

BATH MAIN STREET CONNECTING LINK RECONSTRUCTION LOYALIST TOWNSHIP

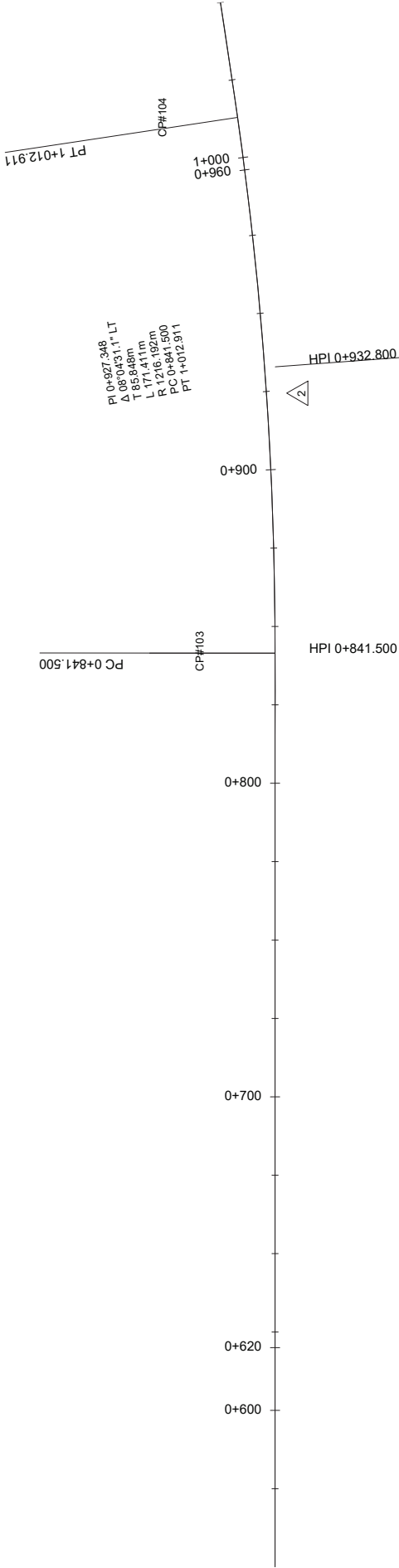
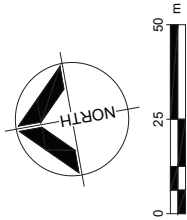


KEY PLAN

(N.T.S.)

PHASE I

Not For Construction



CONTROL ALIGNMENT (FIELD)			
DESCRIPTION	STATION	COORDINATES	
		NORTHING	EASTING
103	0+841.50	4893850.473	356920.928
104	1+012.91	4893832.000	356901.198

CURVE NO. 2	
Δ	= 8°04' 31"
R	= 1216.192
T	= 85.848
L	= 171.411
E	= 3.422

PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP

263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT



AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
www.aecom.com

NOTES

Not For Construction

REGISTRATION

ISSUE/REVISION

1	02/25/2026 ISSUED FOR TENDER
I/R	DATE DESCRIPTION



PROJECT NUMBER

60724392

SHEET TITLE

HORIZONTAL ALIGNMENT
STA. 0+610 TO STA. 0+970

SHEET NUMBER

G02-1

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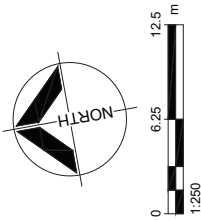
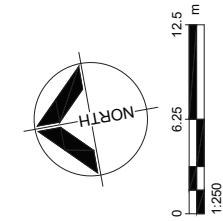
60724392

SHEET TITLE

REMOVALS
STA. 0+610 TO STA. 0+850

SHEET NUMBER

R01-1



LEGEND:

- | | |
|---|---|
|  | REMOVAL |
|  | REMOVAL OF ASPHALT
PAVEMENT FULL DEPTH |
|  | REMOVAL CONCRETE |
|  | REMOVAL OF ASPHALT
PARTIAL DEPTH "MILLING" |
|  | FIBRE ROLL FLOW CHECK
DAM (OPSD 219.191) |
|  | HEAVY DUTY SILT FENCE
DAM (OPSD 219.130) |
|  | PROPERTY BOUNDARY |

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REMOVALS

STATIONING

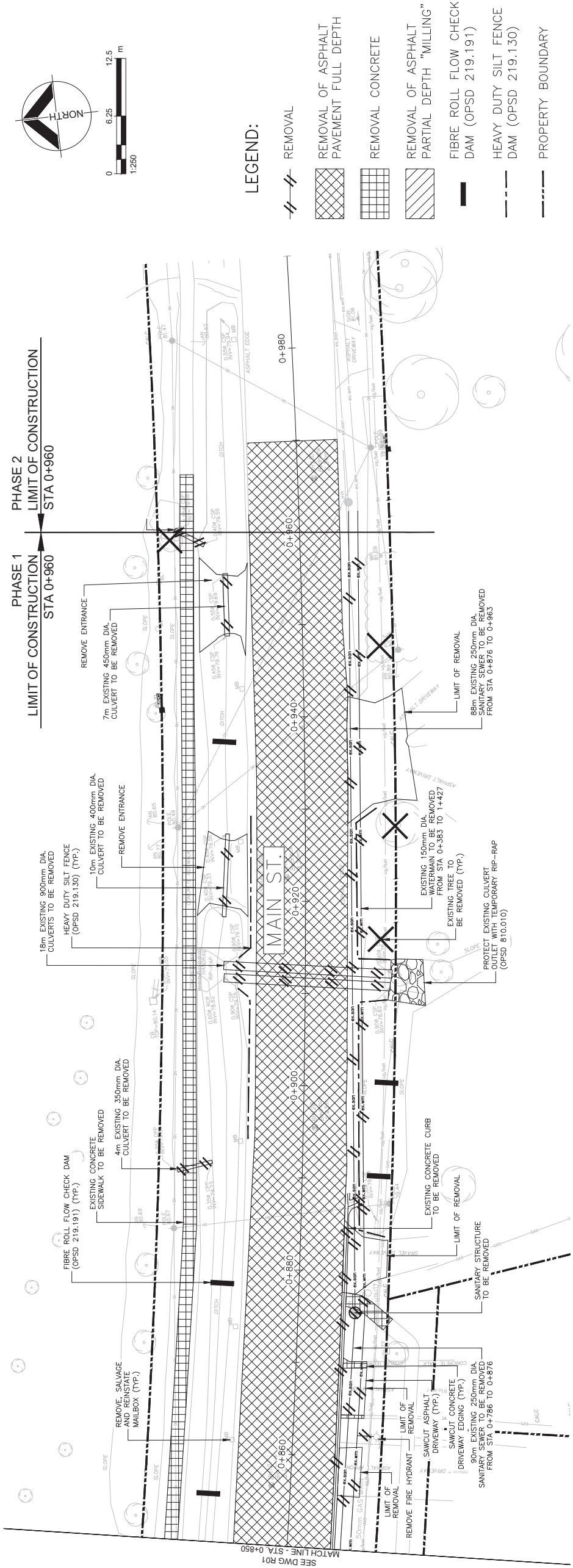
STA. 0+850 TO STA. 0+970

SHEET NUMBER

R02-1

Logo

Loyalist
TOWNSHIP



NOTES:

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHALL BE IMPLEMENTED PRIOR TO, AND MAINTAINED BY THE CONTRACTOR, DURING THE CONSTRUCTION PHASES TO PREVENT ENTRY OF SEDIMENT INTO ANY CATCH BASIN, INLET STRUCTURES OR WATERCOURSES. ADDITIONAL MEASURES AS DEEMED REQUIRED BY THE AUTHORITIES AND/OR CONTRACT ADMINISTRATOR DURING CONSTRUCTION ACTIVITIES SHALL BE PROVIDED BY THE CONTRACTOR. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 24 HOURS OF AN INSPECTION.

2. DISTURBED AREAS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.

3. ALL IN-WATER OR NEAR WATER WORKS WHICH MAY BE REQUIRED SHALL BE CONDUCTED IN THE DRY WITH APPROPRIATE ESC MEASURES.

4. UNLESS OTHERWISE SPECIFIED, THE TIME INTERVAL BETWEEN COMMENCEMENT AND COMPLETION OF ANY WORK THAT DISTURBS EARTH SURFACES SHALL BE A MAXIMUM OF 30 DAYS WITHOUT THE APPLICATION OF VEGETATIVE COVERAGE OR OTHER ESC MEASURES.

5. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE THE RISK OF EROSION AND SEDIMENTATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING THE PLANS AND NOT EFFECTIVE IN PREVENTING THE RELEASE OF DELETERIOUS SUBSTANCE INCLUDING SEDIMENT. THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS. ADDITIONAL ESC MEASURES ARE TO BE KEPT ON SITE AND USED AS NECESSARY.

6. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS ON A WEEKLY BASIS AND IMMEDIATELY FOLLOWING RAINFALL EVENTS IN EXCESS OF 25mm TO THE SATISFACTION OF LOYALIST TOWNSHIP.

7. ALL DOWATERING/UNWATERING SHALL BE RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA OR FILTER BAG. NO DOWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE OR ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER.

8. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL RESTORATION OF DISTURBED AREAS IS COMPLETE AND UNTIL AFTER VEGETATION GROWTH HAS BEEN ESTABLISHED. ANY TEMPORARY INSTALLATIONS SHALL THEREAFTER BE REMOVED BY THE CONTRACTOR.

9. ALL IMPORTED MATERIALS PLACED FOR CONSTRUCTION OF TEMPORARY WORKING AREAS ARE TO BE REMOVED AT COMPLETION OF WORK AND ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL GRADE AND CONDITIONS BY THE CONTRACTOR.

10. A CONSTRUCTION MUD MAT SHALL BE PROVIDED TO MITIGATE MUD TRACKING ONTO MUNICIPAL STREETS.

11. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES SHALL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO ANY CATCH BASIN, DITCH, INLETTING STRUCTURE OR WATERCOURSE. ALL CONCRETE WASHOUT OPERATIONS SHALL BE COMPLETED AT LEAST 30 METRE FROM A WATERCOURSE IN A CONCRETE WASHOUT CONTAINMENT SYSTEM.

12. CATCH BASIN AND STORM SEWER INLET STRUCTURES TO BE PROTECTED WITH FILTRATION MEASURES DURING ALL PHASES OF CONSTRUCTION.

FIBRE ROLL FLOW CHECK DAMS

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2021 Rev 1

OPSD 219.191

SECTION B-B

A Refer to OPSD 219.120 Section A-A installation detail.
B All dimensions are in millimetres unless otherwise shown.

PLAN

FLAT BOTTOM DITCH

SECTION A-A

PLAN

V-DITCH

HEAVY-DUTY
SILT FENCE BARRIER

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2021 Rev 3

OPSD 219.130

NOTE:

A All dimensions are in millimetres unless otherwise shown.

SECTION A-A

PLAN

JOINT DETAIL

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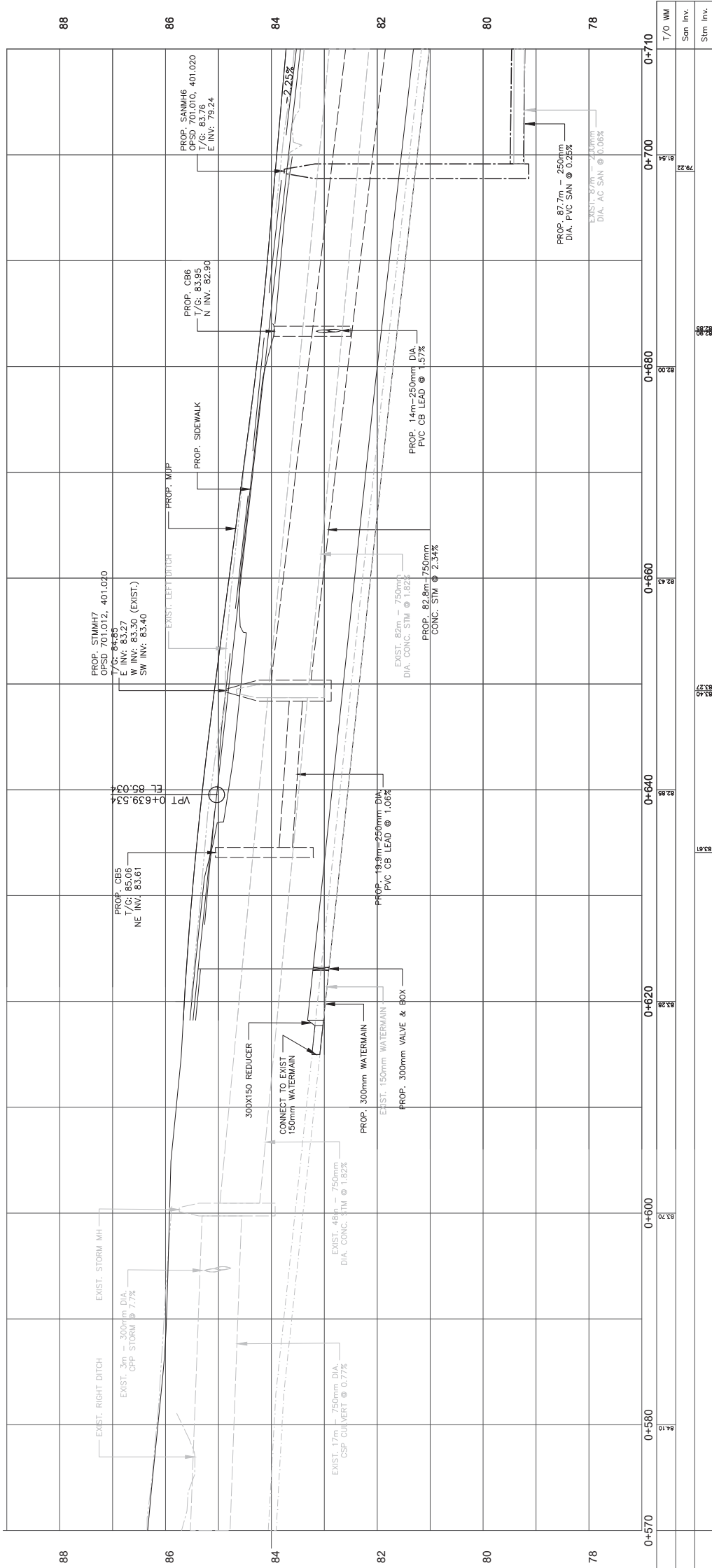
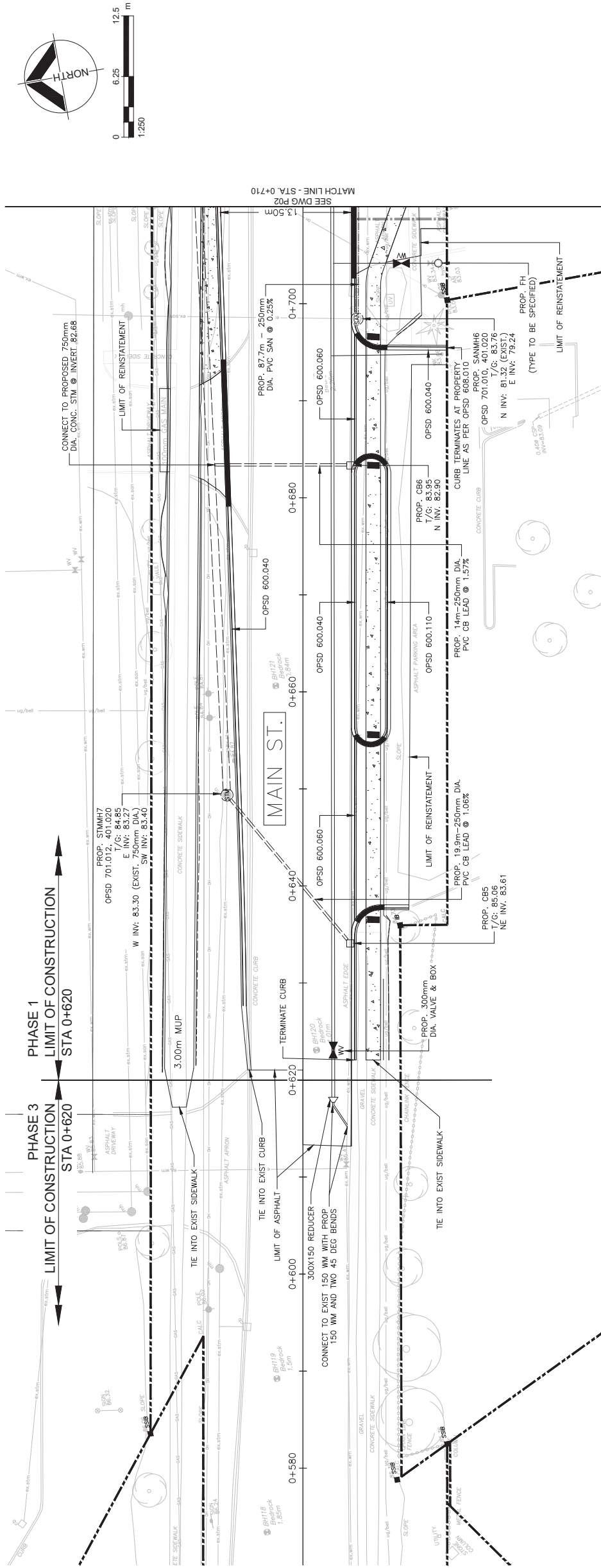
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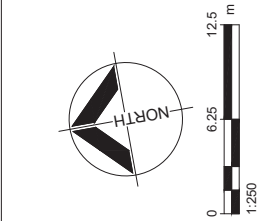
SHEET TITLE

