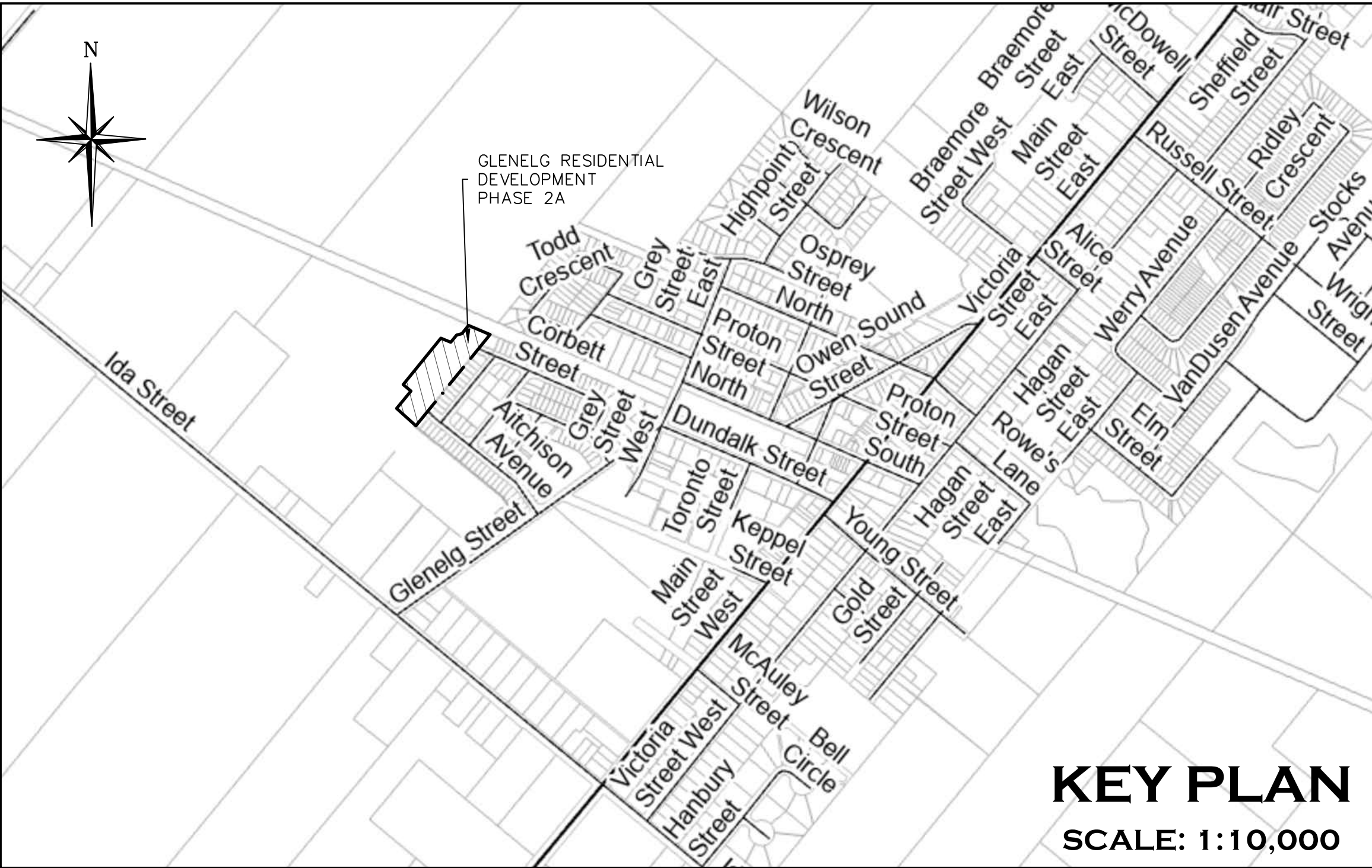


FLATO GLENELG
RESIDENTIAL
DEVELOPMENT
PHASE 2A

COMMUNITY OF DUNDALK
TOWNSHIP OF SOUTHGATE
COUNTY OF GREY



MASTER LEGEND	
EXISTING FEATURES (EX.)	
	EX. CONTOUR
	EX. GRADE
	EX. TREELINE
	EX. WATERCOURSE
	EX. DITCH
	EX. WATERMAIN
	EX. WATER SERVICE
	EX. FIRE HYDRANT & VALVE
	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
	EX. GAS MAIN
	EX. BELL LINE
	EX. BELL PEDESTAL
	EX. CABLE TELEVISION PEDESTAL
	EX. HYDRO POLE
	EX. LIGHT STANDARD
	EX. SIGN
	EX. BUILDING
	EX. BENCHMARK NUMBER & LOCATION
	EX. BOREHOLE NUMBER & LOCATION
PROPOSED FEATURES (PR.)	
	PR. PROPERTY LIMITS
	PR. ELEVATION
	PR. ELEVATION (MATCH EX. ELEVATION)
	PR. SWALE & SLOPE
	PR. MAJOR OVERLAND FLOW
	PR. DITCH DRAINAGE
	PR. WATERMAIN & VALVE
	PR. WATER SERVICE CONNECTION
	PR. FIRE HYDRANT & VALVE
	PR. WATER VALVE CHAMBER
	PR. WATER QUALITY TESTING STATION
	PR. SANITARY SEWER & MANHOLE
	PR. SANITARY FORCEMAIN
	PR. SANITARY SERVICE CONNECTION
	PR. SANITARY CATCHMENT
	PR. CATCHMENT AREA ID
	PR. AREA (ha)
	PR. POPULATION (3.5 p.p.u.)
	PR. STORM SEWER & MANHOLE
	PR. CATCHBASIN
	PR. DOUBLE CATCHBASIN
	PR. CATCHBASIN MANHOLE
	PR. DOUBLE CATCHBASIN MANHOLE
	PR. STORM SERVICE CONNECTION
	PR. STORM CATCHMENT
	PR. CATCHMENT AREA ID
	PR. RUNOFF COEFFICIENT
	PR. DRAINAGE AREA (ha)
	PR. CURB CUT
	PR. CANADA POST COMMUNITY MAIL BOX
	PR. TRANSFORMER
	PR. STOP SIGN
	PR. NAME SIGN
	PR. NO PARKING SIGN
	PR. FENCE
	PR. BUILDING ENVELOPE
	PR. LIGHT DUTY SILT FENCE
	PR. HEAVY DUTY SILT FENCE
	PR. STRAW BALE CHECK FLOW
	PR. ROCK CHECK DAM
	PR. SLOPE (3:1 MAX.)
	PR. TREE PRESERVATION AREA
	PR. TOPSOIL STOCKPILE LOCATION
	PR. SWM FACILITY ACCESS ROAD

DRAWING	TITLE
C100	TITLE SHEET
C101	GENERAL SERVICING PLAN
C102	SITE GRADING PLAN
C103A	PLAN & PROFILE – AITCHISON AVE. (STA. 0+280.00 TO STA. 0+420.00)
C103B	PLAN & PROFILE – CORBETT STREET (STA. 0+340.00 TO STA. 0+520.00)
C103C	PLAN & PROFILE – STREET C (STA. 3+000.00 TO STA. 3+160.00)
C106A	STORM WATER MANAGEMENT FACILITY PLAN
C106B	STORM WATER MANAGEMENT FACILITY SECTION A–A, SECTION B–B
C106C	STORM WATER MANAGEMENT FACILITY SECTION C–C
C106D	DRY POND OUTLET CONTROL STRUCTURE CROSS–SECTIONS & DETAILS
C107	SANITARY DRAINAGE PLAN
C108	STORM DRAINAGE PLAN
C109	CONSTRUCTION NOTES & DETAILS
C110A	CONSTRUCTION NOTES & DETAILS
C110B	ONTARIO PROVINCIAL STANDARD DRAWINGS
C110C	ONTARIO PROVINCIAL STANDARD DRAWINGS
C110D	MUNICIPAL STANDARD DRAWINGS
C110E	CANADA POST COMMUNITY SUPERBOX DETAILS

MUNICIPALITY

TOWNSHIP OF SOUTHGATE
185667 GREY COUNTY ROAD 9,
DUNDALK, ONTARIO, N0C 1B0

DEVELOPER

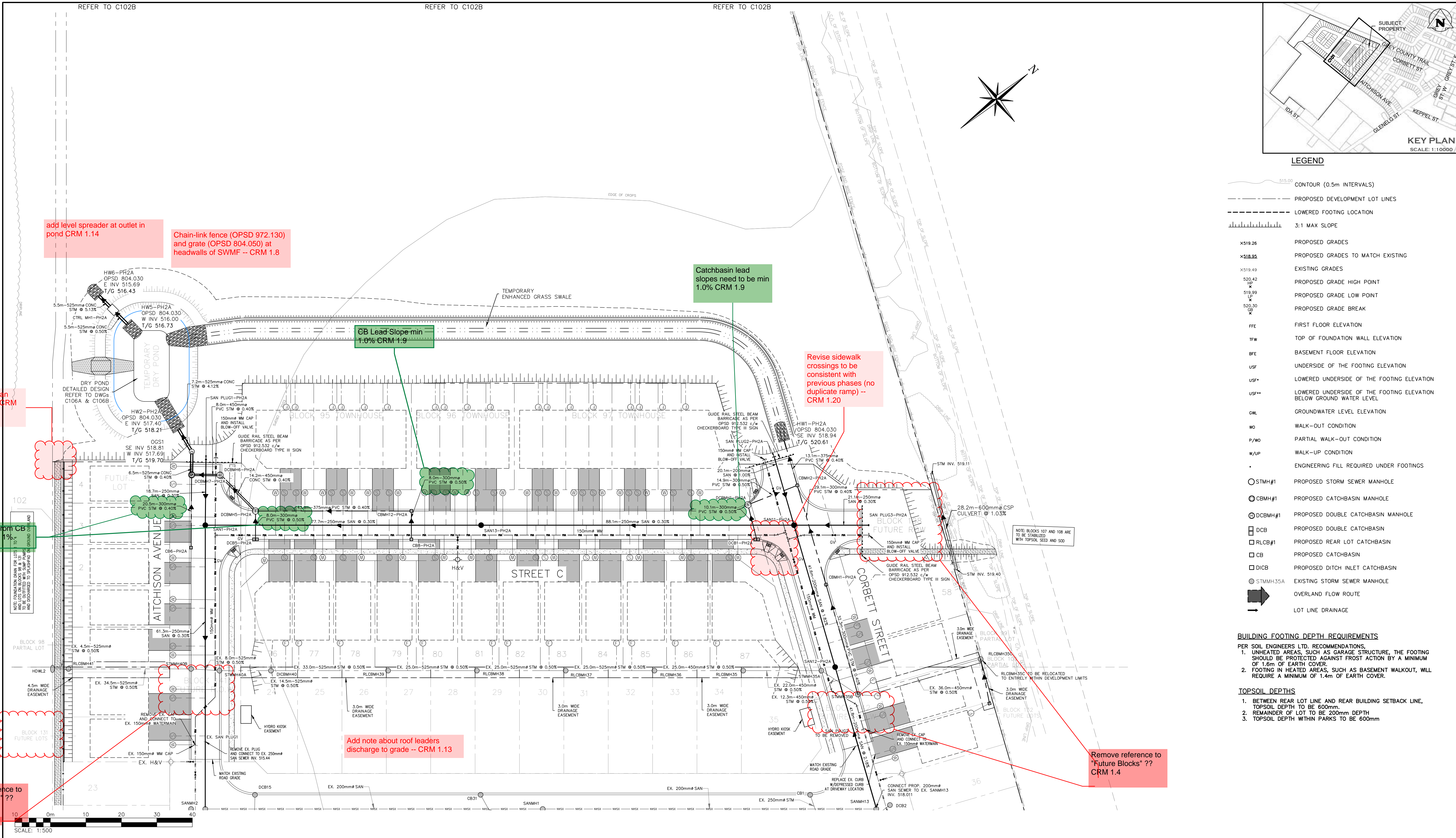
SOUTHGATE MEADOWS INC.
3621 HIGHWAY 7 EAST, SUITE 503
MARKHAM, ONTARIO, L3R 0G6

DEVELOPER'S ENGINEER



70 HURON STREET, SUITE 100
COLLINGWOOD, ON, L9Y 4L4
705-446-3510
WWW.CFCROZIER.CA

PROJECT No.: 1060-5545
1ST SUBMISSION



LEGEND

515.00 CONTOUR (0.5m INTERVALS)

PROPOSED DEVELOPMENT LOT LINES

LOWERED FOOTING LOCATION

3:1 MAX SLOPE

PROPOSED GRADES

PROPOSED GRADES TO MATCH EXISTING

EXISTING GRADES

PROPOSED GRADE HIGH POINT

PROPOSED GRADE LOW POINT

PROPOSED GRADE BREAK

FIRST FLOOR ELEVATION

TOP OF FOUNDATION WALL ELEVATION

BASEMENT FLOOR ELEVATION

UNDERSIDE OF THE FOOTING ELEVATION

LOWERED UNDERSIDE OF THE FOOTING ELEVATION

LOWERED UNDERSIDE OF THE FOOTING ELEVATION BELOW GROUND WATER LEVEL

GROUNDWATER LEVEL ELEVATION

WALK-OUT CONDITION

PARTIAL WALK-OUT CONDITION

ENGINEERING FILL REQUIRED UNDER FOOTINGS

PROPOSED STORM SEWER MANHOLE

PROPOSED CATCHBASIN MANHOLE

PROPOSED DOUBLE CATCHBASIN MANHOLE

PROPOSED DOUBLE CATCHBASIN

PROPOSED REAR LOT CATCHBASIN

PROPOSED CATCHBASIN

PROPOSED DITCH INLET CATCHBASIN

EXISTING STORM SEWER MANHOLE

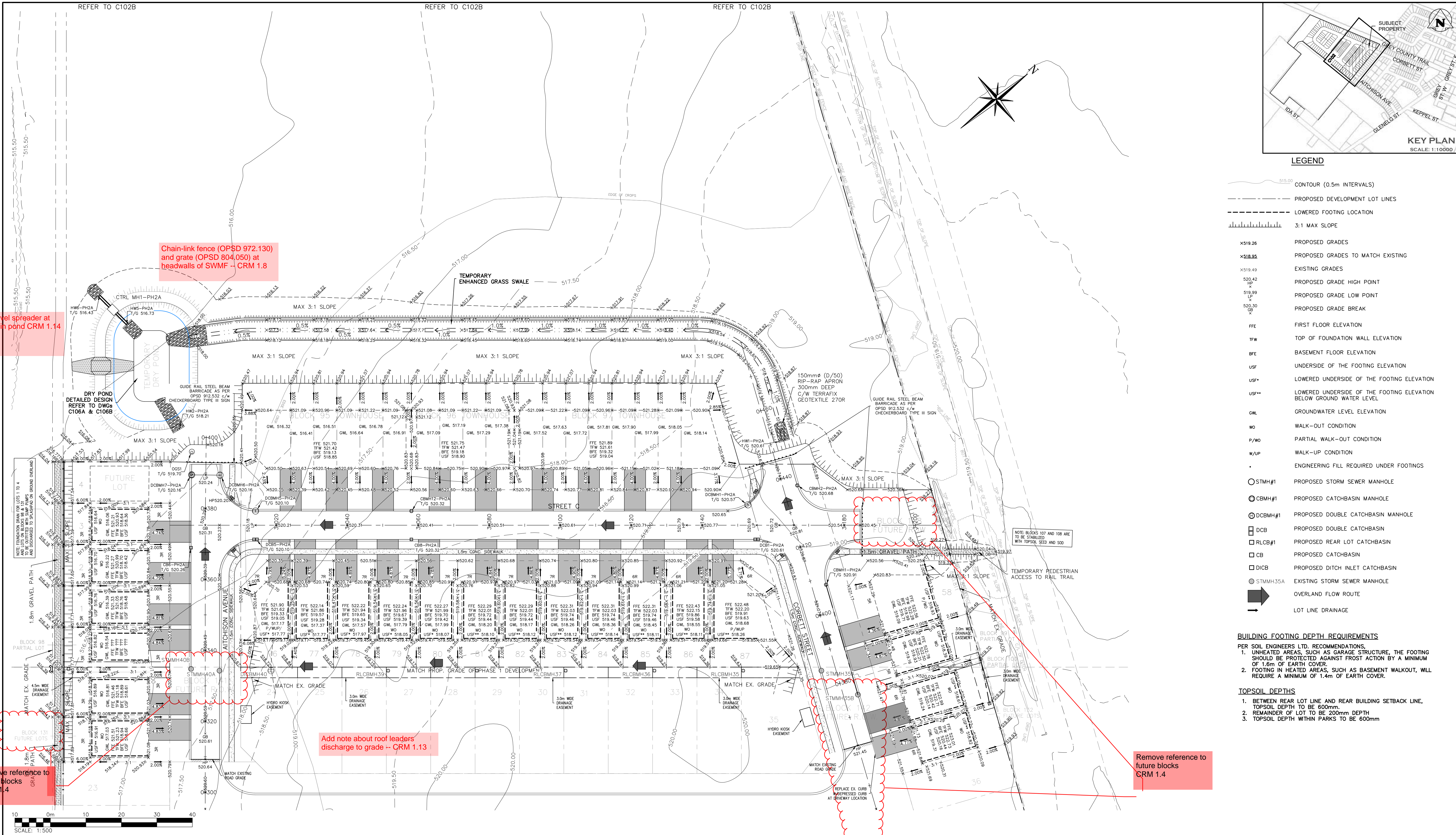
OVERLAND FLOW ROUTE

LOT LINE DRAINAGE

- BUILDING FOOTING DEPTH REQUIREMENTS**
- PER SOIL ENGINEERS LTD. RECOMMENDATIONS.
1. UNHEATED AREAS, SUCH AS GARAGE STRUCTURE, THE FOOTING SHOULD BE PROTECTED AGAINST FROST ACTION BY A MINIMUM OF 1.6m OF EARTH COVER.
2. FOOTING IN HEATED AREAS, SUCH AS BASEMENT WALKOUT, WILL REQUIRE A MINIMUM OF 1.4m OF EARTH COVER.
- TOPSOIL DEPTHS**
1. BETWEEN REAR LOT LINE AND REAR BUILDING SETBACK LINE, TOPSOIL DEPTH TO BE 600mm.
2. REMAINDER OF LOT TO BE 200mm DEPTH
3. TOPSOIL DEPTH WITHIN PARKS TO BE 600mm

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			1	ISSUED FOR 1st SUBMISSION							01/24/2025





LEGEND

- 515.00 CONTOUR (0.5m INTERVALS)
- PROPOSED DEVELOPMENT LOT LINES
- LOWERED FOOTING LOCATION
- 3:1 MAX SLOPE
- X519.26 PROPOSED GRADES
- X518.95 PROPOSED GRADES TO MATCH EXISTING
- X519.49 EXISTING GRADES
- 520.42 PROPOSED GRADE HIGH POINT
- 519.99 PROPOSED GRADE LOW POINT
- 520.30 PROPOSED GRADE BREAK
- FFE FIRST FLOOR ELEVATION
- TFW TOP OF FOUNDATION WALL ELEVATION
- BFE BASEMENT FLOOR ELEVATION
- USF UNDERSIDE OF THE FOOTING ELEVATION
- USF* LOWERED UNDERSIDE OF THE FOOTING ELEVATION
- USF** LOWERED UNDERSIDE OF THE FOOTING ELEVATION BELOW GROUND WATER LEVEL
- GWL GROUNDWATER LEVEL ELEVATION
- WO WALK-OUT CONDITION
- P/WO PARTIAL WALK-OUT CONDITION
- W/UP WALK-UP CONDITION
- ENGINEERING FILL REQUIRED UNDER FOOTINGS
- STMH#1 PROPOSED STORM SEWER MANHOLE
- CBMH#1 PROPOSED CATCHBASIN MANHOLE
- DCBMH#1 PROPOSED DOUBLE CATCHBASIN MANHOLE
- DCB PROPOSED DOUBLE CATCHBASIN
- RLCB#1 PROPOSED REAR LOT CATCHBASIN
- CB PROPOSED CATCHBASIN
- DICB PROPOSED DITCH INLET CATCHBASIN
- STMH35A EXISTING STORM SEWER MANHOLE
- OVERLAND FLOW ROUTE
- LOT LINE DRAINAGE

BUILDING FOOTING DEPTH REQUIREMENTS

- PER SOIL ENGINEERS LTD. RECOMMENDATIONS.
- UNHEATED AREAS, SUCH AS GARAGE STRUCTURE, THE FOOTING SHOULD BE PROTECTED AGAINST FROST ACTION BY A MINIMUM OF 1.6m OF EARTH COVER.
 - FOOTING IN HEATED AREAS, SUCH AS BASEMENT WALKOUT, WILL REQUIRE A MINIMUM OF 1.4m OF EARTH COVER.

TOPSOIL DEPTHS

- BETWEEN REAR LOT LINE AND REAR BUILDING SETBACK LINE, TOPSOIL DEPTH TO BE 600mm.
- REMAINDER OF LOT TO BE 200mm DEPTH
- TOPSOIL DEPTH WITHIN PARKS TO BE 600mm

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GEODETIC BENCHMARKS

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

Town

No.

ISSUE

DATE: MMM/DD/YYYY

Engineer

Engineer

Project

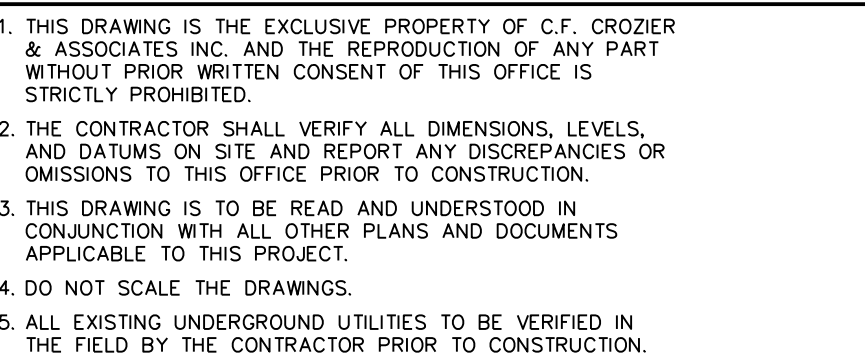
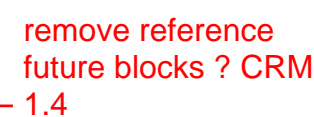
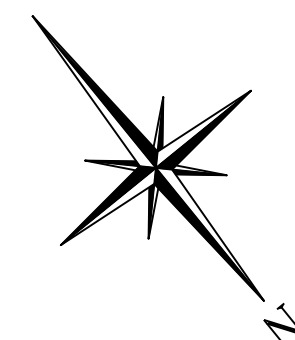
GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

Drawing

SITE GRADING PLAN



Drawn By V.P. Design By V.P./R.W. Project 1060-5545
Check By R.W. Check By R.W. Drawing C102



Town	
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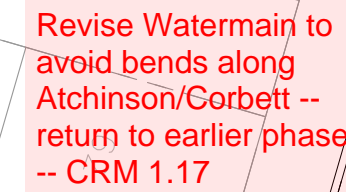
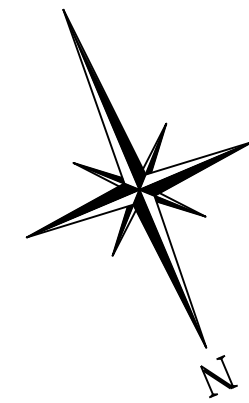
Engineer

Engineer



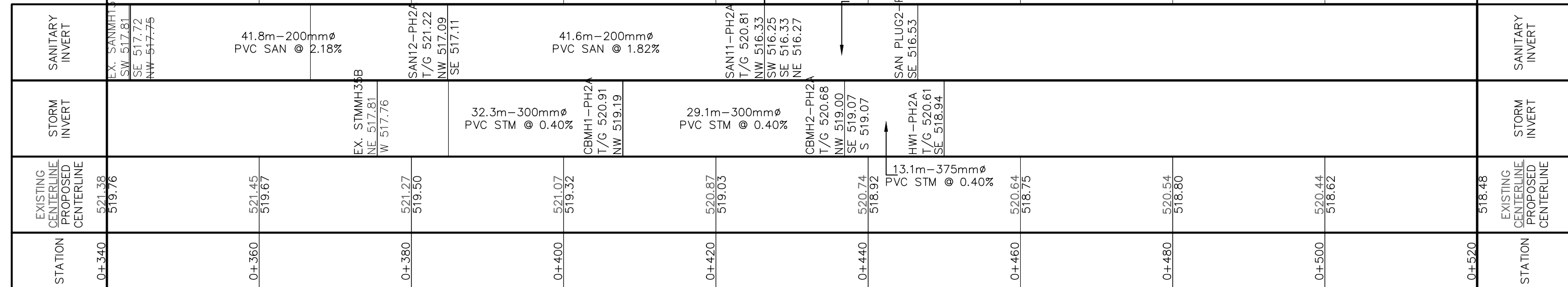
CROZIER
CONSULTING ENGINEERS

Drawn By V.P.	Design By V.P./R.W.	Project 1060-5545
Check By R.W.	Check By R.W.	Drawing C103A



- Move to cross type, remove offset of WM - CRM 1.18

Remove references
to future blocks
CRM 1.4



GEODETIC BENCHMARKS

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

Town	
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DATE: MMM/DD/Y

	Engineer
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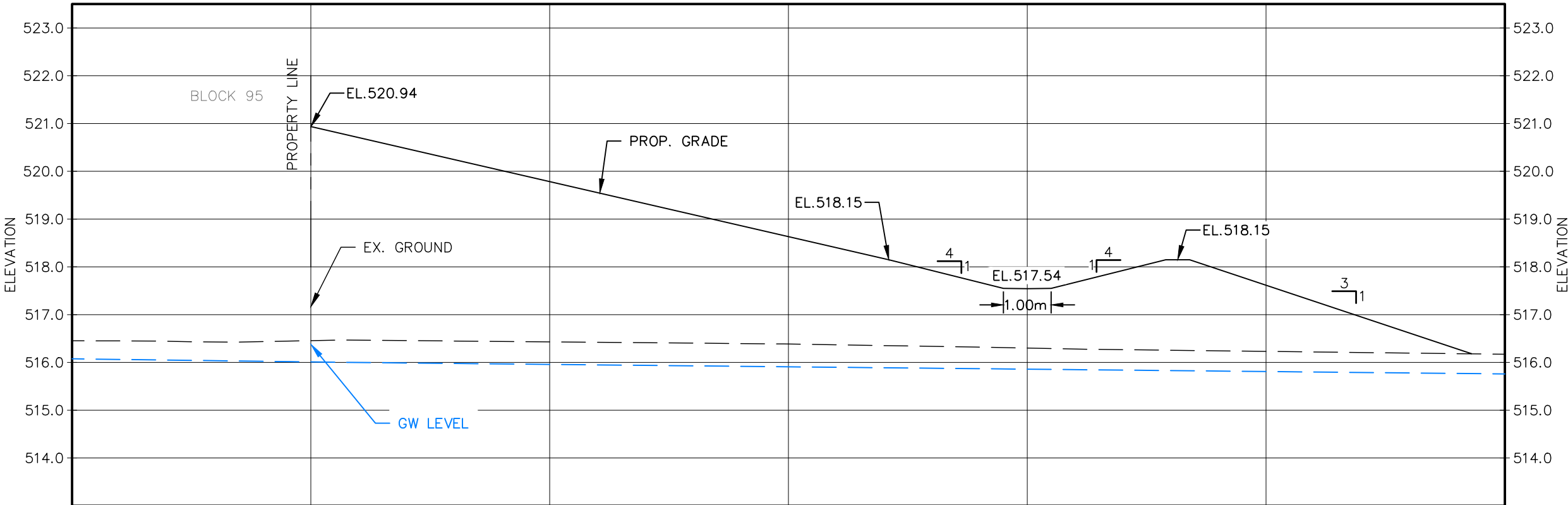
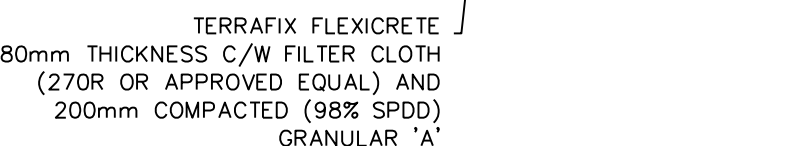
	Project
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GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

