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# 8TH AVENUE REHABILITATION

EDSON, AB

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ISSUED FOR TENDER

WSP Project No:CA0048171.0443

Date: 2025/01/28



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We see the future more clearly and design for it today.



WSP CANADA INC. 131-27<sup>TH</sup> STREET, EDSON, ALBERTA, T7E 1N9 CANADA T 780-466-6555 | [www.wsp.com](http://www.wsp.com)

**NOTES:**

- THESE NOTES PERTAIN TO ALL THE SHEETS.
- ALL MEASUREMENTS ARE IN METRIC UNITS.
- ALL MEASUREMENTS ARE TAKEN FROM LIP OF GUTTER.
- ALL DEEP AND SHALLOW UTILITIES TO BE CONFIRMED IN THE FIELD BY THE ENGINEER AND CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL WORK TO BE COMPLETED IN ACCORDANCE WITH TOWN OF EDSON STANDARDS.
- EXISTING LOT & SURFACE DRAINAGE TO BACK OF SIDEWALK TO BE CONFIRMED IN THE FIELD BY THE ENGINEER AND CONTRACTOR PRIOR TO CONSTRUCTION TO ENSURE POSITIVE DRAINAGE.
- BACTERIOLOGICAL SAMPLES TO BE TAKEN FROM ALL HYDRANTS ALONG THE NEW WATER LINE AFTER PRESSURE TESTING AND FLUSHING. CONTRACTOR TO NOTIFY MUNICIPALITY PRIOR TO PRESSURE TESTING & FLUSHING ACTIVITIES.
- DRIVEWAYS, SIDEWALKS & WALKWAY TIE INS & AND REPLACEMENT TO BE DETERMINED BY ENGINEER AND CONFIRMED ON-SITE.

PLANS LEGEND		
SYMBOL NAME	EXISTING	PROPOSED
<b>SURFACE</b>		
GAS LINE TREE LINE TREE LIGHT POLE SIGN POWER POLE IRON PIN CONTROL POINT CONCRETE GRAVEL DRIVEWAY ASPHALT DRIVEWAY 300mm STANDARD CURB & GUTTER SIDEWALK FENCE		
<b>UNDERGROUND UTILITIES</b>		
SANITARY MANHOLE SANITARY LINE WATER VALVE FIRE HYDRANT FIRE HYDRANT WATER VALVE WATER LINE PRESSURE REDUCER VALVE CURB STOPS STORM MANHOLE STORM LINE CATCH BASIN		

PROFILE LEGEND		
PROFILES (H 1:500 V 1:100)		
SYMBOL NAME	EXISTING	PROPOSED
CENTER LINE 10m LEFT SOD 10m RIGHT SOD WATER LINE STORM LINE SANITARY LINE PRESSURE REDUCING VALVE		

SHEET LIST TABLE	
Sheet Number	Sheet Title
C000	COVER PAGE
C001	LEGEND SHEET LIST AND GENERAL NOTES
C100	8TH AVE EXISTING PLAN
C200	TEMPORARY WATER SERVICING PLAN
C201	8TH AVENUE PLAN PROFILE
C400	INTERSECTION GRADING PLAN
C500	CONCRETE AND CROSS SECTION DETAILS
C501	CONCRETE AND UNDERGROUND WATER DETAILS
C502	UNDERGROUND WATER DETAILS
C503	UNDERGROUND STORM AND SANITARY DETAILS
C504	UNDERGROUND WATER AND SANITARY DETAILS

REVISION:			
REV	DATE	DESCRIPTION	BY
2	2025/01/28	ISSUED FOR TENDER	MS
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ORIGINAL SCALE: ---- DATE: 2023/06/05

APPROVED BY: M.STEFFLER

CHECKED BY: D.OTTO

DRAWN BY: J.JOHNSTON

DESIGNED BY: M.STEFFLER

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

25mm

DISCIPLINE: TRANSPORTATION & INFRASTRUCTURE

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131-135 27 STREET  
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PROJECT NUMBER: CA0048171.0443

CLIENT:

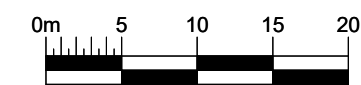
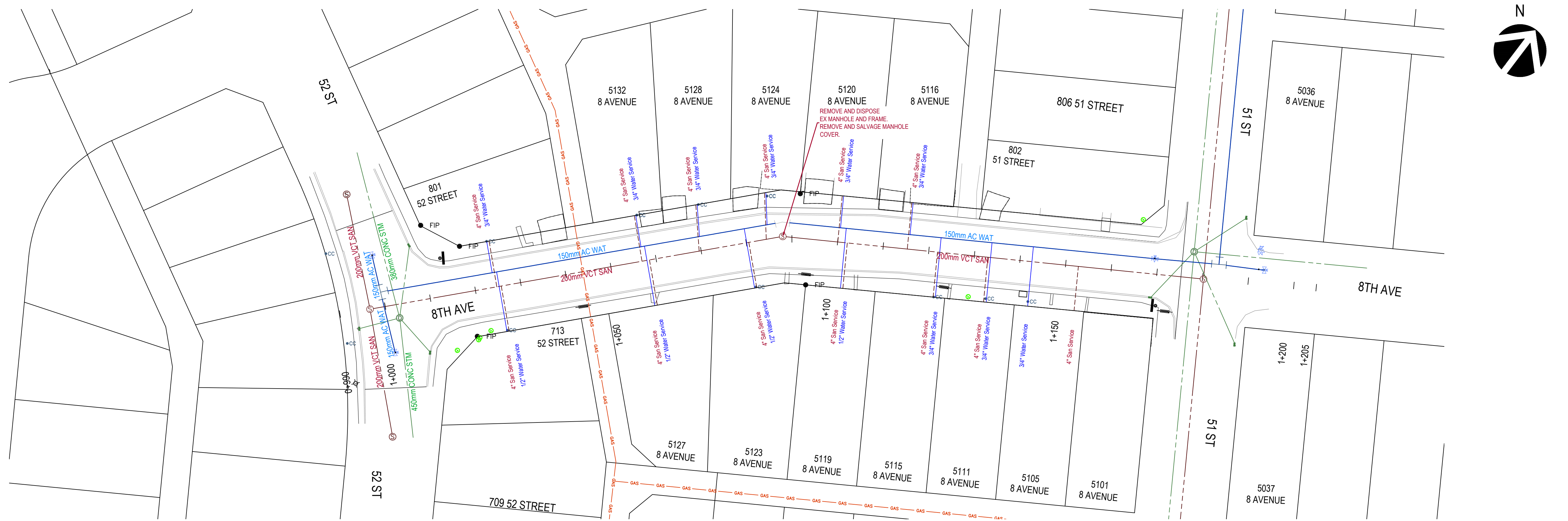
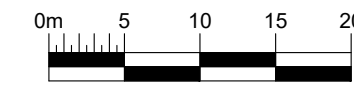
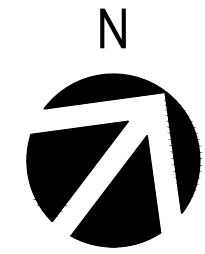
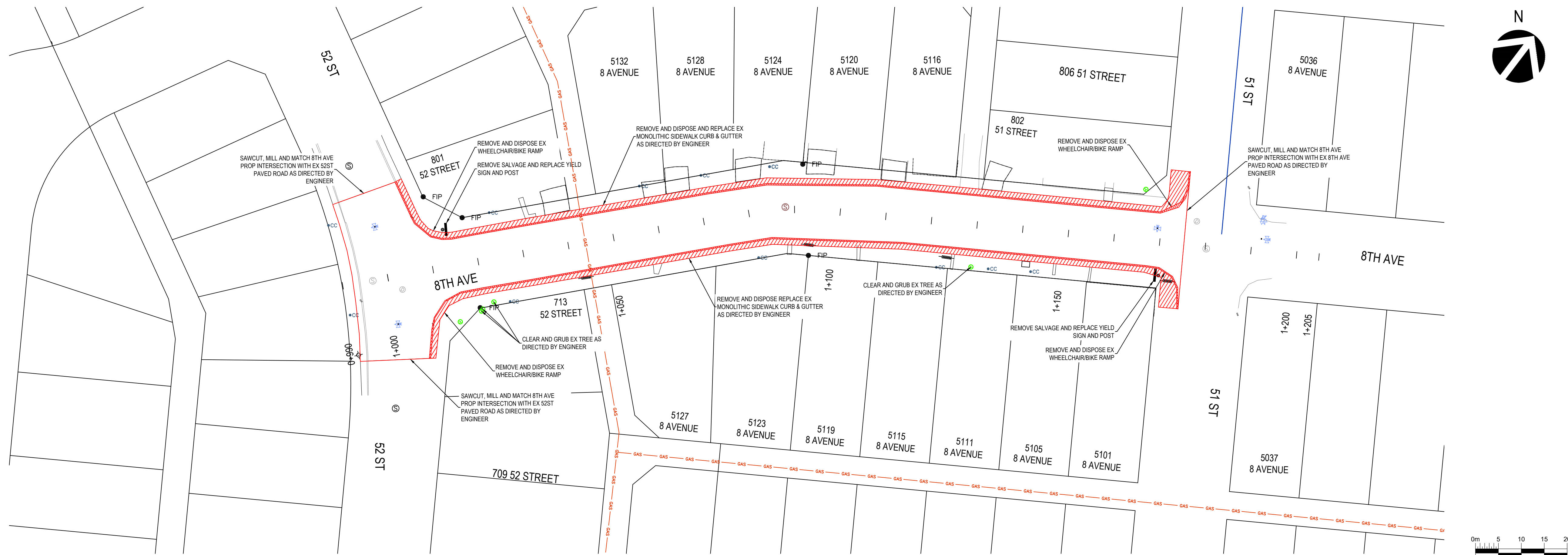
**Edson**

