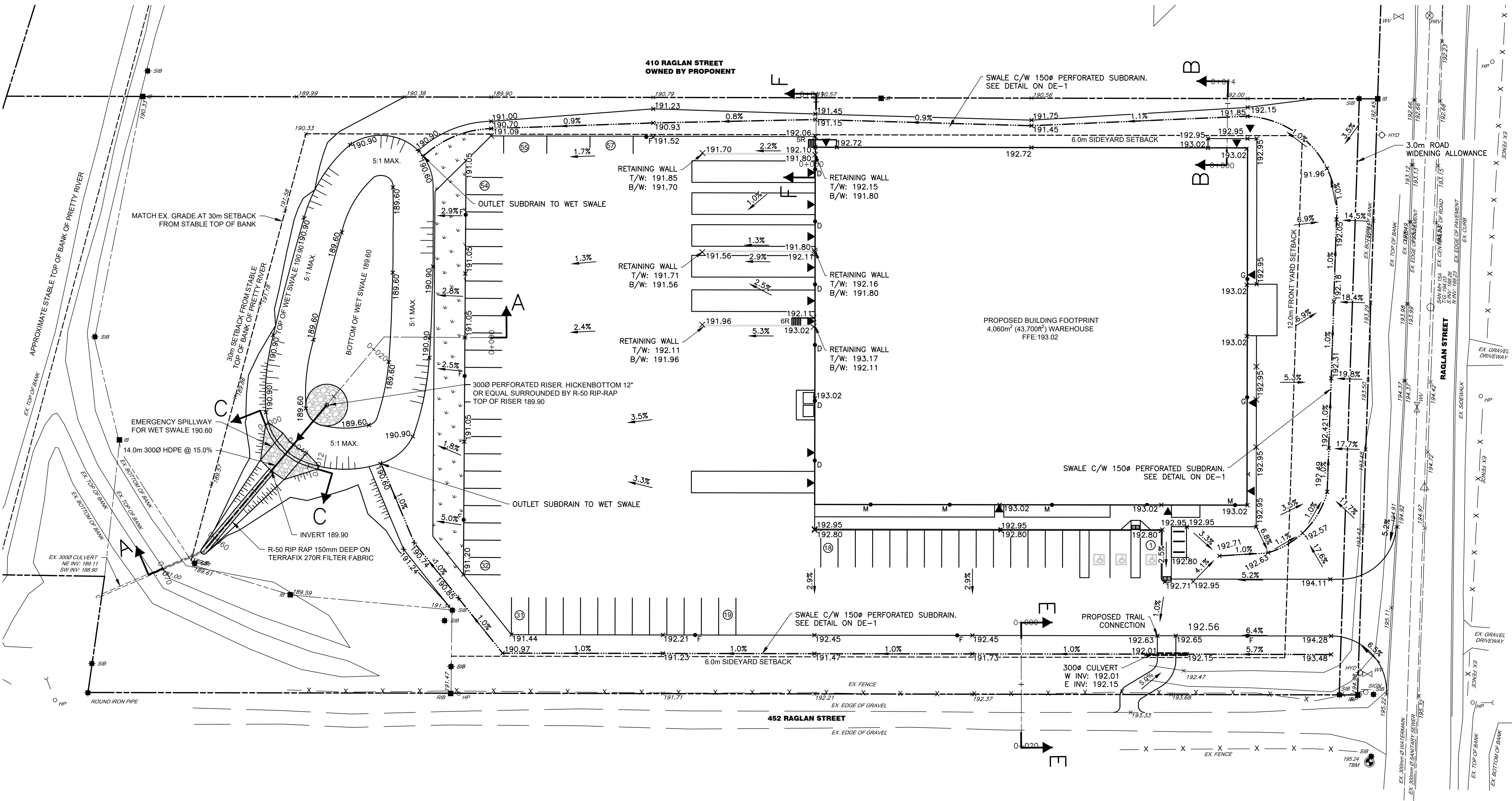
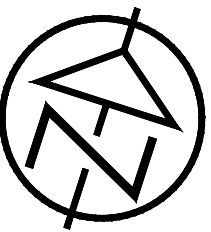