PLAN & PROFILE
STA. 0+610 TO STA. 0+710

SHEET NUMBER

P01-1





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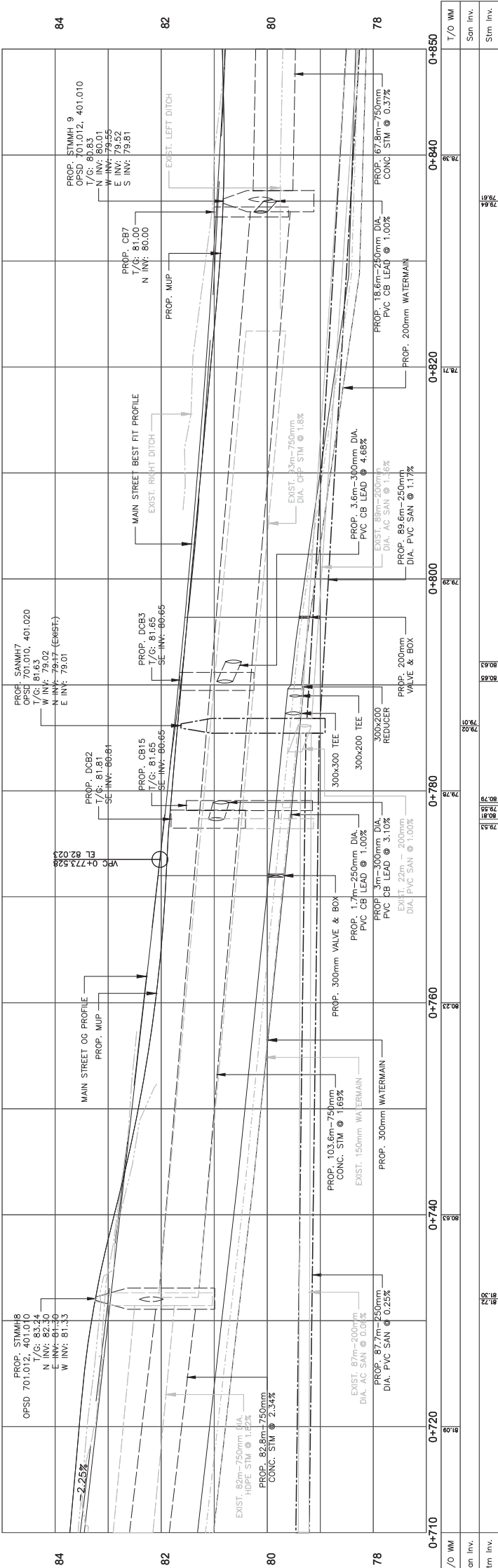
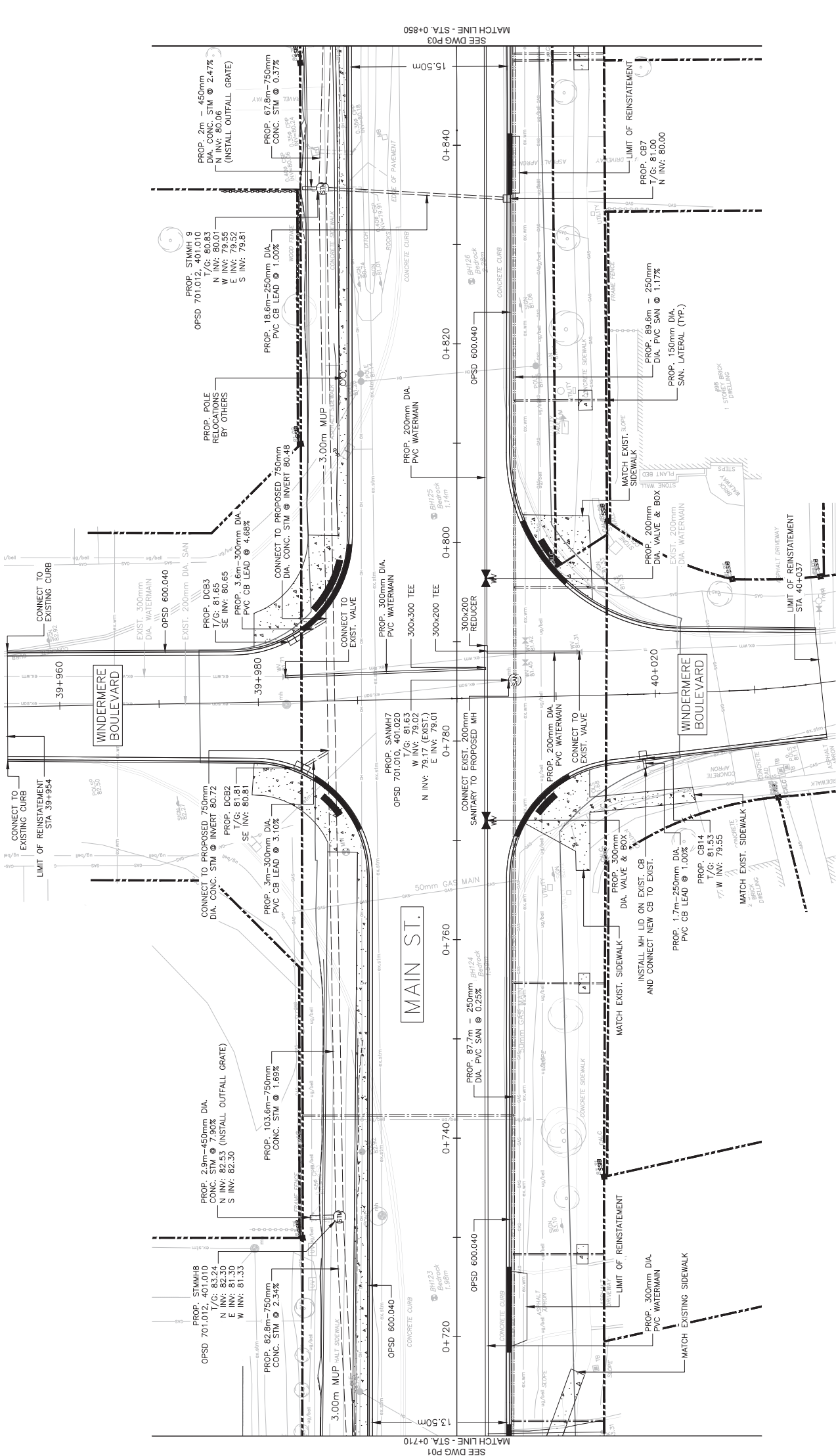
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SHEET TITLE
PLAN & PROFILE
STA. 0+710 TO STA. 0+850

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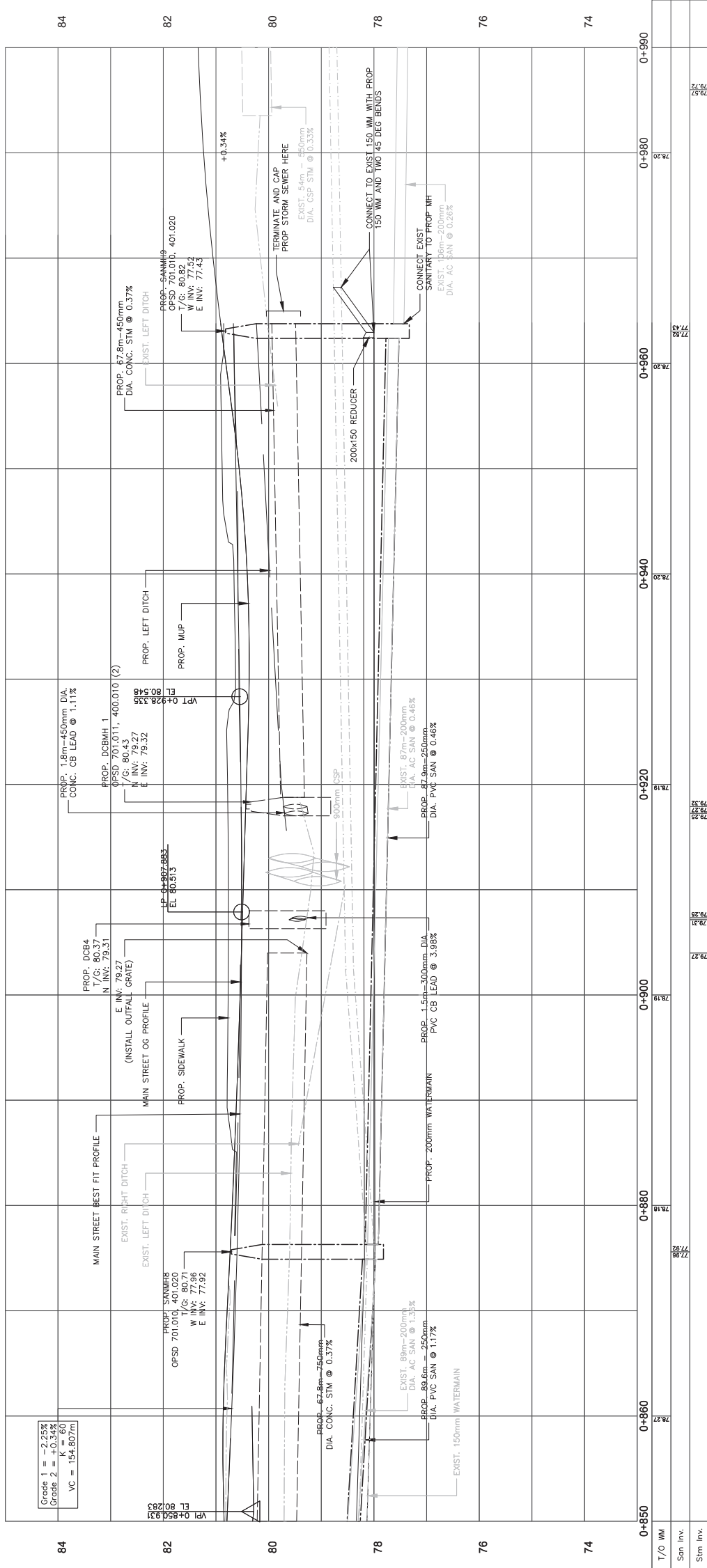
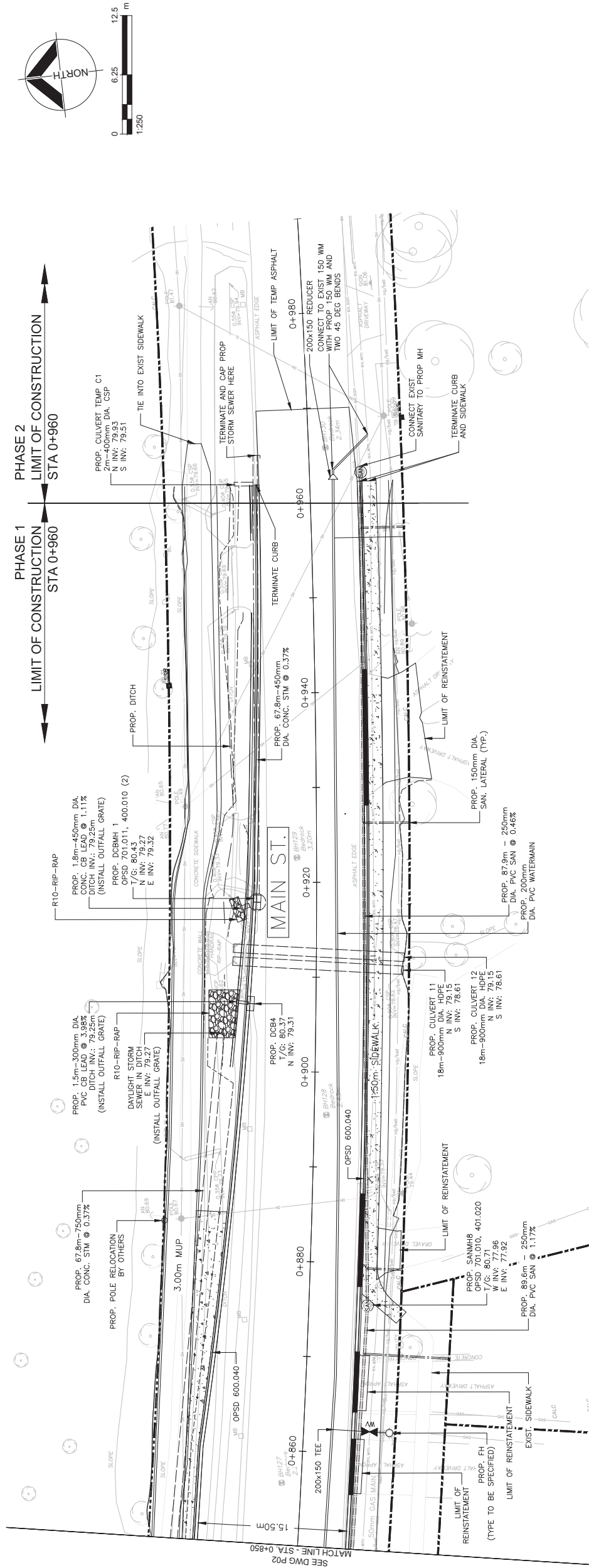
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SHEET TITLE

PLAN & PROFILE
STA. 0+850 TO STA. 0+970

SHEET NUMBER

P03-1



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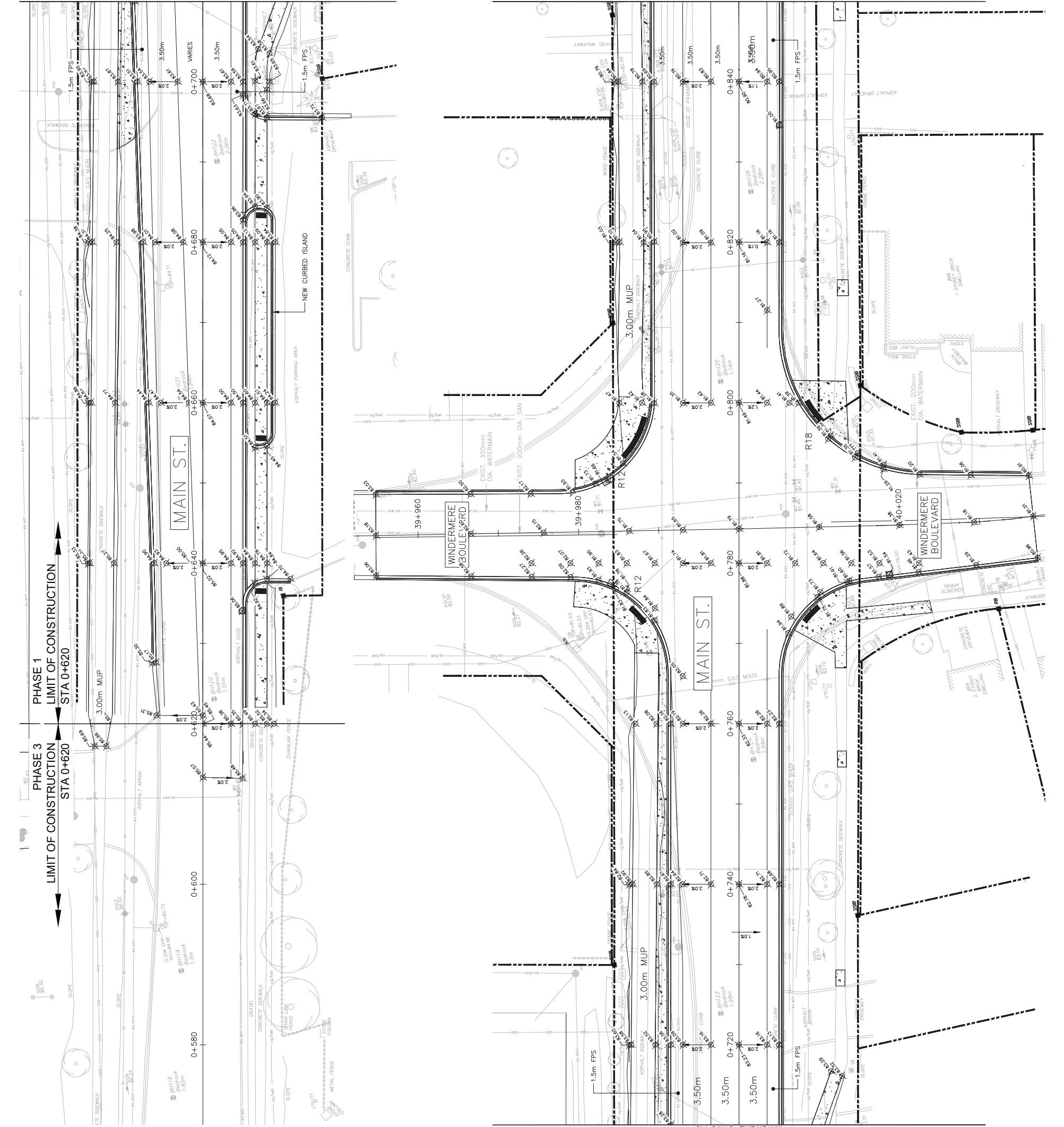
GRADING & DRAINAGE
STA. 0+610 TO STA. 0+850

