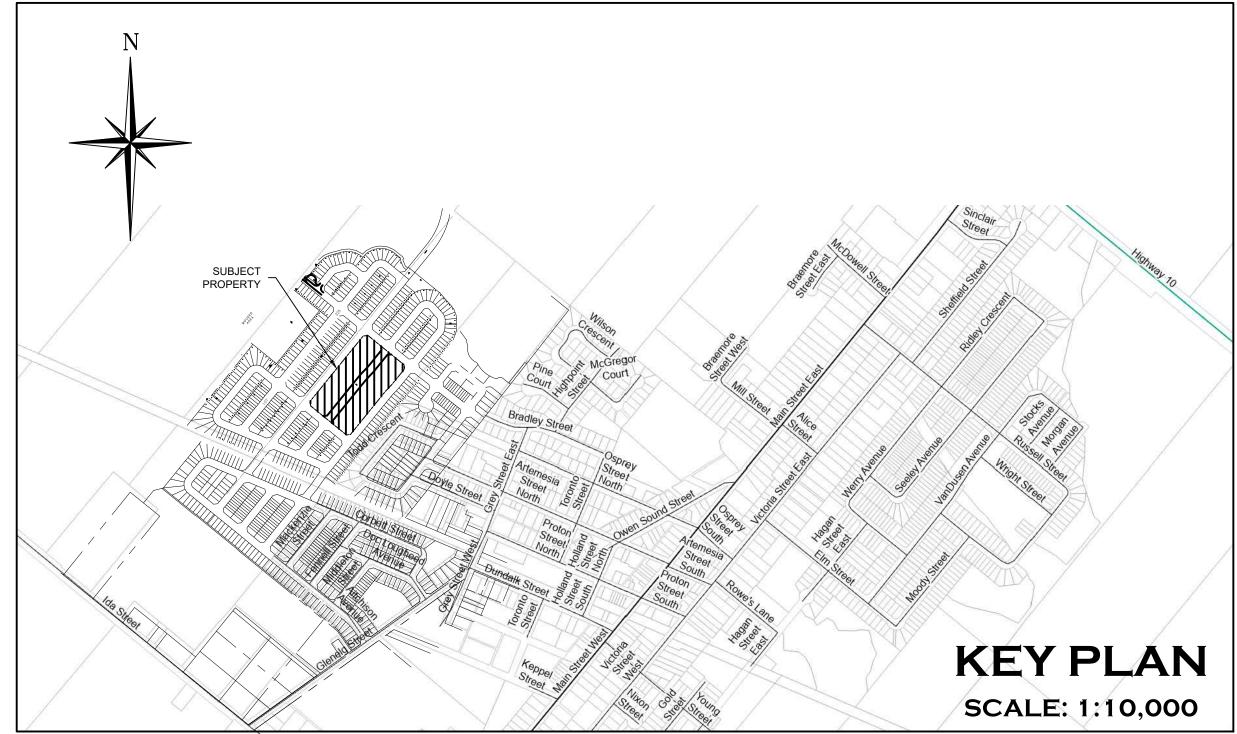
# BWDSB NEW SCHOOL COMMUNITY OF DUNDALK TOWN of SOUTHGATE **COUNTY OF GREY**