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ESC-1



KEY PLAN
NTS



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SITE GRADING PLAN



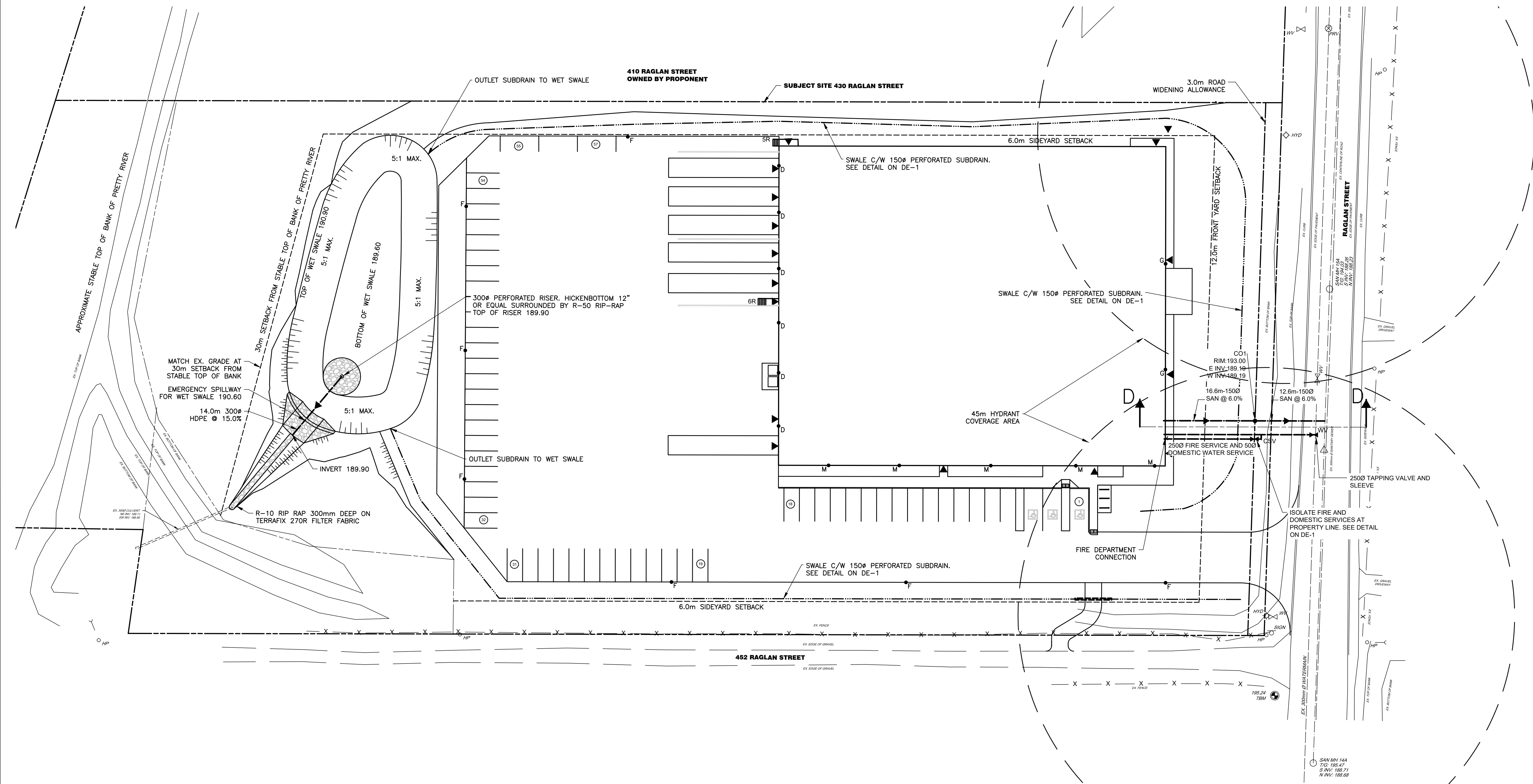
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DWG:

SG-1



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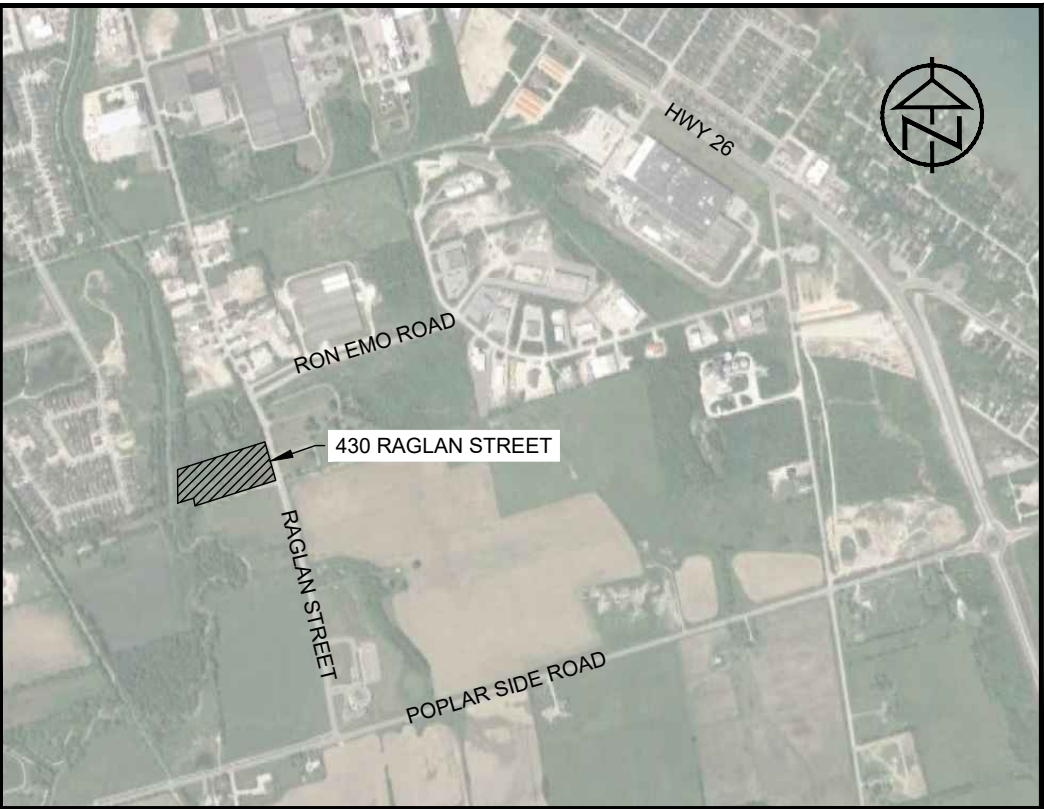
SITE SERVICING PLAN