PROJECT: 8th AVENUE REHABILITATION

TITLE: LEGEND SHEET LIST AND GENERAL NOTES

DRAWING NUMBER: C001 REV: 2

NOT FOR CONSTRUCTION



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CHECKED BY: D.OTTO

DRAWN BY: J.JOHNSTON

DESIGNED BY: M.STEFFLER

DATE: 2023/06/05

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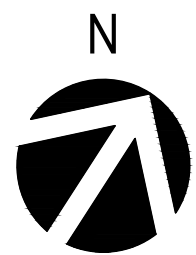
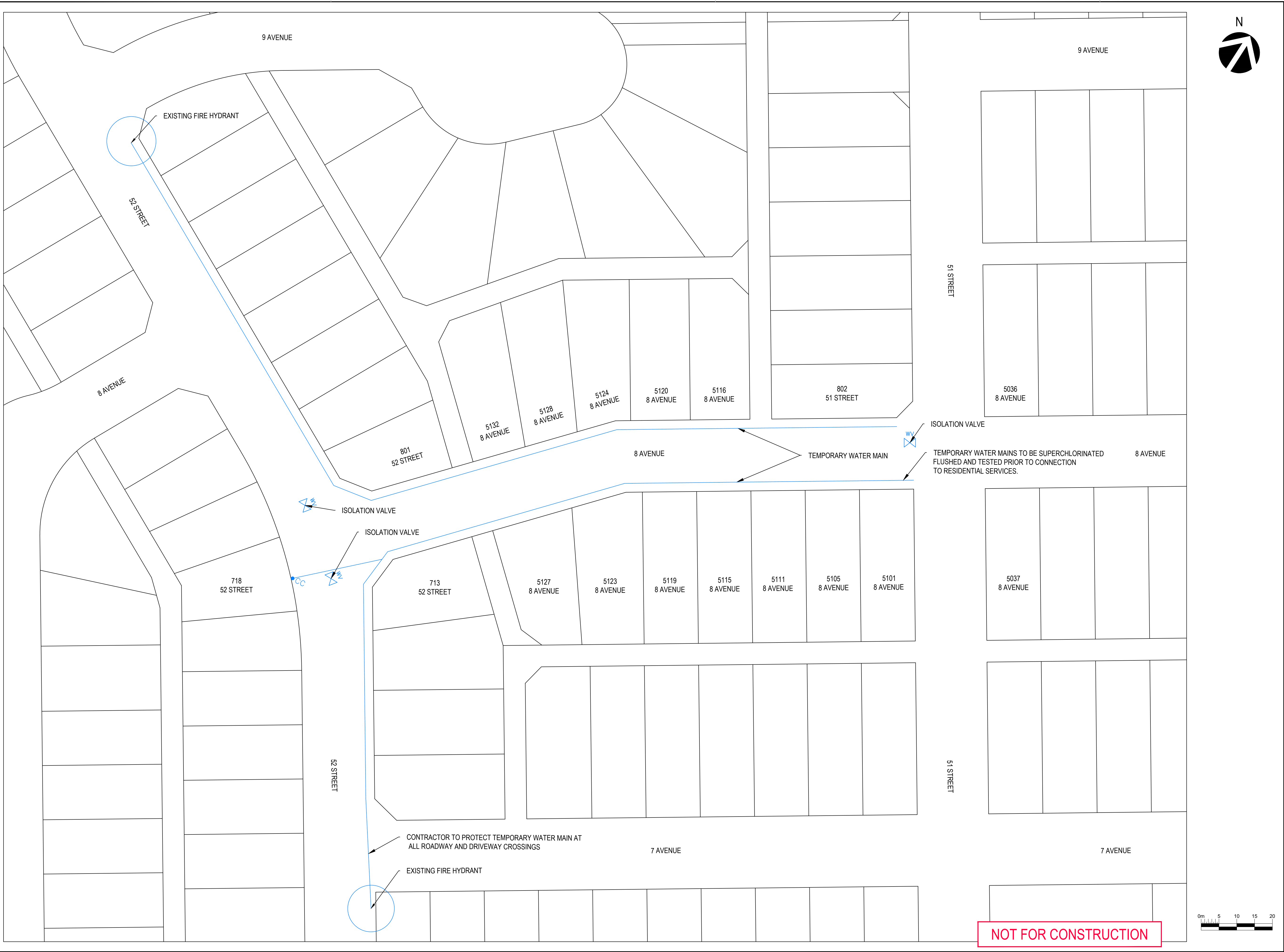
PROJECT: 8th AVENUE REHABILITATION

TITLE: 8TH AVE EXISTING PLAN

DRAWING NUMBER: C100

REV: 2

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ORIGINAL SCALE: 1:500 (22 X 34)	DATE: 2023/06/05
APPROVED BY: M.STEFFLER	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
CHECKED BY: D.OTTO	
DRAWN BY: J.JOHNSTON	
DESIGNED BY: M.STEFFLER	25mm

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PROJECT:  
8th AVENUE  
REHABILITATION