# **MUNICIPALITY**

TOWNSHIP OF SOUTHGATE 185667 GREY COUNTY ROAD 9, DUNDALK, ONTARIO, NOC 1B0

# **DEVELOPER**

FLATO INC. 3621 HIGHWAY 7 EAST, SUITE 503 MARKHAM, ONTARIO, L3R 0G6

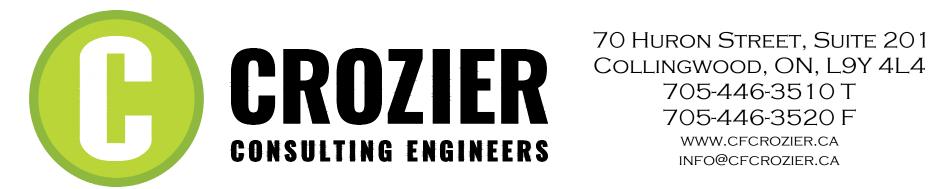
705-446-3510 T

705-446-3520 F

WWW.CFCROZIER.CA

INFO@CFCROZIER.CA

## DEVELOPER'S ENGINEER



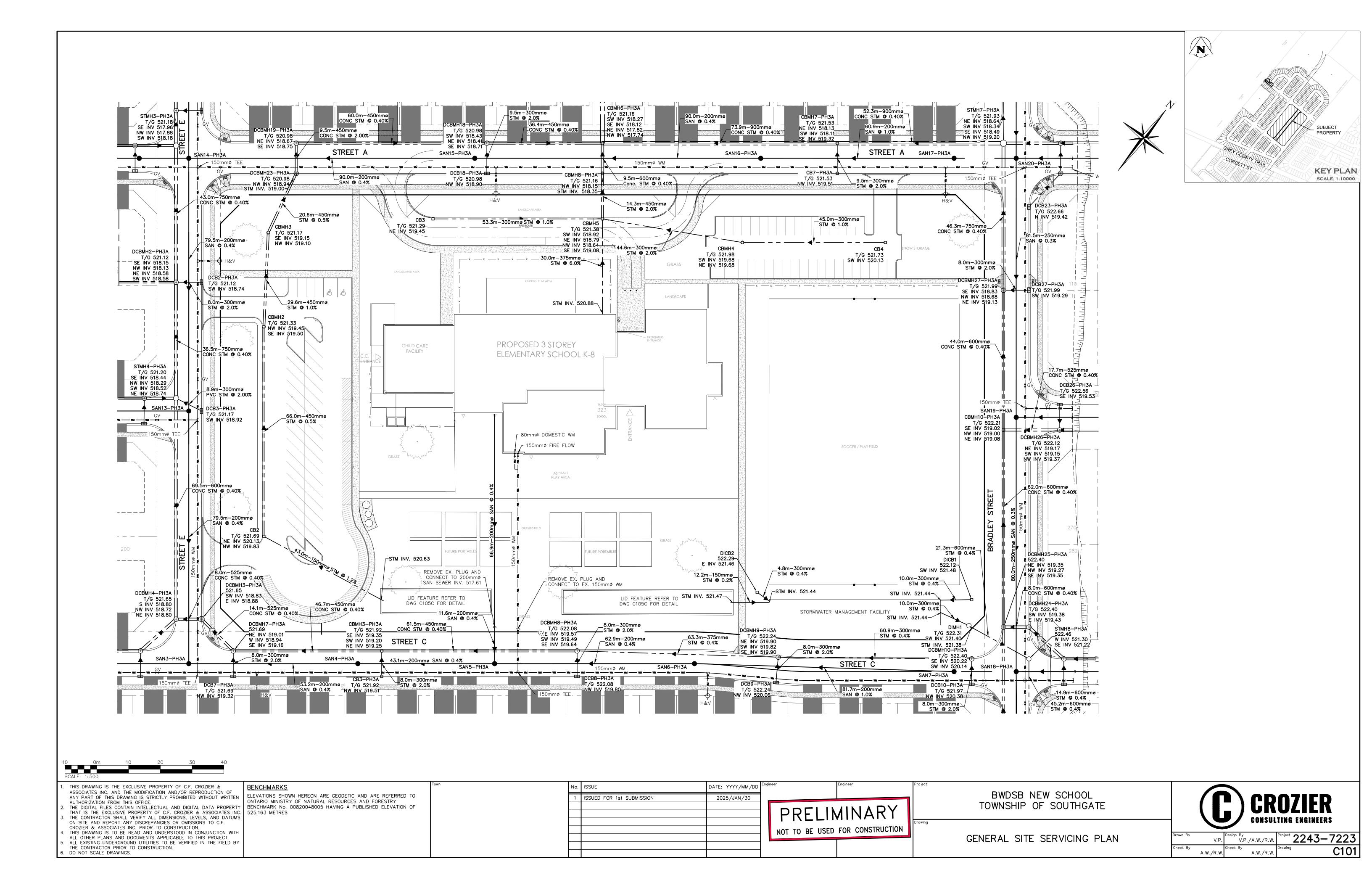
LANDSCAPE ARCHITECT

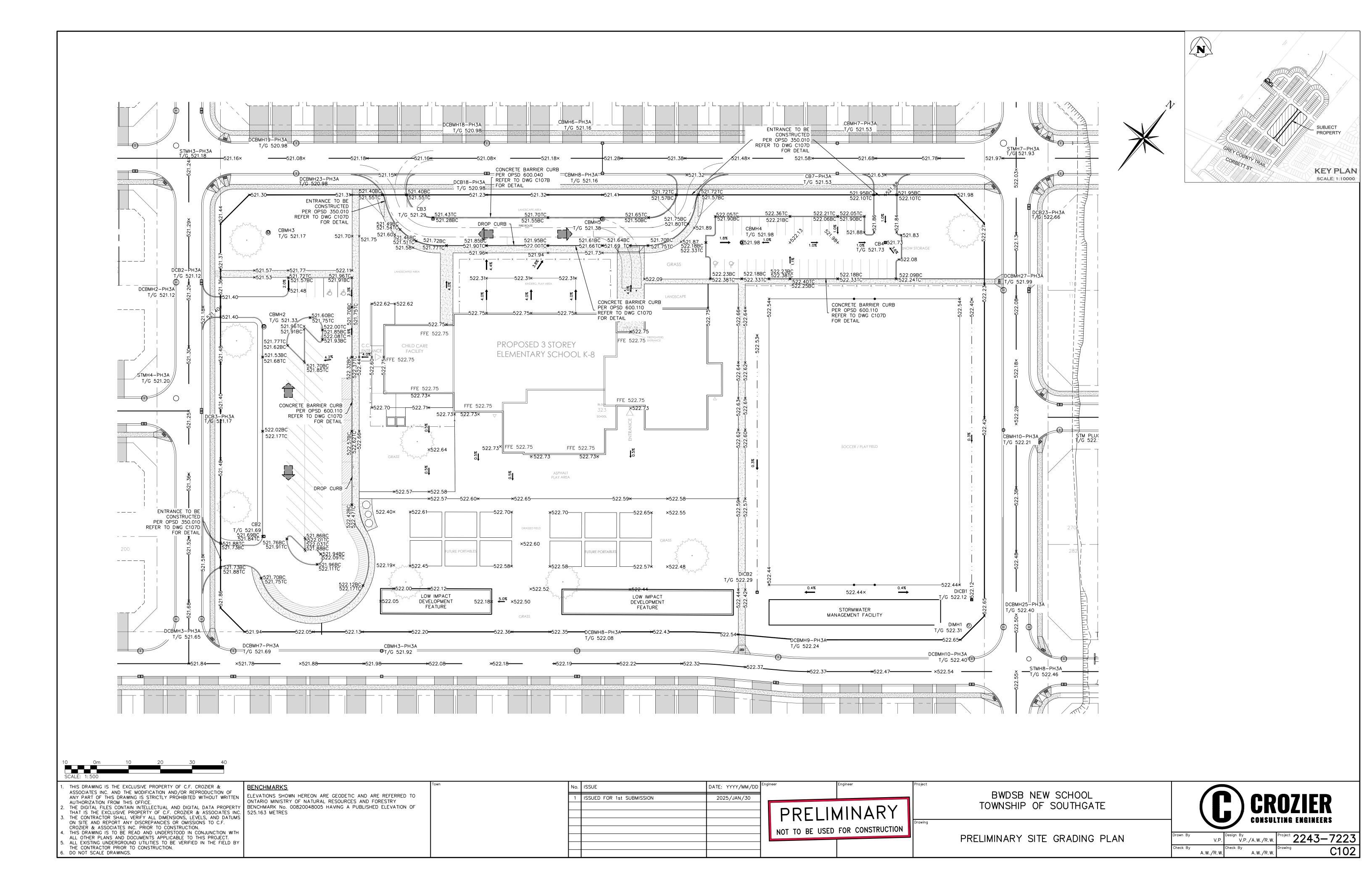
# EX. BELL LINE EX. BELL PEDESTAL EX. CABLE TELEVISION PEDESTAL EX. HYDRO POLE EX. LIGHT STANDARD EX. SIGN EX. BUILDING TEST PITS-GROUND WATER ELEVATIONS (AZIMUTH, 2006) BOREHOLE NUMBER & LOCATION PR. PROPERTY LIMITS PR. ELEVATION PR. ELEVATION (MATCH EX. ELEVATION) PR. SWALE & SLOPE PR. SWALE PR. MAJOR OVERLAND FLOW PR. WATER SERVICE PR. FIRE HYDRANT, ANCHOR TEE & VALVE PR. SANITARY SEWER & MANHOLE PR. SANITARY SERVICE PR. SANITARY CATCHMENT SANITARY CATCHMENT AREA ID SANITARY CATCHMENT POPULATION (3.5ppu) SANITARY CATCHMENT AREA (ha) PR. STORM SEWER & MANHOLE PR. CATCHBASIN PR. DOUBLE CATCHBASIN PR. CATCHBASIN MANHOLE PR. DOUBLE CATCHBASIN MANHOLE PR. FOUNDATION DRAIN SERVICE PR. STORM CATCHMENT STORM CATCHMENT AREA ID - STORM CATCHMENT RUN-OFF CO-EFFICIENT - STORM CATCHMENT AREA (ha) PR. CANADA POST COMMUNITY MAIL BOX PR. STOP SIGN PR. NAME SIGN PR. NO PARKING SIGN PR. TRANSFORMER PR. BUILDING ENVELOPE \_\_\_\_\_ PR. LIGHT DUTY SILT FENCE PR. STRAW BALE CHECK FLOW PR. HEAVY DUTY SILT FENCE PR. SLOPE (3:1 MAX.) PR. GATE PR. SWM FACILITY ACCESS ROAD PR. CONCRETE SIDEWALK RAMP

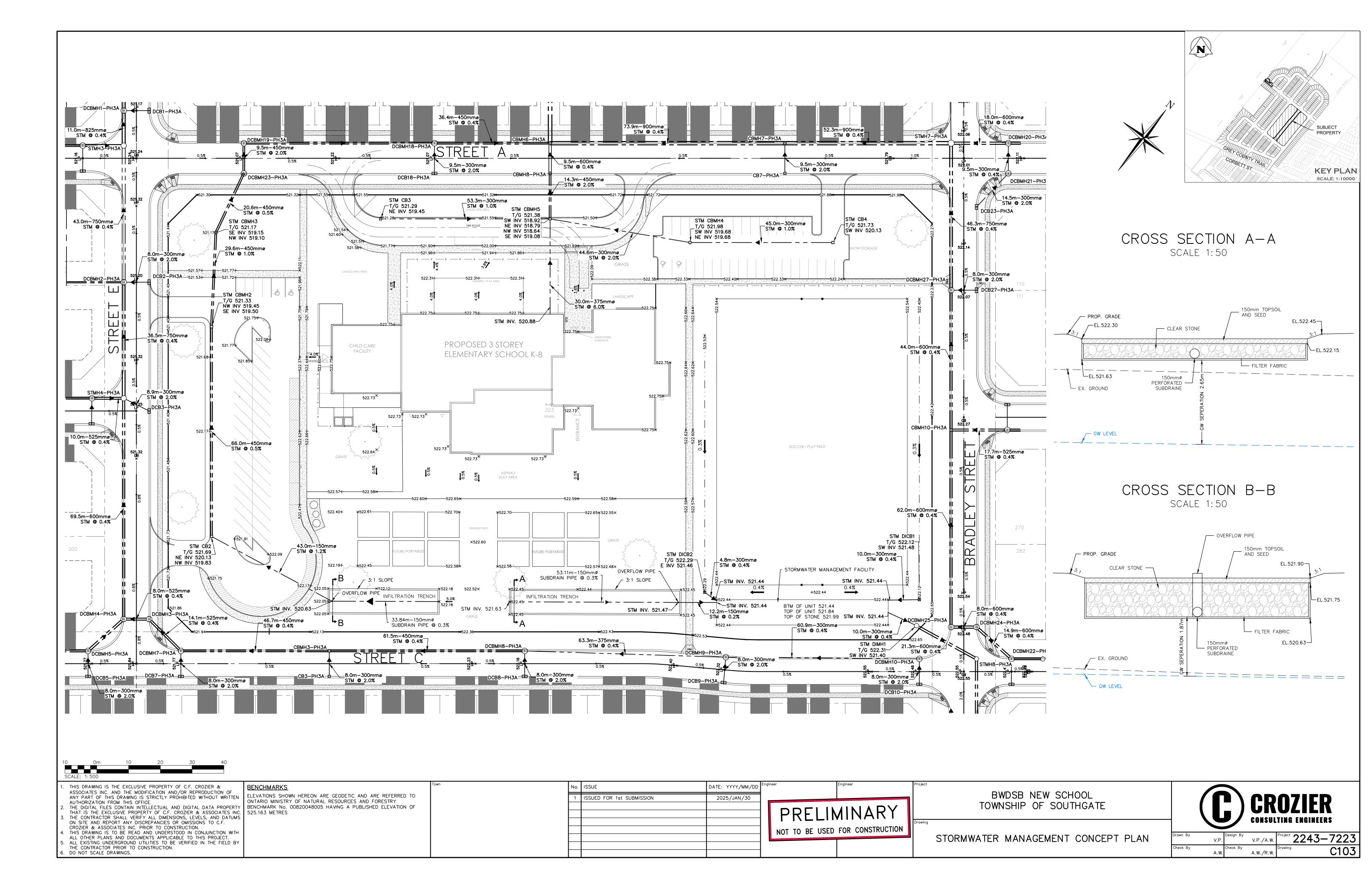
#### <u>DRAWING</u> TITLE

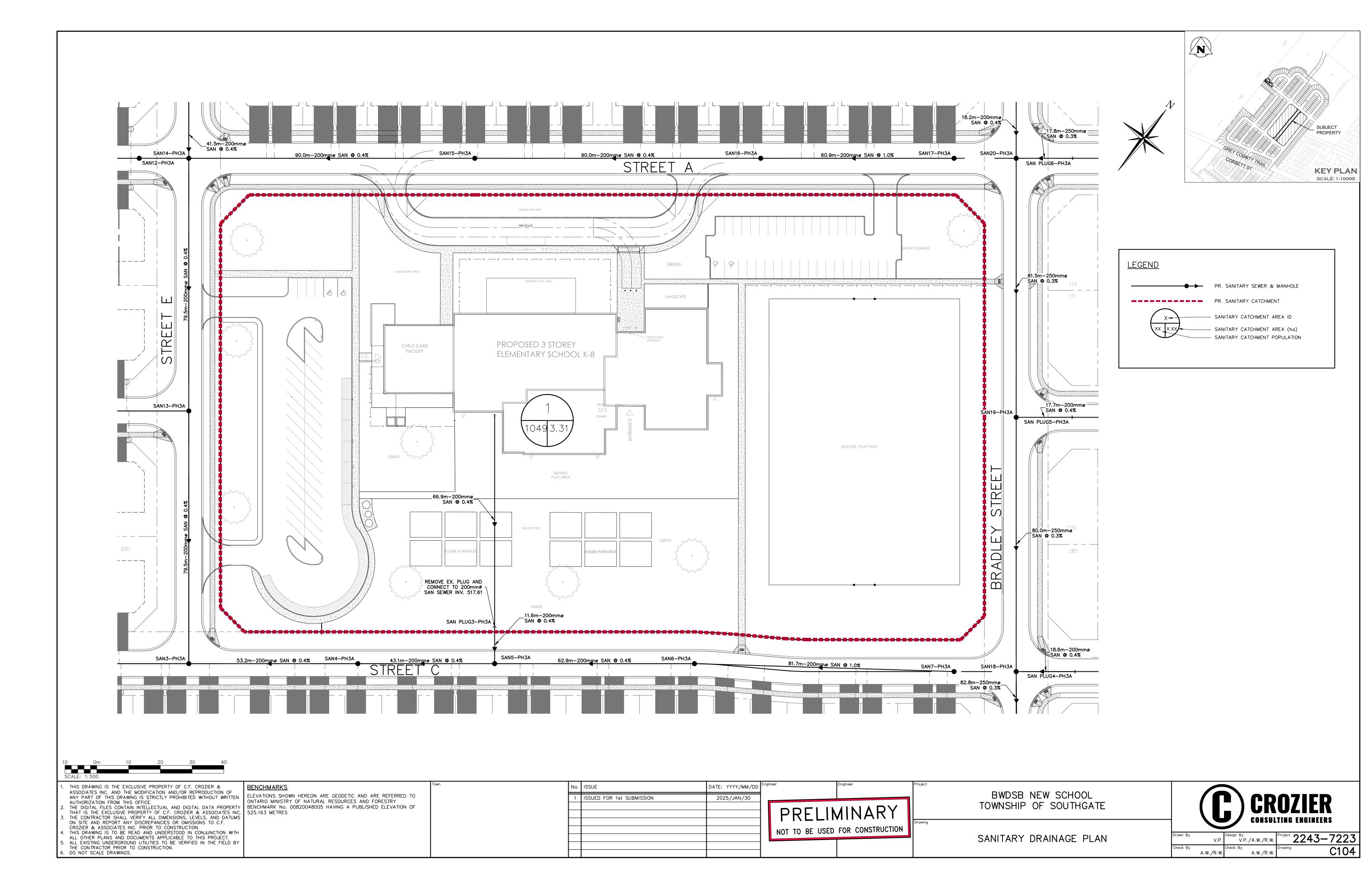
C100	TITLE SHEET
C101	GENERAL SITE SERVICING PLAN
C102	SITE GRADING PLAN
C103	STORMWATER MANAGEMENT CONCEPT PLAN
C104	SANITARY DRAINAGE PLAN
C105	STORM DRAINAGE PLAN
C106	EROSION AND SEDIMENT CONTROL PLAN
C107A	CONSTRUCTION NOTES, DETAILS & MUNICIPAL STANDARD DRAWINGS
C107B	ONTARIO PROVINCIAL STANDARD DRAWINGS
C107C	ONTARIO PROVINCIAL STANDARD DRAWINGS
C107D	ONTARIO PROVINCIAL STANDARD DRAWINGS