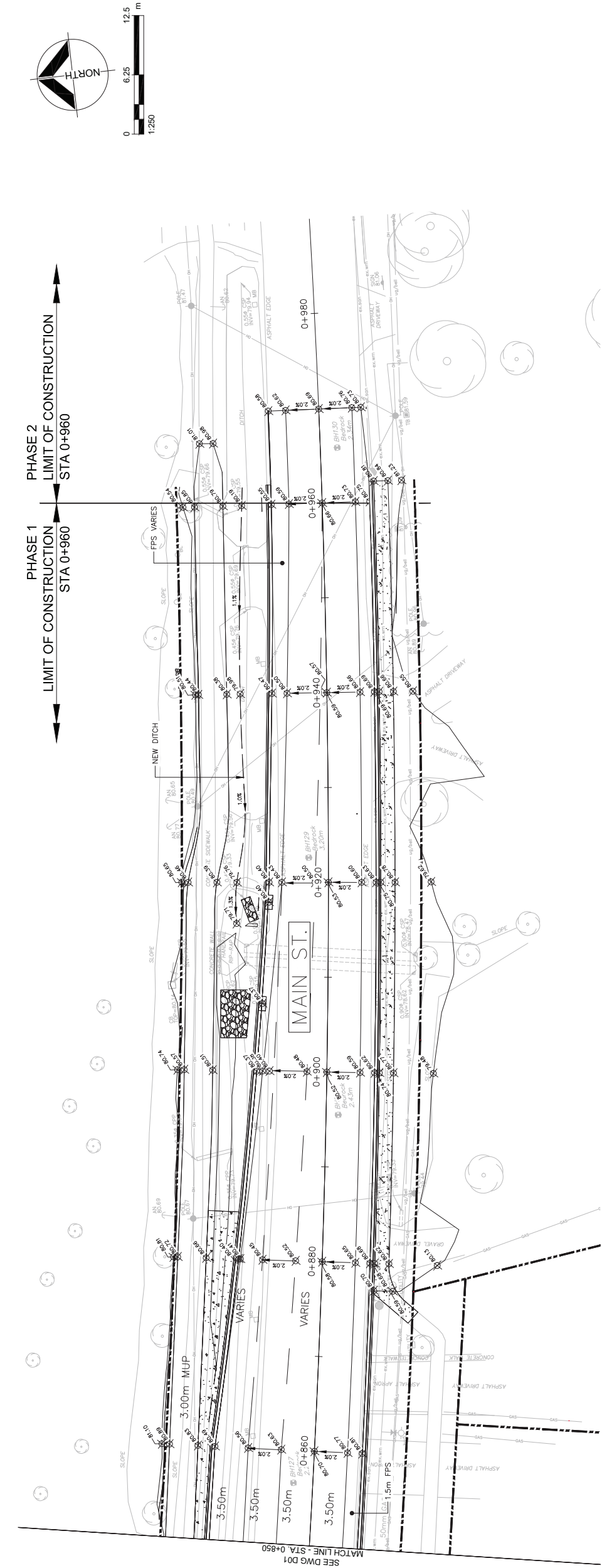
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D01-1



LOYALIST TOWNSHIP





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263 MAIN STREET.
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K0H 2H0
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GRADING & DRAINAGE
STA. 0+850 TO STA. 0+970

SHEET NUMBER

D02-1

CATCH BASIN DATA					
Structure No.	Station	Offset	Cover	Structure	Elevation T/Grate Low/Inv.
CB5	0+634.08	4.88 RT	OPSD 400.010	OPSD 705.010	85.06 83.61
CB6	0+683.33	4.89 RT	OPSD 400.010	OPSD 705.010	83.95 82.90
DCB2	0+777.33	15.59 LT	OPSD 400.010 (2)	OPSD 705.020	81.81 80.81
DCB3	0+790.32	16.30 LT	OPSD 400.010 (2)	OPSD 705.020	81.65 80.65
CB7	0+834.63	5.04 RT	OPSD 400.010	OPSD 705.010	81.00 80.00
DCB4	0+907.15	6.90 LT	OPSD 400.010 (2)	OPSD 705.020	80.38 79.31
CB14	0+778.61	18.74 RT	OPSD 400.010	OPSD 705.010	81.53 79.55

STORM SEWER MAINTENANCE HOLE DATA					
Structure No.	Station	Offset	Cover	Structure	Elevation T/Grate Low/Inv.
STMWH7	0+649.37	7.83 LT	OPSD 401.010 Type 'B'	OPSD 701.012	84.85 83.27
STMWH8	0+732.08	11.83 LT	OPSD 401.010 Type 'B'	OPSD 701.012	83.24 81.3
STMWH9	0+835.65	13.52 LT	OPSD 401.010 Type 'B'	OPSD 701.012	80.83 79.52
DCBMH1	0+917.89	6.27 LT	OPSD 400.010 (2)	OPSD 701.011	80.43 79.27

SANITARY SEWER MAINTENANCE HOLE DATA					
Structure No.	Station	Offset	Cover	Structure	Elevation T/Grate Low/Inv.
SANWH6	0+698.44	5.59 RT	OPSD 401.020	OPSD 701.010	83.76 79.24
SANWH7	0+786.14	5.83 RT	OPSD 401.020	OPSD 701.010	81.63 79.01
SANWH8	0+875.59	6.18 RT	OPSD 401.020	OPSD 701.010	80.71 77.92

STORM SEWER CB PIPE DATA							
Inlet Structure	Outlet Structure	Diameter (mm)	Material	Approx. Length (m)	Slope (%)	Upstream Inv.	Downstream Inv.
CB5	STMWH7	250	PVC	19.9	1.06%	83.61	83.40
CB6	MAIN	250	PVC	14	1.57%	82.90	82.68
DCB2	MAIN	300	PVC	3.1	3.10%	80.81	80.72
DCB3	MAIN	300	PVC	3.6	4.68%	80.65	80.48
CB7	STMWH9	250	PVC	18.6	1.00%	80.00	79.81
DCB4	0+907 DITCH	300	PVC	1.5	3.98%	79.31	79.25
CB14	Ex.CB	250	PVC	1.7	1.00%	79.55	79.53

STORM SEWER PIPE DATA							
Inlet Structure	Outlet Structure	Diameter (mm)	Material	Approx. Length (m)	Slope	Upstream Invert	Downstream Invert
STMWH7	STMWH8	750	CONC	82.8	2.34%	83.27	81.33
STMWH8	STMWH9	750	CONC	103.6	1.69%	81.30	79.55
STMWH9	0+904 DITCH	750	CONC	67.8	0.37%	79.52	79.27
DCBMH1	0+918 DITCH	450	CONC	1.8	1.11%	79.27	79.25
STMWH8	0+732 DITCH	450	CONC	2.9	7.90%	82.53	82.30

SANITARY SEWER PIPE DATA							
Inlet Structure	Outlet Structure	Diameter (mm)	Material	Approx. Length (m)	Slope	Upstream Invert	Downstream Invert
SANWH6	SANWH7	250	PVC	87.7	0.23%	79.24	79.02
SANWH7	SANWH8	250	PVC	89.6	1.17%	79.01	77.96
SANWH8	SANWH9	250	PVC	87.9	0.46%	77.92	77.52

Culvert Table							
Structure No.	Structure Type	Length (m)	Invert Elevations		Station/Offset		
C11	900mm HDPE	18.00	Inlet	Outlet	Inlet	Outlet	
			79.15	78.61	0+911.64/8.80 LT	0+910.80/9.18 RT	
C12	900mm HDPE	18.00	79.15	78.61	0+913.01/8.72 LT	0+912.15/9.26 RT	
TEMP C1	400mm CSP	2.00	79.93	79.51	0+962.00/7.98 LT	0+962.00/5.98 LT	

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SEWER DATA

SHEET NUMBER

S01-1

*TOP OF FRAME ELEVATION IS TOP OF ASPHALT/GUTTER ELEVATION AT FACE OF CURB FOR CATCH BASINS. TOP OF FRAME IS CENTRE OF FRAME FOR DITCH INLETS.

**OUTLET INVERT TO BE CONFIRMED BY CONTRACTOR IN FIELD PRIOR TO CONSTRUCTION. CATCH BASIN LEAD TO CONNECT TO EXISTING CATCH BASIN LEAD.

***PIPE CONNECTION ELEVATION, AND CATCH BASIN LEAD DIAMETER TO BE CONFIRMED BY CONTRACTOR IN FIELD PRIOR TO CONSTRUCTION. CATCH BASIN LEAD TO CONNECT TO EXISTING CATCH BASIN LEAD.

PVC ULTRA-RIB OR EQUIVALENT AS PER SP SEW-07.

OFFSET DISTANCE IS CENTRE OF STRUCTURE FOR CATCH BASINS, AND CENTRE OF STRUCTURE FOR DITCH INLETS.

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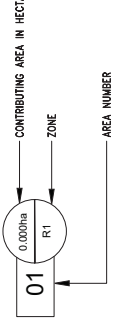
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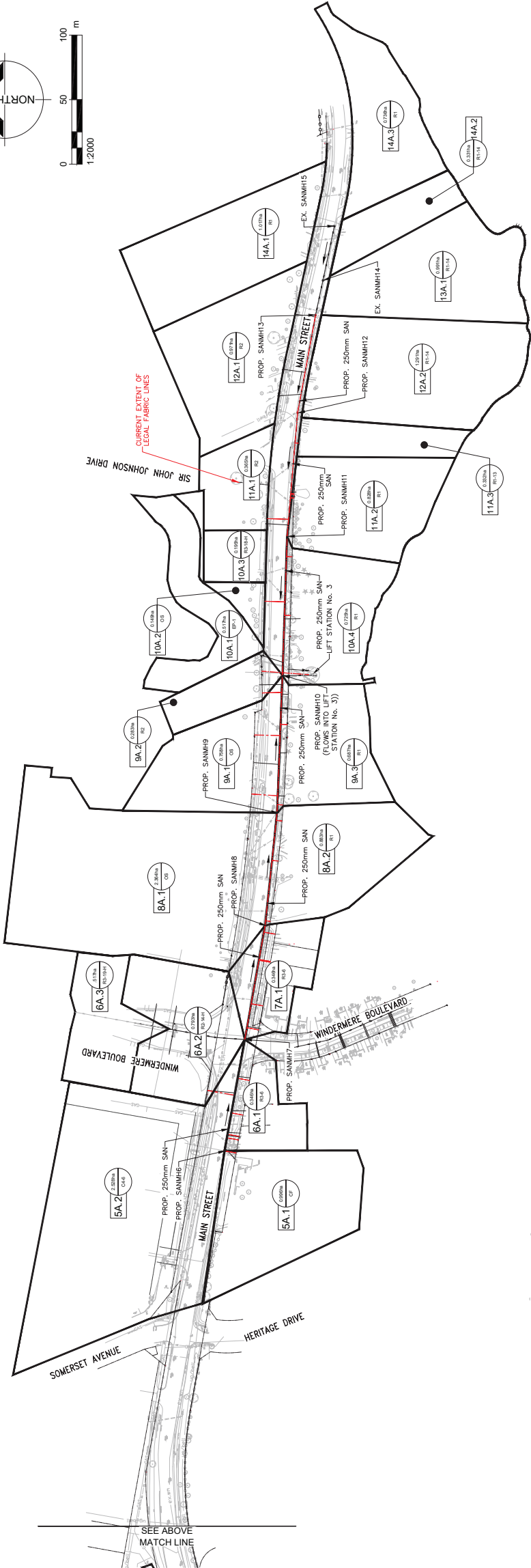
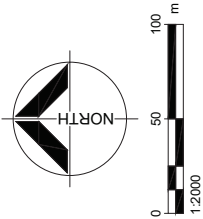
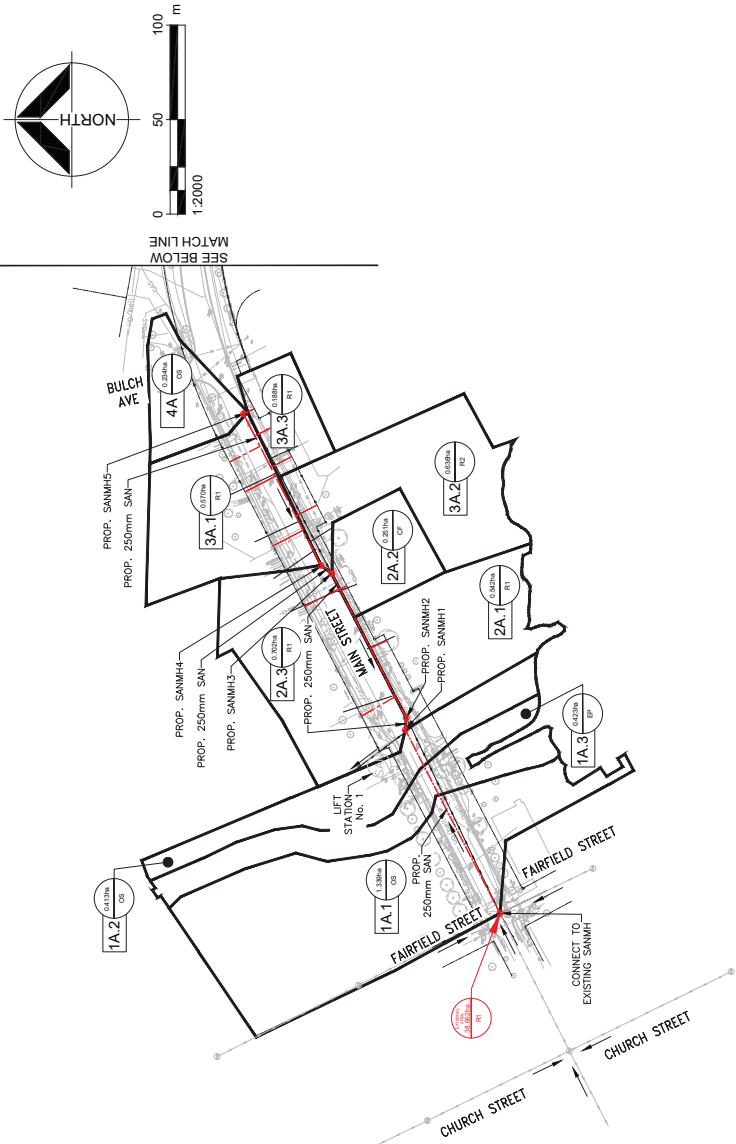
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SHEET TITLE

