

KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION THORNDALE, ON

CONTRACT No. TC-006-26

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WT INFRASTRUCTURE SOLUTIONS INC.
17-370 STONE ROAD P.O. BOX 25002
GUELPH, ON N1G 4T4
T. 519-400-1155
WWW.WTINFRASTRUCTURE.CA

**ISSUED FOR CONSTRUCTION
JUNE 16, 2026**

EXISTING LEGEND

SITE

- PROPERTY LINE
- LOT LINE
- EXTERIOR LOT LINE
- CENTRELINE OF ROAD
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- EDGE OF SHOULDER
- PAVED DRIVEWAY
- GRAVEL DRIVEWAY
- CURB
- SIDEWALK
- BUILDING
- CONCRETE
- FENCE
- TOP OF BANK
- BOTTOM OF BANK
- DITCH
- SWALE
- PROPERTY MARKER
- BOREHOLE
- MAILBOX
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE

UTILITIES

- BELL
- CABLE
- GASMAIN
- HYDRO
- OVERHEAD WIRES
- SURFACE MOUNTED HAND HOLD
- BELL PEDESTAL
- HYDRO POLE
- HYDRO POLE / LIGHT STANDARD

WATER

- WATERMAIN VALVE
- FIRE HYDRANT

STORM

- STORM SEWER
- STORM CULVERT
- CATCH BASIN
- STORM MAINTENANCE HOLE

SANITARY

- SANITARY SEWER
- SANITARY FORCEMAIN
- SANITARY MAINTENANCE HOLE

REMOVALS LEGEND

UTILITIES

- BELL TO BE REMOVED
- CABLE TO BE REMOVED
- HAND HOLD TO BE REMOVED
- BELL BOX TO BE REMOVED

WATER

- WATERMAIN TO BE REMOVED
- VALVE TO BE REMOVED
- FIRE HYDRANT TO BE REMOVED

STORM

- STORM SEWER TO BE REMOVED
- STORM CULVERT TO BE REMOVED
- CATCH BASIN TO BE REMOVED
- STORM MAINTENANCE HOLE TO BE REMOVED

PROPOSED LEGEND

UTILITIES

- PROPOSED BELL
- PROPOSED CABLE
- PROPOSED GASMAIN
- PROPOSED HYDRO

WATER

- PROPOSED WATERMAIN
- PROPOSED VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED THRUST BLOCK
- PROPOSED WATERMAIN INSULATION

STORM

- PROPOSED STORM SEWER PIPE
- PROPOSED STORM CULVERT
- PROPOSED SUB-DRAIN
- PROPOSED CATCH BASIN
- PROPOSED STORM MAINTENANCE HOLE
- PROPOSED DITCH INLET
- PROPOSED STORM CAP

SANITARY

- SANITARY SEWER
- SANITARY FORCEMAIN
- SANITARY MAINTENANCE HOLE
- PROPOSED SANITARY CAP

SITE

- ASPHALT TO BE REMOVED
- GRAVEL TO BE REMOVED
- SHOULDER TO BE REMOVED
- ASPHALT DRIVEWAY TO BE REMOVED
- GRAVEL DRIVEWAY TO BE REMOVED
- CURB TO BE REMOVED
- SIDEWALK TO BE REMOVED
- CONCRETE TO BE REMOVED
- FENCE TO BE REMOVED / REINSTATED
- MAILBOX TO BE REMOVED / REINSTATED
- SIGN TO BE REMOVED / REINSTATED

SITE

- PROPOSED CENTRELINE OF ROAD
- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF GRAVEL
- PROPOSED EDGE OF SHOULDER
- PROPOSED ASPHALT DRIVEWAY
- PROPOSED GRAVEL DRIVEWAY
- PROPOSED CURB
- PROPOSED DROP CURB
- PROPOSED SIDEWALK
- PROPOSED CONCRETE
- PROPOSED / REINSTATED FENCE
- PROPOSED TOP OF SLOPE
- PROPOSED BOTTOM OF SLOPE
- PROPOSED DITCH
- PROPOSED SWALE
- PROPOSED RETAINING WALL
- MAILBOX TO BE REINSTATED
- PROPOSED / REINSTATED SIGN

ROAD & SURFACE RESTORATION NOTES

- THE STANDARD CROSS SECTION FOR LOCAL URBAN ROADWAYS IS TO BE IN ACCORDANCE WITH STANDARD COUNTY ROAD TYPICAL CROSS-SECTION.
- THE MAXIMUM GRADES OF ANY LOCAL ROAD SHALL BE 8%. THE MINIMUM ROAD GRADES ON ALL ROADS SHALL BE 0.5%. THE ROAD CROSS-FALL SHALL BE 2.0% ON ALL ROADWAYS. SUBGRADE TO HAVE MIN. 2% CROSS FALL AND BE PROOF ROLLED PRIOR TO PLACEMENT OF IMPORTED GRANULAR MATERIALS.
- TACK COAT SHALL BE APPLIED ON ALL MILLED SURFACES AND IN SITUATIONS WHERE PLACEMENT OF ASPHALT LIFTS IS SEPARATED BY MORE THAN TWO WEEKS. SURFACE TO BE CLEAN SWEEP PRIOR TO PLACEMENT OF TACK COAT.
- REFER TO DRAWING DS.1 FOR PAVEMENT STRUCTURE DETAILS FOR KING STREET, MISSOURI ROAD, AND THORNDALE ROAD. ALL NEW ASPHALT SHALL BE HOT MIX, HOT LAID, ASPHALTIC CONCRETE PLACED IN ACCORDANCE WITH OPSS/MUNI 310 AND 1151, LATEST AMENDMENTS.
- GRANULAR AND NATIVE MATERIAL SHALL NOT BE PLACED OR COMPACTED IN MORE THAN 200mm LIFTS.
- DISTURBED DRIVEWAY ENTRANCES ARE TO BE RECONSTRUCTED TO MATCH EXISTING OR IN ACCORDANCE WITH STANDARD DRAWING R-12 "STANDARD SINGLE AND DOUBLE DRIVEWAY ENTRANCE," WHICHEVER IS WIDER. SURFACE TO BE REPLACED WITH ASPHALT AS PER STANDARD DRAWING R-12 OR TO MATCH EXISTING SURFACE TREATMENT AS IDENTIFIED ON THE CONTRACT DRAWINGS. DRIVEWAY ENTRANCES SHALL NOT EXCEED 10%.
- EXISTING SIDEWALK TO REMAIN. PROTECT DURING CONSTRUCTION. DISTURBED SIDEWALK PANELS FOR PDC INSTALLATION AS IDENTIFIED ON THE CONTRACT DRAWINGS SHALL BE SAWCUT PRIOR TO REMOVAL. SIDEWALKS TO BE IN ACCORDANCE WITH STANDARD DRAWING R-8 "CONCRETE SIDEWALK," 1.5m WIDE, 125mm THICK CONCRETE; 100mm GRANULAR 'A' BASE. MATCH EXISTING CROSS FALL BETWEEN 2% AND 4%. RECONSTRUCTED COMMERCIAL ENTRANCE SIDEWALK TO BE 1.5m WIDE; 150mm THICK CONCRETE; 100mm GRANULAR 'A' BASE. WHERE EXISTING SIDEWALK IS REMOVED, TEMPORARY INSTALL FLAT OR COMPACTED NAVIGABLE SURFACE TO MAINTAIN ADA ACCESS.
- SIDEWALK AND OTHER CONCRETE TO HAVE MINIMUM STRENGTH OF 30 MPa WITH 5% TO 7% AIR ENTRAINMENT AND LOW SLUMP.
- ALL NEW SIDEWALK RAMPS TERMINATING AT MUNICIPAL ROW SHALL BE RUSTED RED IN COLOUR AND MEET ADA STANDARDS AND HAVE CAST IRON TACTILE PLATES INSTALLED IN ACCORDANCE TO OPSD 310.031, 310.033 AND 310.039, RESPECTIVELY.

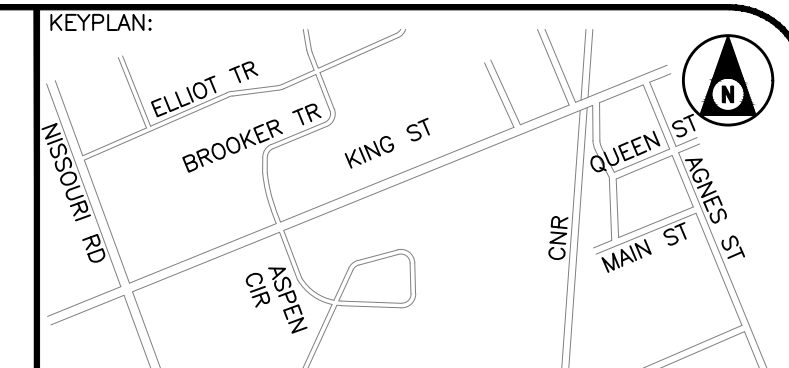
STORM SEWER STRUCTURES TABLE (MH)				
STRUCTURE NAME	SIZE	LID ELEV.	INV. ELEV.	STRUCTURE HEIGHT
CBMH01	1500mm	283.55	INV. S = 281.73m (300mmø) INV. W = 281.66m (450mmø) INV. E = 281.64m (450mmø)	2.51m
CBMH02	1500mm	283.58	INV. W = 281.26m (450mmø) INV. S = 281.42m (300mmø) INV. E = 281.23m (525mmø)	2.94m
CBMH03	1800mm	283.80	INV. W = 281.10m (525mmø) INV. E = 281.10m (525mmø) INV. N = 281.01m (600mmø) INV. S = 281.01m (900mmø)	2.79m
CBMH05	1500mm	284.17	INV. E = 281.72m (375mmø) INV. W = 281.69m (375mmø) INV. S = 282.00m (375mmø)	3.07m
CBMH06	1500mm	284.29	INV. S = 282.37m (300mmø) INV. W = 282.00m (375mmø) INV. NE = 282.02m (375mmø)	2.89m
CBMH07	1200mm	284.37	INV. S = 282.88m (250mmø) INV. E = 282.85m (525mmø)	2.12m
CBMH08	1500mm	284.33	INV. W = 282.49m (525mmø) INV. S = 282.49m (300mmø) INV. NE = 282.46m (525mmø)	2.47m
STMH01	1200mm	284.00	INV. N = 281.13m (450mmø) INV. S = 281.02m (600mmø)	2.98m
STMH02	1200mm	284.63	INV. E = 281.40m (525mmø) INV. W = 281.37m (525mmø)	3.26m
STMH03	1200mm	284.21	INV. SW = 282.22m (525mmø) INV. E = 282.19m (525mmø)	2.02m
STMH04	1200mm	284.12	INV. E = 281.92m (450mmø) INV. N = 282.01m (450mmø)	2.20m
STMH021	1200mm	284.53	INV. SW = 282.12m (375mmø)	2.41m

STORM SEWER STRUCTURES TABLE (CB)				
STRUCTURE NAME	SIZE	LID ELEV.	INV. ELEV.	STRUCTURE HEIGHT
CB01	750mmx750mm	284.21	INV. E = 282.45m (250mmø)	2.36m
CB02	750mmx750mm	284.22	INV. W = 282.46m (250mmø)	2.36m
CB03	750mmx750mm	283.81	INV. S = 282.06m (250mmø)	2.35m
CB04	750mmx750mm	283.81	INV. N = 282.05m (250mmø)	2.36m
CB05	750mmx750mm	284.08	INV. S = 282.33m (250mmø)	2.35m
CB07	750mmx750mm	284.27	INV. S = 282.54m (250mmø) INV. N = 282.56m (150mmø)	2.33m
CB09	750mmx750mm	284.35	INV. N = 282.51m (150mmø) INV. S = 282.49m (250mmø)	2.46m
CB10	750mmx750mm	283.92	INV. NW = 282.46m (250mmø) INV. SE = 282.49m (150mmø)	2.06m
CB11	750mmx750mm	284.30	INV. S = 282.62m (250mmø)	2.28m
CB12	750mmx750mm	284.00	INV. N = 282.63m (250mmø) INV. S = 282.66m (150mmø)	1.97m
CB13	750mmx750mm	284.50	INV. N = 282.76m (150mmø) INV. S = 282.74m (250mmø)	2.36m
CB14	750mmx750mm	284.55	INV. N = 282.59m (250mmø) INV. S = 282.61m (150mmø)	2.56m
CB15	1500mmx750mm	284.37	INV. N = 282.94m (250mmø)	2.03m
CB16	750mmx750mm	284.50	INV. N = 283.40m (250mmø) INV. SE = 283.43m (150mmø)	1.71m
CB17	750mmx750mm	284.36	INV. N = 283.36m (250mmø) INV. S = 283.39m (150mmø)	1.60m
CB18	750mmx750mm	284.09	INV. N = 282.73m (150mmø) INV. S = 282.71m (250mmø)	1.98m
DCB01	1500mmx750mm	283.55	INV. N = 281.84m (300mmø)	2.31m
DCB02	1500mmx750mm	283.58	INV. N = 281.77m (300mmø)	2.41m
DCB03	1500mmx750mm	284.16	INV. N = 282.36m (300mmø) INV. SE = 282.39m (250mmø)	2.40m
DCB04	1500mmx750mm	284.29	INV. N = 282.48m (300mmø)	2.40m
DCB06	1500mmx750mm	284.10	INV. N = 282.60m (300mmø)	2.09m
DICB01	750mmx750mm	283.18	INV. S = 281.93m (375mmø)	1.86m

TEMPORARY BENCHMARKS TABLE

BENCHMARK	NORTHING	EASTING	ELEVATION
BM#1	4772082.55	487278.03	284.91
TBM#2	4771986.25	487304.43	283.58
TBM#3	4772077.45	487416.63	284.95
TBM#4	4772089.17	487452.45	284.04
TBM#5	4772123.37	487616.63	284.56
TBM#6	4772135.62	487554.67	284.26
TBM#7	4772210.01	487824.95	285.31
TBM#8	4772245.84	487895.79	285.03

PROJECT AREA SURVEYED IN AUGUST & SEPTEMBER 2024 BY SMC GEOMATICS. VERTICAL AND HORIZONTAL CONTROL ESTABLISHED BY LEICA RTK SMARTNET.



BENCHMARK: REFER TO BENCHMARKS TABLE THIS DRAWING.

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THIS DRAWING IS NOT TO BE SCALED.

NO.	BY	DATE	ISSUE / REVISION
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

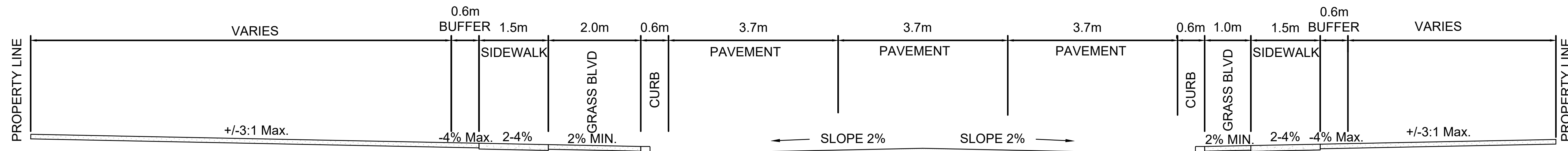


CLIENT: Thames Centre

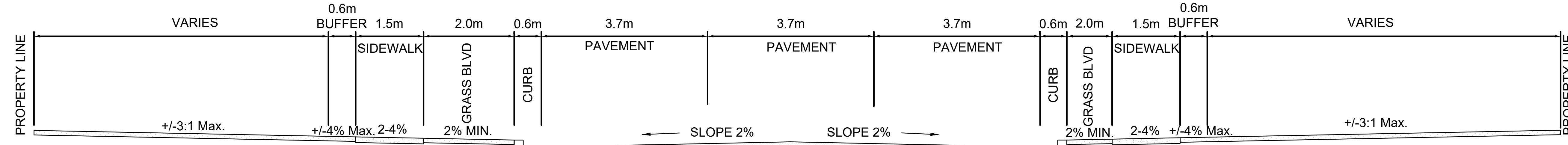
PROJECT NAME: KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

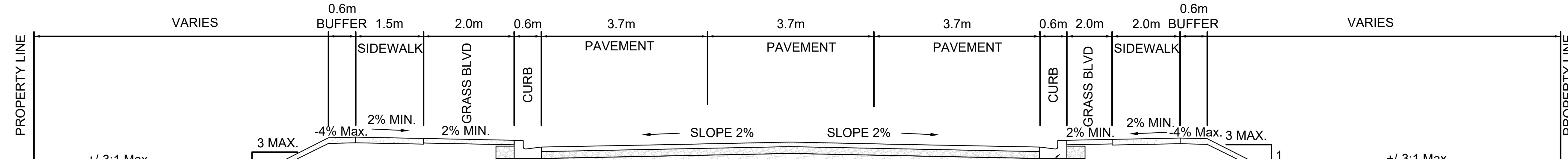
LEGEND			
PROJECT NO: 24-2031	SCALE: 1:250	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	25mm
DRAWING NO: G.2	SHEET #:		3 of 18



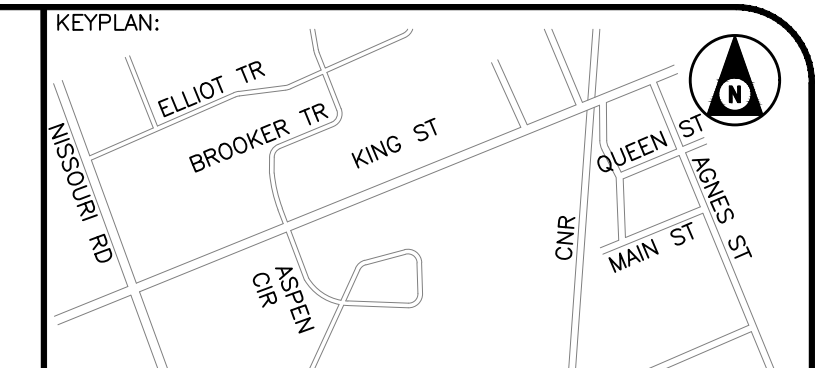
TYPICAL CROSS SECTION FROM STA 0+00 TO 0+320
SCALE: N.T.S.



TYPICAL CROSS SECTION NO.1 FROM STA 0+350 TO STA 0+724
SCALE: N.T.S.



TYPICAL CROSS SECTION NO.2 FROM STA 0+350 TO STA 0+724
SCALE: N.T.S.



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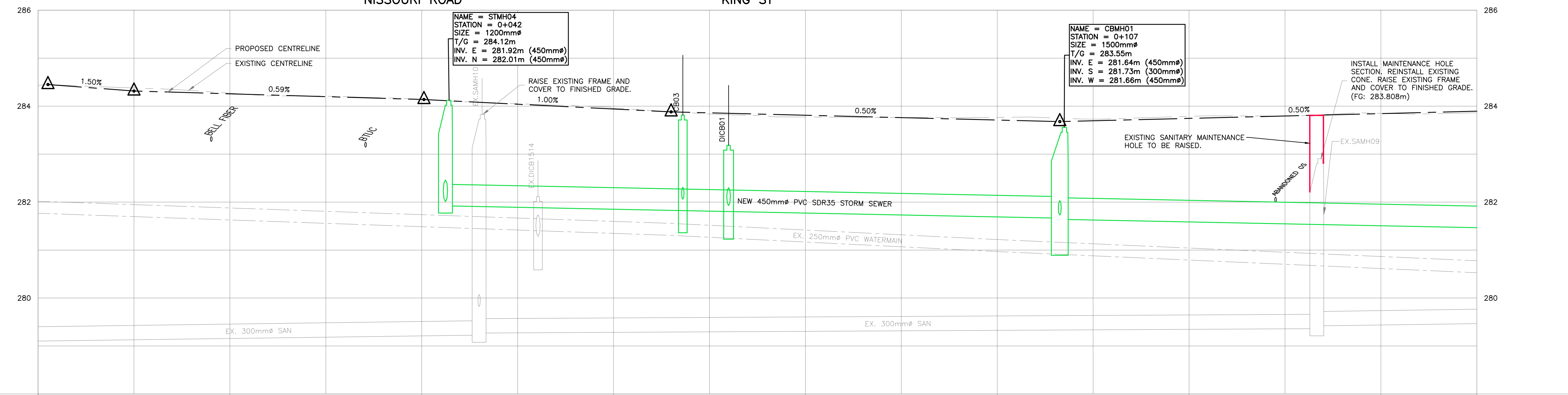
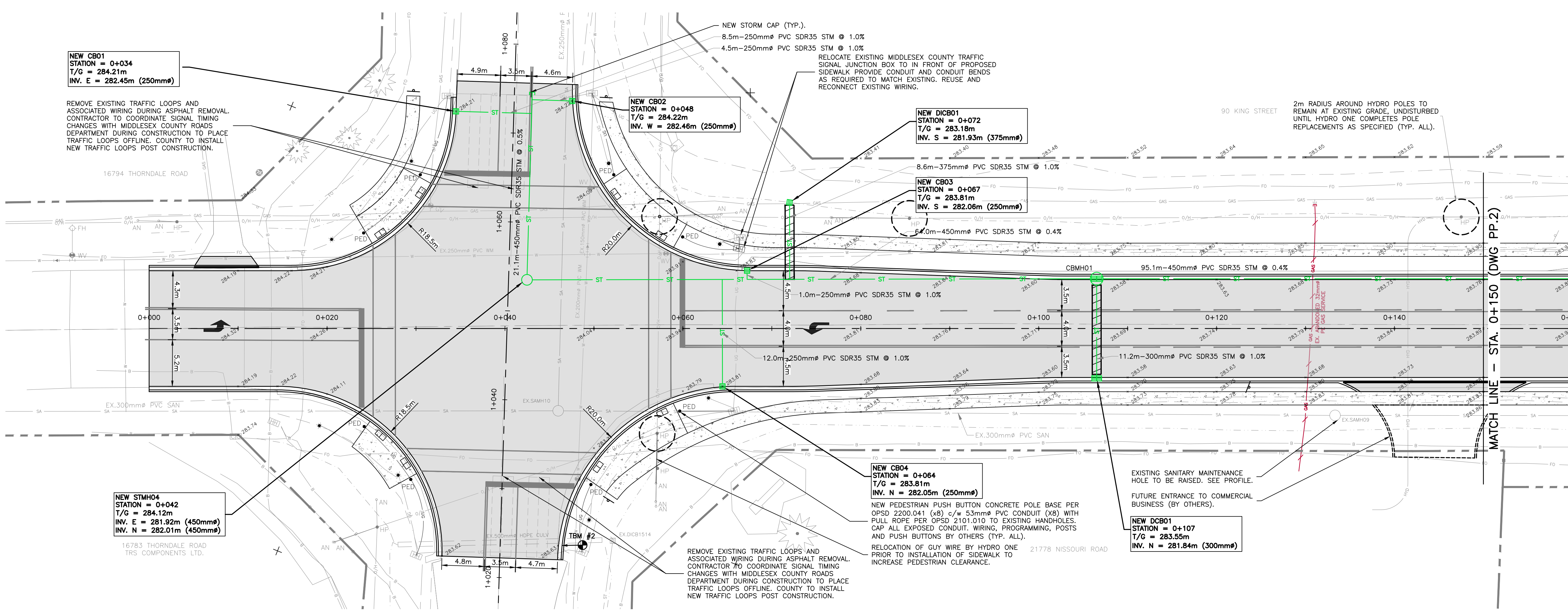


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KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION
CLIENT REF: TC-006-26
TITLE:

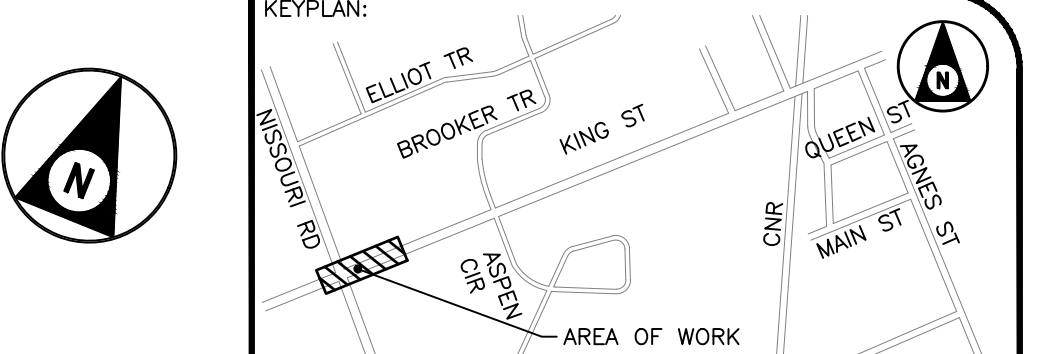
TYPICAL CROSS SECTIONS

PROJECT NO: 24-2031	SCALE: 1:50	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	25mm
DRAWING No:	G.3		SHEET #: 4 of 18

THORNDALE ROAD



STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+150	STATION
EXISTING FINISHED CENTERLINE GRADE	284.43	284.26	284.14	283.94	283.81	283.71	283.74	283.94	283.89	EXISTING FINISHED CENTERLINE GRADE
EXISTING NEW TOP OF WATERMAIN	282.02	281.88	281.74	281.60	281.42	281.22	281.04	280.87	280.78	EXISTING NEW TOP OF WATERMAIN
STORM SEWER INVERT			281.92						281.26	STORM SEWER INVERT
EXISTING SANITARY SEWER INVERT	279.97	EXISTING 93.4m 300mm ^ø SANITARY SEWER @ 0.3%						EXISTING 90.1m 300mm ^ø SANITARY SEWER @ 0.3%		EXISTING SANITARY SEWER INVERT
					NEW 64.0m 450mm ^ø PVC SDR35 STORM SEWER @ 0.4%					
							NEW 95.1m 450mm ^ø PVC SDR35 STORM SEWER @ 0.4%			



- NOTES:**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
 - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
 - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EXISTING SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
 - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
 - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



BENCHMARK:
 BM #1: NAIL ON HYDRO POLE 60 m NORTH AT NE CORNER OF KING ST AND NISSOURI RD. ELEV: 284.91m
 TBM #2: CUT CROSS IN SOUTH END OF CURB AT SE CORNER OF KING ST AND NISSOURI RD. ELEV 283.58

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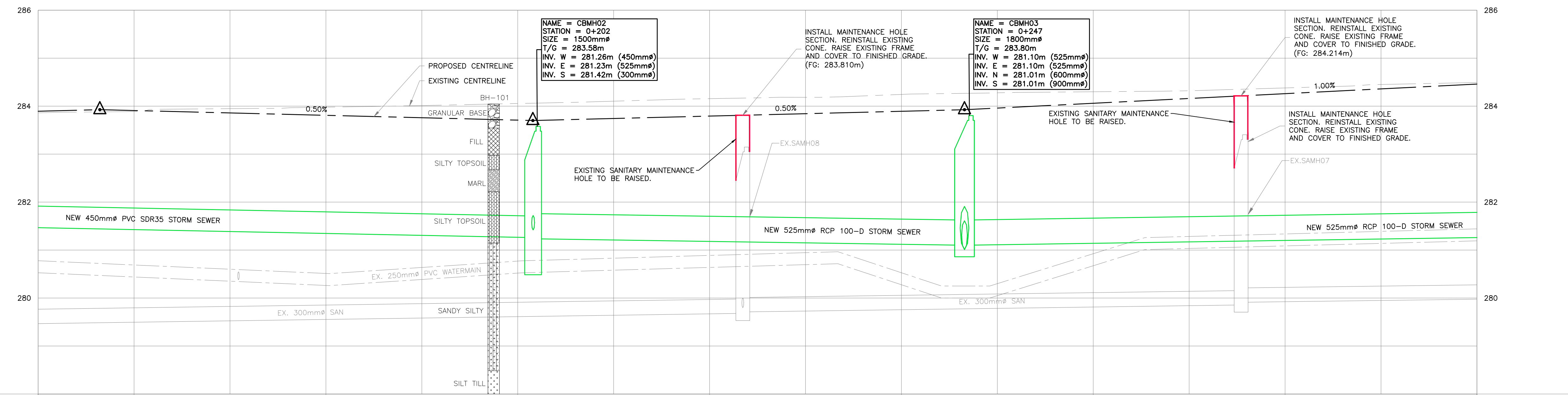
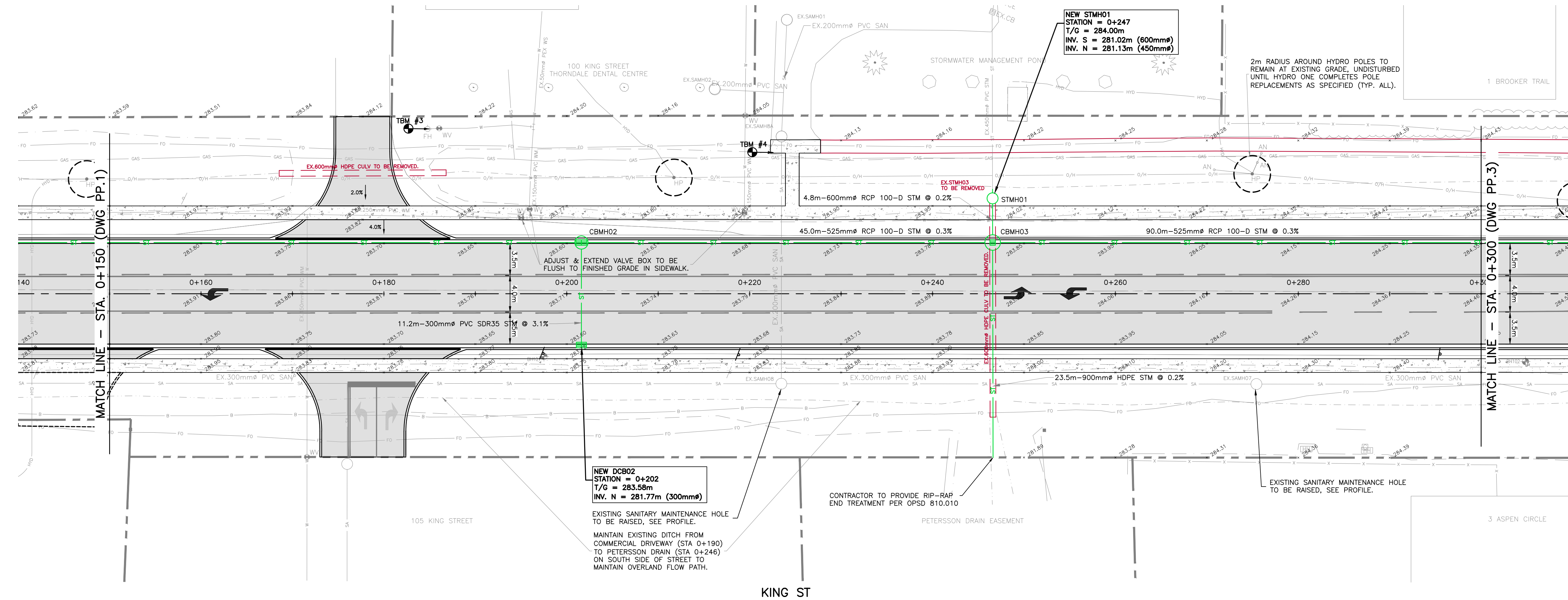
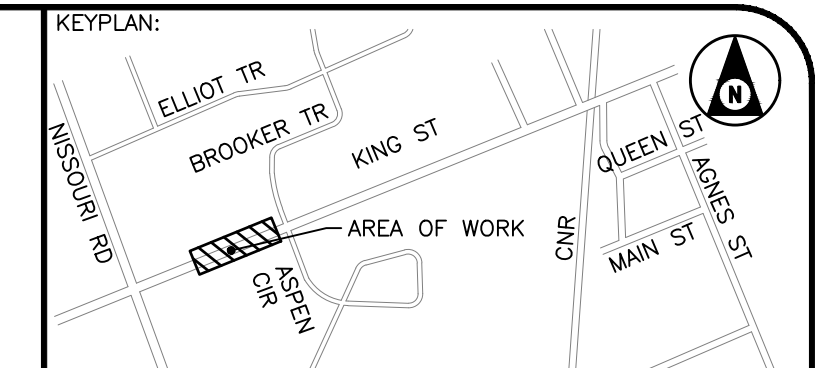
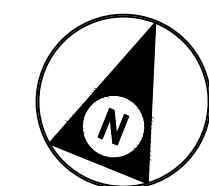
PROJECT NAME:
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

TITLE:
**PLAN AND PROFILE
 STA. 0+000 TO STA. 0+150**

PROJECT NO: 24-2031
 SCALE: 1:250
 DATE: 30/05/2025
 DESIGNED BY: JA
 DRAWN BY: MA
 CHECKED BY: AT
 DRAWING NO: PP.1

IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
 SHEET #: 5 of 18



STATION	0+150	0+180	0+200	0+220	0+240	0+260	0+280	0+300	STATION
EXISTING FINISHED CENTERLINE GRADE	283.89	283.91	283.71	283.79	283.89	284.06	284.26	284.46	EXISTING FINISHED CENTERLINE GRADE
EXISTING NEW TOP OF WATERMAIN	280.78	280.59	280.51	280.89	280.53	280.92	281.34	281.44	EXISTING NEW TOP OF WATERMAIN
STORM SEWER INVERT	281.64	NEW 95.1m 450mm PVC SDR35 STORM SEWER @ 0.4%		281.26	NEW 45.0m 525mm RCP 100-D STORM SEWER @ 0.3%		281.10	NEW 90.0m 525mm RCP 100-D STORM SEWER @ 0.3%	
EXISTING SANITARY SEWER INVERT	279.42	EXISTING 90.1m 300mm SANITARY SEWER @ 0.3%		279.68	EXISTING 51.9m 300mm SANITARY SEWER @ 0.3%		279.91	EXISTING 51.9m 300mm SANITARY SEWER @ 0.3%	

- NOTES:**
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 - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



BENCHMARK:
 TBM #3: NAIL ON TOP NUT OF FIRE HYDRANT IN FRONT OF 100 KING ST. ELEV. 284.95m
 TBM #4: CUT CROSS WEST END OF SIDEWALK AT STORM WATER POND ACCESS. ELEV 284.04m

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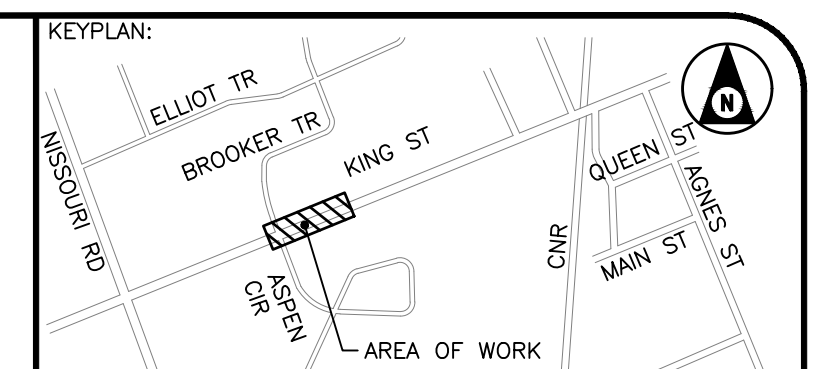
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1	JA	2026/05/01	ISSUED FOR TENDER



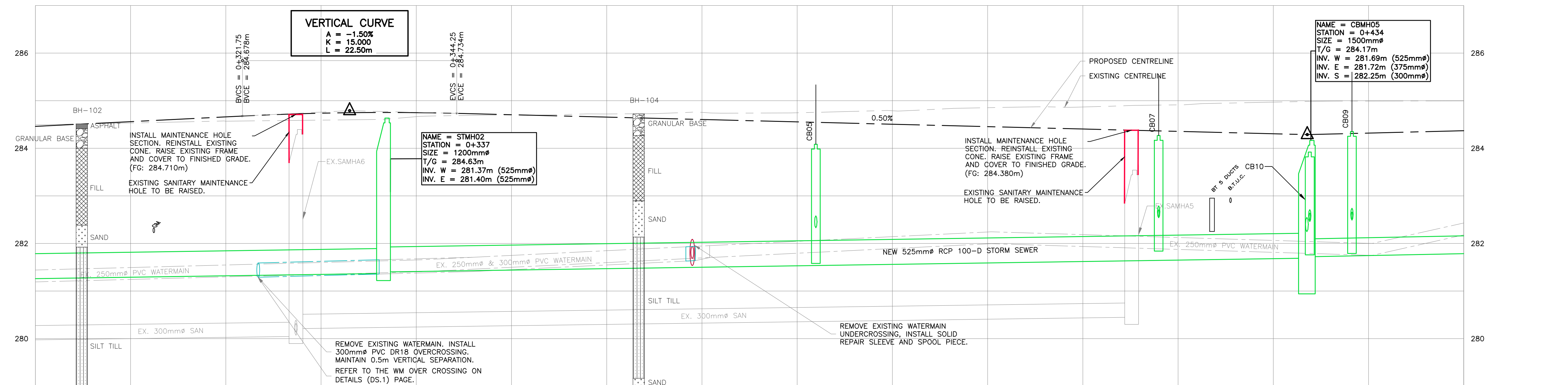
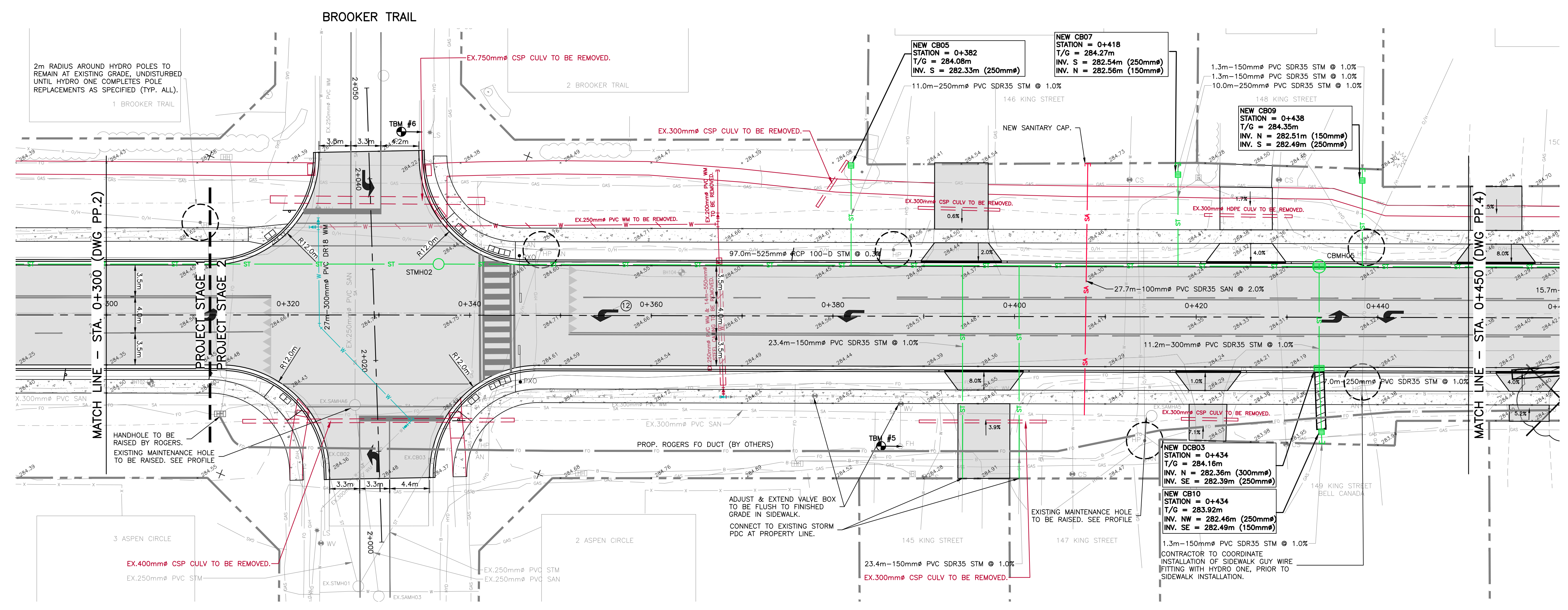
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CLIENT REF: TC-006-26
TITLE:

PLAN AND PROFILE
 STA. 0+150 TO STA. 0+300

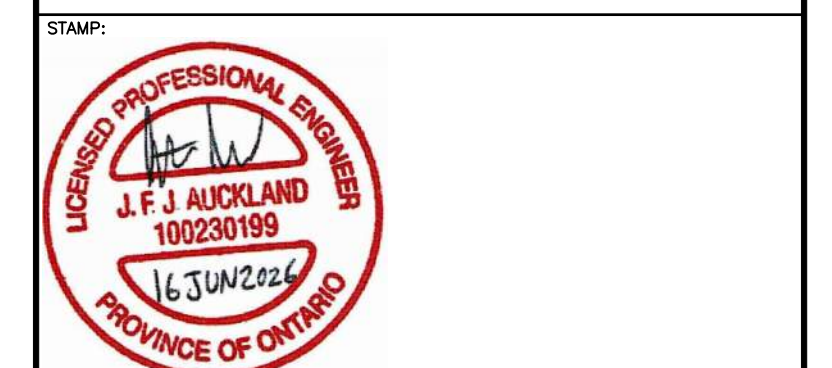
PROJECT NO: 24-2031	SCALE: 1:250	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	
DRAWING NO:	PP.2		SHEET #: 6 of 18



- NOTES:**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
 - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
 - CURB STOPS FOR THE WATER SERVICE CONNECTIONS ARE TO BE LOCATED AT THE PROPERTY LINE UNLESS INDICATED OTHERWISE. EXISTING SERVICE CONNECTIONS ARE TO BE RECONFIGURED AS REQUIRED.
 - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
 - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.



STATION	EXISTING CENTERLINE GRADE	NEW TOP OF WATERMAIN	STORM SEWER INVERT	EXISTING SANITARY SEWER INVERT
0+300	284.49	281.44	281.10	279.91
0+320	284.66	281.55	NEW 90.0m 525mm RCP 100-D STORM SEWER @ 0.3%	EXISTING 51.9m 300mm SANITARY SEWER @ 0.3%
0+340	284.75	281.65	281.37	280.05
0+360	284.66	281.85	281.40	280.21
0+380	284.56	282.04	NEW 97.0m 525mm RCP 100-D STORM SEWER @ 0.3%	EXISTING 87.7m 300mm SANITARY SEWER @ 0.3%
0+400	284.46	282.24	281.69	280.45
0+420	284.36	282.12	281.72	
0+440	284.32	282.00	NEW 70.2m 375mm PVC SDR35 STORM SEWER @ 0.4%	
0+450	284.37	282.43	282.00	EXISTING SANITARY SEWER INVERT



BENCHMARK:
 TBM #5: NAIL ON TOP NUT OF FIRE HYDRANT IN FRONT OF 145 KING ST. ELEV: 284.56m
 TBM #6: CUT CROSS EAST SIDE CURB OF BROOKER TRAIL NORTH OF KING ST. ELEV 284.26m

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NO.	BY	DATE	ISSUE / REVISION
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

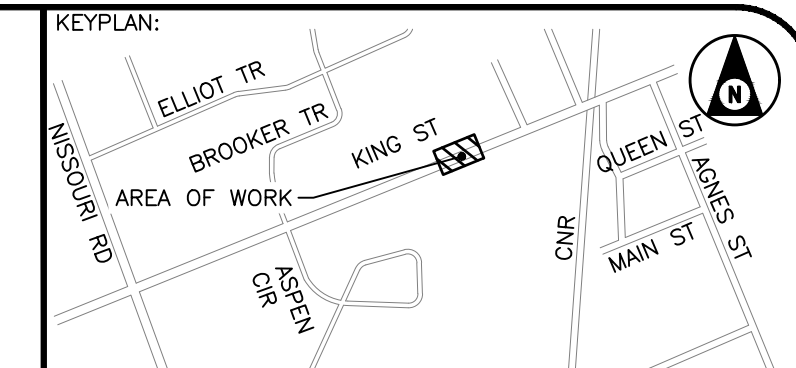
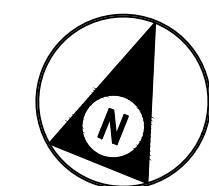


PROJECT NAME:
 KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

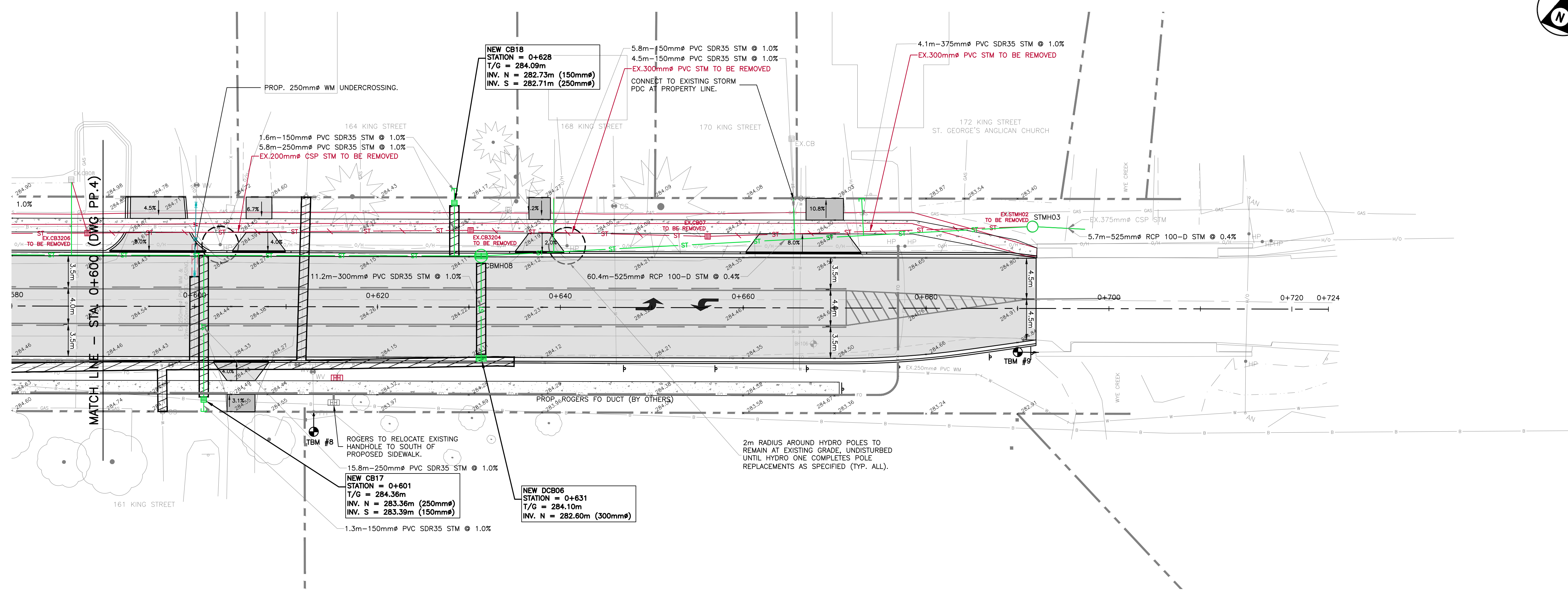
CLIENT REF: TC-006-26

TITLE:
 PLAN AND PROFILE
 STA. 0+300 TO STA. 0+450

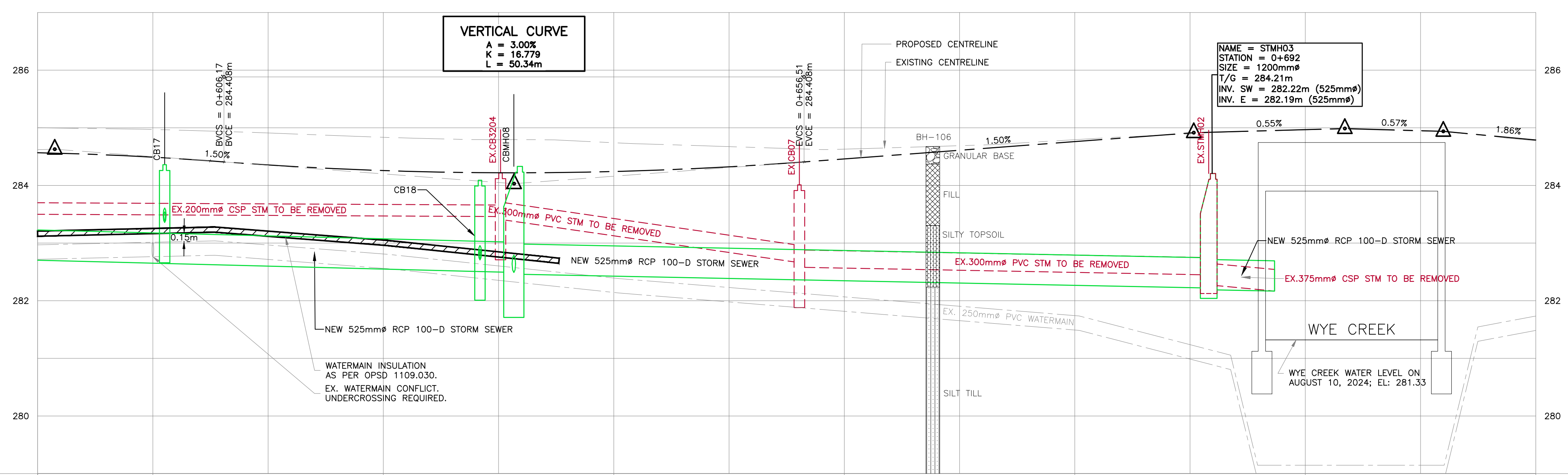
PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
24-2031	1:250	30/05/2025	
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
JA	MA	AT	
DRAWING NO:	PP.3		SHEET #: 7 of 18



- NOTES:**
- SERVICE CONNECTION LOCATIONS AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL CONNECTION LOCATIONS.
 - CONTRACTOR TO COORDINATE THIRD PARTY SUPPORT OF ALL UTILITIES AND UTILITY POLES ADJACENT TO THE AREA OF WORK.
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 - PROVIDE TREE PROTECTION ZONES AS SPECIFIED AND AS DETAILED IN THE ARBORIST REPORT APPENDED TO THE SPECIFICATION.
 - PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AS SPECIFIED THROUGHOUT CONSTRUCTION.
 - CONTRACTOR TO TAKE CARE REMOVING AND PLACING PAVEMENT STRUCTURE AT BRIDGE INTERFACE WITHOUT DAMAGING OR IMPACTING BRIDGE STRUCTURE.