PLAN AND PROFILE
CORBETT STREET
STA. 0+340.00 TO STA. 0+520.00

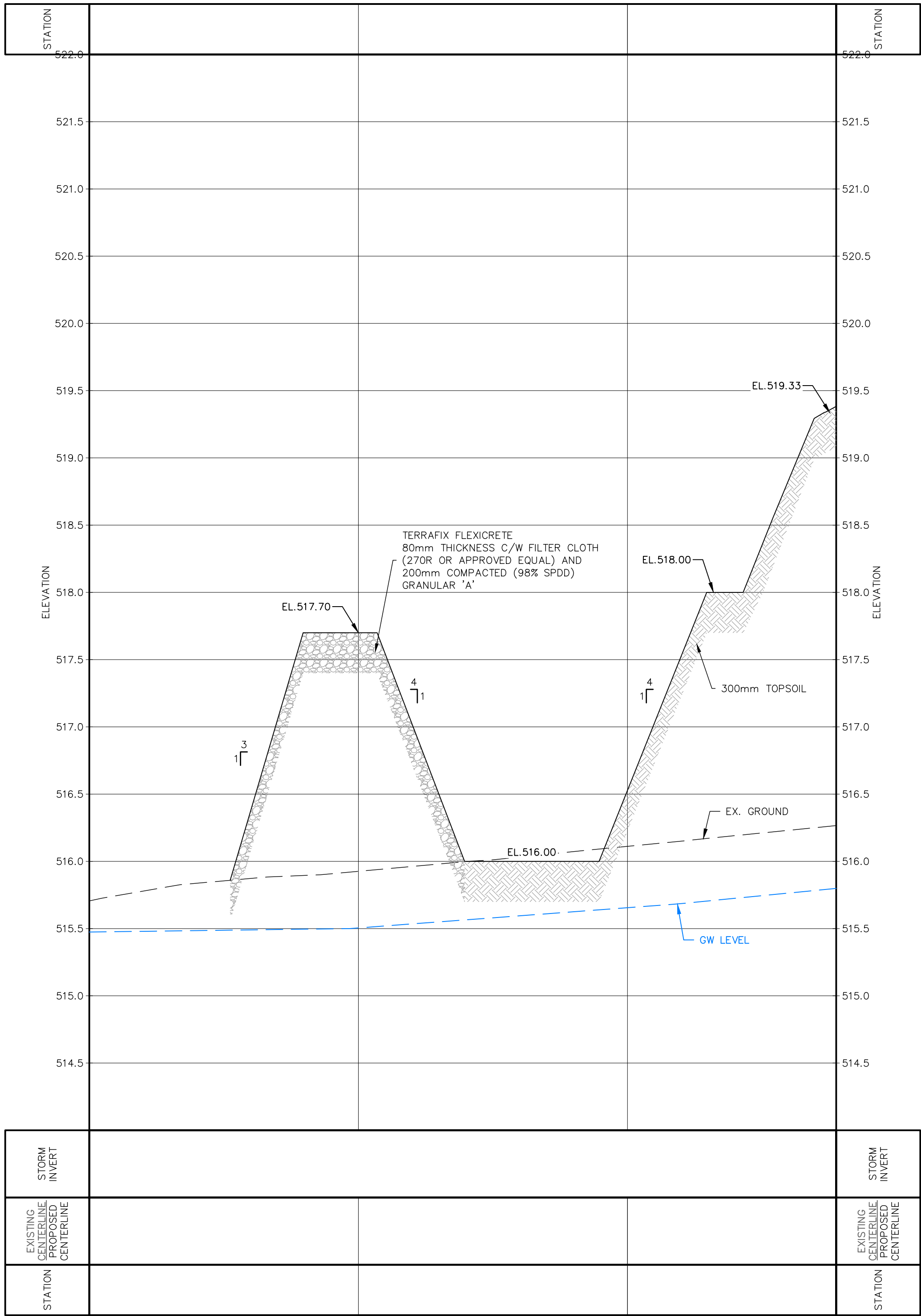


Drawn By V.P.	Design By V.P./R.W.	Project 1060-5545
Check By R.W.	Check By R.W.	Drawing C103B

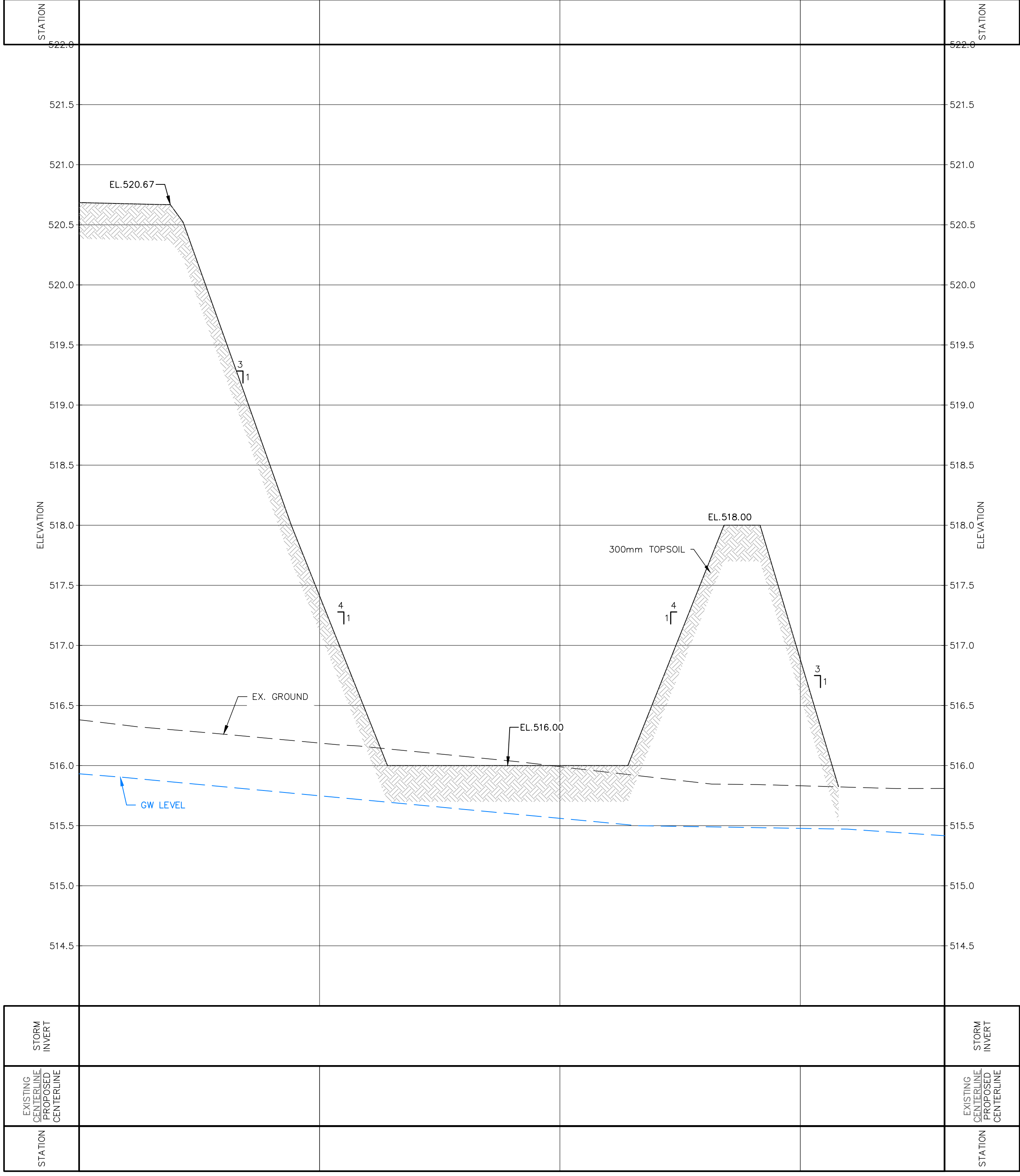


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			1	ISSUED FOR 1st SUBMISSION	01/24/2025					

5545_DRY-POND – SEC A-A



5545_DRY-POND – SEC B-B



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GEODETIC BENCHMARKS
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

Town

No.	ISSUE	DATE: MMM/DD/YYYY
1	ISSUED FOR 1st SUBMISSION	01/24/2025

Engineer

Engineer

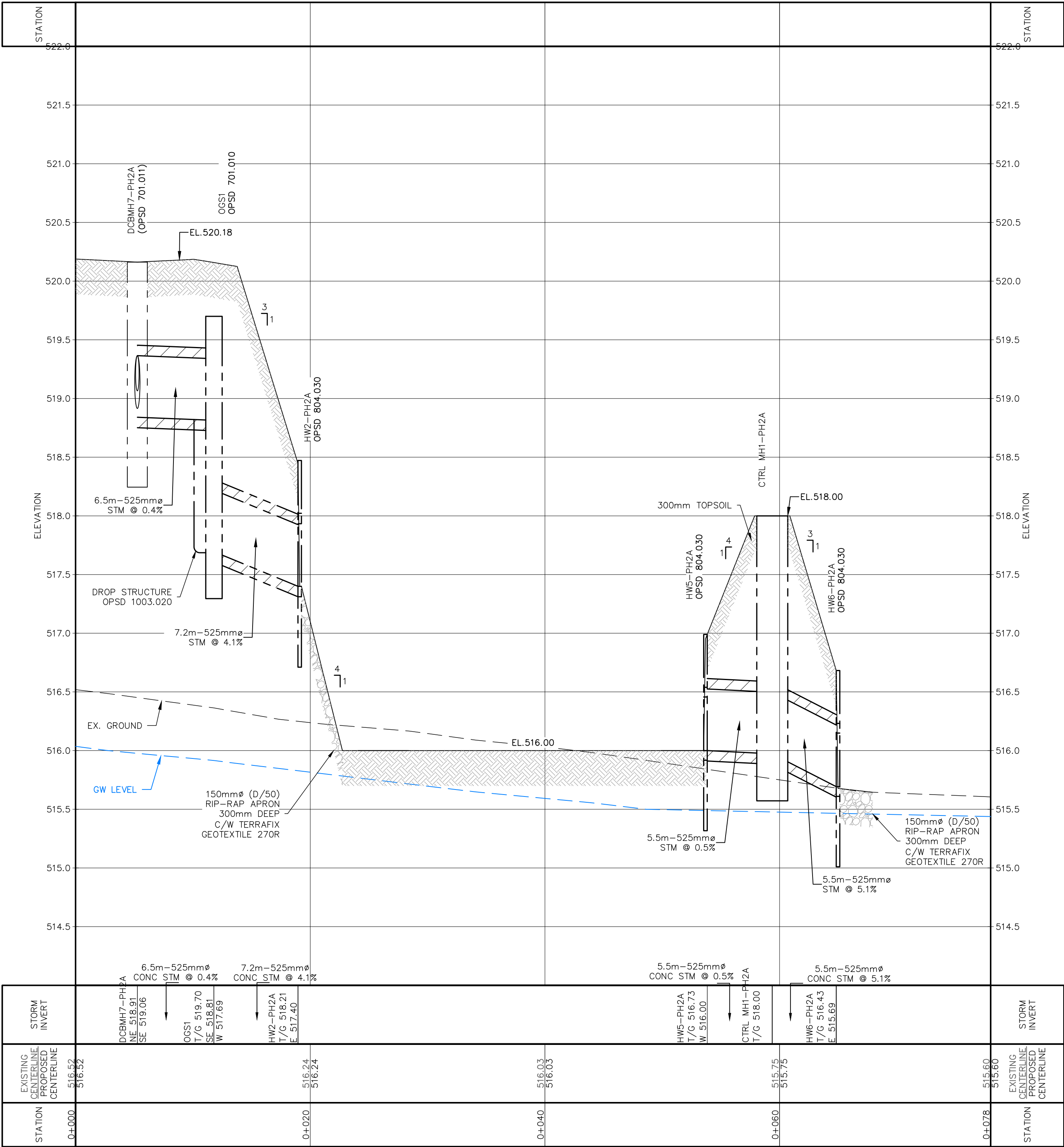
Project
GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

Drawing
SWM FACILITY
SECTION A-A, SECTION B-B



Drawn By	V.P.	Design By	V.P./A.W./N.O.C.	Project	1060-5545
Check By	A.W./N.O.C.	Check By	A.W./N.O.C.	Drawing	C106B

5545_DRY-POND - SEC C-C



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GEODETIC BENCHMARKS

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

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01/24/2025

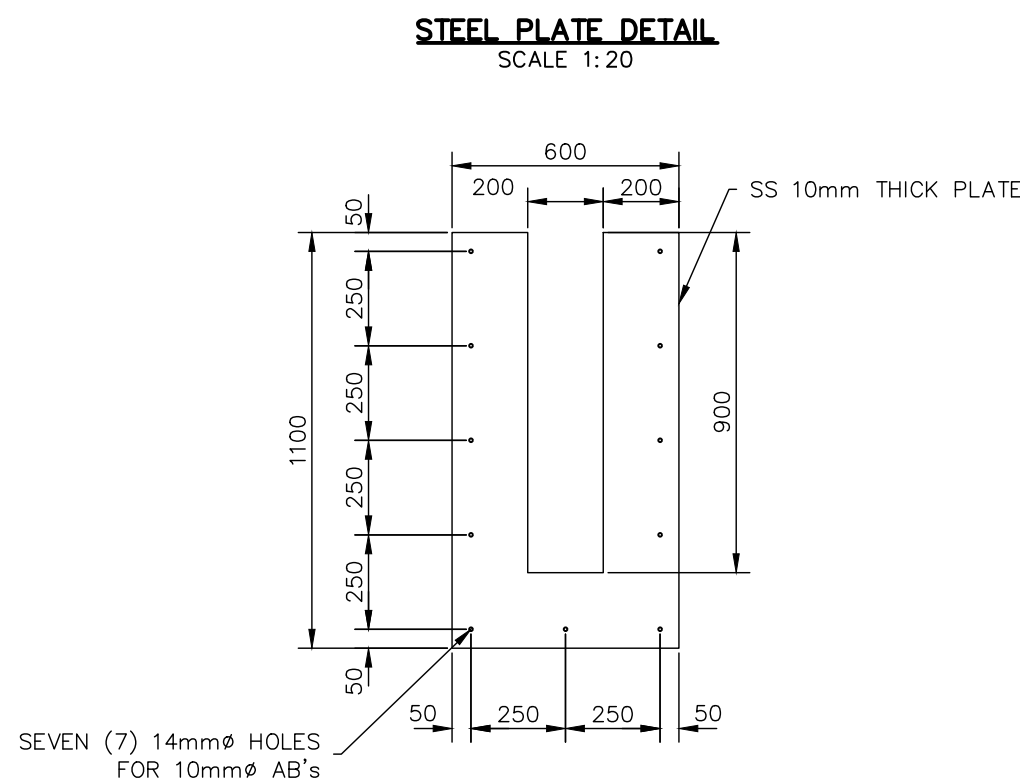
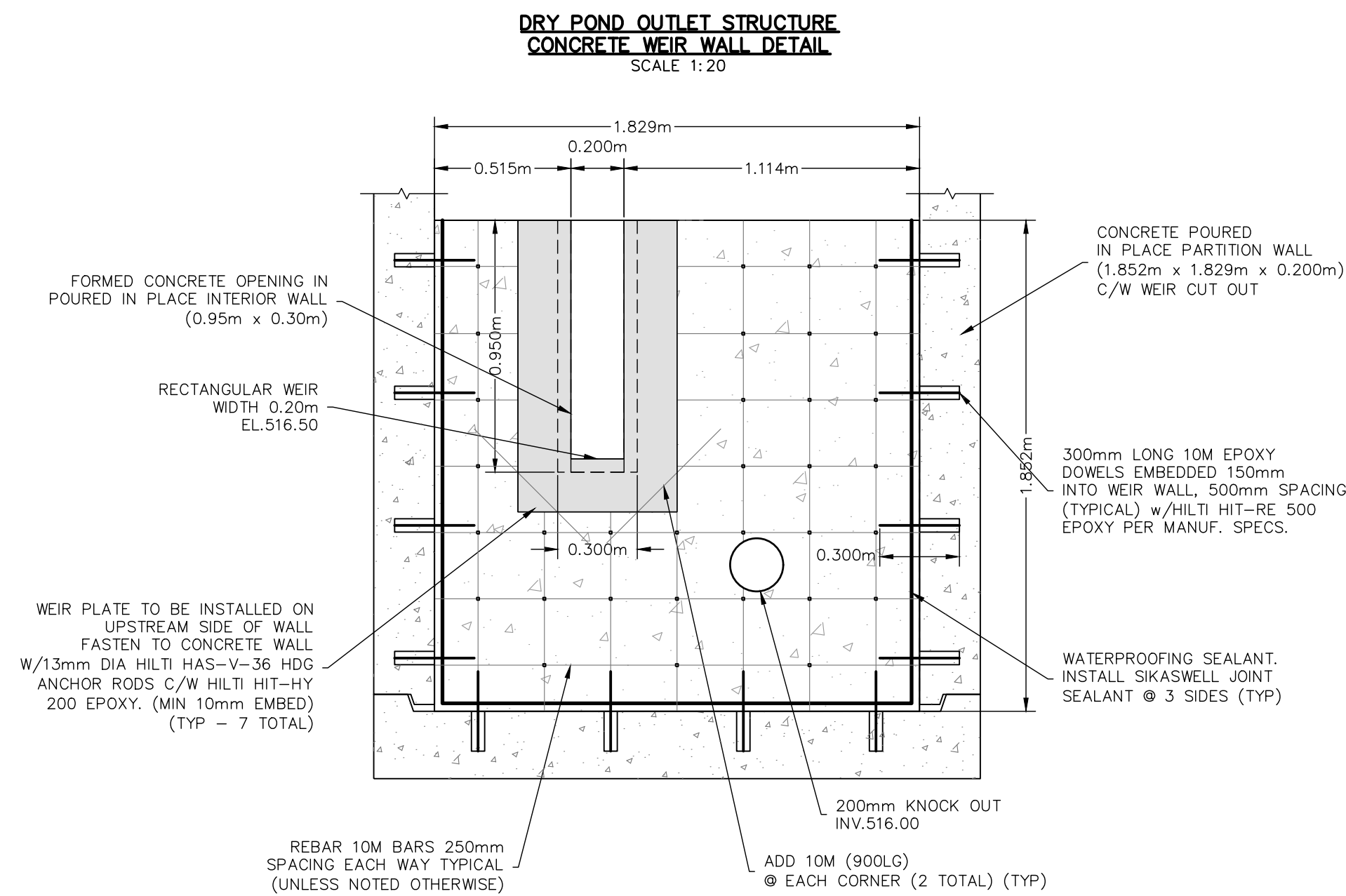
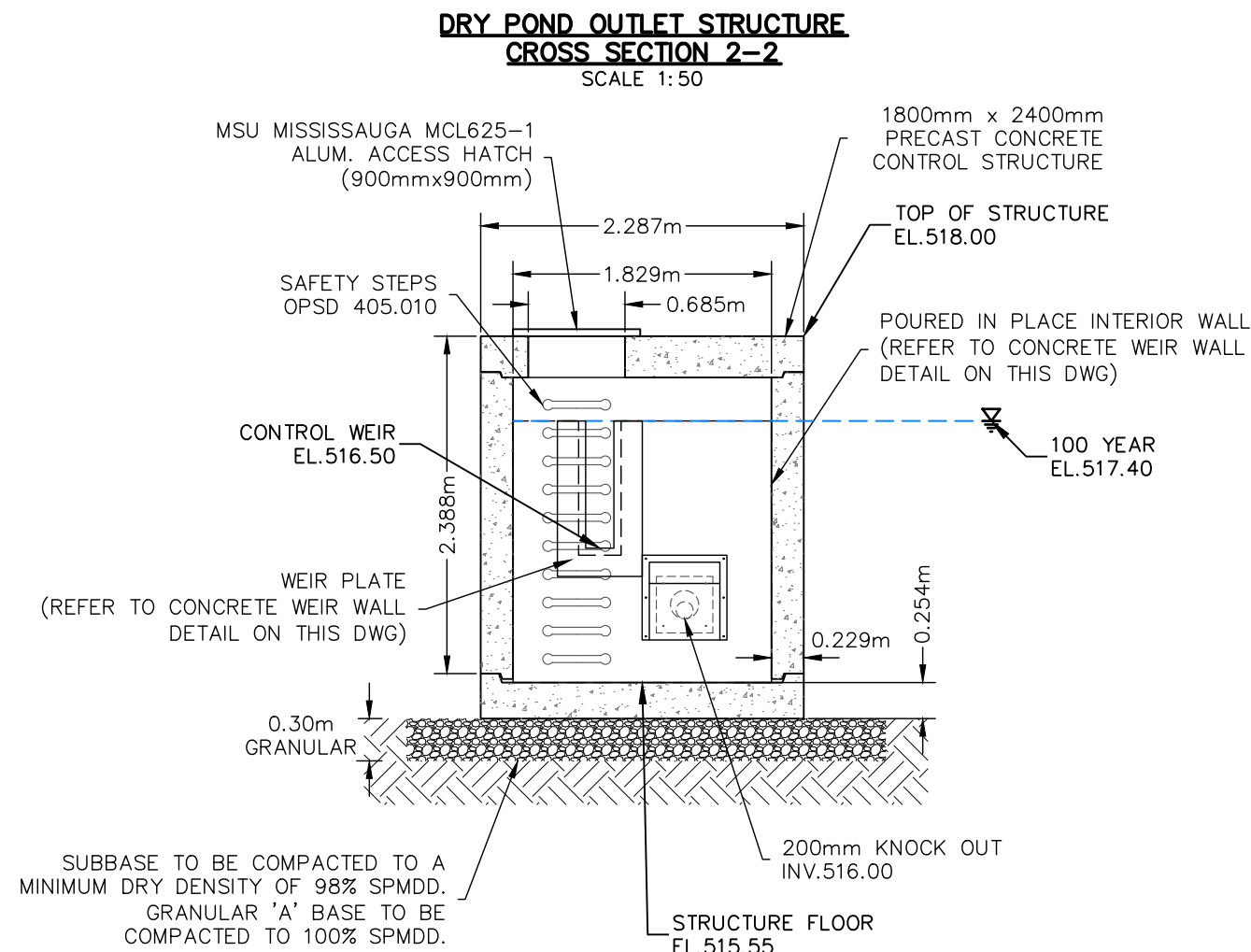
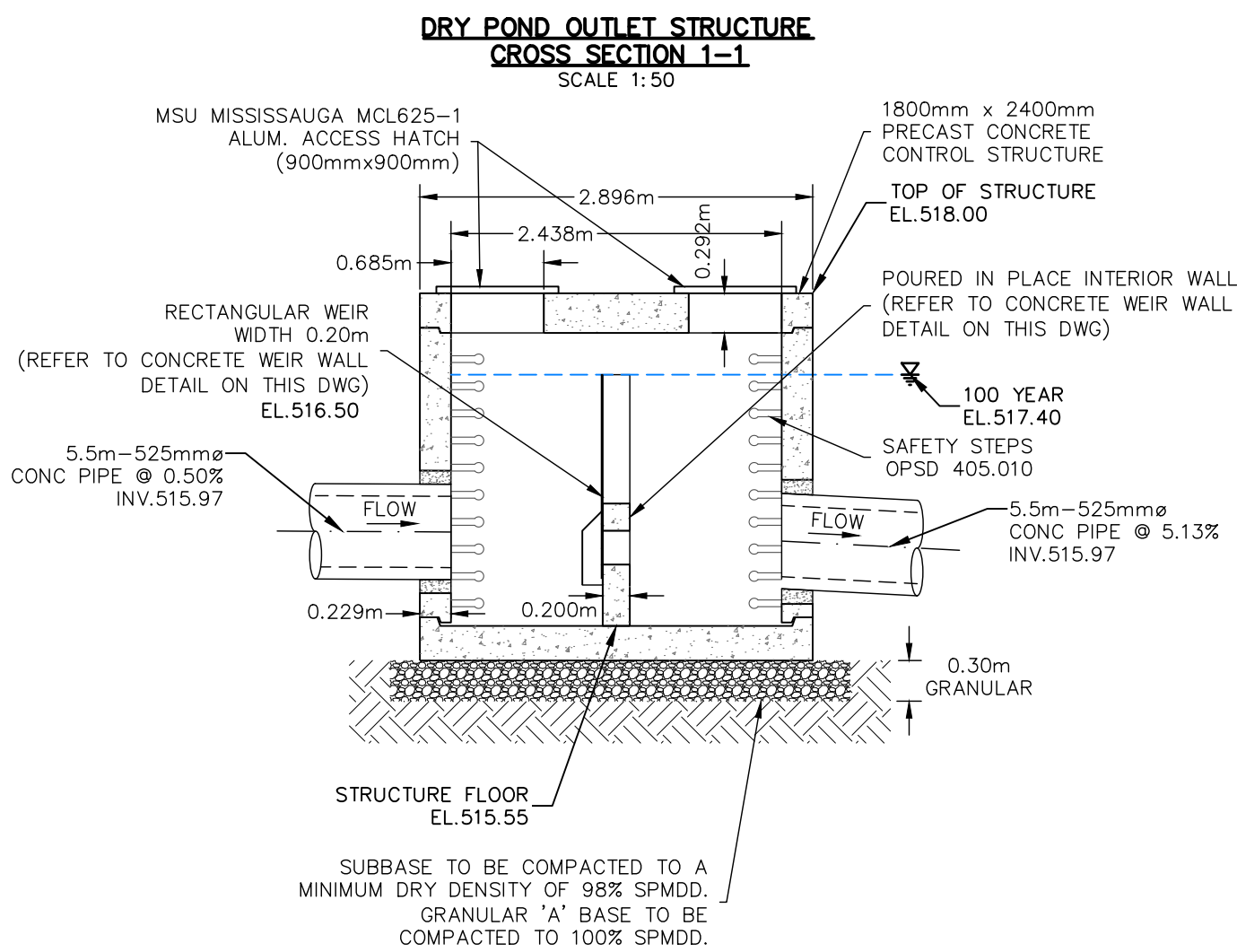
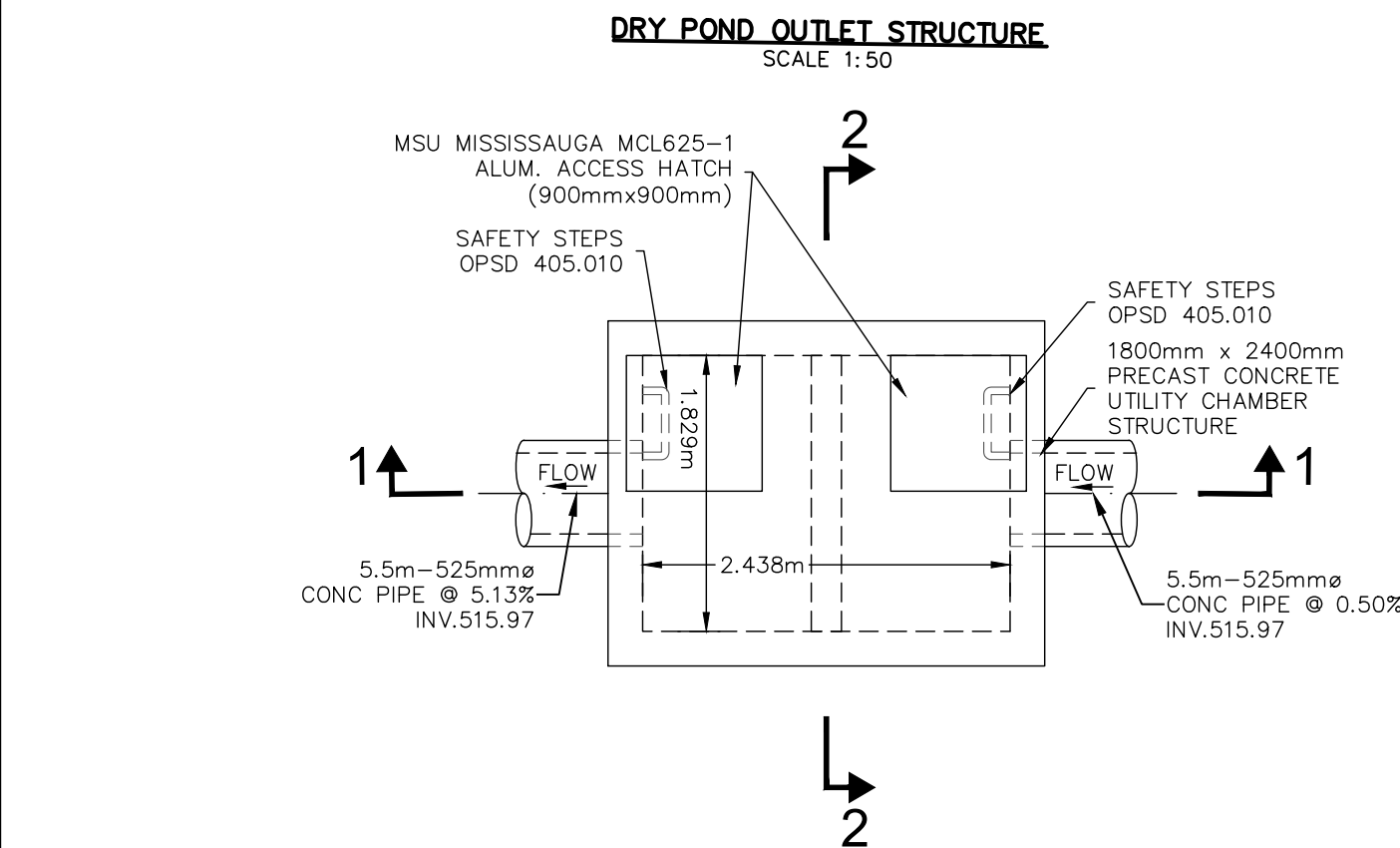
Project

GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

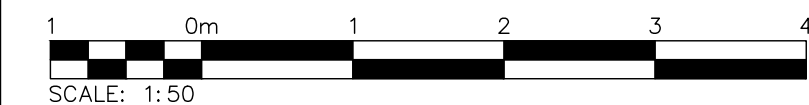
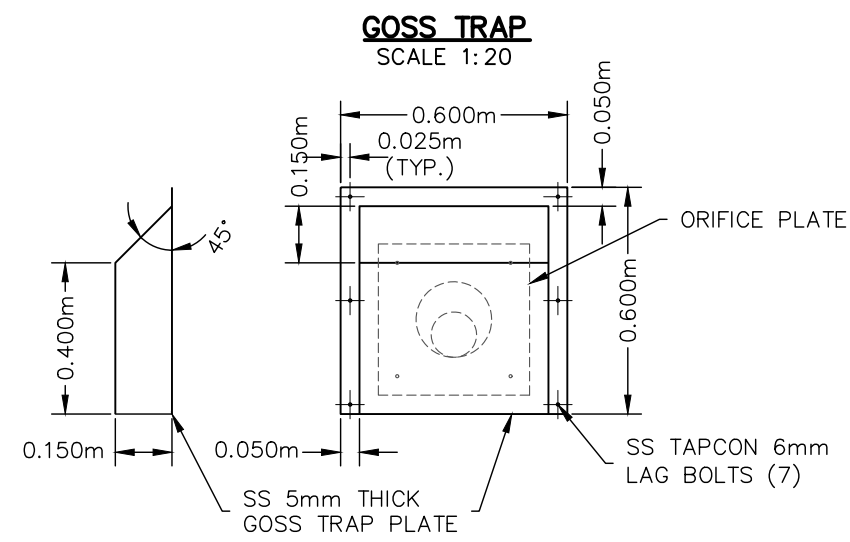
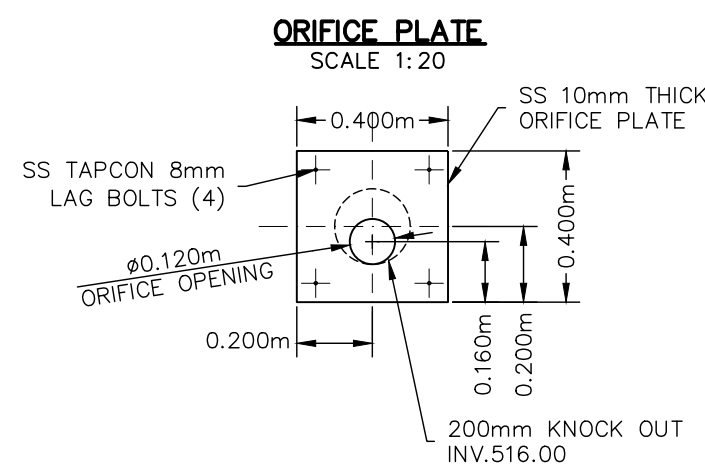
SWM FACILITY
SECTION C-C



Drawn By V.P.	Design By V.P./A.W./N.O.C.	Project 1060-5545
Check By A.W./N.O.C.	Check By A.W./N.O.C.	Drawing C106C



- NOTES:
- ALL STEEL SHALL BE HOT-DIPPED GALVANIZED (HDG) UNLESS NOTED OTHERWISE
 - ALL DIMENSIONS ON THIS STEEL PLATE DETAIL ARE IN MILLIMETERS (mm)



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GEODETIC BENCHMARKS
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

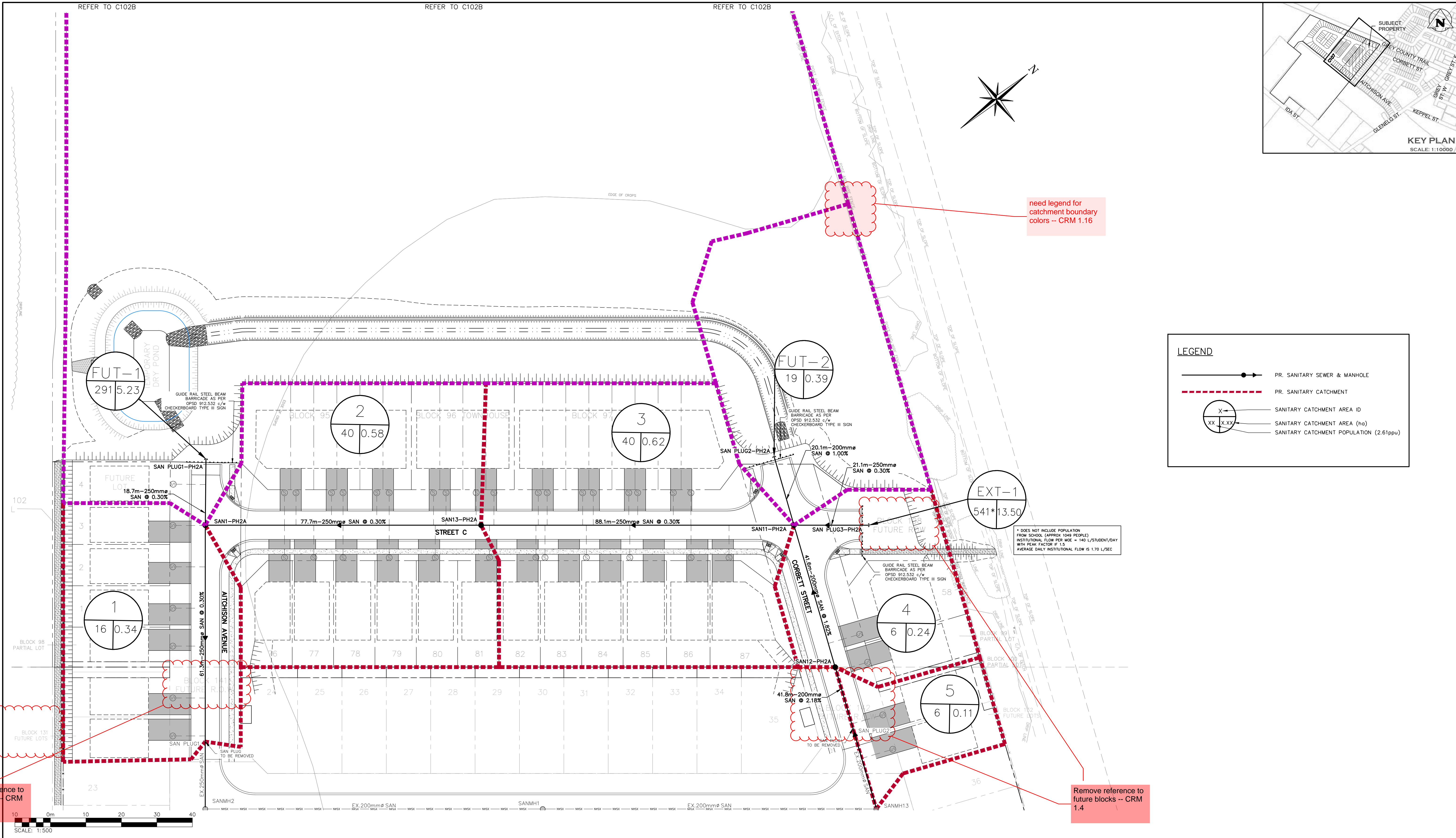
Town




No.	ISSUE	DATE: MM/DD/YYYY	Engineer
1	ISSUED FOR 1st SUBMISSION	01/24/2025	

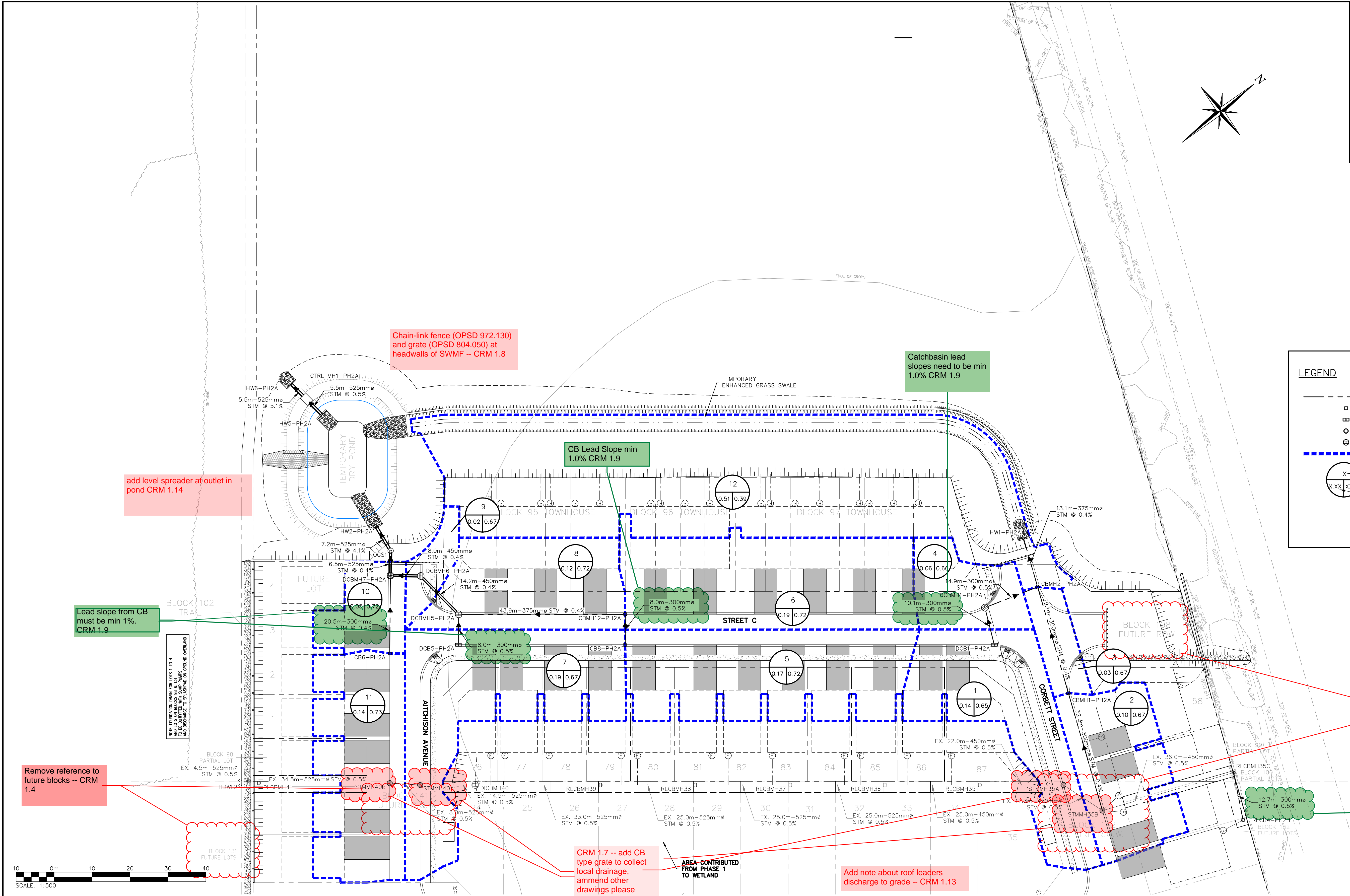
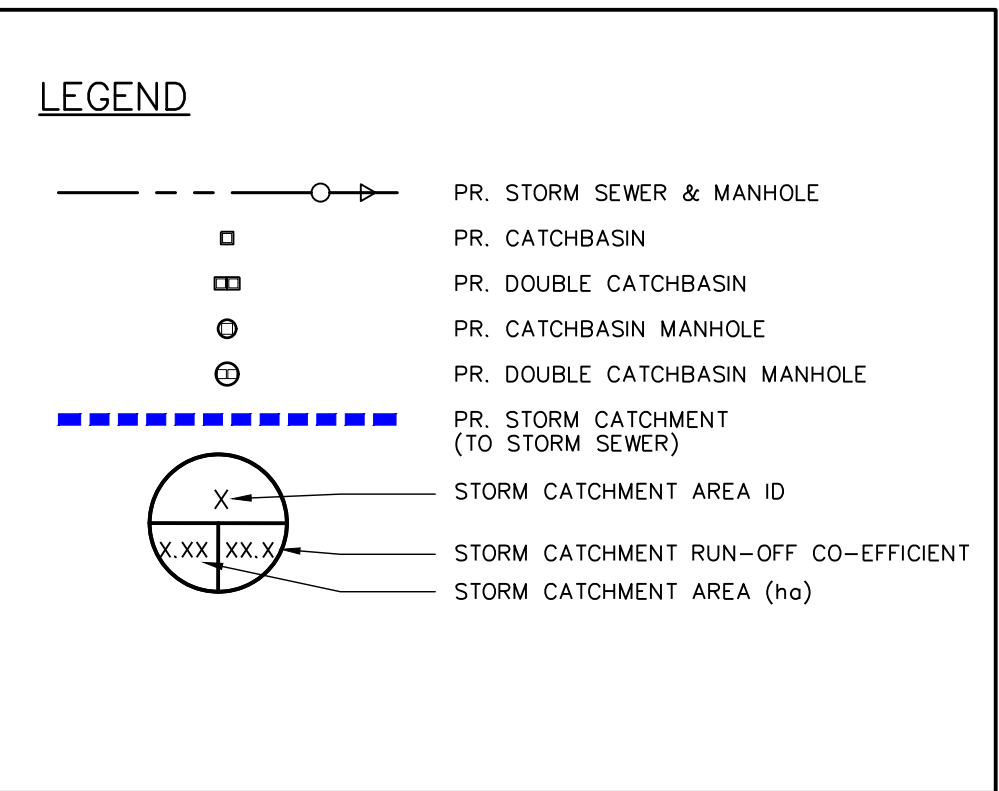
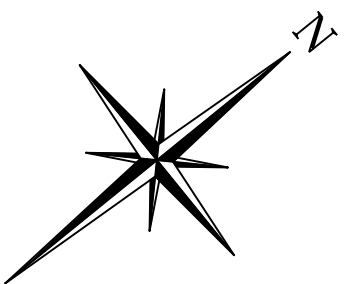
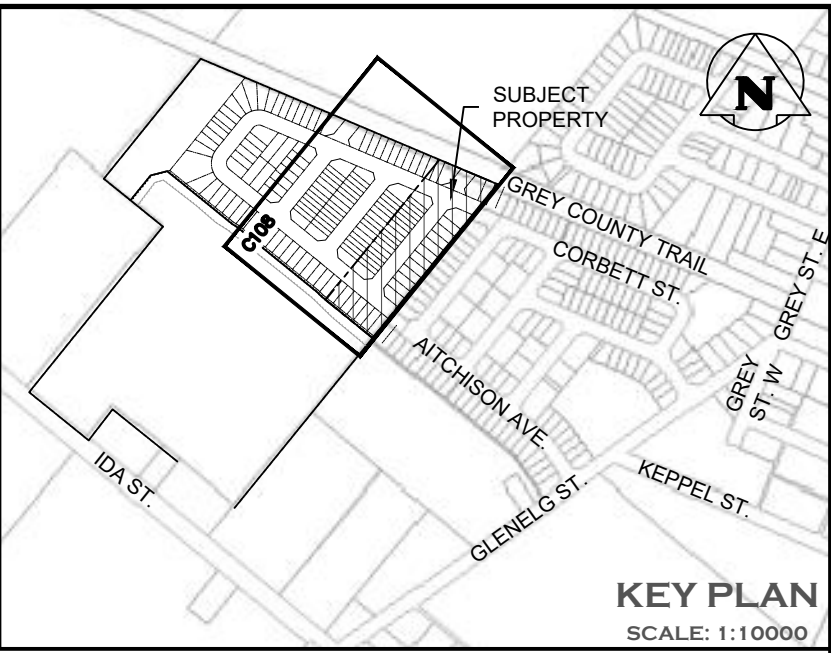
Engineer

Project	GLENELG RESIDENTIAL DEVELOPMENT PHASE 2A TOWNSHIP OF SOUTHGATE	
Drawing	DRY POND OUTLET CONTROL STRUCTURE CROSS-SECTIONS & DETAILS	

Drawn By	V.P.	Design By
Check By	A.W./N.O.C.	Check By
Project		1060-5545
Drawing		C106D



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GEODETIC BENCHMARKS
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT No. 00820048005 HAVING A PUBLISHED ELEVATION OF 525.577 METRES