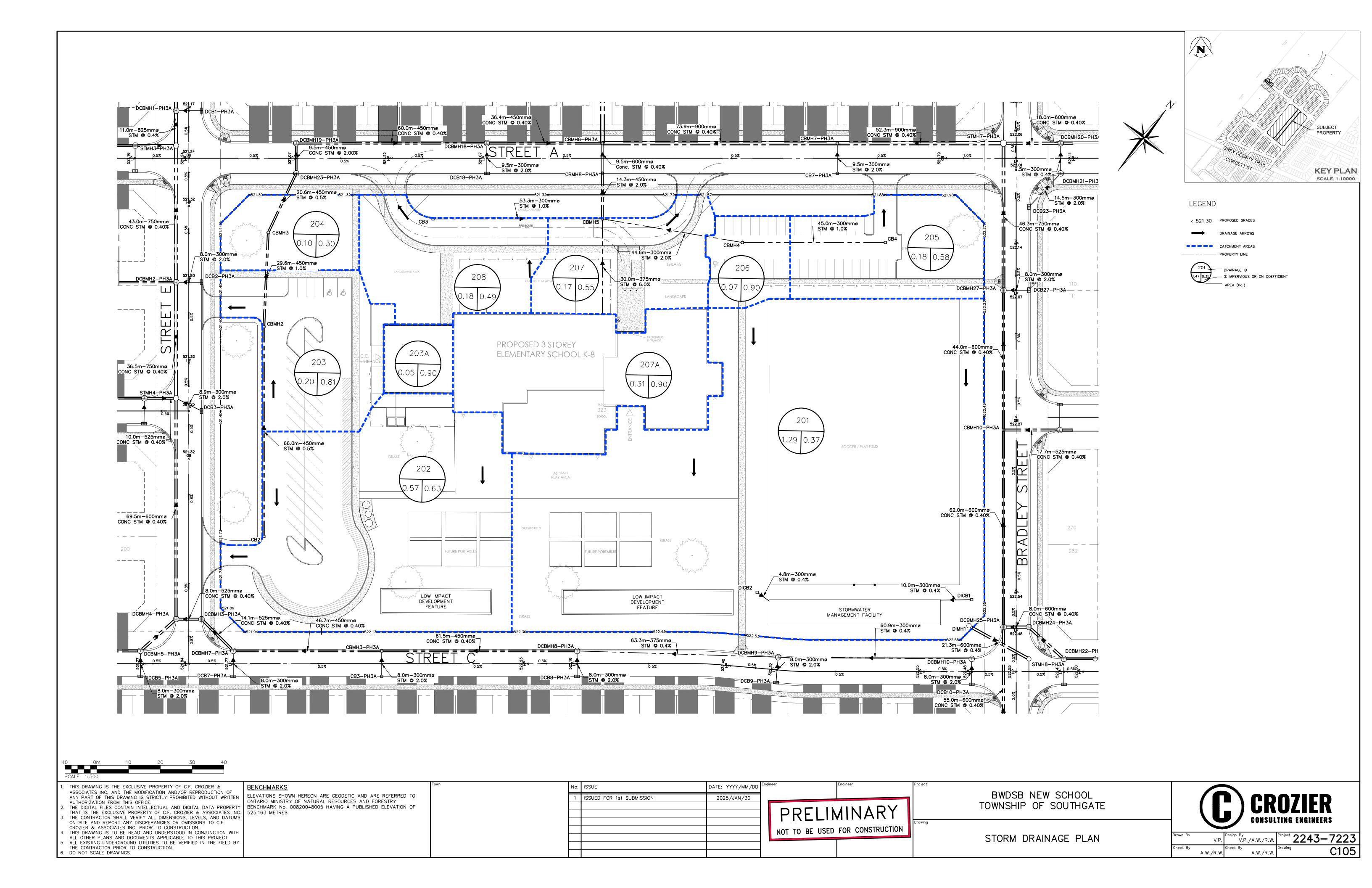
MASTER LEGEND **EXISTING FEATURES** (EX.) EX. CONTOUR EX. TREELINE EX. WATER SERVICE EX. SANITARY SEWER & MANHOLE EX. SANITARY FORCEMAIN EX. SANITARY SERVICE EX. STORM SEWER & MANHOLE EX. STORM CATCHBASIN EX. STORM DOUBLE CATCHBASIN EX. STORM CATCHBASIN MANHOLE EX. STORM DOUBLE CATCHBASIN MANHOLE

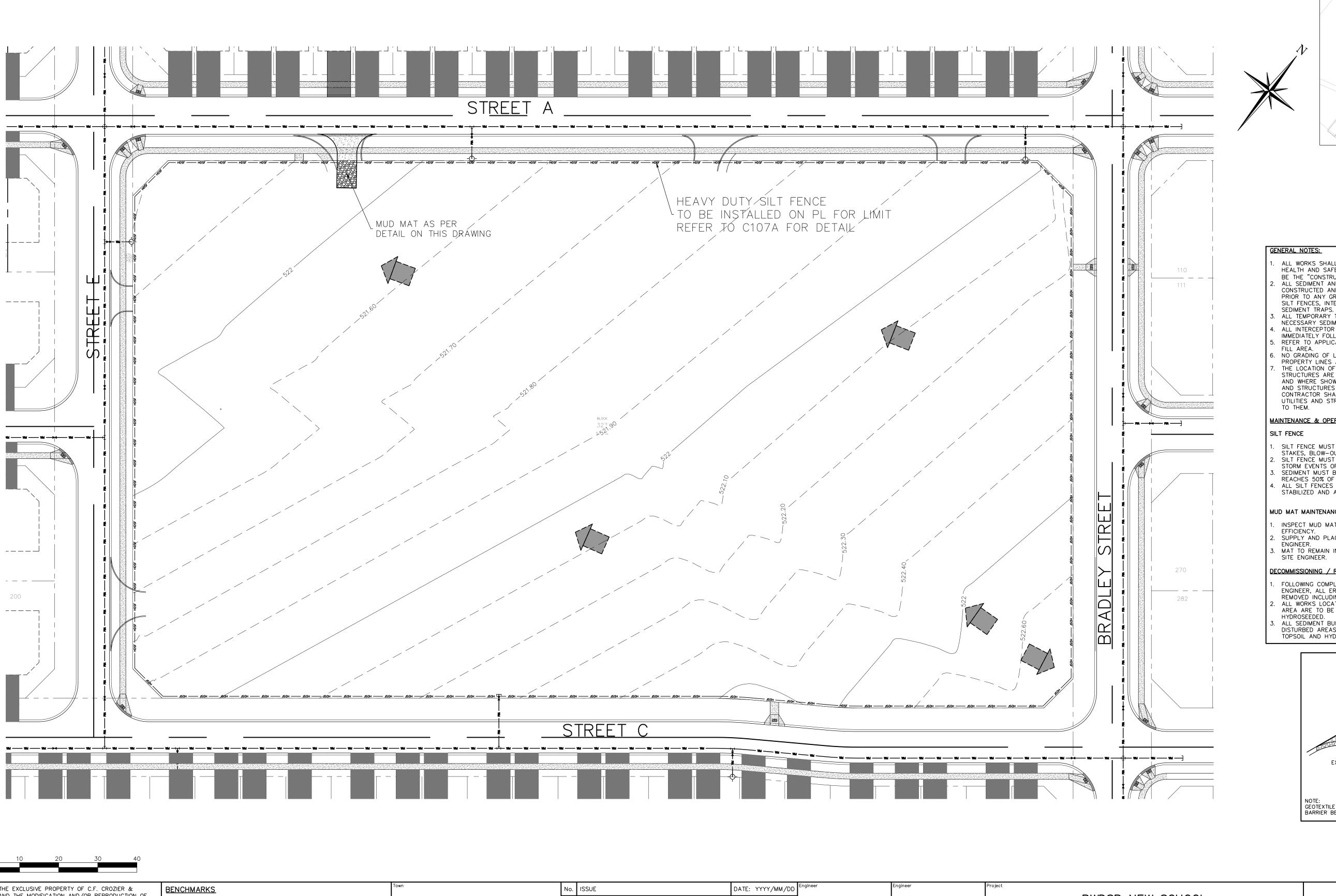


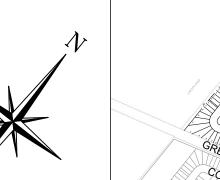


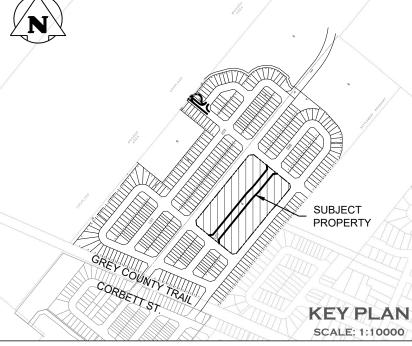












#### <u>LEGEND</u>

PROPERTY LINE LIMITS

HEAVY DUTY SINGLE ROW SILT FENCE AS PER OPSD 219.130

MAJOR OVERLAND FLOW

#### GENERAL NOTES:

- ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE "CONSTRUCTOR" AS DEFINED IN THE ACT.
- ALL SEDIMENT AND EROSION CONTROL FACILITIES AND WORKS ARE TO BE CONSTRUCTED AND IN PLACE TO THE APPROVAL OF THE SITE ENGINEER PRIOR TO ANY GRADING OPERATIONS COMMENCING. TYPICAL WORKS INCLUDE SILT FENCES, INTERCEPTOR SWALES, STRAW BALE CHECK DAMS AND
- ALL TEMPORARY TOPSOIL STOCKPILES ARE TO BE PROVIDED WITH THE NECESSARY SEDIMENT AND EROSION CONTROL FEATURES.
- ALL INTERCEPTOR SWALES ARE TO BE SEEDED TO STABILIZE THEIR BANKS
- IMMEDIATELY FOLLOWING CONSTRUCTION.
- REFER TO APPLICATION FORM FOR GRUBBING OF TREES WITHIN LIMITS OF FILL AREA.
- NO GRADING OF LANDS WILL OCCUR WITHIN SPECIFIED BUFFERS ALONG PROPERTY LINES AND INTERNAL TO SITE. THE LOCATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES AND
- STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE

#### MAINTENANCE & OPERATIONS OF SEDIMENT CONTROLS

- SILT FENCE MUST BE INSPECTED WEEKLY FOR RIPS OR TEARS, BROKEN STAKES, BLOW-OUTS AND ACCUMULATION OF SEDIMENT.
- SILT FENCE MUST BE INSPECTED FOLLOWING ALL 15mm OR GREATER RAIN STORM EVENTS OR AS DIRECTED BY SITE ENGINEER.
- SEDIMENT MUST BE REMOVED FROM SILT FENCE WHEN ACCUMULATION REACHES 50% OF THE HEIGHT OF THE FENCE.
- ALL SILT FENCES MUST BE REMOVED ONLY WHEN THE ENTIRE SITE IS STABILIZED AND AS DIRECTED BY THE SITE ENGINEER.

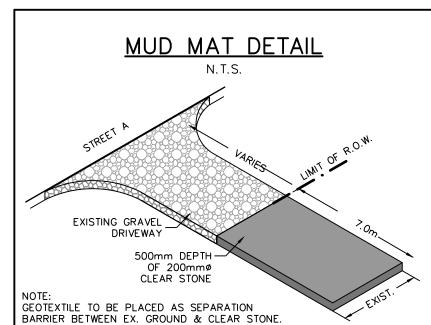
### MUD MAT MAINTENANCE

- INSPECT MUD MAT WEEKLY TO ASSESS CONDITION AND ENSURE OPERATION
- SUPPLY AND PLACE ADDITIONAL CLEAR STONE AS DIRECTED BY SITE
- MAT TO REMAIN IN PLACE UNTIL SITE IS STABILIZED OR AS DIRECTED BY SITE ENGINEER.

### **DECOMMISSIONING / RESTORATION**

- FOLLOWING COMPLETION OF CONSTRUCTION AND AS DIRECTED BY SITE ENGINEER, ALL EROSION AND SEDIMENT CONTROL WORKS ARE TO BE REMOVED INCLUDING ANY ACCUMULATED SEDIMENT.
- ALL WORKS LOCATED ON LANDS OUTSIDE THE PROPOSED DEVELOPMENT AREA ARE TO BE GRADED TO MATCH EXISTING SURROUNDING GROUND AND HYDROSEEDED.
- ALL SEDIMENT BUILD-UP TO BE REMOVED FROM SEDIMENT BASINS.

  DISTURBED AREAS AND SEDIMENT BASINS TO BE TREATED WITH 25mm OF TOPSOIL AND HYDROSEEDED AS DIRECTED BY SITE ENGINEER.





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	ISSUED FOR 1st SUBMISSION	2025/JAN/30	] .		
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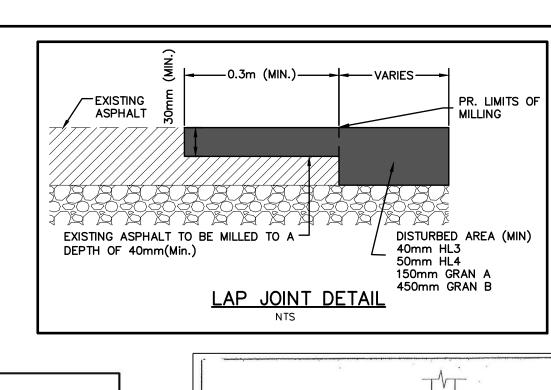
BWDSB NEW SCHOOL TOWNSHIP OF SOUTHGATE

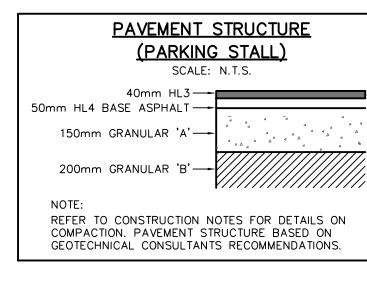
EROSION AND SEDIMENT CONTROL PLAN

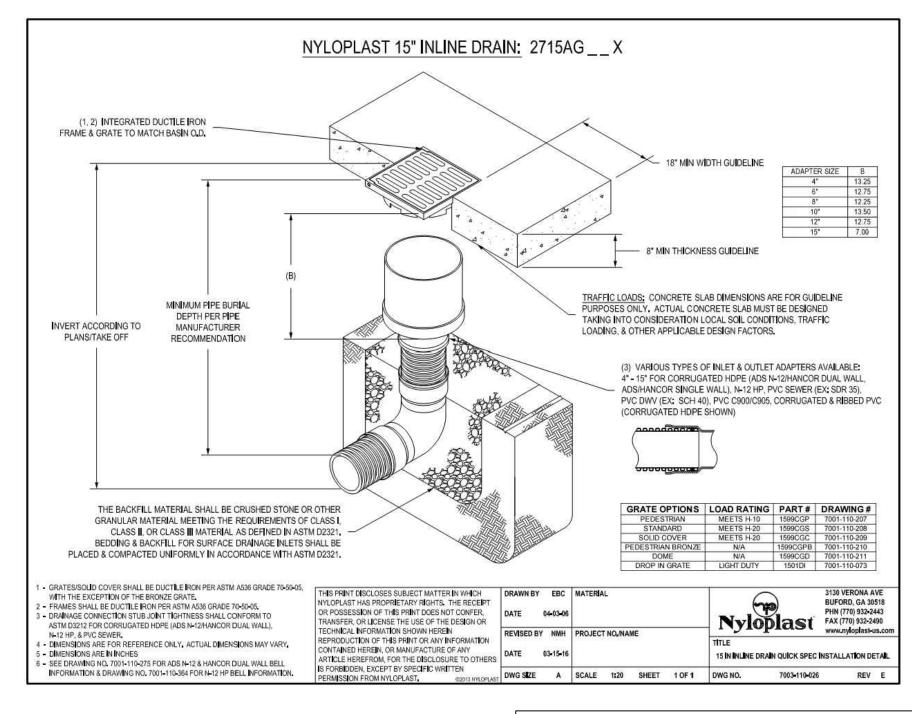


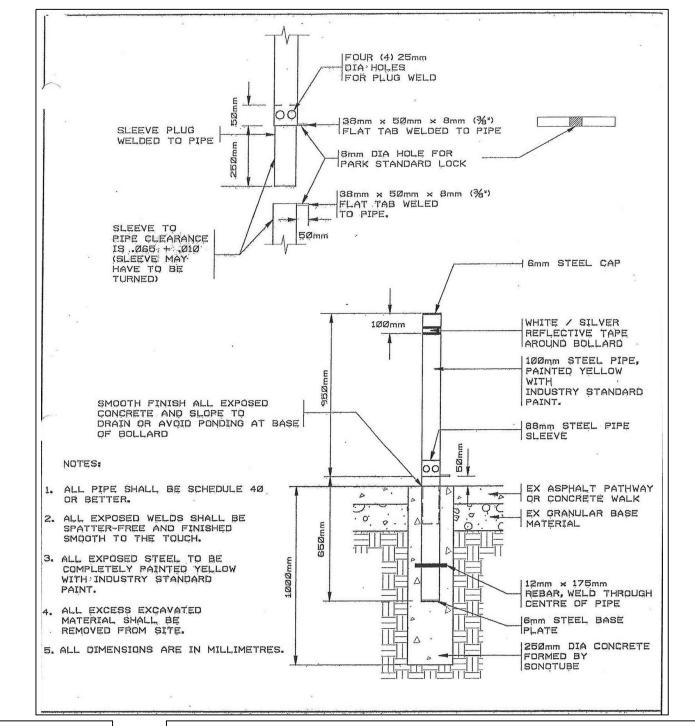
Project 2243-7223 V.P. / A.W. /R.W. C106 A.W./R.W.

