

GEORGIAN BAY

EAST BAY SHORE ROAD

32ND STREET E

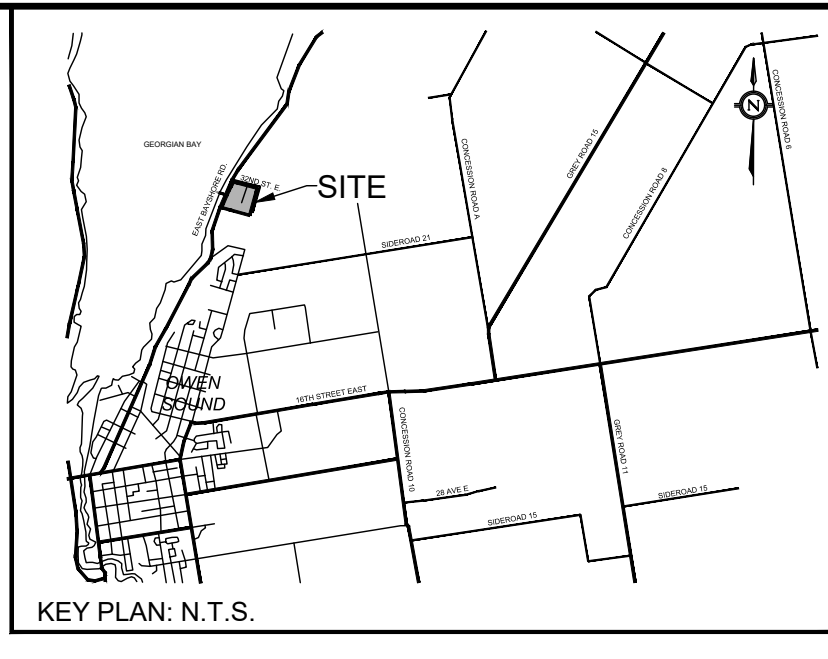
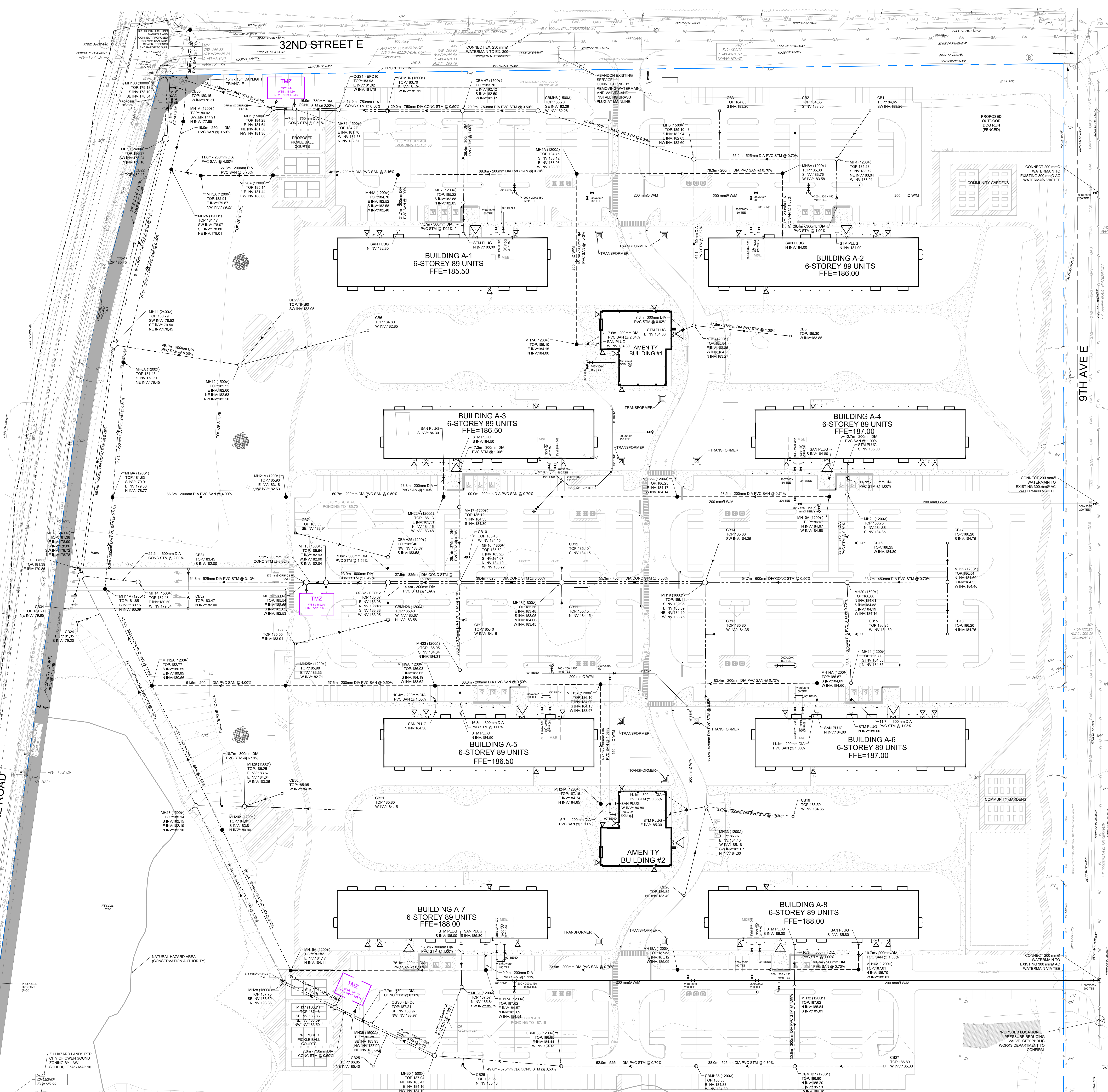
9TH AVE E

GRAVEL TRAIL / OPEN SPACE

GRAVEL TRAIL / OPEN SPACE

GRAVEL TRAIL / OPEN SPACE

KENNEY DRAIN

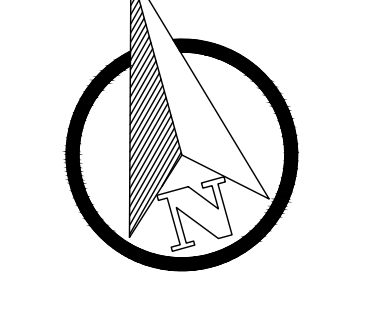


NOTE: SINGLE AND DOUBLE CB LEADS ARE TO BE 200 AND 250 mm UNLESS OTHERWISE NOTED.

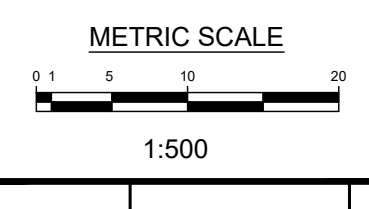
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1	10/21/2022 ISSUE FOR PERMIT