Town

No.	ISSUE	DATE: MM/DD/YYYY
1	ISSUED FOR 1st SUBMISSION	01/24/2025

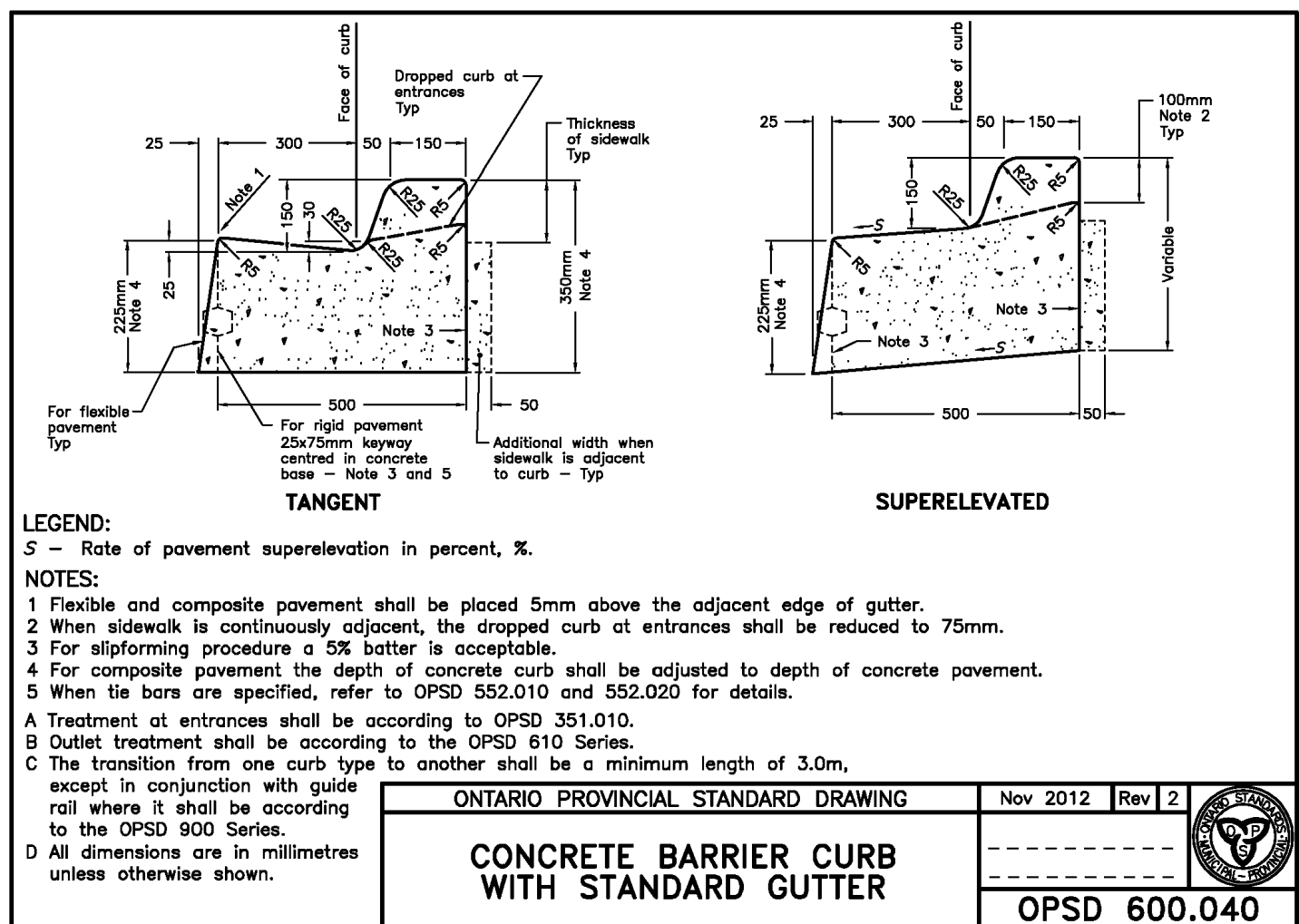
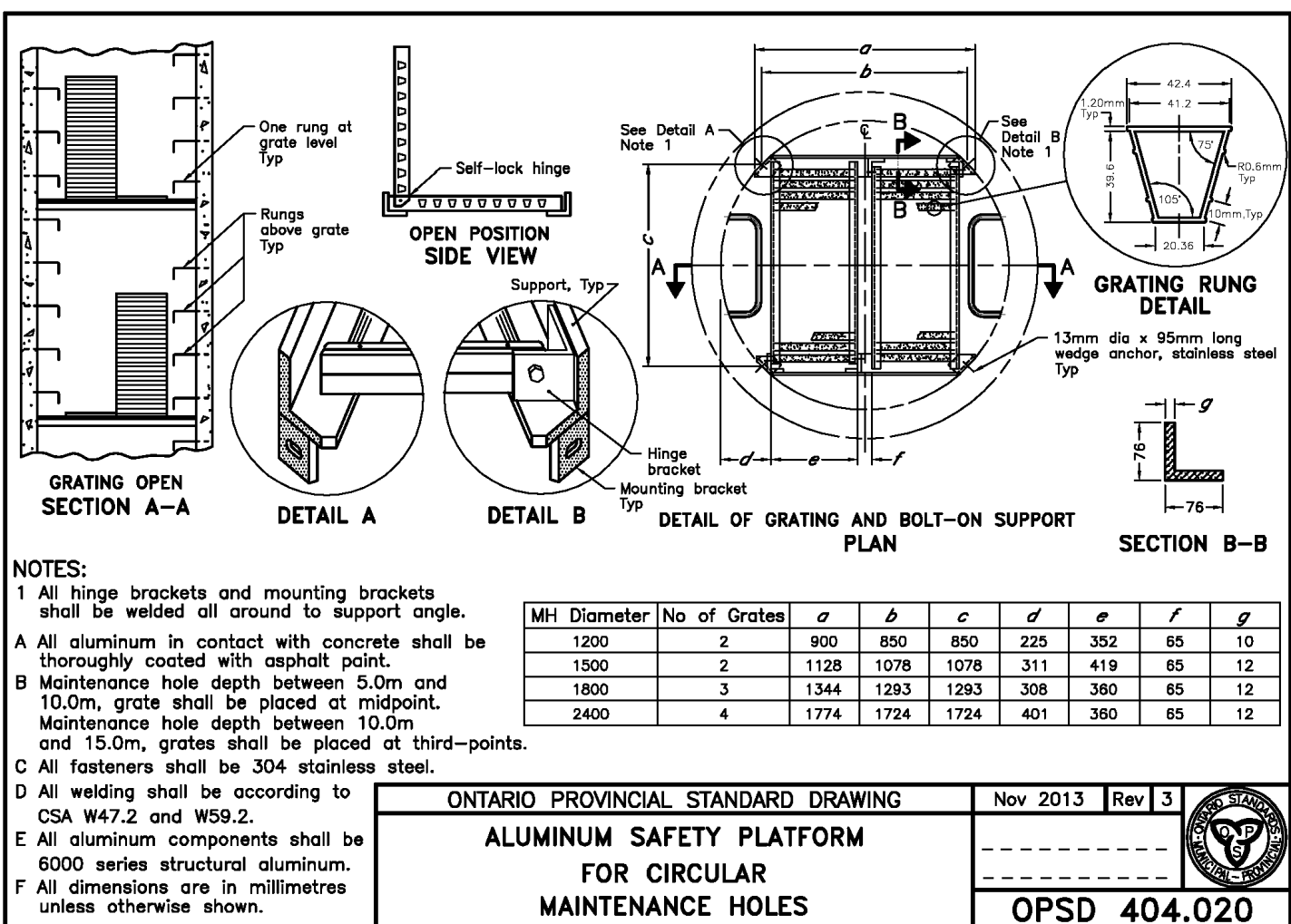
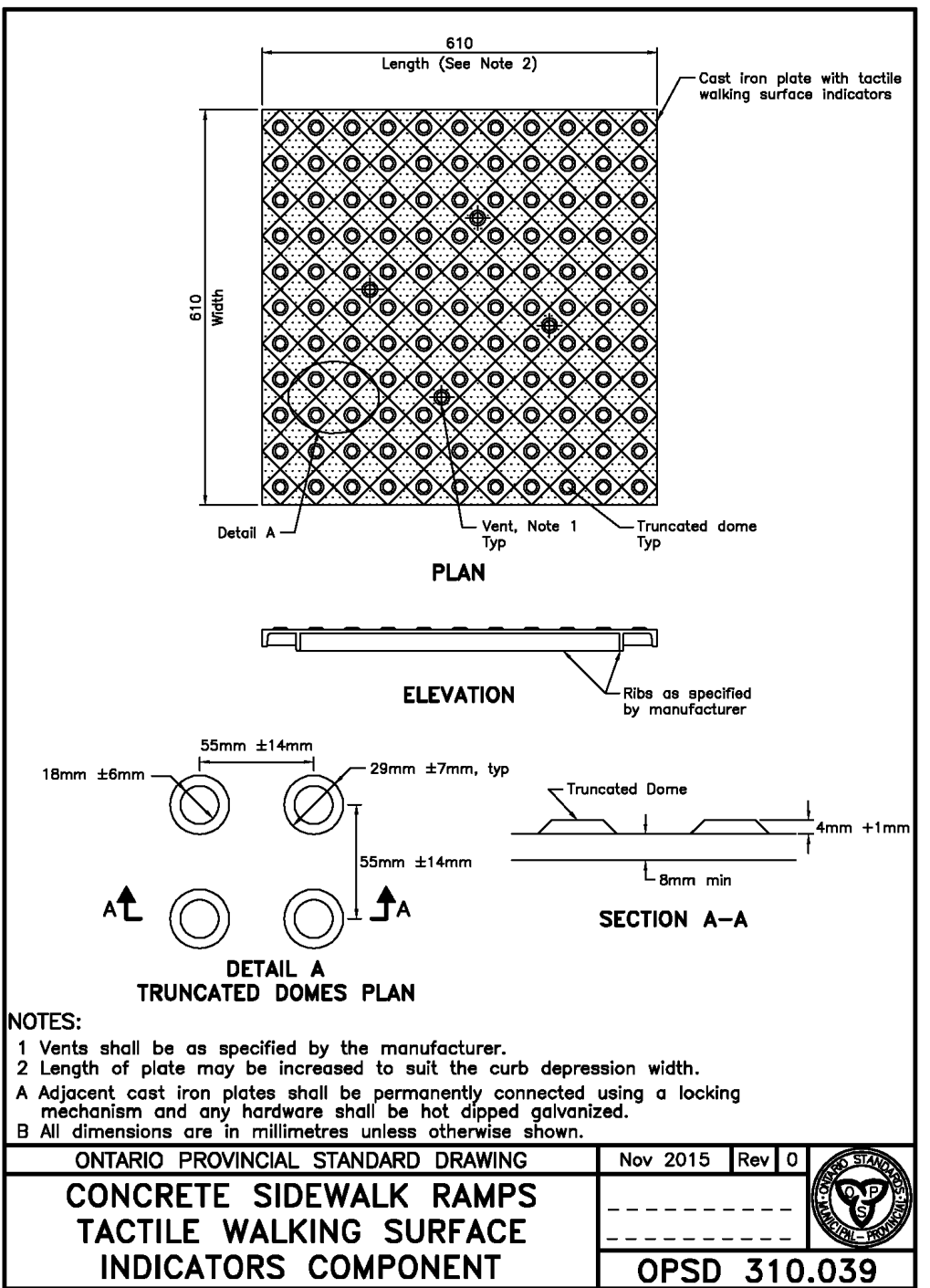
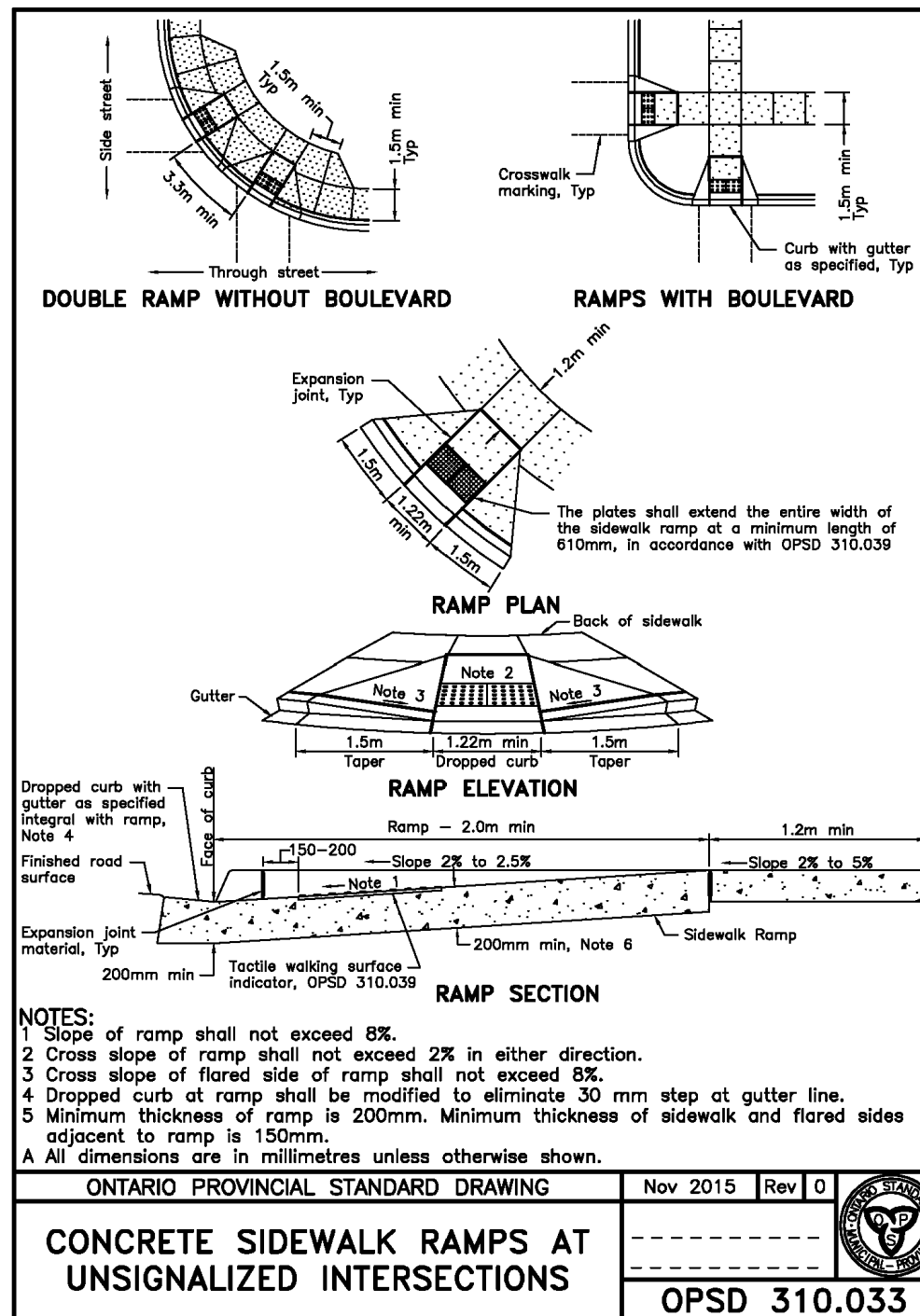
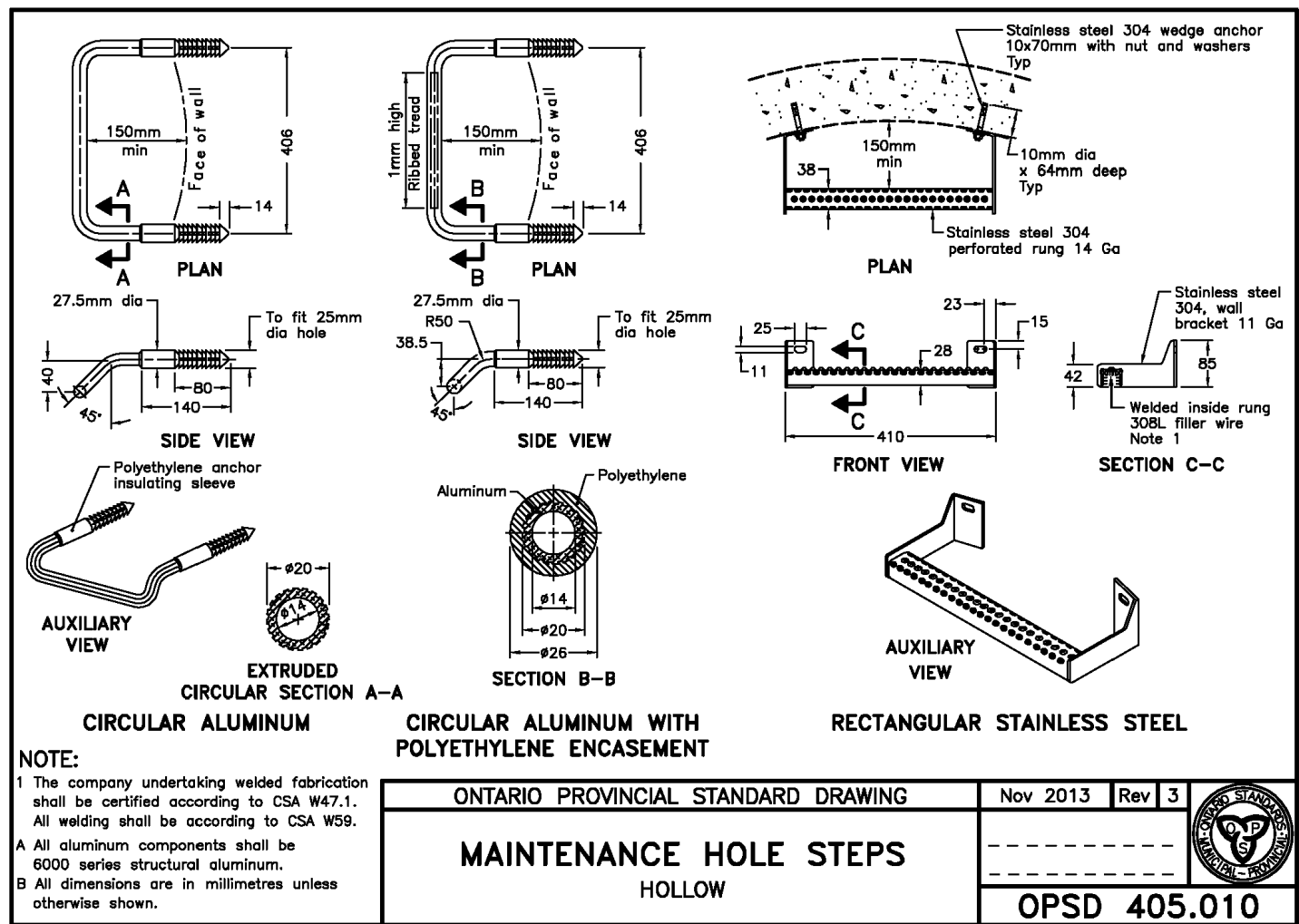
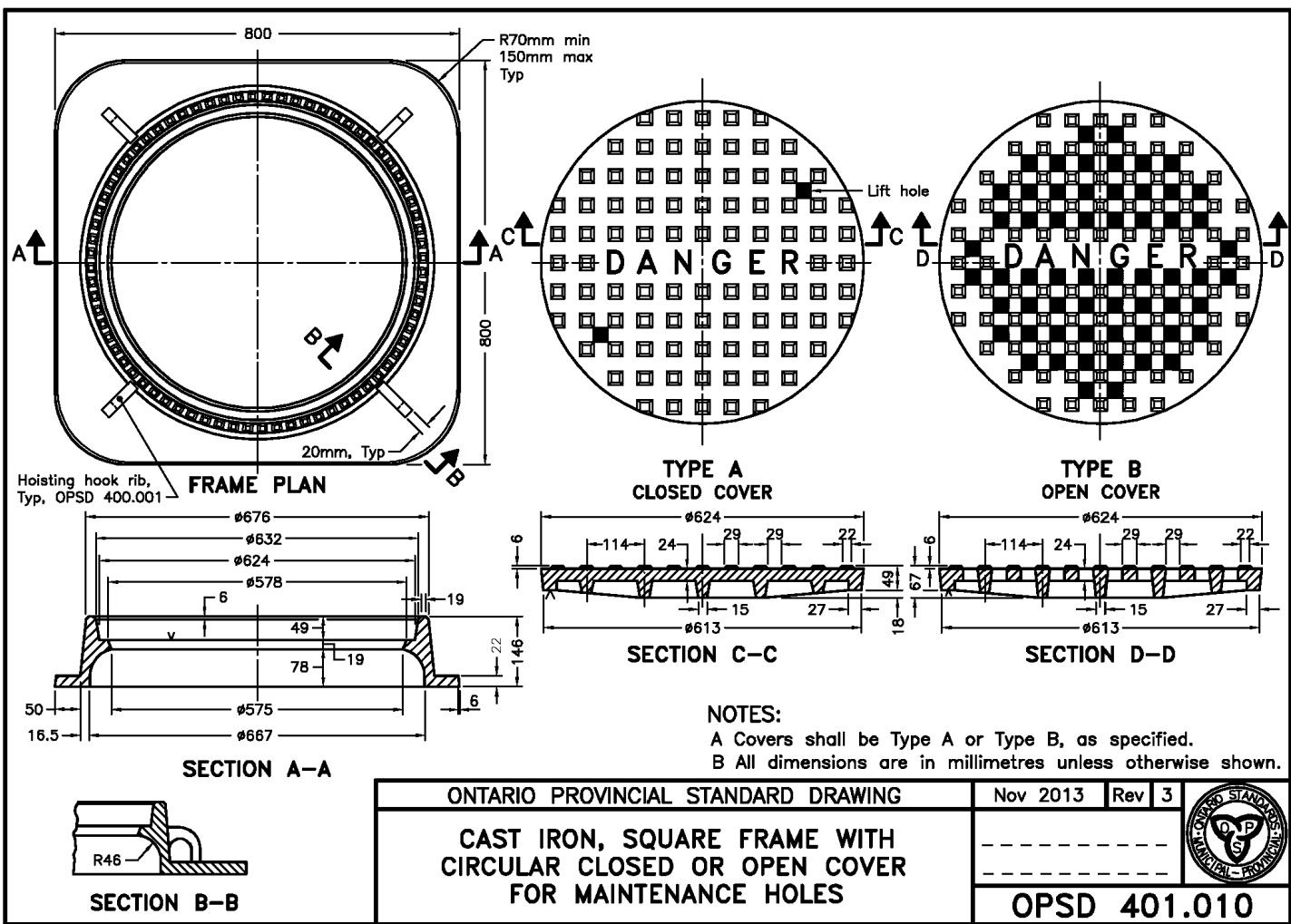
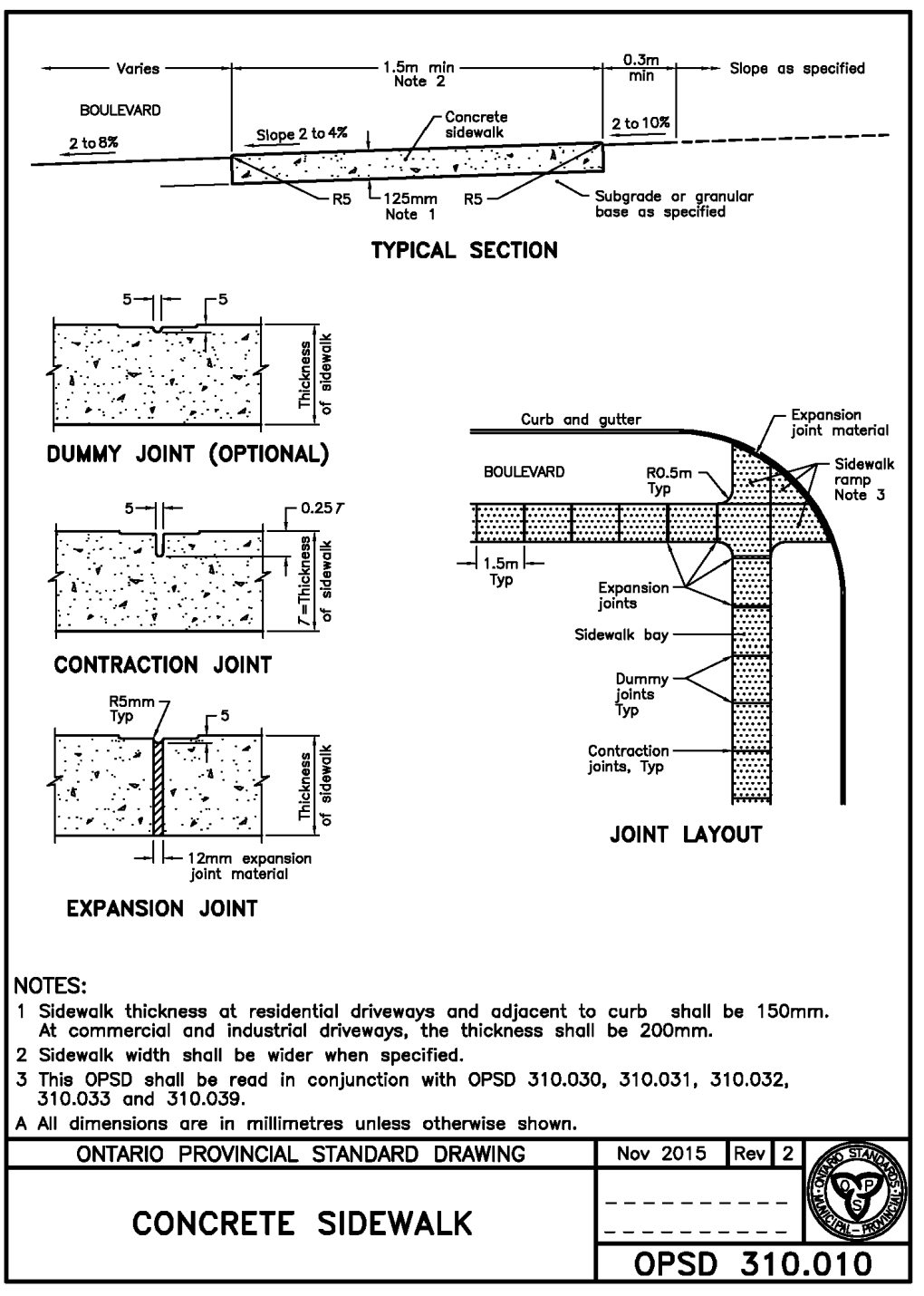
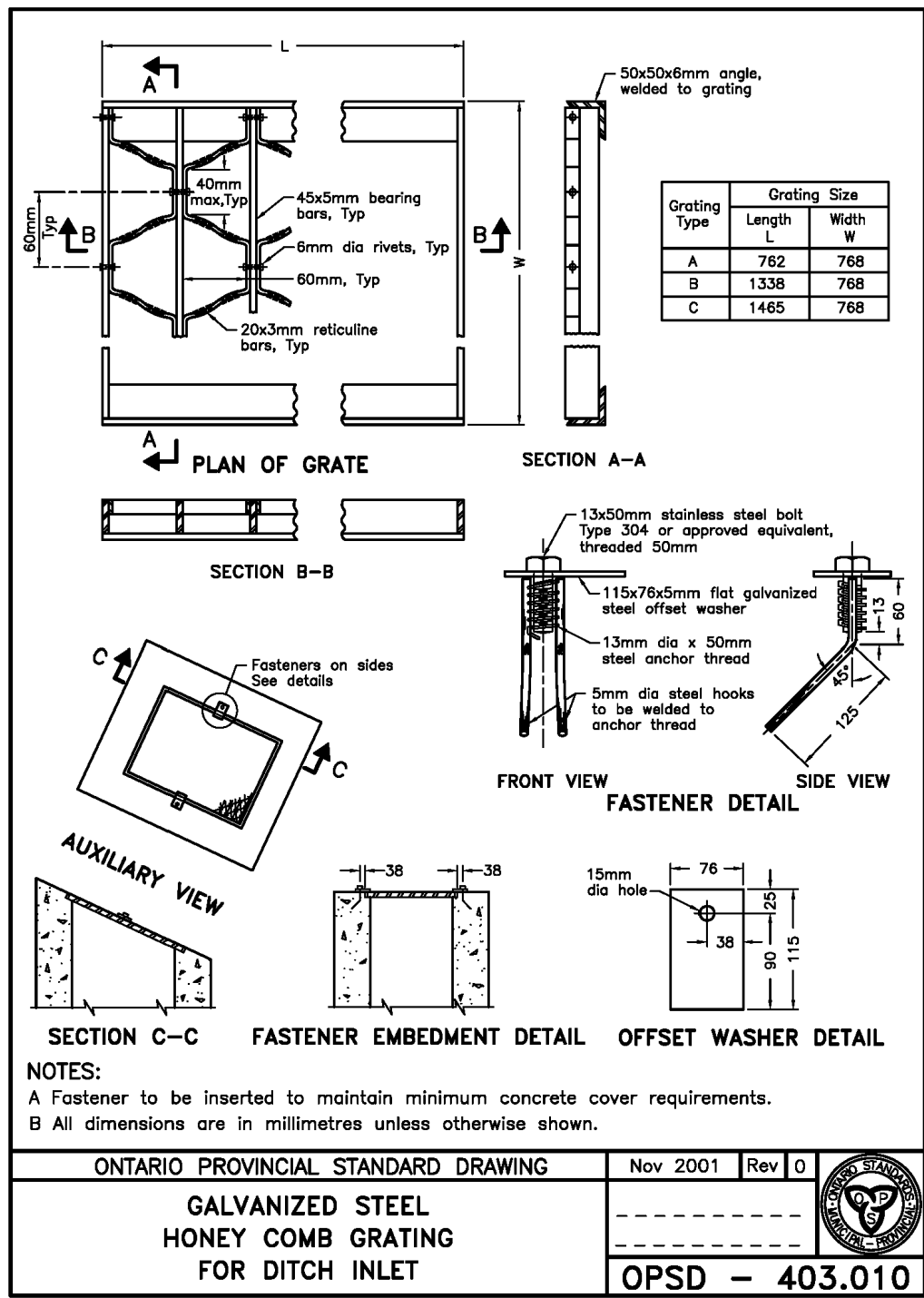
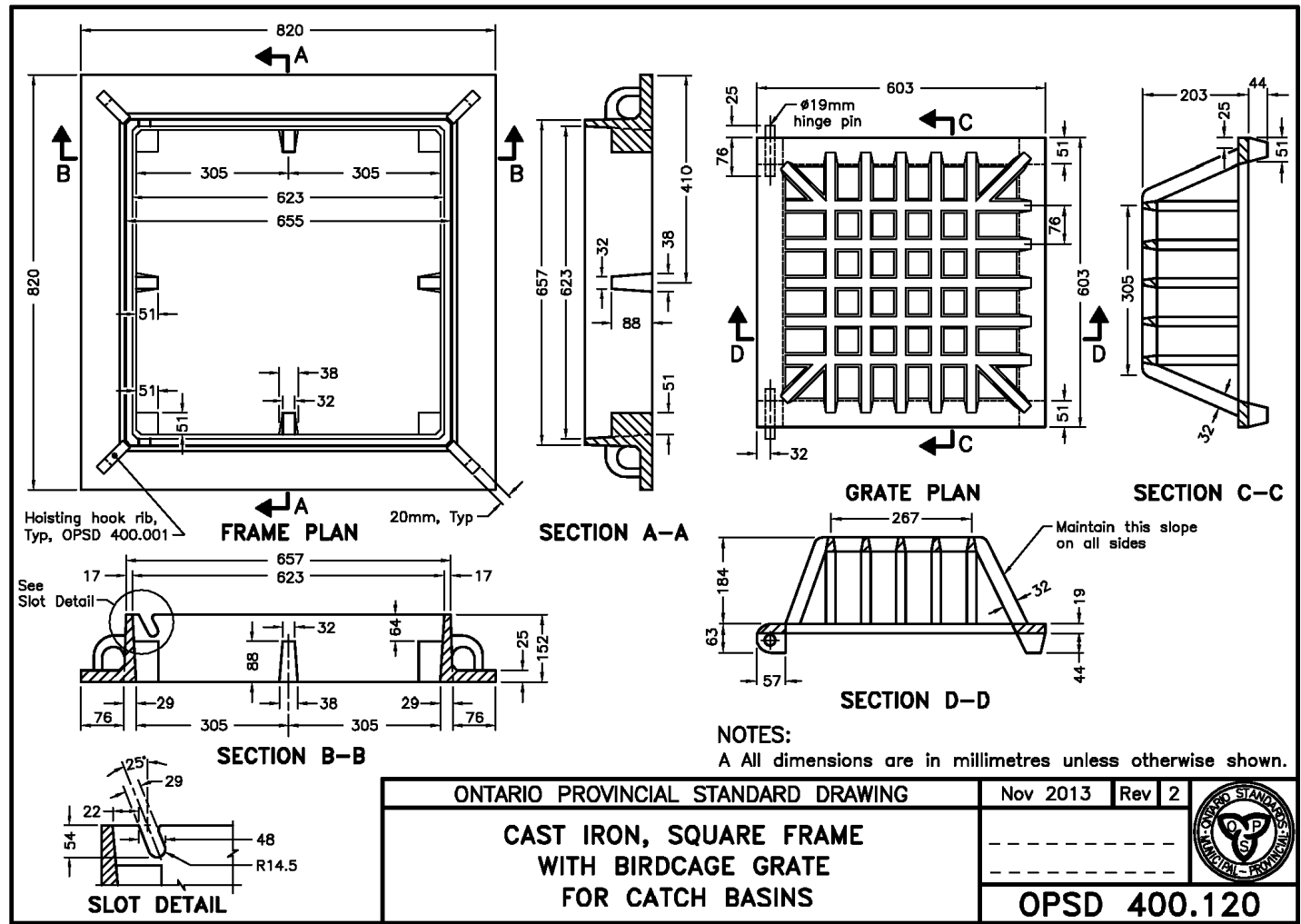
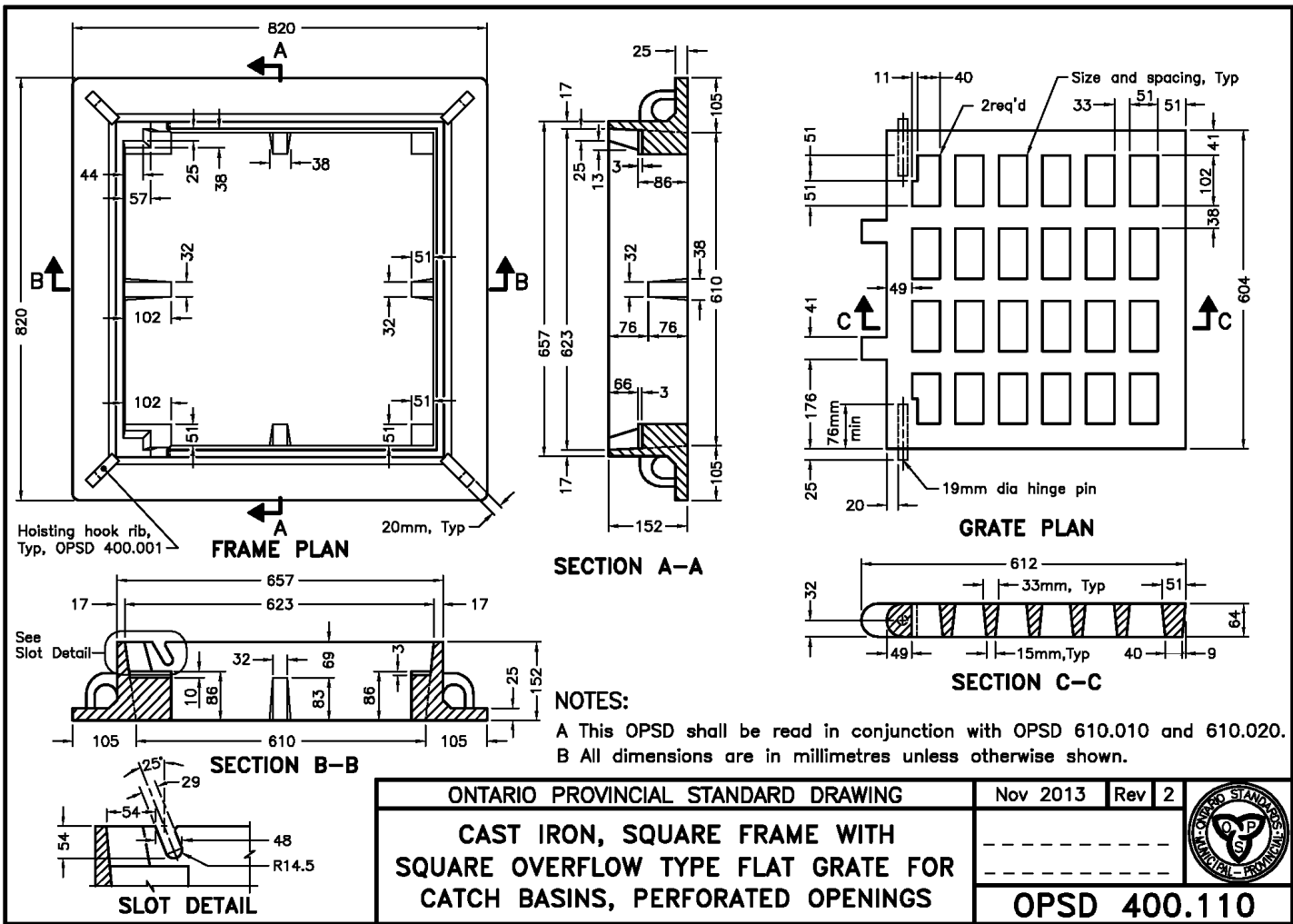
Engineer

Project
**GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE**

Drawing
STORM DRAINAGE PLAN

CROZIER CONSULTING ENGINEERS

Drawn By	V.P.	Design By	V.P./A.W./N.O.C.	Project	1060-5545
Check By	A.W./N.O.C.	Check By	A.W./N.O.C.	Drawing	C108