SANITARY DRAINAGE AREA PLAN

SHEET NUMBER

S02



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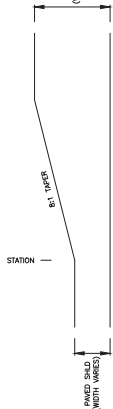
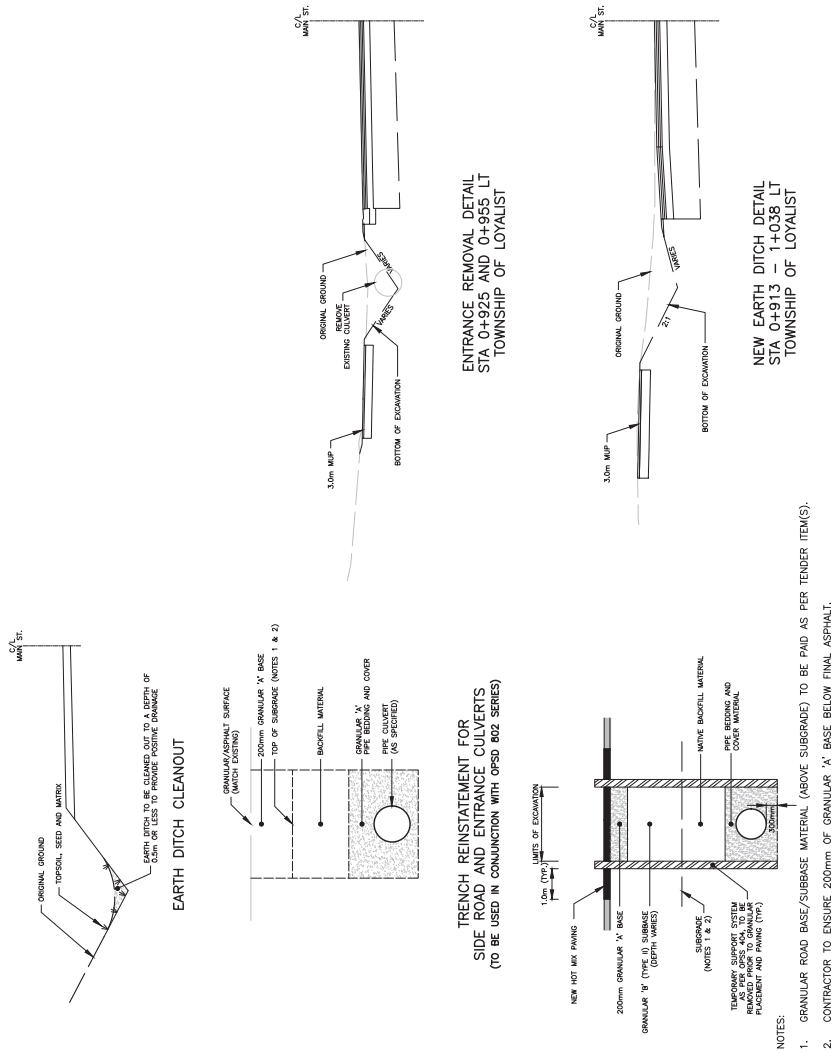
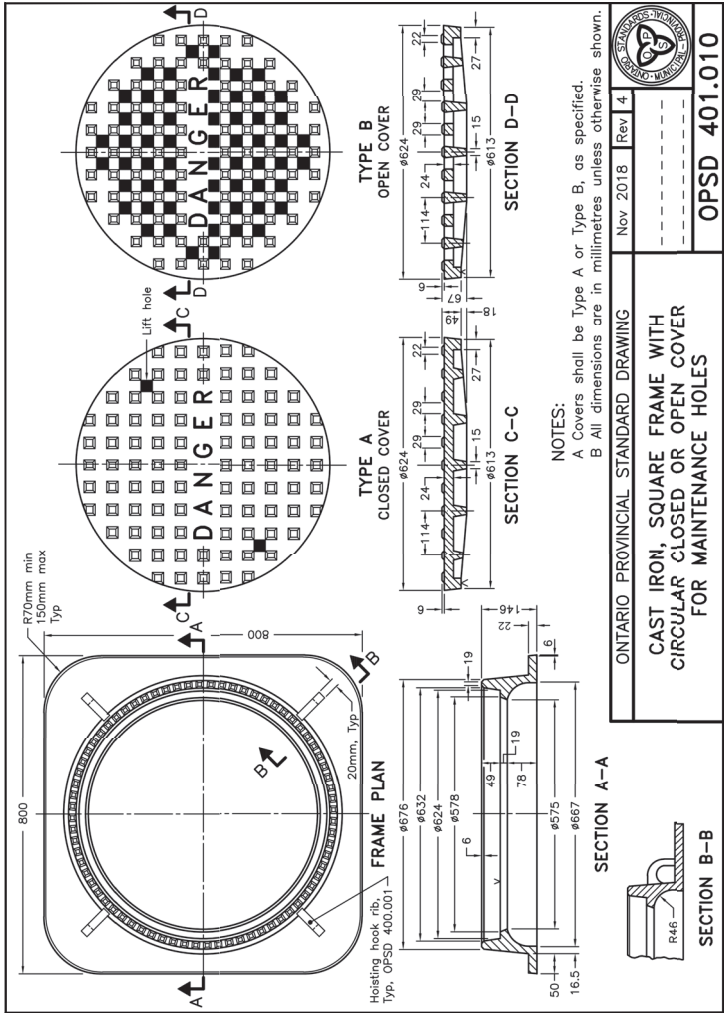
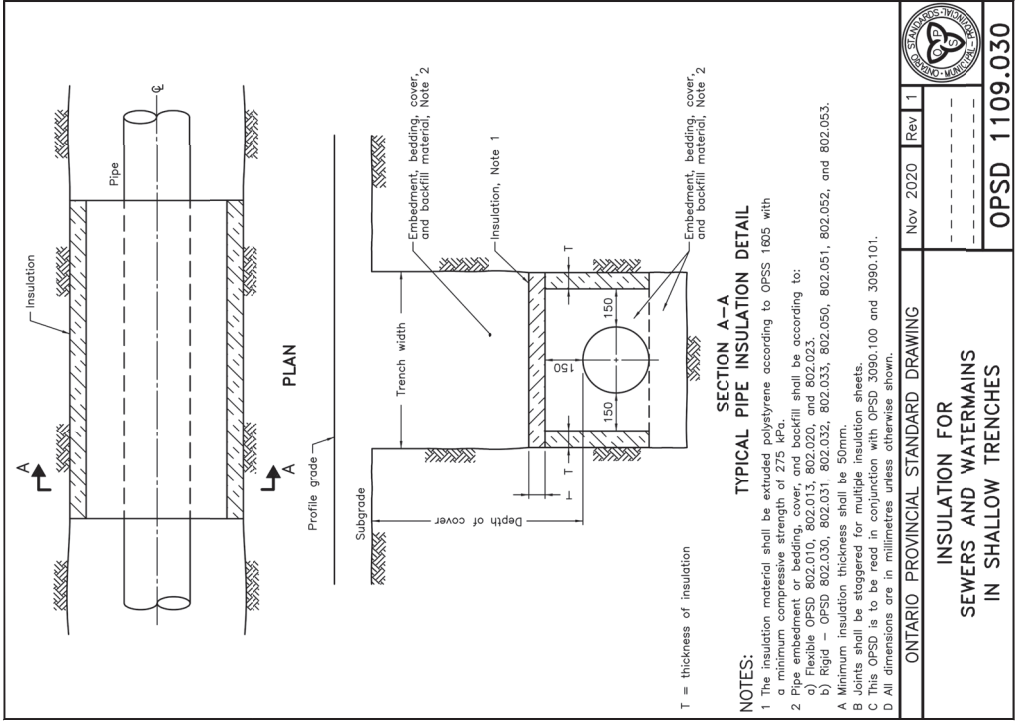


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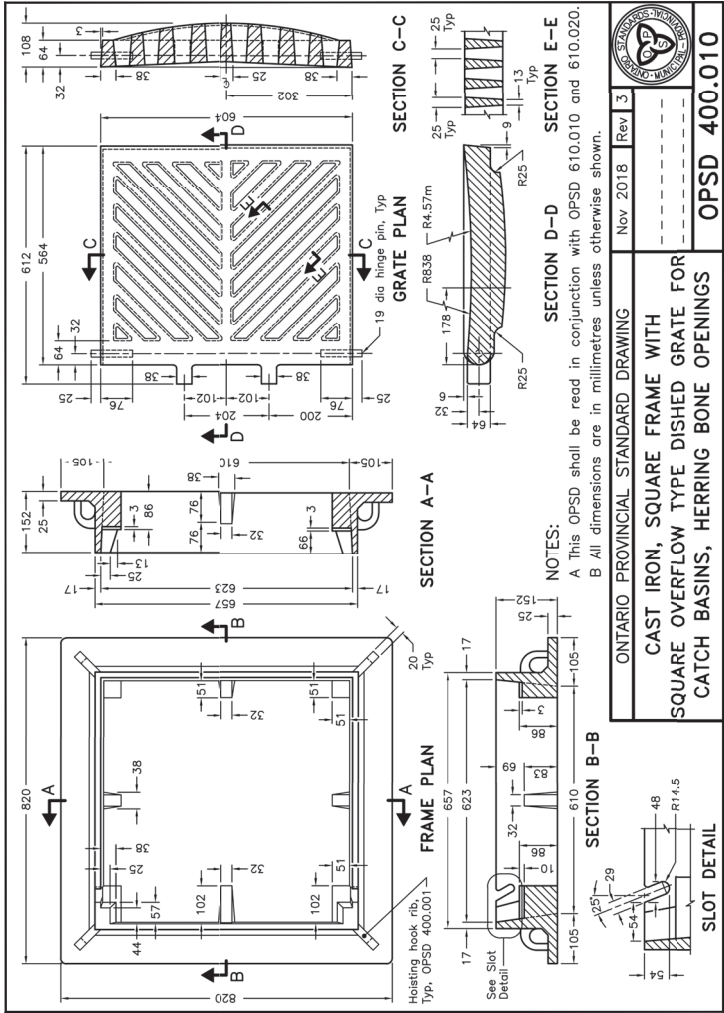
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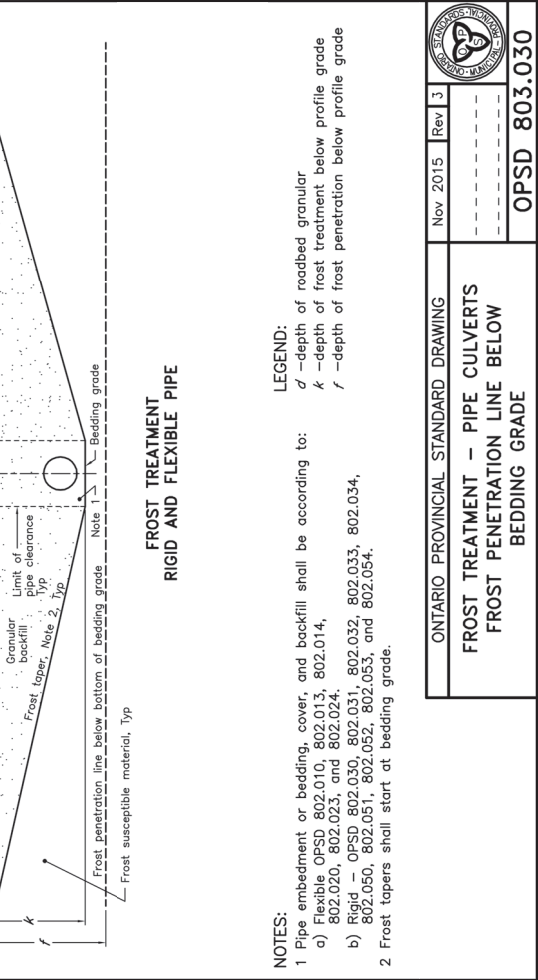
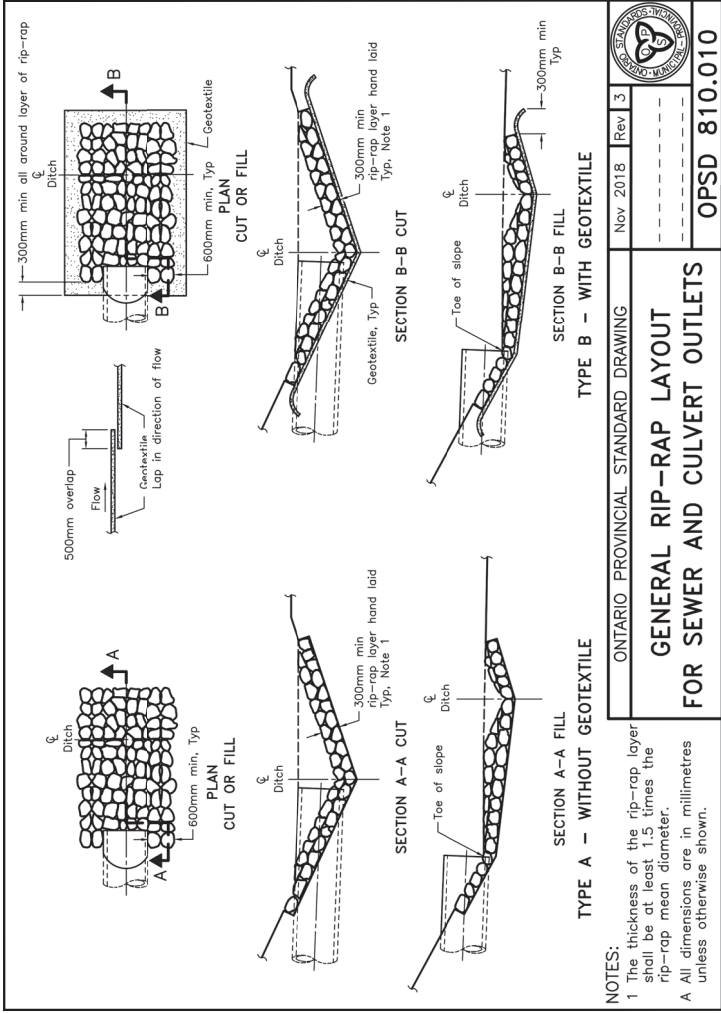
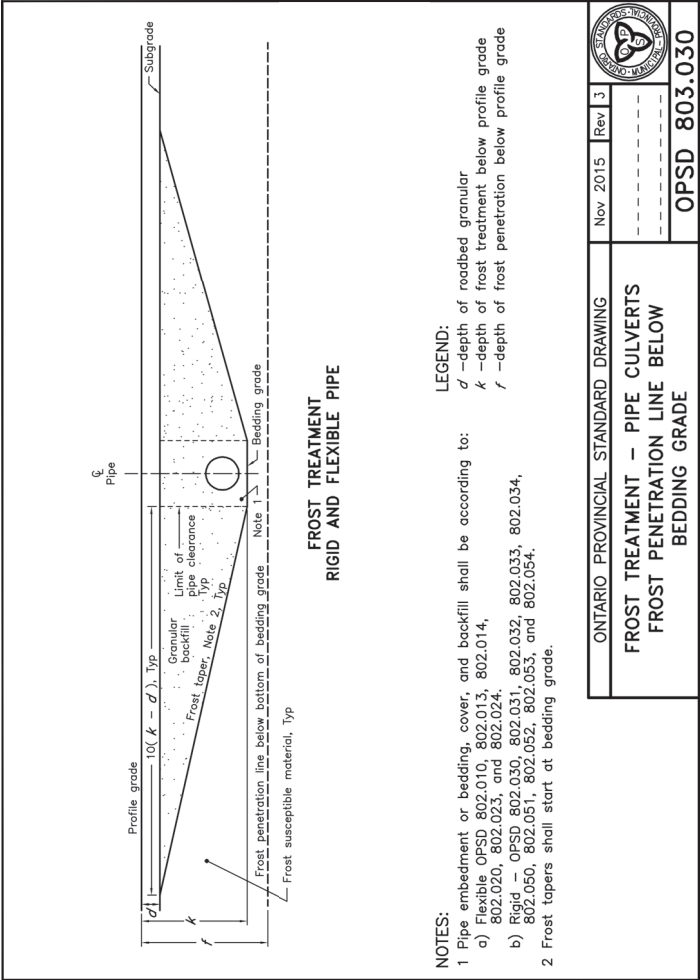
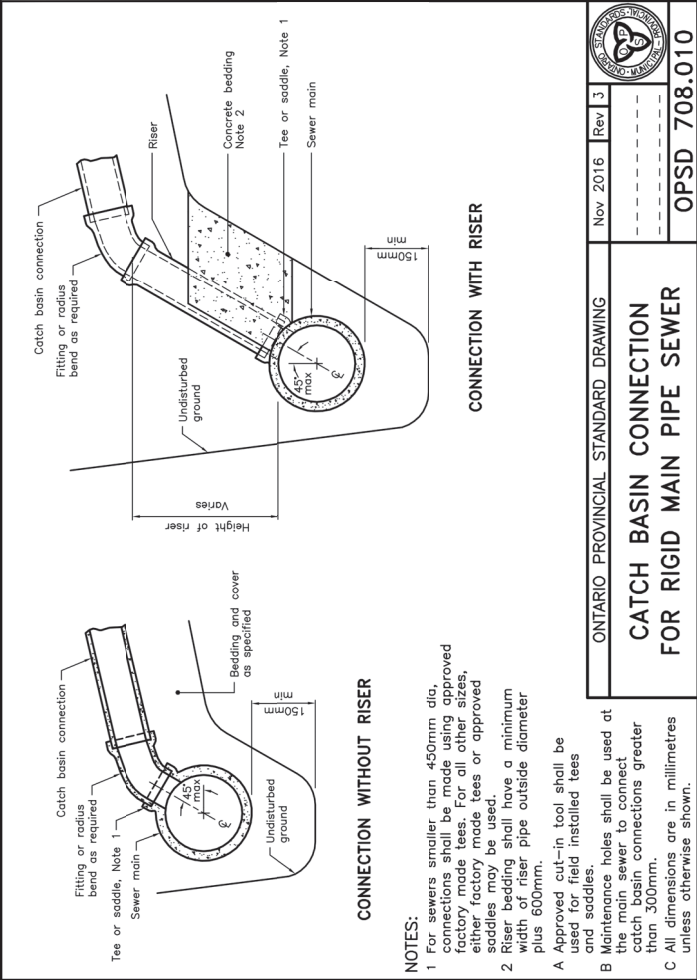
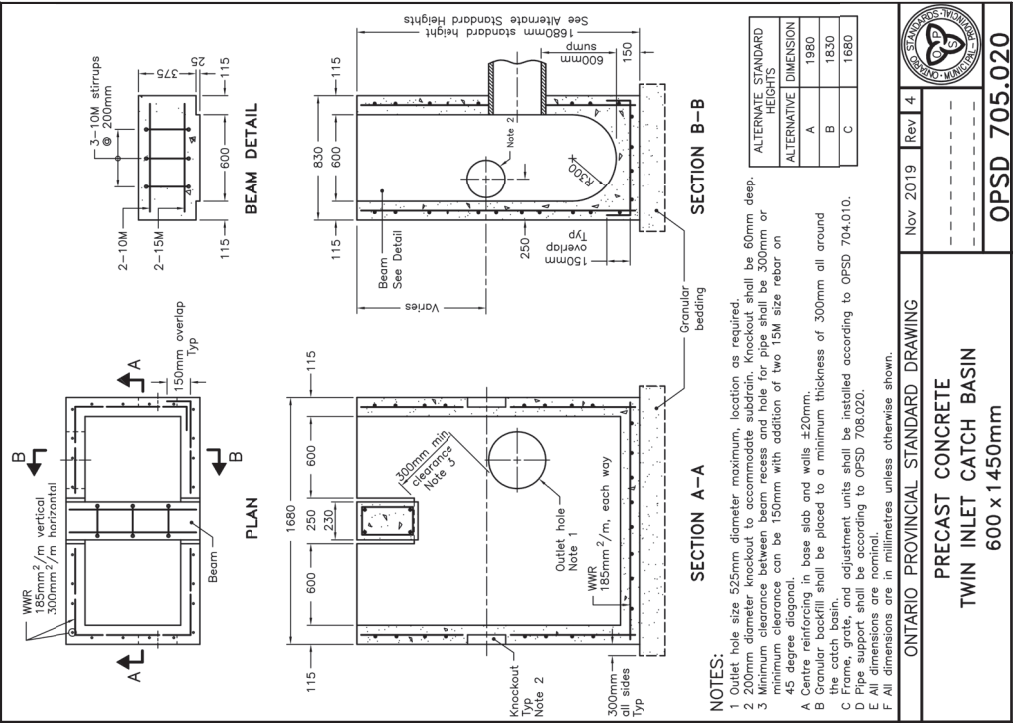
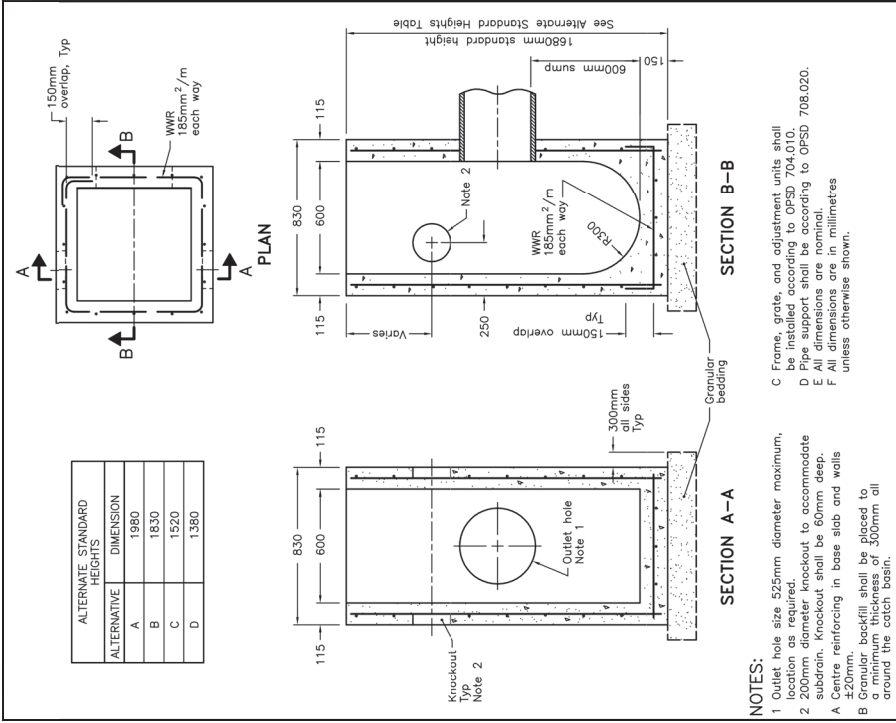
TYPICAL DETAILS