NORTH ARROW

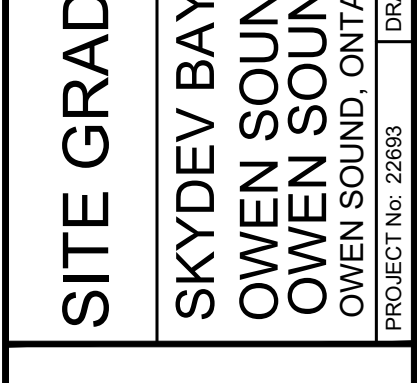
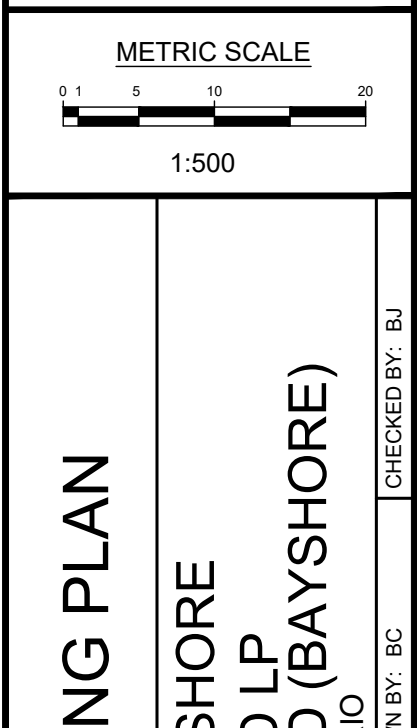
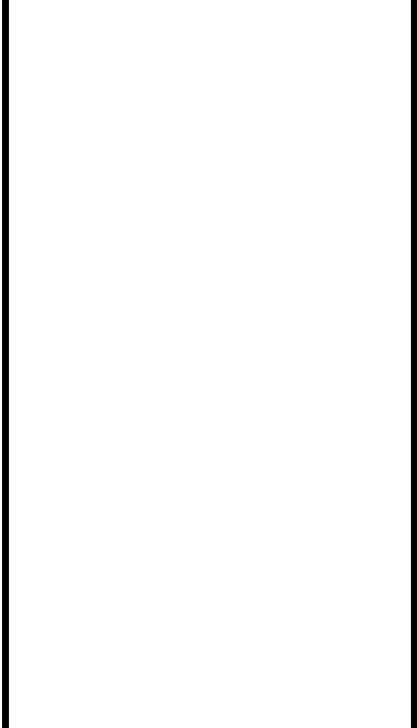
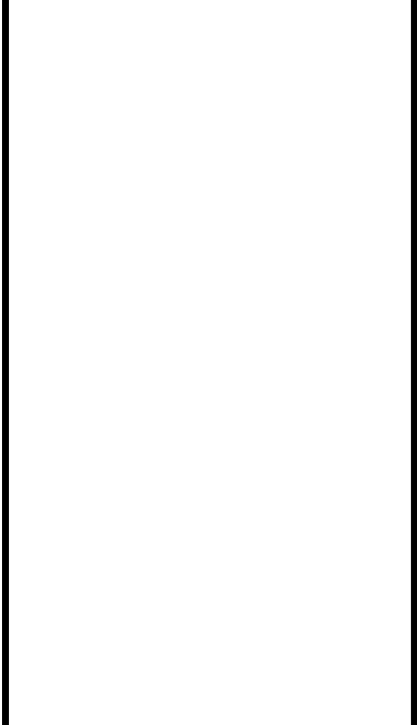
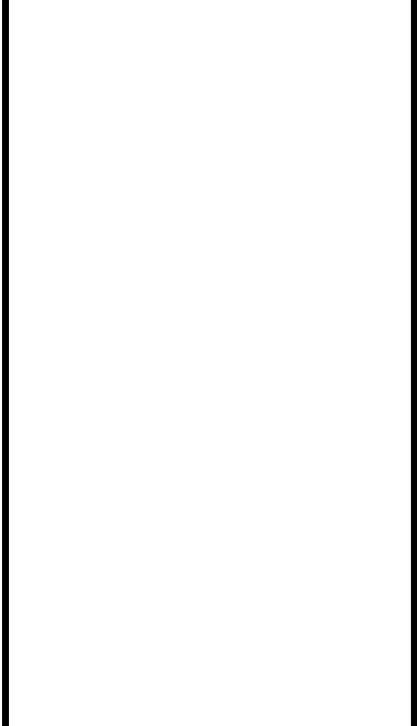
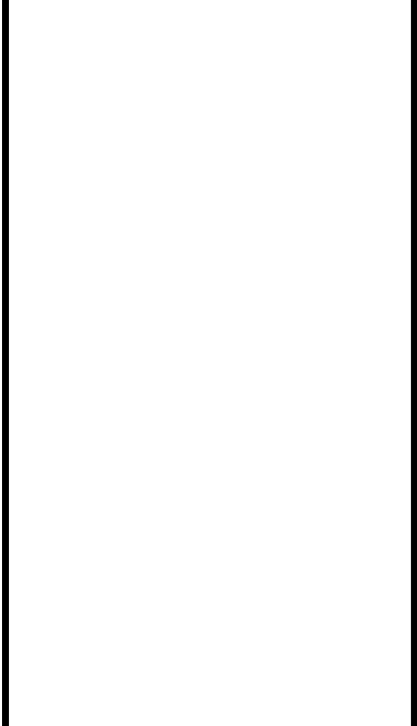
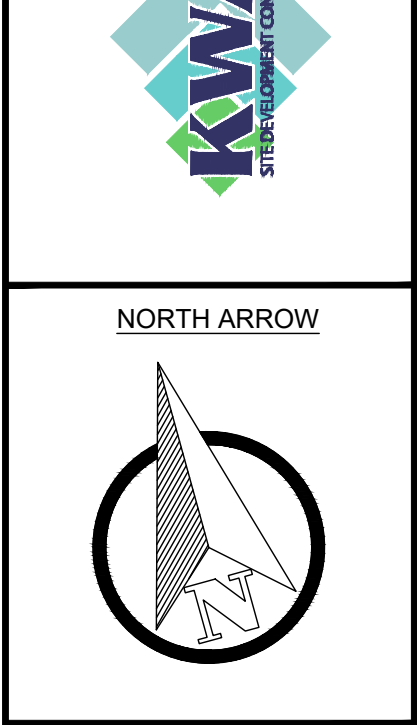
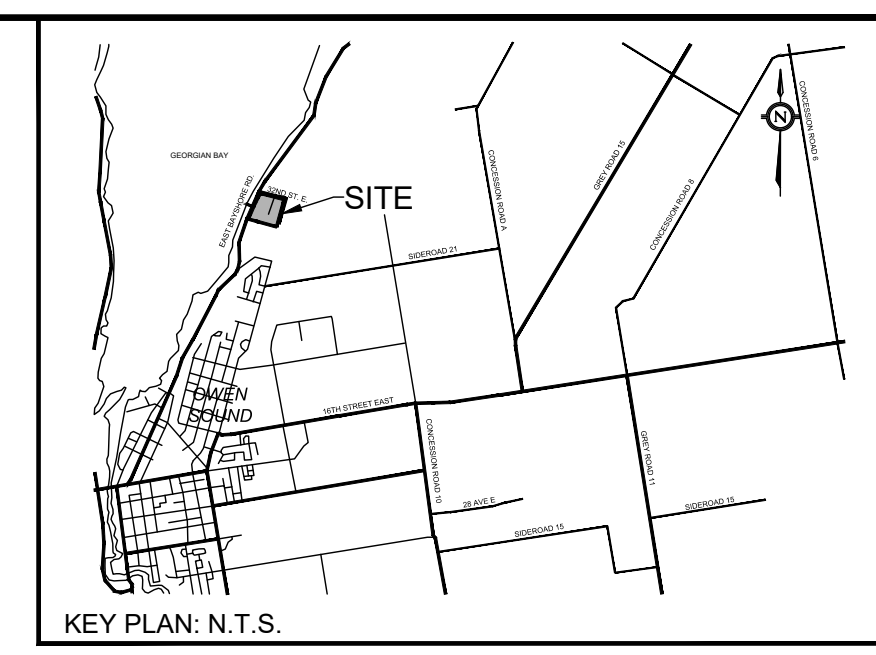


LEGEND	
	PROPOSED STORM SEWER
	PROPOSED STORM MANHOLE (SIZE AS SHOWN)
	PROPOSED STORM CATCHBASIN MANHOLE (SIZE AS SHOWN)
	PROPOSED CATCHBASIN
	PROPOSED DOUBLE CATCHBASIN
	EXISTING STORM SEWER
	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	EXISTING DOUBLE CATCHBASIN
	PROPOSED SANITARY SEWER
	PROPOSED SANITARY MANHOLE (SIZE AS SHOWN)
	EXISTING SANITARY SEWER
	EXISTING SANITARY MANHOLE
	PROPOSED WATERMAIN
	PROPOSED HYDRANT AND VALVE
	PROPOSED VALVE AND BOX
	EXISTING WATERMAIN
	EXISTING HYDRANT
	EXISTING VALVE AND BOX
	PROPOSED SUBDRAIN
	THERMAL MITIGATION ZONE
	WATER METER IN BUILDING

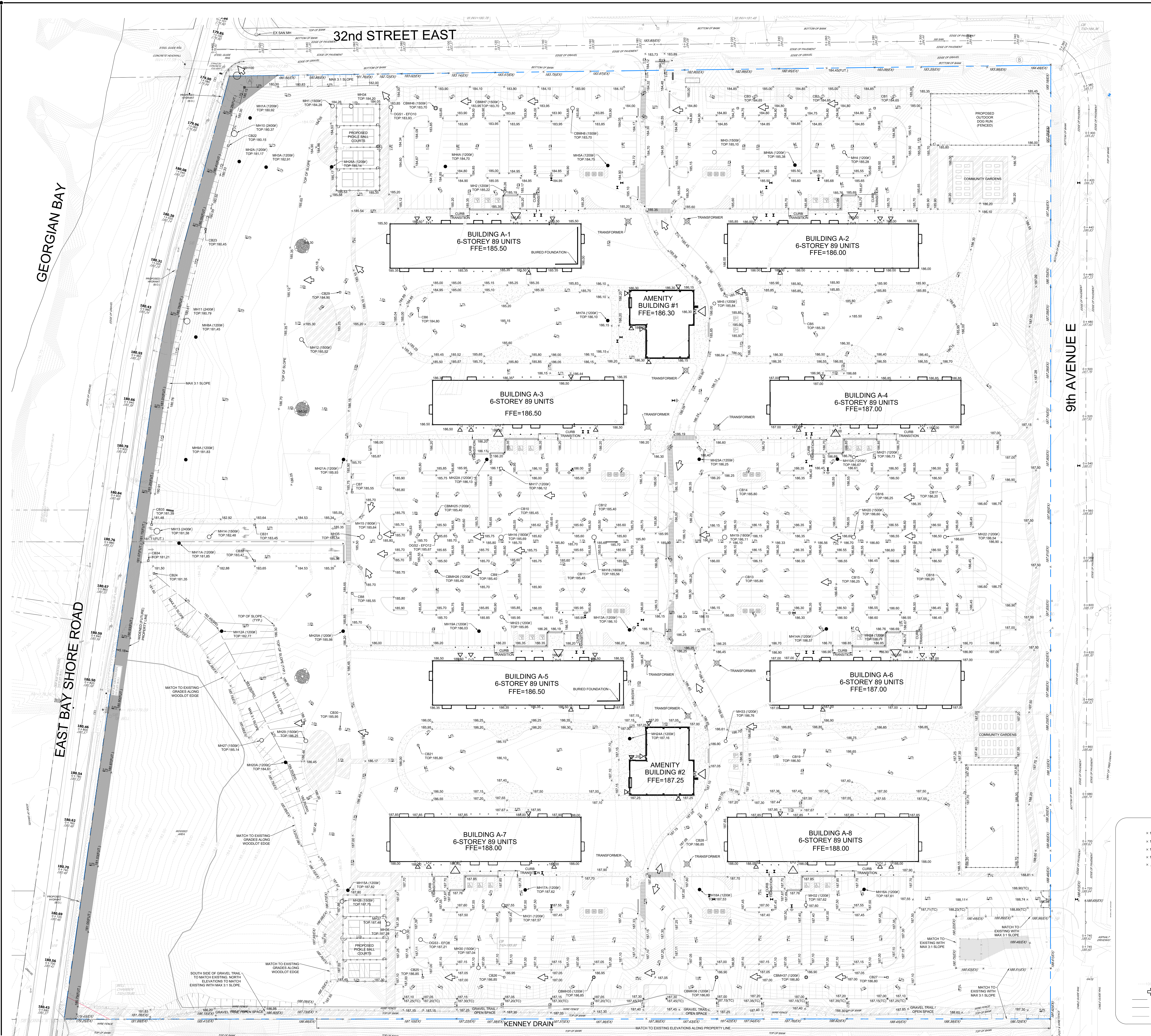


SITE SERVICING PLAN
 SKYDEV BAYSHORE
 OWEN SOUND LP
 OWEN SOUND (BAYSHORE)
 PROJECT No. 20203 DRAWN BY: BS
 CHECKED BY: BS
 SSP

REVISION BLOCK	
#	DATE DESCRIPTION
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SGP

