

SUNBRITE WAREHOUSE

EXPANSION

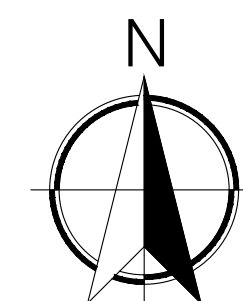
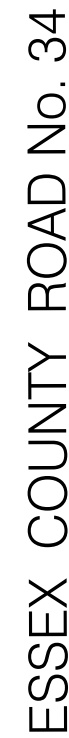
1532 COUNTY ROAD 34, TOWN OF KINGSVILLE



KEY MAP

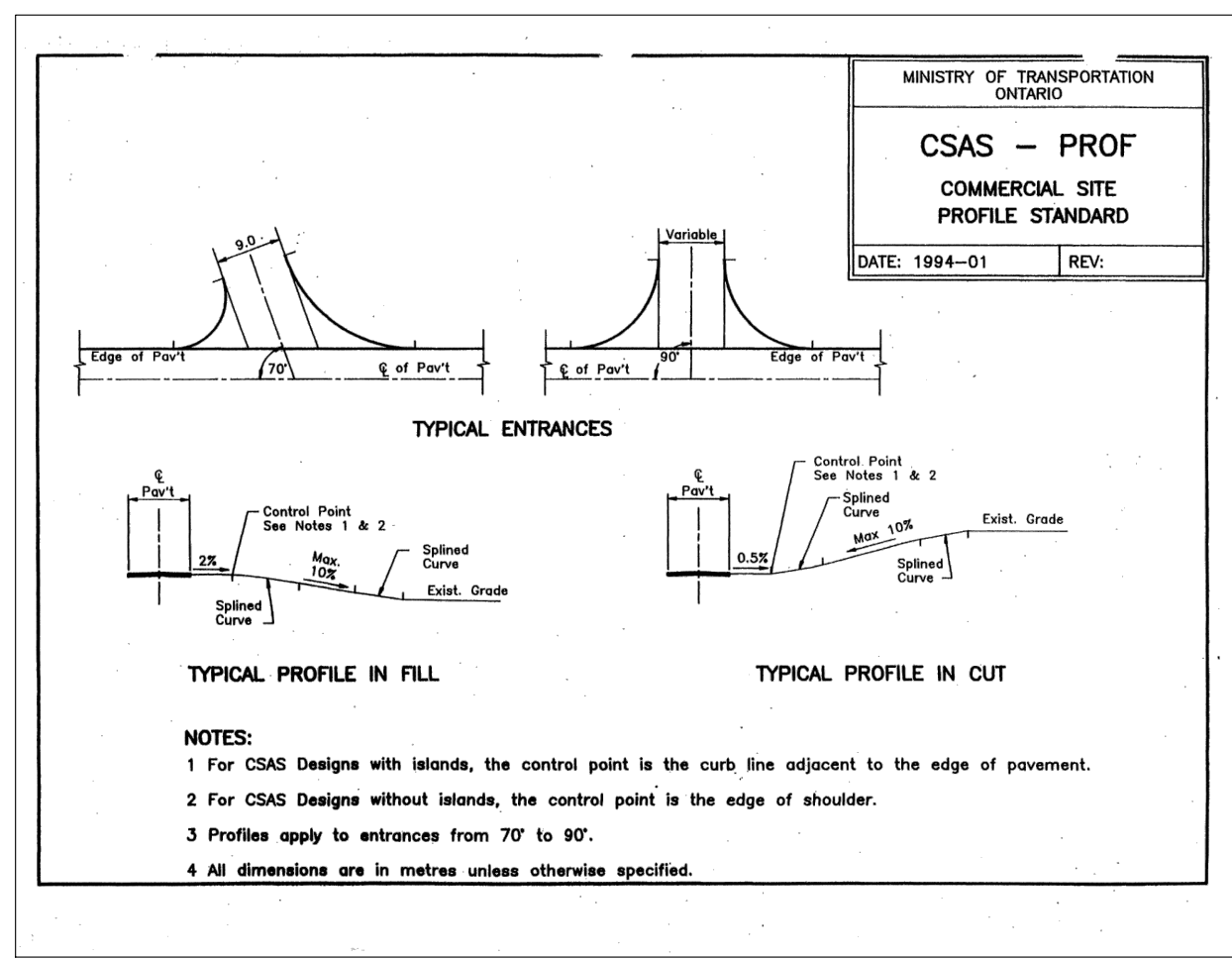
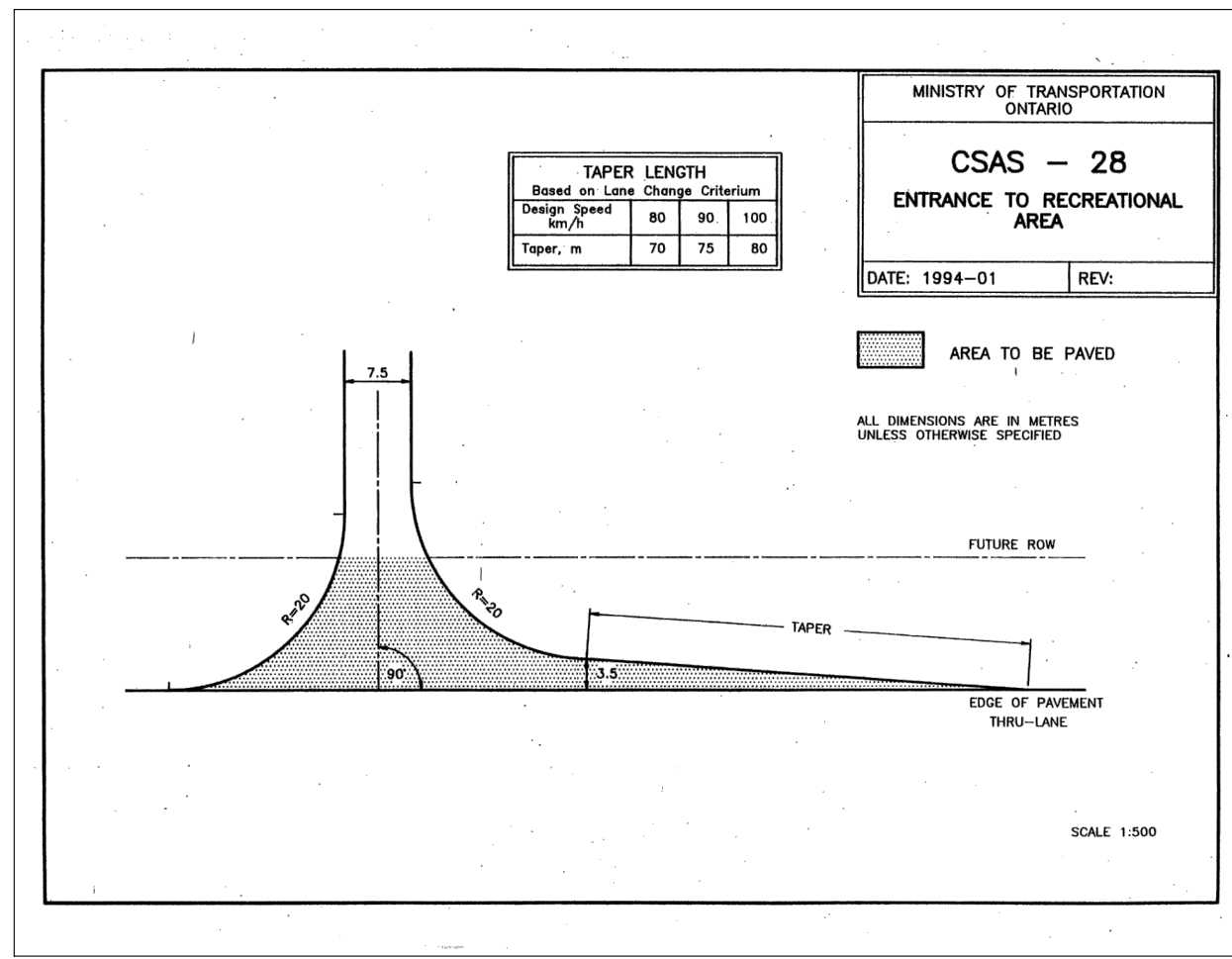
SHEET INDEX	
Sheet Number	Sheet Title
--	TITLE PAGE
C1	SITE PLAN
C2	GRADING PLAN
C3	SERVICING PLAN

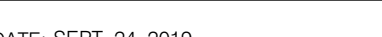
ATTENTION
CONTRACTOR IS RESPONSIBLE FOR CONFIRMING
THE EXACT LOCATION AND PROTECTION OF EXISTING
UTILITIES DURING CONSTRUCTION.