SHEET NUMBER
C01-1



PAVED SHOULDER WIDTH TRANSITION





PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP

263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
www.aecom.com

NOTES

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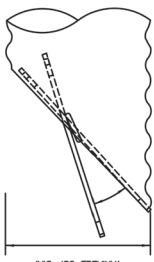
60724392

SHEET TITLE

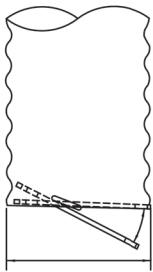
TYPICAL DETAILS

SHEET NUMBER

C03-1



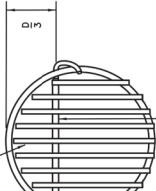
ELEVATION VIEW
(45° END)



ELEVATION VIEW
(SQ. END)

PIVOT ARM 8 mm DIA BAR (PROTRUDING THRU PIPE ABOUT 25 mm FROM ENDS)

GRATE BARS 10 mm DIA AT 50 mm CTRS



10 mm ID SCH 40 PIPE

NOTES

1. MATERIAL SHALL BE CSA G40.21 OR 235W (MIN).
2. PIVOT ARM SHALL BE 8 mm DIA BAR (PROTRUDING THRU PIPE ABOUT 25 mm FROM ENDS).

ABRASION RESISTANT IMBERSION GRADE EPOXY OR HOT DIP GALVANIZED.

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED.

STORM SEWER OUTFALL GRATE FOR CSP
(150 mm TO 700 mm PIPE)

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613.386.7351 tel
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AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
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SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER

C04--1

PROJECT

BATH MAIN STREET
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LOYALIST TOWNSHIP
263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
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SHEET TITLE

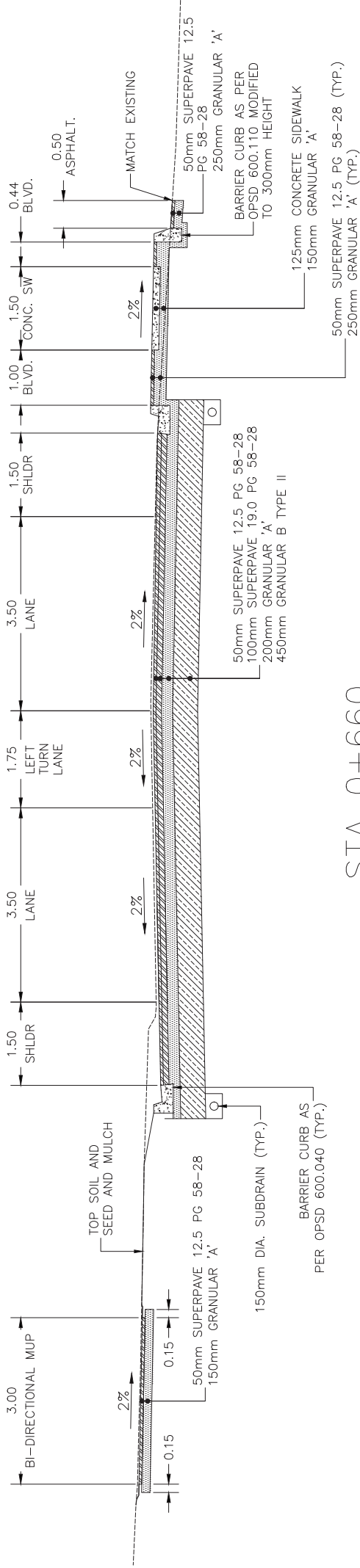
TYPICAL CROSS SECTIONS
STA. 0+660 & STA. 0+820

SHEET NUMBER

C05-1

NORTH

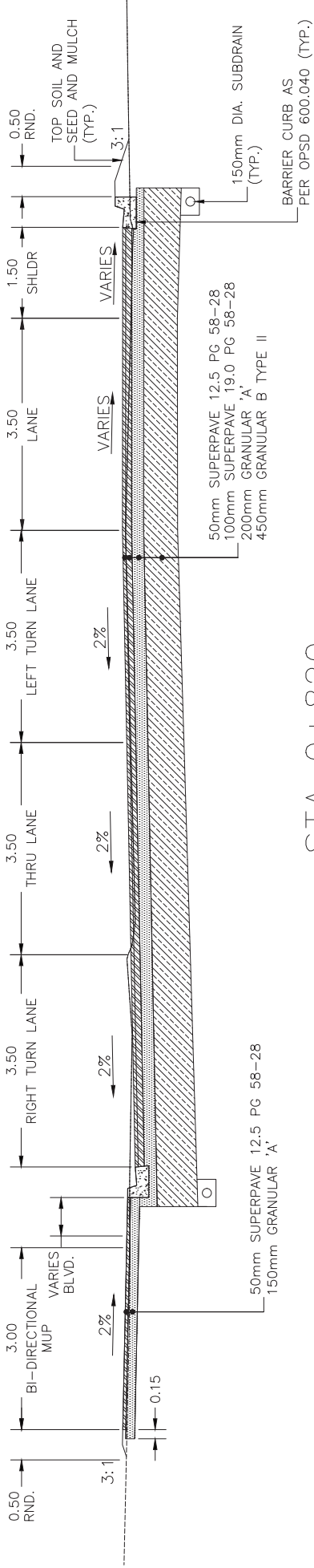
SOUTH



STA 0+660

NORTH

SOUTH



STA 0+820

PROJECT

BATH MAIN STREET CONNECTING LINK RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP

263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE

SUITE 302
OTTAWA, ON
613.820.8282 tel
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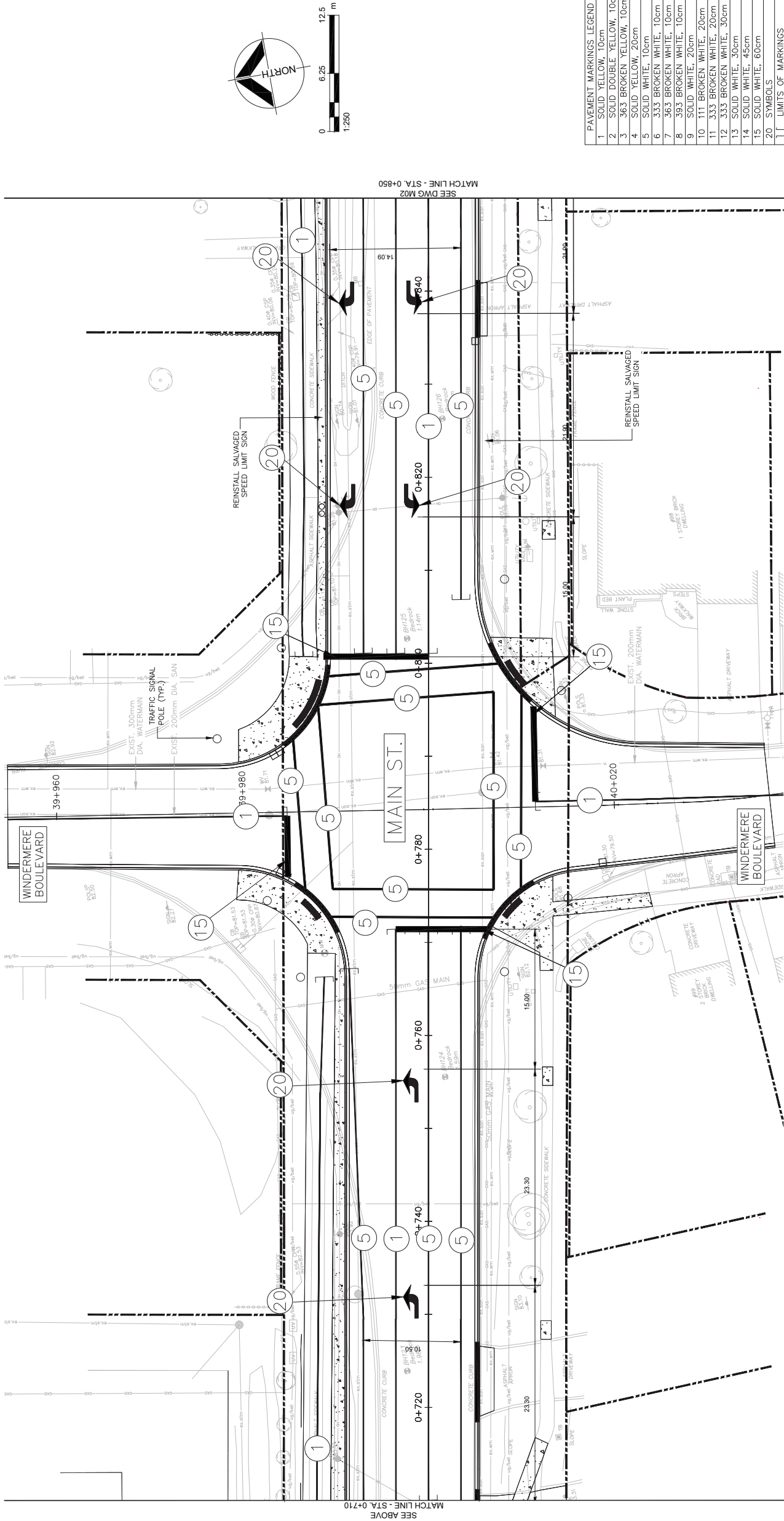
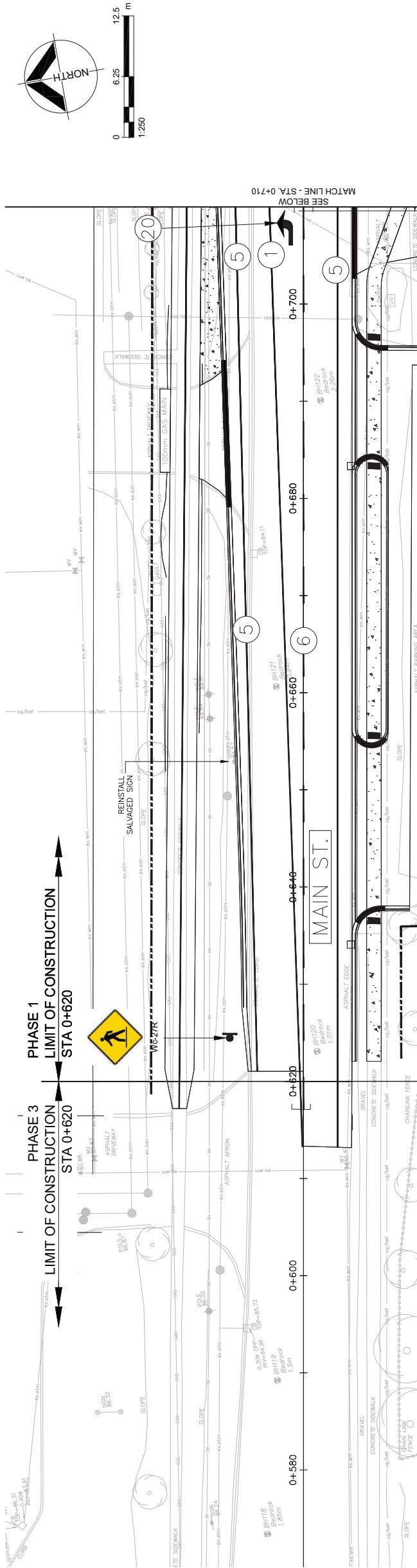
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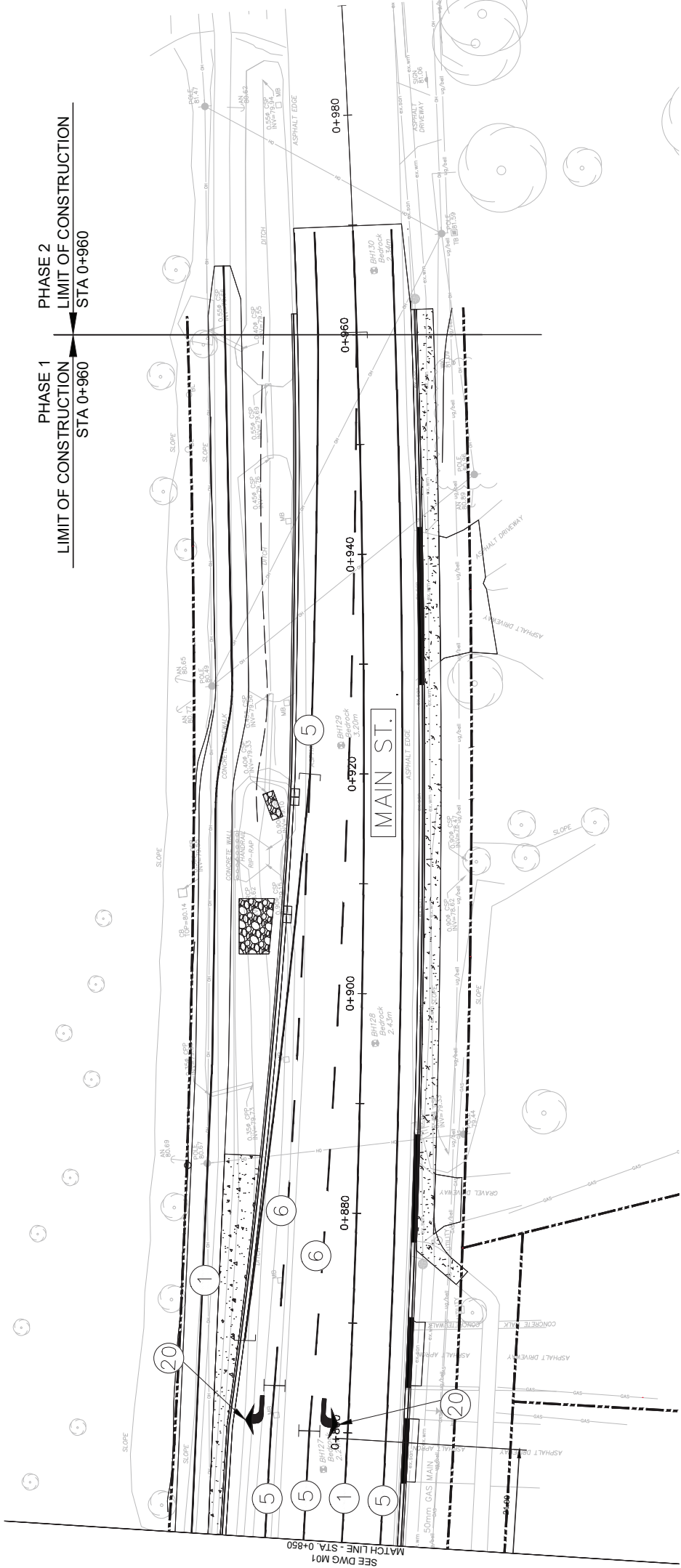
PAVEMENT MARKINGS & SIGNAGE
STA. 0+610 TO STA. 0+850