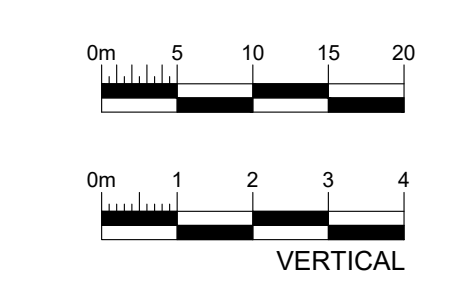
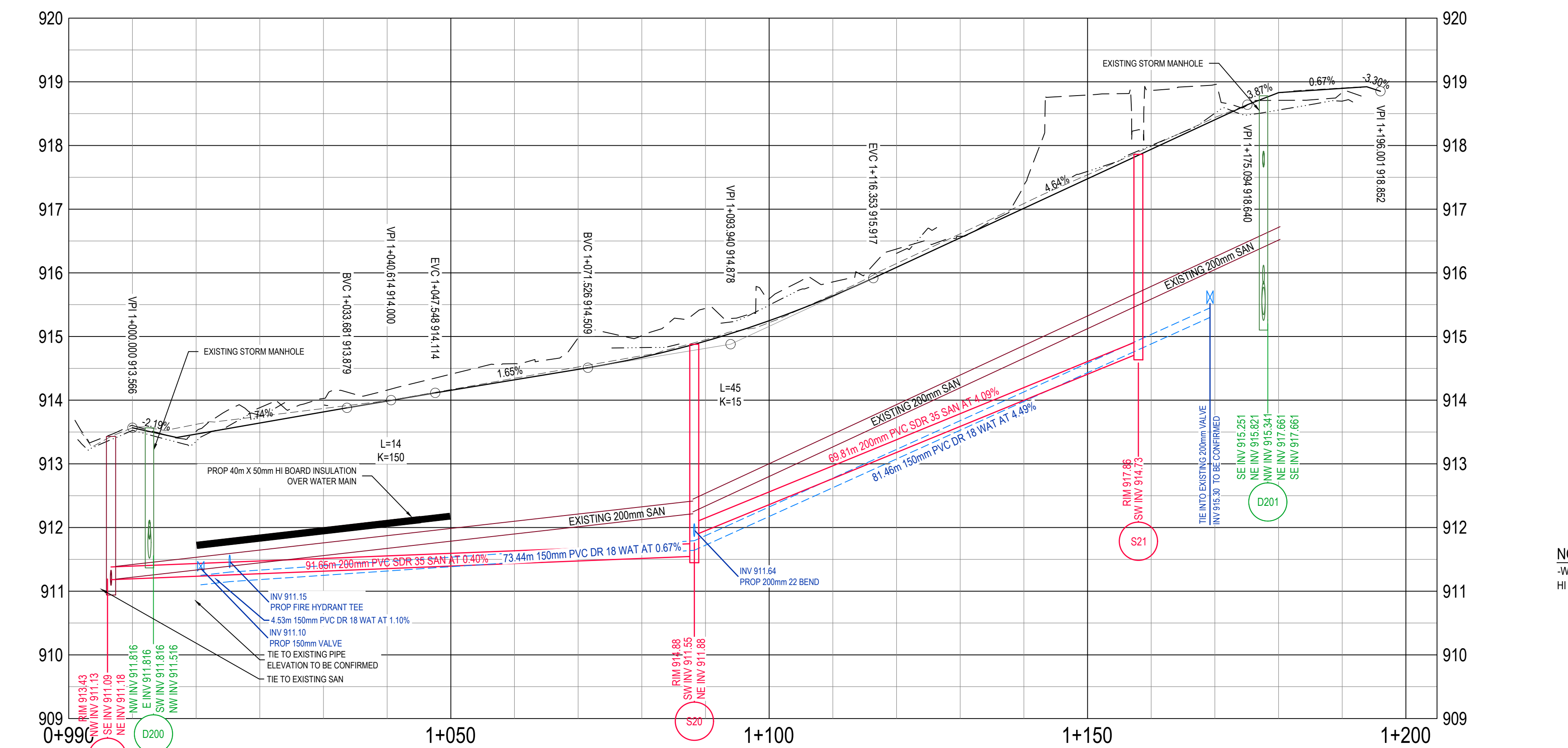
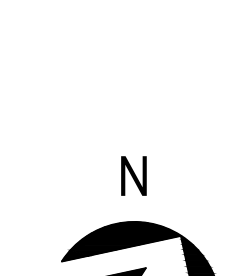
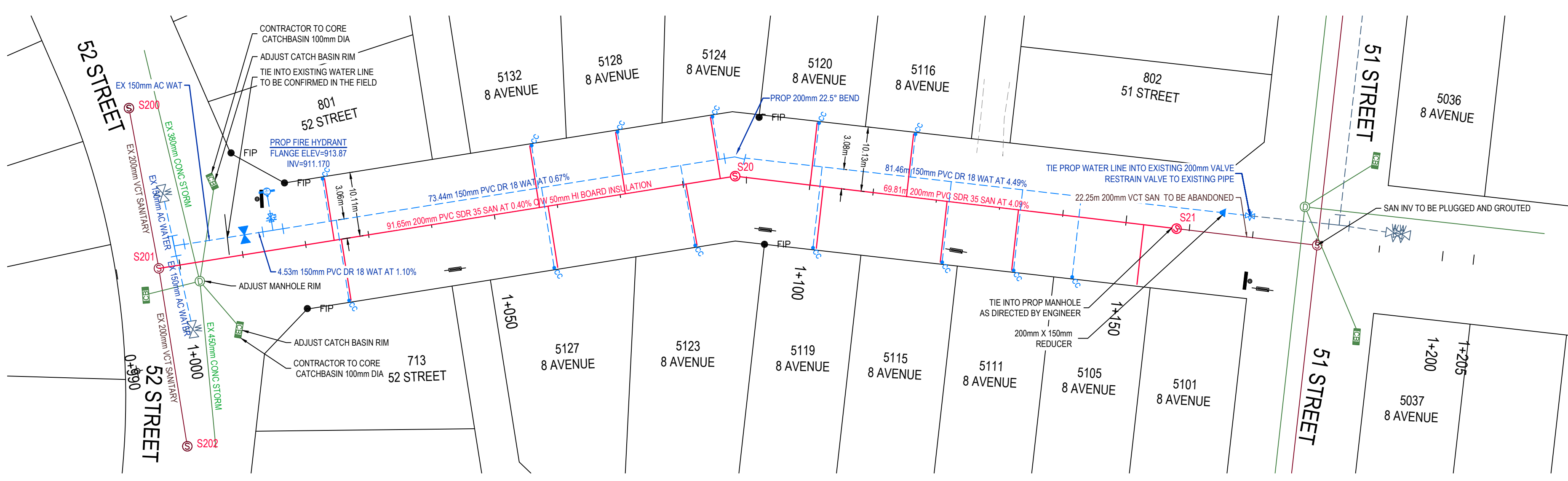
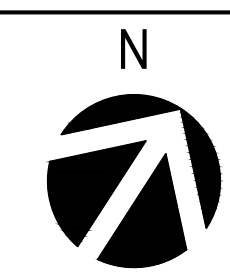
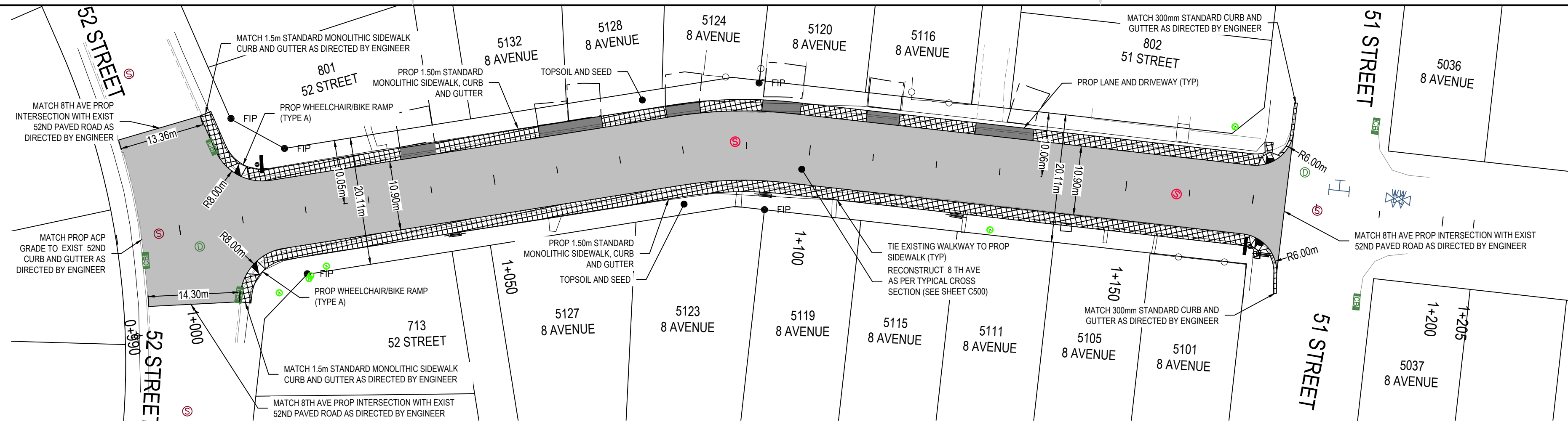
TITLE:  
TEMPORARY WATER  
SERVICING PLAN

DRAWING NUMBER:  
C200

REV:  
2



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**NOTES:**  
 -WATER LINES AND SANITARY SEWER SERVICES < 2.0m COVER TO BE INSULATED WITH HI 40 BOARD INSULATION

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ISSUED BY: M.STEFFLER

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25mm

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PROJECT: 8th AVENUE REHABILITATION