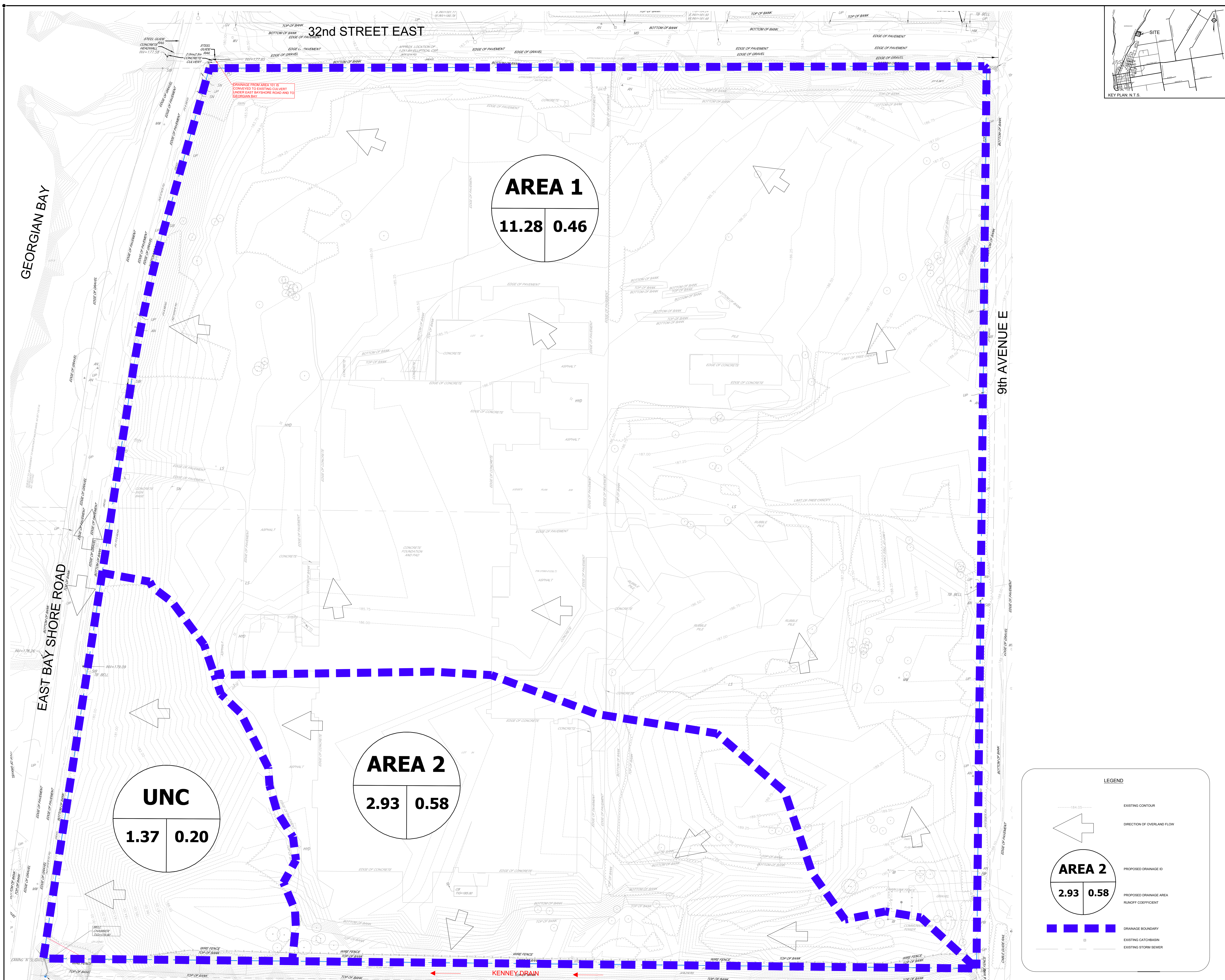


LEGEND	
× 100.00	PROPOSED PAVEMENT ELEVATION
× 100.00(T)	PROPOSED TOP OF CURB ELEVATION
× 100.00(F)	PROPOSED FUTURE ELEVATION BY OTHERS
× 100.00(S)	PROPOSED SHALE CENTERLINE ELEVATION
× 100.00(E)	PROPOSED ELEVATION TO MATCH EXISTING ELEVATION
○	PROPOSED STORM MANHOLE (SEE AS SHOWN)
○	PROPOSED DOUBLE CATCHBASIN
○	EXISTING STORM MANHOLE
○	EXISTING DOUBLE CATCHBASIN
○	EXISTING CATCHBASIN
○	EXISTING DOUBLE CATCHBASIN
○	PROPOSED HYDRANT AND VALVE
○	EXISTING SANITARY MANHOLE (SEE AS SHOWN)
○	PROPOSED VALVE AND BOX
○	EXISTING HYDRANT
○	EXISTING VALVE AND BOX
○	EXISTING CONTOUR
○	DIRECTION OF EMERGENCY OVERLAND FLOW
○	PROPOSED BOTTOM OF SWALE
○	PROPOSED TOP OF SLOPE
○	EXISTING TOP OF SLOPE

METRIC SCALE

1:500

SITE GRADING PLAN
 SKYDEV BAYSHORE
 OWEN SOUND LP
 OWEN SOUND (BAYSHORE)
 PROJECT NO. 2020-01
 (ENGINEER: B.J. LEWIS)

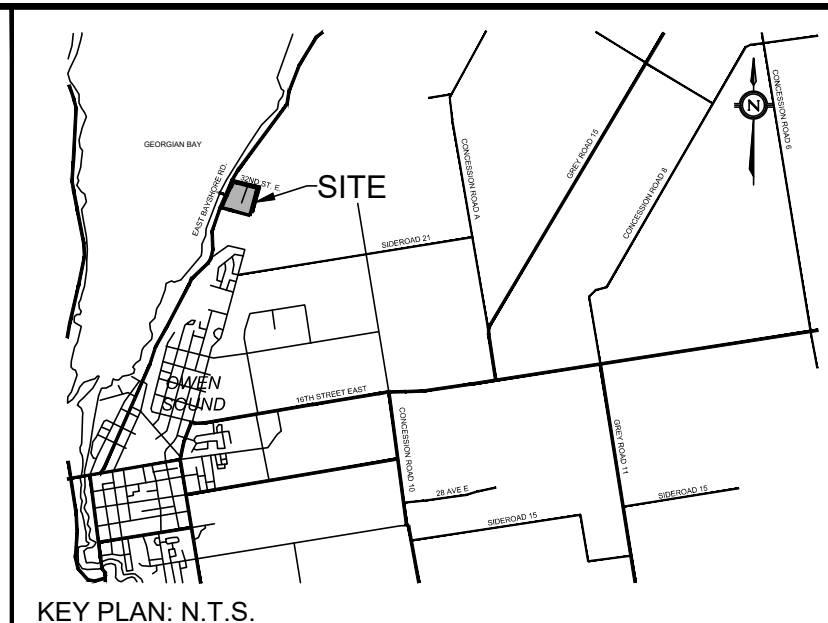


DRAINAGE FROM AREA 1 TO BE CONVEYED TO EXISTING CULVERT UNDER EAST BAY SHORE ROAD AND TO GEORGIAN BAY

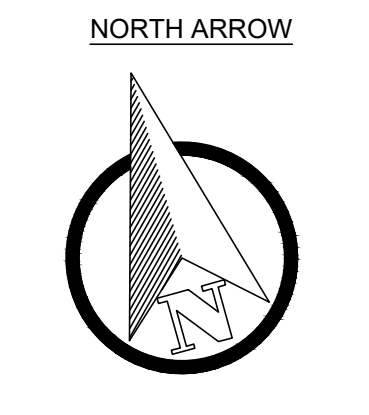
AREA 1
11.28 0.46

AREA 2
2.93 0.58

UNC
1.37 0.20



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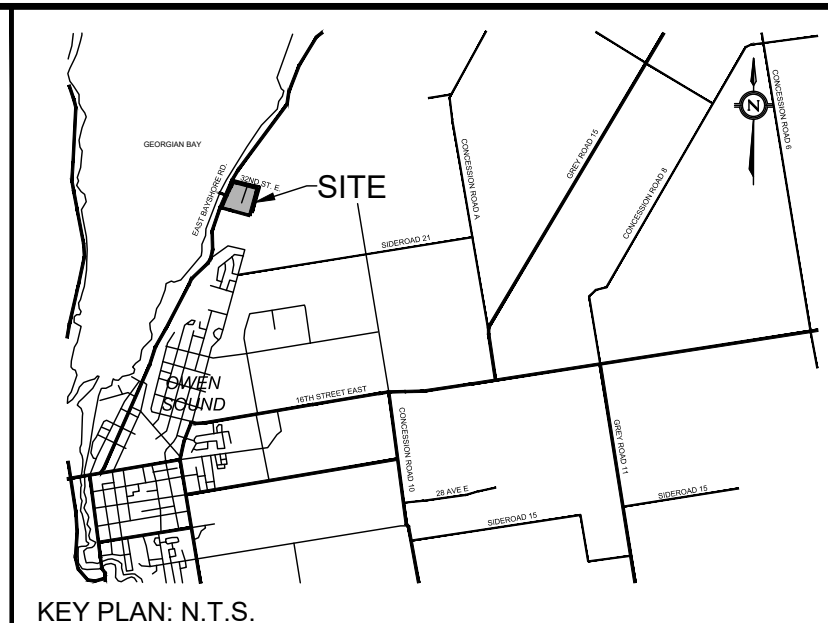


LEGEND

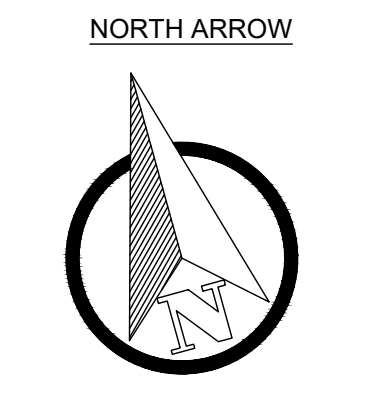
- EXISTING CONTOUR
- DIRECTION OF OVERLAND FLOW
- AREA 2**
2.93 0.58
- PROPOSED DRAINAGE ID
- PROPOSED DRAINAGE AREA
RUNOFF COEFFICIENT
- DRAINAGE BOUNDARY
- EXISTING CATCHBASIN
- EXISTING STORM SEWER