SHEET NUMBER

M01-1



PAVEMENT MARKINGS LEGEND	
1	SOLID YELLOW, 10cm
2	SOLID DOUBLE YELLOW, 10cm
3	363 BROKEN YELLOW, 10cm
4	SOLID YELLOW, 20cm
5	SOLID WHITE, 10cm
6	333 BROKEN WHITE, 10cm
7	363 BROKEN WHITE, 10cm
8	393 BROKEN WHITE, 10cm
9	SOLID WHITE, 20cm
10	111 BROKEN WHITE, 20cm
11	333 BROKEN WHITE, 20cm
12	363 BROKEN WHITE, 30cm
13	SOLID WHITE, 30cm
14	SOLID WHITE, 45cm
15	SOLID WHITE, 60cm
20	SYMBOLS
[	LIMITS OF MARKINGS



PAVEMENT MARKINGS LEGEND	
1	SOLID YELLOW, 10cm
2	SOLID DOUBLE YELLOW, 10cm
3	363 BROKEN YELLOW, 10cm
4	SOLID YELLOW, 20cm
5	SOLID WHITE, 10cm
6	333 BROKEN WHITE, 10cm
7	363 BROKEN WHITE, 10cm
8	393 BROKEN WHITE, 10cm
9	SOLID WHITE, 20cm
10	111 BROKEN WHITE, 20cm
11	333 BROKEN WHITE, 20cm
12	333 BROKEN WHITE, 30cm
13	SOLID WHITE, 30cm
14	SOLID WHITE, 45cm
15	SOLID WHITE, 60cm
20	SYMBOLS
]] LIMITS OF MARKINGS	

PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

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263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
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SHEET TITLE

PAVEMENT MARKINGS & SIGNAGE
STA. 0+850 TO STA. 0+970

SHEET NUMBER

M02-1

LEGEND

- 
HO
- 
ups
- 
HYDRO POLE (EXISTING)
- 
TRAFFIC SIGNAL POLE
- 
TRAFFIC CONTROLLER CABINET
- 
HIGHWAY TYPE TRAFFIC SIGNAL HEAD
- 
PEDESTAL POWER SUPPLY WITH CONCRETE BASE
- 
LUMINAIRE & BRACKET
- 
GROUND ROD
- 
HAND HOLE
- 
DETECTION ZONE
- 
DUCT
- 
ACCESSIBLE PEDESTRIAN PUSH BUTTON WITH AUDIBLE TONE/CUCKOO
- 
ACCESSIBLE PEDESTRIAN SIGNAL WITH AUDIBLE TONE/MELODY
- 
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN MODULE
- 
NON-INTRUSIVE DETECTOR (RADAR DETECTOR)
- 
VEHICLE PRE-EMPTION

ABBREVIATION

- EHP -- EXISTING HYDRO POLE
- HH -- HAND HOLE
- NID -- NON-INTRUSIVE DETECTION ZONE
- P -- POLE
- TC -- TRAFFIC SIGNAL CONTROLLER CABINET
- MD -- NON-INTRUSIVE DETECTOR
- VP -- VEHICLE PRE-EMPTION

NOTES:

1. CONTRACTOR SHALL LEAVE SUFFICIENT CABLES (approx. 15m), CONDUIT AND WEATHER HEAD AT THE BASE OF HYDRO POLE EHP 301 FOR HYDRO ONE TO INSTALL AND REALIZE THE CONNECTIONS. CONTRACTOR SHALL COORDINATE POWER SUPPLY CONNECTION WORK WITH HYDRO ONE.

PROJECT

BATH MAIN STREET
CONNECTING LINK
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613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA Ltd.
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SUITE 302
OTTAWA, ON
613.820.7728 tel 613.820.8338 fax
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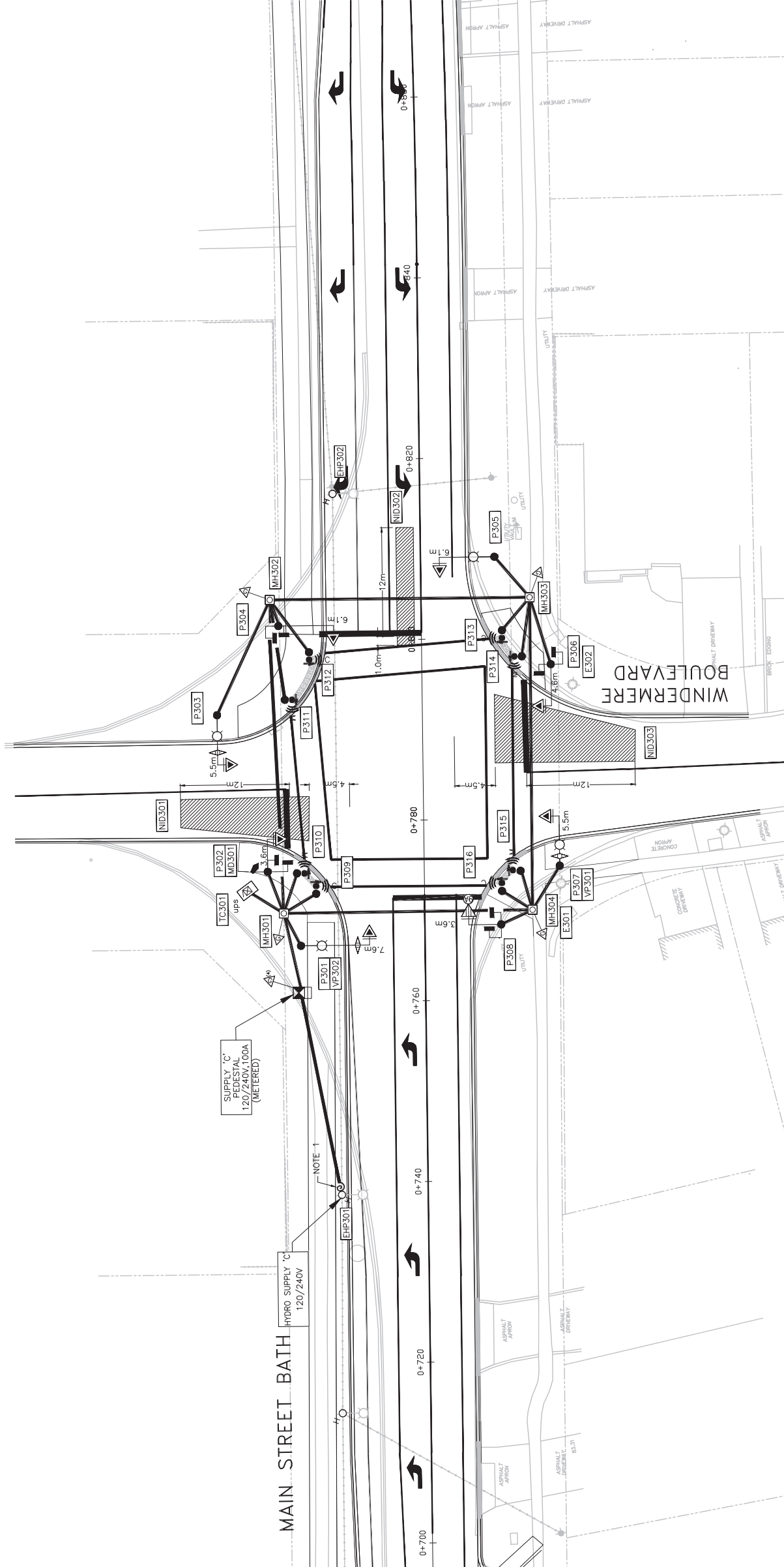
SHEET TITLE

TRAFFIC SIGNAL LAYOUT
MAIN STREET AT
WINDERMERE BOULEVARD

SHEET NUMBER

E03

SCALE



TRAFFIC SIGNALS & LIGHTING POLES SUMMARY

POLE DATA										FOOTING				LUMINAIRE				TRAFFIC SIGNAL			GROUNDING	REMARKS
POLE NO.	LOCATION	STATION	DISTANCE FROM C/L (m)	TYPE	HEIGHT (m)	CONCRETE BASE STANDARD	SIZE (mm)	ARM (mm)	FIXTURE LED (Watts)	MOUNTING HEIGHT (m)	VOLTS	MANUFACTURER	SIGNAL MAST ARM (m)	MOUNTING HEIGHT (m)	TYPE	BRACKET TYPE	MOUNTING HEIGHT (m)				RODS (EACH)	
P301	MAIN STREET BATH	0+766.2	13.8 L	HEAVY DUTY SECTIONAL STEEL POLE	10.5	MTOD 2200.050	1070	2.4	119 (TYPE II)	11.4	120 V	CREE LIGHTING: GWM-A-20L-40K7-3M	7.6	5.0	OVERSIZE HWY	—	—				—	WITH PRE-EMPTION
P302	MAIN STREET BATH	0+774.5	17.3 L	SECTIONAL STEEL POLE	7.0	OPSD 2200.01	760	—	—	—	—	CREE LIGHTING: GWM-A-20L-40K7-3M	3.6	5.0	OVERSIZE HWY	2-VERTICAL BRACKET	2.75				—	WITH 2-PEDESTRIAN SIGNAL HEAD WITH 1-NON-INTRUSIVE DETECTOR
P303	MAIN STREET BATH	0+791.9	22.7 L	SECTIONAL STEEL POLE	10.5	OPSD 2200.01	760	2.4	119 (TYPE II)	11.4	120 V	CREE LIGHTING: GWM-A-20L-40K7-3M	5.5	5.0	OVERSIZE HWY	—	—				—	WITH PRE-EMPTION
P304	MAIN STREET BATH	0+801.7	15.8 L	HEAVY DUTY SECTIONAL STEEL POLE	7.5	MTOD 2200.050	915	—	—	—	—	CREE LIGHTING: GWM-A-20L-40K7-3M	6.1	5.0	OVERSIZE HWY	2-VERTICAL BRACKET	2.75				—	WITH 2-PEDESTRIAN SIGNAL HEAD
P305	MAIN STREET BATH	0+809.0	8.2 R	HEAVY DUTY SECTIONAL STEEL POLE	10.5	MTOD 2200.050	1070	2.4	119 (TYPE II)	11.4	120 V	CREE LIGHTING: GWM-A-20L-40K7-3M	6.1	5.0	OVERSIZE HWY	—	—				—	WITH 2-PEDESTRIAN SIGNAL HEAD
P306	MAIN STREET BATH	0+797.2	14.3 R	SECTIONAL STEEL POLE	7.0	OPSD 2200.01	760	—	—	—	—	CREE LIGHTING: GWM-A-20L-40K7-3M	4.6	5.0	OVERSIZE HWY	2-VERTICAL BRACKET	2.75				—	WITH 2-PEDESTRIAN SIGNAL HEAD
P307	MAIN STREET BATH	0+774.6	15.0 R	SECTIONAL STEEL POLE	10.5	OPSD 2200.01	760	2.4	119 (TYPE II)	11.4	120 V	CREE LIGHTING: GWM-A-20L-40K7-3M	5.5	5.0	OVERSIZE HWY	—	—				—	WITH 2-PEDESTRIAN SIGNAL HEAD
P308	MAIN STREET BATH	0+768.4	8.5 R	SECTIONAL STEEL POLE	7.0	OPSD 2200.01	760	—	—	—	—	CREE LIGHTING: GWM-A-20L-40K7-3M	3.6	5.0	SPEC. TYPE (9A)	2-VERTICAL BRACKET	2.75				—	WITH 2-PEDESTRIAN SIGNAL HEAD
P309	MAIN STREET BATH	0+772.0	12.0 L	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P310	MAIN STREET BATH	0+774.3	14.1 L	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P311	MAIN STREET BATH	0+793.5	15.2 L	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P312	MAIN STREET BATH	0+798.7	12.5 L	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P313	MAIN STREET BATH	0+809.0	8.9 R	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P314	MAIN STREET BATH	0+798.0	11.1 R	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P315	MAIN STREET BATH	0+774.3	10.7 R	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND
P316	MAIN STREET BATH	0+772.0	8.6 R	ALUMINUM POLE	1.5	OPSD 2200.041	300	—	—	—	—	—	—	—	—	—	—				—	WITH 1-ACCESSIBLE PEDESTRIAN SIGNAL STATION AND

PROJECT
BATH MAIN STREET
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RECONSTRUCTION

CLIENT
LOYALIST TOWNSHIP
263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT
AECOM CANADA Ltd.
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.7728 tel
613.820.8338 fax
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**GOEL GROUP LIMITED**
Consulting Engineers www.goelgroup.ca



PROJECT NUMBER
60724392

SHEET TITLE
ELECTRICAL DETAILS - 2
MAIN STREET AT
WINDERMERE BOULEVARD

SHEET NUMBER
E07

ELECTRICAL MAINTENANCE HOLES SUMMARY

NO.	LOCATION	STATION	DISTANCE FROM		STANDARD/ MANUFACTURER	REMARKS	REMARKS
			C/L (m)				
MH1	MAIN STREET BATH	0+769.9	15.6	L	OPSD 2111.02 2117.01 2123.01 2116.02	600 X 1450mm	WITH 1-GROUND ROD
MH2	MAIN STREET BATH	0+804.6	16.7	L	OPSD 2111.02 2117.01 2123.01 2116.02	600 X 1450mm	WITH 1-GROUND ROD
MH3	MAIN STREET BATH	0+804.5	12.2	R	OPSD 2111.02 2117.01 2123.01 2116.02	600 X 1450mm	WITH 1-GROUND ROD
MH4	MAIN STREET BATH	0+769.9	11.9	R	OPSD 2111.02 2117.01 2123.01 2116.02	600 X 1450mm	WITH 1-GROUND ROD

POWER SUPPLY

SUPPLY NO.	LOCATION	STATION	DISTANCE FROM C/L (m)	REMARKS
PEDESTAL SUPPLY 'C'	MAIN STREET BATH & WINDERMERE BLVD.	0+761.3	14.0 L	WITH 4-GROUND RODS

TRAFFIC SIGNAL CONTROLLER

NO.	LOCATION	STATION	DISTANCE FROM C/L (m)	REMARKS
TC1	MAIN STREET BATH & WINDERMERE BLVD.	0+772.4	19.6 L	

PROJECT

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K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM
AECOM CANADA Ltd.
11750 MORRISON DRIVE
SUITE 302
OTTAWA, ON
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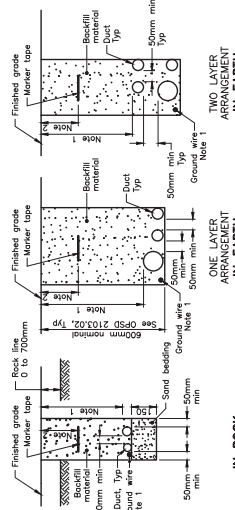
SHEET TITLE

**ELECTRICAL DETAILS - 3
MAIN STREET**

SHEET NUMBER

E08

MINIMUM TRENCH WIDTH FOR ONE LAYER AND TWO LAYER DUCT ARRANGEMENT											
No. of 100 mm DUCTS	No. of LAYERS	NUMBER OF 50 mm DUCTS									
		1	2	3	4	5	6	7	8	9	10
0	1	N/A	150	205	300	400	460	610	N/A	N/A	N/A
	2	N/A	N/A	N/A	205	350	460	610	610	N/A	N/A
1	1	150	255	460	610	610	N/A	N/A	N/A	N/A	N/A
	2	N/A	N/A	205	255	300	460	610	610	N/A	N/A
2	1	300	460	610	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2	150	255	255	460	460	610	610	610	N/A	N/A
3	1	460	610	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2	300	300	460	460	610	610	610	N/A	N/A	N/A
4	1	610	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2	300	460	460	610	610	N/A	N/A	N/A	N/A	N/A



NOTES:

Ground wire shall be installed in the duct or trench as specified in the Contract Documents.