TATHAM ENGINEERING

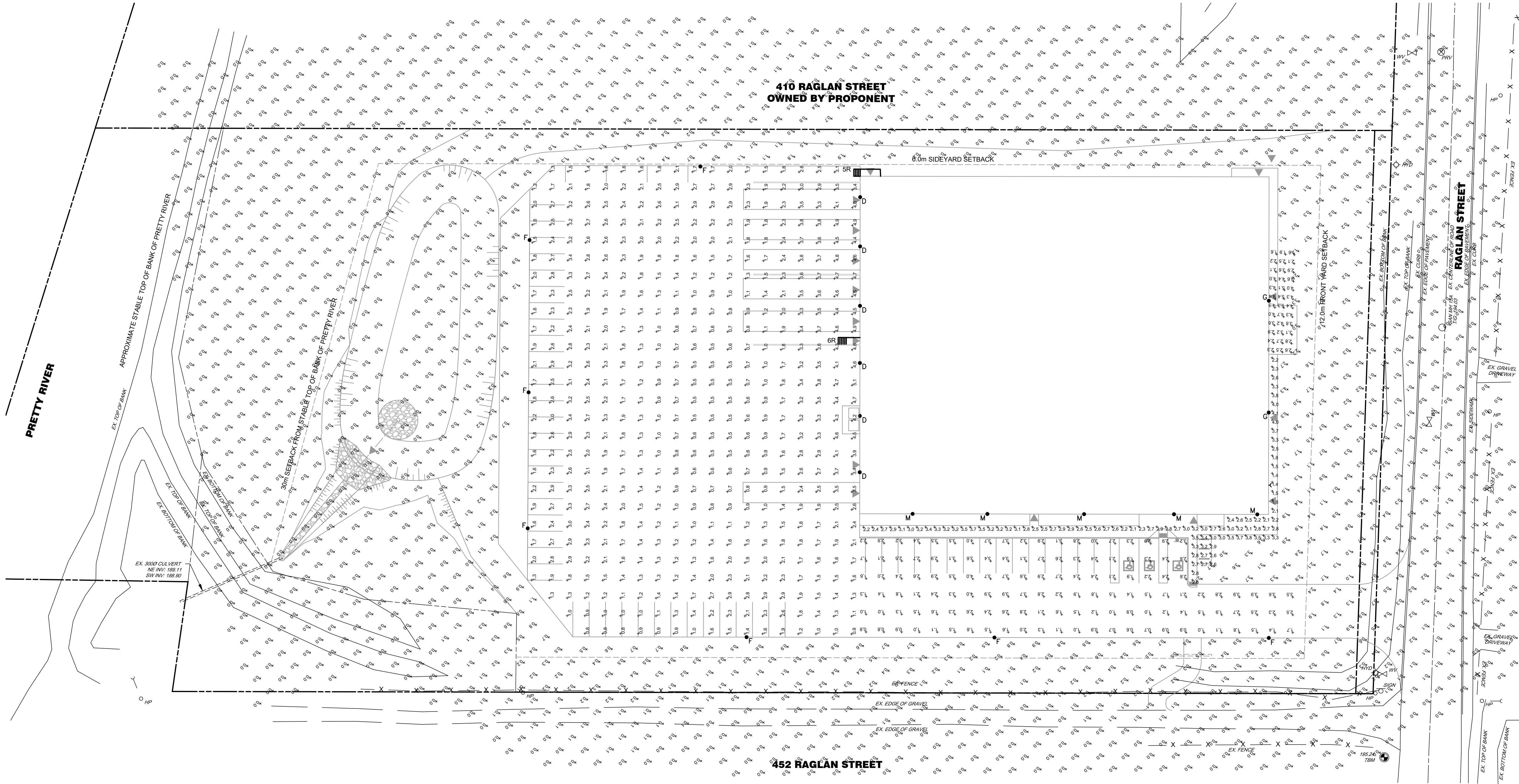
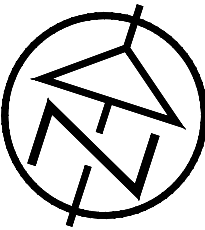
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Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
	5	EWAS01_C4AF740 TymatsSolutions	Single	EWAS01_C4AF740	M	0.850	7500	56	280	25
	2	EWAS01_D2AN740 Solutions	Single	EWAS01_D2AN740	G	0.850	10100	77	154	25
	7	EACLO1_H4AF740 EAC-ABL-BLCK Tymat Solutions	Single	EACLO1_H4AF740 EAC-ABL-BLCK	F	0.850	18210	153	1071	33
	6	EWAS01_D4AF740 Solutions	Single	EWAS01_D4AF740	D	0.850	10000	77	462	25

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Entrance Parking Area	Illuminance	Fc	2.26	4.0	0.6	3.77	6.67
Loading Dock Parking Area	Illuminance	Fc	2.00	5.1	0.5	4.00	10.20
Proposed Sidewalk	Illuminance	Fc	2.84	4.1	1.4	2.03	2.93
Spill	Illuminance	Fc	0.19	5.3	0.0	N/A	N/A
Staff Amenity Area	Illuminance	Fc	3.45	5.4	1.6	2.16	3.38



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PHOTOMETRIC PLAN



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PM-1



A. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TOWN OF COLLINGWOOD STANDARDS, OPSD AND OPSS. WHERE CONFLICT OCCURS, TOWN OF COLLINGWOOD STANDARDS SHALL GOVERN.