KING ST



BENCHMARK:
 TBM #7: NAIL ON TOP NUT OF FIRE HYDRANT IN FRONT OF 161 KING ST. ELEV. 285.31m
 TBM #8: CUT CROSS SW CORNER OF WYE CREEK BRIDGE. ELEV 285.03m

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NO.	BY	DATE	ISSUE / REVISION
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER



PROJECT NAME:
 KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

TITLE:
 PLAN AND PROFILE
 STA. 0+600 TO STA. 0+720

PROJECT NO: 24-2031
SCALE: 1:250
DATE: 30/05/2025
DESIGNED BY: JA
DRAWN BY: MA
CHECKED BY: AT
DRAWING NO: PP.5

IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.

SHEET #: 9 of 18

STATION	EXISTING FINISHED CENTERLINE GRADE	NEW TOP OF WATERMAIN	EXISTING STORM SEWER INVERT	STORM SEWER INVERT	EXISTING SANITARY SEWER INVERT	STATION	EXISTING FINISHED CENTERLINE GRADE	NEW TOP OF WATERMAIN	EXISTING STORM SEWER INVERT	STORM SEWER INVERT	EXISTING SANITARY SEWER INVERT
0+600	284.57	282.97	283.50	282.85		0+620	284.26	282.81	283.46	282.49	
0+640	284.24	282.39	282.94	282.85		0+660	284.76	282.07	282.26	282.19	
0+680	284.76	281.74	282.54	282.22		0+700	284.97	279.15	282.17	282.17	
0+720	284.79	281.73	282.22	282.22							

CONTRACTOR TO SUPPLY AND APPLY TEMPORARY PAINT LINES, STOP BARS, AND TURN SYMBOLS AT APPROACHES TO NISSOURI ROAD INTERSECTION IMMEDIATELY FOLLOWING INSTALLATION OF BASE COURSE ASPHALT.

NEW END OF SIDEWALK SIGN TO BE AODA COMPLIANT.

CONTRACTOR TO SUPPLY AND APPLY TEMPORARY PAINT LINES, STOP BARS, AND TURN SYMBOLS AT APPROACHES TO NISSOURI ROAD INTERSECTION IMMEDIATELY FOLLOWING INSTALLATION OF BASE COURSE ASPHALT.

16794 THORNDALE ROAD

90 KING STREET

MATCH LINE - STA. 0+150 (DWG LP.1)

16783 THORNDALE ROAD
TRS COMPONENTS LTD.
CONTRACTOR TO SUPPLY AND APPLY TEMPORARY PAINT LINES, STOP BARS, AND TURN SYMBOLS AT APPROACHES TO NISSOURI ROAD INTERSECTION IMMEDIATELY FOLLOWING INSTALLATION OF BASE COURSE ASPHALT.

NEW END OF SIDEWALK SIGN TO BE AODA COMPLIANT.

21778 NISSOURI ROAD

NISSOURI ROAD

KING ST

MATCH LINE - STA. 0+150 (DWG LP.1)

MATCH LINE - STA. 0+300 (DWG LP.2)

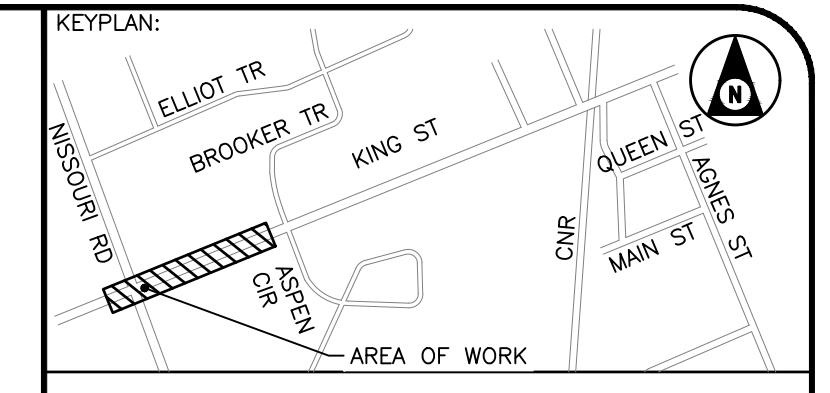
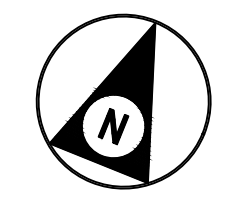
100 KING STREET
THORNDALE DENTAL CENTRE

STORMWATER MANAGEMENT POND

105 KING STREET

PETERSSON DRAIN EASEMENT

KING ST



NOTES:

PAVEMENT MARKING LEGEND

1	SOLID YELLOW, 10cm
2	SOLID DOUBLE YELLOW, 10cm
3	SOLID/BROKEN YELLOW, 10cm (BROKEN LEFT)
4	SOLID/BROKEN YELLOW, 10cm (BROKEN RIGHT)
5	BROKEN YELLOW, 10cm
6	SOLID WHITE, 10cm
7	BROKEN WHITE, 10cm
8	SOLID WHITE, 60cm
9	ZEBRA CROSSWALK MARKING
10	TRAFFIC ISLAND
11	SHARK TOOTH MARKINGS
12	LEFT TURN ARROW

STAMP:



BENCHMARK:

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2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

NO. BY DATE ISSUE / REVISION



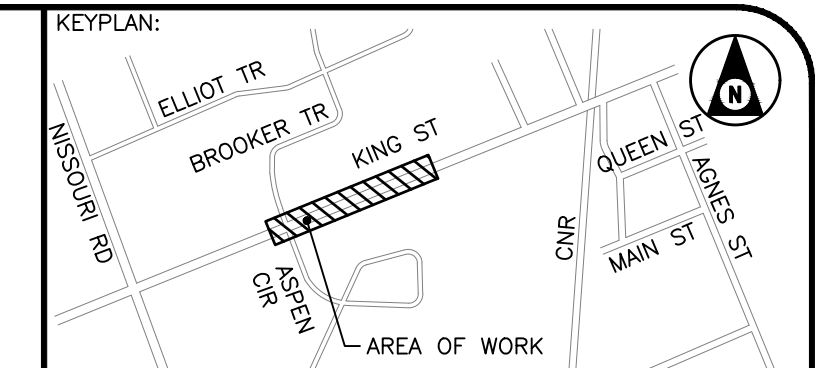
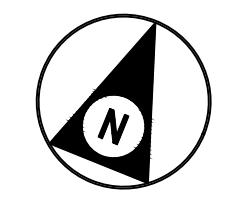
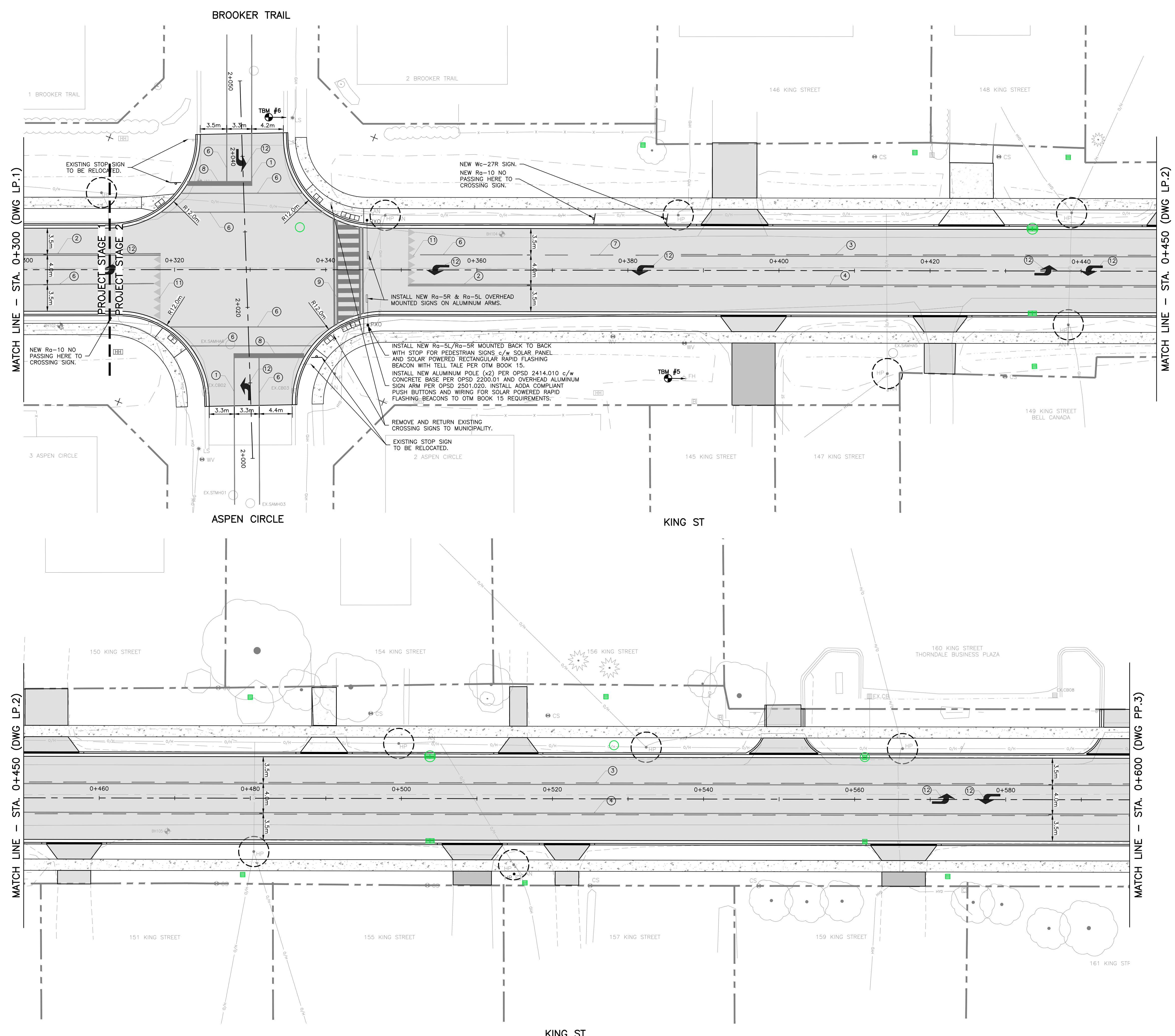
PROJECT NAME:
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

TITLE:
**SIGNAGE & LINE PAINTING PLAN
STA. 0+000 TO STA. 0+300**

PROJECT NO: 24-2031	SCALE: 1:250	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	

DRAWING No: LP.1 SHEET #: 10 of 18



NOTES:

PAVEMENT MARKING LEGEND

1	SOLID YELLOW, 10cm
2	SOLID DOUBLE YELLOW, 10cm
3	SOLID/BROKEN YELLOW, 10cm (BROKEN LEFT)
4	SOLID/BROKEN YELLOW, 10cm (BROKEN RIGHT)
5	BROKEN YELLOW, 10cm
6	SOLID WHITE, 10cm
7	BROKEN WHITE, 10cm
8	SOLID WHITE, 60cm
9	ZEBRA CROSSWALK MARKING
10	TRAFFIC ISLAND
11	SHARK TOOTH MARKINGS
12	LEFT TURN ARROW



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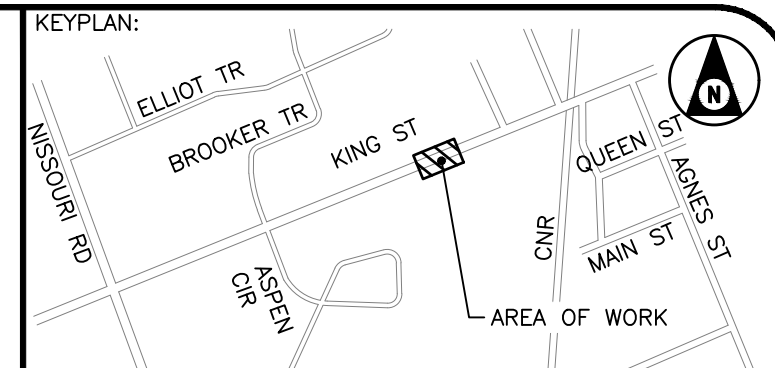
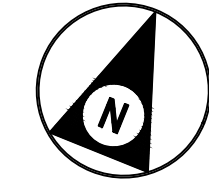
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER



PROJECT NAME:
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

TITLE:
SIGNAGE & LINE PAINTING PLAN
STA. 0+300 TO STA. 0+600

PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
24-2031	1:250	30/05/2025	
DESIGNED BY:	DRAWN BY:	CHECKED BY:	
J.A.	MA	AT	
DRAWING No:	LP.2		SHEET #:
			11 of 18

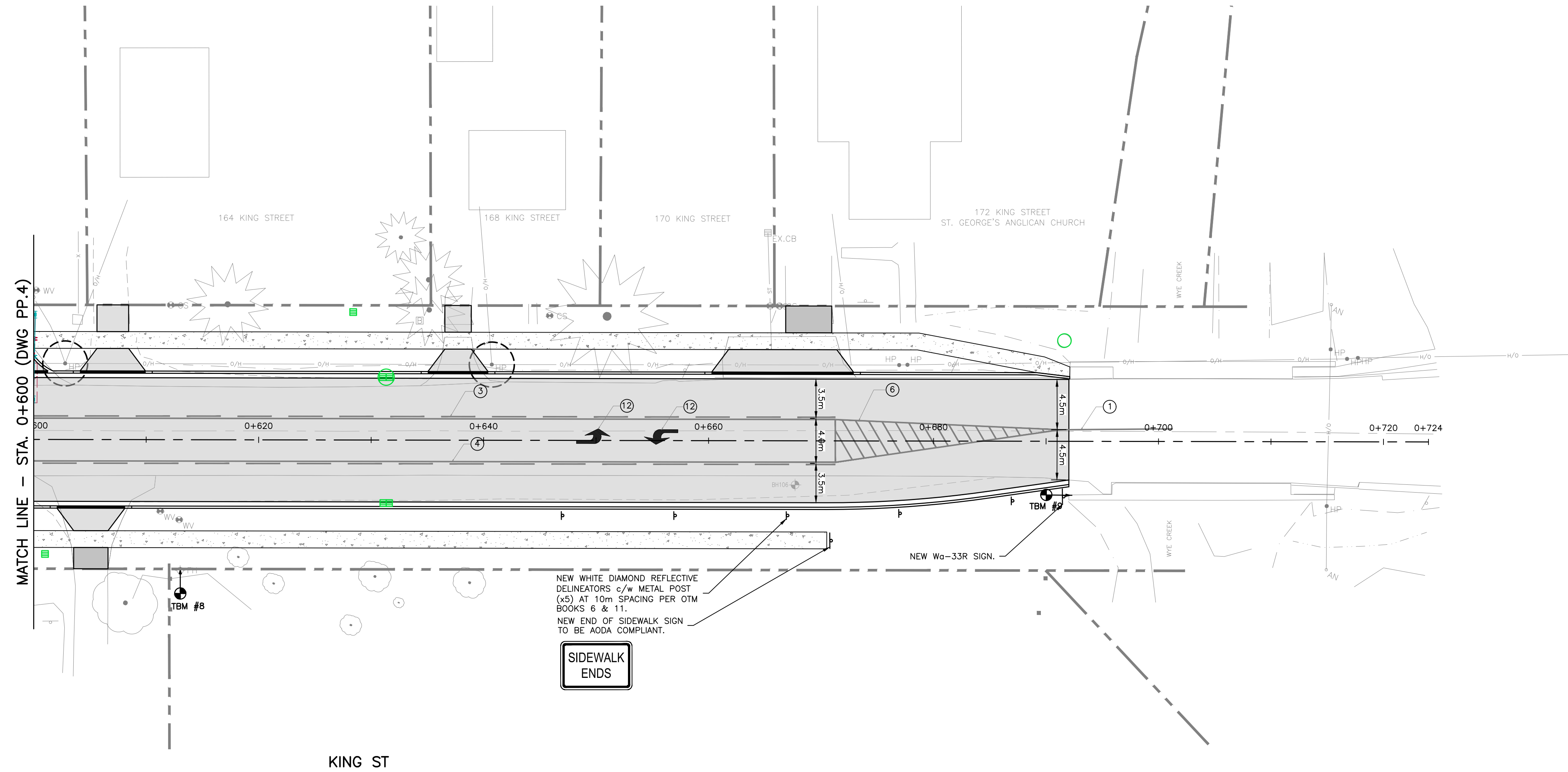


NOTES:

1. CONTRACTOR TO TAKE CARE REMOVING AND PLACING PAVEMENT STRUCTURE AT BRIDGE INTERFACE WITHOUT DAMAGING OR IMPACTING BRIDGE STRUCTURE.

PAVEMENT MARKING LEGEND

1	SOLID YELLOW, 10cm
2	SOLID DOUBLE YELLOW, 10cm
3	SOLID/BROKEN YELLOW, 10cm (BROKEN LEFT)
4	SOLID/BROKEN YELLOW, 10cm (BROKEN RIGHT)
5	BROKEN YELLOW, 10cm
6	SOLID WHITE, 10cm
7	BROKEN WHITE, 10cm
8	SOLID WHITE, 60cm
9	ZEBRA CROSSWALK MARKING
10	TRAFFIC ISLAND
11	SHARK TOOTH MARKINGS
12	LEFT TURN ARROW



STAMP:



BENCHMARK:

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1	JA	2026/05/01	ISSUED FOR TENDER



CLIENT:



PROJECT NAME:

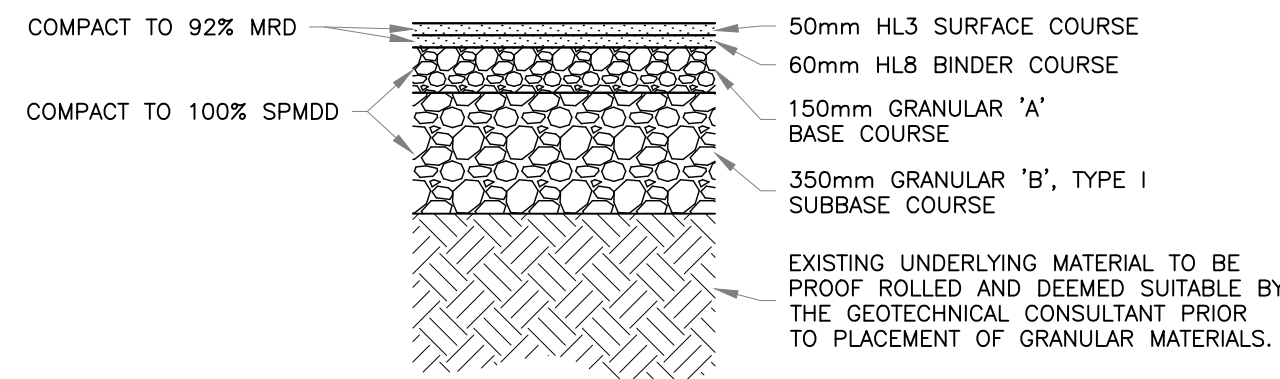
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

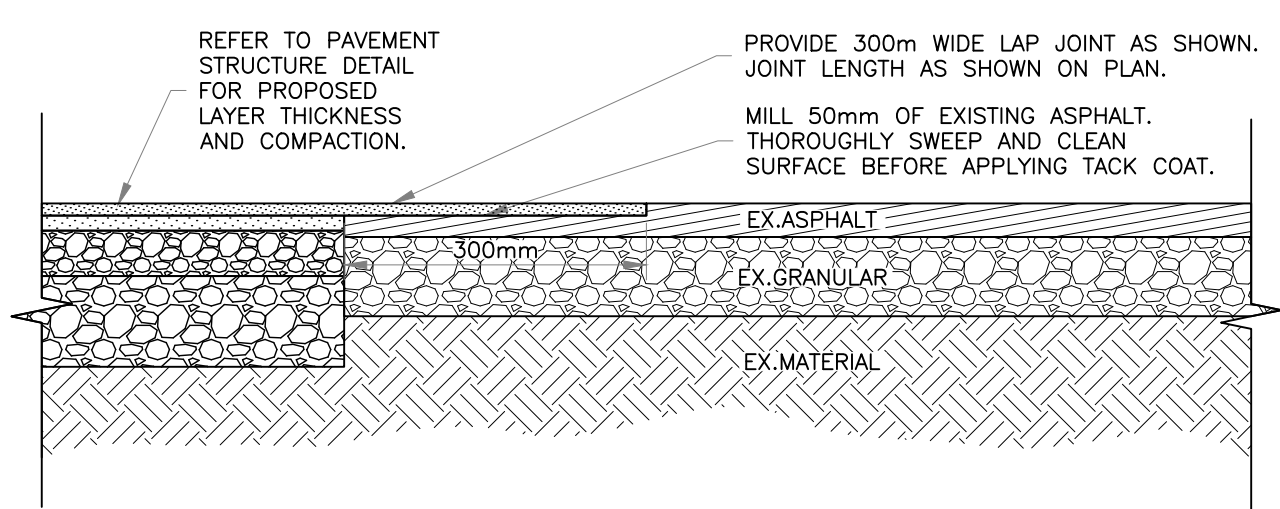
TITLE:

**SIGNAGE & LINE PAINTING PLAN
STA. 0+600 TO STA. 0+724**

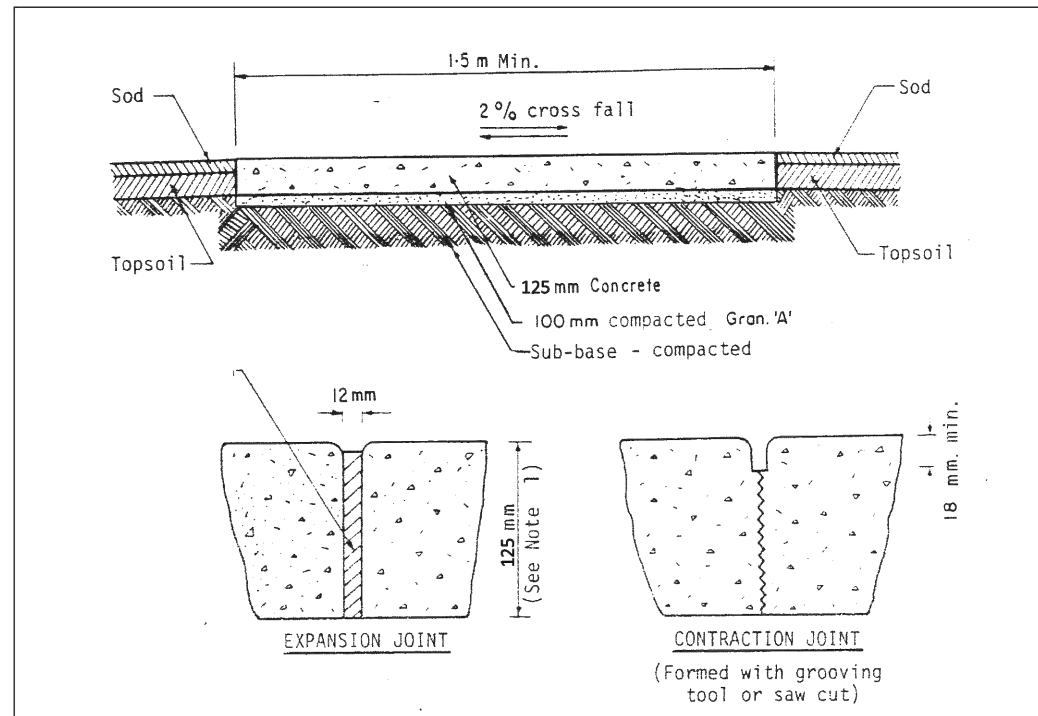
PROJECT NO: 24-2031	SCALE: 1:250	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	25mm
DRAWING No: LP.3			SHEET #: 12 of 18



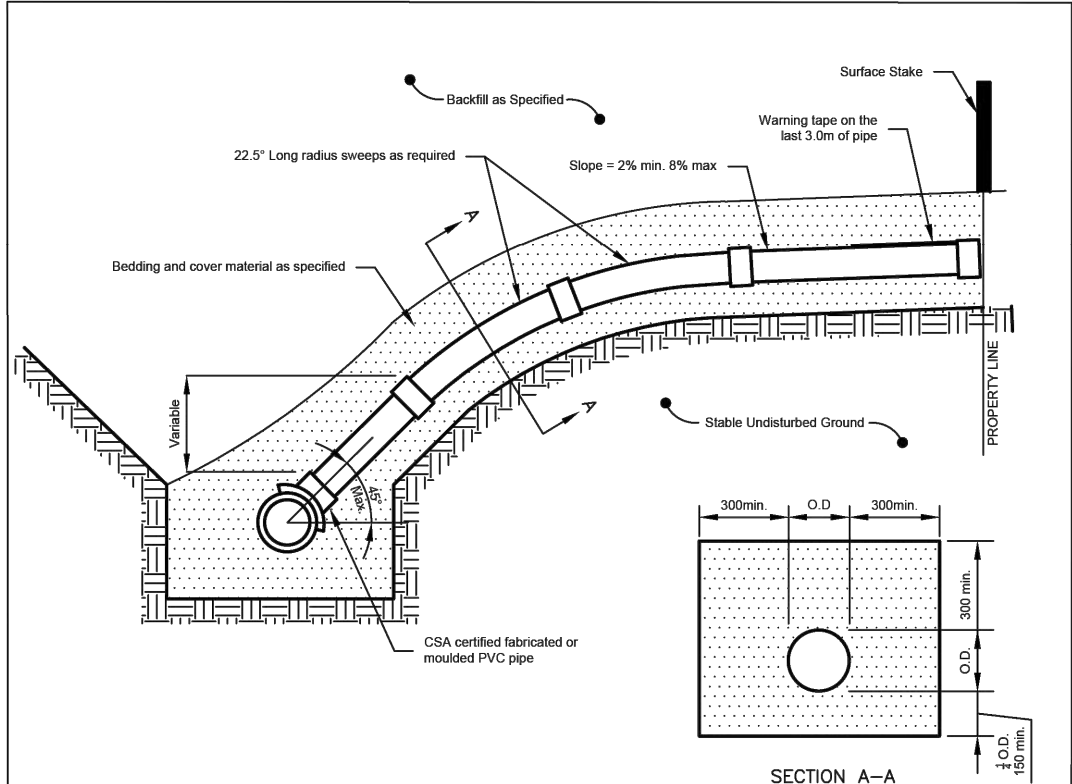
PAVEMENT STRUCTURE DETAIL
SCALE: NTS



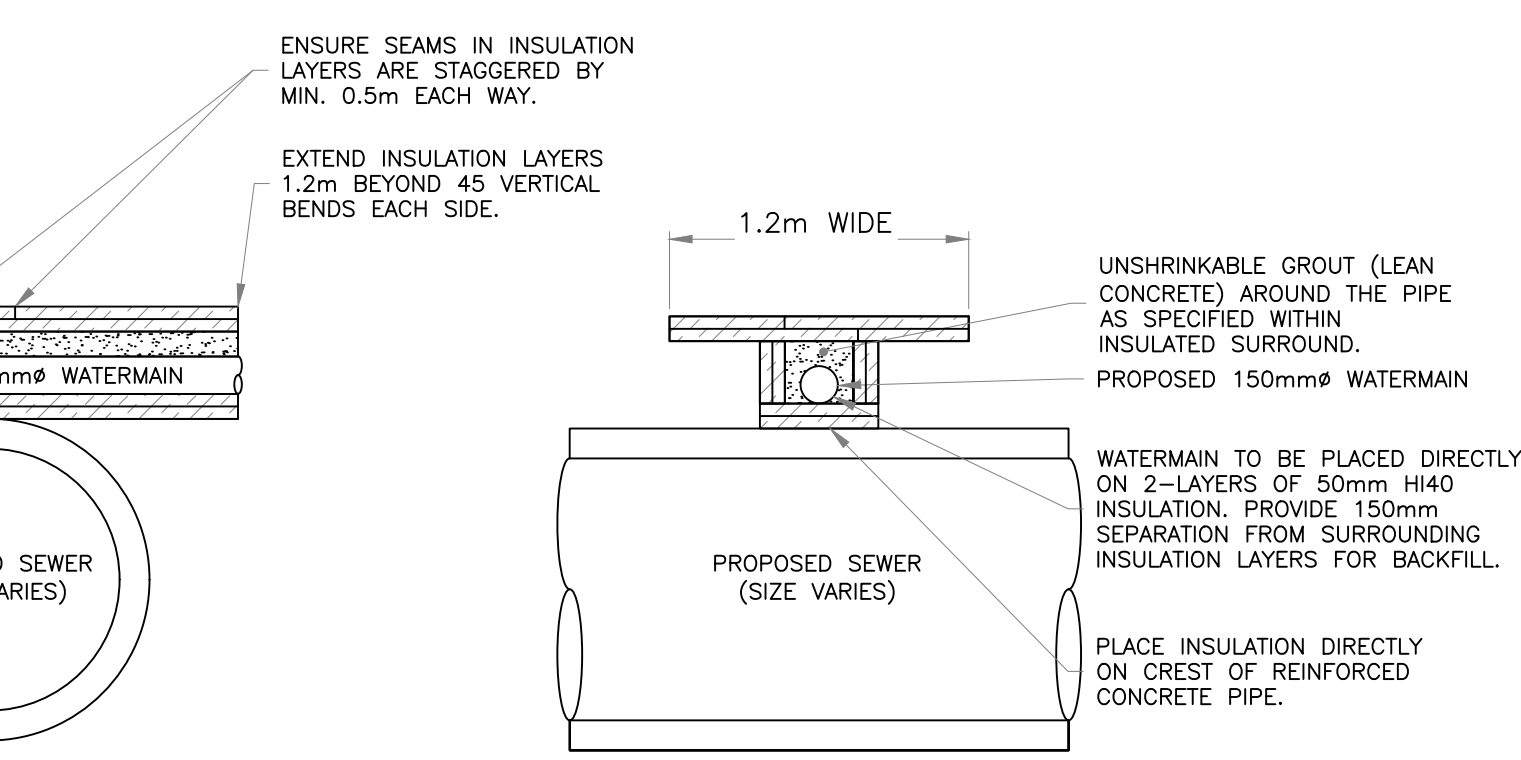
LAP JOINT DETAIL
SCALE: NTS



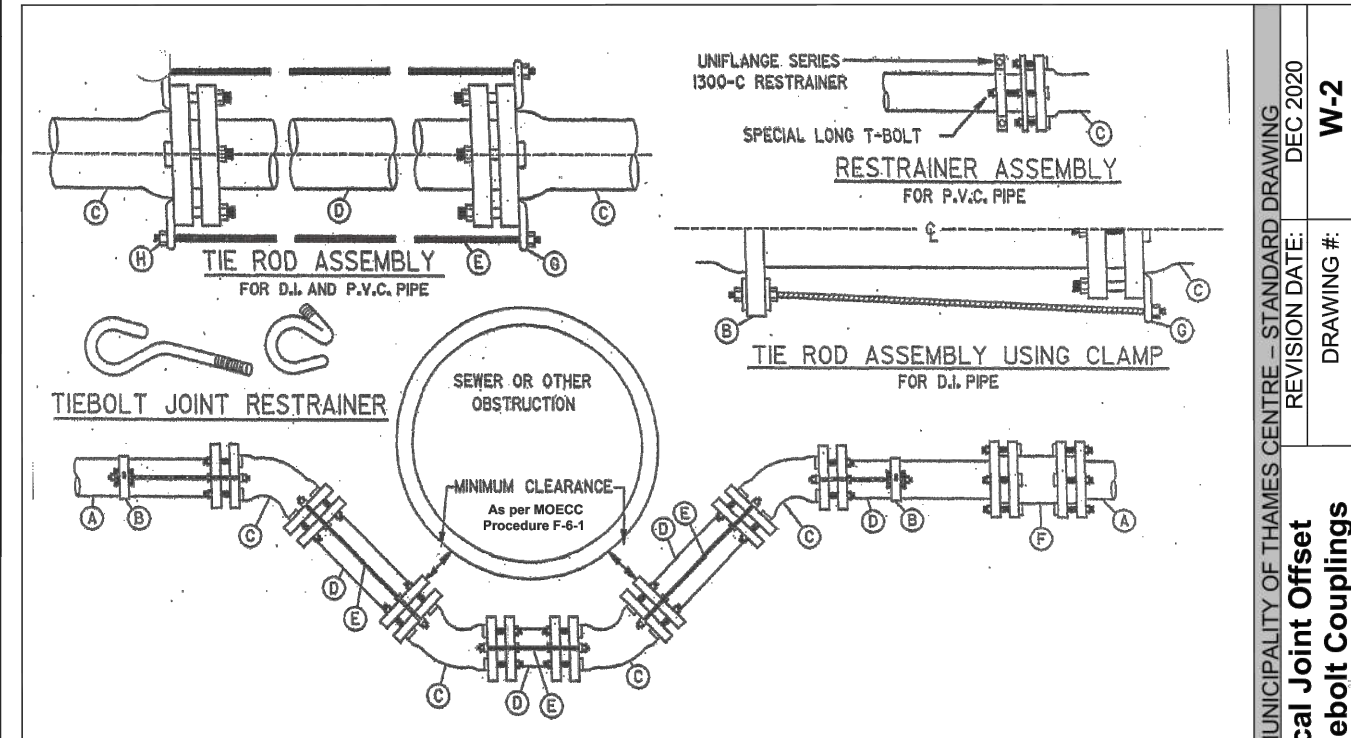
Concrete Sidewalk
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: JAN 2021
DRAWING #: R-8



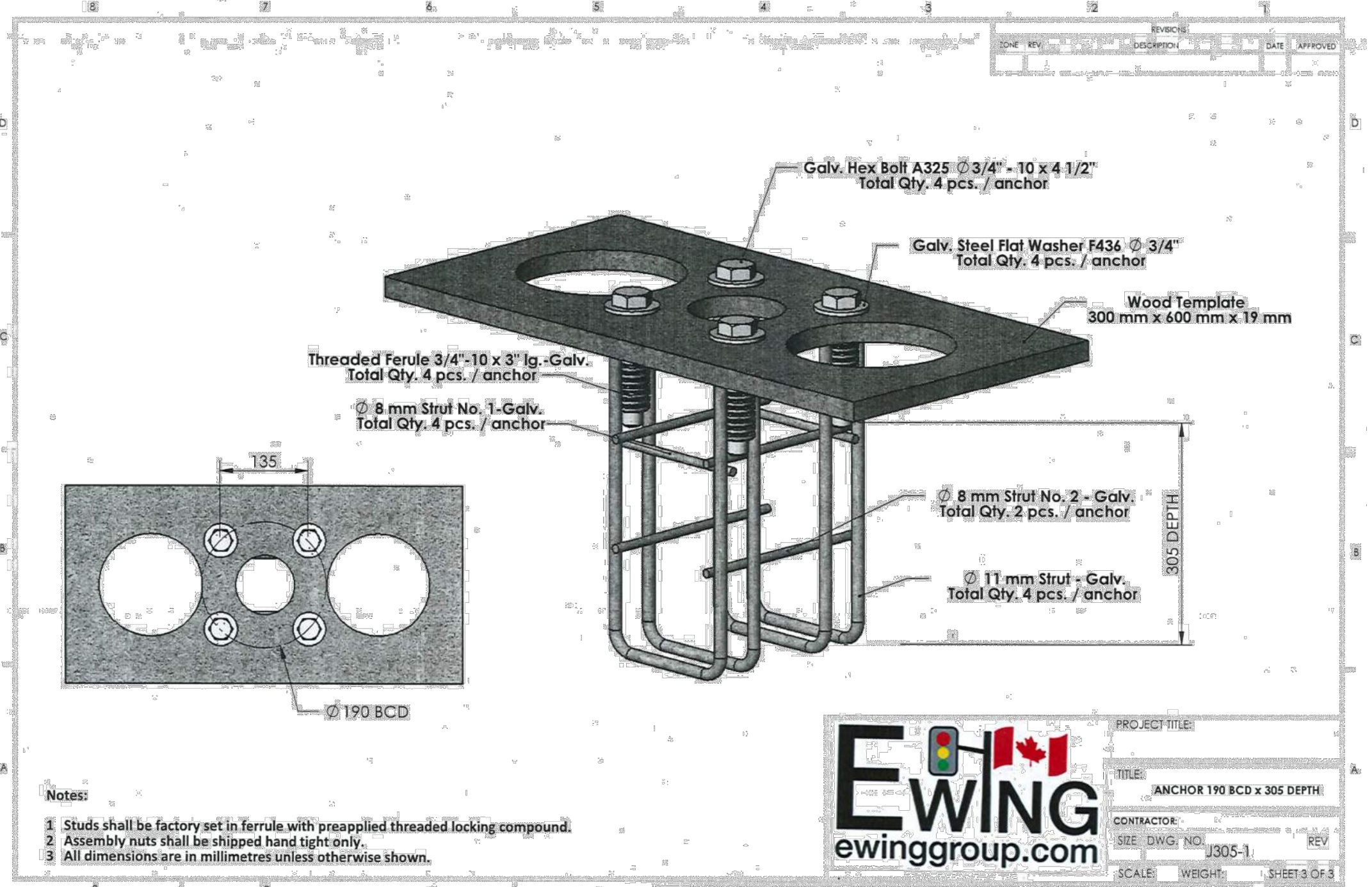
Private Drain Connection - Less than 4.5m Depth
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: JAN 2023
DRAWING #: S-10



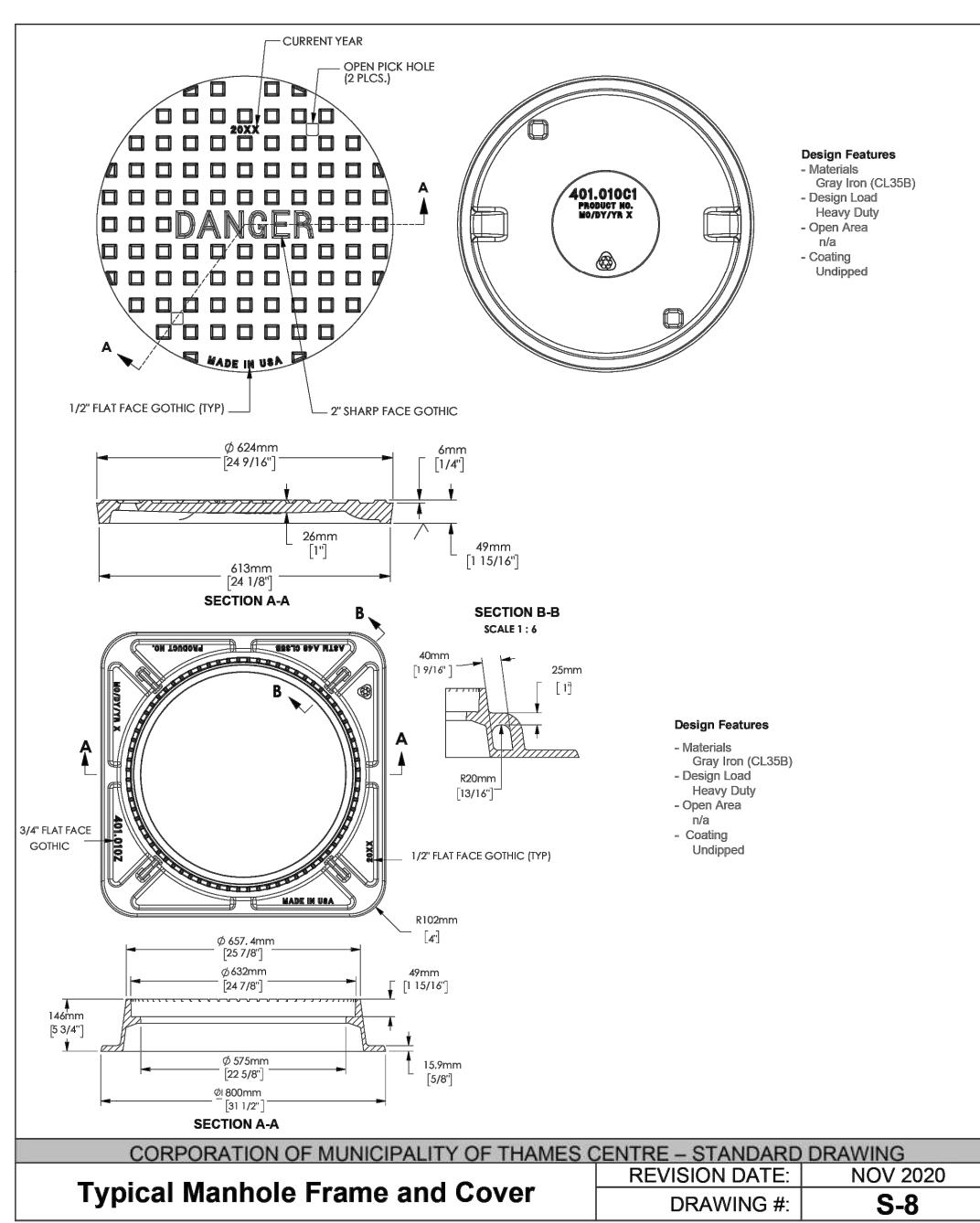
WATERMAIN OVER CROSSING INSULATION DETAIL
SCALE: NTS



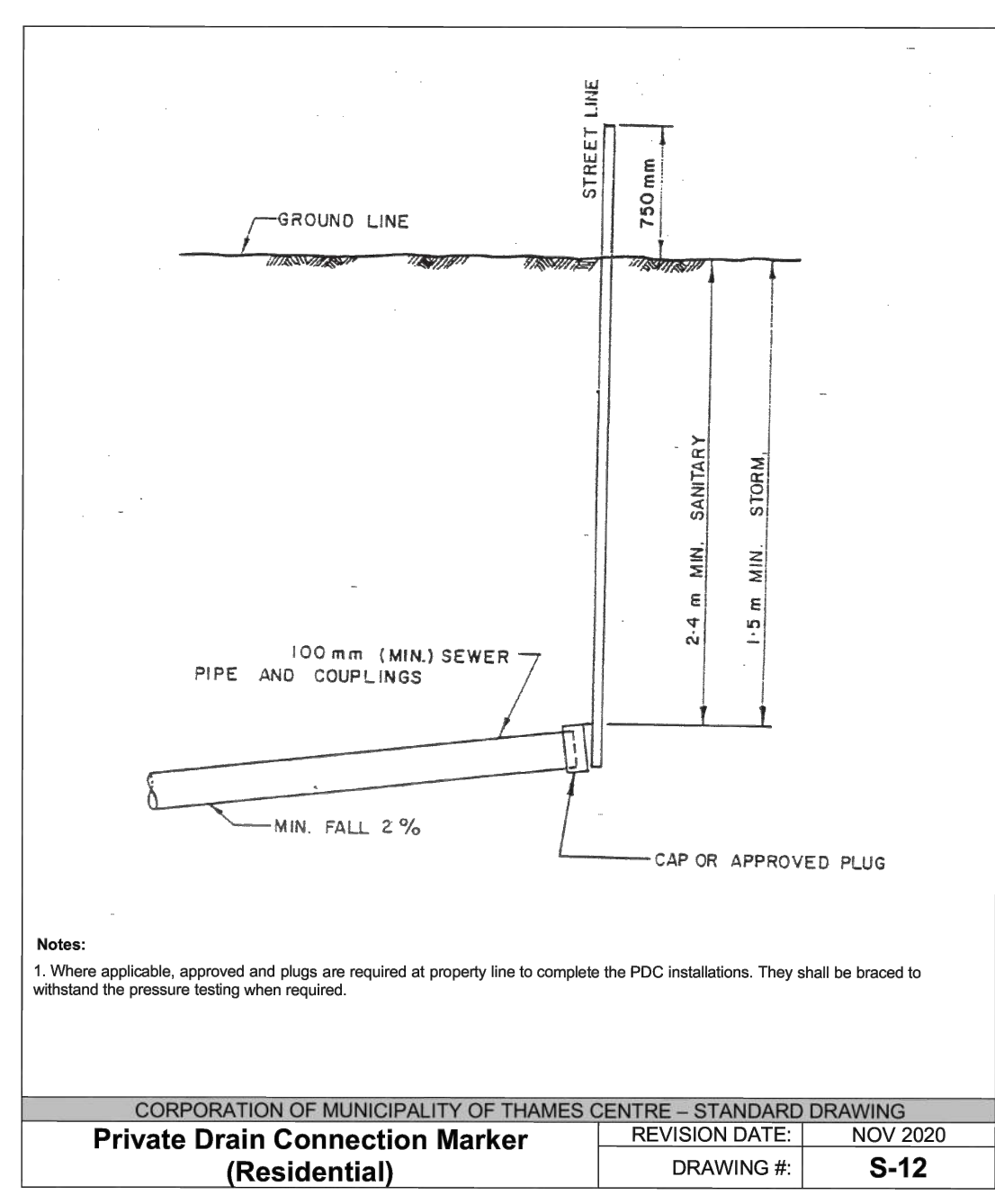
Standard Mechanical Joint Offset Installation Using Tiebolt Couplings
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: DEC 2020
DRAWING #: W-2