METRIC SCALE
1:500

EXISTING DRAINAGE PLAN
SKYDEV BAYSHORE
OWEN SOUND LP
OWEN SOUND (BAYSHORE)
OWEN SOUND, ONTARIO
EDP



REVISION BLOCK	
#	DATE DESCRIPTION
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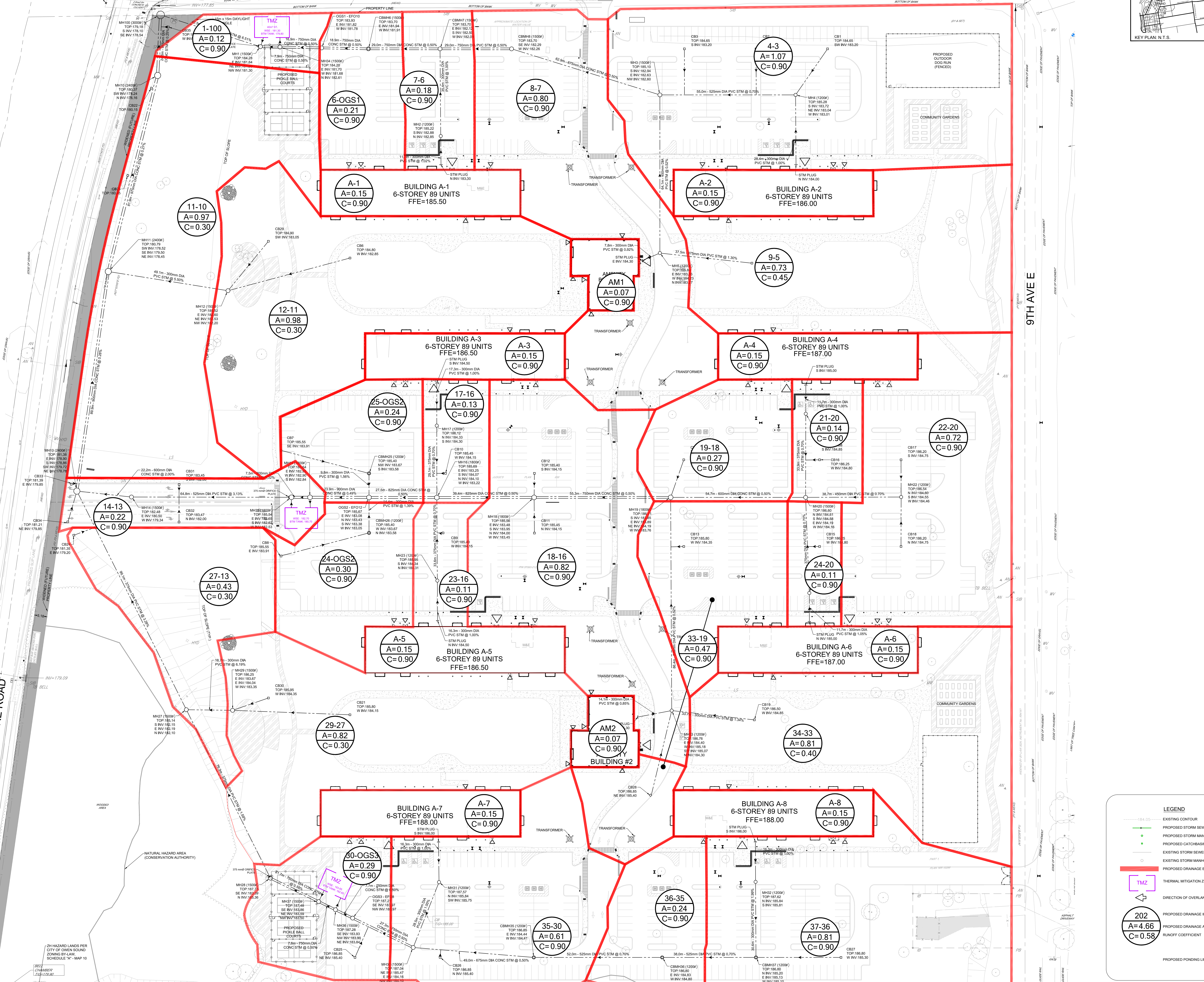


GEORGIAN BAY

9TH AVE E

EAST BAY SHORE ROAD

32ND STREET E



ZM HAZARD LANDS FOR CITY OF OWEN SOUND ZONING BY-LAW SCHEDULE "A", MAP 10

NATURAL HAZARD AREA (CONSERVATION AUTHORITY)

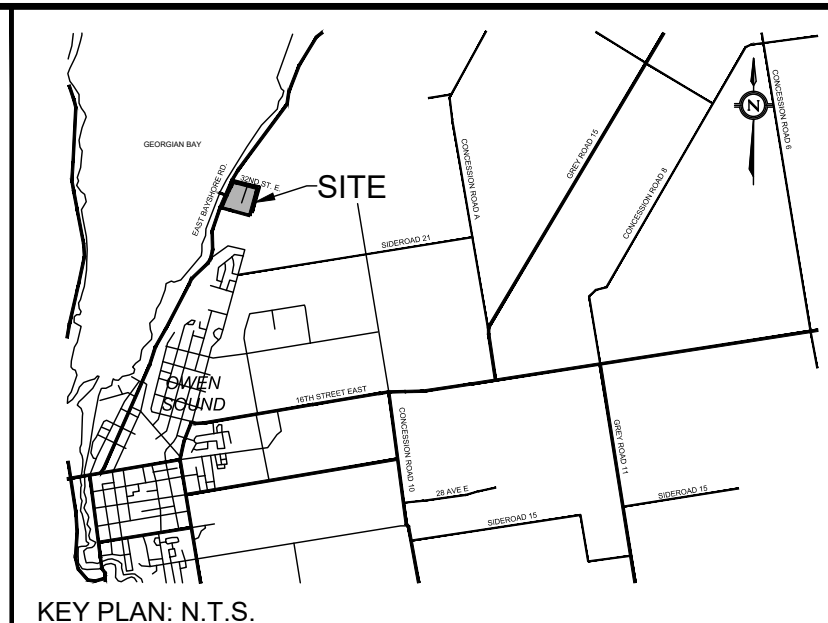
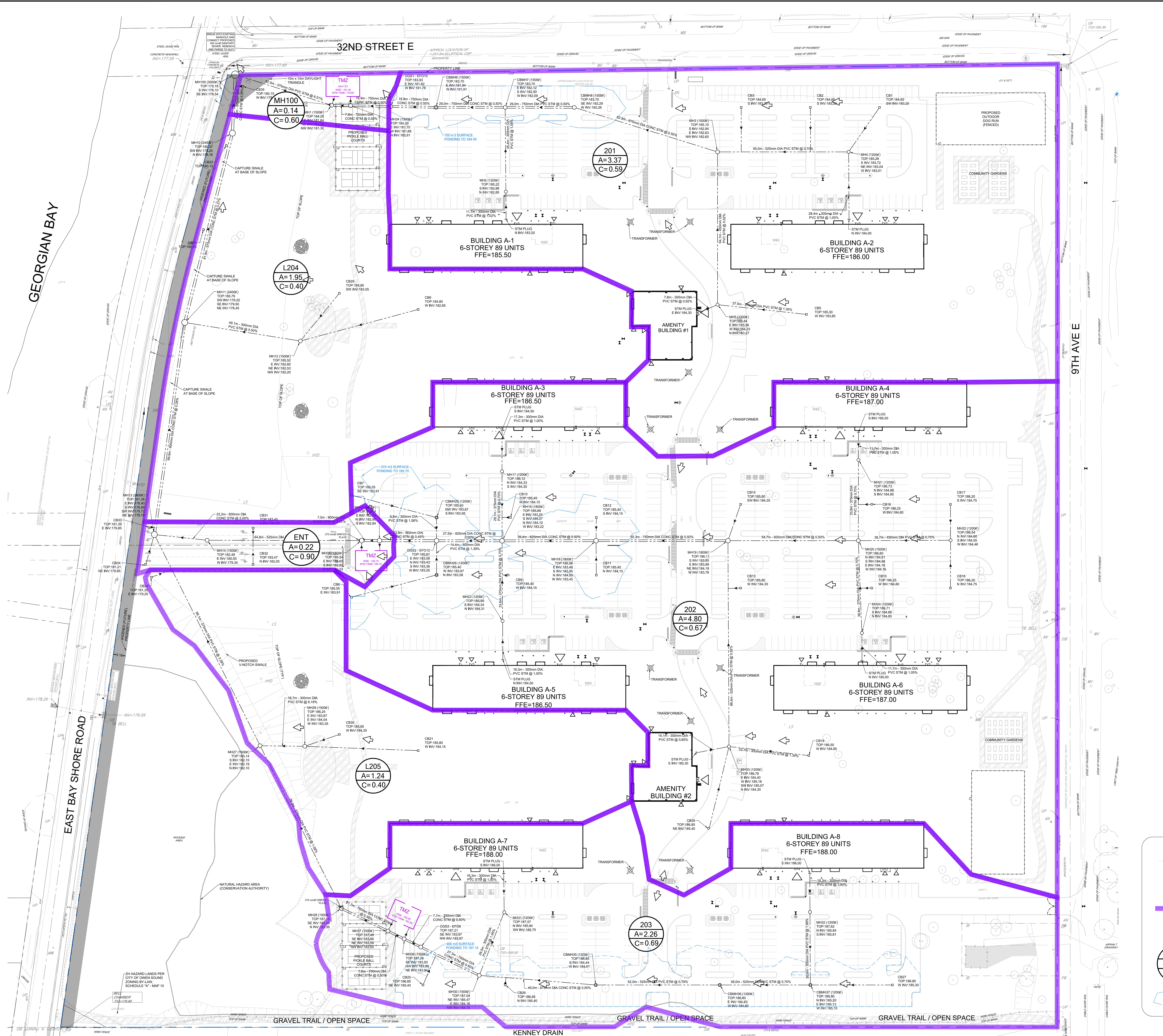
LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE (as shown)
- PROPOSED CATCH-BASIN
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- PROPOSED DRAINAGE BOUNDARY
- TMZ
- DIRECTION OF OVERLAND FLOW
- PROPOSED DRAINAGE ID
- PROPOSED DRAINAGE AREA
- RUNOFF COEFFICIENT
- PROPOSED PONDING LIMIT