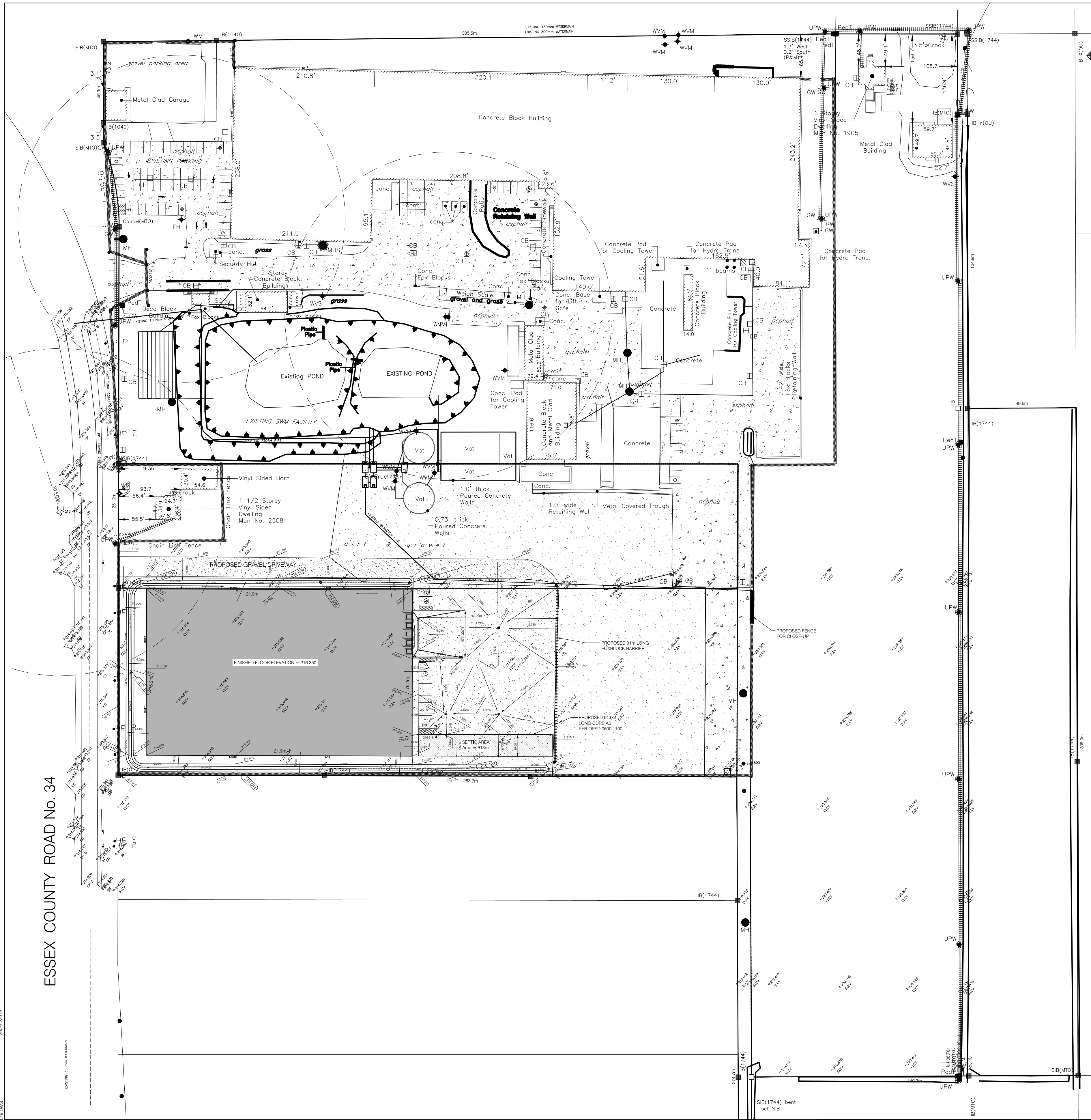


ZONE CATEGORY	REQUIRED - M3	EXISTING	PROPOSED
LOT AREA	1400 sq.m (0.345 ACRES)	162754 sq.m (40.21 ACRES)	162754 sq.m (40.21 ACRES)
LOT FRONTAGE	30 METRES (100 FEET)	337 METRES	337 METRES
LOT DEPTH		391 METRES	391 METRES
FRONT YARD SETBACK	MINIMUM 7.5m (25.00 FEET)	51 METRES	17 METRES
REAR YARD SETBACK	MINIMUM 4.5m (25ft) or 15m (50ft) WHEN ABUTTING A RESIDENTIAL ZONE	20.68 METRES	20.68 METRES
SIDE YARD SETBACK	MINIMUM 6.0m (20 FEET)	42.28 METRES (EXTERIOR) & 15 METRES (INTERIOR)	42.28 METRES (EXTERIOR) & 15 METRES (INTERIOR)
BUILDING AREA		26.01 HECTARES (65.54 ACRES)	26.52 HECTARES (65.53 ACRES)
LOT COVERAGE	MAXIMUM 50%	67.5%	18.5%
PACKING AND SHIPPING FACILITIES SETBACK	MINIMUM 15m (49.21 FEET) FROM ALL LOT LINES	39.76 METRES OR GREATER	15.00 METRES OR GREATER