B. TRENCH BACKFILL (OPSD 802.XX AS APPLICABLE) SHALL SELECT NATIVE MATERIAL OR IMPORTED SELECT SUBGRADE (MINIMUM 100 MM MINIMUM 200 MM LIFTS AND COMPACTED TO 95% SPDM).

C. BEDDING AND COVER TO OPSD 802.010 (FLEXIBLE PIPE) SHALL BE GRANULAR A EMBEDMENT MATERIAL, BEDDING AND COVER TO OPSD 802.030, 802.031 AND 802.032 (RIGID PIPE) SHALL BE GRANULAR A BEDDING AND GRANULAR B COVER (MAXIMUM AGGREGATE SIZE 25 MM). ALL GRANULAR MATERIAL SHALL BE COMPACTED TO 95% SPDM.

D. EXISTING UTILITIES SHALL BE REINSTATE OR RENEW BY THE CONTRACTOR FOR ANY MATERIAL IF APPROVED BY THE ENGINEER.

E. ALL MAINTENANCE HOLES SHALL BE 1200 MM DIAMETER UNLESS OTHERWISE SPECIFIED.

F. TOP SOIL/ AND EARTH EXCAVATION SHALL BE STOCKPILED OR REMOVED TO AN APPROVED SITE AS DIRECTED BY THE ENGINEER.

G. THE OWNER'S ENGINEER SHALL PROVIDE BENCHMARK ELEVATIONS AND HORIZONTAL ALIGNMENT REFERENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETAILED LAYOUT OF THE WORK.

H. ALL PROPERTY BARS SHALL BE PRESERVED AND REPLACED BY AN OLS AT THE CONTRACTOR'S EXPENSE IF REMOVED DURING CONSTRUCTION.

I. ALL MAINTENANCE HOLE AND CATCH BASIN FRAMES AND COVERS SHALL BE SET TO BINDER COURSE ELEVATION AND RAISED PRIOR TO SURFACE COURSE PLACEMENT TO THE SATISFACTION OF THE TOWN.

J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY OF TEMPORARY WATER AND POWER.

K. NEW MANHOLES SHALL BE CARBON STEEL WITH OPSD MUNI 517 AND 518. CONTRACTOR SHALL MAINTAIN DRY TRENCH CONDITIONS AND OBTAIN MECP APPROVALS IF REQUIRED.

L. ALL ENGINE-DRIVEN PUMPS AND GENERATORS SHALL BE ADEQUATELY SITED FOR OPERATION IN RESIDENTIAL AREAS.

M. DISTURBED AREAS SHALL BE REINSTATED TO PREVIOUS CONDITION OR BETTER.

N. THE CONTRACTOR SHALL PRESERVE EXISTING UTILITIES. NOTIFY UTILITY COMPANIES PRIOR TO COMMENCING WORK, AND COORDINATE CONSTRUCTION ACCORDINGLY.

A. MH, CBMH AND DCBHM SHALL BE TO OPSD 701.XXX (AS APPLICABLE) COMPLETE WITH SUMP UNLESS OTHERWISE NOTED.
B. STEPS SHALL BE TO OPSD 405.010.
C. FROST STRAPS SHALL BE INSTALLED ON ALL MAINTENANCE HOLES IN ACCORDANCE WITH OPSD 701.100.
D. MH FRAMES AND COVERS SHALL BE TO OPSD 701.010 OPEN COVER.
E. CATCH BASINS SHALL BE TO OPSD 705.010 OR 705.020.
F. DICB STRUBBLES SHALL BE TO OPSD 705.030, 705.040, 706.010, 706.020, 706.030 OR 706.040.
G. CB AND CBHM FRAMES AND GRATES SHALL BE TO OPSD 400.020 OR OPSD 400.120 (REAR FOLD).
H. PH SUPPORTS AT 701.020 CB AND CBMH SHALL BE TO OPSD 707.020.
I. CB LEADS SHALL BE 250 MM DIA. FOR SINGLE CATCH BASINS AND 300 MM DIA. FOR DOUBLE CATCH BASINS TO OPSD 708.010 AND 708.030.
J. STORM SERVICE CONNECTIONS SHALL BE TO TOWN STD. 1.65 WITH 100 MM GRANULAR A EMBEDMENT. TERMINATE AT SERVICE LINE. 1.0 MIGHT OF SANITARY SERVICE (FACING LOT). EXCEPT TOWNWIDE LOTS WHICH SHALL USE TOWN STD. NO. 620.
K. SERVICE SHALL BE PROVIDED WITH CAP/PIPE AND 38 MM X 895 MM WHITE MARKER STAKE.