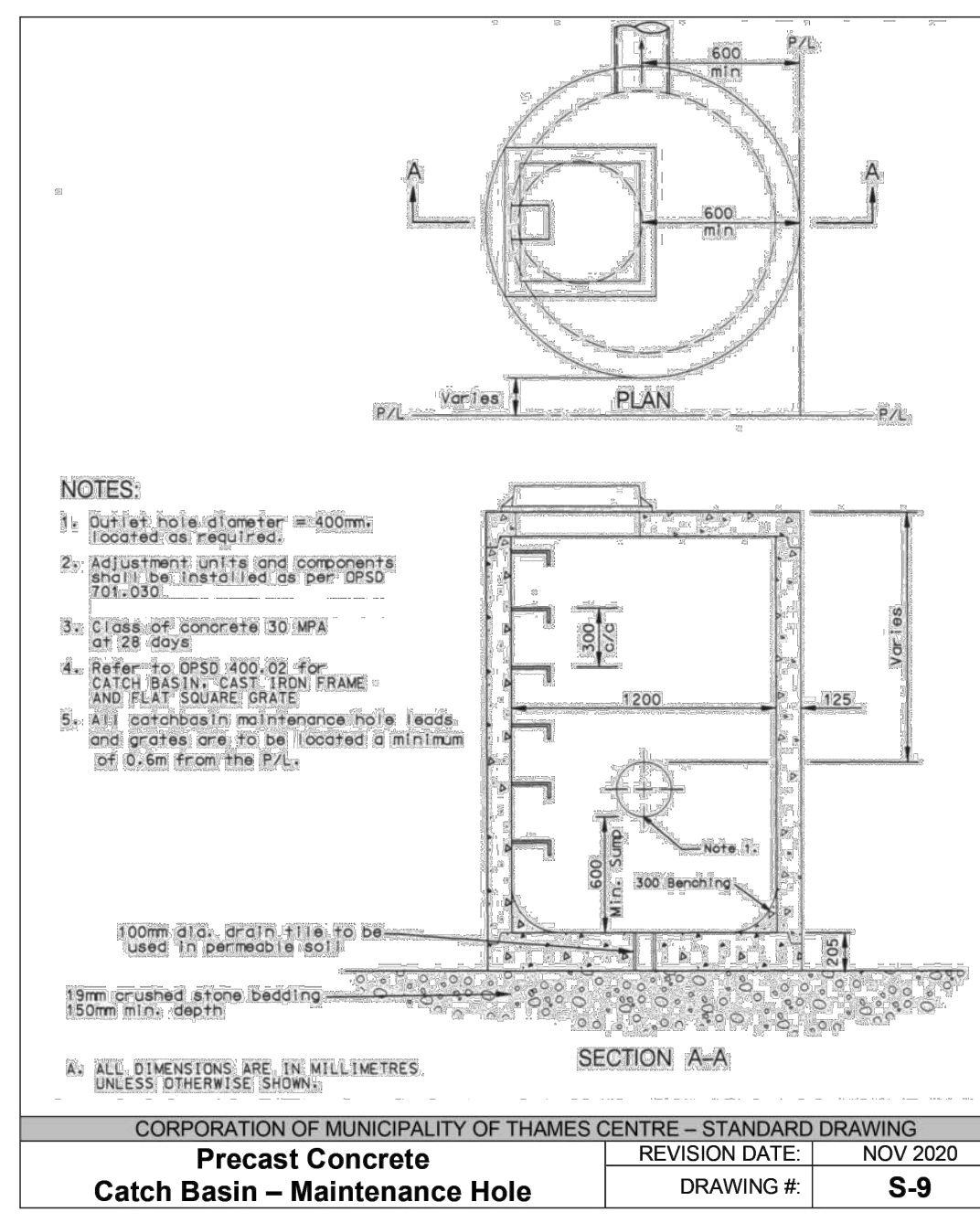
Ewing Anchor
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: DEC 2020
DRAWING #: W-3



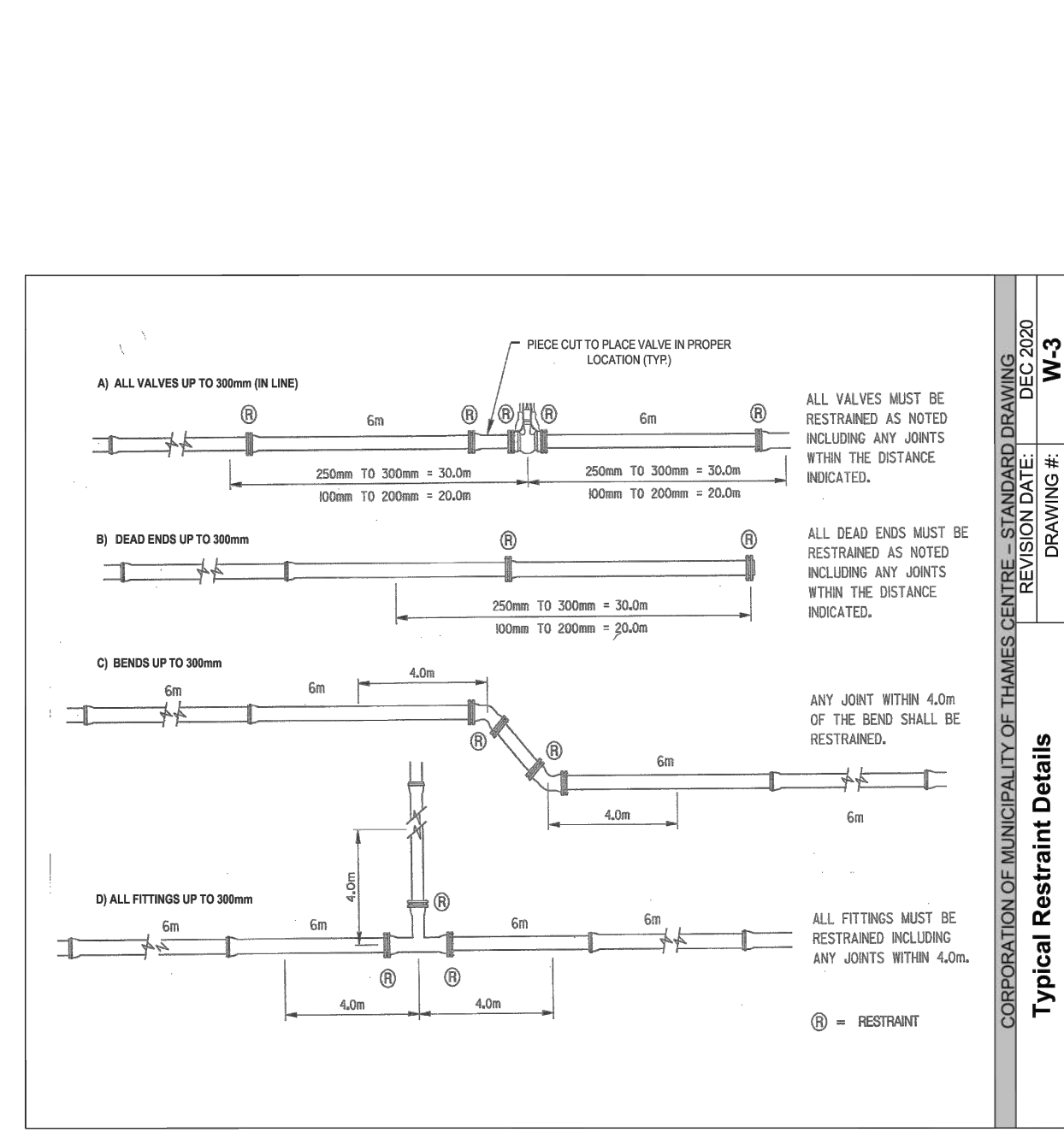
Typical Manhole Frame and Cover
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: NOV 2020
DRAWING #: S-9



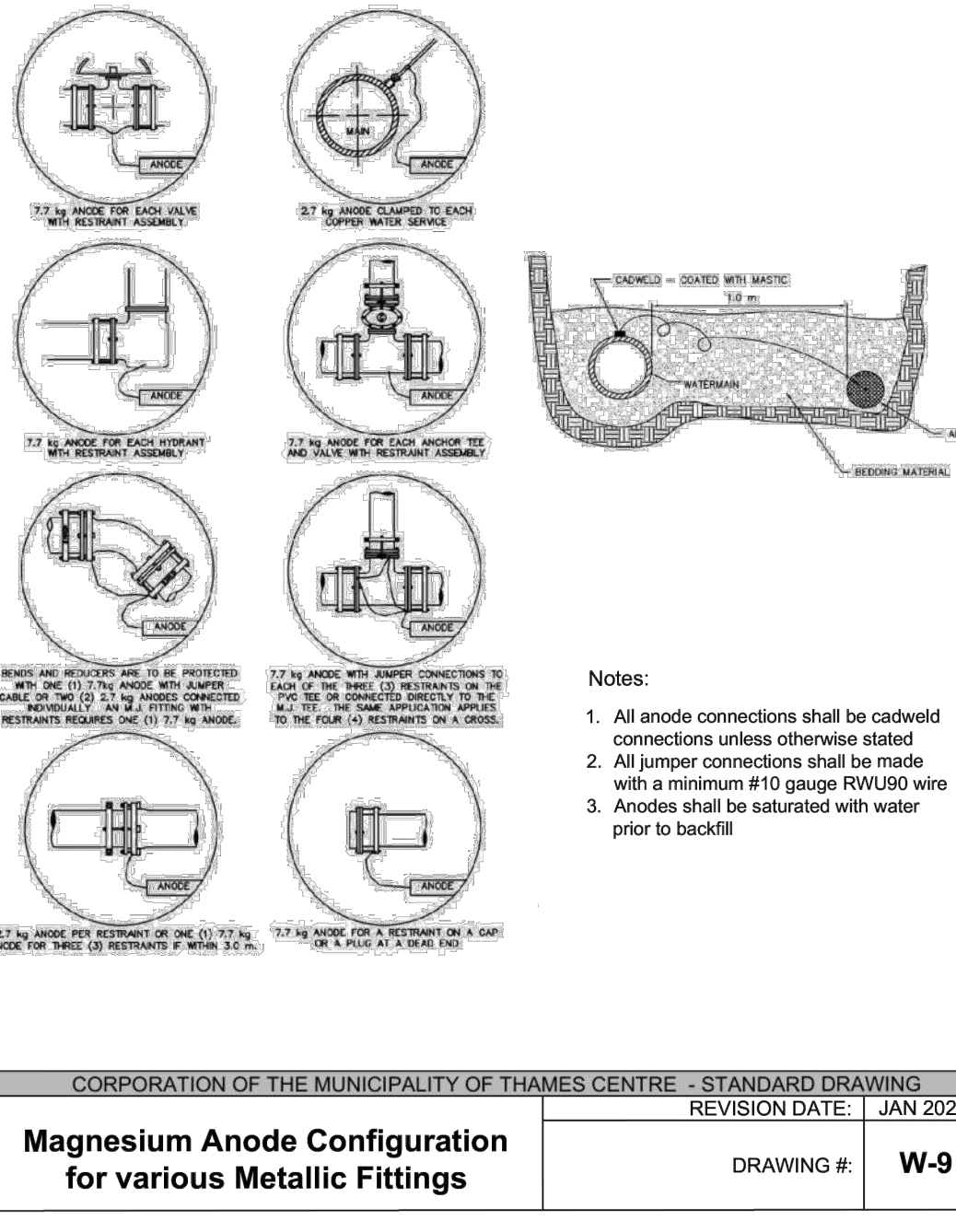
Private Drain Connection Marker (Residential)
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: NOV 2020
DRAWING #: S-12



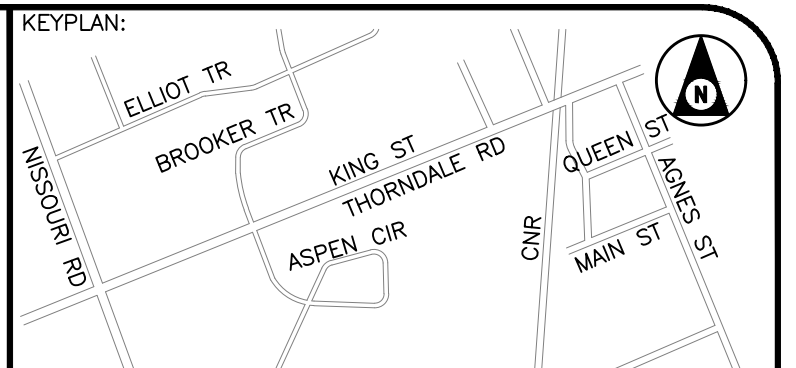
Precast Concrete Catch Basin - Maintenance Hole
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: NOV 2020
DRAWING #: S-9



Typical Restraint Details
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: DEC 2020
DRAWING #: W-3



Magnesium Anode Configuration for various Metallic Fittings
CORPORATION OF THE MUNICIPALITY OF THAMES CENTRE - STANDARD DRAWING
REVISION DATE: JAN 2023
DRAWING #: W-9



STAMP: **PROFESSIONAL ENGINEER**
J.F.J. AUCKLAND
109230199
16 JUN 2024
PROVINCE OF ONTARIO

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2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

CLIENT: **WT INFRASTRUCTURE**
PRACTICAL INNOVATION

CLIENT: **Thames Centre** and **middlesex county**

PROJECT NAME: **KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION**

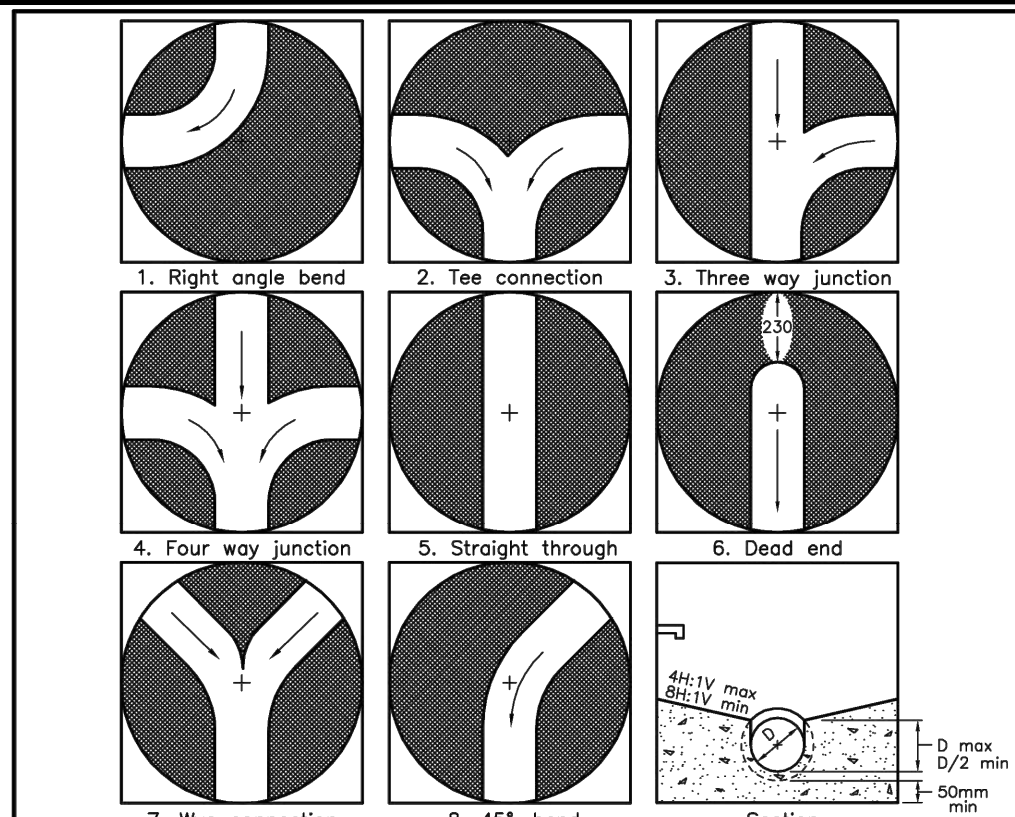
CLIENT REF: TC-006-26

TITLE: **DETAILS**

PROJECT NO.	SCALE	DATE	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
24-2031	1:250	22/04/2025	25mm

DESIGNED BY: JJA
DRAWN BY: AB
CHECKED BY: AT

DRAWING NO: DS.1
SHEET #: 13 of 15



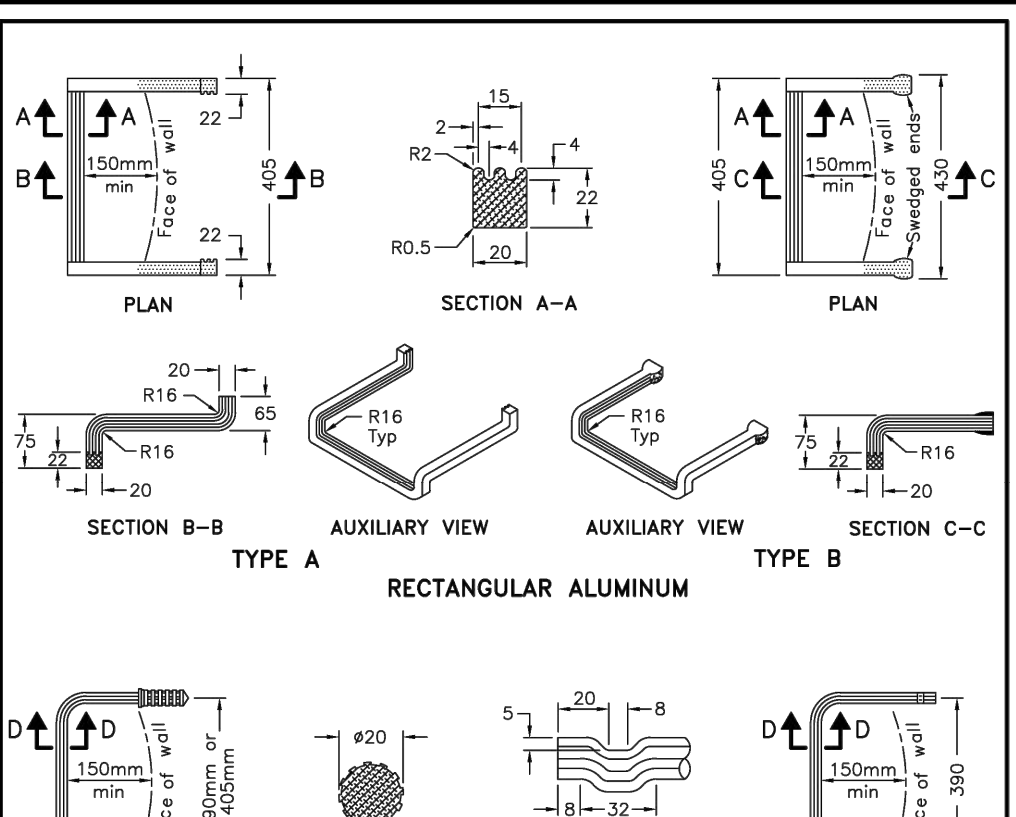
Maintenance Hole Diameter	No. 1-4	No. 5 and 6	No. 8	No. 7	Inlet Hole	Outlet Hole
1200	700	860	700	860	700	860
1500	860	1220	860	860	1170	1170
1800	1220	1485	1220	1485	1485	1485
2400	1485	2020	1760	1485	2020	2020
3000	1930	2450	2300	1930	2450	2450
3600	2470	3085	2730	2470	3085	3085

NOTES:
 1 Steps shall be maintained from the outlet hole opening for top of benching.
 A Concrete for benching shall be 30MPa.
 B When benching is hand-finished, it shall be given wood float finish, channel shall be given steel trowel finish.
 C Benchings slope and height shall be as specified.
 D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pipe, may be pre-benching at the manufacturer with standardized benching slope and channel orientation.
 E All dimensions are nominal.
 F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 4

MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES

OPSD 701.021



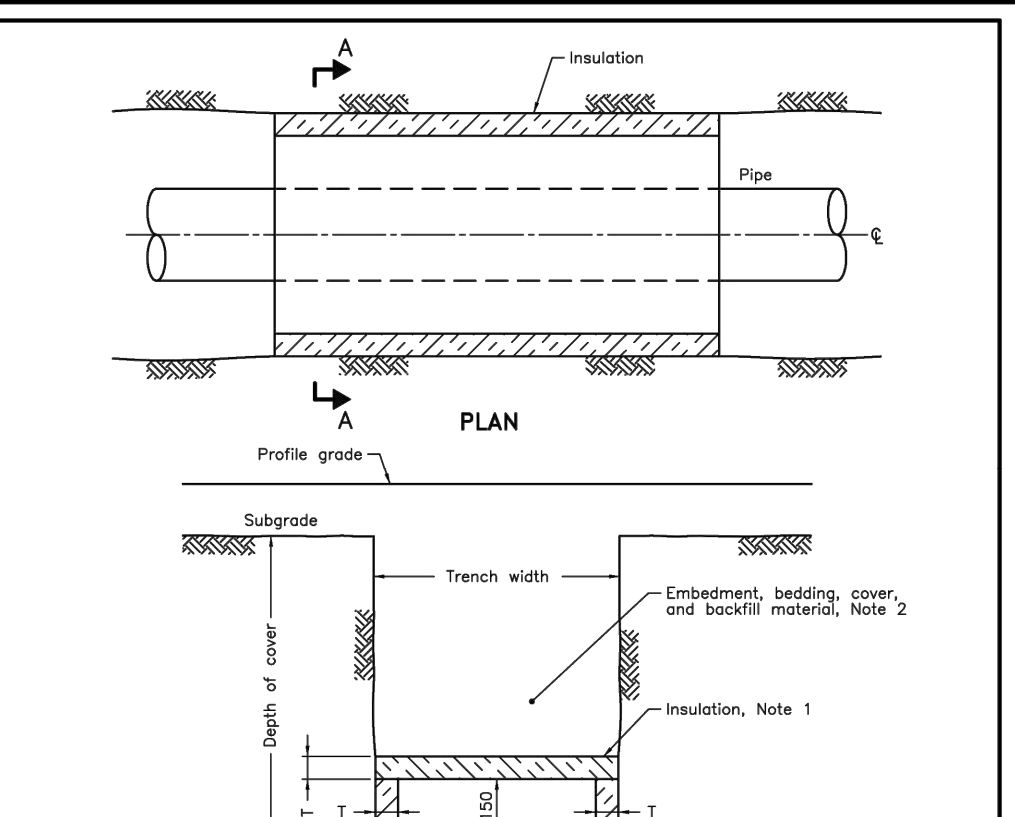
NOTES:
 A All aluminum components shall be 6000 series structural aluminum.
 B All aluminum in contact with concrete shall be thoroughly coated with asphalt paint.
 C All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 4