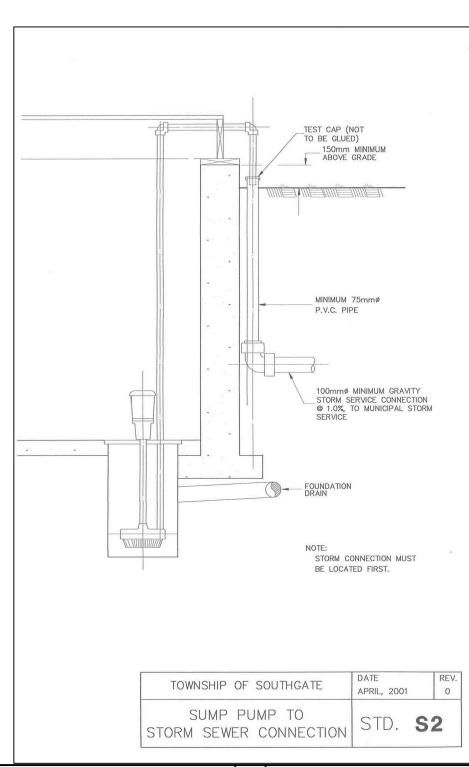


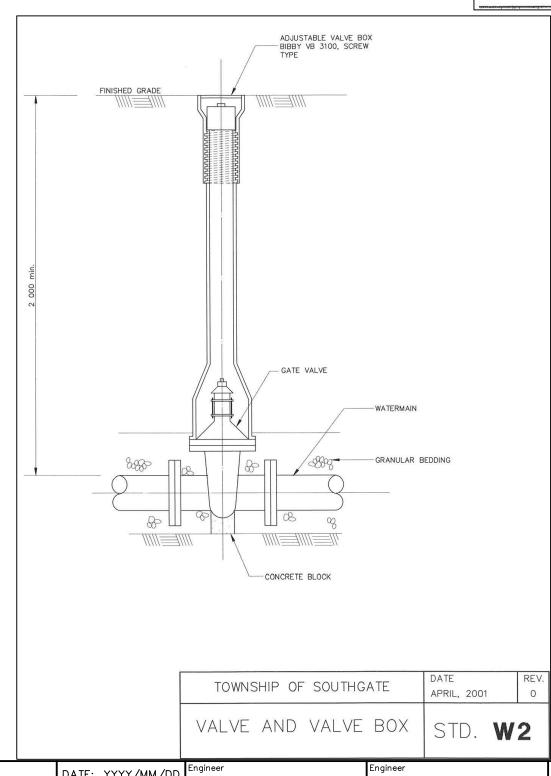


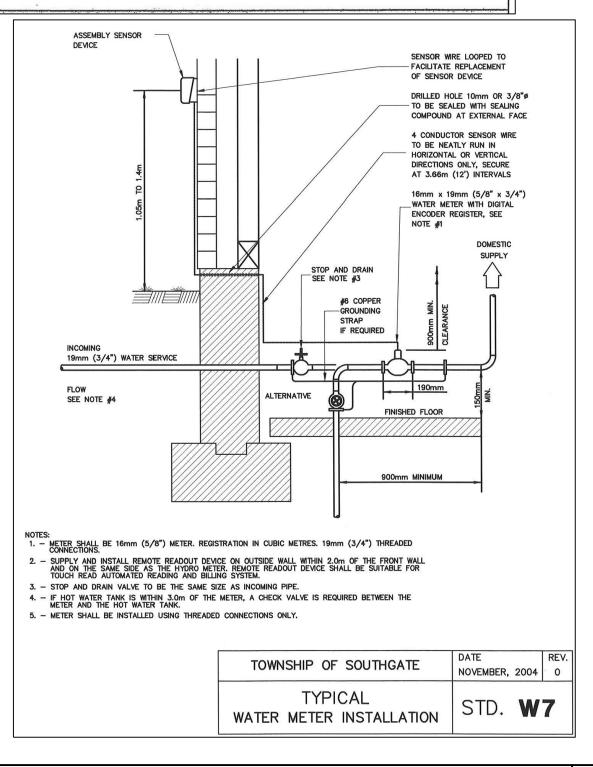


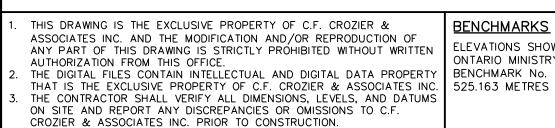












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THE CONTRACTOR PRIOR TO CONSTRUCTION.

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No. ISSUE

1 ISSUED FOR 1st SUBMISSION

2025/JAN/30

PRELIMINARY

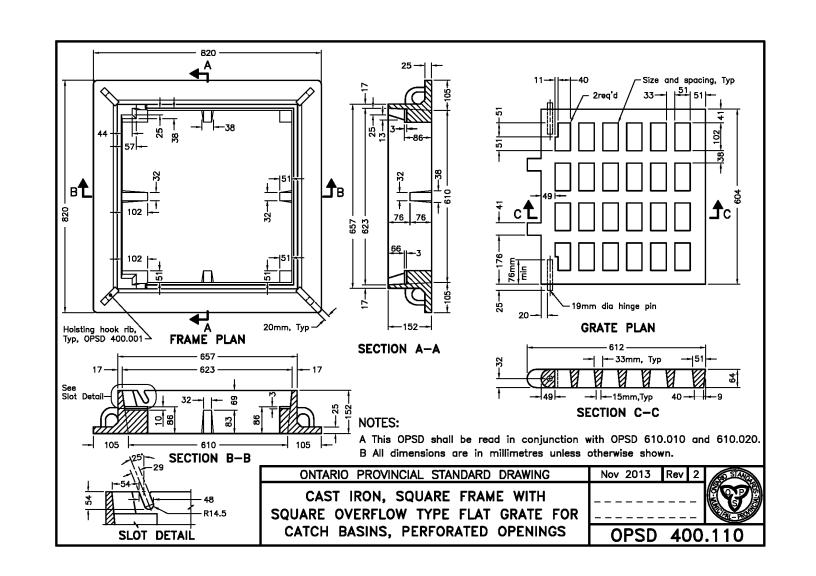
NOT TO BE USED FOR CONSTRUCTION

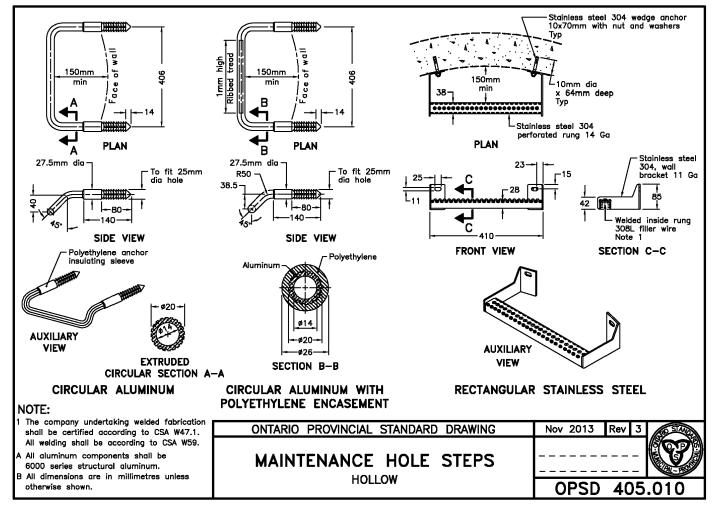
BWDSB NEW SCHOOL TOWNSHIP OF SOUTHGATE

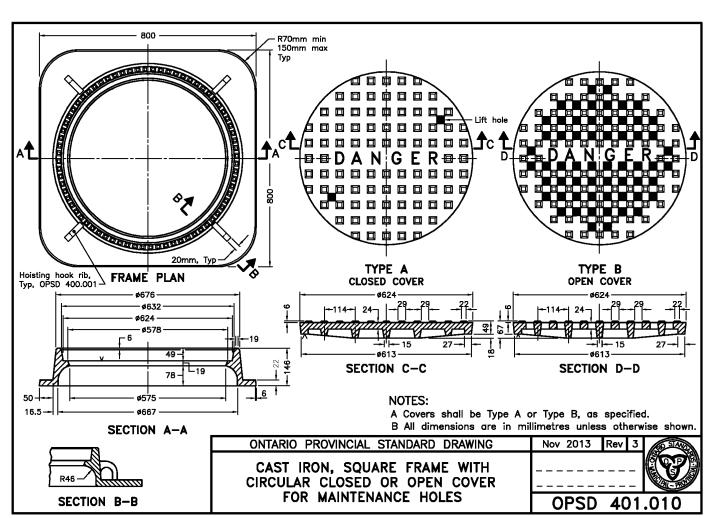
CONSTRUCTION NOTES, DETAILS & MUNICIPAL STANDARD DRAWINGS



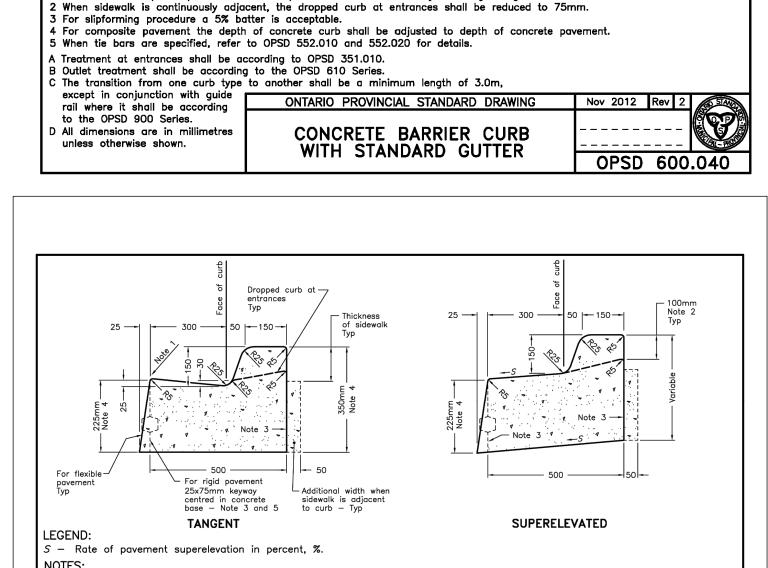
A.W./R.W.