Depth of marker tape shall be as specified in the Ontario Electrical Safety Code.

Cable tray support slab shall be installed where specified in the Contract Documents.

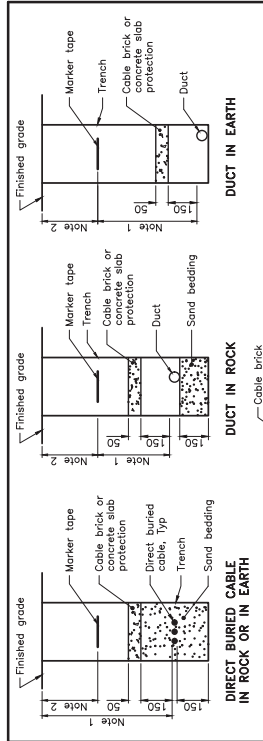
Schedule 40C pipe shall be used in conjunction with QPSP 2100-050.

This QPSP shall be read in conjunction with QPSP 2103-02.

Contractor has the option of installing one or two layer duct arrangement.

N/A – Not applicable, undesirable or exceeding equipment limits.

DUCT INSTALLATION IN TRENCHES	ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 1	
	OPSPD 2101.01			



150

30

300

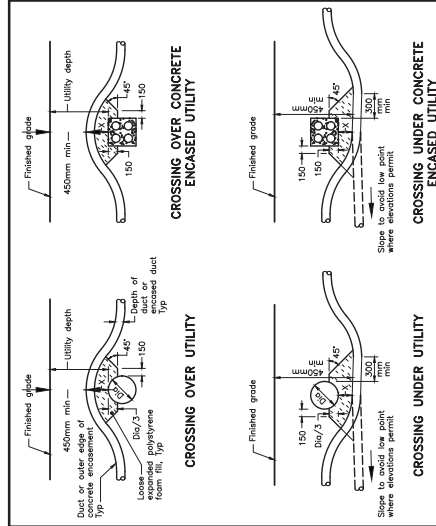
ELECTRICITY
DANGER

CABLE BRICK

the Ontario Electrical Safety Code

CABLE BRONX

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 0	
CABLE AND DUCT PROTECTION AND MARKING			
OPSD 2100.050			

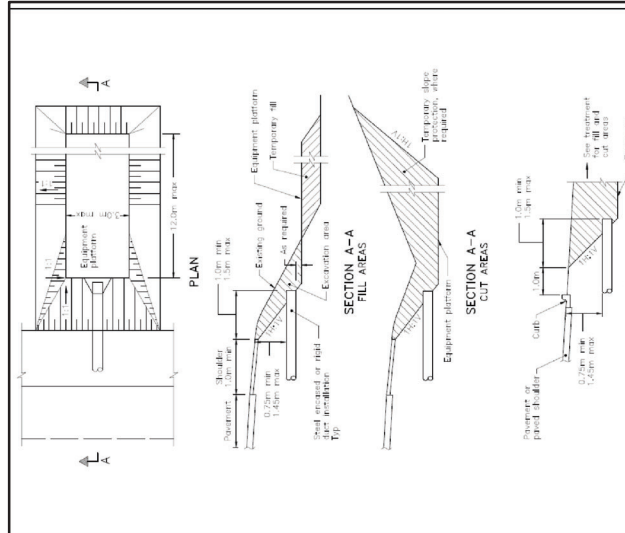


NOTES:
A The required clearance between the utility and the ducts or concrete encasement

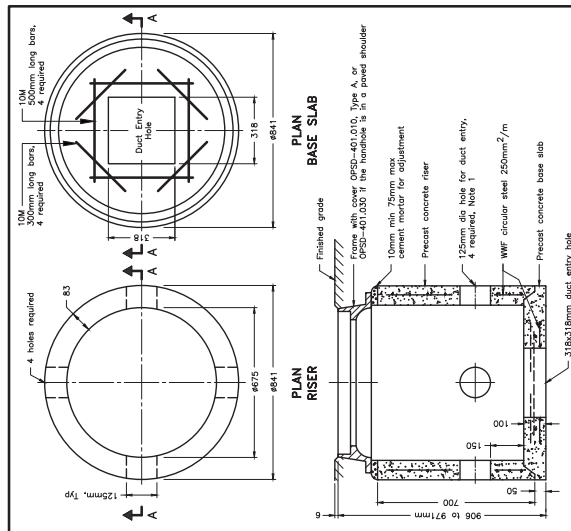
UTILITY	X mm min
Ducts, direct buried or encased	100
All other pipes	300
High voltage cables	300
All other cables	300

B Trench widths shall be kept to the minimum required for working space. Manual excavation and backfill methods shall be used with the utility supported in place, when required, when crossing under a utility is necessary.

C All dimensions are in millimetres unless otherwise shown.

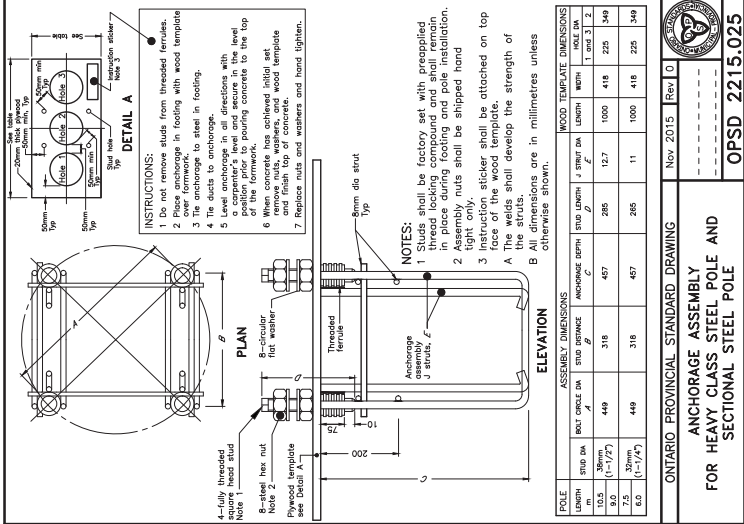
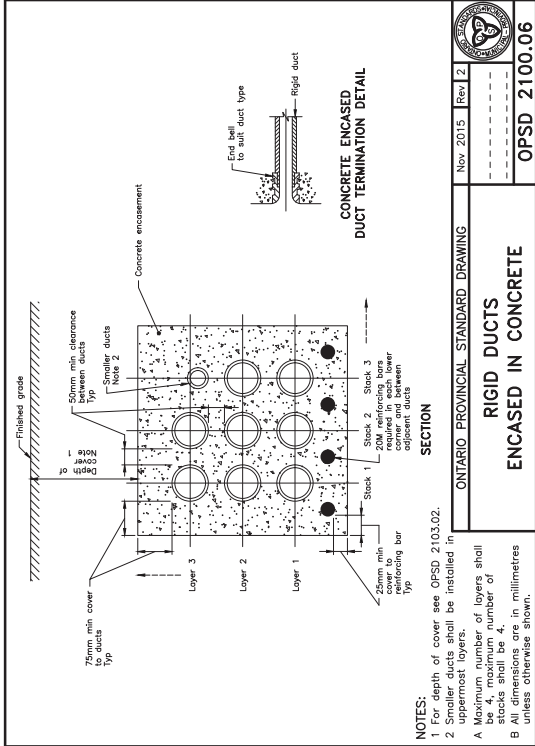
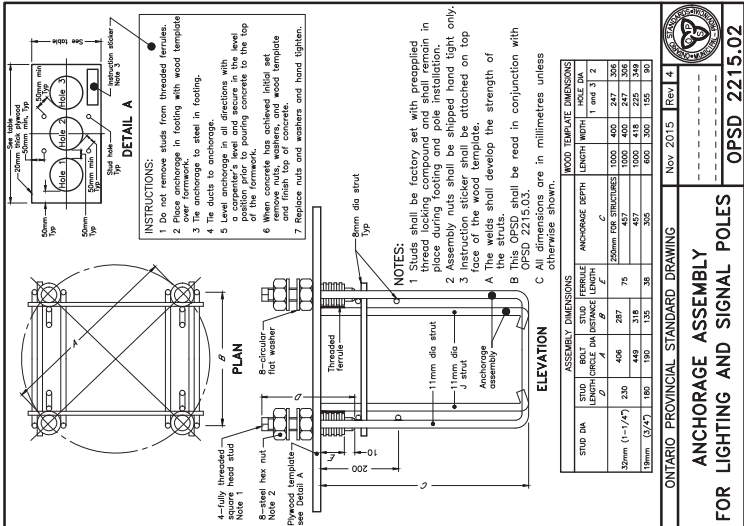
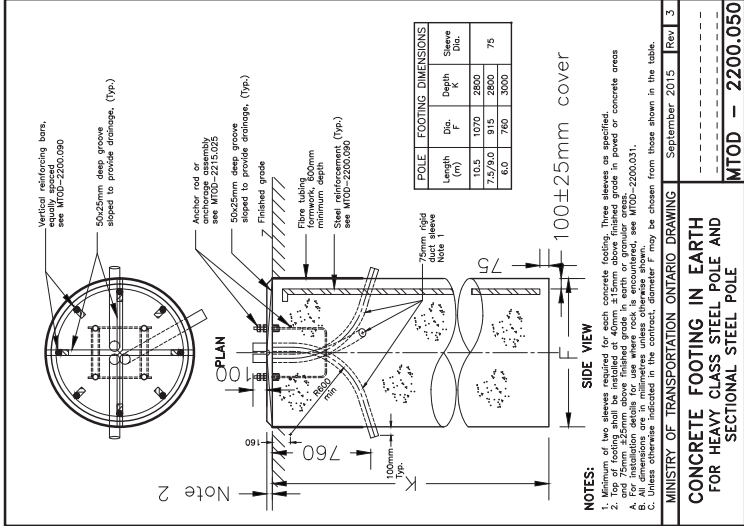
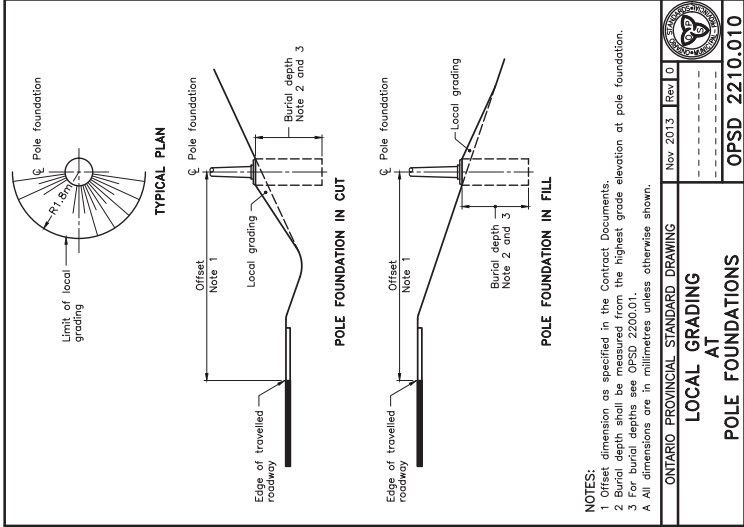
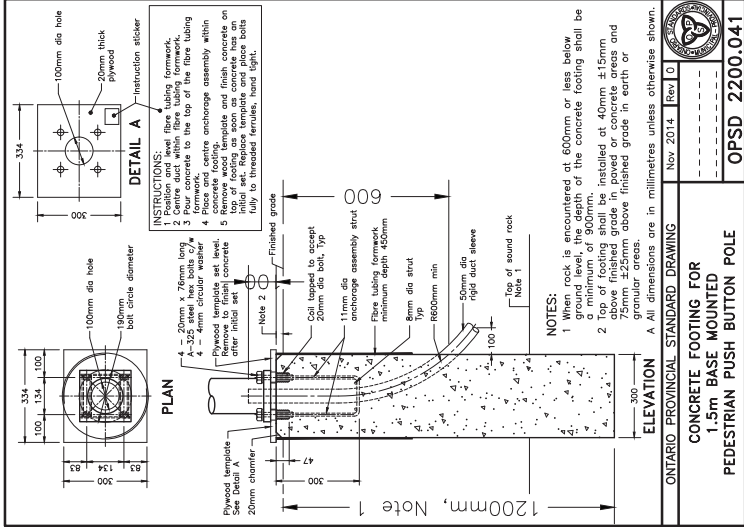
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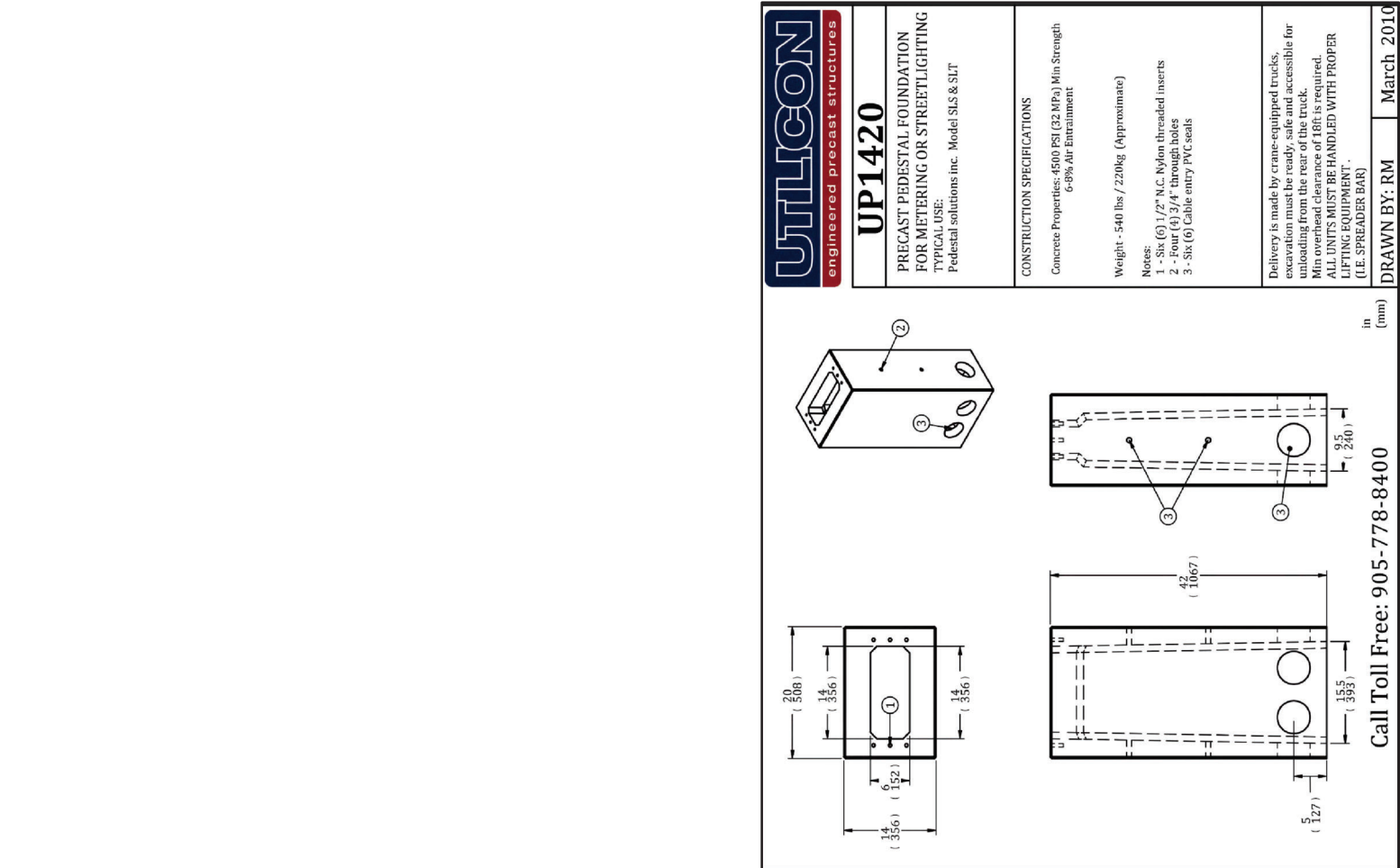
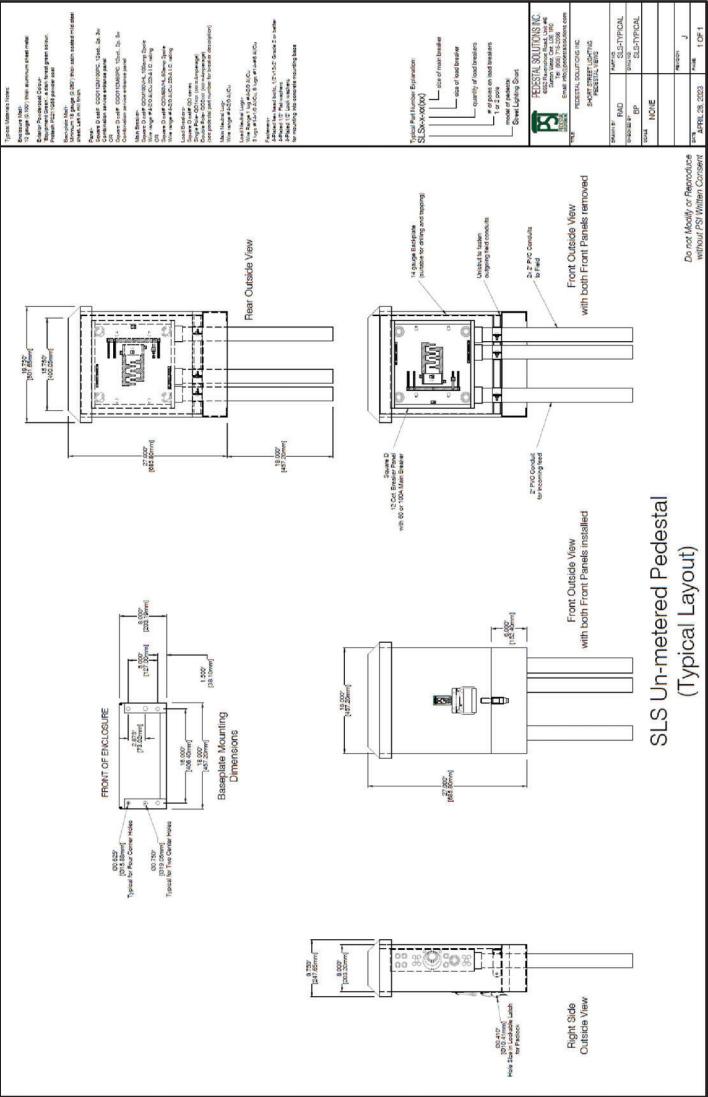
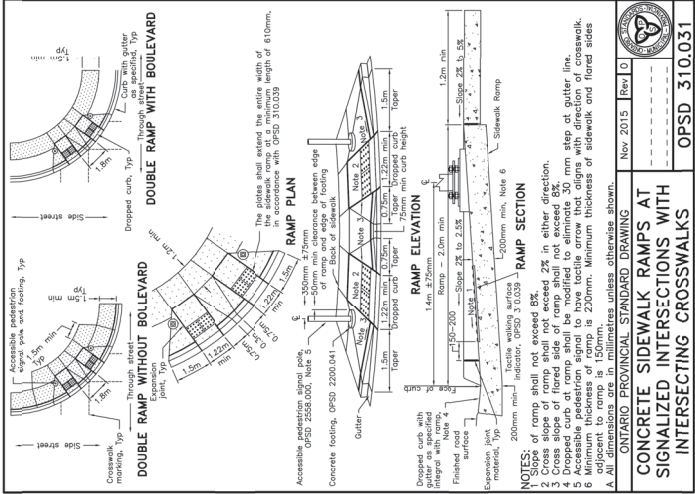
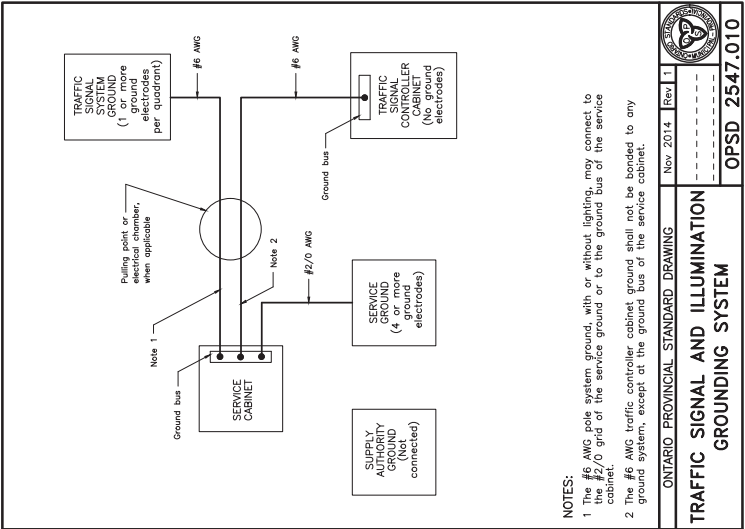
ONTARIO PROVINCIAL STANDARD DRAWING		Apr 2024	Rev	
AUGERING PITS FOR SUBSURFACE INSTALLATION OF DUCTS AND ENCASEMENTS		---	---	
				QPSD 2103.060