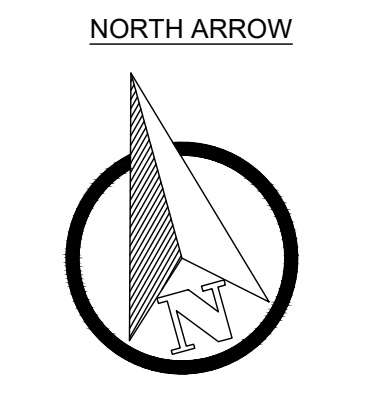
METRIC SCALE
1:500

PROPOSED DRAINAGE PLAN
SKYDEV BAYSHORE
OWEN SOUND LP
OWEN SOUND (BAYSHORE)
PDP

PROJECT No. 2020 DRAWN BY: BC CHECKED BY: BC

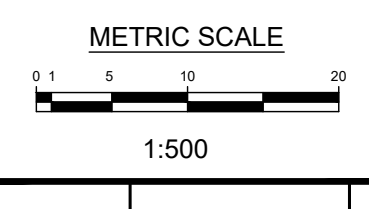


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LEGEND

- 184.00- EXISTING CONTOUR
- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE (SHOWN AS BROWN)
- PROPOSED CATCHBASIN
- EXISTING STORM SEWER
- EXISTING STORM MANHOLE
- PROPOSED DRAINAGE BOUNDARY
- THERMAL MITIGATION ZONES
- DIRECTION OF OVERLAND FLOW
- PROPOSED DRAINAGE ID
- PROPOSED DRAINAGE AREA
- RUNOFF COEFFICIENT
- PROPOSED PONDING LIMIT



STORMWATER MANAGEMENT PLAN
 SKYDEV BAYSHORE
 OWEN SOUND LP
 OWEN SOUND, ONTARIO (BAYSHORE)

PROJECT No. 2002 DRAWN BY: BC CHECKED BY: BC

SWM

GEORGIAN BAY

9TH AVE E

EAST BAY SHORE ROAD

32ND STREET E

BUILDING A-1
6-STORY 89 UNITS
FFE=185.50

BUILDING A-2
6-STORY 89 UNITS
FFE=186.00

BUILDING A-3
6-STORY 89 UNITS
FFE=186.50

BUILDING A-4
6-STORY 89 UNITS
FFE=187.00

BUILDING A-5
6-STORY 89 UNITS
FFE=186.50

BUILDING A-6
6-STORY 89 UNITS
FFE=187.00

BUILDING A-7
6-STORY 89 UNITS
FFE=188.00

BUILDING A-8
6-STORY 89 UNITS
FFE=188.00

MH100
A=0.14
C=0.60

201
A=3.37
C=0.59

L204
A=1.95
C=0.40

ENT
A=0.22
C=0.90

202
A=4.80
C=0.67

L205
A=1.24
C=0.40

203
A=2.26
C=0.69

202
A=4.66
C=0.58

ZM HAZARD LANDS PER CITY OF OWEN SOUND ZONING BY-LAW SCHEDULE "A" - MAP 10

GRAVEL TRAIL / OPEN SPACE

GRAVEL TRAIL / OPEN SPACE

GRAVEL TRAIL / OPEN SPACE

KENNEY DRAIN

GENERAL NOTES

- ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE CONSTRUCTED ACCORDING TO THE LATEST CITY OF OWEN SOUND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS MAY, SUBJECT TO THE APPROVAL OF THE CITY OF OWEN SOUND, BE USED WHERE NO CITY STANDARD OR SPECIFICATION IS AVAILABLE.
- ALL WORK SHALL BE COMPLETED ACCORDING TO THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- ALL MATERIALS FOR SEWER, FORCEMAIN, WATERMAIN, HYDRANTS AND APPURTENANCES, SHALL BE ACCORDING TO OWEN SOUND MUNICIPAL STANDARDS.
- ALL SURVEY STAKE LAYOUT POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- ALL DIMENSIONS ARE EXPRESSED IN METERS(m) AND PIPE SIZES ARE EXPRESSED IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
- ALL TEMPORARY CONSTRUCTION FENCING, TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION (INCLUDING ALL NECESSARY SIGNALS, SIGNS, DELINEATORS, MARKERS AND BARRIERS) SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL BOOK 7: TEMPORARY CONDITIONS FIELD EDITION.
- INFORMATION REGARDING ALL EXISTING UNDERGROUND UTILITIES AND SERVICES SHOWN ON THE DRAWINGS IS BASED ON INFORMATION PROVIDED BY OTHERS AND/OR AVAILABLE HISTORICAL DRAWINGS. THE ACCURACY OF THIS INFORMATION HAS NOT BEEN CONFIRMED BY KWA SITE DEVELOPMENT CONSULTING AND ALL UNDERGROUND INFORMATION NEEDS TO BE VERIFIED IN THE FIELD PRIOR TO BIDDING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ALL UTILITY LOCATES PRIOR TO CONSTRUCTION AND TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES. ANY LOST TIME DUE TO FAILURE TO IDENTIFY DISCREPANCIES OR NOTIFY THE ENGINEER SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE.
- CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL NECESSARY CONSTRUCTION FENCING.
- THIS DRAWING SET SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT'S PLANS AND ANY DISCREPANCIES REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION AND ANY DISCREPANCIES REPORTED TO THE ENGINEER.
- NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT ENGINEERS APPROVAL AND ACCEPTANCE BY THE CITY OF OWEN SOUND.
- ALL DISTURBED AREAS ON PRIVATE LANDS SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE ENGINEER. WITHIN CITY RIGHT-OF-WAY AND EASEMENTS, REPAIRS TO ORIGINAL CONDITION OR BETTER MUST BE TO THE SATISFACTION OF THE CITY OF OWEN SOUND.
- THE CONTRACTOR IS ADVISED THAT WORKS AND OPERATIONS BY OTHERS MAY BE ONGOING AT THE SAME TIME AS THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND PREVENT CONSTRUCTION CONFLICTS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS INCLUDING ROAD OCCUPANCY PERMITS AND THIRD PARTY UTILITY COSTS.
- THE CONTRACTOR IS TO PROVIDE A WEEKLY REDLINE AS-BUILT SURVEY TO THE ENGINEER FOR REVIEW. AS-BUILT TO SHOW PIPE ALIGNMENT AND INVERT, PIPE SIZE, PIPE MATERIAL, MAINTENANCE HOLES, HYDRANTS, VALVES AND BENDS.
- THE CONTRACTOR IS TO PROVIDE AN AS-BUILT SURVEY OF COMPLETED SERVICING AND GRADING WORKS, INCLUDING INVERTS, ALL ABOVE GROUND WORKS, AND SPOT ELEVATIONS AT A MAXIMUM 10m GRID INTERVAL. ALL ABOVEGROUND ITEMS, INCLUDING CURBS, SIDEWALKS, WALLS, BUILDING APRONS, STAIRS, ETC. TO INCLUDE ADEQUATE SPOT ELEVATIONS TO CONFIRM DESIGN INTENT (IE. DRAINAGE AROUND CURBED ISLANDS, TOP & BOTTOM OF CURB, SHOTS ON EACH RISER, ETC.). SURVEY TO BE PREPARED BY LICENSED ONTARIO LAND SURVEYOR.
- ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE SITE-SPECIFIC GEOTECHNICAL REPORT BY WSP, DATED JULY 7, 2017.
- THE CONTRACTOR IS RESPONSIBLE TO INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROLS AS REQUIRED BY THIS CONTRACT AND CITY AND PROVINCIAL STANDARDS.

GRADING

- ALL SUBGRADE TO BE PROOF-ROLLED BY A FULLY LOADED TRI-AXLE TRUCK AND INSPECTED PRIOR TO PLACEMENT OF GRANULAR MATERIALS. THE CONTRACTOR IS TO ENSURE THAT THE GEOTECHNICAL CONSULTANT WITNESSES THE PROOF-ROLL AND GIVES APPROVAL TO PROCEED FORWARD. ANY SOFT SPOTS IDENTIFIED WILL BE CORRECTED BY THE CONTRACTOR BASED UPON GEOTECHNICAL RECOMMENDATIONS IN THE FIELD. ADDITIONAL COSTS FOR REMEDIAL WORK MUST BE APPROVED BY THE ENGINEER PRIOR TO PROCEEDING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL INSPECTIONS.
- LINE PAINTING SHALL BE APPLIED WITH A MINIMUM OF TWO (2) COATS OF ORGANIC SOLVENT BASED PAINT.
- PROVIDE STEP JOINT AT THE INTERFACE OF ALL PROPOSED AND EXISTING ASPHALT AREAS, REFER TO DETAIL ON SD1. WHERE THE THICKNESS OF THE ADJACENT PAVEMENT IS LESS THAN 90mm, A BUTT JOINT SHALL SURFACE. PROVIDE TACK COAT ON ALL SURFACES.
- ANY TEMPORARY RE-USE TO BE IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS AND APPROVAL.
- GRADES TO MEET EXISTING OR PROPOSED ELEVATIONS SHALL BE AT 3:1 SLOPE OF FLATTER UNLESS OTHERWISE NOTED.
- ALL TREE AND SHRUB RELOCATION SHALL BE IN ACCORDANCE WITH THE LANDSCAPE PLANS.
- ALL ITEMS FOR REMOVAL SHALL BE TAKEN AWAY FROM SITE AND DISPOSED OF AT AN APPROVED DISPOSAL FACILITY.
- ALL DISTURBED AREAS TO BE REINSTATED TO ORIGINAL CONDITION OR BETTER.
- DIMENSIONS AND LOCATION OF ALL RAMPS, PAINTED LINES, WALKWAYS, SIDEWALKS, CURBS, CONCRETE PADS, AND ISLANDS SHALL BE TAKEN FROM THE SITE PLAN.
- SAW CUT EXISTING PAVEMENT, SIDEWALK, CURB, GUTTER, DRIVEWAYS, WALKWAYS, ETC. AT CONSTRUCTION LIMITS TO PROVIDE A CLEAN JOINT FOR THE PROPOSED WORK.
- CONCRETE BARRIER CURB AS PER OPSD 600.110, CONCRETE CURB AND GUTTER AS PER OPSD 600.04.
- PAVEMENT STRUCTURES TO BE AS PER GEOTECHNICAL RECOMMENDATIONS FOLLOWING THE REPORT PREPARED BY WSP, DATED JULY 7, 2017.