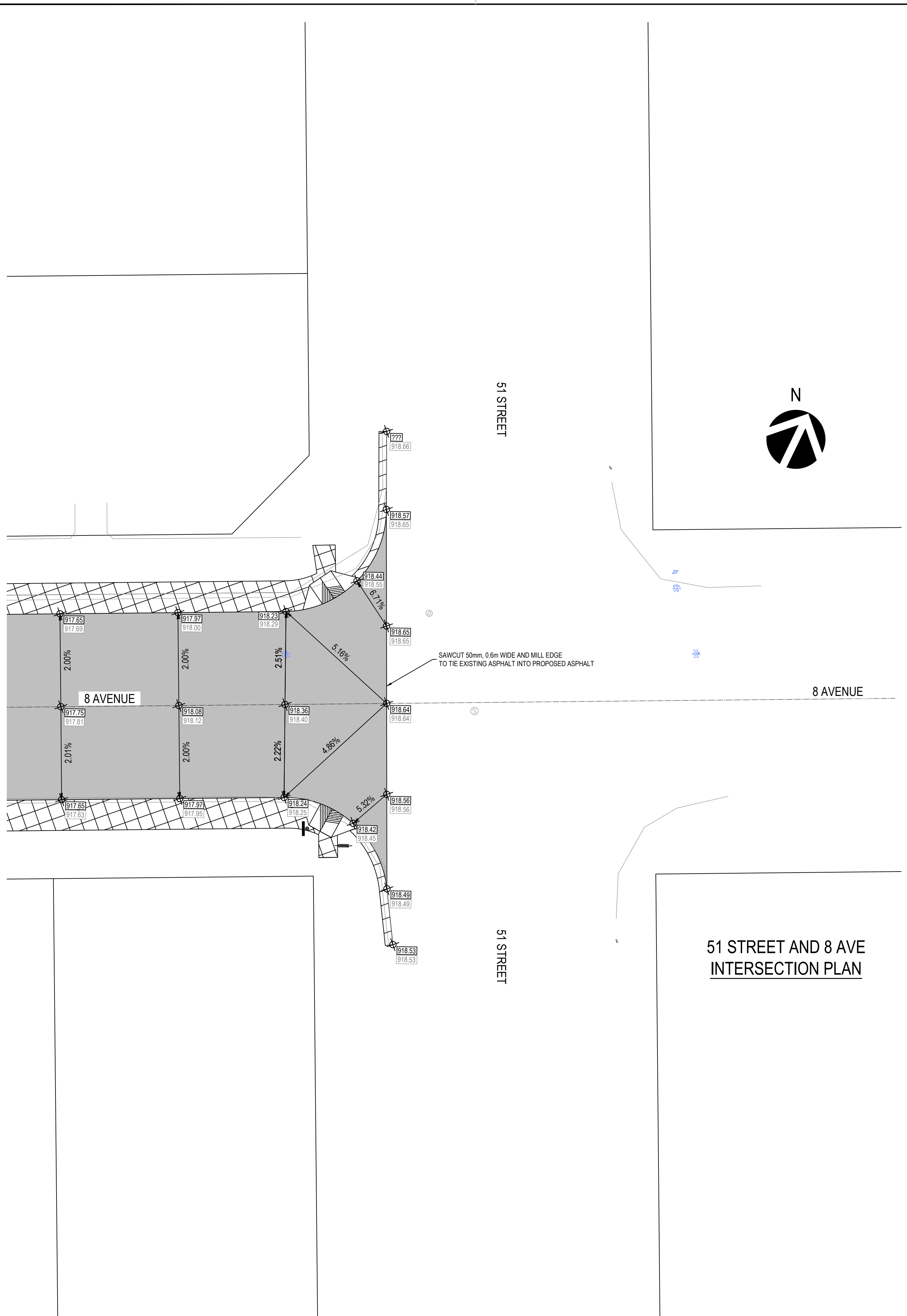
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DRAWING NUMBER: C201

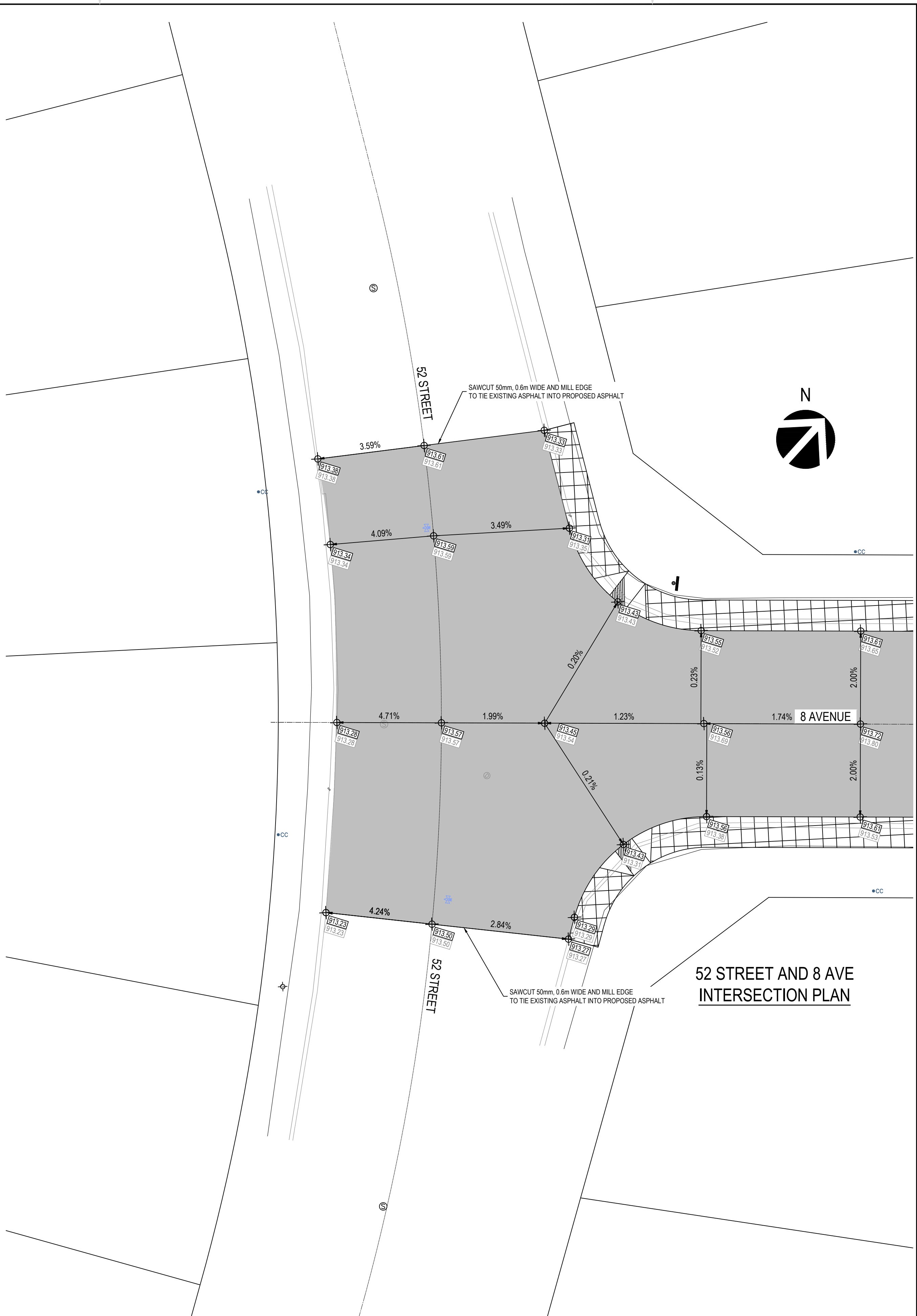
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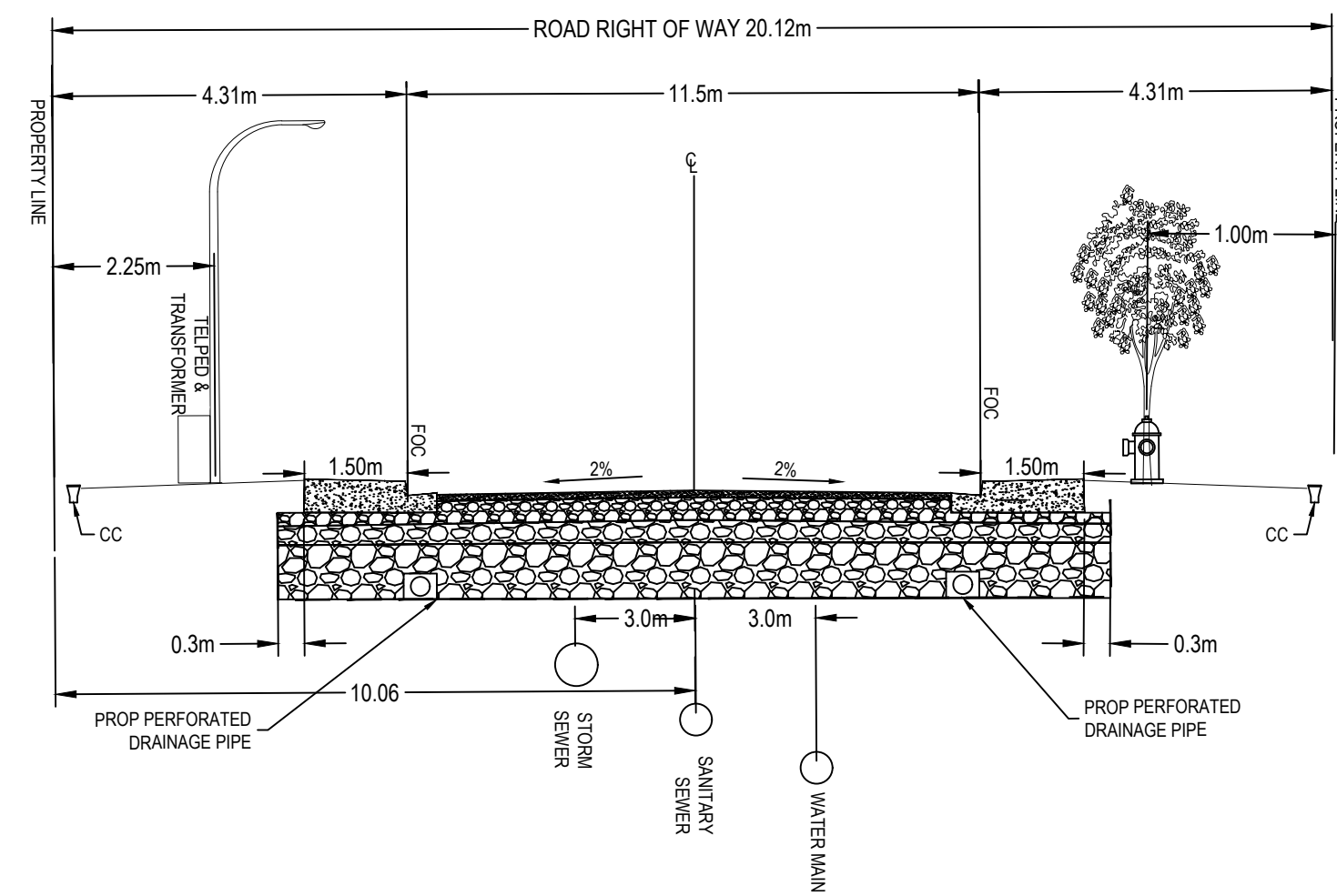
CLIENT REF. #: --