A. MECHANICAL RESTRAINTS SHALL BE USED IN ACCORDANCE WITH TOWN STANDARDS. THRUST BLOCKS TO OPSD 1103.010 AND A 103.020 MAY BE USED AT THE TOWN'S DISCRETION.

B. THE CURB SHALL BE CONCRETE, 150 MM THICK WITH 100 MM GRANULAR A EMBEDMENT AND CURE. TERMINATE AT PROPERTY LINE AT CENTRE OF LOT WITH CURB STOP AND BOX. TESTING TAP TO SURFACE ATTACHED TO A 38 MM X 89 MM BLUE MARKER POST.

C. FIRE HYDRANTS SHALL BE TO OPSD 1105.010. DRAIN PLUGS SHALL BE INSTALLED WHERE HIGH GROUNDWATER CONDITIONS EXIST.

D. MINIMUM COVER OVER ALL WATERMANS AND SEWERS SHALL BE 1.8 M.

E. ALL WATERMANS SHALL BE INSTALLED USING ROMAC GRIP RING REINSTRATING CLAMPS.

F. MINIMUM CLEARANCE BETWEEN WATERMAIN AND SERVICE SHALL BE 0.5 VERTICAL WHERE WATERMAIN IS BELOW SEWER, OR 2.5 M HORIZONTAL SEPARATION, WHERE WATERMAIN IS ABOVE SEWER, MINIMUM VERTICAL SEPARATION SHALL BE 150 MM OF BEDDING MATERIAL.

G. SERVICE CONNECTIONS SHALL BE MADE USING A SERVICE SADDLE.

H. FOLLOWING TESTING, EACH WATER SERVICE SHALL BE OPERATED TO VERIFY FULL FLOW AND PRESSURE AT THE CURB STOP TO THE SATISFACTION OF THE ENGINEER.

I. THE TOWN'S TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH OPSM MUNI 441 AND ALL REFERENCED SPECIFICATIONS.

J. ALL WATERMAIN TESTING SHALL BE COMPLETED BY THE DEVELOPER'S QUALIFIED THIRD-PARTY CONTRACTOR IN ACCORDANCE WITH THE MCEP WATERMAIN DISINFECTION PROCEDURE. THE TOWN SHALL COLLECT REQUIRED MICROBIOLOGICAL SAMPLES AT THE DEVELOPER'S COST PRIOR TO COMMISSIONING.

K. A RADIO REGISTER SHALL BE INSTALLED AT THE PROPERTY LINE CURB STOP BOX.

L. METER SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

A. SANITARY SERVICE: PVC SDR-35 (OR HIGHER SPECIFICATION AS REQUIRED).
B. SANITARY SERVICE: PVC SDR-28, GREEN.
C. WATERMAIN AND APPURTENANCES SHALL CONFORM TO THE TOWN'S APPROVED WATER DISTRIBUTION MATERIALS LIST.
D. FILTER FABRIC: TERAFLEX 270R OR APPROVED EQUIVALENT.
E. SUBDRAINS: 150 MMØ BIG "O" WITH GEOTEKXILE FILTER SOCK OR APPROVED EQUIVALENT.
F. STORM SERVICE: PVC SDR-35, CONCRETE CLASS III, OR HOPE OPEN PROFILE BELL AND SPIGOT PIPE (BOSS 2000 OR EQUAL) WITH MINIMUM PIPE STIFFNESS OF 320 KPA.
G. STORM SERVICE CONNECTION: PVC SDR-28, 100 MMØ, WHITE.
H. CULVERTS: SMOOTH WALL (HDM: MIN. 320 KPA STIFFNESS) OR CORRUGATED METAL PIPE (MIN. 2.0 MM WALL THICKNESS).
I. RIP-RAP SHALL CONFORM TO OPSS MM104 05.05.
J. ALL AGGREGATES SHALL CONFORM TO OPSS MM101 1010.
K. FIRE HYDRANTS SHALL BE 1.5 M LONG, 100 MM Ø, 150 MM FLANGE, 150 MM FLANGE, IF REQUIRED, SHALL BE INSTALLED BELOW THE 1.85 M SECTION.
L. AUTOMATIC FLUSHING DEVICE SHALL BE KUPFERLE ECKROD 4890A.