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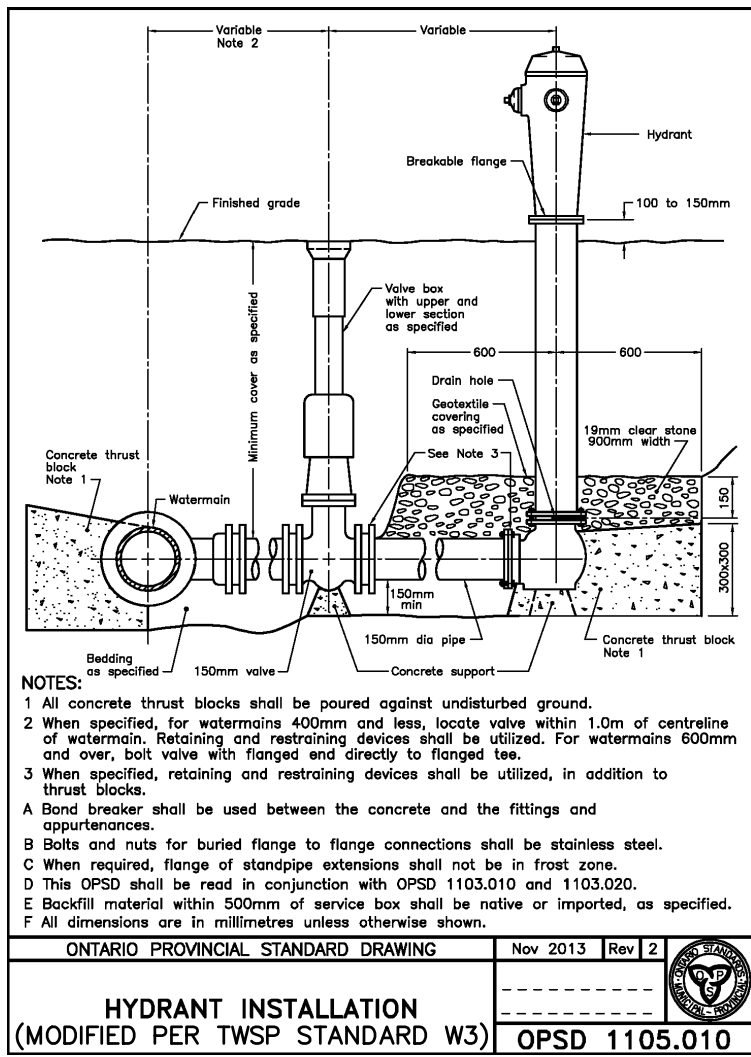
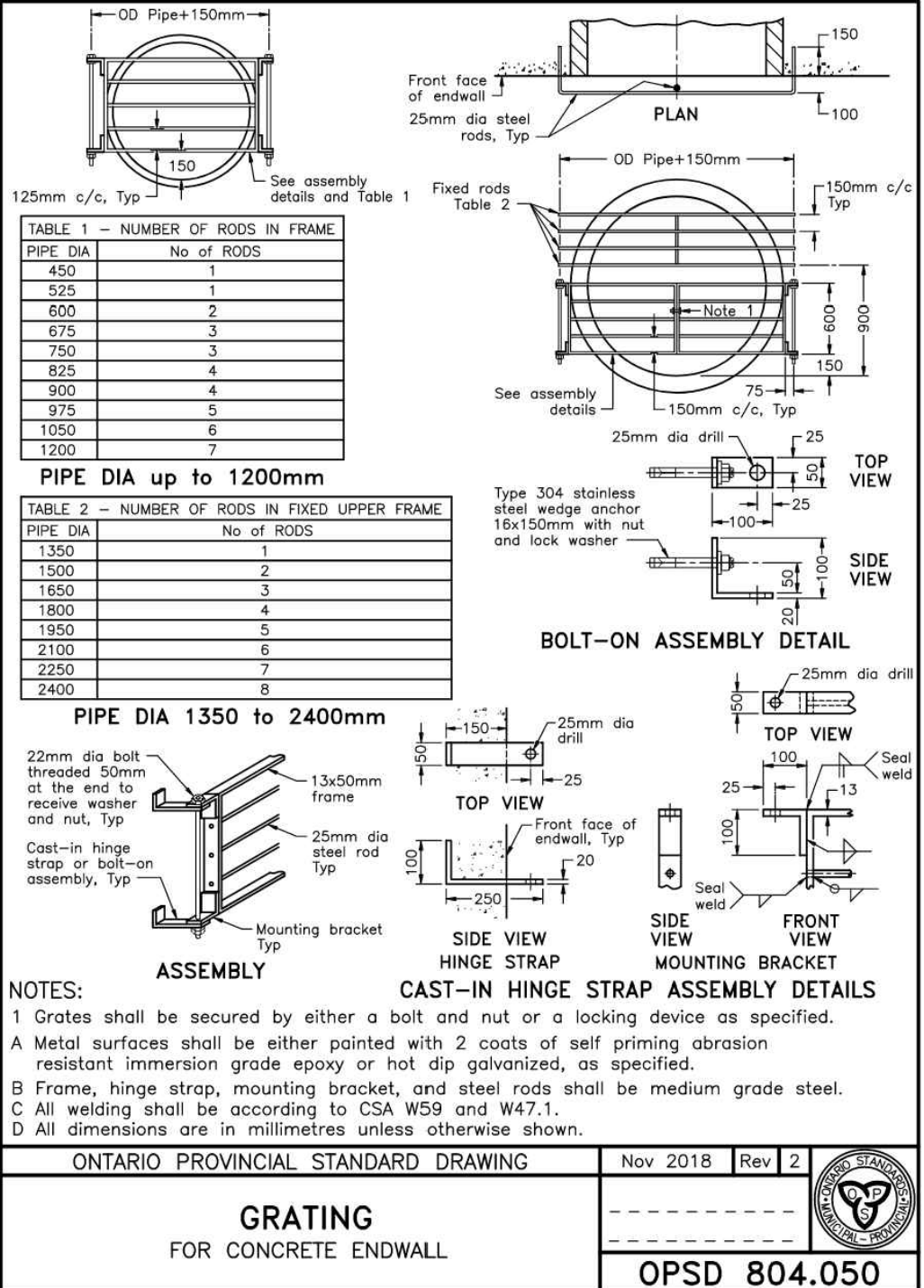
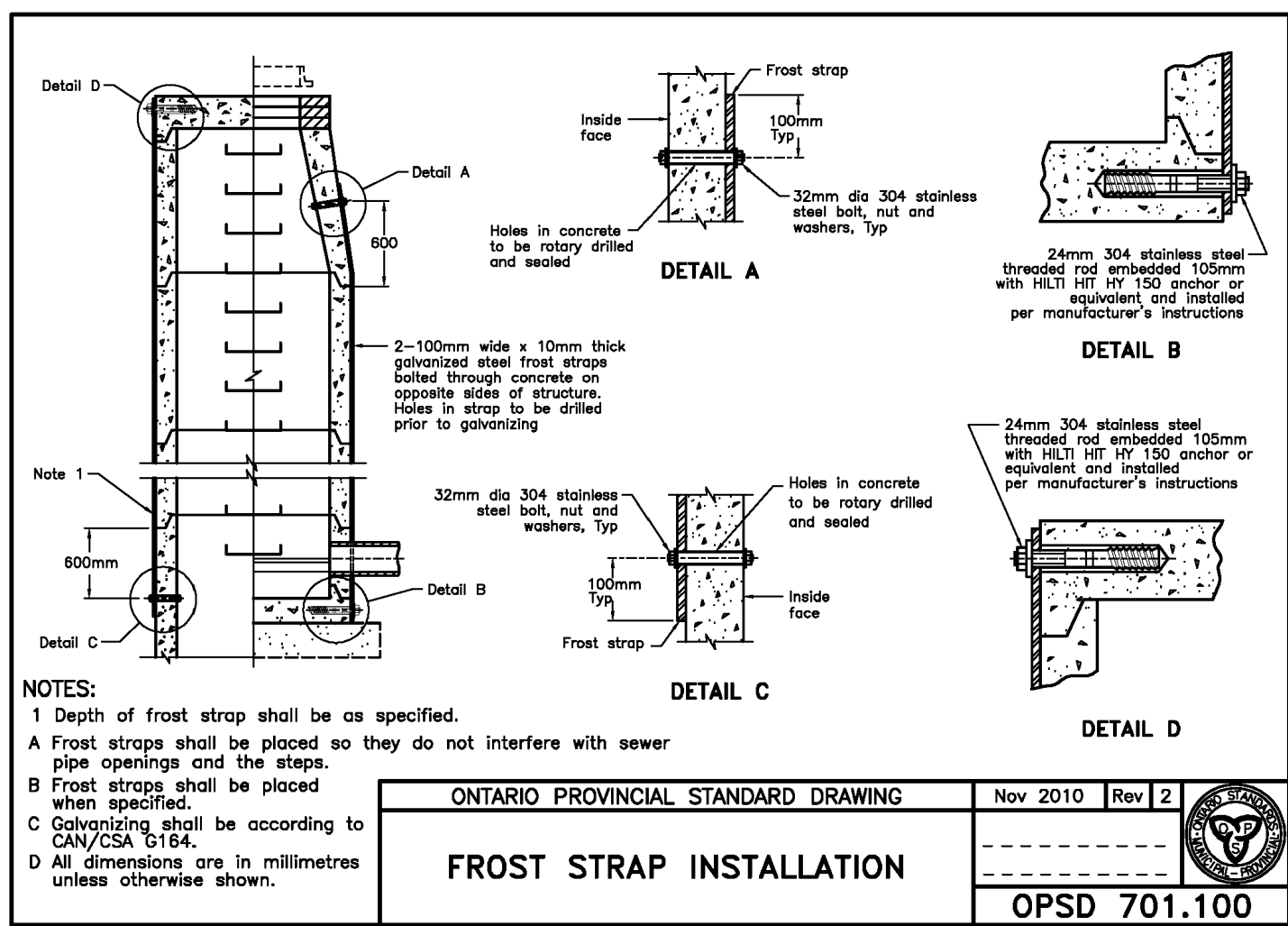
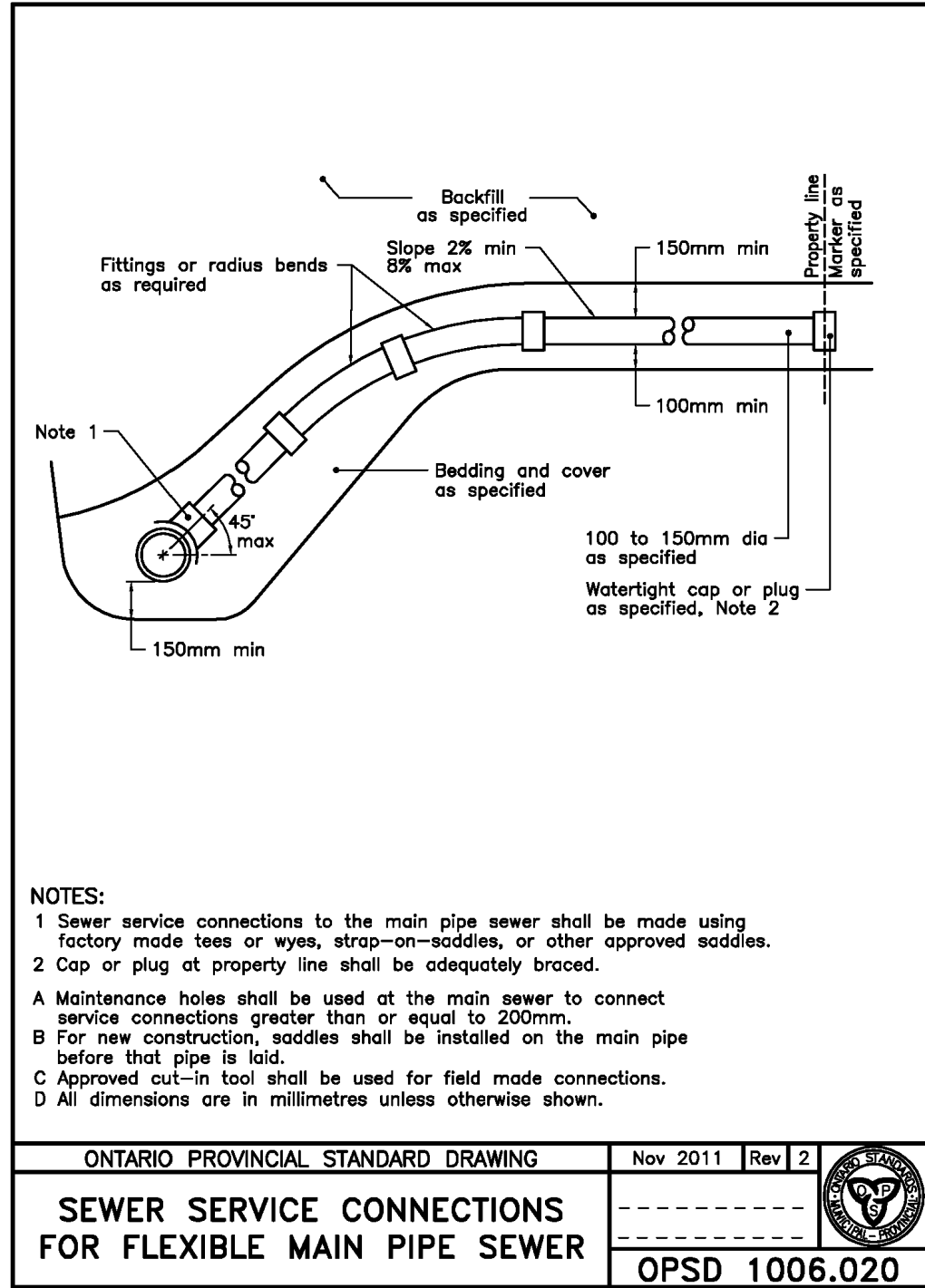
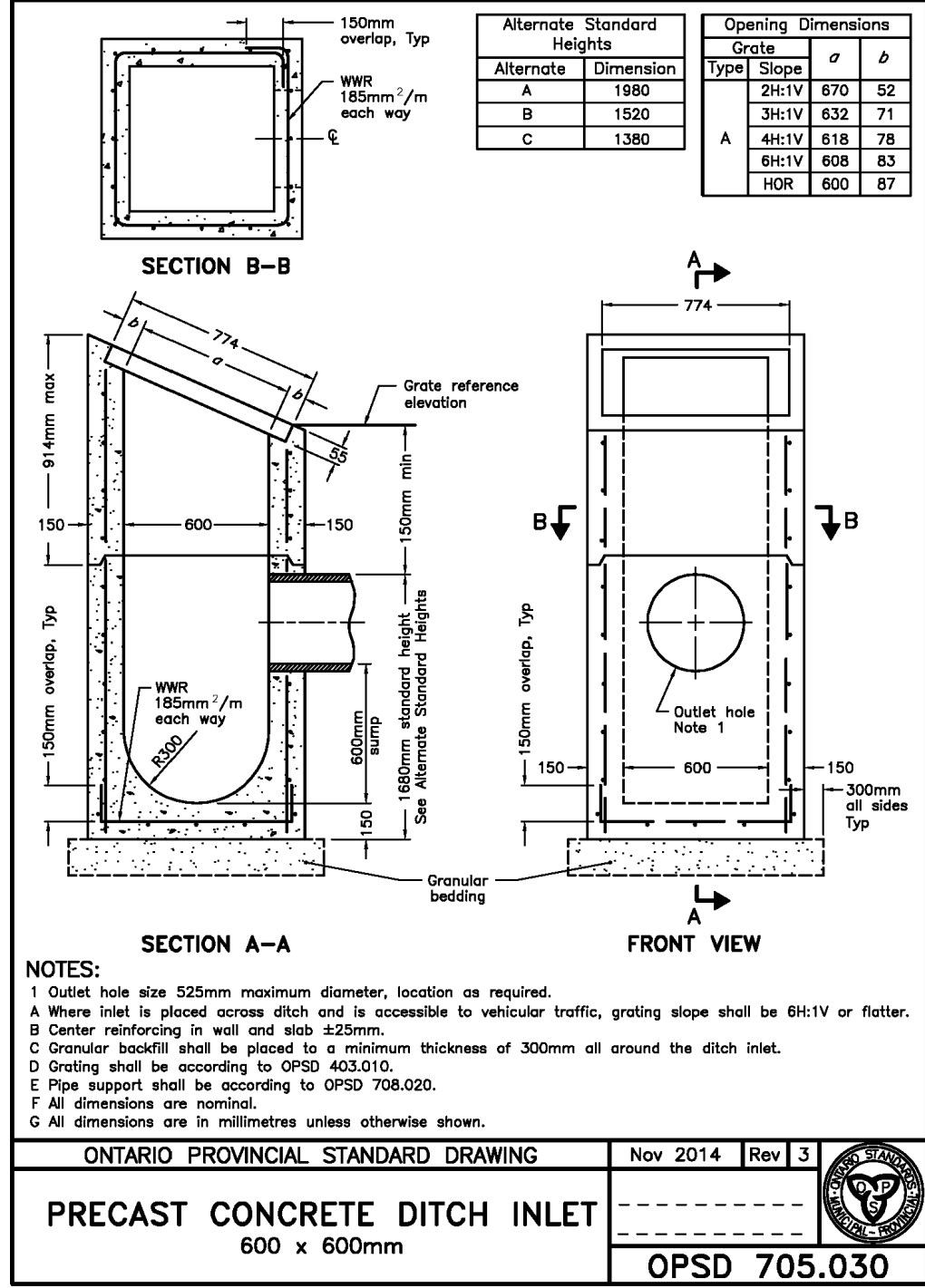
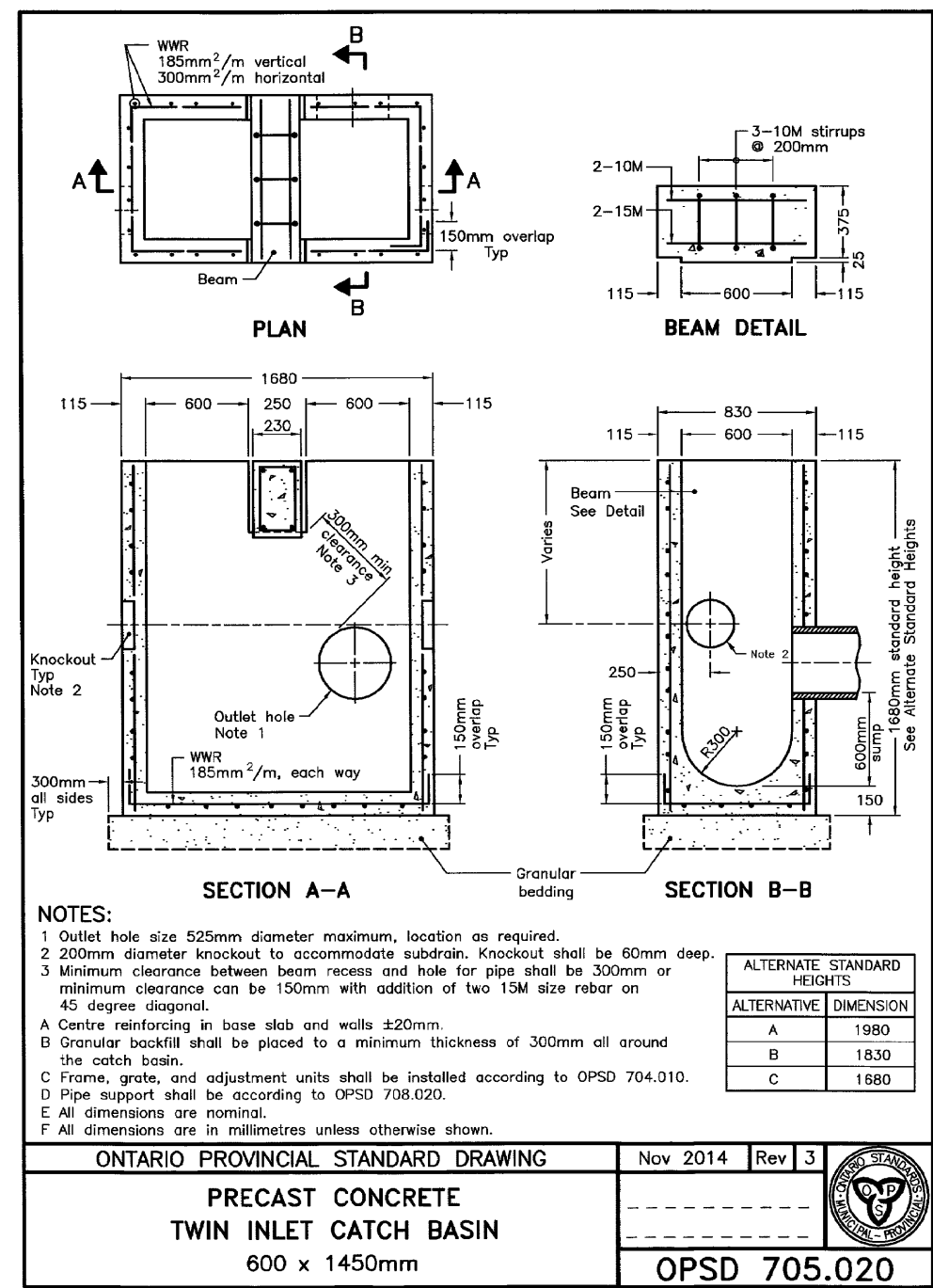
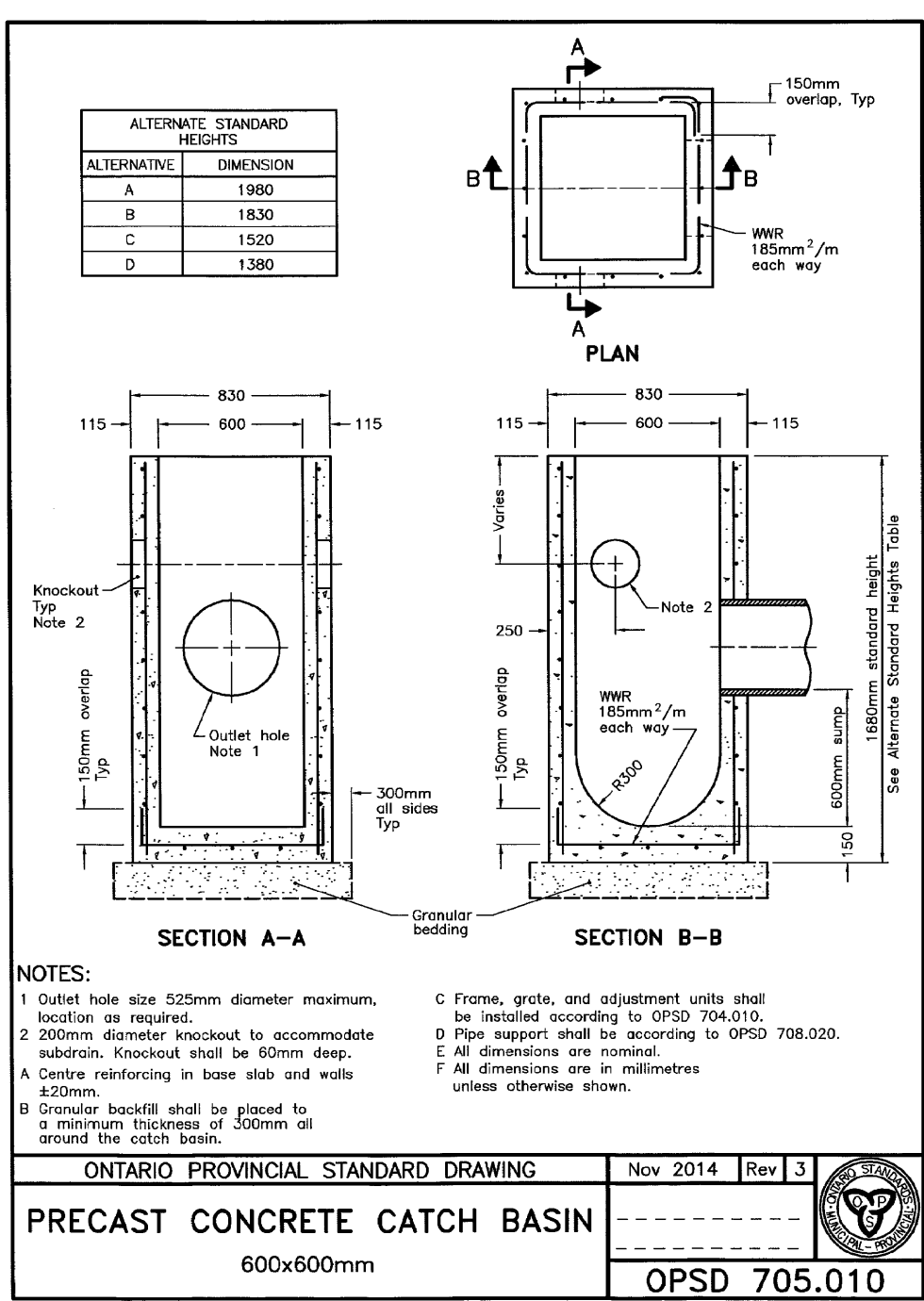
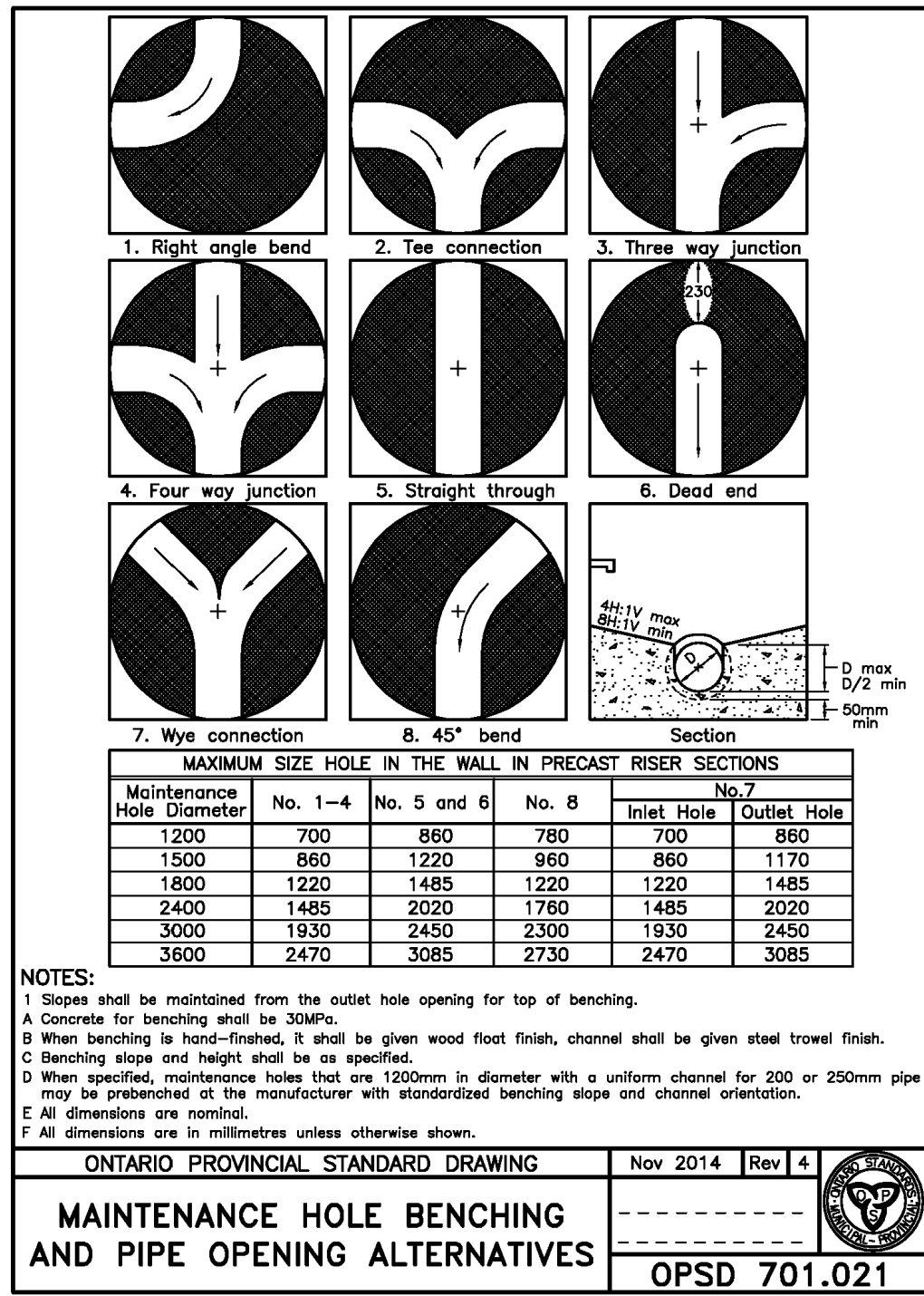
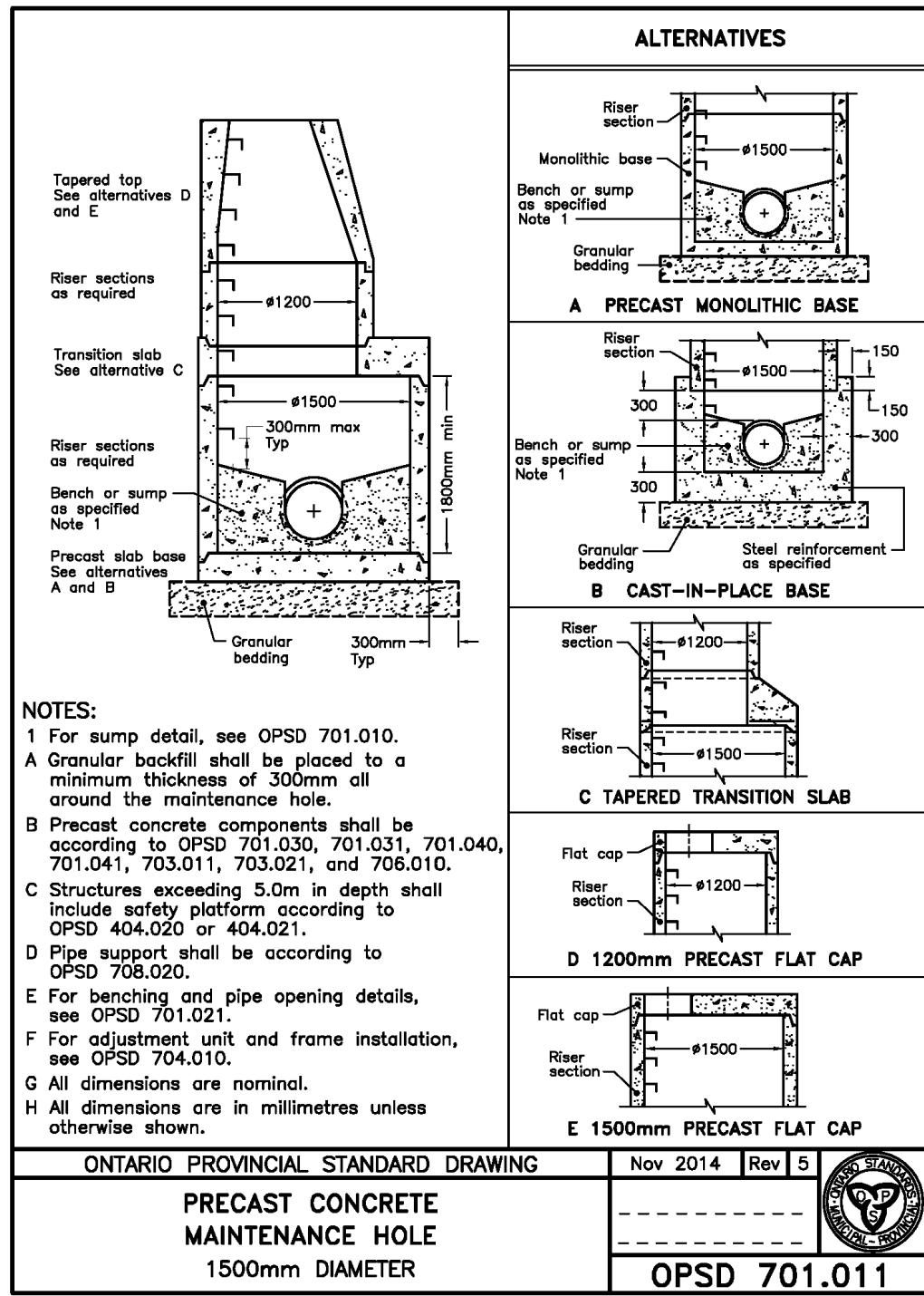
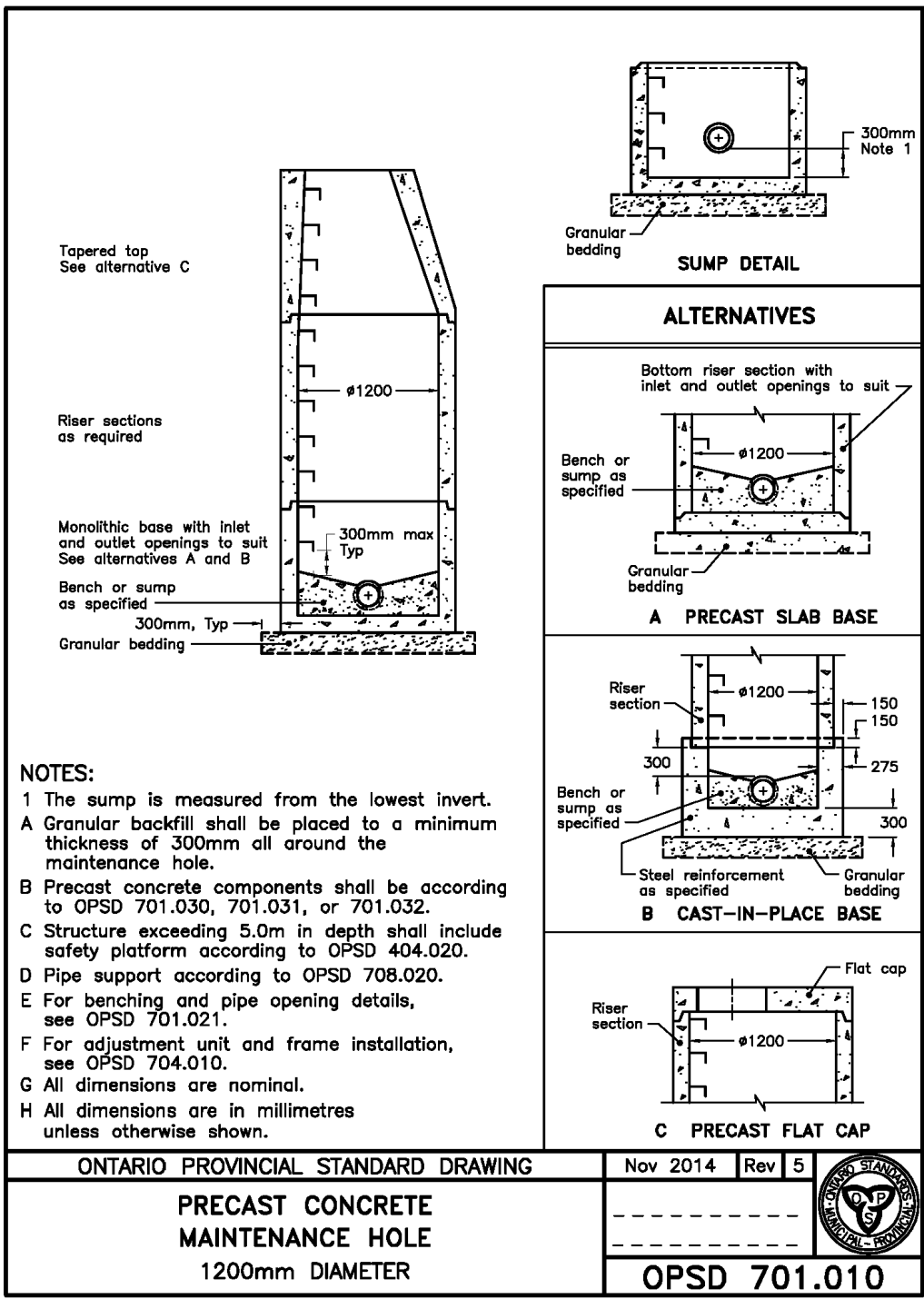
No.	ISSUE	DATE: MM/DD/YYYY	Engineer
1	ISSUED FOR 1st SUBMISSION	01/24/2025	