DRIVEWAY SETBACK	MINIMUM 4.5 METRES (14.76 FEET)	5 METRES OR GREATER	5 METRES OR GREATER
LOADING AREA SETBACKS	MINIMUM 15.00m (50.00 FEET) FROM ALL LOT LINES	41.66 METRES OR GREATER	15.24 METRES OR GREATER
PARKING AREA SETBACKS	MINIMUM 4.5m (14.76 FEET)	36.34 METRES OR GREATER	36.34 METRES OR GREATER
STORMWATER MANAGEMENT	MINIMUM 2 METRES (6.56 FEET) FROM ALL LOT LINES	20.26 METRES OR GREATER	20.26 METRES OR GREATER
PARKING			
INDUSTRIAL	ONE SPACE PER 10 EMPLOYEES	12	47
BARRIER FREE	1	2	2
LOADING SPACES		6	4
BICYCLE (BUNKHOUSE)		27	27

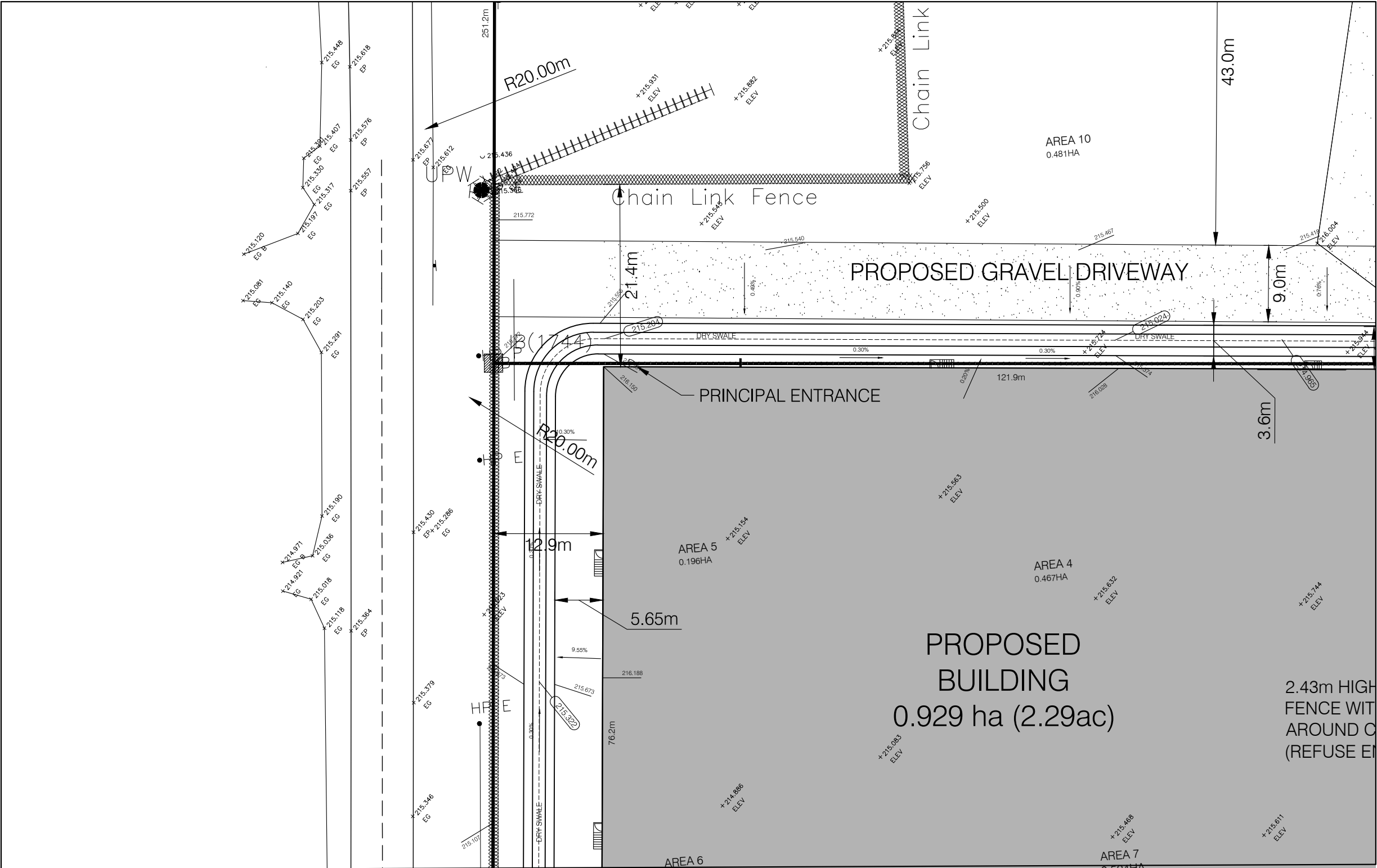
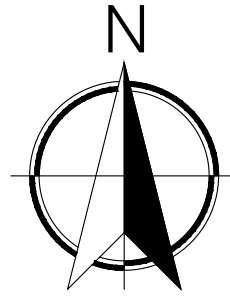
LEGEND	
	GRASS AREA
	PROPOSED BUILDING
	GRAVEL SURFACE
	PROPOSED SURFACE