MAINTENANCE HOLE STEPS

SOLID

OPSD 405.020

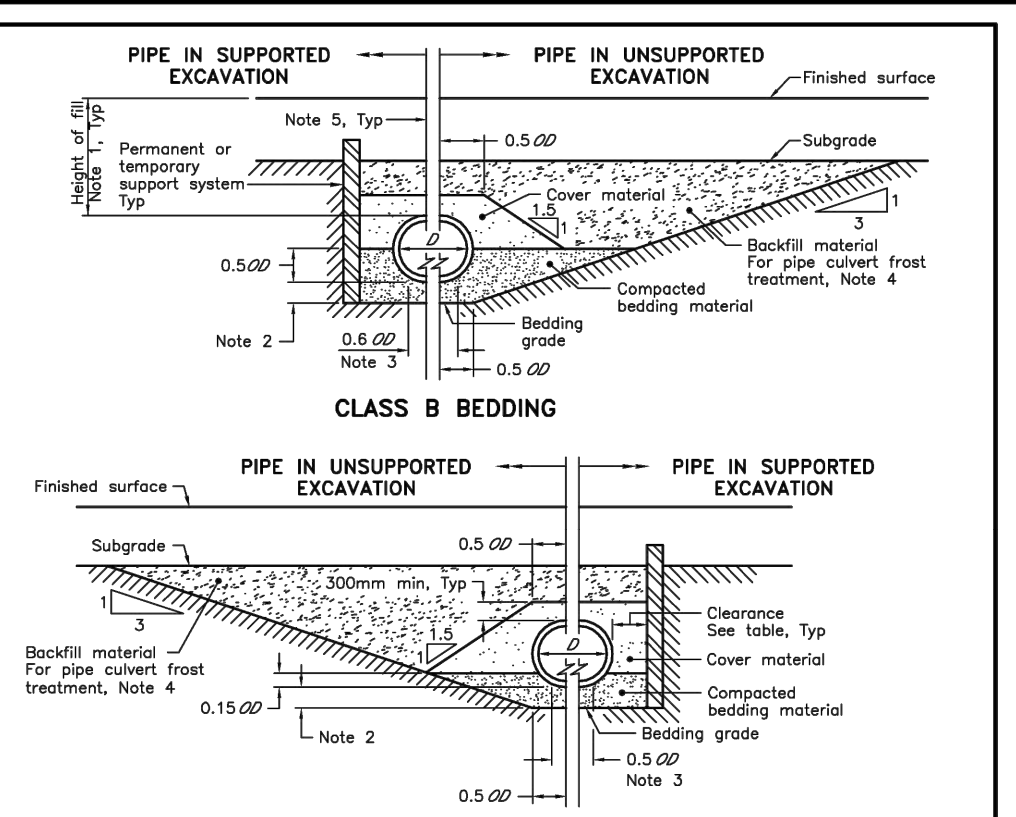


NOTES:
 1 The insulation material shall be extruded polystyrene according to OPSS 1605 with a minimum compressive strength of 275 kPa.
 2 Pipe embedment or bedding, cover, and backfill shall be according to:
 a) Flexible OPSS 802.010, 802.013, 802.020, and 802.023.
 b) Rigid - OPSS 802.030, 802.031, 802.032, 802.033, 802.050, 802.051, 802.052, and 802.053.
 A Minimum insulation thickness shall be 50mm.
 B Joints shall be staggered for multiple insulation sheets.
 C This OPSS is to be read in conjunction with OPSS 3090.100 and 3090.101.
 D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2020 Rev 1

INSULATION FOR SEWERS AND WATERMAINS IN SHALLOW TRENCHES

OPSD 1109.030



LEGEND:
 D = Inside diameter
 OD = Outside diameter

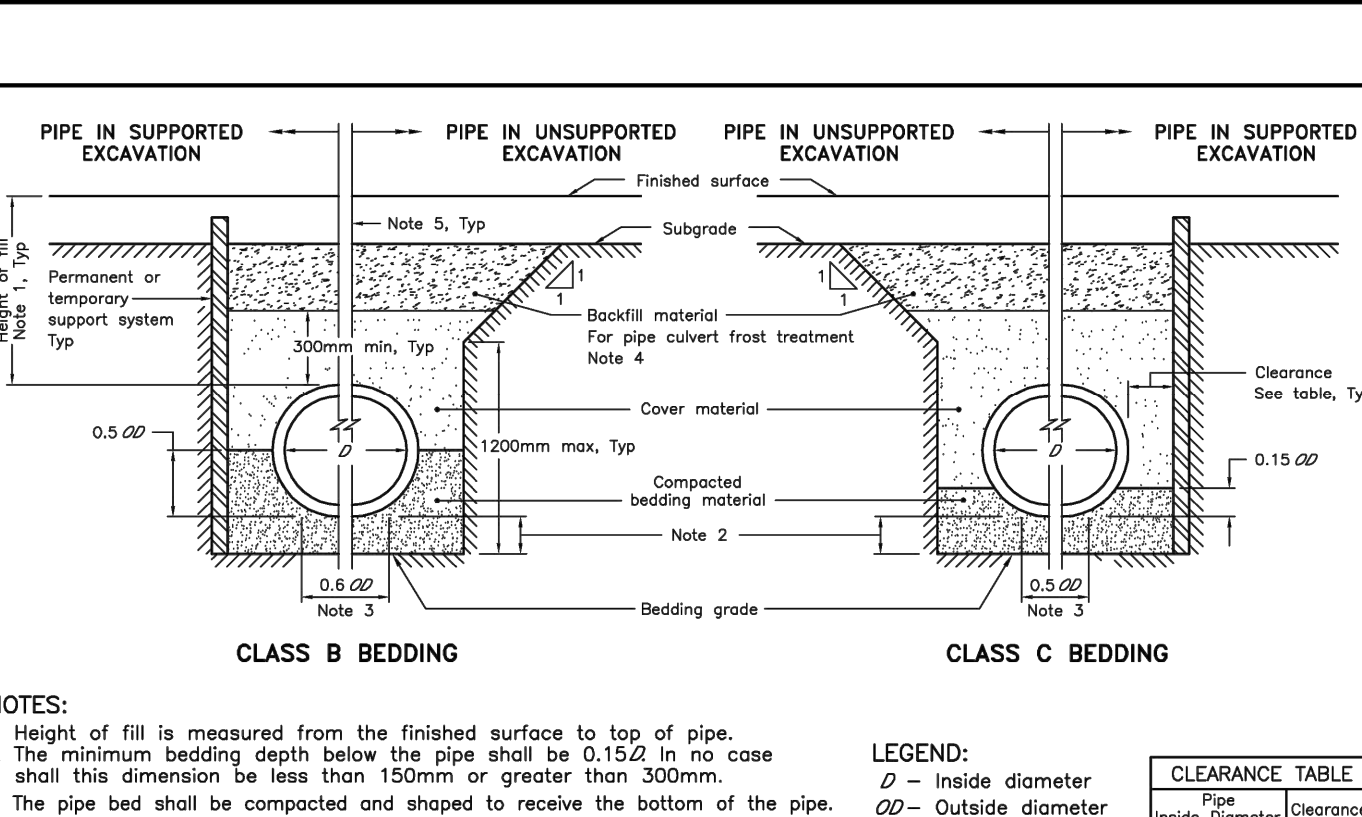
NOTES:
 1 Height of fill is measured from the finished surface to top of pipe.
 2 The minimum bedding depth below the pipe shall be 0.15D.
 3 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
 4 Pipe curv treatment shall be according to OPSS 803.030 and 803.031.
 5 Condition 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.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3

RIGID PIPE BEDDING, COVER, AND BACKFILL

TYPE 4 SOIL - EARTH EXCAVATION

OPSD 802.032



LEGEND:
 D = Inside diameter
 OD = Outside diameter

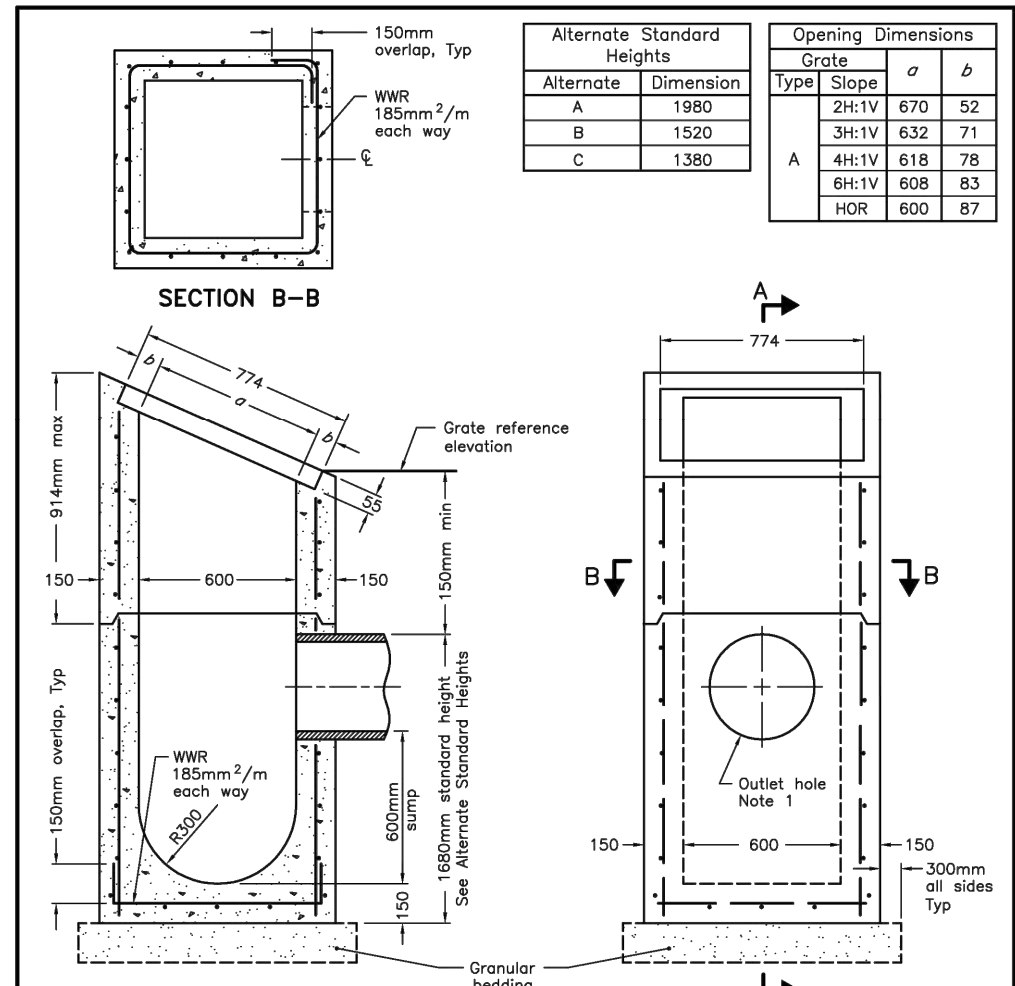
NOTES:
 1 Height of fill is measured from the finished surface to top of pipe.
 2 The minimum bedding depth below the pipe shall be 0.15D in no case shall this dimension be less than 150mm or greater than 300mm.
 3 The pipe bed shall be compacted and shaped to receive the bottom of the pipe.
 4 Pipe curv treatment shall be according to OPSS 803.030 and 803.031.
 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.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3

RIGID PIPE BEDDING, COVER, AND BACKFILL

TYPE 1 OR 2 SOIL - EARTH EXCAVATION

OPSD 802.030



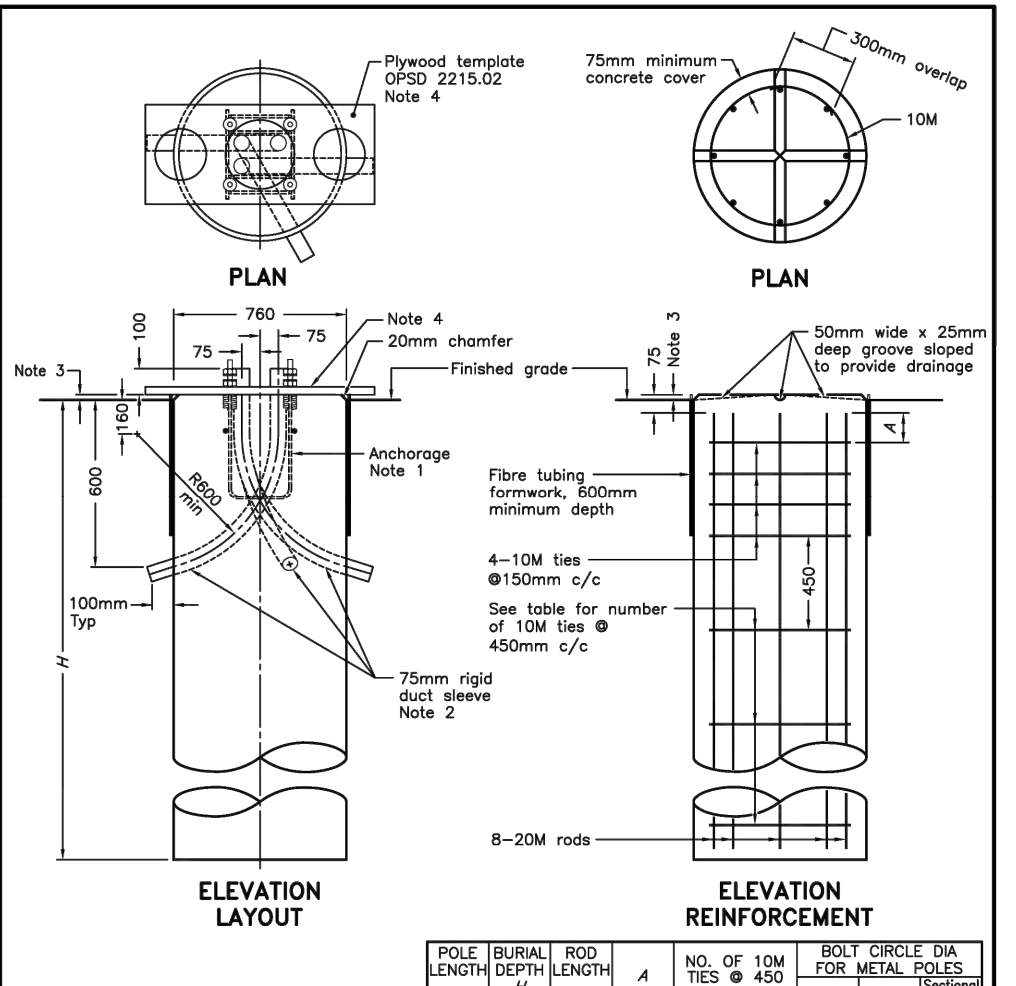
NOTES:
 1 Outlet hole size 525mm maximum diameter, location as required.
 A Where inlet is placed across ditch and is accessible to vehicular traffic, grating slope shall be 6:1H:1V or better.
 B Center reinforcing in wall and slab 32mm.
 C Grout backfill shall be placed to a minimum thickness of 300mm all around the ditch inlet.
 D Grating shall be according to OPSS 708.020.
 E Pipe support shall be according to OPSS 708.020.
 F All dimensions are nominal.
 G All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4

PRECAST CONCRETE DITCH INLET

600 x 600mm

OPSD 705.030

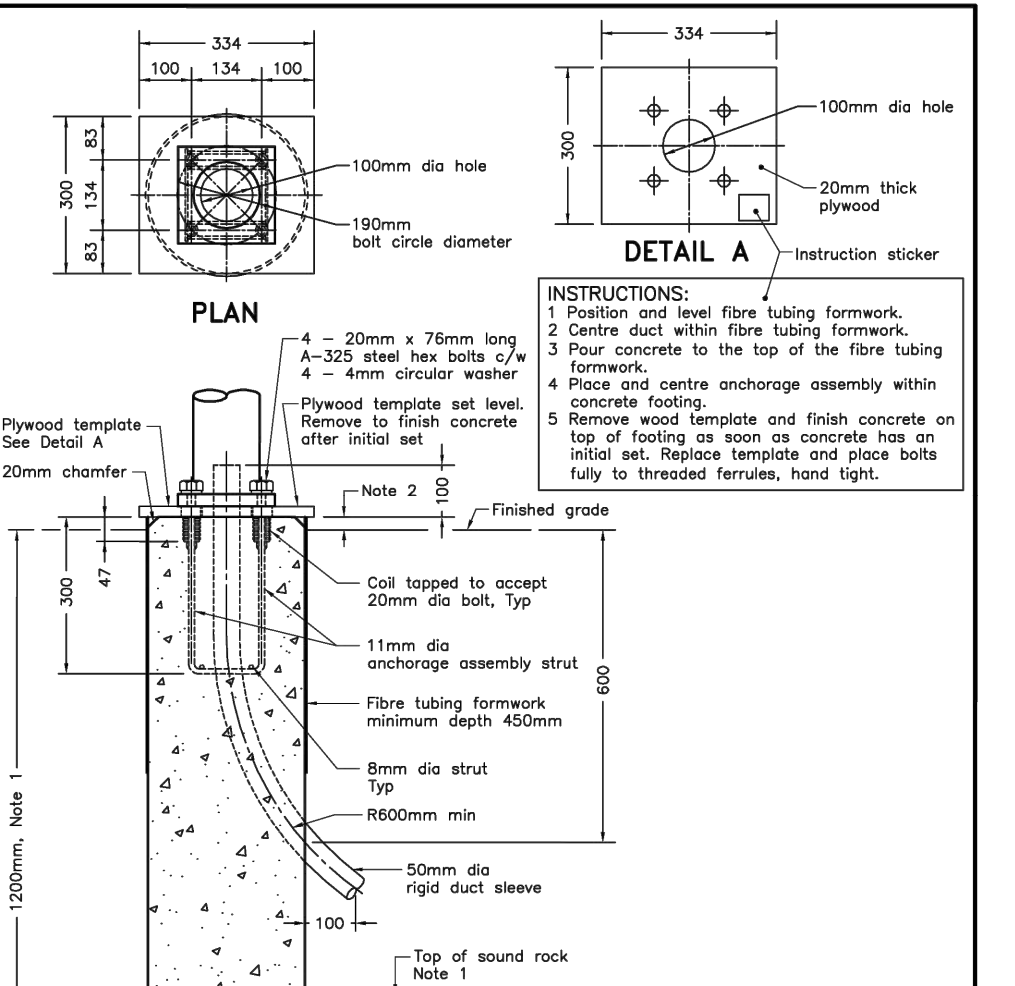


NOTES:
 1 For anchorage assembly see OPSS 2215.02.
 2 Minimum of two sleeves required for each concrete footing. Three sleeves as specified.
 3 Top of footing shall be installed at 40mm ±15mm above finished grade in paved or concrete areas and 75mm ±25mm above finished grade in earth or granular areas.
 4 Plywood template set level. Remove to finish concrete after initial set.
 A For pole mounting details see OPSS 2215.03.
 B All dimensions are in millimetres unless otherwise shown.
 C N/A - Not applicable.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2012 Rev 2

CONCRETE FOOTING FOR BASE MOUNTED LIGHTING AND SIGNAL POLES

OPSD 2200.01

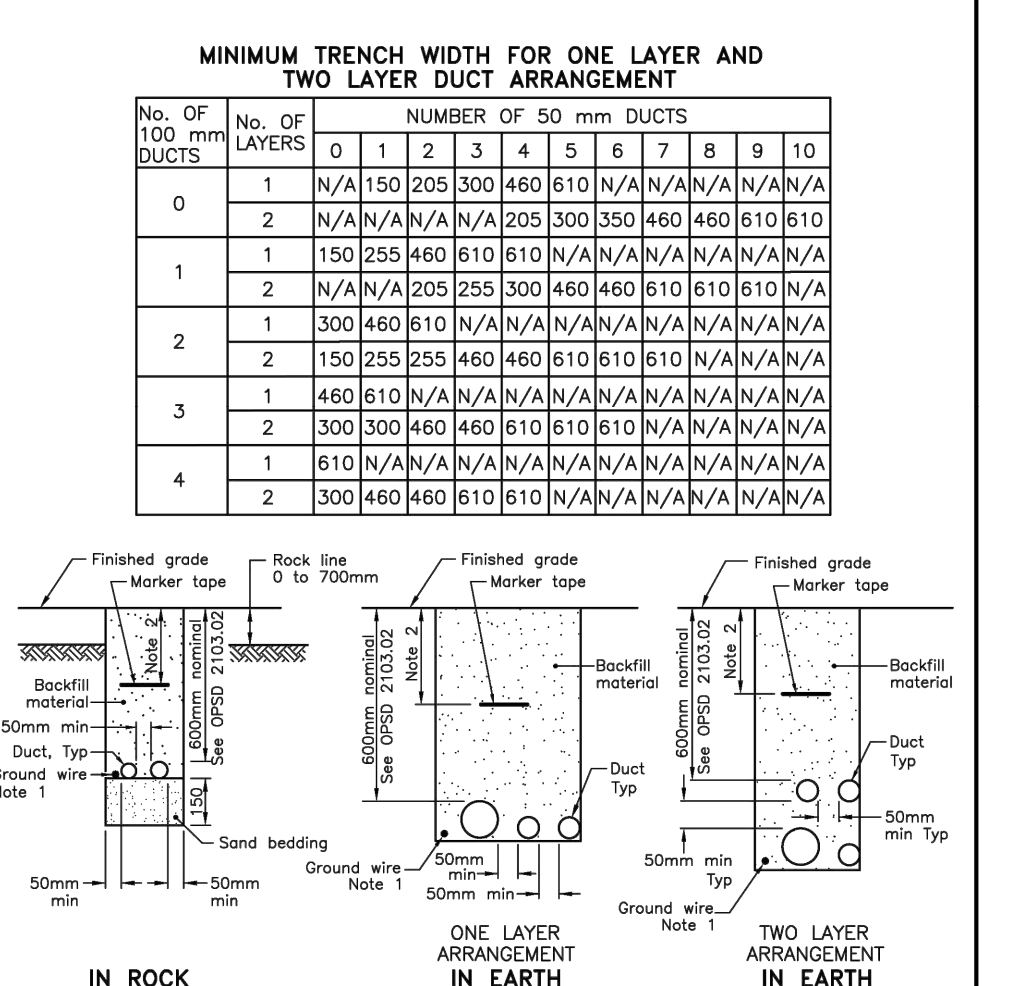


NOTES:
 1 When rock is encountered at 600mm or less below ground level, the depth of the concrete footing shall be a minimum of 900mm.
 2 Top of footing shall be installed at 40mm ±15mm above finished grade in paved or concrete areas and 75mm ±25mm above finished grade in earth or granular areas.
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 0

CONCRETE FOOTING FOR 1.5m BASE MOUNTED PEDESTRIAN PUSH BUTTON POLE

OPSD 2200.041

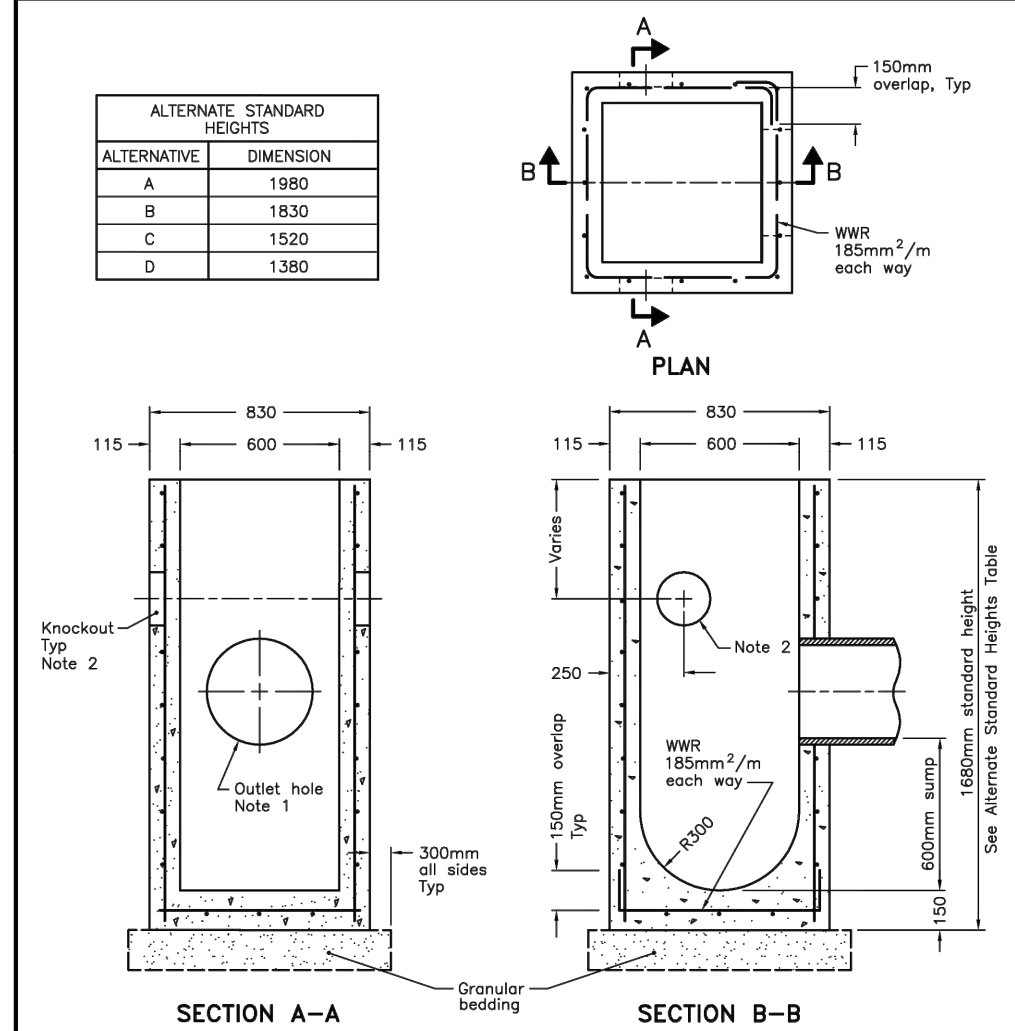


NOTES:
 1 Ground wire shall be installed in the duct or trench as specified.
 2 Depth of marker tape shall be half way between top of duct and finished grade as specified in the Ontario Electrical Safety Code.
 A Cable brick or concrete slab shall be installed where specified. See OPSS 2100.050.
 B This OPSS shall be read in conjunction with OPSS 2103.020.
 C Contractor has the option of installing one or two layer duct arrangement.
 D N/A - Not Applicable, undesirable or exceeding equipment limits.
 E All dimensions are in millimetres unless otherwise shown.