PROJECT: 8th AVENUE REHABILITATION

TITLE: INTERSECTION GRADING PLAN

DRAWING NUMBER: C400

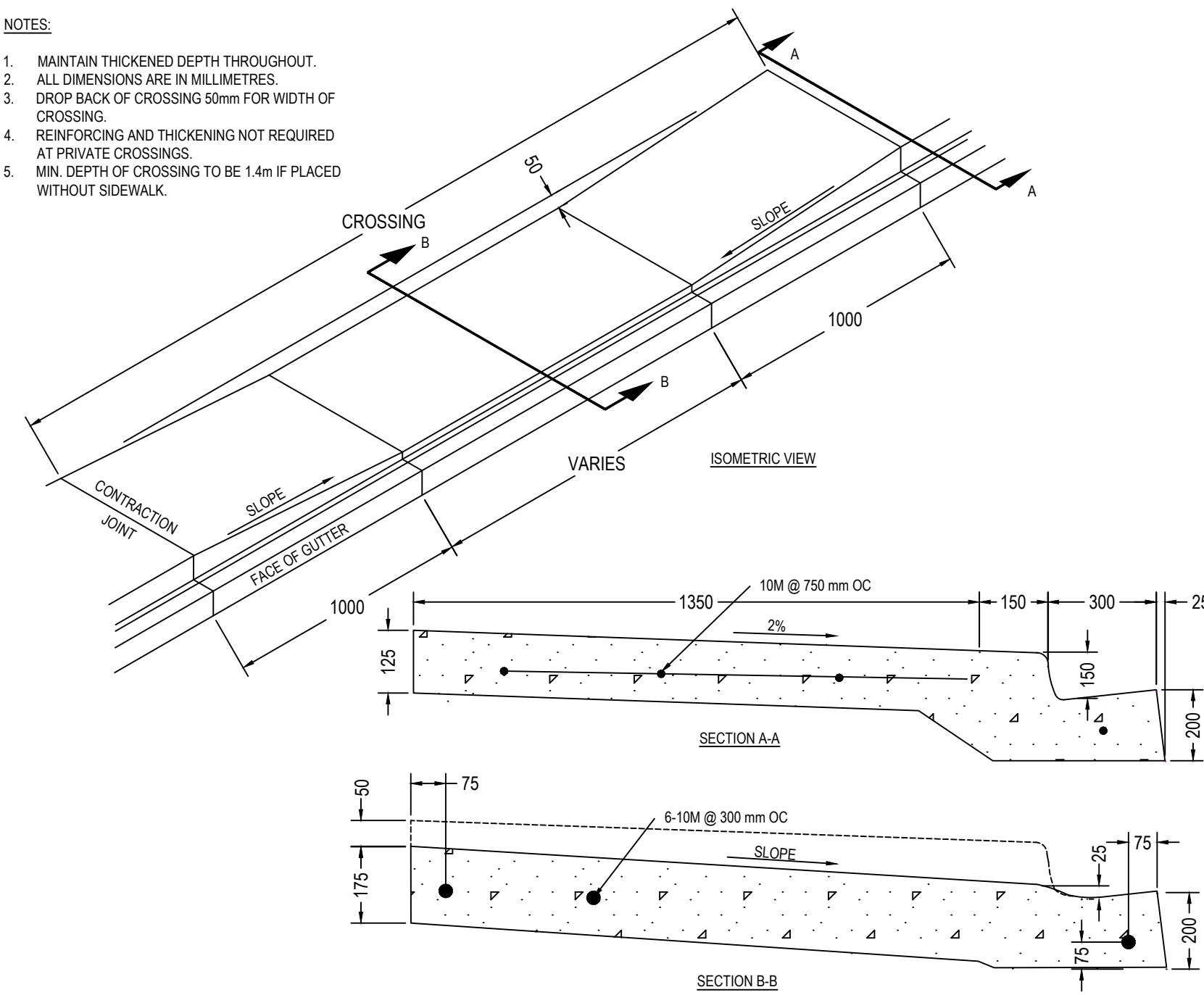
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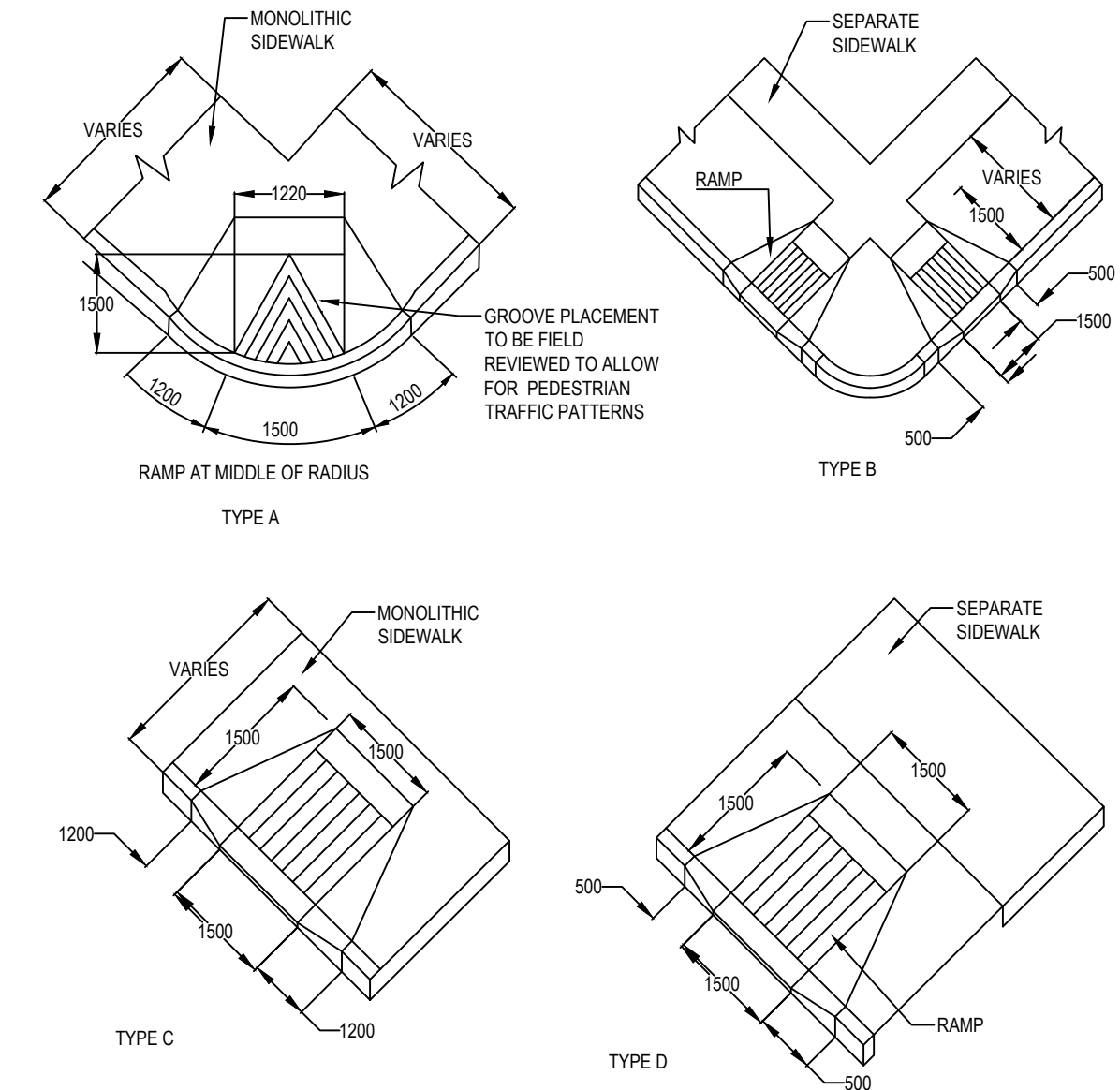
8 AVE CROSS SECTION