 DATE: SEPT 24, 2019  MATTHEW J. BAIRD, P.ENG.	DATE	REVISIONS	 27 PRINCESS STREET, SUITE #102 LEAMINGTON, ONTARIO N8H 2A8 1000 - 367 PELLISSIER STREET, WINDSOR, ONTARIO N9A 4K4	PROJECT TITLE: SUNBRITE WAREHOUSE EXPANSION	DATE: SEPT 24, 2019	PROJECT NO: 19-062	
	AUGUST 19, 2019	SUBMITTED TO TOWN OF KINGSVILLE FOR THEIR REVIEW		1532 COUNTY ROAD 34 (KINGSVILLE)	SCALE: 1:1000	DRAWN BY: S.T. CHECKED BY: M.J.B.	SHEET NO: 1
	SEPTEMBER 09, 2019	REVISED BASED ON TOWN OF KINGSVILLE COMMENTS DATES SEPTEMBER 3, 2019		SHEET TITLE: SITE PLAN			
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LEGEND		
DESCRIPTION	EXISTING	PROPOSED
STORM SEWER	---	---
CATCH BASIN	⊠	⊠
BUILDINGS	▨	■
SIDEWALK	▨	▨
SEMI-TRUCK		▢
EXISTING GROUND ELEVATION	187.000	
PROPOSED GROUND ELEVATION		180.000
PROPERTY LINE		---
TOP OF CURB ELEVATION		180.000
BOTTOM OF SWALE ELEVATION		180.000