OPEN POSITION



SUPERELEVATED

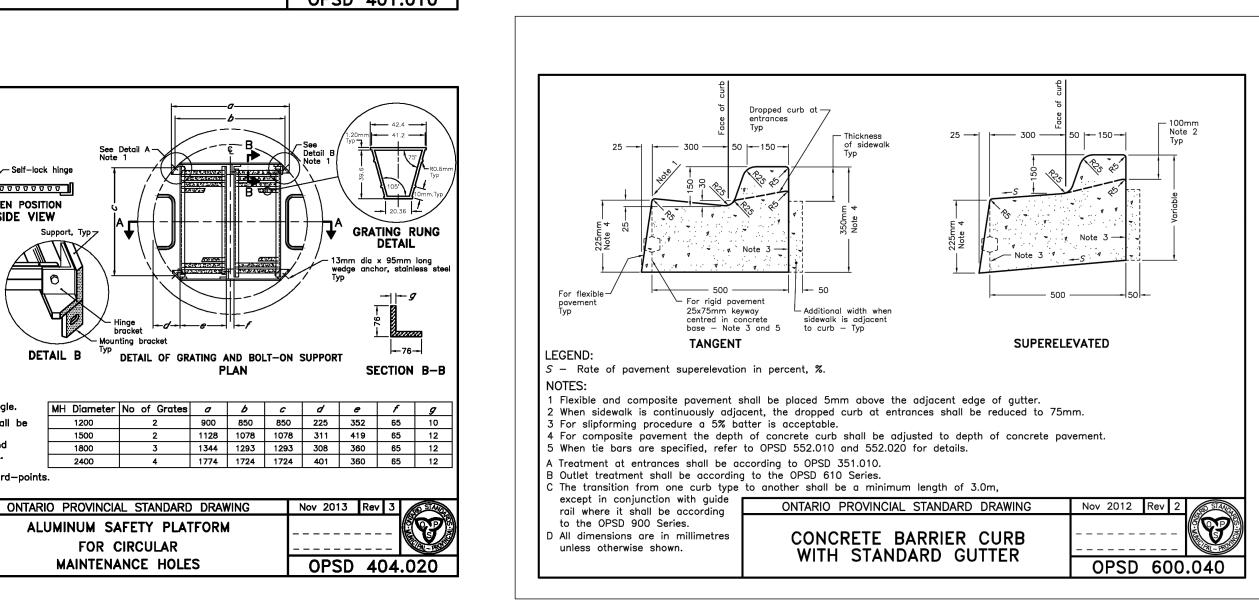
For rigid pavement
25x75mm keyway
centred in concrete
base — Note 3 and 5

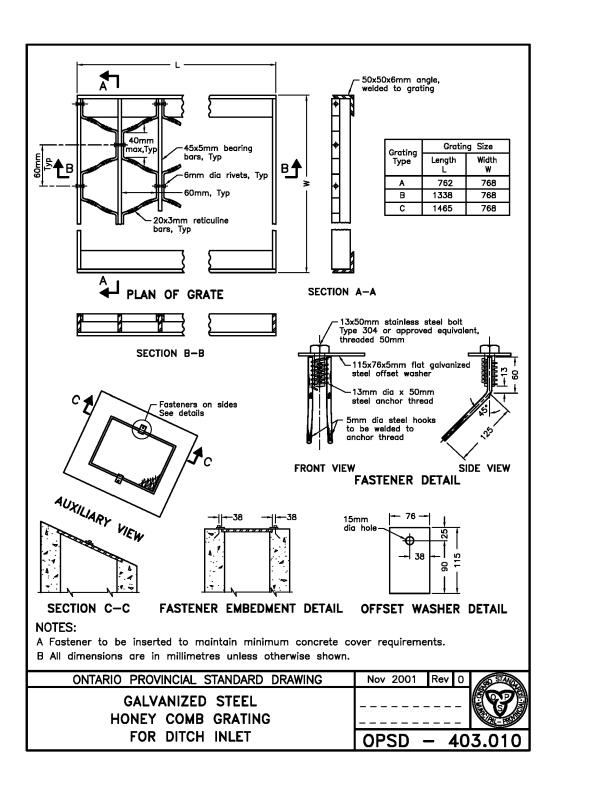
Additional width when
sidewalk is adjacent
to curb — Typ

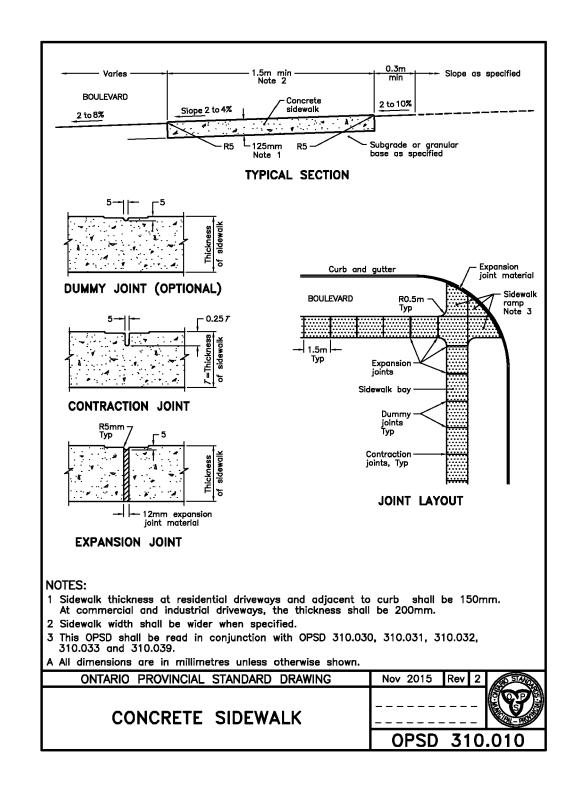
I Flexible and composite pavement shall be placed 5mm above the adjacent edge of gutter.

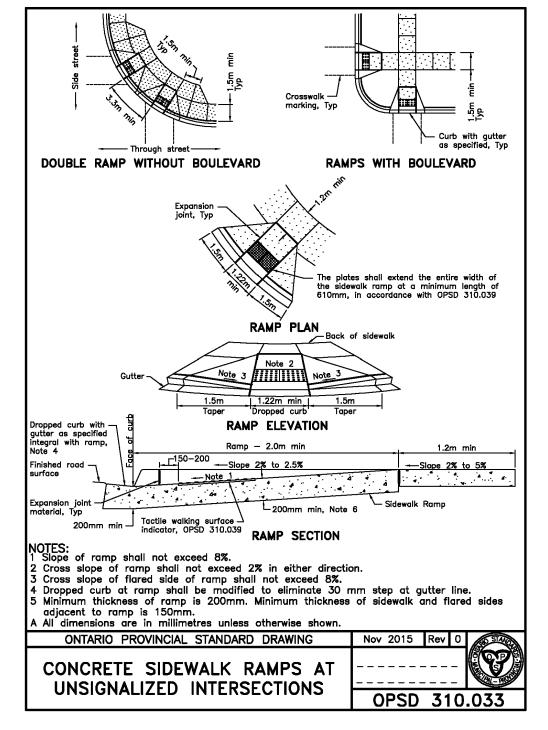
**TANGENT** 

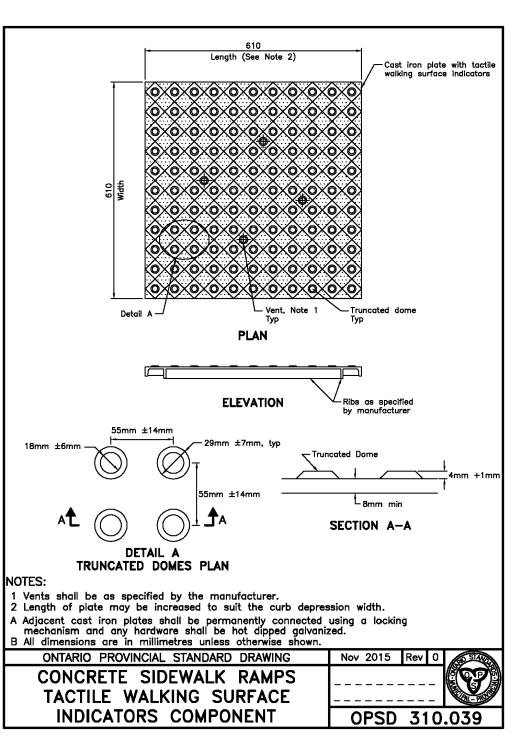
S - Rate of pavement superelevation in percent, %.











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_	

DETAIL A

1 All hinge brackets and mounting brackets shall be welded all around to support angle.

Maintenance hole depth between 5.0m and

10.0m, grate shall be placed at midpoint.

Maintenance hole depth between 10.0m

All fasteners shall be 304 stainless steel.

D All welding shall be according to

E All aluminum components shall t

6000 series structural aluminum.

All dimensions are in millimetres

CSA W47.2 and W59.2.

DO NOT SCALE DRAWINGS.

thoroughly coated with asphalt paint.

A All aluminum in contact with concrete shall be

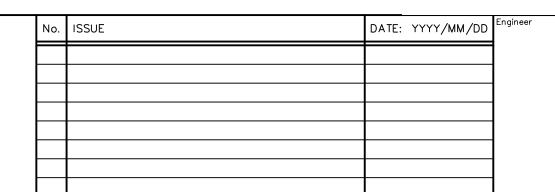
and 15.0m, grates shall be placed at third-points.

GRATING OPEN

SECTION A-A

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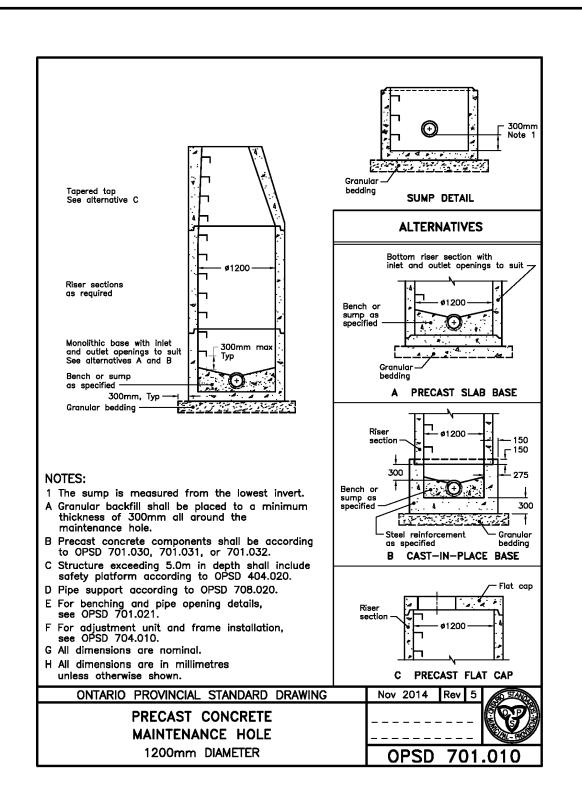