NOTES:
 1 For duct installation details see OPSPD-2123.03.
 A For general installation details see OPSPD-2117.02.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2004	Rev	0
ELECTRICAL HANDHOLE PRECAST CONCRETE - 675mm DIAMETER			
			
OPSD - 2112 030			





PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP

263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA Ltd.
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.7728 tel 613.820.8338 fax
www.aecom.com

Not For Construction

REGISTRATION

ISSUE/REVISION

IR	DATE	DESCRIPTION
1	02/23/2026	Issued for Tender

GOEL GROUP LIMITED
Consulting Engineers www.goelgroup.ca



PROJECT NUMBER

60724392

SHEET TITLE

ELECTRICAL DETAILS - 8

MAIN STREET

SHEET NUMBER

E013

PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP
263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
www.aecom.com

NOTES

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REGISTRATION

ISSUE/REVISION

1	02/25/2026	ISSUED FOR TENDER
I/R	DATE	DESCRIPTION



PROJECT NUMBER

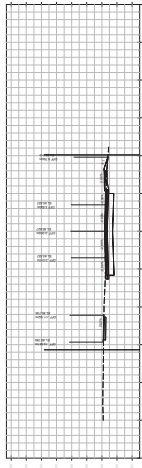
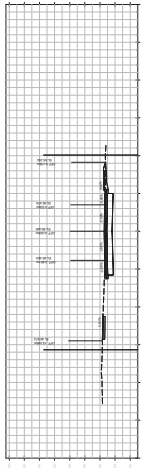
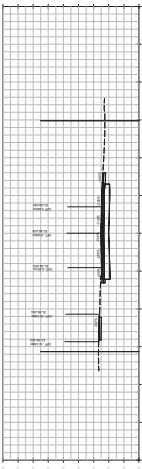
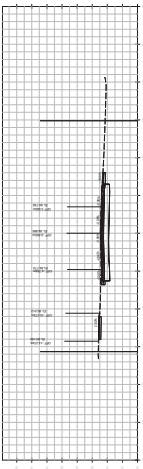
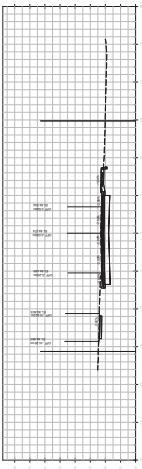
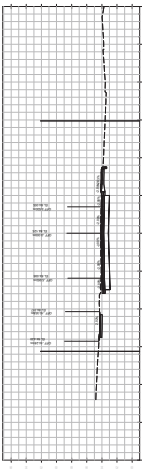
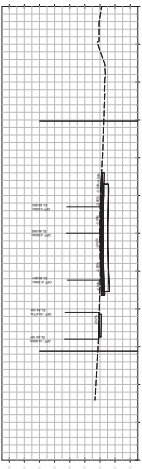
60724392

SHEET TITLE

CROSS SECTIONS
STA. 0+610.473 TO STA. 0+687.094

SHEET NUMBER

X01-1



PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

LOYALIST TOWNSHIP
263 MAIN STREET.
ODESSA, ON
K0H 2H0
613.386.7351 tel
www.loyalist.ca

CONSULTANT

AECOM CANADA ULC
1150 MORRISON DRIVE
SUITE 302
OTTAWA, ON
613.820.8282 tel
www.aecom.com

NOTES

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REGISTRATION

ISSUE/REVISION

1	02/25/2026
I/R	DATE
	ISSUED FOR TENDER
	DESCRIPTION



PROJECT NUMBER

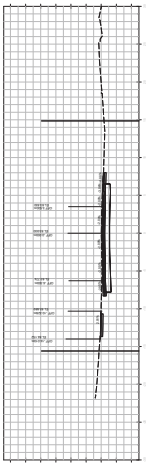
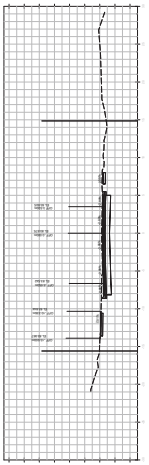
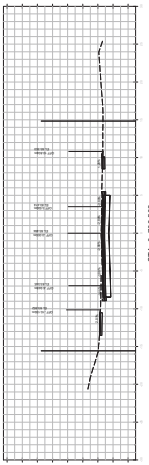
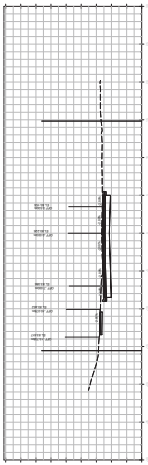
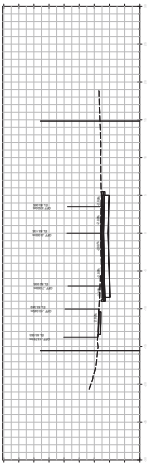
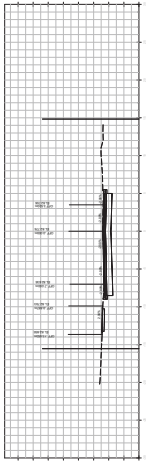
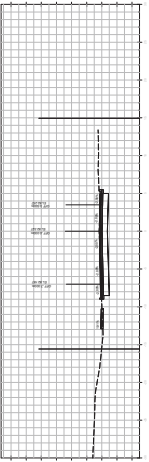
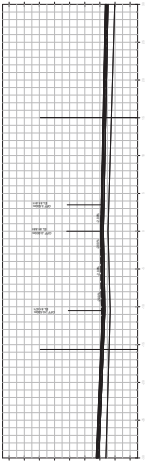
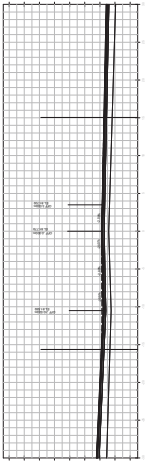
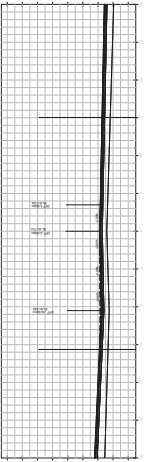
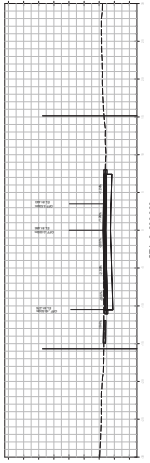
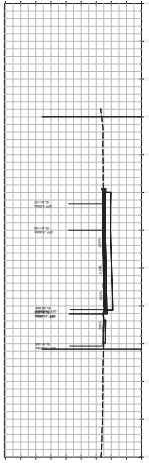
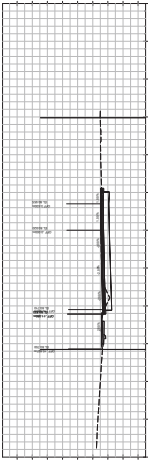
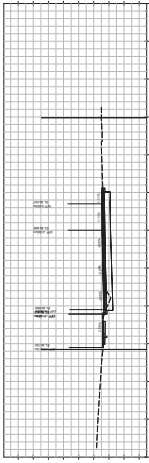
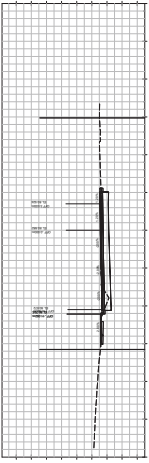
60724392

SHEET TITLE

CROSS SECTIONS
STA. 0+690 TO STA. 0+841.500

SHEET NUMBER

X02-1



PROJECT

BATH MAIN STREET
CONNECTING LINK
RECONSTRUCTION

CLIENT

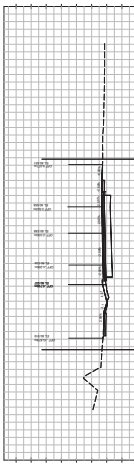
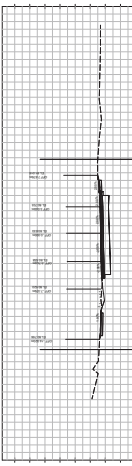
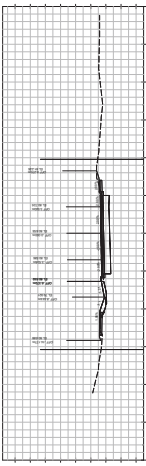
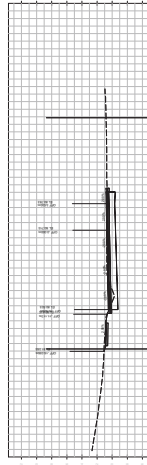
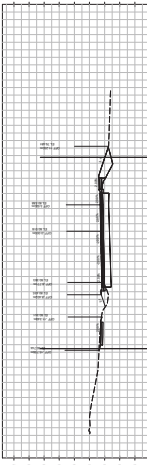
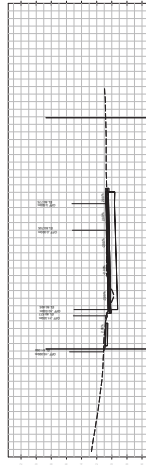
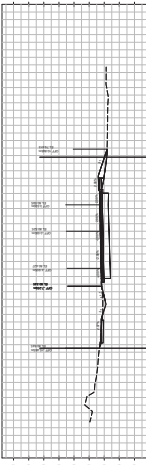
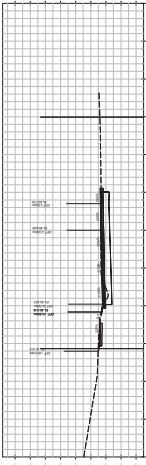
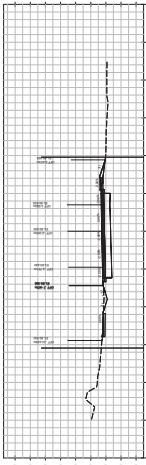
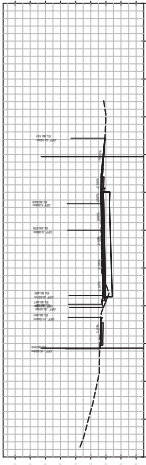
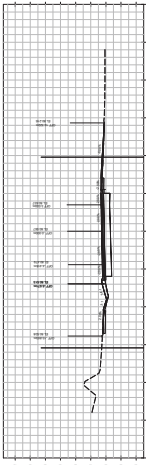
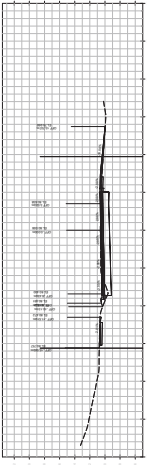
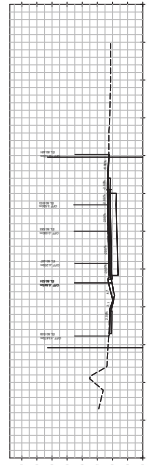
LOYALIST TOWNSHIP
263 MAIN STREET.
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613.386.7351 tel
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1150 MORRISON DRIVE
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1	02/25/2026	ISSUED FOR TENDER
I/R		



PROJECT NUMBER
60724392

SHEET TITLE
CROSS SECTIONS
STA. 0+858.977 TO STA. 0+960

SHEET NUMBER
X03-1