COUNTY ROAD 34 BLOW UP
SCALE 1:500

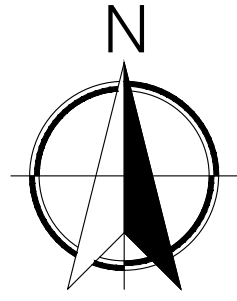
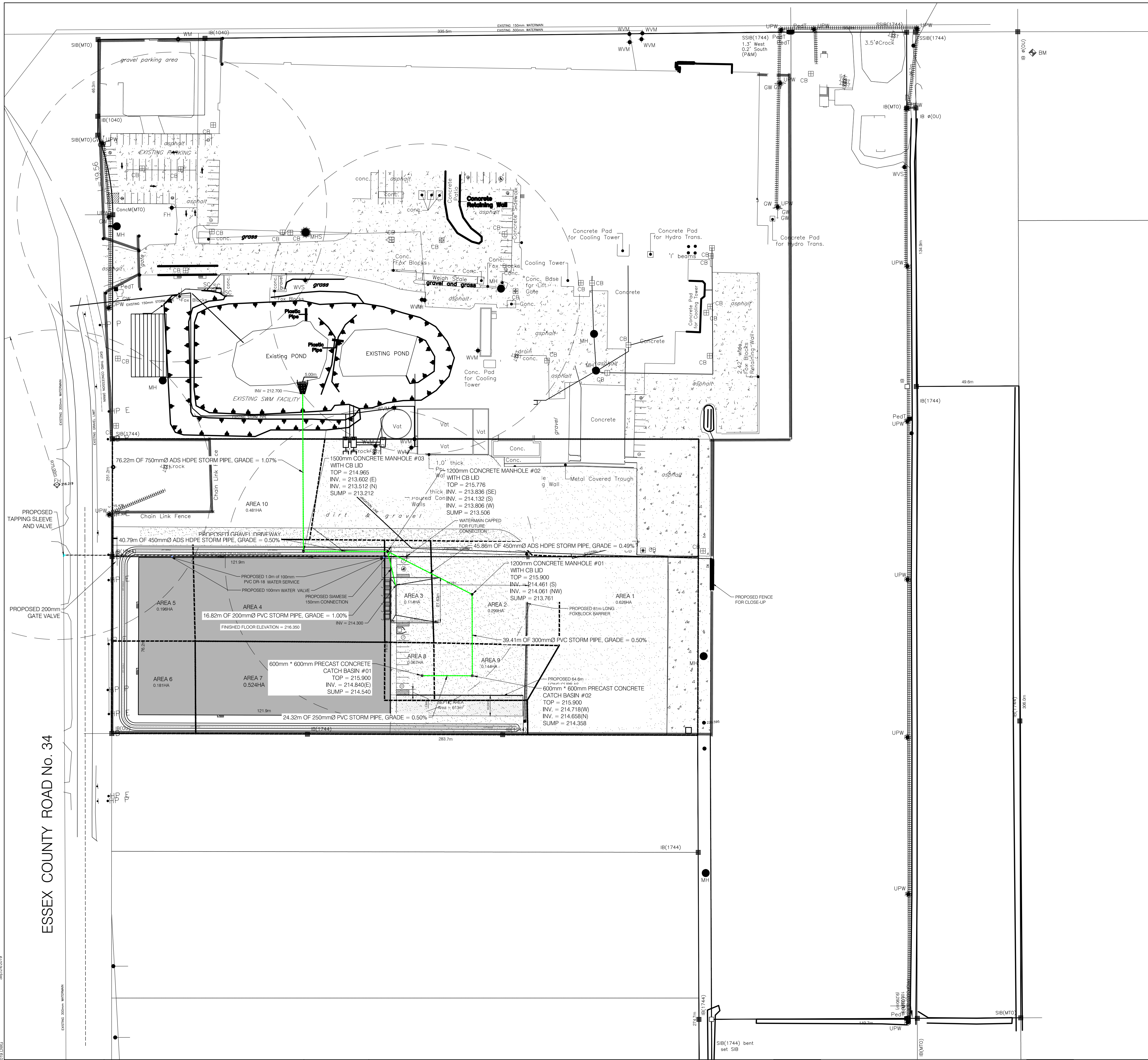


DATE: SEPT 24, 2019
[Signature]
MATTHEW J. BAIRD, P.ENG.

DATE	REVISIONS
AUGUST 19, 2019	SUBMITTED TO TOWN OF KINGSVILLE FOR THEIR REVIEW
SEPTEMBER 09, 2019	REVISED BASED ON TOWN OF KINGSVILLE COMMENTS DATES SEPTEMBER 3, 2019



PROJECT TITLE: SUNBRITE WAREHOUSE EXPANSION 1532 COUNTY ROAD 34 (KINGSVILLE)	DATE: SEPT 24, 2019 SCALE: 1:1000	PROJECT NO: 19-062
SHEET TITLE: GRADING PLAN	DRAWN BY: S.T. CHECKED BY: M.J.B.	SHEET NO: 2