THIS DRAFT STANDARD IS NOT FOR USE IN CONTRACTS. Apr 2024 Rev 2

DUCT INSTALLATION IN TRENCHES

OPSD 2101.010



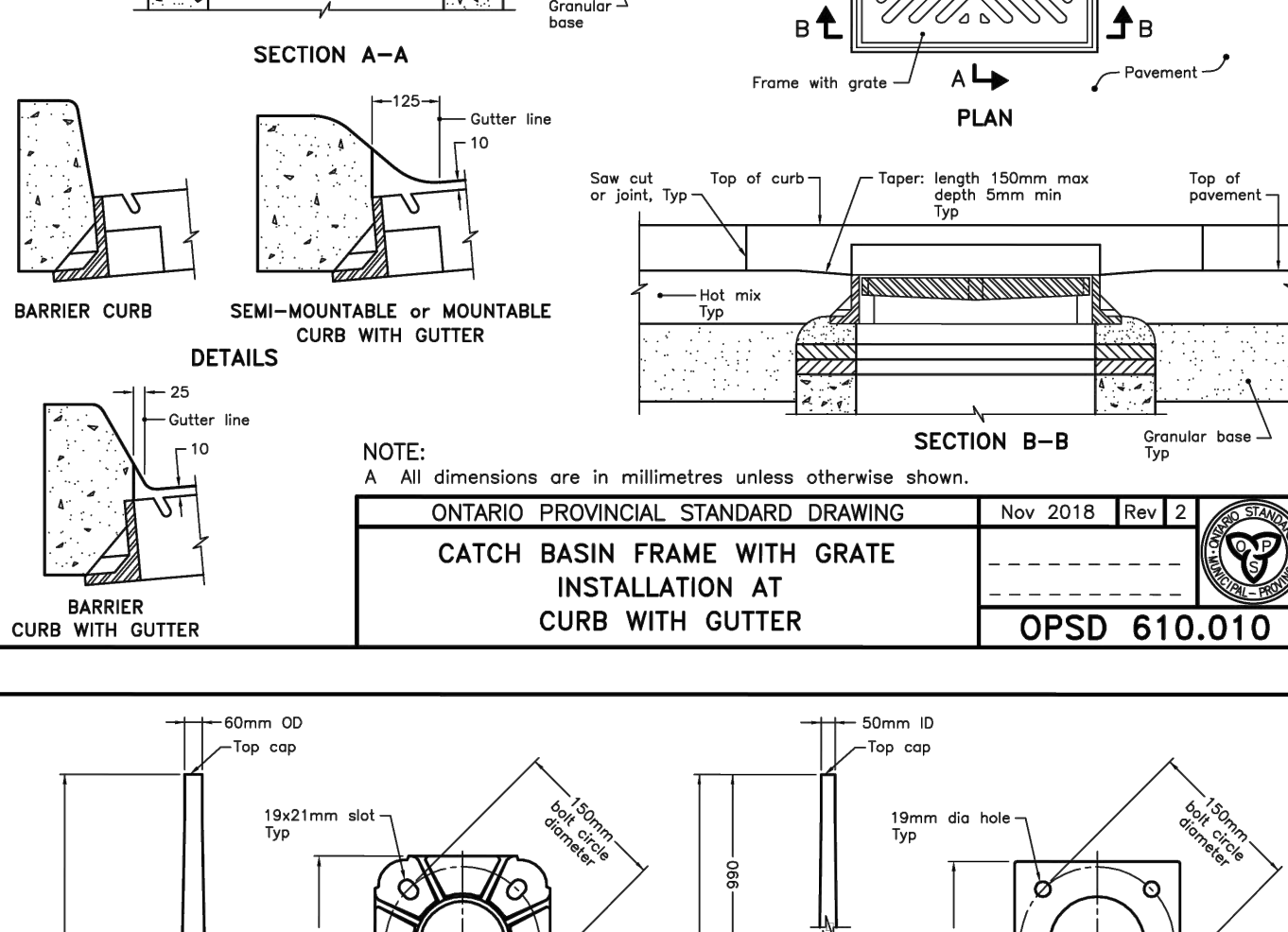
NOTES:
 1 Outlet hole size 525mm diameter maximum, location as required.
 2 200mm diameter knockout to accommodate subdrain. Knockout shall be 60mm deep.
 A Centre reinforcing in base slab and walls 32mm.
 B Grout backfill shall be placed to a minimum thickness of 300mm all around the catch basin.
 C Frame, grate, and adjustment units shall be installed according to OPSS 704.010.
 D Pipe support shall be according to OPSS 708.020.
 E All dimensions are nominal.
 F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4

PRECAST CONCRETE CATCH BASIN

600x600mm

OPSD 705.010

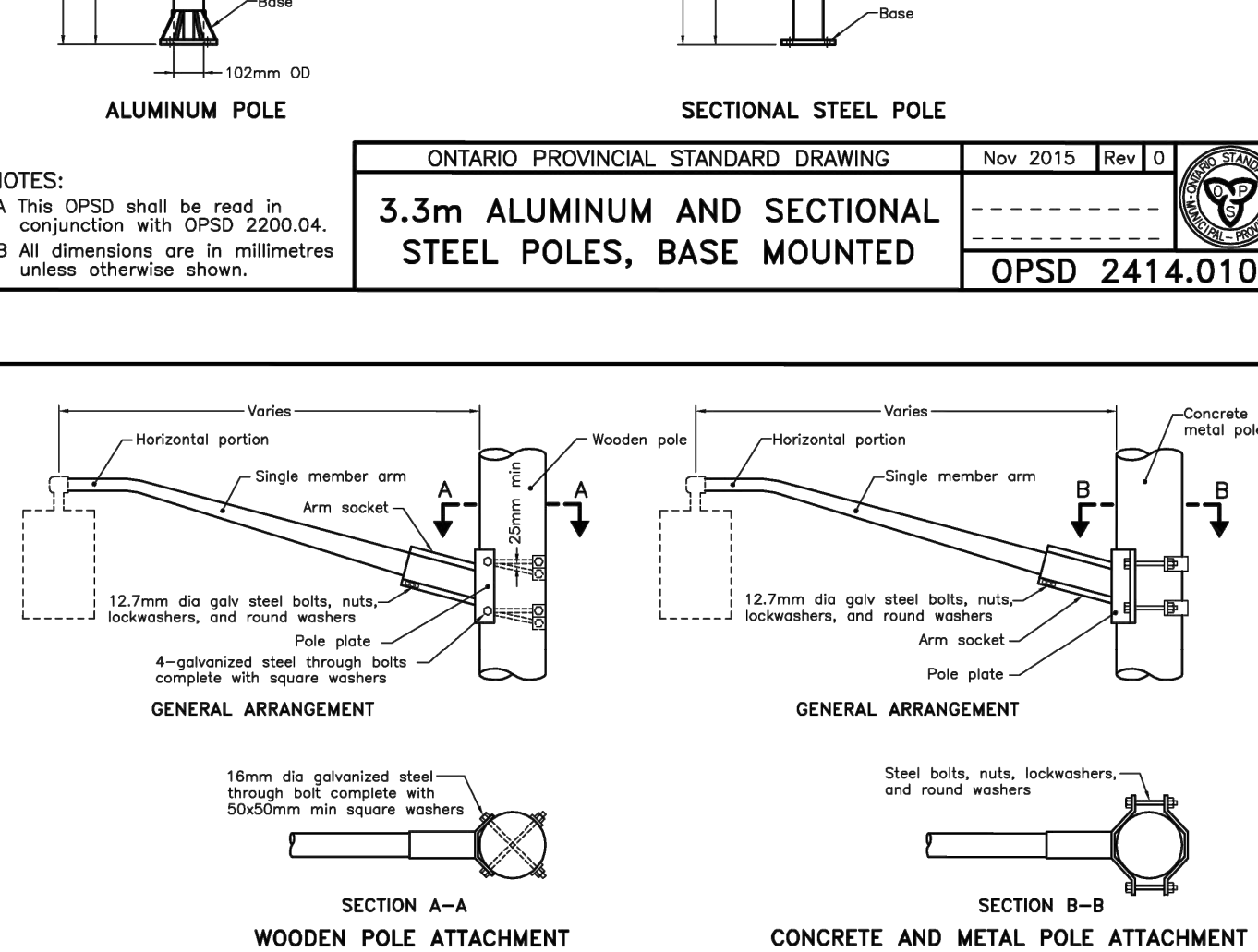


NOTE:
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 2

CATCH BASIN FRAME WITH GRATE INSTALLATION AT CURB WITH GUTTER

OPSD 610.010



NOTES:
 A This OPSS shall be read in conjunction with OPSS 2200.04.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0

3.3m ALUMINUM AND SECTIONAL STEEL POLES, BASE MOUNTED

OPSD 2414.010

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4

PRECAST CONCRETE CATCH BASIN

600x600mm

OPSD 705.010

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2019 Rev 4

PRECAST CONCRETE CATCH BASIN

600x600mm

OPSD 705.010

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3

RIGID PIPE BEDDING, COVER, AND BACKFILL

TYPE 3 SOIL - EARTH EXCAVATION

OPSD 802.031

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 3

RIGID PIPE BEDDING, COVER, AND BACKFILL

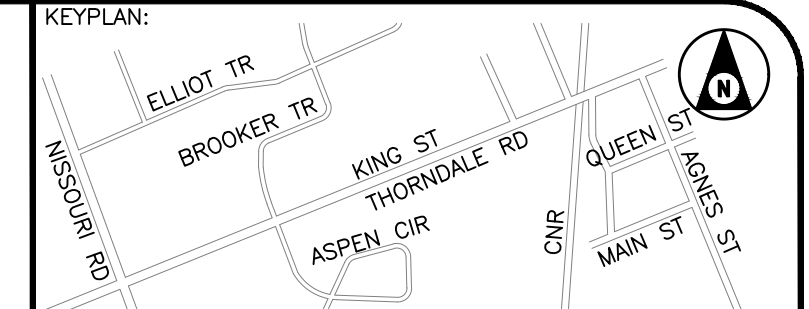
TYPE 3 SOIL - EARTH EXCAVATION

OPSD 802.031

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2017 Rev 0

ALUMINUM SINGLE MEMBER ARM ATTACHMENT DETAILS

OPSD 2501.020



STAMP:
 LICENSED PROFESSIONAL ENGINEER
 J.F.J. AUCLAND
 10230199
 16 JUN 2024
 PROVINCE OF ONTARIO

BENCHMARK:

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NO.	BY	DATE	ISSUE / REVISION
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

WT INFRASTRUCTURE
 PRACTICAL INNOVATION

CLIENT:
 Thames Centre middlesex county

PROJECT NAME:
 KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

TITLE:
 OPSDs

PROJECT NO: 24-2031

SCALE: 1:250

DATE: 22/04/2025

DESIGNED BY: JA

DRAWN BY: AB

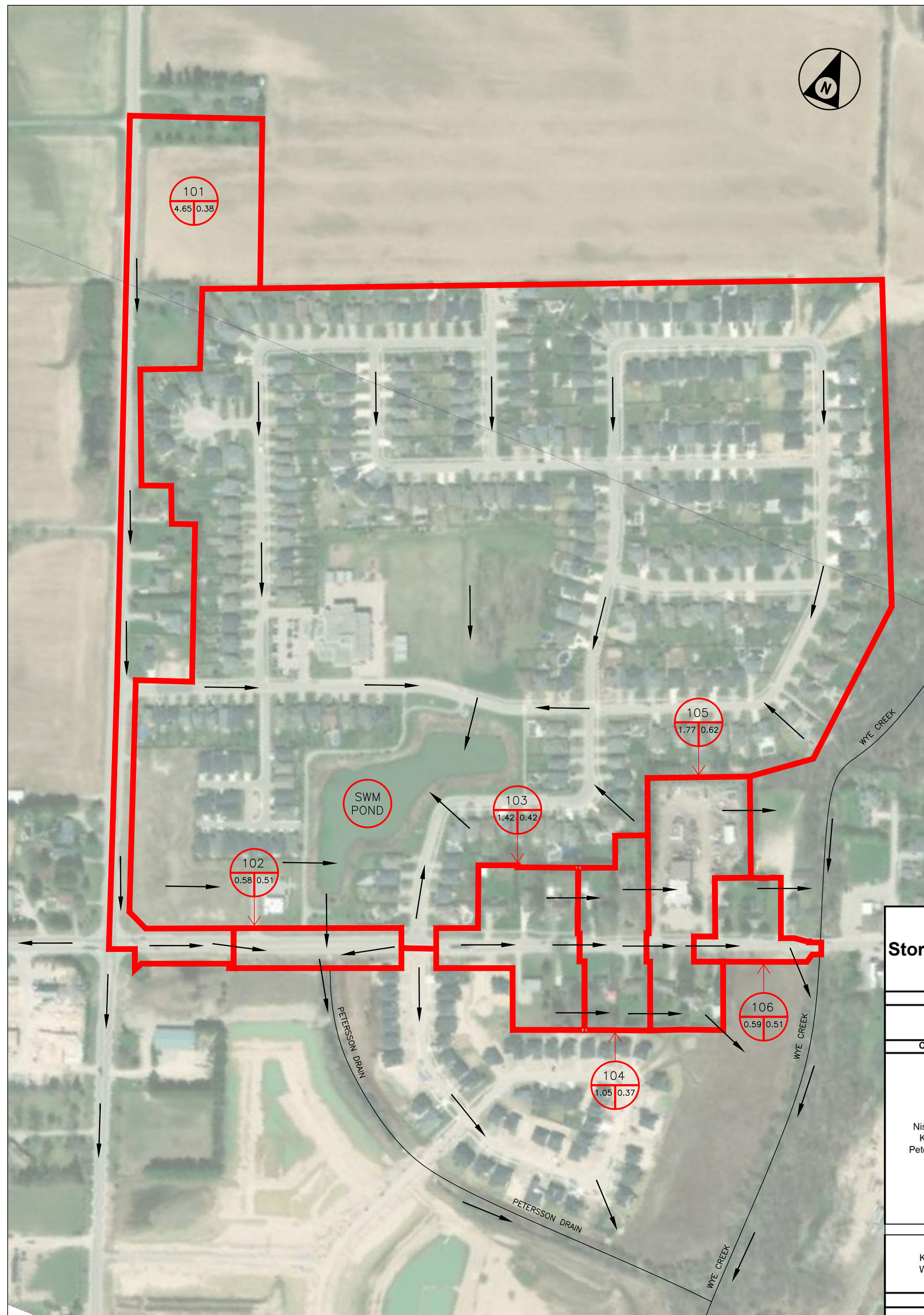
CHECKED BY: AT

DRAWING No: DS.2

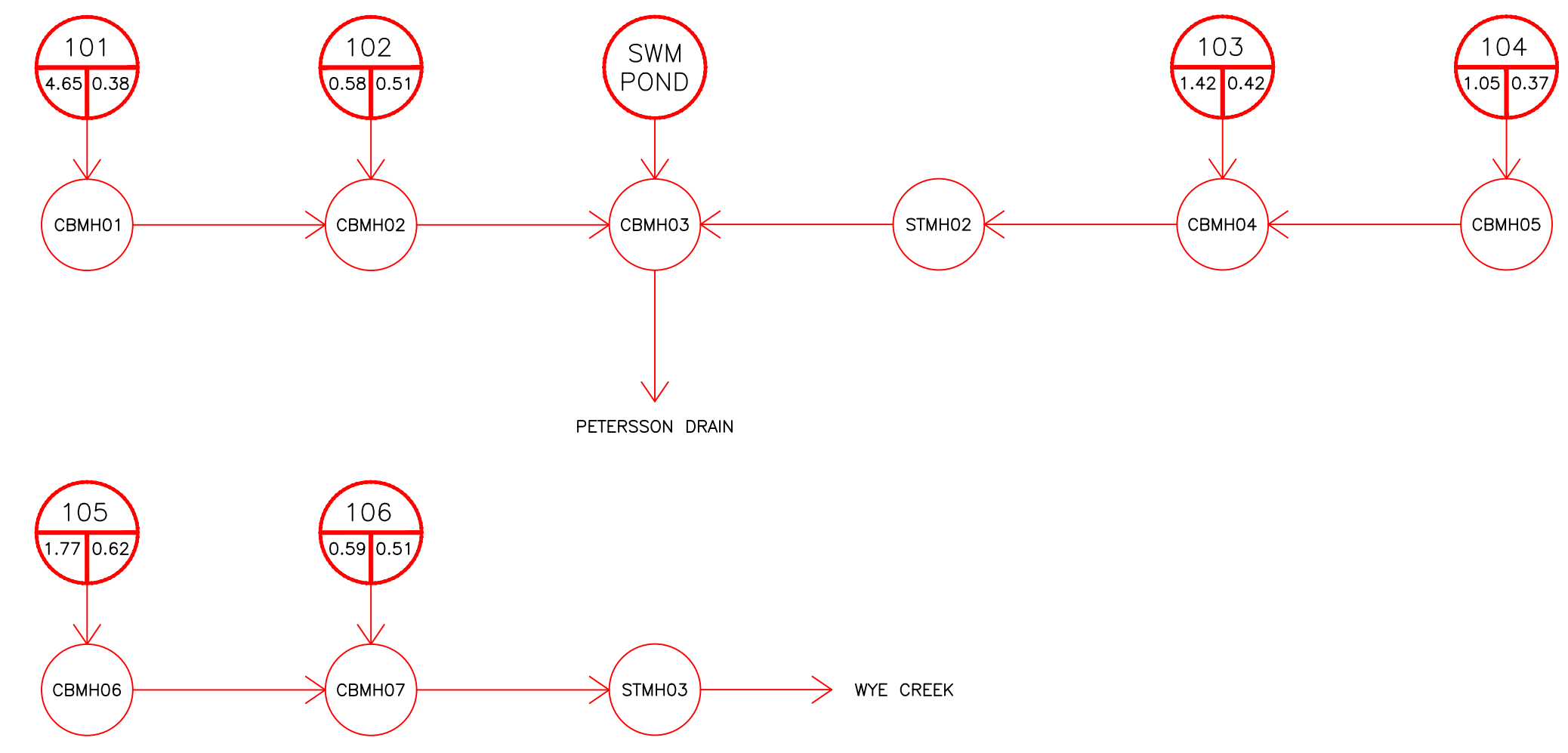
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25mm

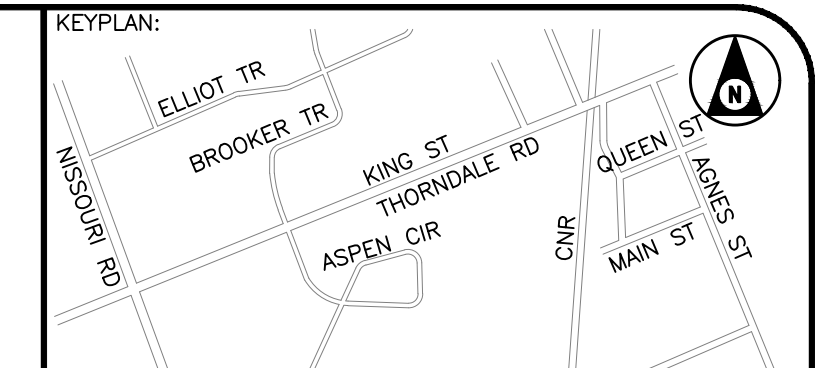
14 of 15



STORM CATCHMENT AREA PLAN
SCALE: 1:2500



STORM CATCHMENT FLOW DIAGRAM
SCALE: NTS



- LEGEND**
- 3 CATCHMENT ID
 - 0.12 0.90 WEIGHTED RUNOFF COEFFICIENT
 - TOTAL AREA (ha) TOTAL AREA (ha)
 - CATCHMENT BOUNDARY
 - OVERLAND FLOW PATH

Storm Sewer Calculation Sheet



Catchment	DRAINAGE AREA DESCRIPTION				FLOW						OUTLET PIPE DATA								
	FROM	TO	No.	Area Ha	CONTRIBUTING AREAS	Runoff Coeff.	A°C	Σ A°C	Tc min	i mm/hr	Q (l/s)	SIZE (mm)	Slope (%)	CAP (l/s)	Q/Qfull %	VEL (m/s)	LENGTH (m)	Time in Pipe (min)	FALL (m)
Nissouri Road King Street Peterrosson Drain	STUB	STMH04	101	4.65	101	0.38	1.77	1.77	40.00	27.86	137.38	450	0.40%	180.32	76%	1.13	21.1	0.3	0.084
	STMH04	CBMH01	101		101			1.77	40.31	27.68	136.46	450	0.40%	180.32	76%	1.13	64.0	0.9	0.256
	CBMH01	CBMH02	101		101			1.77	41.25	27.13	133.76	450	0.40%	180.32	74%	1.13	95.1	1.4	0.380
	CBMH02	CBMH03	102	0.58	101+102	0.51	0.30	2.07	42.65	26.35	151.60	525	0.30%	235.55	64%	1.09	50.0	0.8	0.150
	POND	STMH01	POND	-	POND (Controlled Release Rate)	-	-	-	-	-	154.01	450	0.69%	236.83	65%	1.49	20.1	0.2	0.139
	STMH01	CBMH03	-	-	POND (Controlled Release Rate)	-	-	-	-	-	154.01	600	0.21%	281.38	55%	1.00	4.8	0.1	0.010
	CBMH05	CBMH04	103	1.42	103	0.42	0.59	0.59	19.00	50.99	83.60	375	0.40%	110.89	75%	1.00	70.2	1.2	0.281
	CBMH04	STMH02	104	1.05	103+104	0.37	0.38	0.97	20.17	48.74	132.01	525	0.30%	235.55	56%	1.09	97.0	1.5	0.291
	STMH02	CBMH03	-	-	103+104	-	-	0.97	21.65	46.15	125.00	525	0.30%	235.55	53%	1.09	90.0	1.4	0.270
	CBMH03	DRAIN	-	-	101+102+103+104+POND	-	-	3.04	33.16	32.69	430.60	900	0.21%	829.59	52%	1.30	19.1	0.2	0.040
King Street Wye Creek	CBMH07	CBMH08	105	1.77	105	0.62	1.10	1.10	19.00	50.99	156.02	450	0.50%	201.60	77%	1.27	69.0	0.9	0.345
	CBMH08	STMH03	106	0.59	105+106	0.51	0.30	1.40	19.91	49.22	191.79	525	0.40%	271.99	71%	1.26	60.4	0.8	0.242
	STMH03	CREEK	-	-	105+106	-	-	1.40	20.71	47.76	186.10	525	0.40%	271.99	68%	1.26	5.7	0.1	0.023