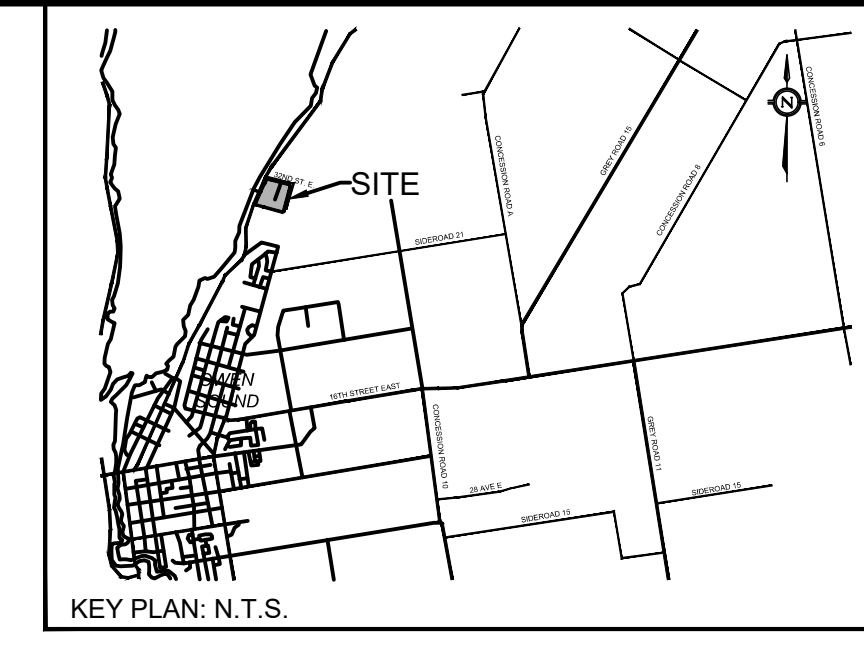
- * MINIMUM PAVEMENT (15 YEAR DESIGN LIFE)
 - ** 40mm HL3 SURFACE COURSE ASPHALT CONCRETE (OPSS.MUNI 1150)
 - ** 50mm HL8 BINDER COURSE ASPHALT CONCRETE (OPSS.MUNI 1150)
 - ** 150mm GRANULAR 'A' BASE (OPSS.MUNI 1010)
 - ** 350mm GRANULAR 'B' SUBBASE (OPSS.MUNI 1010)

SANITARY AND STORM SEWERS

- ALL SANITARY AND STORM SEWER CONSTRUCTION IS TO BE DONE IN ACCORDANCE WITH OPSS AND OWEN SOUND MUNICIPAL ENGINEERING DESIGN STANDARDS.
- ALL SANITARY SEWERS TO BE PVC SDR35 CONFORMING TO CSA B182.2.
- ALL CIRCULAR CONCRETE STORM SEWERS 600mm DIAMETER AND GREATER TO BE REINFORCED CONCRETE PIPE CONFORMING TO CSA STANDARD A257.2 UNLESS OTHERWISE NOTED.
- ALL CIRCULAR PVC STORM SEWERS TO BE PVC DR35 CONFORMING TO CSA STANDARD B182.2 AND OPSD 806.040.
- UNLESS OTHERWISE NOTED, MINIMUM SIZE OF SINGLE CATCH-BASIN LEADS TO BE 250mm DIAMETER (PVC SDR35), UNLESS OTHERWISE NOTED, ALL DOUBLE CATCH-BASIN LEADS TO BE 300mm DIAMETER (PVC SDR35).
- CATCHBASIN LEADS CONNECTED TO MAINLINE SEWERS SHALL BE CONNECTED AS PER OPSD 708.010 AND 708.030.
- MINIMUM COVER FOR STORM SEWERS SHALL BE 1.3M FROM FINISHED GRADE AND 1.5m FROM CENTRELINE OF ROAD.
- MINIMUM COVER FOR SANITARY SEWERS SHALL BE 2.0M FROM FINISHED GRADE.
- SANITARY AND STORM SEWER BEDDING, COVER, BACKFILL, MATERIAL, AND COMPACTION TESTING TO BE AS PER GEOTECHNICAL RECOMMENDATIONS.
- MAINTENANCE HOLES SHALL BE ACCORDING TO OPSD 701.010 (1200 DIAMETER) TO 701.015 (3600 DIAMETER) UNLESS OTHERWISE SPECIFIED. FRAME AND COVER SHALL BE ACCORDING TO OPSD 401.010 TYPE A CLOSED (SANITARY AND STORM) UNLESS STATED OTHERWISE. INCLUDE SAFETY PLATFORM WHERE DEPTHS EXCEED 5.0m.
- MAINTENANCE HOLE CHAMBER OPENINGS SHALL BE LOCATED ON THE SIDE OF THE MANHOLE PARALLEL TO THE FLOW FOR STRAIGHT RUN MANHOLES, OR ON THE UPSTREAM SIDE OF THE MANHOLE AT ALL JUNCTIONS..
- MAINTENANCE HOLE STEPS TO BE AS PER SOLID ALUMINUM AS PER OPSD 405.020.
- MAINTENANCE HOLE ADJUSTMENT UNITS TO BE PRECAST AS PER OPSD 704.010. CLAY BRICK IS NOT ACCEPTABLE.
- BENCHING DETAILS SHALL BE ACCORDING TO OPSD 701.021. ALL SANITARY/STORM SEWER MANHOLES SHALL BE BENCHED TO THE OVERT OF THE OUTLET PIPE ON A VERTICAL PROJECTION FROM THE SPRING LINE OF THE SEWER. THE MINIMUM WIDTH OF BENCHING IN ALL MANHOLES SHALL BE 230mm.
- ALL CATCHBASIN MANHOLES SHALL HAVE 600mm DEEP SUMP.
- WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE STORM UPSTREAM INVERT AND DOWNSTREAM INVERT EXCEEDS 1.0m, A DROP STRUCTURE SHALL BE PLACED ON THE INLET PIPE, WITH THE INVERT OF THE DROP PIPE LOCATED AT THE SPRING LINE OF THE OUTLET PIPE. DESIGN SHALL BE IN CONFORMITY WITH OPSD 1003.031.
- WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE SANITARY UPSTREAM INVERT AND DOWNSTREAM INVERT EXCEEDS 1.0m, A DROP STRUCTURE SHALL BE PLACED ON THE INLET PIPE, WITH THE INVERT OF THE DROP PIPE LOCATED AT THE SPRING LINE OF THE OUTLET PIPE. DESIGN SHALL BE IN CONFORMITY WITH ENGINEERING SERVICES STANDARD DESIGN DRAWING OSS-203.
- SANITARY MAINTENANCE HOLES IN PONDING AREAS SHALL HAVE WATERTIGHT FRAMES AND COVERS AS PER OPSD 401.050.
- SINGLE CATCHBASINS SHALL BE ACCORDING TO OPSD 705.010. DOUBLE CATCHBASINS AS PER OPSD 705.020. FRAME AND GRATE SHALL BE OPSD 400.100.
- ALL NEW STORM AND SANITARY SEWERS SHALL BE VIDEO INSPECTED USING CLOSED CIRCUIT TELEVISION (CCTV) EQUIPMENT. CCTV INSPECTION SHALL BE CONDUCTED IN ACCORDANCE TO OPSD 409. DIGITAL COPIES OF THE CCTV INSPECTION REPORTS AND VIDEOS SHALL BE PROVIDED TO THE ENGINEER OF RECORD.
- PERFORATED SUBDRAINS ARE TO BE CONNECTED TO INTERNAL CATCH BASINS AND CATCHBASIN MANHOLES IN A QUADRANT FORMATION AT THE SUBGRADE INTERFACE EXCEPT IN THE BOULEVARD AREAS. CONTRACTOR IS TO ENSURE A MINIMUM 3% SLOPE OF THE SUBDRAINS TOWARDS THE CATCH BASIN AND CATCHBASIN MANHOLES. SUBDRAIN PIPE TO BE 100mmØ PERFORATED, CORRUGATED, POLYETHYLENE ENCASED IN FILTER FABRIC. SOCK; BACKFILL WITH 20mmØ WELL GRADED FREE DRAINING GRANULAR MATERIAL APPROVED BY THE ENGINEER. SUBDRAINS SHALL BE CAPPED AT UPSTREAM ENDS. SEE DETAIL ON THIS PLAN.