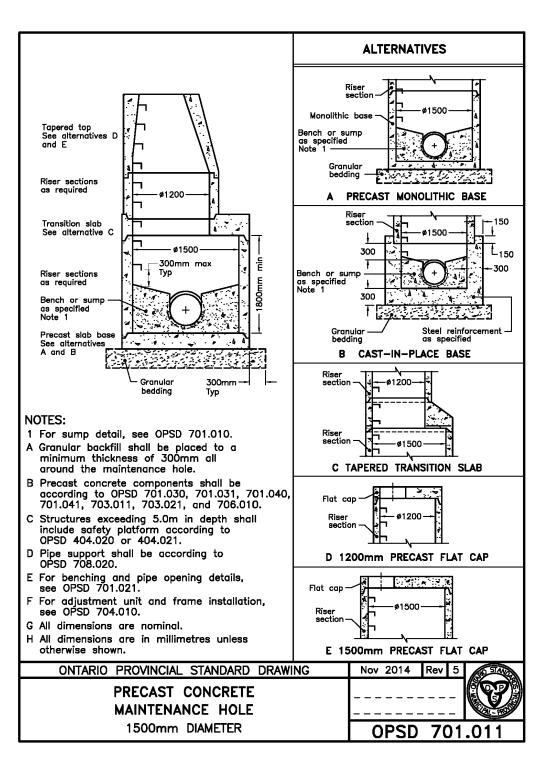
GLENELG EXPANSION LANDS TOWNSHIP OF SOUTHGATE

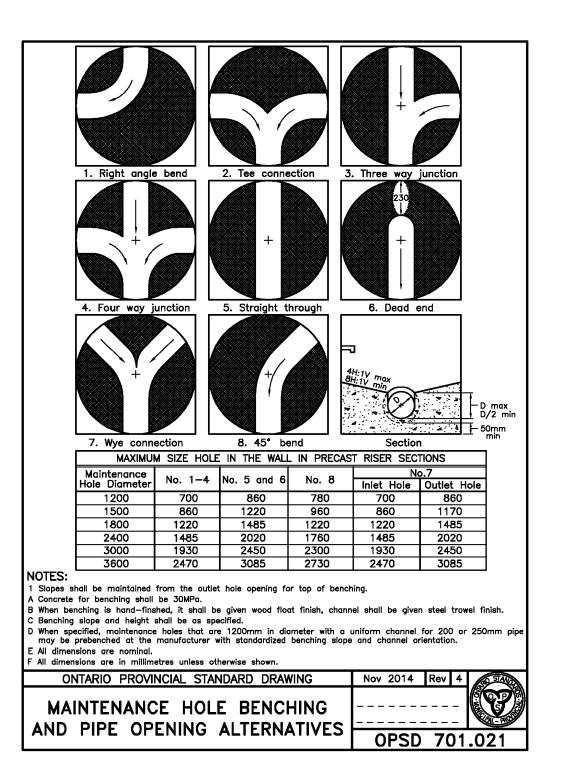
CONSULTING ENGINEERS

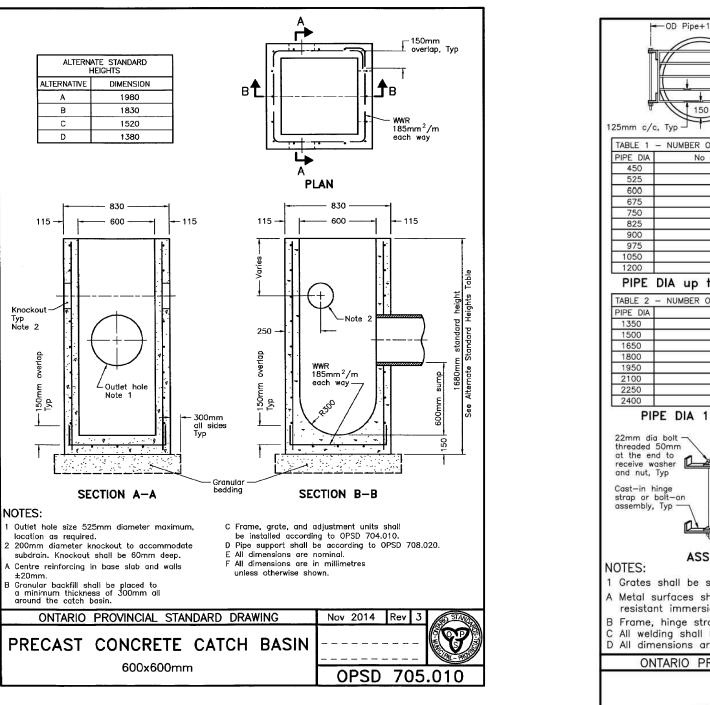
ONTARIO PROVINCIAL STANDARD DRAWINGS

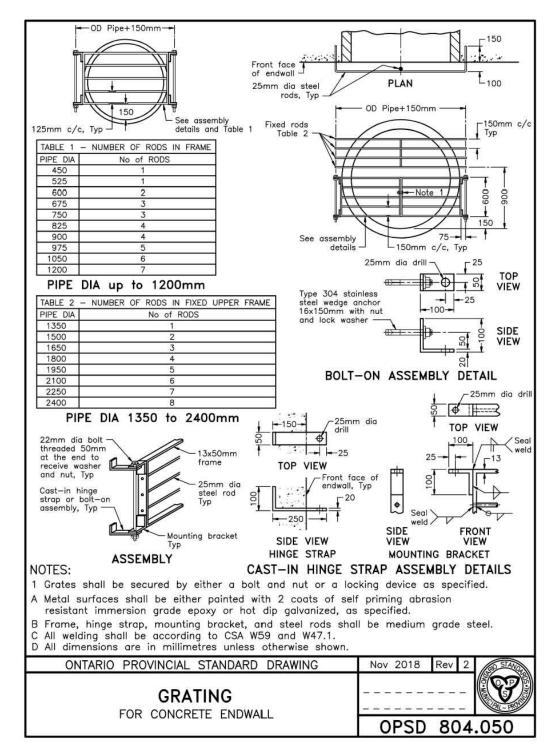
1060-6220 V.P./A.W./R.W. C107B A.W./R.W.

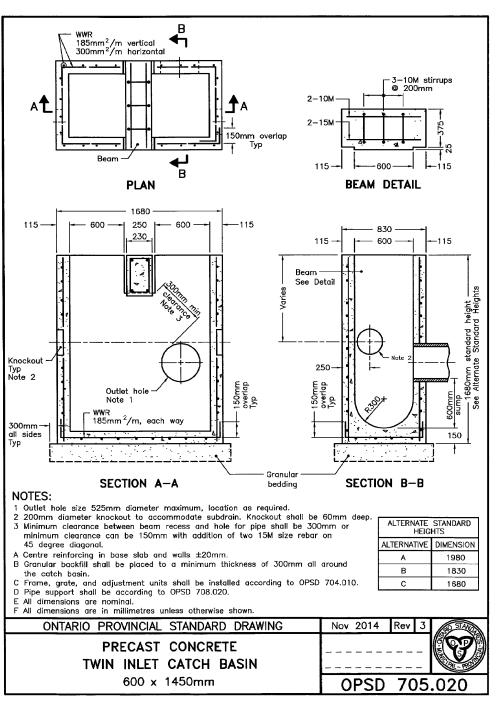


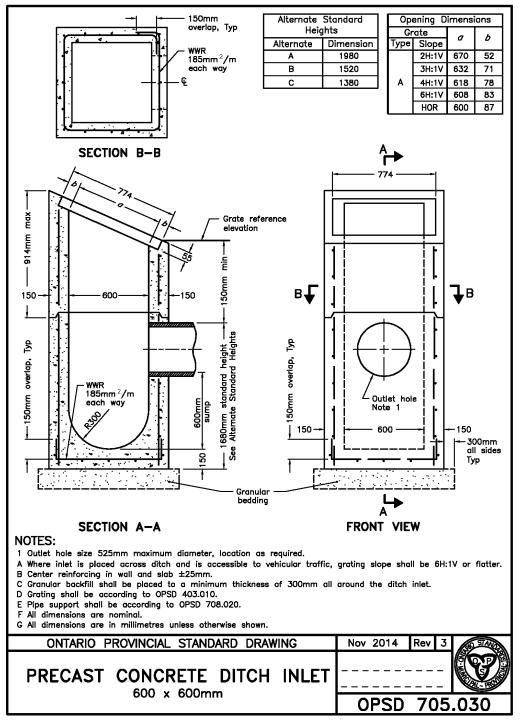


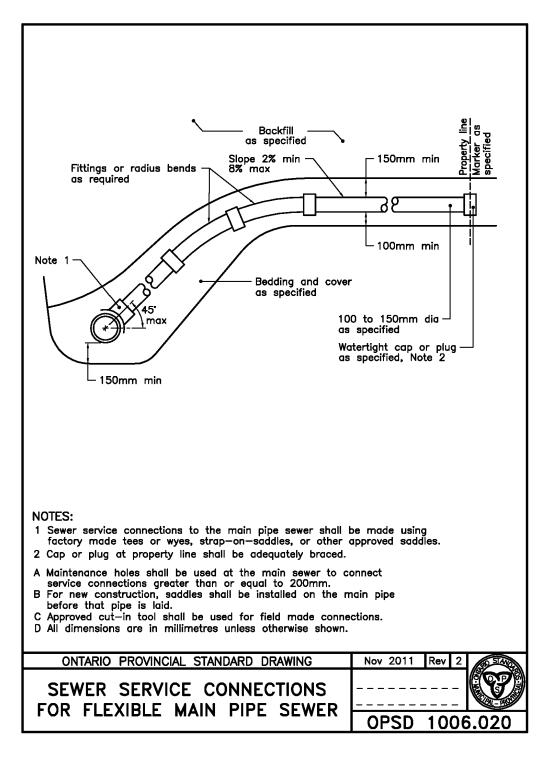


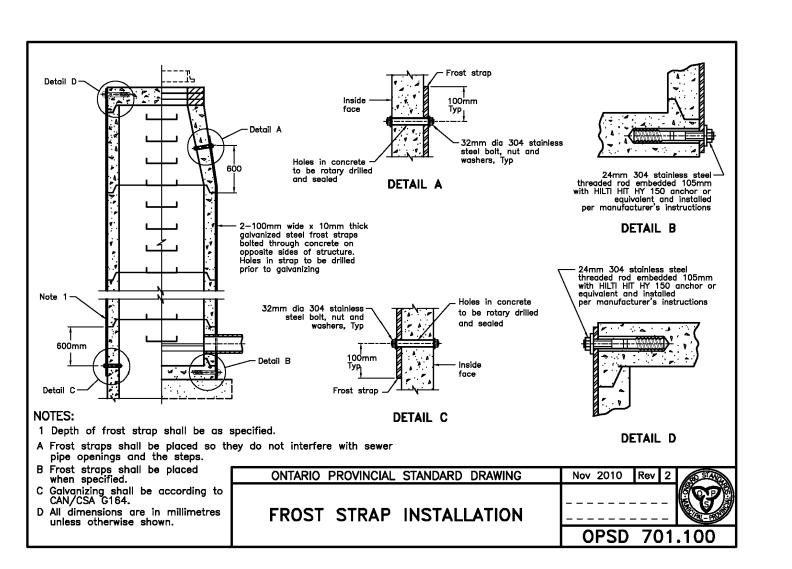












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BENCHMARKS

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No. ISSUE DATE: YYYY/MM/DD Engineer