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
STORM SEWER	---	---
CATCH BASIN	☒	☒
BUILDINGS	▨	▨
SIDEWALK	▨	▨
SEMI-TRUCK		▨
EXISTING GROUND ELEVATION	+180.000	
PROPOSED GROUND ELEVATION		180.000
PROPERTY LINE	---	---
TOP OF CURB ELEVATION		180.000
BOTTOM OF SWALE ELEVATION		180.000

SUNBRITE WAREHOUSE EXPANSION, KINGSVILLE STORM SEWER DESIGN SHEET (3-YEAR EVENT, COMPUTED)																									
LOCATION				AREA (m ²)				FLOW										SEWER DATA				PROFILE			
Area ID	Area Included	From Node	To Node	C ₁	C ₂	C ₃	Notes	Inlet Flow (L/s)	Accum. Flow (L/s)	Design Storm Intensity	Rainfall Intensity	Peak Flow (L/s)	Design Flow (L/s)	Design Velocity (m/s)	Design Slope (%)	Type	Slope (%)	Length (m)	Capacity (L/s)	Velocity (m/s)	Flow time (min)	Ratio Q ₁₀	Upstream Elevation (m)	Downstream Elevation (m)	Average Cover (m)
PRELIMINARY PARTS																									
A1	PARKING LOT	CB#01	CB#02	0.087	0.000			0.18	0.18	10.00	5	110.43	10.87	10.87	0.00	PVC	0.00	24.20	42.0	0.88	0.47	47%	214.840	214.778	
A2	PARKING LOT	CB#02	CB#01	0.144	0.000			0.38	0.56	10.47	5	108.88	10.81	10.81	0.00	PVC	0.00	38.52	68.3	0.87	0.88	87%	214.698	214.480	
A3	PARKING LOT	CB#01	CB#02	0.288				0.78	1.34	11.15	5	102.21	10.77	10.77	0.40	ADS HOPE	0.50	44.92	201.5	1.27	0.59	68%	214.081	213.838	
A4	PARKING LOT	CB#02	CB#01	0.114				0.30	1.64	11.74	5	98.53	10.44	10.44	0.40	ADS HOPE	0.50	40.86	201.5	1.27	0.54	80%	213.806	213.601	
A5	GRAVEL AND DRAINAGE	CB#01	INLET DRAIN TO DRAIN	1.364				5.27	8.90	12.28	5	95.45	85.02	82.02	0.750	750	ADS HOPE	1.04	79.37	1,734.7	2.57	0.51	58%	213.512	212.700
								12.28	95.45																
C ₁ = 2.75 m/s, where C ₂ = Flow Velocity = 1.5 m/s or Second (m/s) C ₃ = Flow Velocity = 3.0 m/s C ₄ = Flow Velocity = 1.5 m/s or Second (m/s) C ₅ = Flow Velocity = 3.0 m/s C ₆ = Flow Velocity = 1.5 m/s or Second (m/s) C ₇ = Flow Velocity = 3.0 m/s C ₈ = Flow Velocity = 1.5 m/s or Second (m/s) C ₉ = Flow Velocity = 3.0 m/s C ₁₀ = Flow Velocity = 1.5 m/s or Second (m/s) C ₁₁ = Flow Velocity = 3.0 m/s C ₁₂ = Flow Velocity = 1.5 m/s or Second (m/s) C ₁₃ = Flow Velocity = 3.0 m/s C ₁₄ = Flow Velocity = 1.5 m/s or Second (m/s) C ₁₅ = Flow Velocity = 3.0 m/s C ₁₆ = Flow Velocity = 1.5 m/s or Second (m/s) C ₁₇ = Flow Velocity = 3.0 m/s C ₁₈ = Flow Velocity = 1.5 m/s or Second (m/s) C ₁₉ = Flow Velocity = 3.0 m/s C ₂₀ = Flow Velocity = 1.5 m/s or Second (m/s) C ₂₁ = Flow Velocity = 3.0 m/s C ₂₂ = Flow Velocity = 1.5 m/s or Second (m/s) C ₂₃ = Flow Velocity = 3.0 m/s C ₂₄ = Flow Velocity = 1.5 m/s or Second (m/s) C ₂₅ = Flow Velocity = 3.0 m/s C ₂₆ = Flow Velocity = 1.5 m/s or Second (m/s) C 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