Project: GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

Drawing: CONSTRUCTION NOTES & DETAILS

Drawn By	V.P.	Design By	V.P./R.W.	Project	1060-5545
Check By	R.W.	Check By	R.W.	Drawing	C110A





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Town

No.	ISSUE	DATE: MM/DD/YYYY	Engineer
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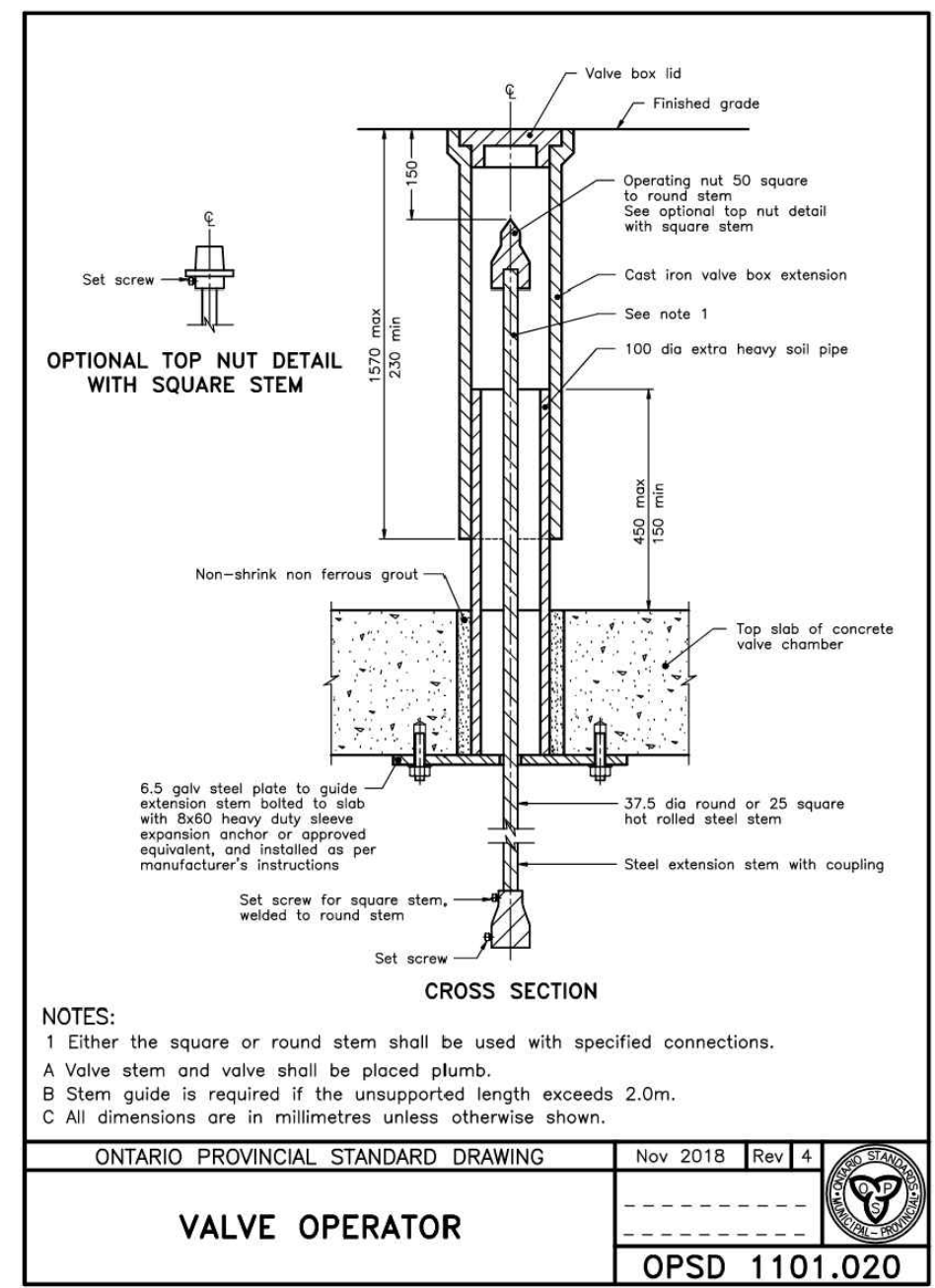
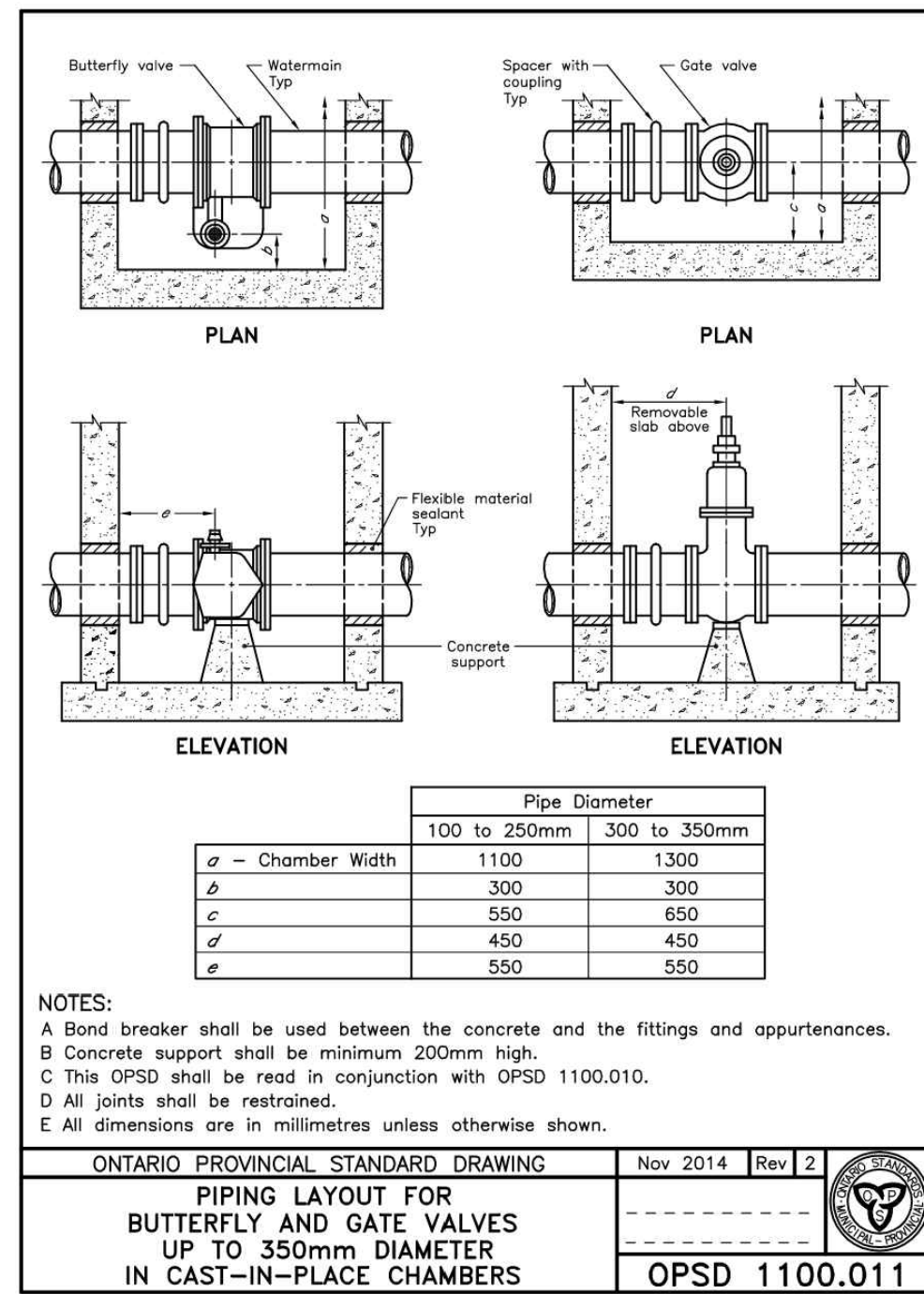
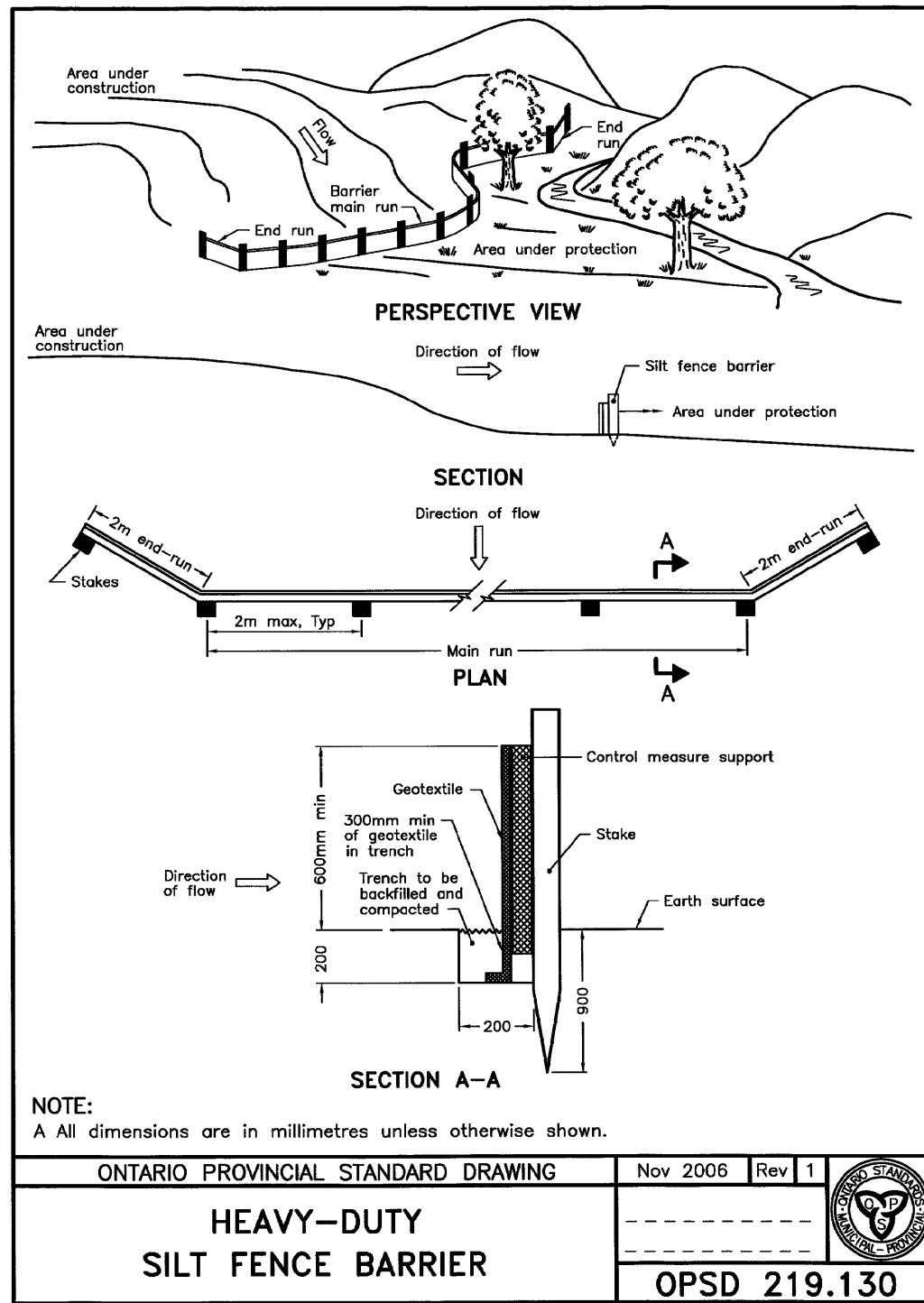
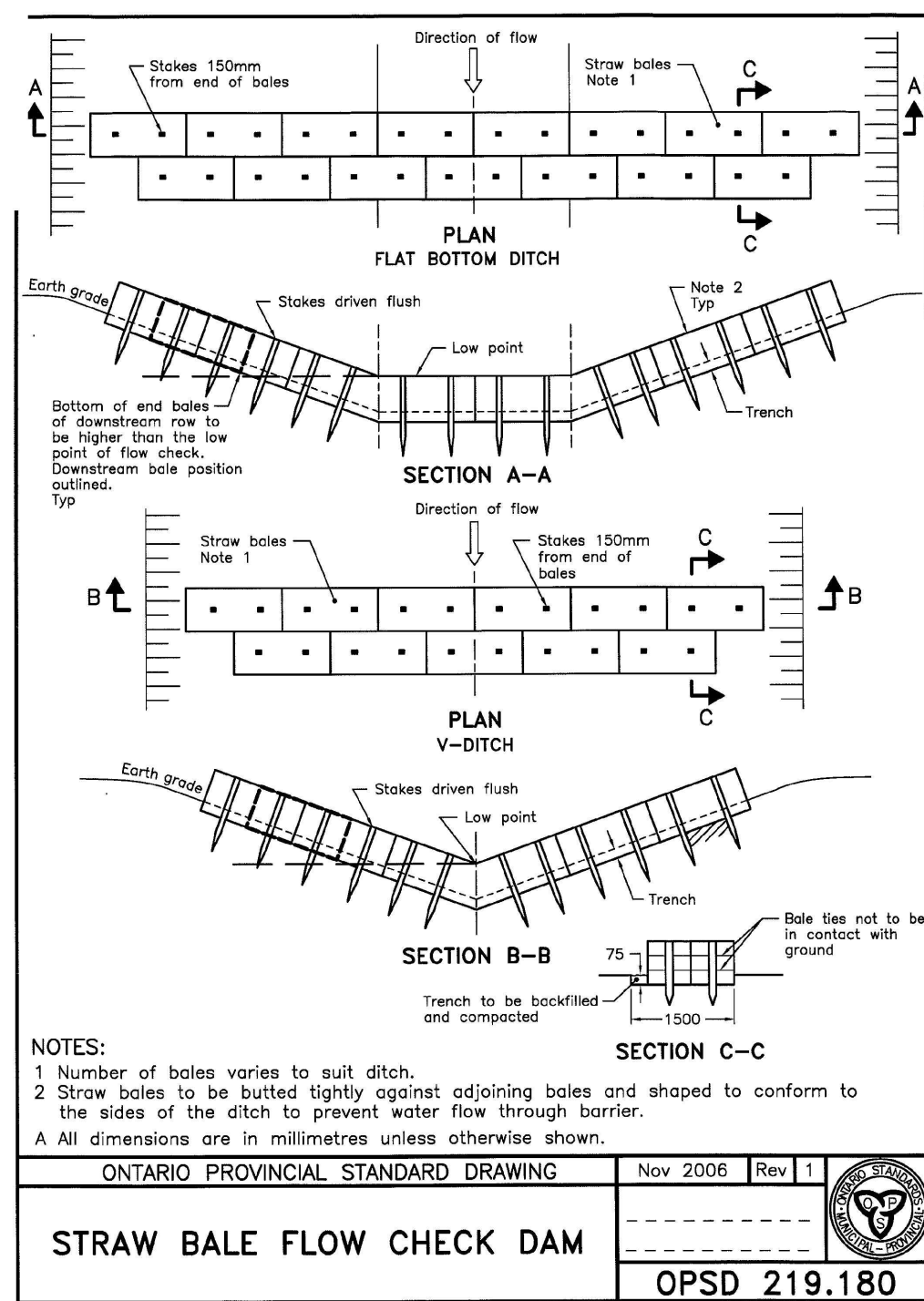
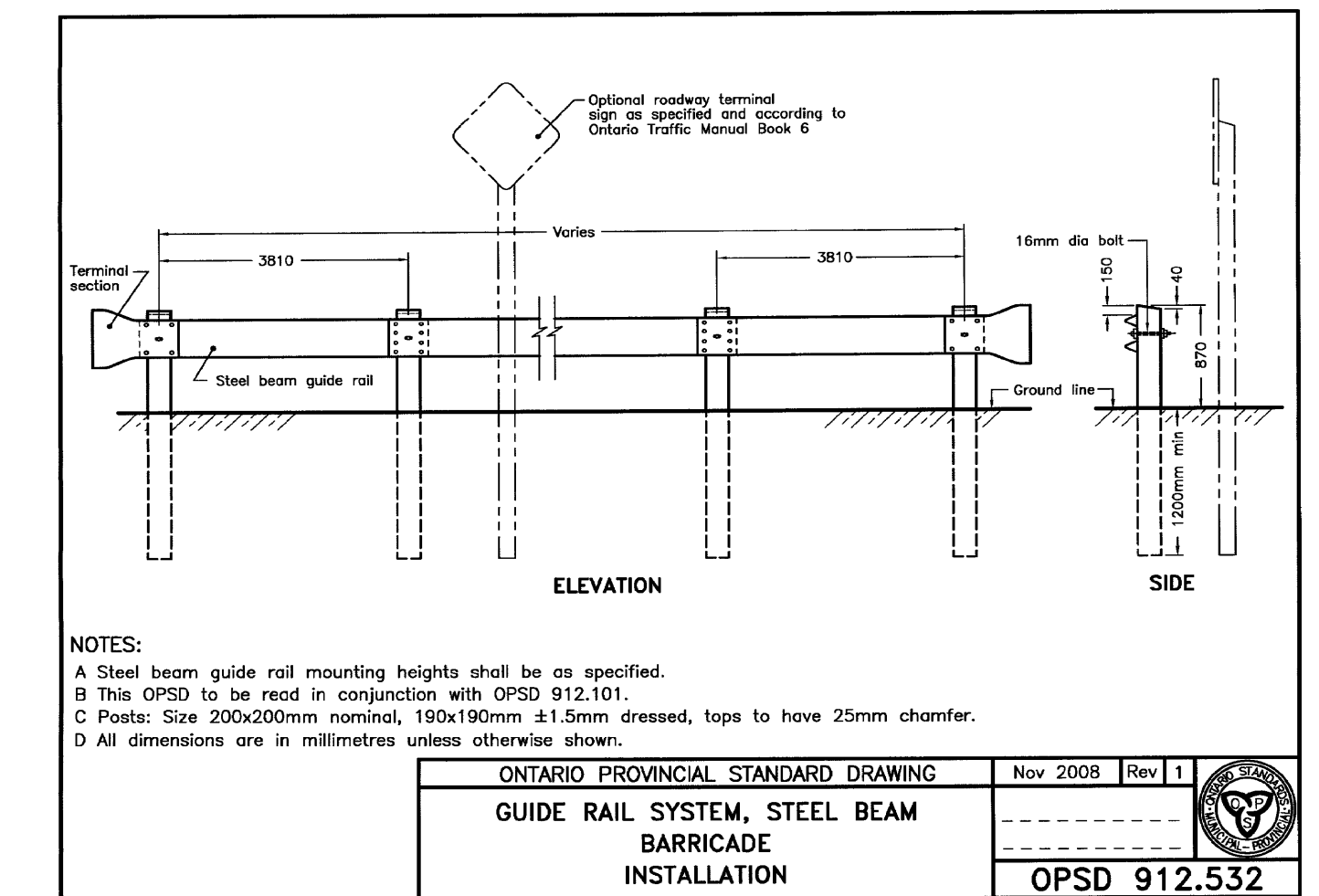
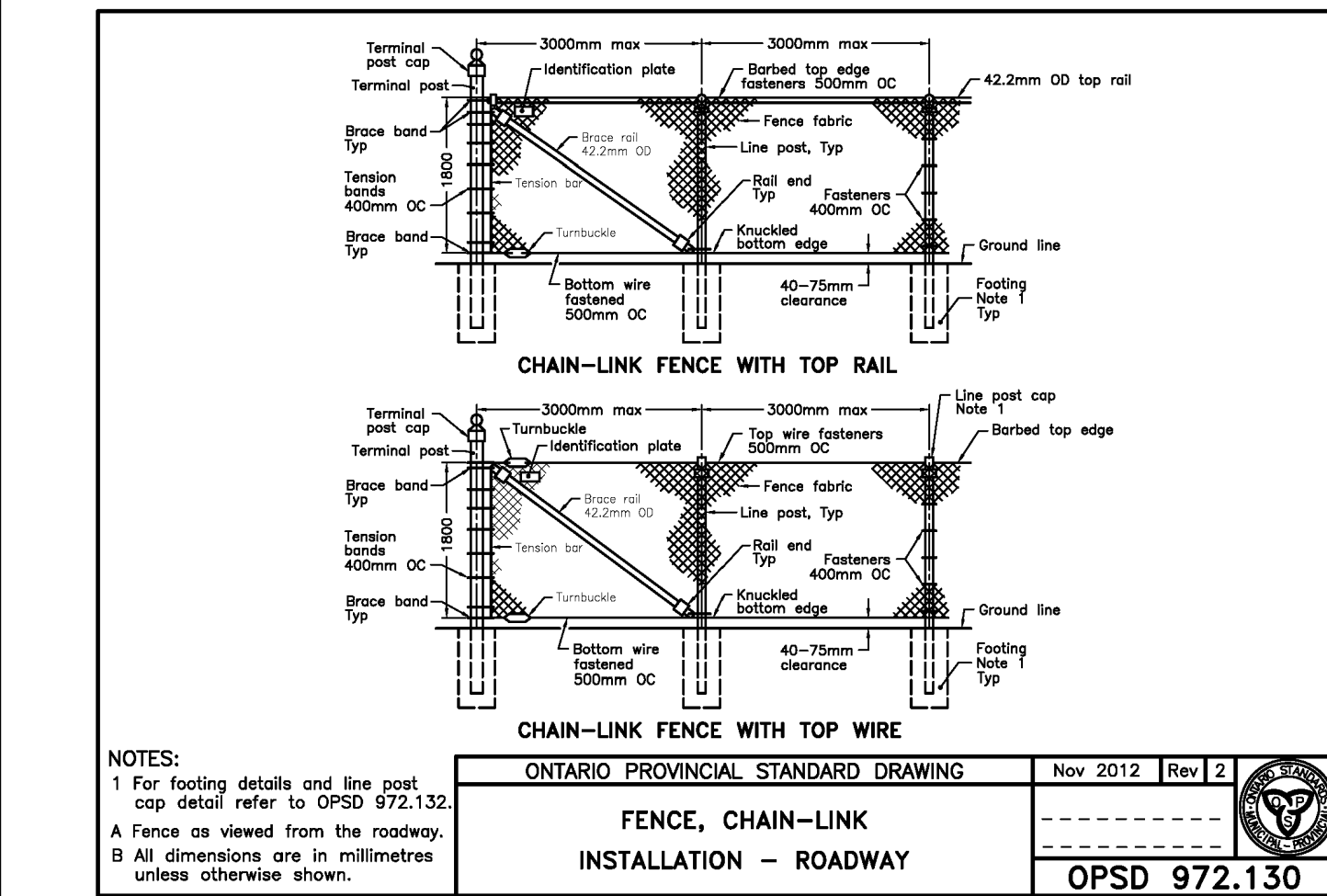
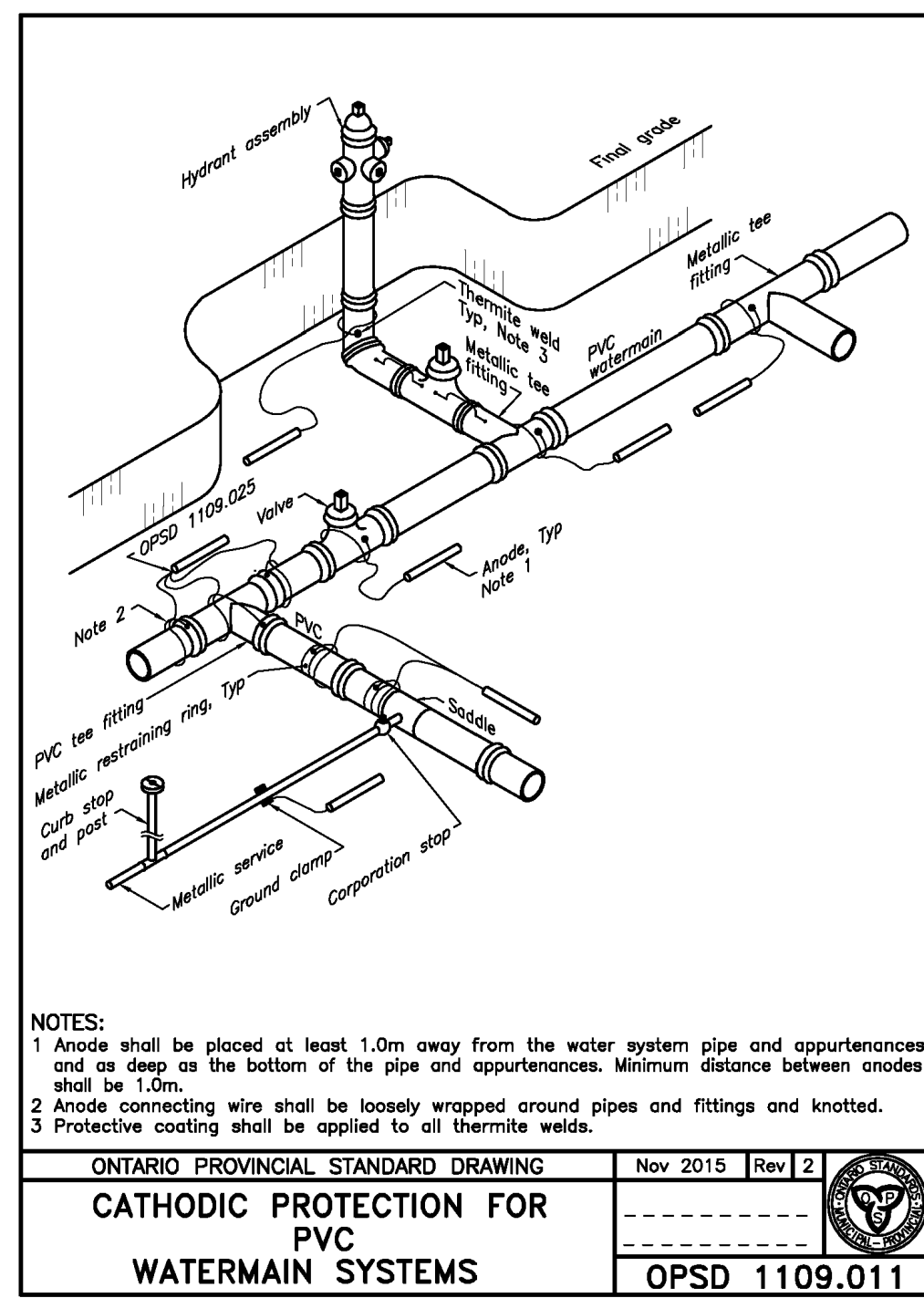
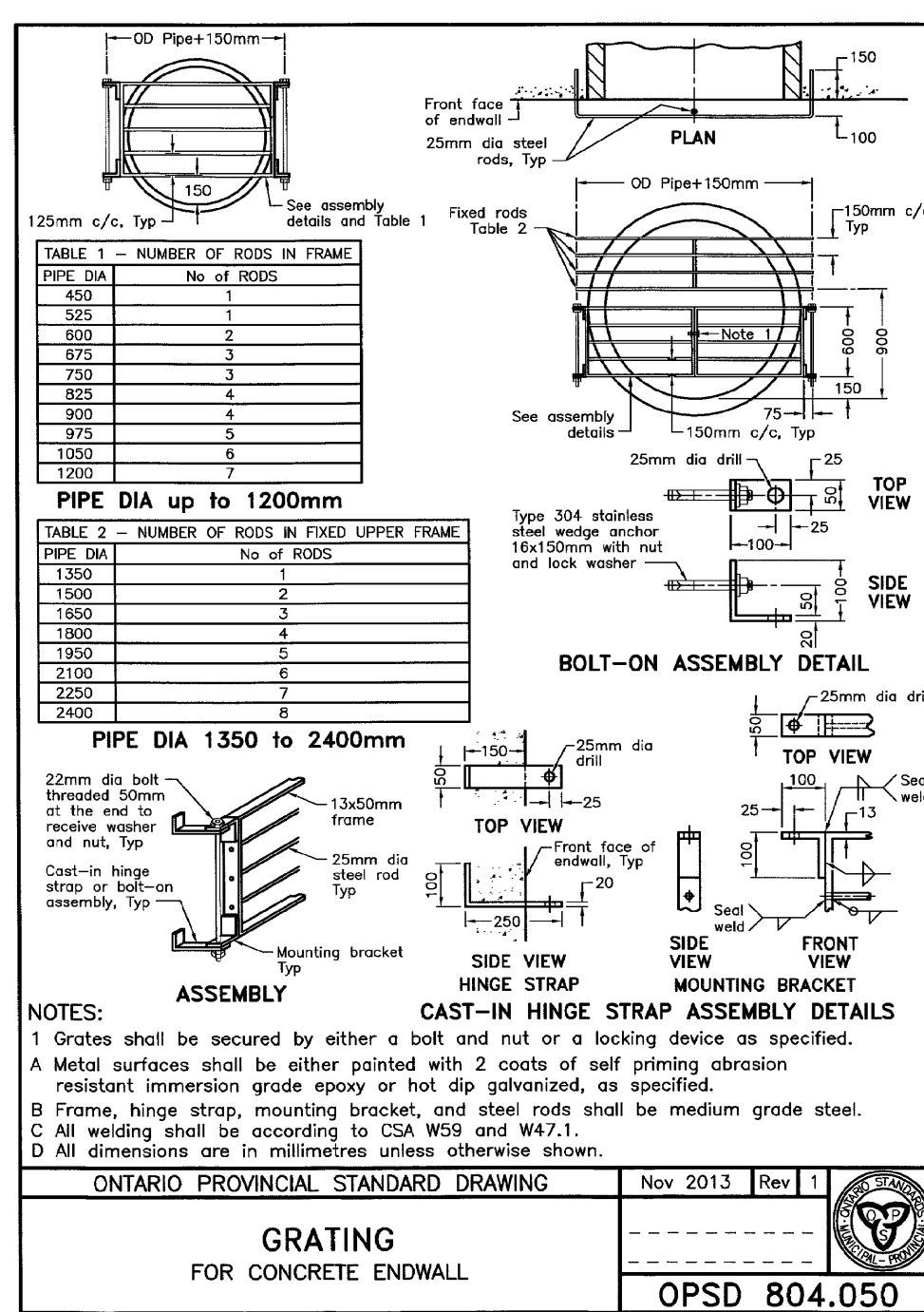
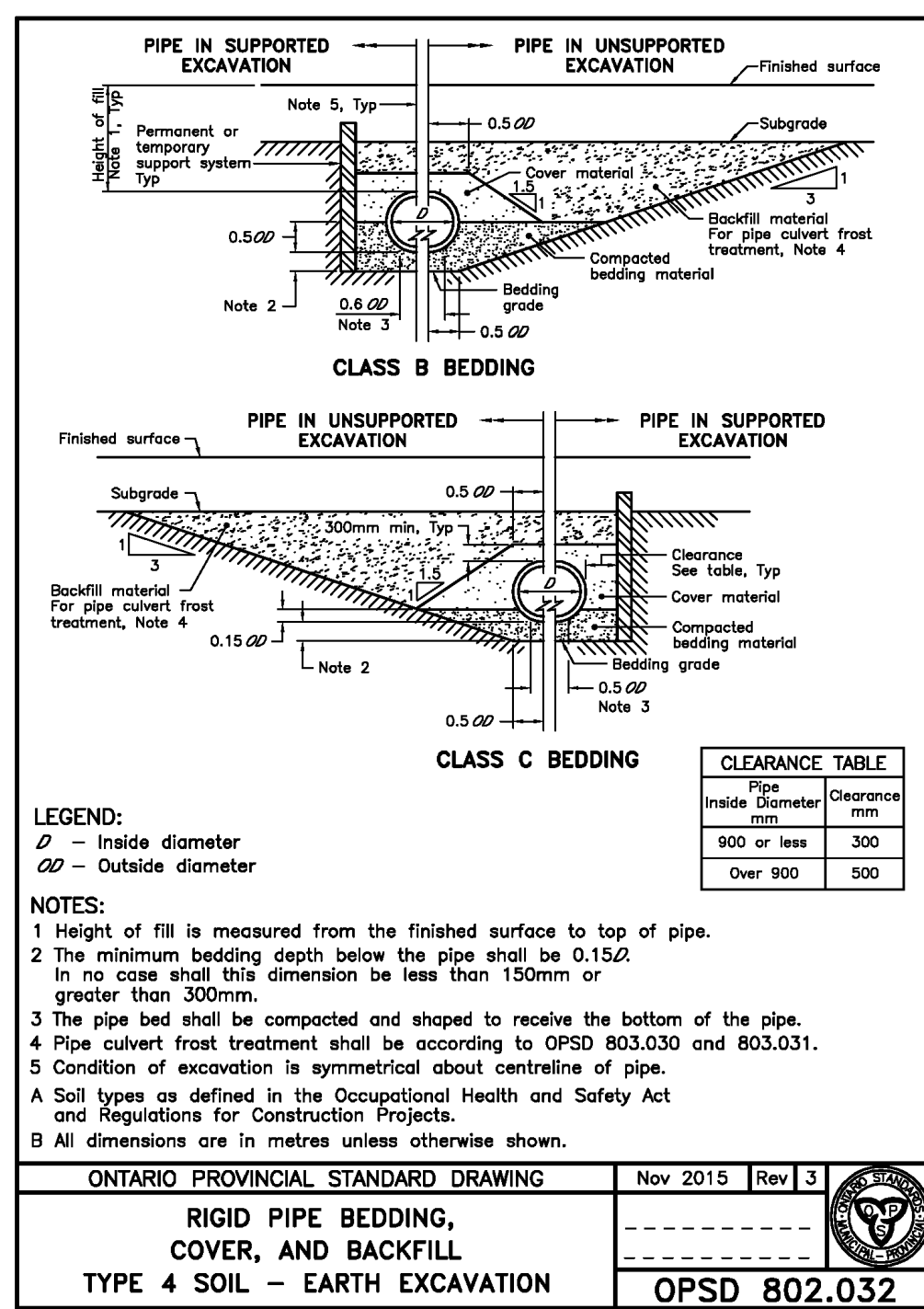
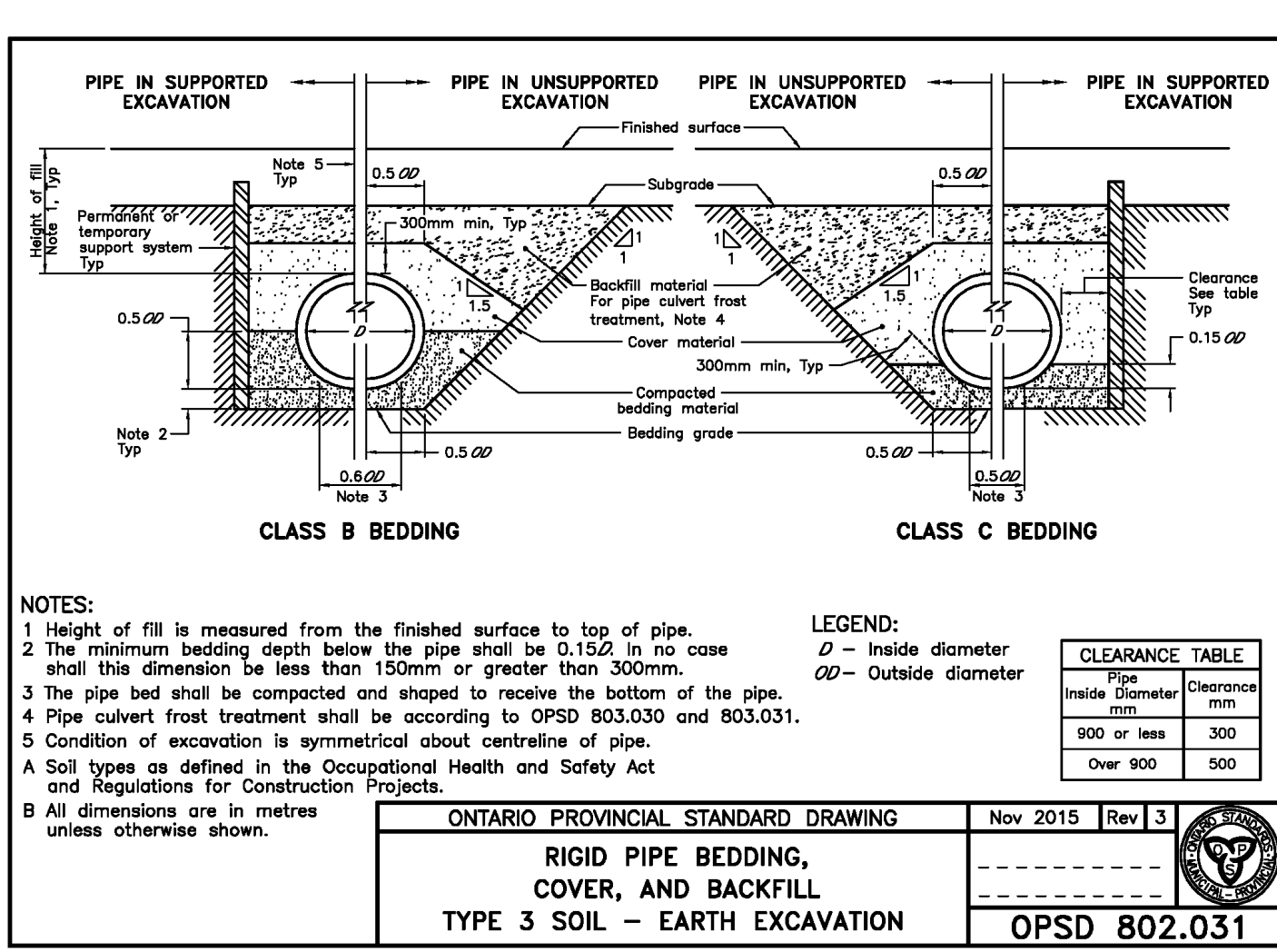
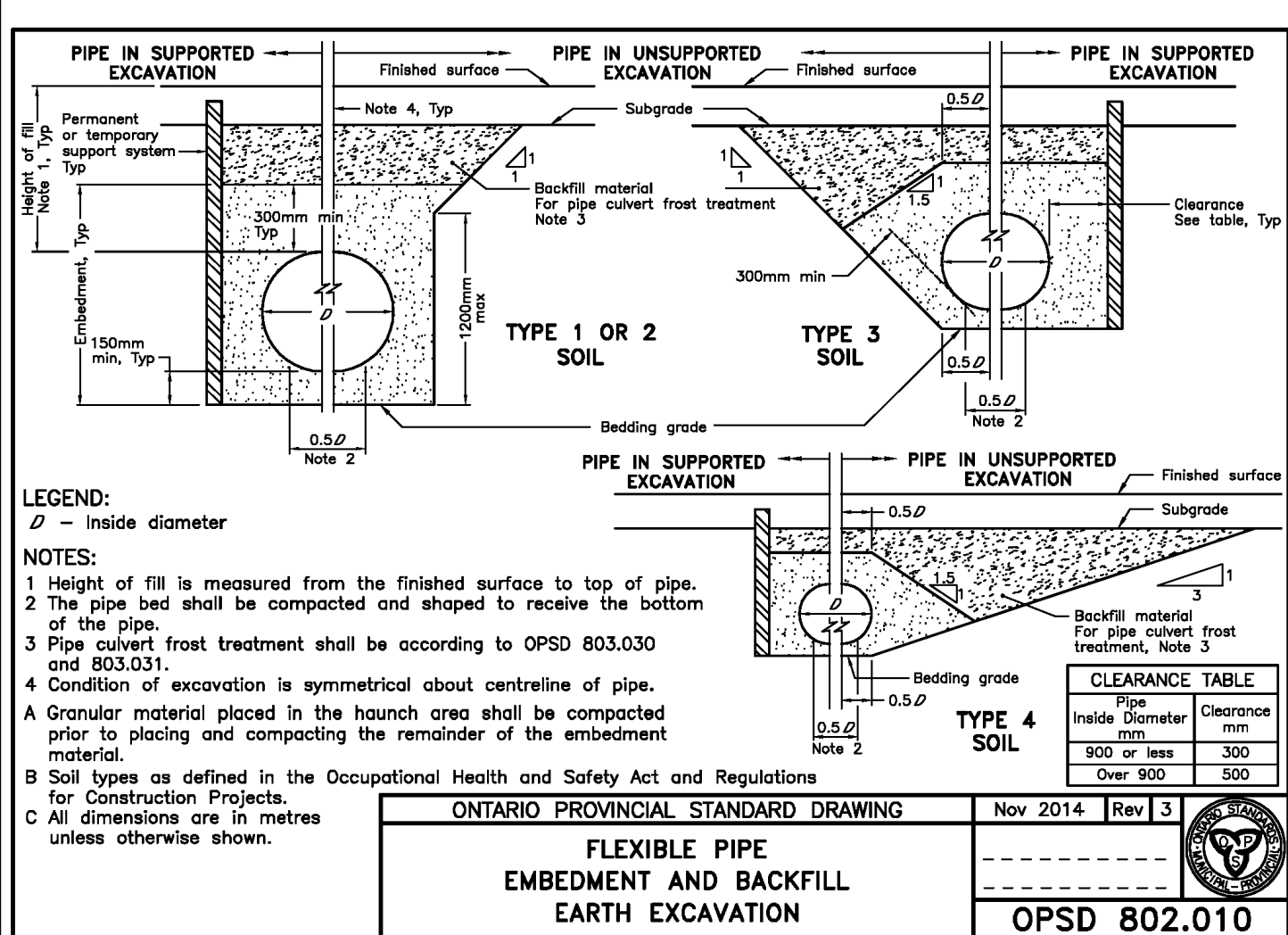
Engineer