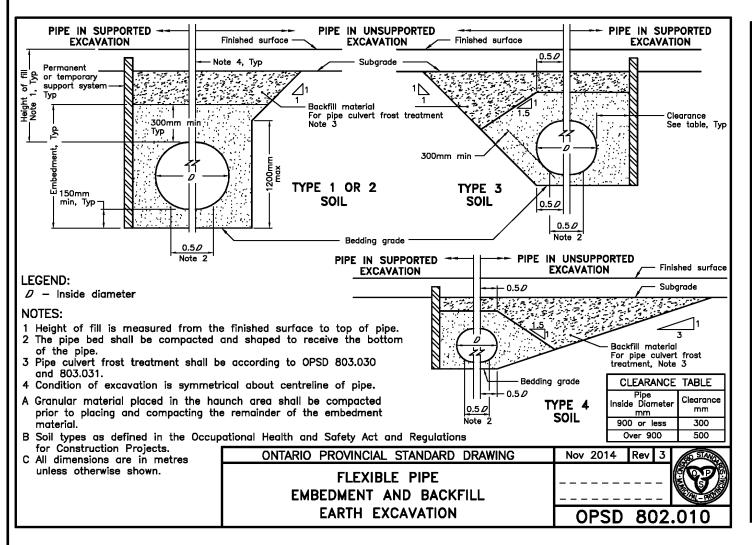
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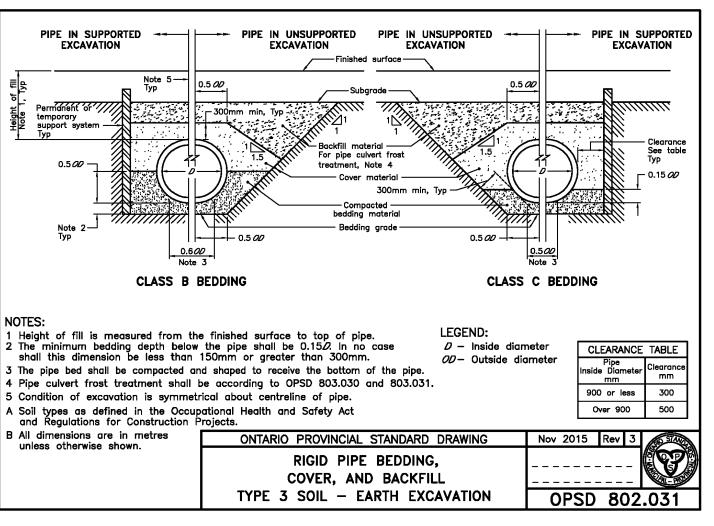
ONTARIO PROVINCIAL STANDARD DRAWINGS

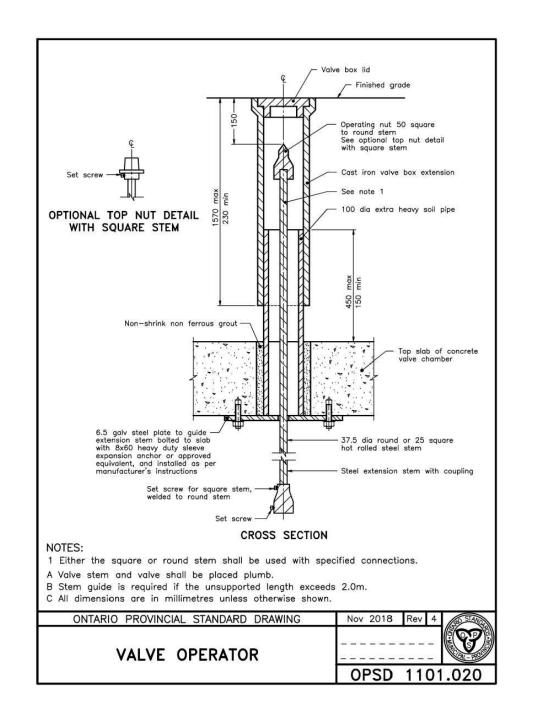


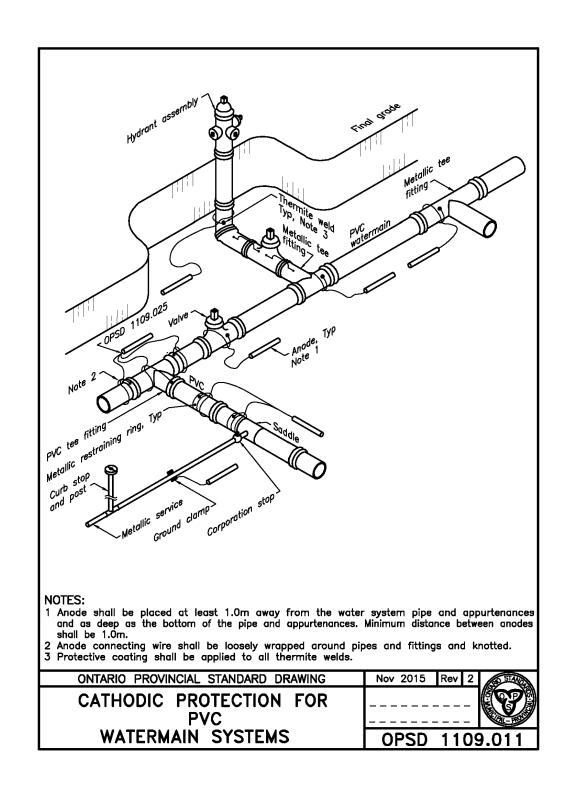
 Drawn By
 V.P.
 Design By V.P./A.W./R.W.
 Project 1060—6220

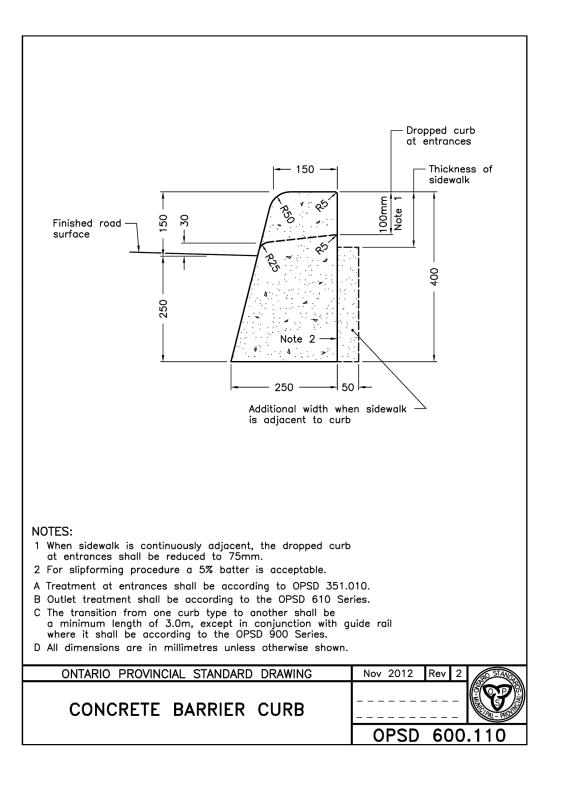
 Check By
 A.W./R.W.
 A.W./R.W.
 Drawing C107C











PIPE IN SUPPORTED PIPE IN UNSUPPORTED

CLASS B BEDDING

1 Height of fill is measured from the finished surface to top of pipe.

The pipe bed shall be compacted and shaped to receive the bottom of the pipe.

Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.

ONTARIO PROVINCIAL STANDARD DRAWING

RIGID PIPE BEDDING,

AND BACKEII I

2 The minimum bedding depth below the pipe shall be 0.150. In no case shall this dimension be less than 150mm or greater than 300mm.

5 Condition of excavation is symmetrical about centreline of pipe.

A Soil types as defined in the Occupational Health and Safety Act and Regulations for Construction Projects.

B All dimensions are in metres unless otherwise shown.

TYPE 4 SOIL - EARTH EXCAVATION

LEGEND:

D - Inside diameter

OD - Outside diameter

PIPE IN UNSUPPORTED PIPE IN SUPPORTED EXCAVATION

CLASS C BEDDING

-- 0.5 *00* 

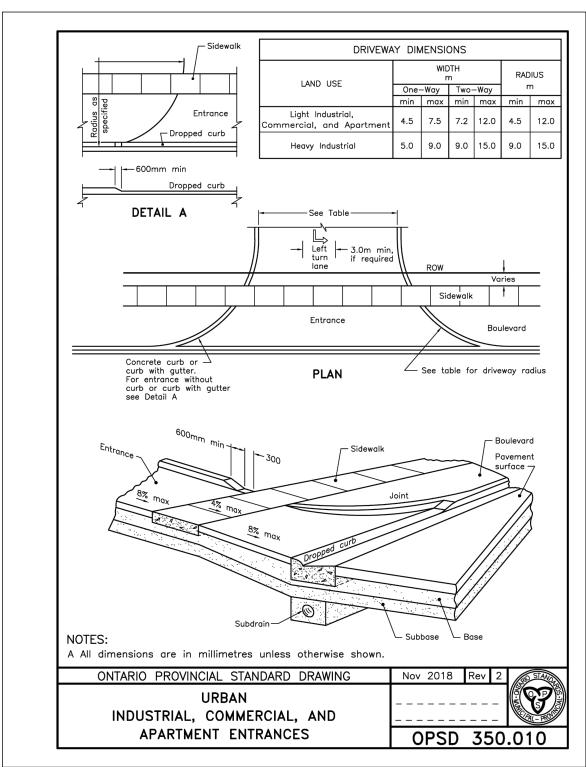
CLEARANCE TABLE

900 or less 300

OPSD 802.032

Over 900 500

EXCAVATION



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DATE: YYYY/MM/DD

GLENELG EXPANSION LANDS TOWNSHIP OF SOUTHGATE

ONTARIO PROVINCIAL STANDARD DRAWINGS



1060-6220 V.P./A.W./R.W. A.W./R.W.