WATERMAINS

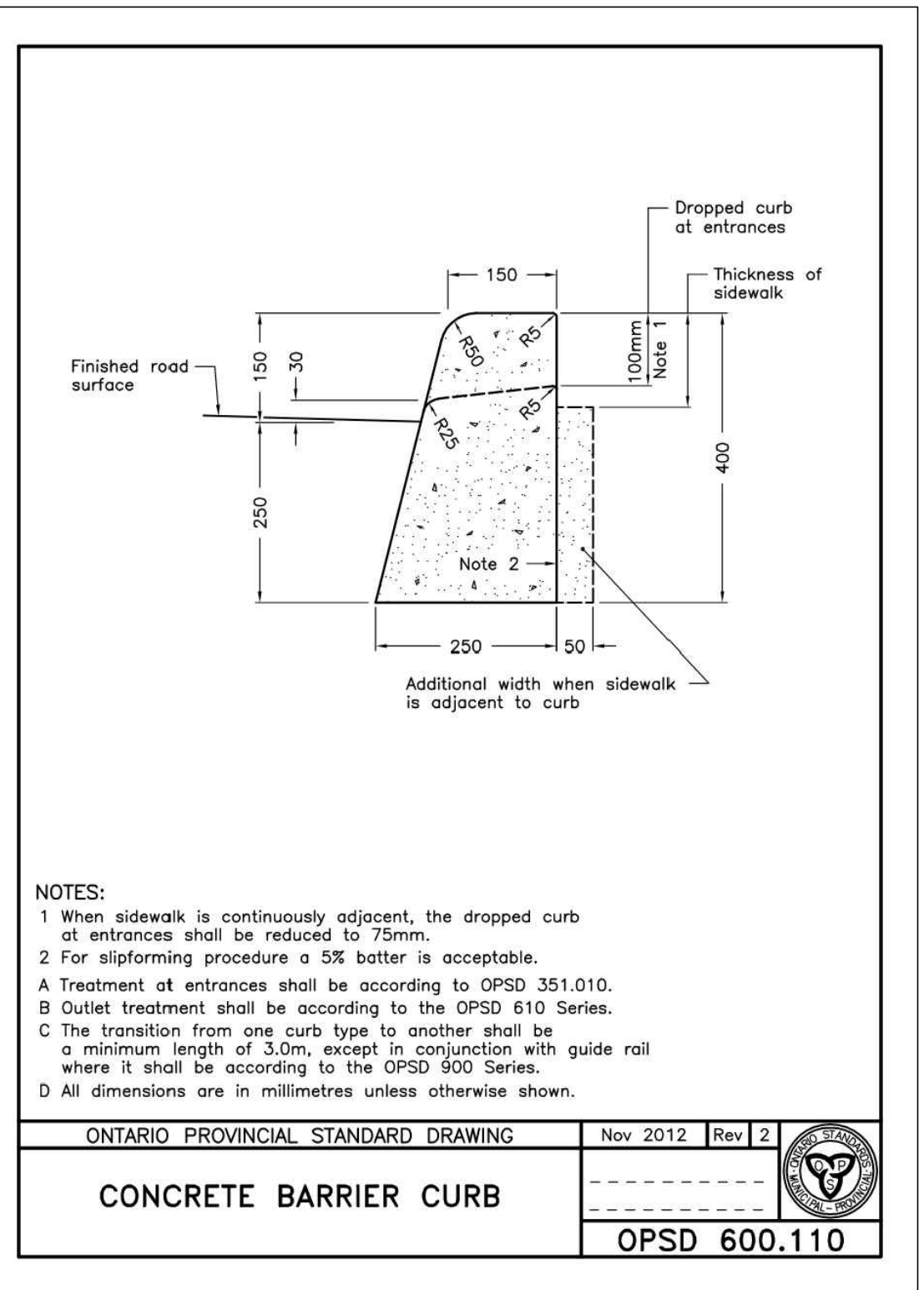
- ALL WATERMAIN CONSTRUCTION IS TO BE DONE IN ACCORDANCE WITH THE CITY OF OWEN SOUND STANDARD CONTRACT DOCUMENTS FOR MUNICIPAL CONSTRUCTION.
- WATERMAINS 100mm TO 300mm DIAMETER SHALL BE PVC CONFORMING TO AWWA C900 AND CSA B137.3, CLASS 150 DR-18 WITH CAST IRON O.D. DIMENSIONS. REFER TO SPECIFICATIONS FOR WATERMAIN CONSTRUCTION, CITY OF OWEN SOUND, ENGINEERING DIVISION, OPERATIONS DEPARTMENT, REV. 2.
- BEDDING TO BE CLASS 'B' (SUCH AS GRANULAR 'A' CONFORMING TO OPSD 1010) AND AS PER OPSD 802.010. BEDDING TO BE PLACED IN MAX 150mm LIFTS AND COMPACTED TO 98% SPMDD. COMPACTION TESTING TO BE COORDINATED WITH THE GEOTECHNICAL ENGINEER.
- MINIMUM COVER ON WATERMAINS SHALL BE 1.7m UNLESS SHOWN OTHERWISE ON APPROVED DRAWINGS.
- ALL HYDRANTS AND VALVES SHALL BE CONSTRUCTED ACCORDING TO MUNICIPAL STANDARDS. HYDRANTS TO HAVE MECHANICAL THRUST RESTRAINTS AS PER OSS-400.
- MECHANICAL THRUST RESTRAINTS SHALL BE INSTALLED AT ALL FITTINGS, BENDS, TEES, CROSSES, REDUCERS AND VALVES FOR ALL WATERMAIN SIZES.
- WATERMAIN MUST FOLLOW THE MINISTRY OF THE ENVIRONMENT PROCEDURE F-6-1 THAT GOVERN THE SEPARATION OF SEWERS AND WATERMAINS. A MINIMUM VERTICAL CLEARANCE OF 0.30m IS REQUIRED WHEN CROSSING OVER SEWERS AND ALL OTHER UTILITIES. WHEN CROSSING UNDER A SEWER OR UTILITY, 0.5m CLEARANCE IS REQUIRED. A MINIMUM HORIZONTAL CLEAR SEPARATION OF 2.5m IS REQUIRED AT ALL TIMES.
- CATHODIC PROTECTION TO BE INSTALLED FOR ALL METALLIC APPURTENANCES AND FITTINGS ON PVC PIPE ACCORDING TO OPSD 1109.011.
- TRACER WIRE TO BE INSTALLED ON ALL NON-METALLIC WATERMAIN. WIRE TO BE DIRECT BURIAL #12 AWG TRACER WIRE WITH HIGH-DENSITY POLYETHYLENE JACKET (BLUE).
- HYDROSTATIC PRESSURE TEST SHALL BE CONDUCTED AS PER MUNICIPAL STANDARDS.
- SWABBING, FLUSHING, DISINFECTION, AND BACTERIOLOGICAL TESTING OF NEW WATERMAIN SHALL BE AS PER CITY OF OWEN SOUND SPECIFICATIONS. NEW WATERMAIN SHALL BE ISOLATED FROM EXISTING MAINS THROUGH PHYSICAL SEPARATION UNTIL BACTERIOLOGICAL TESTS ARE SATISFACTORILY COMPLETED, REVIEWED, AND APPROVED BY THE CITY.
- CITY IN-SERVICE WATER VALVES, CURB STOPS, FIRE HYDRANTS CAN ONLY BE OPERATED BY OWEN SOUND WATER STAFF.