**GLENELG RESIDENTIAL DEVELOPMENT
 PHASE 2A
 TOWNSHIP OF SOUTHGATE**

ONTARIO PROVINCIAL STANDARD DRAWINGS

CROZIER CONSULTING ENGINEERS

Drawn By: V.P. Design By: V.P./R.W. Project: 1060-5545
 Check By: R.W. Check By: R.W. Drawing: C110B



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1	ISSUED FOR 1st SUBMISSION	01/24/2025	

Engineer

Project
**GLENELG RESIDENTIAL DEVELOPMENT
 PHASE 2A
 TOWNSHIP OF SOUTHGATE**

Drawing
ONTARIO PROVINCIAL STANDARD DRAWINGS

CROZIER CONSULTING ENGINEERS

Drawn By: V.P. Design By: V.P./R.W. Project: **1060-5545**
 Check By: R.W. Check By: R.W. Drawing: **C110C**

(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

(B)

MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION

INVERT ACCORDING TO PLANS/TAKE OFF

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

(3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
 4" x 15" FOR CORRUGATED HDPE (AD5) N-ANCHOR DUAL WALL,
 AD5/ANCHOR SINGLE WALL, N-12 HP, PVC SEWER (EX: SDR 35),
 PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC
 (CORRUGATED HDPE SHOWN)

ADAPTER SIZE	8
4"	13.25
6"	12.75
8"	12.25
10"	13.50
12"	12.75
15"	7.50

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS 1, CLASS 2, OR CLASS 3 MATERIAL, AS DEFINED IN ASTM D2217, BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2217.


GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRAN	MEETS H-10	1599G-CP	7801-110-297
STANDARD	MEETS H-20	1599G-CS	7801-110-298
SOLID COVER	MEETS H-20	1599G-CC	7801-110-299
PEDESTAL BRONZE	N/A	1599G-CPB	7801-110-210
DOME	N/A	1599G-CD	7801-110-211

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1599CGP	7001-110-207
STANDARD	MEETS H-20	1599CGS	7001-110-208
SOLID COVER	MEETS H-20	1599CGC	7001-110-209
PEDESTRIAN BRONZE	N/A	1599CGPB	7001-110-210
DOME	N/A	1599CGD	7001-110-211
DROP IN GRATE	LIGHT DUTY	1501DI	7001-110-073

- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60 WITH THE EXCEPTION OF THE BRONZE GRATES.
- 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-60.
- 3 - DRAINAGE CONNECTION STUD JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12) HANCOR DUAL WALL, N-12 HP & PVC SEWER.
- 4 - DIMENSIONS ARE FOR REFERENCE ONLY, ACTUAL DIMENSIONS MAY VARY.
- 5 - DIMENSIONS ARE IN INCHES.
- 6 - SEE DRAWING NCL 7001-11-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NCL 7001-11-364 FOR N-12 HP BELL INFORMATION.

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DRAWN BY	EBC	MATERIAL
DATE	04-03-06	
REVISED BY	NMH	PROJECT NO.
DATE	03-15-16	
DWG SIZE	A	SCALE 1:

CUSTOMER NAME	 Nyroplast 3130 VERONA AVENUE BUFORD, GA 30515 PHN (770) 932-2444 FAX (770) 932-2493 www.nyroplast-usa.com	
	TITLE 15 IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL	
20 SHEET 1 OF 1	DWG NO.	7003-110-026
	REV	

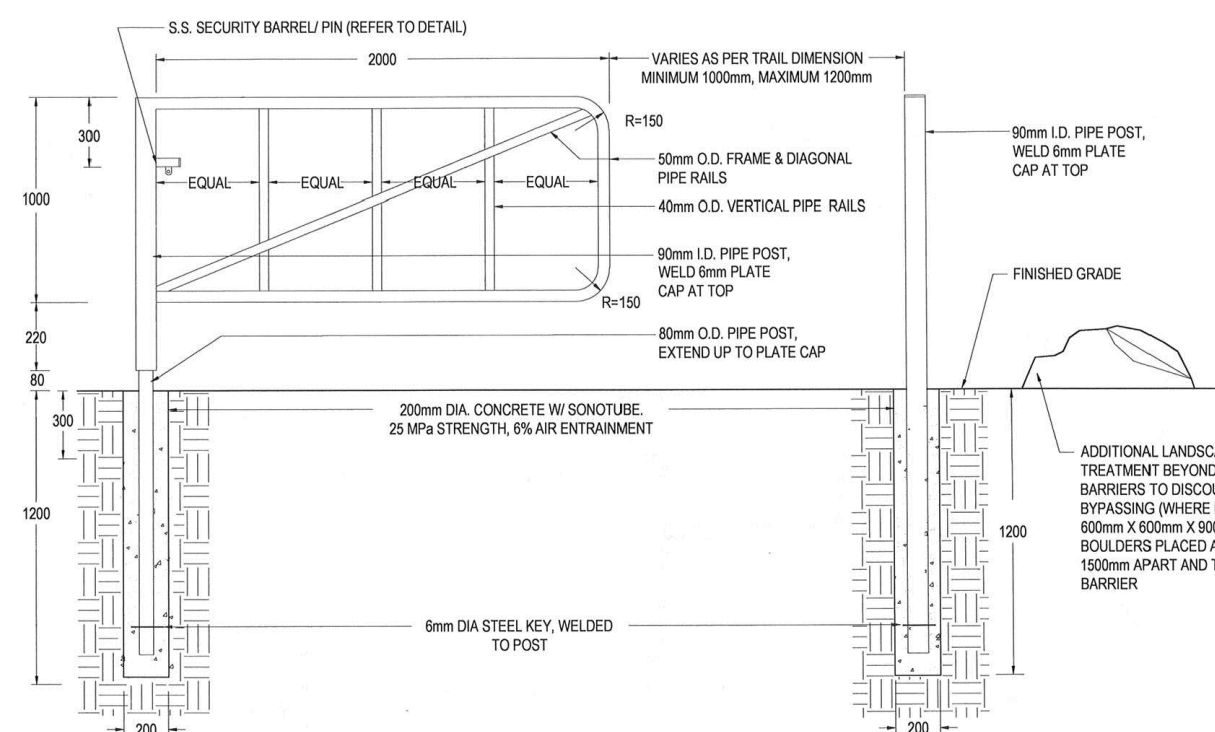
 3130 VERONA AV
BUFORD, GA 30511
PHN (770) 932-2444
FAX (770) 932-2499
www.nyloplast-us.com

Nyloplast

TITLE _____

IS IN ONLINE DRAIN QUICK SPEC INSTALLATION DET. _____

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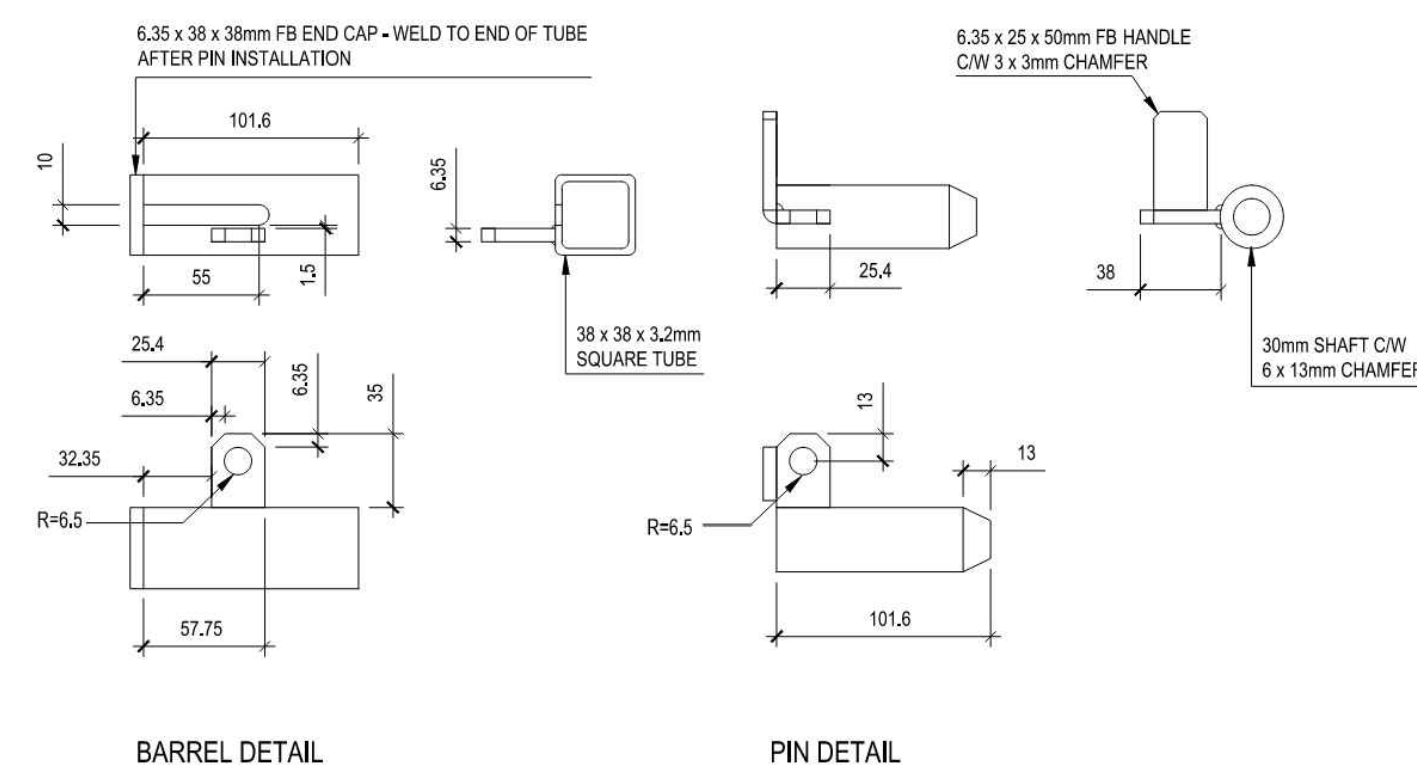


NOTES:

- ALL GATE METAL, EXCEPT S.S. SECURITY BARRELPIN TO BE SCHEDULE 40 STEEL PIPE, HOIP DIA W/VALVED TO MEET CSA-G16-M1981 AFTER FABRICATION, ALL WELDS TO MEET CSA W59-M1980 AND BE GROUND SMOOTH. TOUCH UP ALL MINOR DAMAGED AREAS WITH ZINC BASED PAINT AFTER INSTALLATION. POSITION DRAINAGE HOLES TO MINIMIZE WATER INGRESS, FILL HOLES IF DIRECTED BY TOWNSHIP REPRESENTATIVE.
- EXACT LOCATION OF GATE AND ANY ADDITIONAL LANDSCAPE TREATMENTS TO BE AS DIRECTED ON SITE BY TOWNSHIP REPRESENTATIVE.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH DRAWING L4, STAINLESS STEEL SECURITY BARRELPIN FOR TRAIL BARRIER GATE.

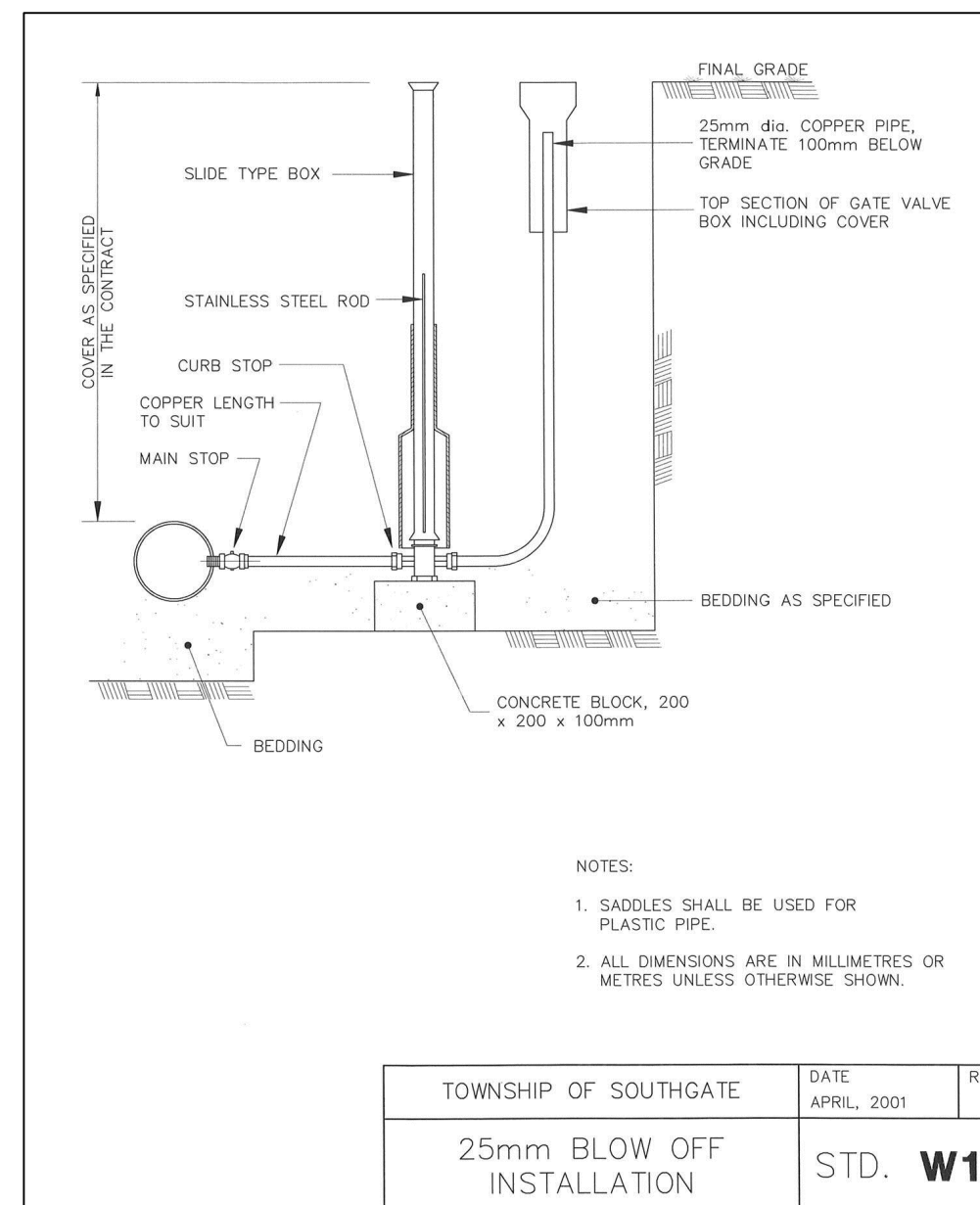
TOWNSHIP OF SOUTHGATE	DATE JAN, 2016	REV 0
TRAIL BARRIER GATE	STD. L3	

188TON ENGINEERING SERVICES, LIMITED



NOTES:
- REMOVE GALVANIZING FROM GATE AT BARREL/PIN WELD AREA AND FULLY COAT WELD SURFACE WITH ZINC BASED PAINT OVERLAPPING ONTO STAINLESS STEEL.