NOTES:

1. MAINTAIN THICKENED DEPTH THROUGHOUT.
2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. DROP BACK OF CROSSING 50mm FOR WIDTH OF CROSSING.
4. REINFORCING AND THICKENING NOT REQUIRED AT PRIVATE CROSSINGS.
5. MIN. DEPTH OF CROSSING TO BE 1.4m IF PLACED WITHOUT SIDEWALK.



TYPICAL MONOLITHIC LANE AND DRIVEWAY CROSSING  
N.T.S.



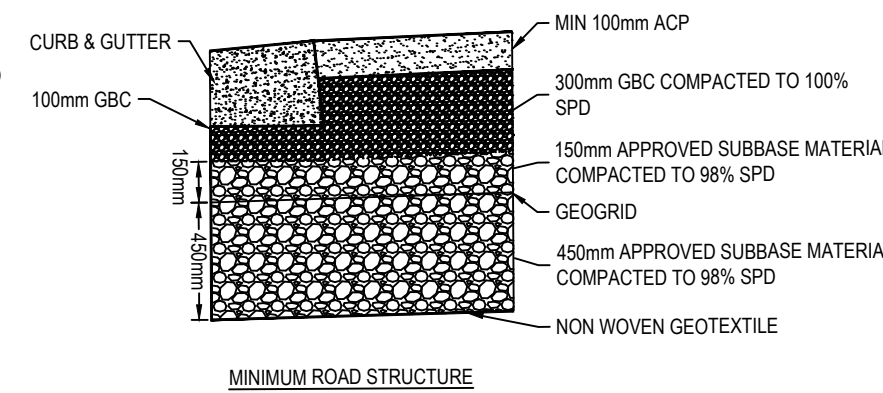
NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
2. TOOLED GROOVES 5 WIDE BY 10 DEEP AND 150 O.C BROOM FINISH SURFACE.
3. WHEREVER NEEDED, TIE INTO EXITING RAMP DIMENSIONS.
4. 30MPa CONCRETE IN 28 DAYS.
5. RAMP SLOPES TO BE A MAXIMUM OF 10% DROP BACK OF WALK WHERE SLOPE IS ABOVE 8%.
6. LIP OF GUTTER MAXIMUM HEIGHT 10 THROUGH RAMP.
7. REFER TO SIDEWALK DETAIL FOR SUBGRADE REQUIREMENT.

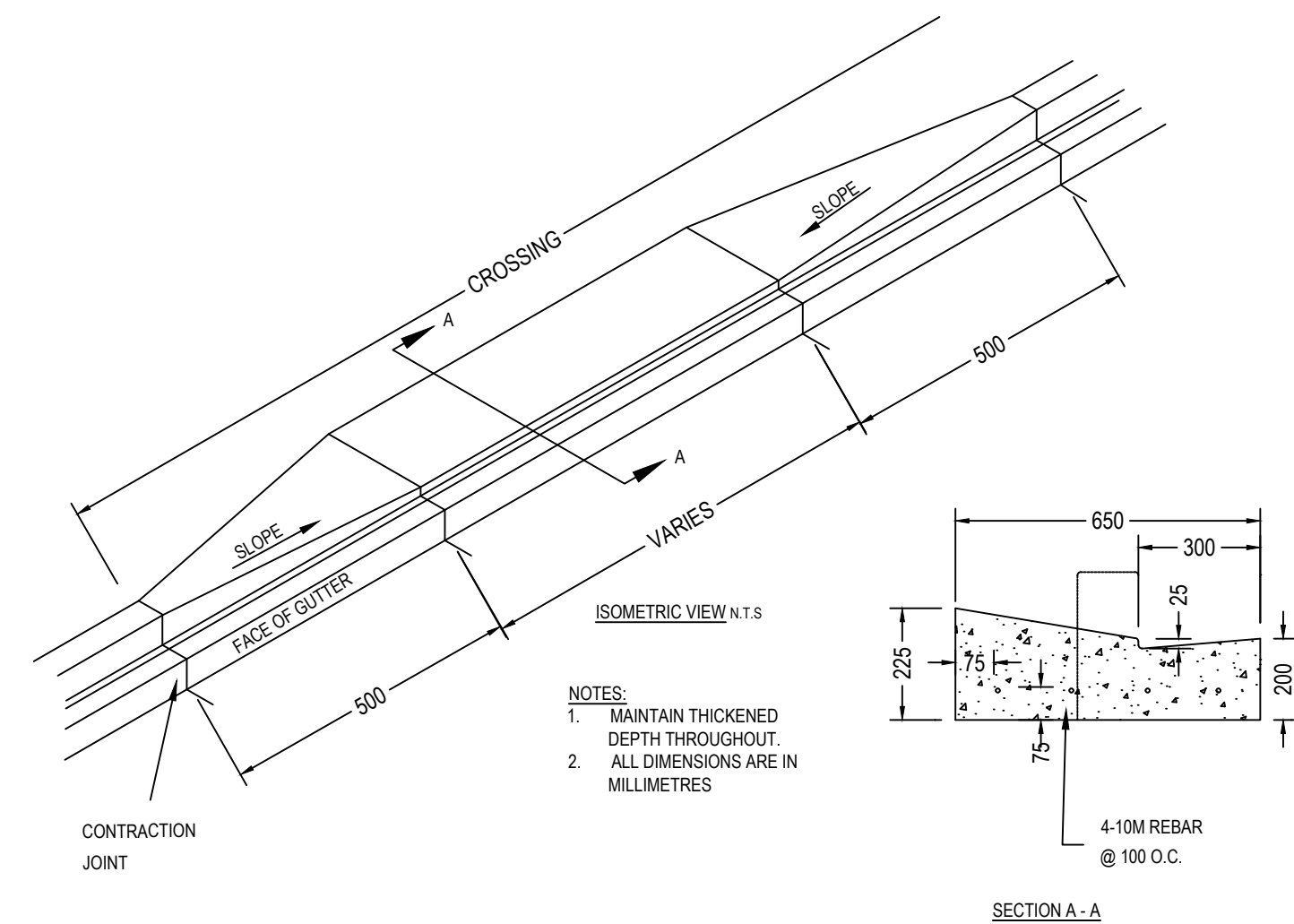
TYPICAL TYPES OF WHEELCHAIR / BIKE RAMPS  
N.T.S.