A. SUBGRADE AND BOULEVARD MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% SPMD. SUBGRADE SHALL BE PROOF ROLLED AND CERTIFIED PRIOR TO PLACEMENT OF GRANULAR B.

B. GRANULAR A AND GRANULAR B SHALL BE COMPACTED TO 100% SPMD.

C. ROAD STRUCTURE SHALL CONSIST OF GRANULAR B, 150 MM GRANULAR A, 50 MM HL8 BINDER COURSE AND 40 MM HL3 SURFACE COURSE ASPHALT. SUBDRAINS SHALL CONFORM TO OPSS MUNI 405.

D. SELECT SUBGRADE MATERIAL OR APPROVED IMPORTED GRANULAR MATERIAL COMPACTED TO 98% SPMD SHALL BE USED AS FILL WHERE PROPOSED PIPE INVERTS ARE HIGHER THAN EXISTING GRADE OR AS DIRECTED BY THE ENGINEER.

E. SUBDRAINS SHALL BE CONSTRUCTED OF 150 MM DIA. HDPE PIPE CONFORM TO OPSS MUNI 314.

F. EXISTING ASPHALT JOINTS SHALL BE SAW CUT STRAIGHT AND TACK COATED TO NEW ASPHALT PLACEMENT, WHERE EXISTING ASPHALT EXCEEDS 75 MM THICKNESS, PROVIDE A 300 MM WIDE X 40 MM DEEP LAP JOINT; OTHERWISE PROVIDE A BUTT JOINT.

G. STOP SIGNS AND STREET SIGNS SHALL CONFORM TO TOWN STANDARDS.

H. ALL DISTURBED BOULEVARDS SHALL BE REINSTEAD WITH REGRADING, 300 MM TOPSOIL AND SOD IN ACCORDANCE WITH OPSS MUNI 802 AND OPSS MUNI 803.

I. CONCRETE CURB AND GUTTER SHALL CONFORM TO OPSS 310.040, OPSS 600.070 OR TOWN STD. NO. 211 AND OPSS MUNI 353.

J. CONCRETE SIDEWALK SHALL CONFORM TO OPSS 310.010, OPSS 310.030 AND OPSS MUNI 351. PROVIDE A MINIMUM 150 MM GRANULAR A SUBBASE.

K. 100 MM DIA. SUBDRAINS SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY IN GRANULAR A TRENCHES AND CONNECTED TO EACH CB OR CBMH AS PER TOWN STD. NO. 210.

L. SUBDRAINS SHALL BE PERFORMED EXCEPT FOR THE 2 M SECTION IMMEDIATELY UPSTREAM OF STRUCTURES, WHICH SHALL BE NON-PERFORMED.

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TBM1 - ELEVATION 195.24m
TOP OF SIB ON SE SIDE OF EXISTING GRAVEL DRIVEWAY ON
SOUTH SIDE OF SITE.

RAGLAN STREET INFRASTRUCTURE INFORMATION TAKEN
FROM DRAWING G-2336-PP5 PREPARED BY GREENLAND
CONSULTING ENGINEERS DATED JANUARY 11, 2011.

10



TIN SHACK LTD.
430 RAGLAN STREET
TOWN OF COLLINGWOOD



TATHAM
ENGINEERING

DESIGN: JB/AO	FILE: 118188	DWG: DE-1
DRAWN: EJW	DATE: MAR 2026	
CHECK: AO	SCALE: AS NOTED	

DE-1