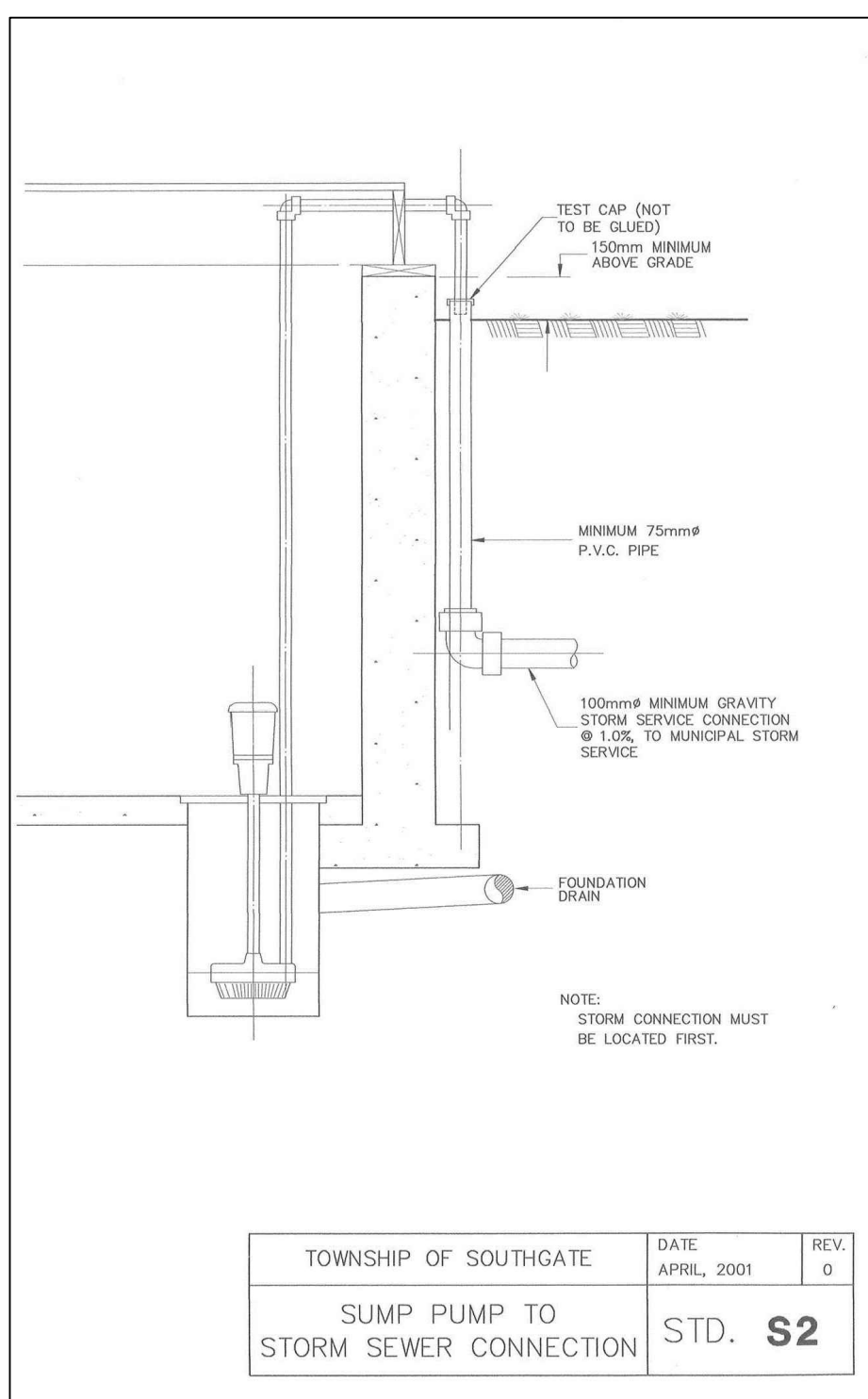
TOWNSHIP OF SOUTHGATE	DATE JAN, 2016	RE 0
STAINLESS STEEL SECURITY BARREL/PIN FOR TRAIL BARRIER GATE & MAINTENANCE ACCESS GATE	STD. L4	



NOTES:

1. SADDLES SHALL BE USED FOR PLASTIC PIPE.
2. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES UNLESS OTHERWISE SHOWN.

TOWNSHIP OF SOUTHGATE	DATE APRIL, 2001	R
25mm BLOW OFF INSTALLATION	STD. W1	



ADJUSTABLE VALVE BOX
BBBY VB 3100, SCREW
TYPE

FINISHED GRADE

2,000 min.

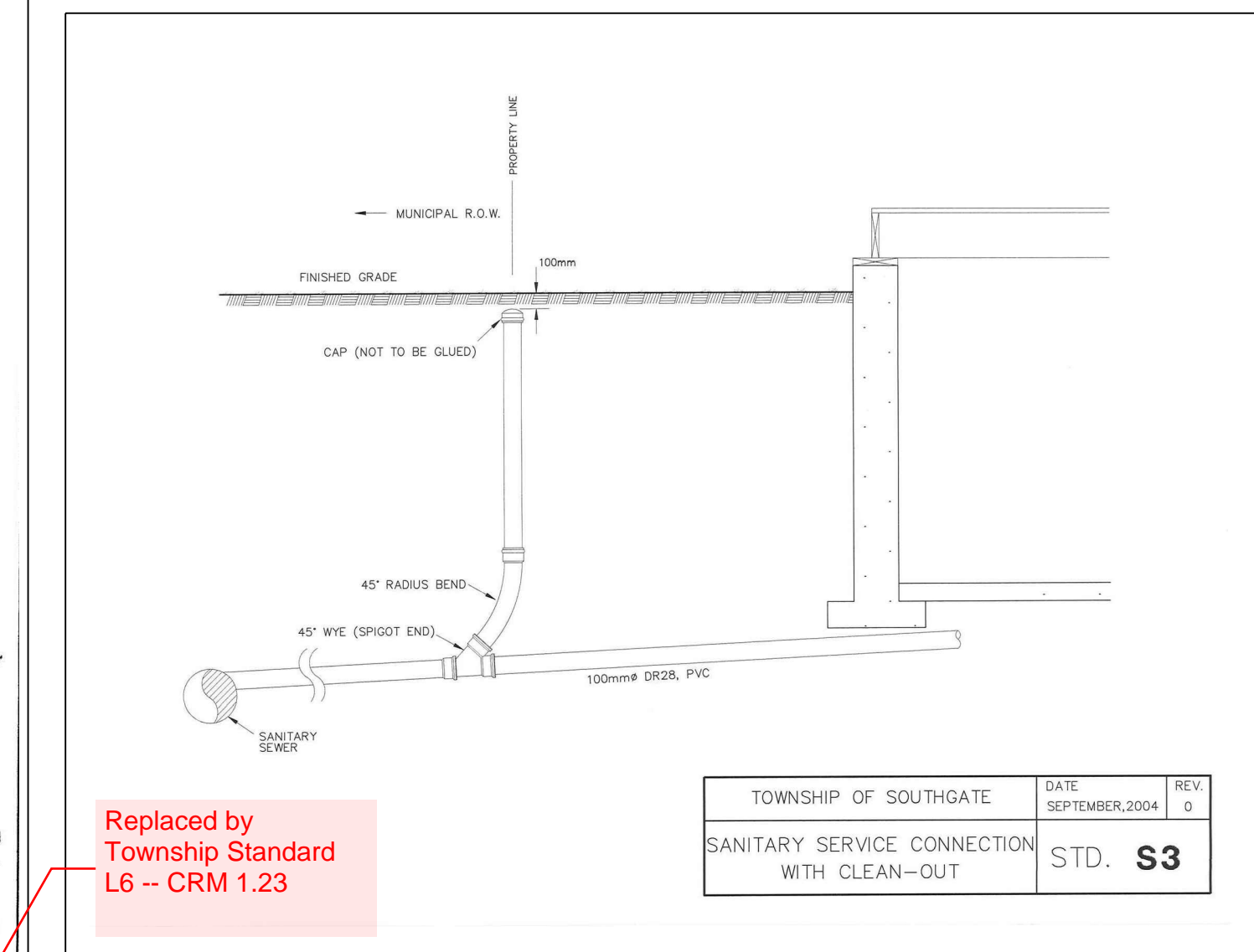
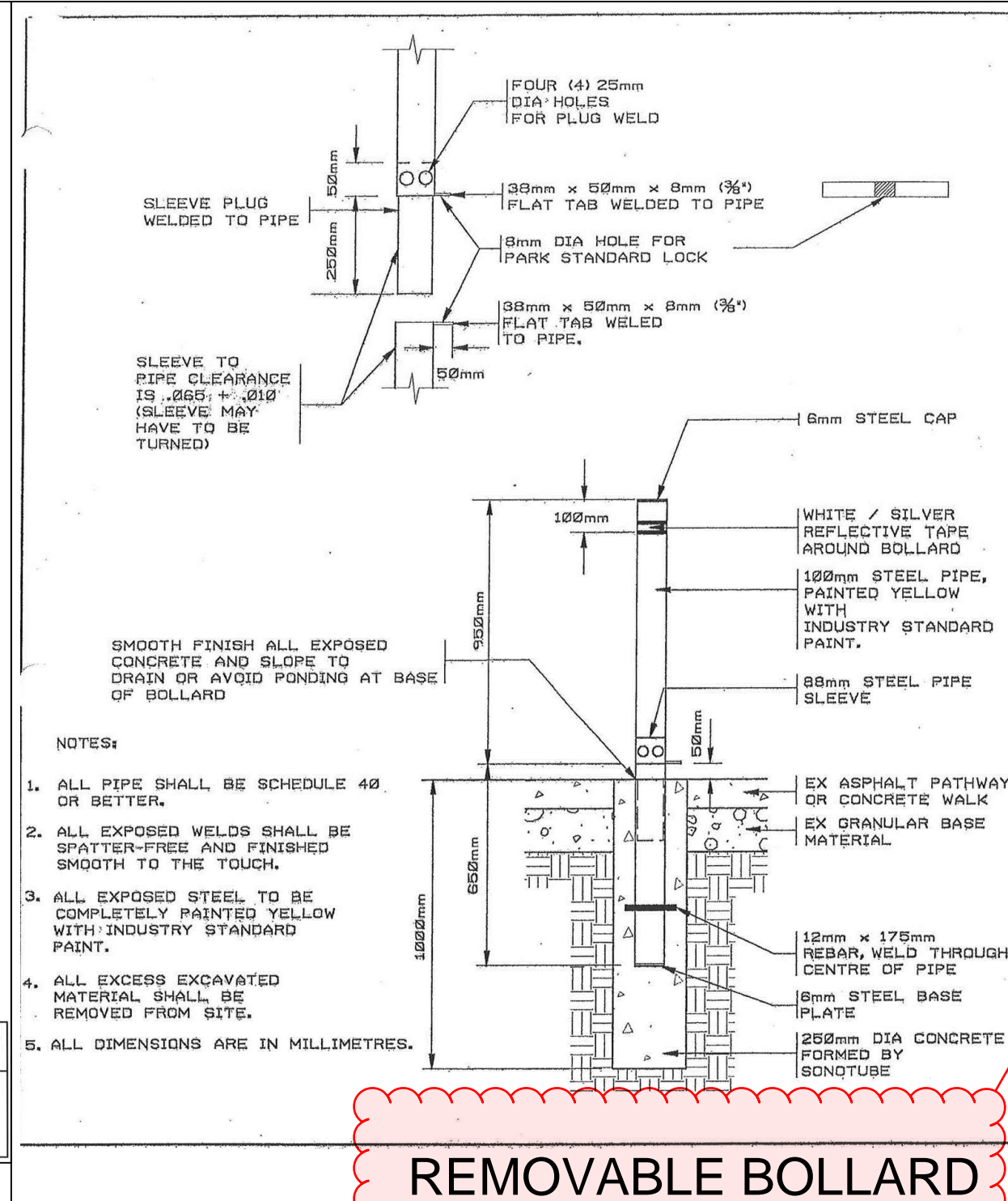
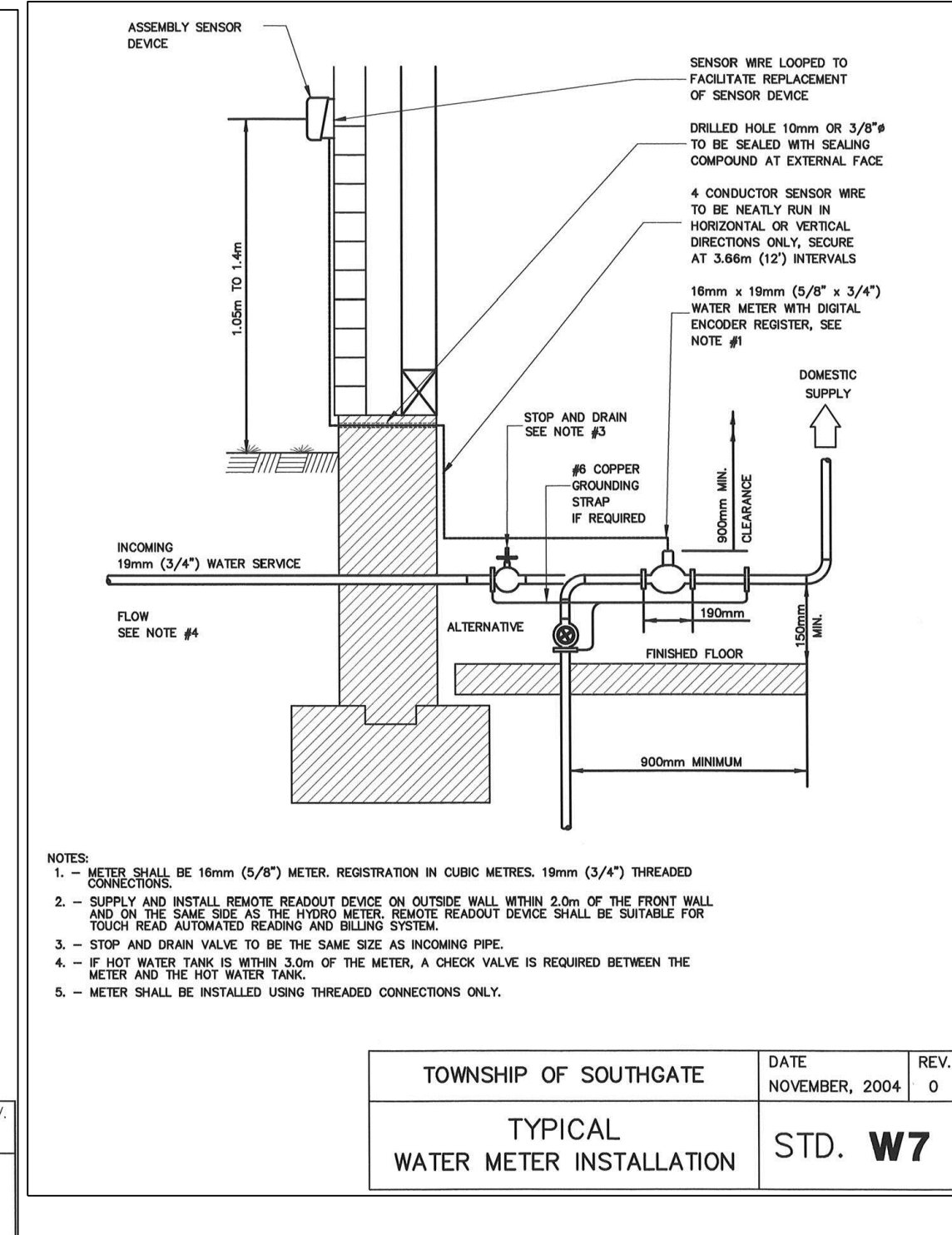
GATE VALVE

WATERMAIN

GRANULAR BEDDING

CONCRETE BLOCK

TOWNSHIP OF SOUTHGATE	DATE APRIL, 2001	REV 0
VALVE AND VALVE BOX	STD. W2	



Replaced by
Township Standard
L6 -- CRM 1.23

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GEODETTIC BENCHMARKS
ELEVATIONS SHOWN HEREON ARE GEODETTIC AND ARE
REFERRED TO TOWNSHIP OF SOUTHGATE MONUMENT
No. 00820048005 HAVING A PUBLISHED ELEVATION OF
525.577 METRES

	Town
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Project: GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE

MUNICIPAL STANDARD DRAWINGS



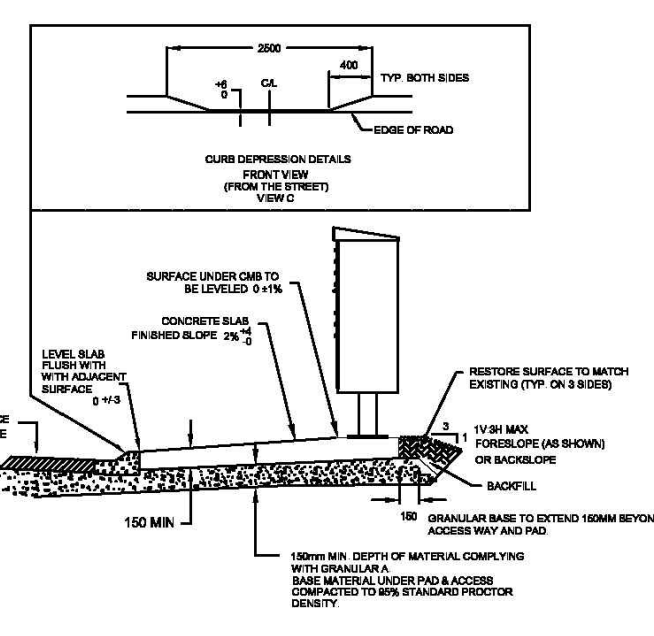
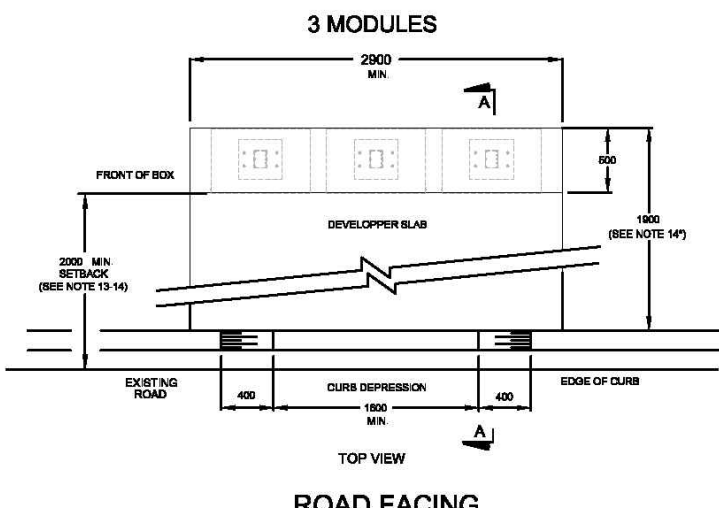
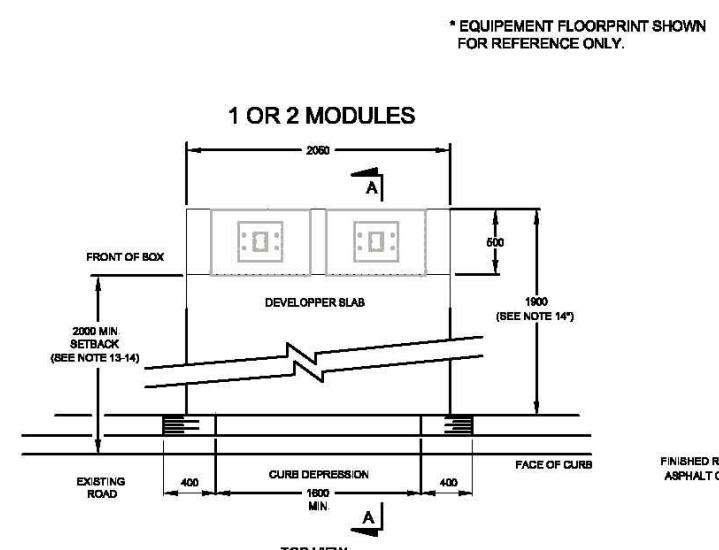
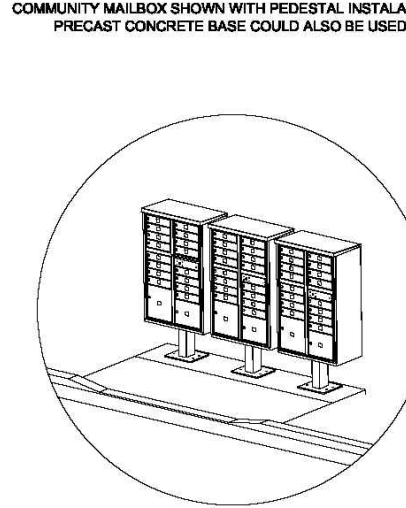
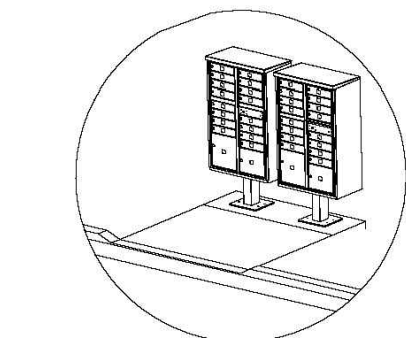
Drawn By	V.P.	Design By	V.P./R.W.	Project	1060-5545
Check By	R.W.	Check By	R.W.	Drawing	C110D

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NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODES, ASIDE BY LOCAL MUNICIPAL BY LAWS AND REGULATORY AGENCIES THAT MAY AFFECT THE WORK.
2. THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS AND ASSUME RESPONSIBILITY FOR EXISTING SERVICES (WATER, POWER, SEWAGE, GAS ETC.) THAT EXIST AT THE SITE.
3. CONCRETE SLAB TO HAVE A MINIMUM THICKNESS OF 150 mm.
4. CONCRETE SLAB SHALL BE PLACED ON 150 mm MINIMUM THICK BASE OF GRANULAR MATERIAL (OR GRANULAR "X" OR EQUIVALENT) COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
5. GRANULAR BASE SHALL BE PLACED ON SOIL CAPABLE OF SAFELY SUSTAINING A BEARING PRESSURE OF NOT LESS THAN 80 kPa.
6. CONCRETE CONSTRUCTION SHALL CONFORM TO CSA A23.1.
7. CONCRETE TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH CSA A23.1 AND CSA 23.2.
8. CSA A23.1 CONCRETE EXPOSURE CLASSIFICATION TO BE C-1 WITH THE FOLLOWING PROPERTIES:
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 35 MPa
 - MINIMUM WATER TO CEMENTING MATERIALS RATIO: 0.40
 - MAXIMUM COARSE AGGREGATE SIZE: 20 mm
 - MAXIMUM SLUMP: 90 mm
 - AIR CONTENT: 5% TO 6%

9. SURFACE OF SLAB TO BE SLOPED 2% @/4 % TO THE NEAREST PLUVIAL DRAIN.
10. TOP OF SLAB TO HAVE A TEXTURED BROOM FINISH TO CSA A23.1. EDGES OF SLAB TO HAVE A SMOOTH TOOLED FINISH.
11. SLAB REINFORCEMENT TO BE 152mm X 152mm, MW 25.8 X MW 25.8 WELDED WIRE FABRIC CONFORMING TO ASTM 1058M. REINFORCEMENT TO BE PLACED AT MID DEPTH OF SLAB OR APPROVED EQUIVALENT.
12. APPLY PIGMENTED CURING COMPOUND TO SURFACE OR REBAR OF SLAB IN ACCORDANCE WITH ASTM C680 TYPE 4 (WHITE COLOUR), CLASS B (RESIN).
13. PROVIDE A MINIMUM SETBACK DISTANCE OF 2000 mm FROM ANY EDGE OF MAILBOX TO NEAREST EDGE OF TRAVELLED ROADWAY.
14. IF THERE IS A VERTICAL CURB, SETBACK DISTANCE IS 1600mm FROM CURB TO EDGE OF CURB. THIS DISTANCE CAN BE REDUCED DOWN TO 1200mm ONLY IF ROAD IS NOT USED AS A THRU ROAD OR THERE IS A BARRIER PROTECTING THE TRAVELLED SIDE.
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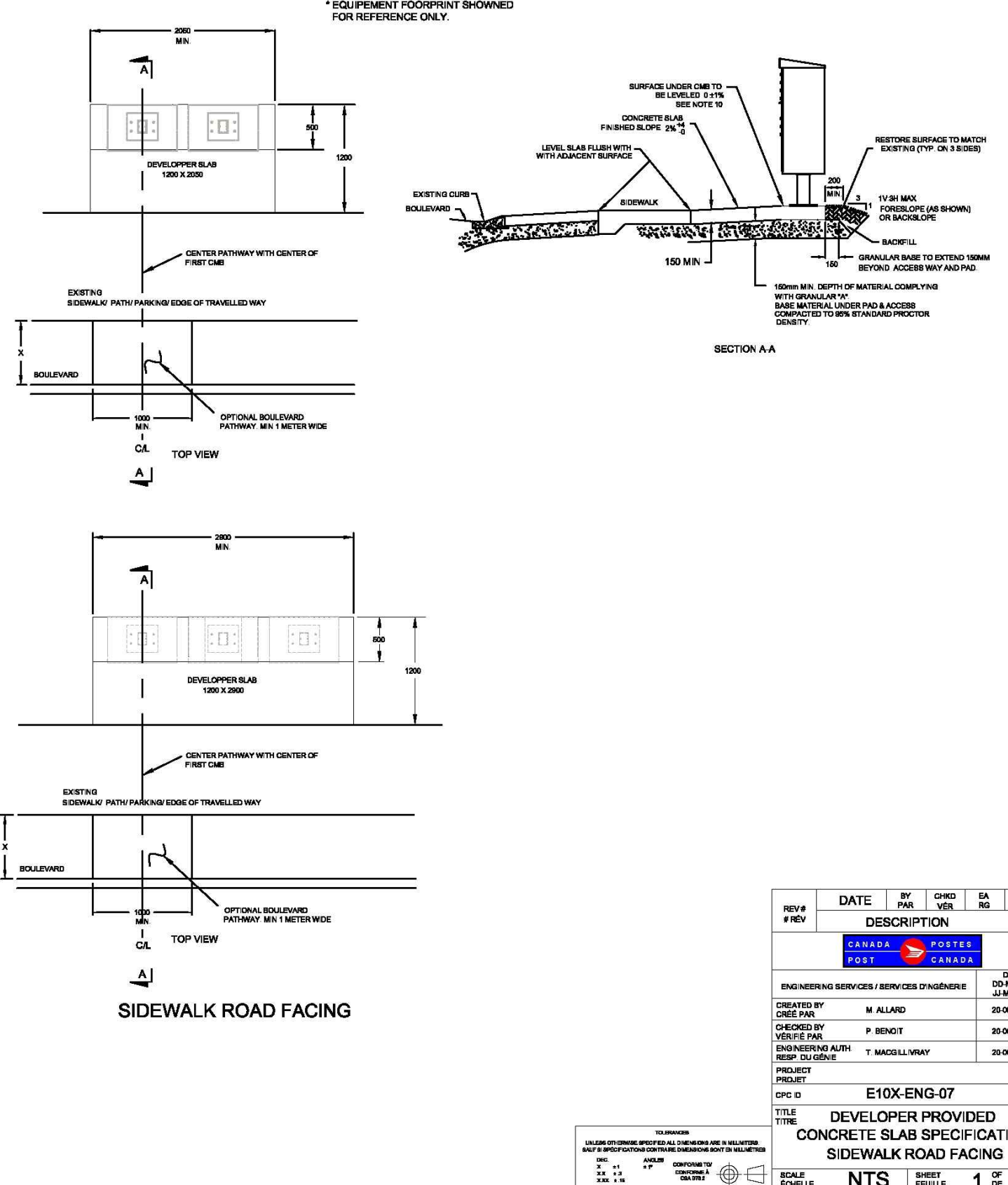
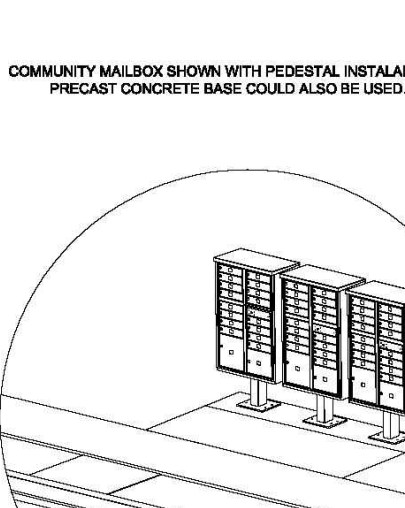
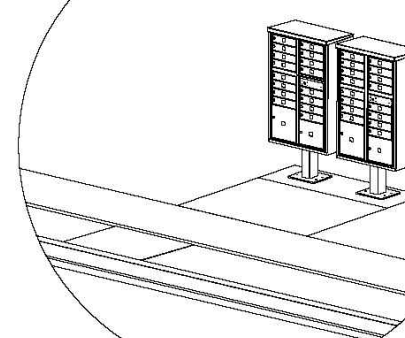
REV#	DATE	BY	CHKD	SA	DOC
1	2024-08-20	M. ALLARD	P. BENOIT	T. MACLELLAN	1
DESCRIPTION					
ENGINEERING SERVICES / SERVICES D'INGÉNIERIE					
CREATED BY / CRÉÉ PAR: M. ALLARD					
CHECKED BY / VÉRIFIÉ PAR: P. BENOIT					
ENGINEERING AUTH. / AUTORISATION D'INGÉNIERIE: T. MACLELLAN					
PROJECT / PROJET: E10X-ENG-06					
TITLE / TITRE: DEVELOPER PROVIDED CONCRETE SLAB SPECIFICATION ROAD FACING					
SCALE / ÉCHELLE: NTS					
SHEET / FEUILLE: 1 OF 1					

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SCALE / ÉCHELLE: NTS					
SHEET / FEUILLE: 1 OF 1					

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Town

No.	ISSUE	DATE: MM/DD/YYYY	Engineer
1	ISSUED FOR 1st SUBMISSION	01/24/2025	

Engineer

Project
GLENELG RESIDENTIAL DEVELOPMENT
PHASE 2A
TOWNSHIP OF SOUTHGATE
Drawing
CANADA POST COMMUNITY SUPERBOX
DETAILS

**CROZIER**
CONSULTING ENGINEERS

Drawn By	V.P.	Design By	V.P./R.W.	Project	1060-5545
Check By	R.W.	Check By	R.W.	Drawing	C110E