DESIGN PARAMETER

Design Storm:	2 year	1290	8.5	0.86
Existing Sewer =				
Mannings n =	0.0130			

Year	Q (L/s)
2	154.01
100	277.41
250	376.57

Pond Outlet Release Rate
285mm Orifice

Designed By:	J. Auckland, P.Eng.	Project:	King Street Reconstruction & Storm Sewer Upgrade
Checked By:	A. Tulk, P.Eng.	Client:	Municipality of Thames Centre
Dwg. Reference:	STM.1	Project Number:	24-2031
		Date:	15-Nov-24



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2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

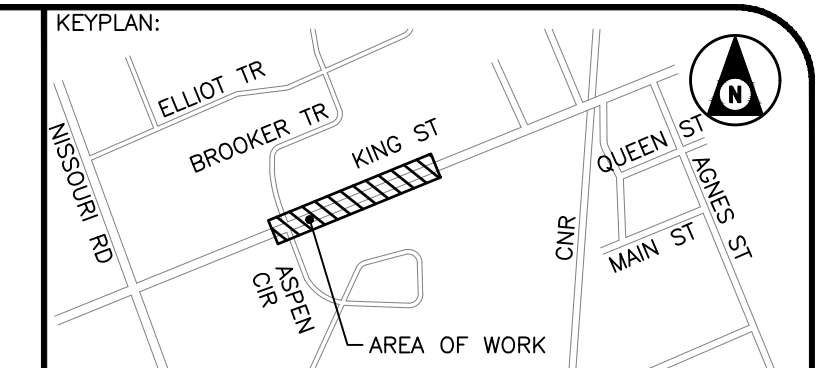
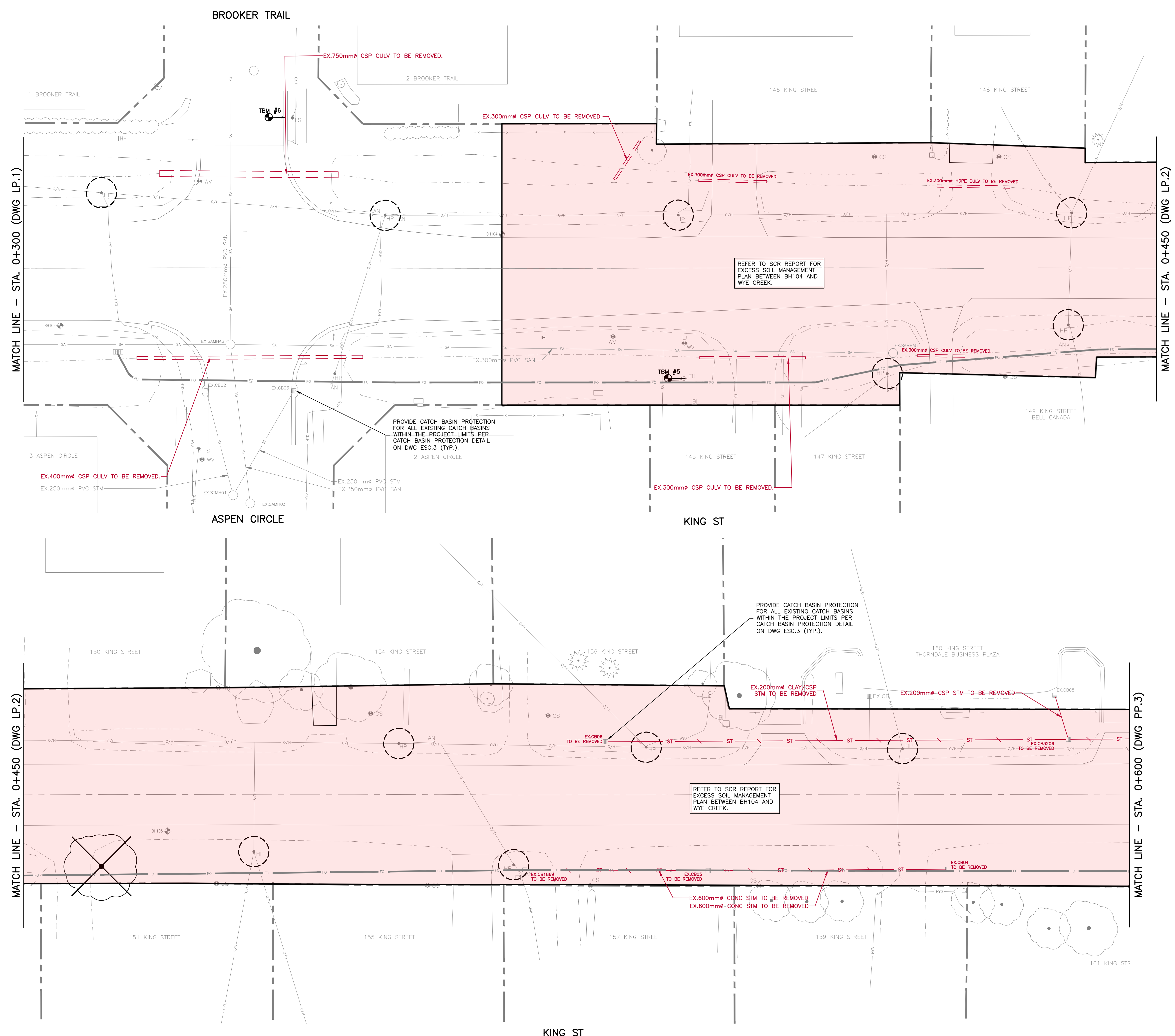


PROJECT NAME:
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT REF: TC-006-26

TITLE:
STORM CATCHMENT PLAN & DESIGN SHEET

PROJECT NO:	24-2031	SCALE:	AS SHOWN	DATE:	20/08/2024	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY:	JA	DRAWN BY:	AB	CHECKED BY:	AT	
DRAWING NO:	STM.1	SHEET #:	15	OF	15	



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STAMP:

 LICENSED PROFESSIONAL ENGINEER
 J.F.J. AUCKLAND
 100230199
 16 JUN 2026
 PROVINCE OF ONTARIO

BENCHMARK:

NO.	BY	DATE	ISSUE / REVISION
2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER

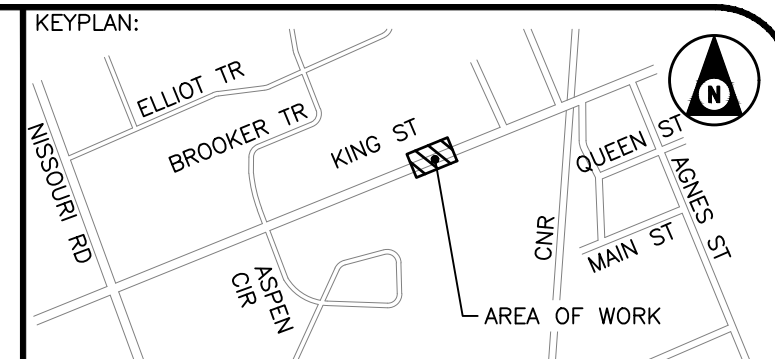
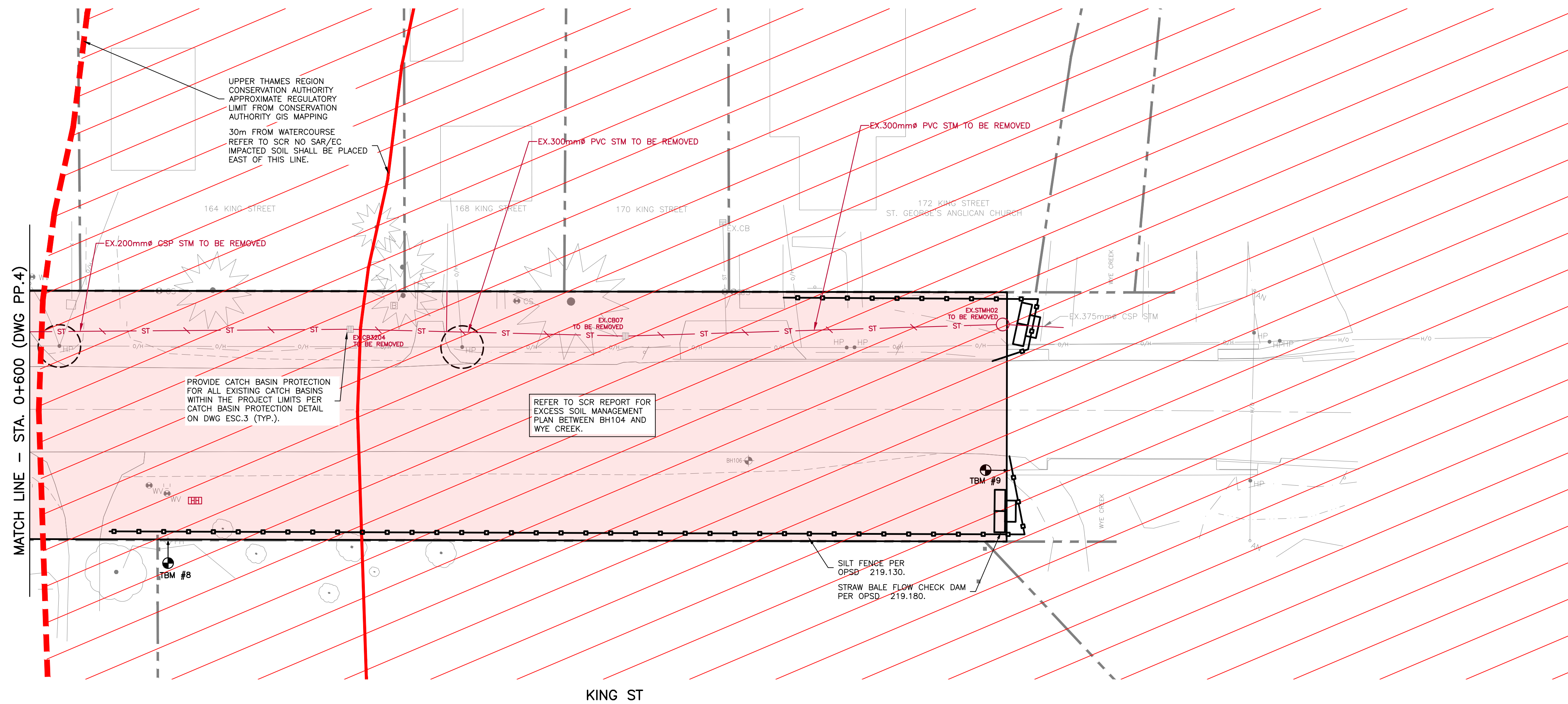


PROJECT NAME:
KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

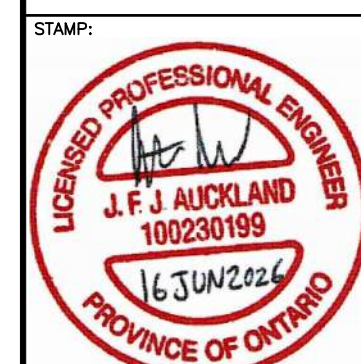
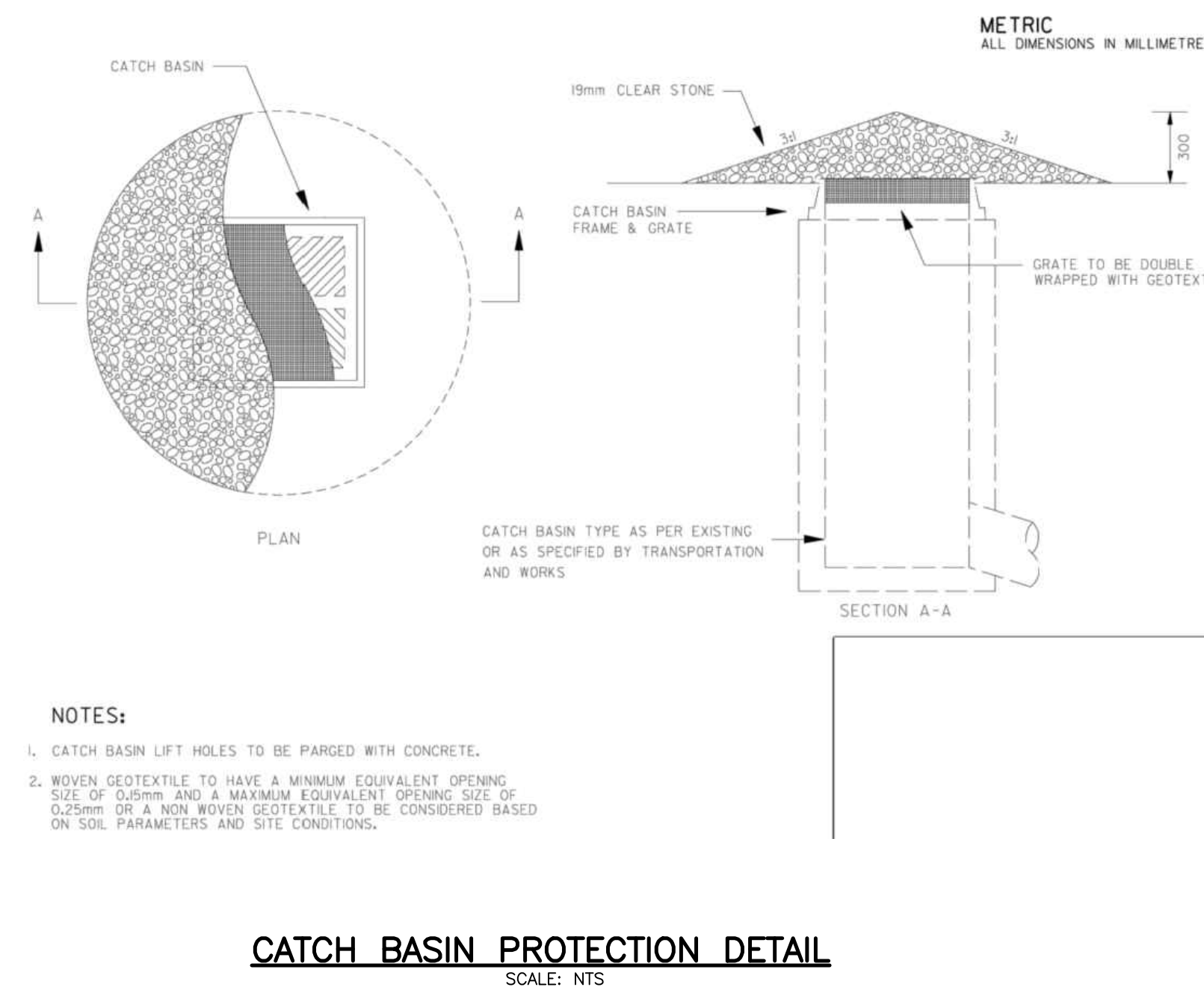
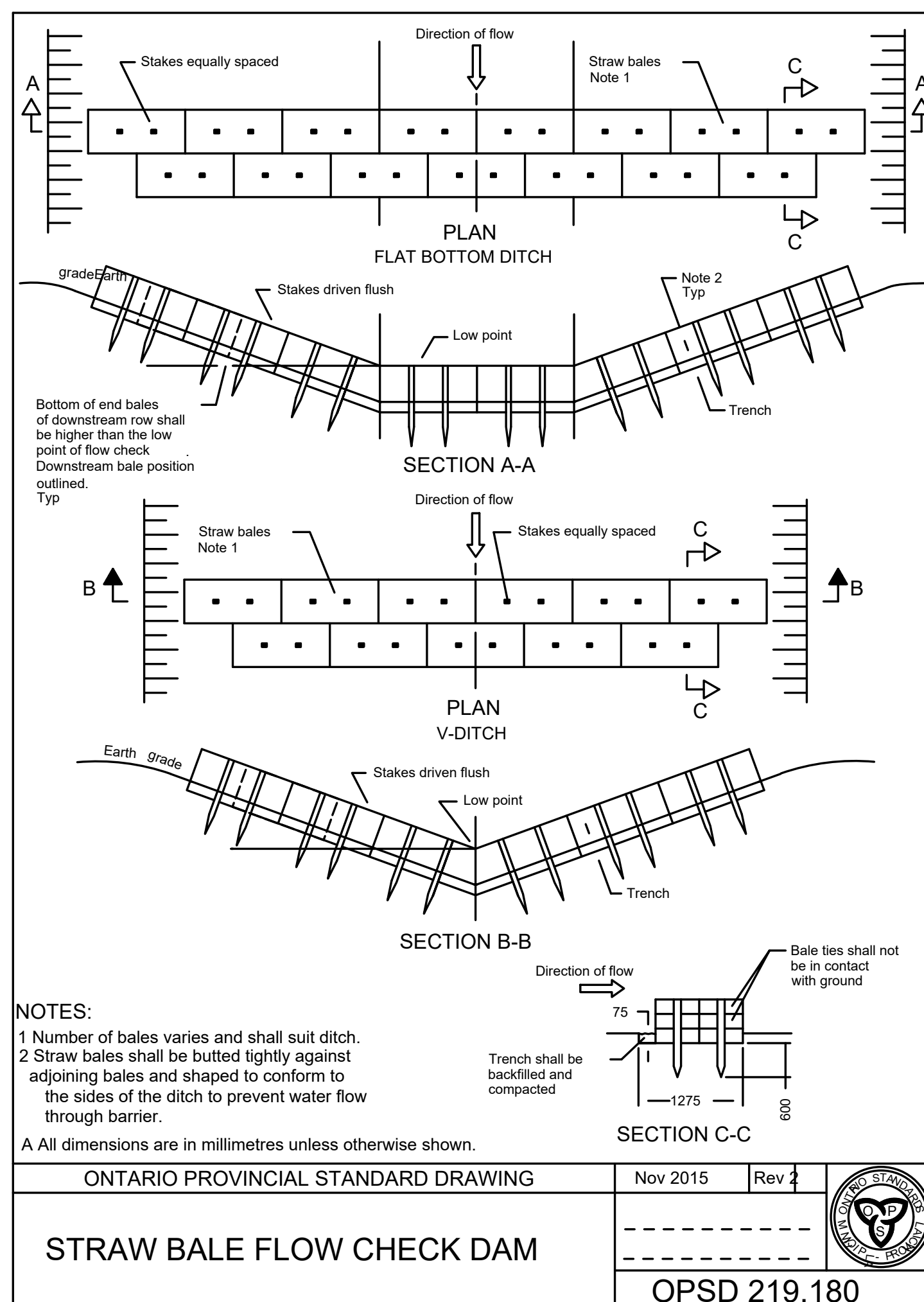
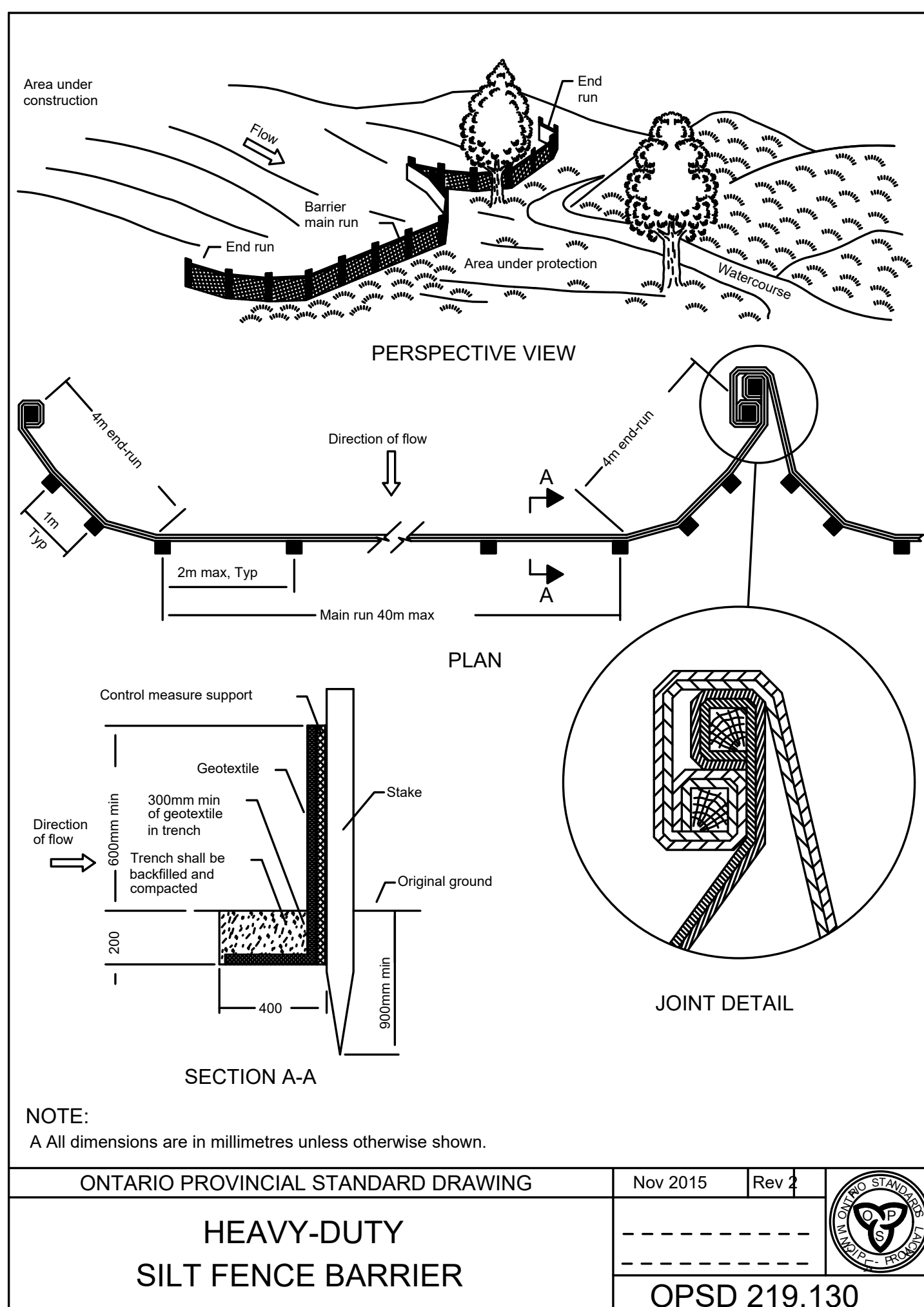
CLIENT REF: TC-006-26

TITLE:
**EROSION AND SEDIMENT CONTROL PLAN
 STA. 0+300 TO STA. 0+600**

PROJECT NO: 24-2031	SCALE: 1:250	DATE: 30/05/2025	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
DESIGNED BY: JA	DRAWN BY: MA	CHECKED BY: AT	
DRAWING NO: ESC.2			SHEET #: 17 of 18



NOTES:
 1. CONTRACTOR TO TAKE CARE REMOVING AND PLACING PAVEMENT STRUCTURE AT BRIDGE INTERFACE WITHOUT DAMAGING OR IMPACTING BRIDGE STRUCTURE.



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2	JA	2026/06/16	ISSUED FOR CONSTRUCTION
1	JA	2026/05/01	ISSUED FOR TENDER



PROJECT NAME:
 KING STREET STORM SEWER UPGRADE AND ROAD URBANIZATION

CLIENT:
 Thames Centre Middlesex County

CLIENT REF: TC-006-26

TITLE:
 EROSION AND SEDIMENT CONTROL PLAN
 STA. 0+600 TO STA. 0+724

PROJECT NO:	SCALE:	DATE:	IF THIS BAR IS NOT 25mm LONG, ADJUST THE PLOTTING SCALE.
24-2031	1:250	30/05/2025	
DESIGNED BY:	DRAWN BY:	CHECKED BY:	25mm
J.A.	MA	AT	
DRAWING No:	ESC.3		SHEET #: 18 of 18

ONTARIO PROVINCIAL STANDARD DRAWING
 HEAVY-DUTY SILT FENCE BARRIER
 Nov 2015 Rev 4
 OPSD 219.130

ONTARIO PROVINCIAL STANDARD DRAWING
 STRAW BALE FLOW CHECK DAM
 Nov 2015 Rev 4
 OPSD 219.180

CATCH BASIN PROTECTION DETAIL
 SCALE: NTS