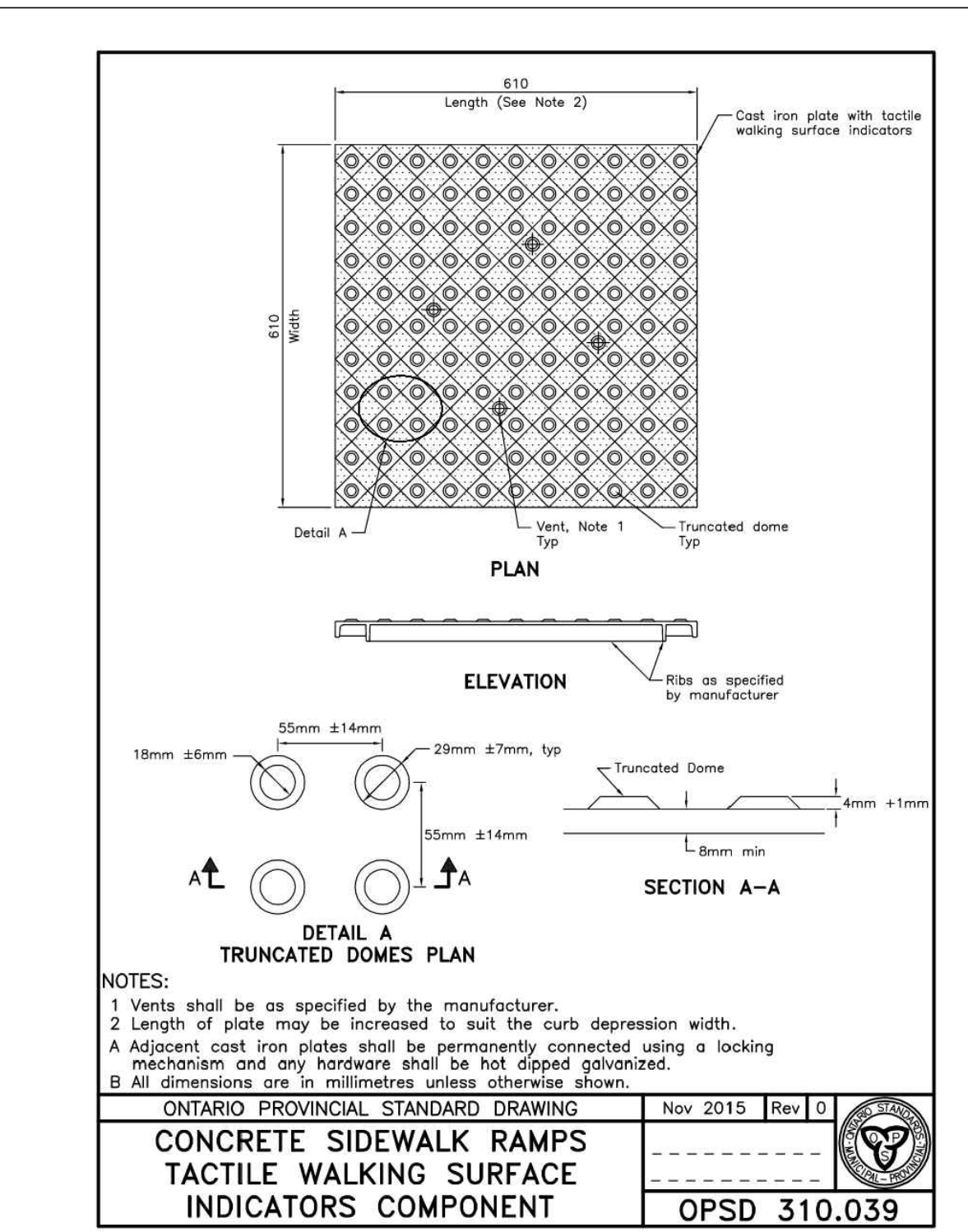
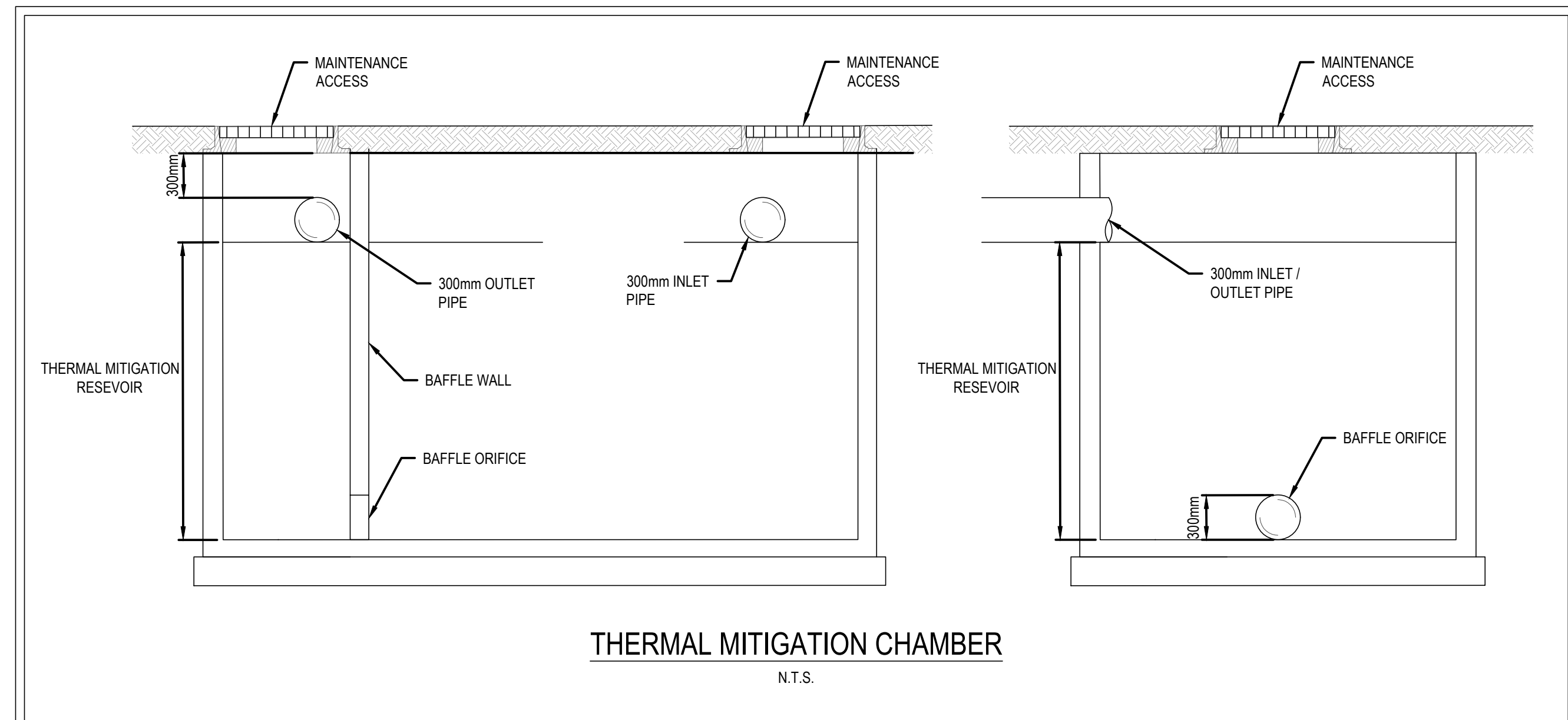
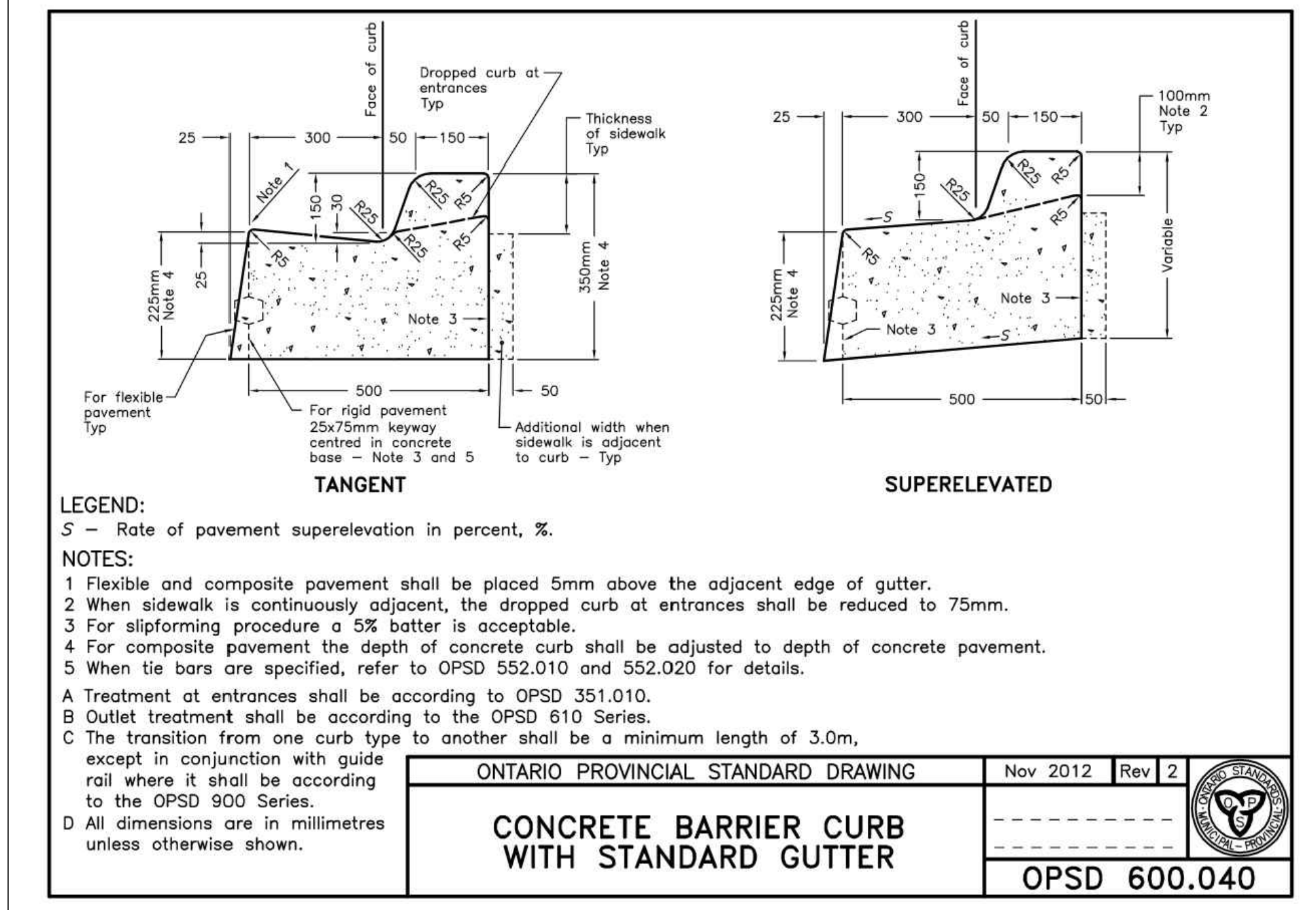
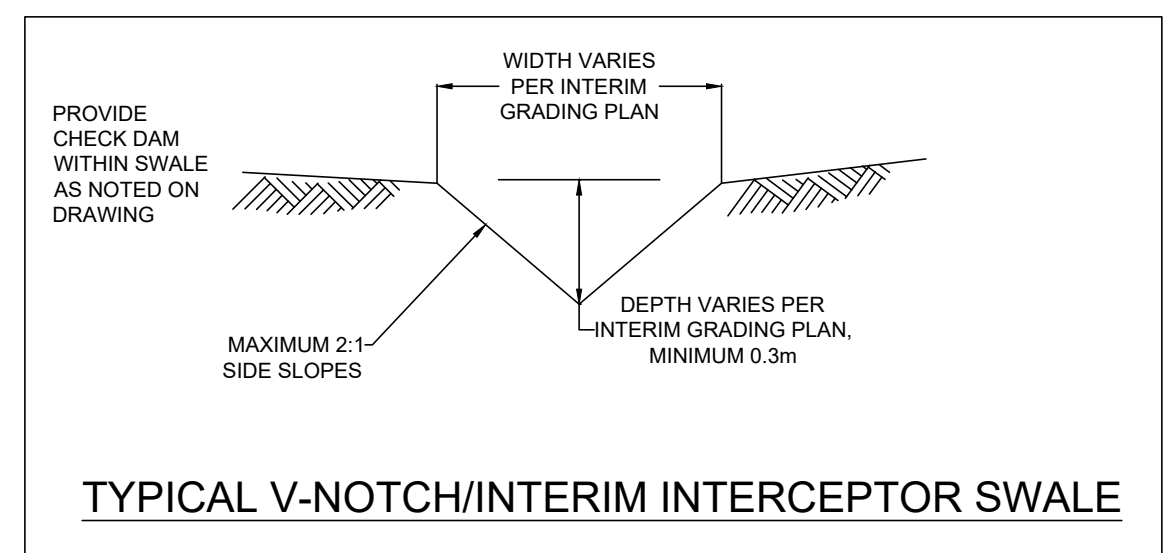
REVISION BLOCK		
#	DATE	DESCRIPTION
1	10/21/2022	ISSUED FOR ZONING H REMOVAL & SITE PLAN APPROVAL.



NORTH ARROW



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 1
CONCRETE BARRIER CURB		
OPSD 600.110		



METRIC SCALE

SITE NOTES AND DETAILS

SKYDEV BAYSHORE
 OWEN SOUND LP
 OWEN SOUND (BAYSHORE)
 OWEN SOUND, ONTARIO

PROJECT NO: 22883 DRAWN BY: BJ CHECKED BY: RA

SND