NOTES:

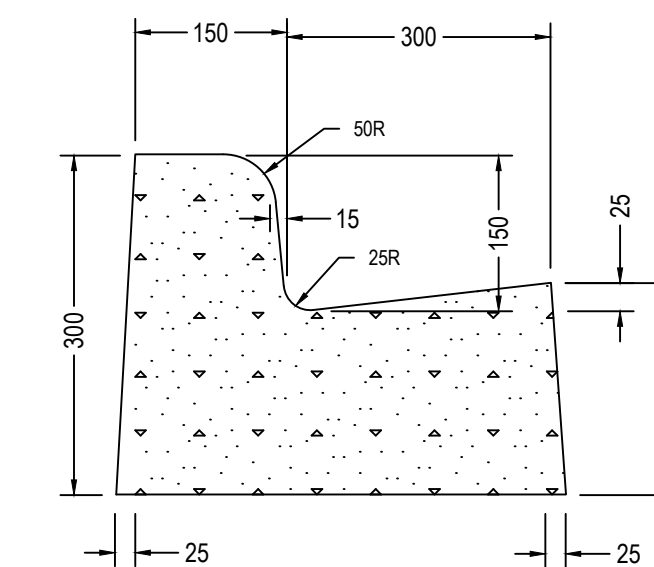
1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING DEEP AND SHALLOW UTILITIES PRIOR TO CONSTRUCTION.
2. CROSS SECTION HERE SHOWN IS TYPICAL EXISTING FIELD DIMENSIONS MAY BE FOLLOWED UPON APPROVAL OF THE TOWN ENGINEER OR THE ENGINEER'S REPRESENTATIVE.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING PROOF ROLL ROAD TEST TO ENSURE PROPER COMPACTION IS ACHIEVED.
4. THE CONTRACTOR IS RESPONSIBLE FOR ACHIEVING RUN-OFF DRAINAGE, CROWN OR CROSS-FALL, AS SPECIFIED BY THE TOWN ENGINEER.
5. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.



TYPICAL LOCAL ROADWAY CROSS SECTION  
N.T.S.



TYPICAL INDUSTRIAL-COMMERCIAL CURB AND GUTTER CROSSING  
N.T.S.



NOTES:

1. 25 mm BATTER NOT REQUIRED FOR HANDFORMED.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

300mm STANDARD CURB AND GUTTER  
N.T.S.

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25mm

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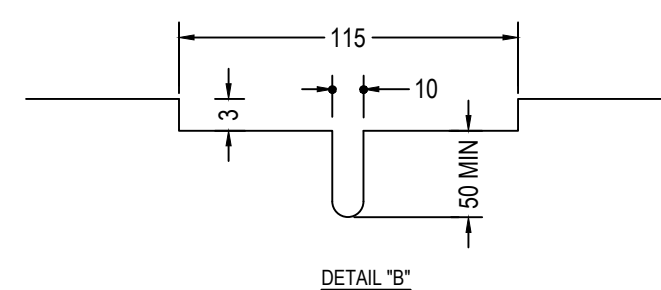
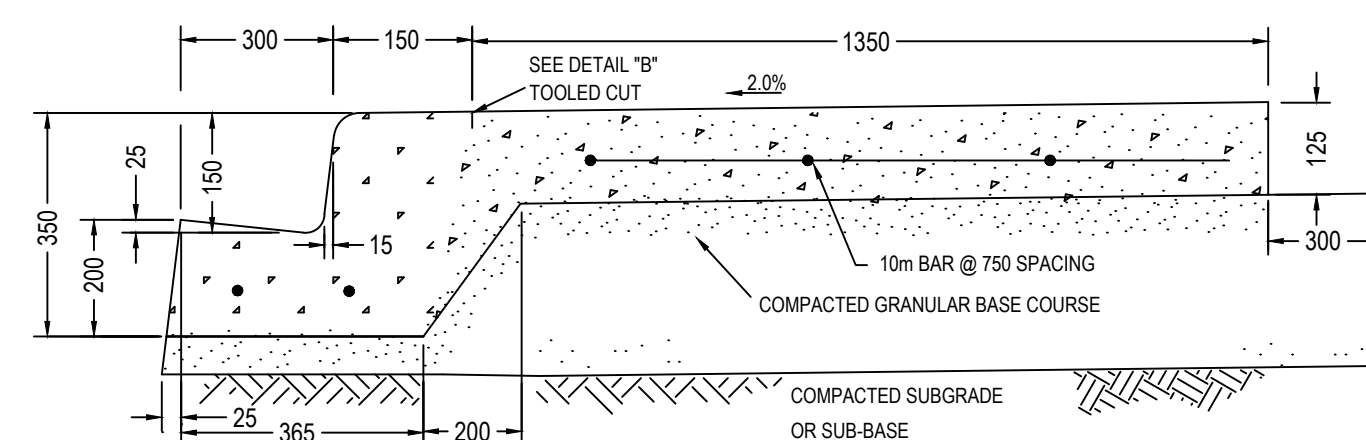
PROJECT: 8th AVENUE REHABILITATION

TITLE: CONCRETE AND CROSS SECTION DETAILS

DRAWING NUMBER: C500

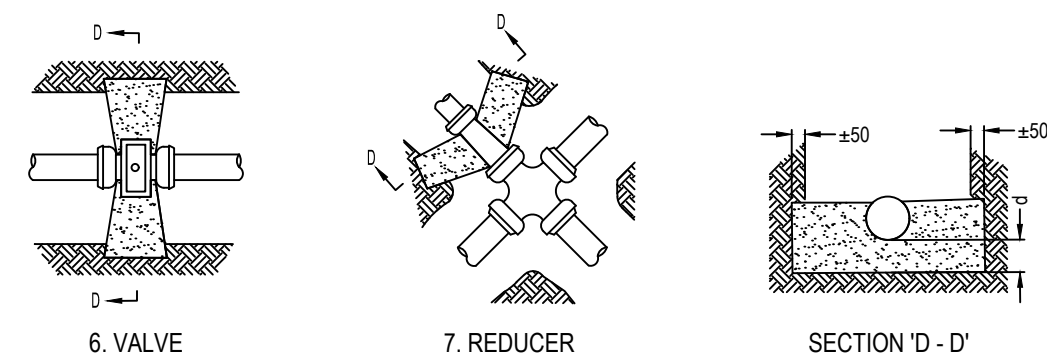
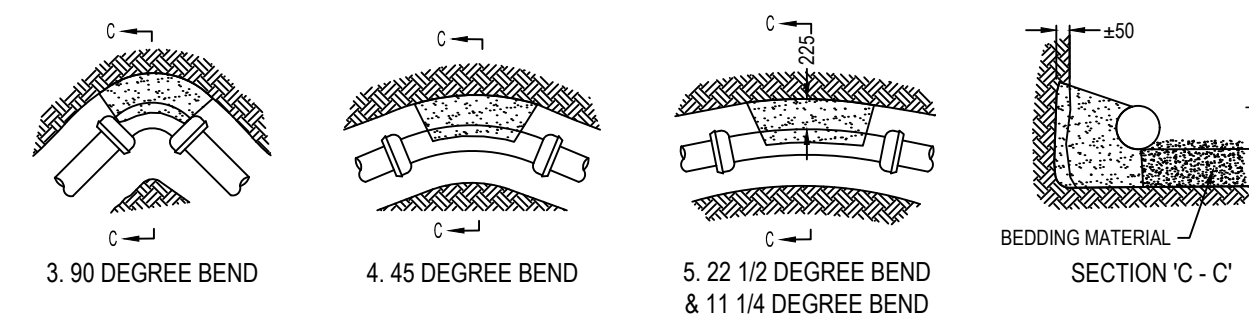
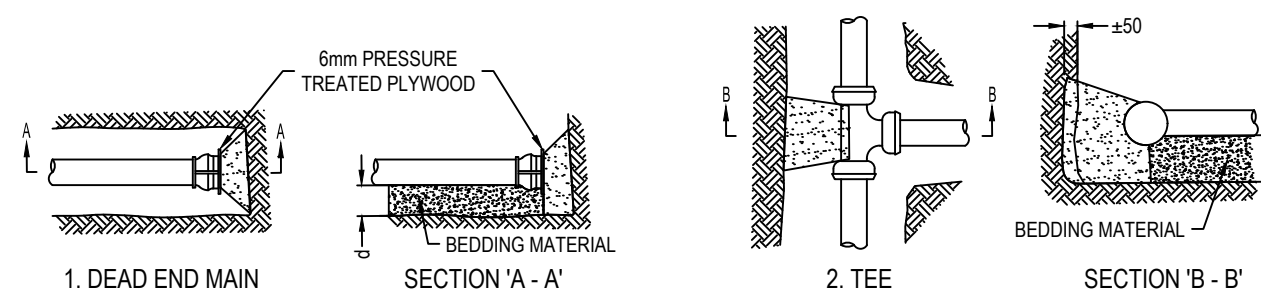
REV: 2

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NOTE:  
1. ALL DIMENSIONS ARE IN MILLIMETRES.

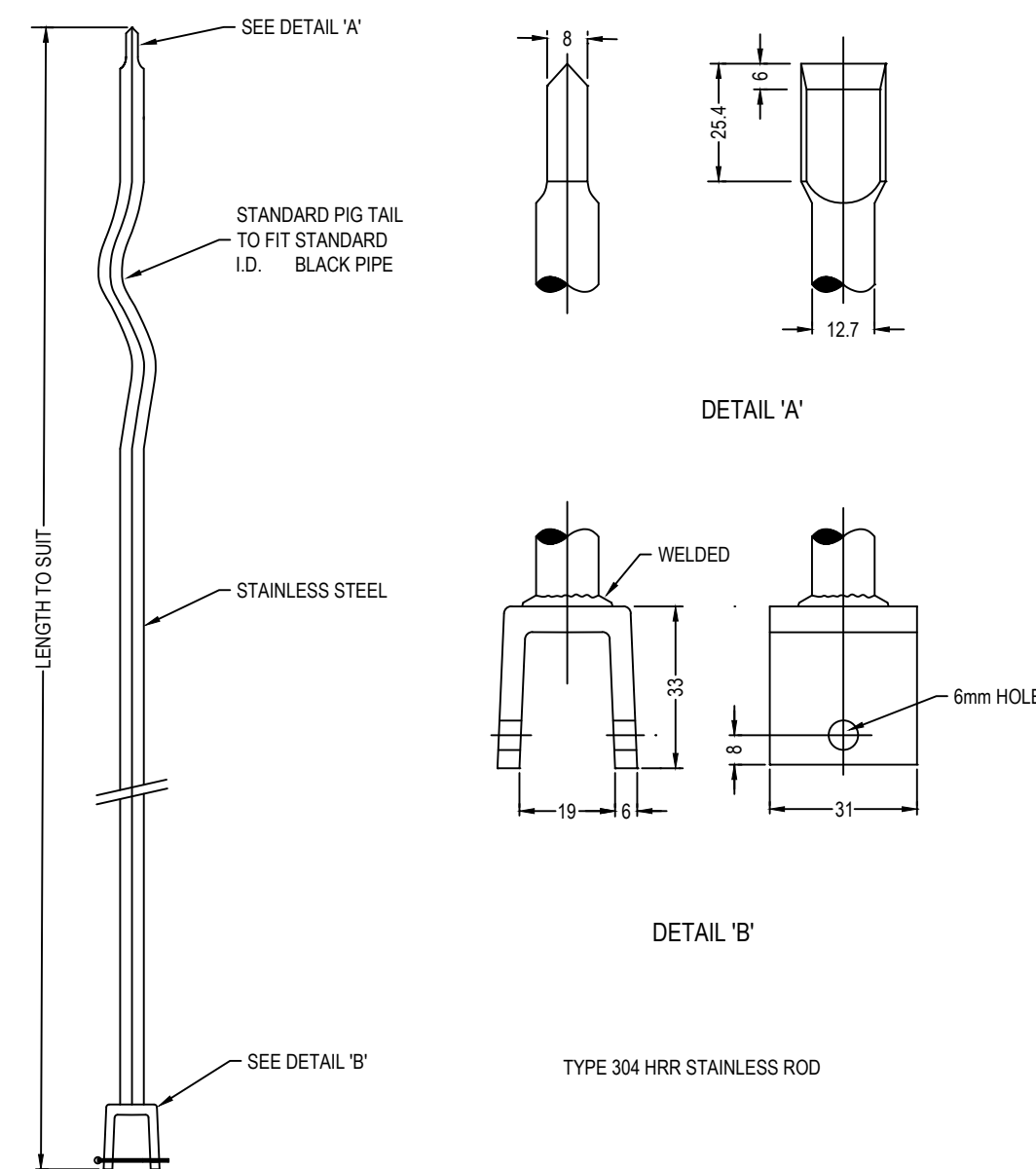
**1.50m STANDARD MONOLITHIC SIDEWALK, CURB AND GUTTER**  
N.T.S



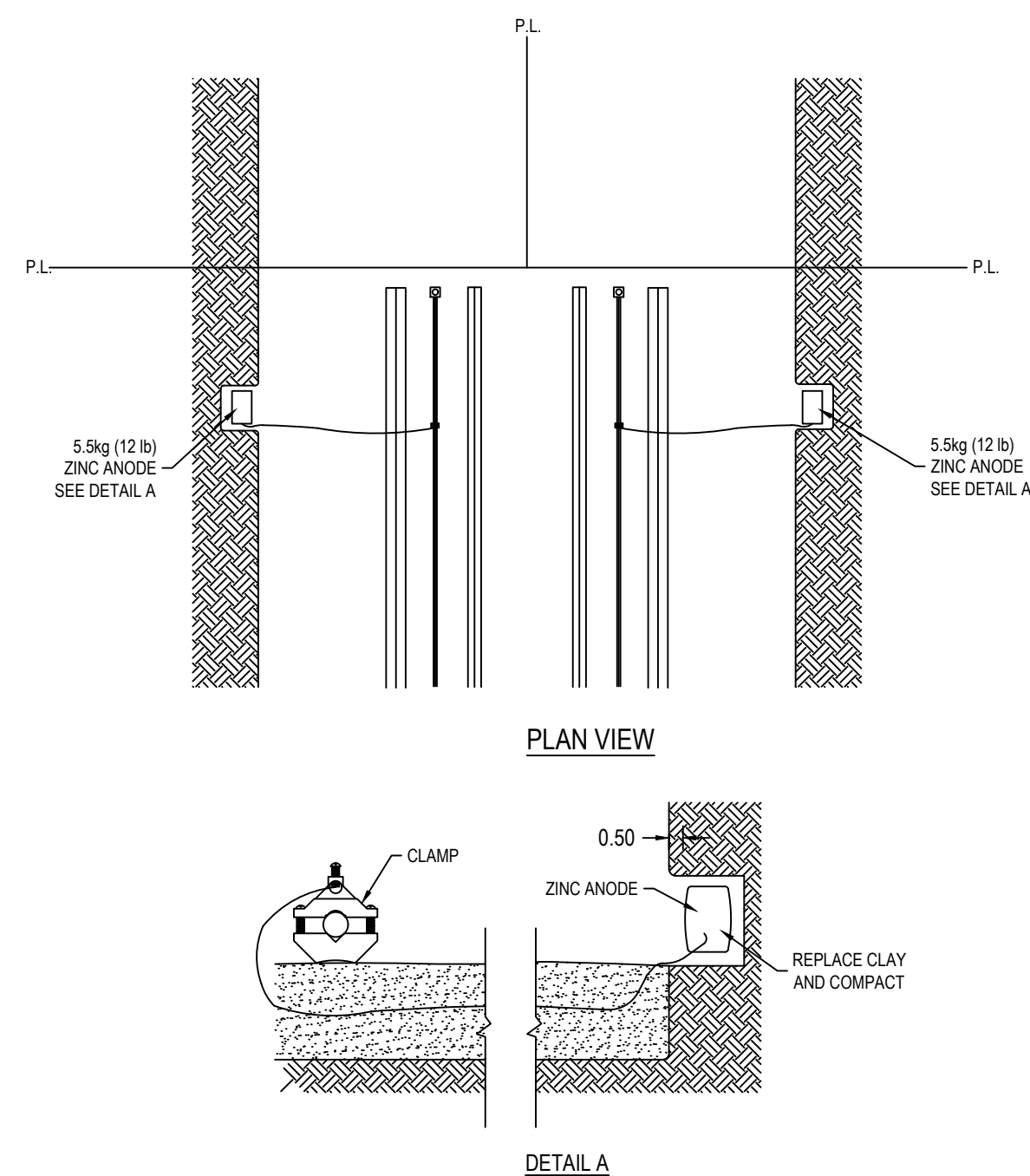
FITTING	SIZE OF MAIN (mm)				
	150	200	250	300	350
DEAD END MAIN & TEE	0.35	0.62	0.97	1.40	1.91
11 1/4 DEGREE BEND	0.07	0.12	0.20	0.28	0.38
22 1/2 DEGREE BEND	0.14	0.24	0.38	0.55	0.75
45 DEGREE BEND	0.27	0.48	0.75	1.07	1.46
90 DEGREE BEND	0.50	0.88	1.38	1.96	2.70
VALVE & REDUCER	0.35	0.62	0.97	1.40	1.91

- NOTES:
- CONCRETE SHOULD BE 30MPa IN 28 DAYS.
  - CONCRETE TO BE CLEAR OF BELLS AND PIPE.
  - MINIMUM 75mm OF CONCRETE UNDER ALL FITTINGS.
  - ALL FITTINGS TO BE WRAPPED IN 6 MIL POLYETHYLENE PRIOR TO POURING CONCRETE.
  - THE REQUIRED BEARING AREA SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT SOIL CONDITIONS.
  - ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.

**STANDARD WATER THRUST BLOCKS**  
N.T.S

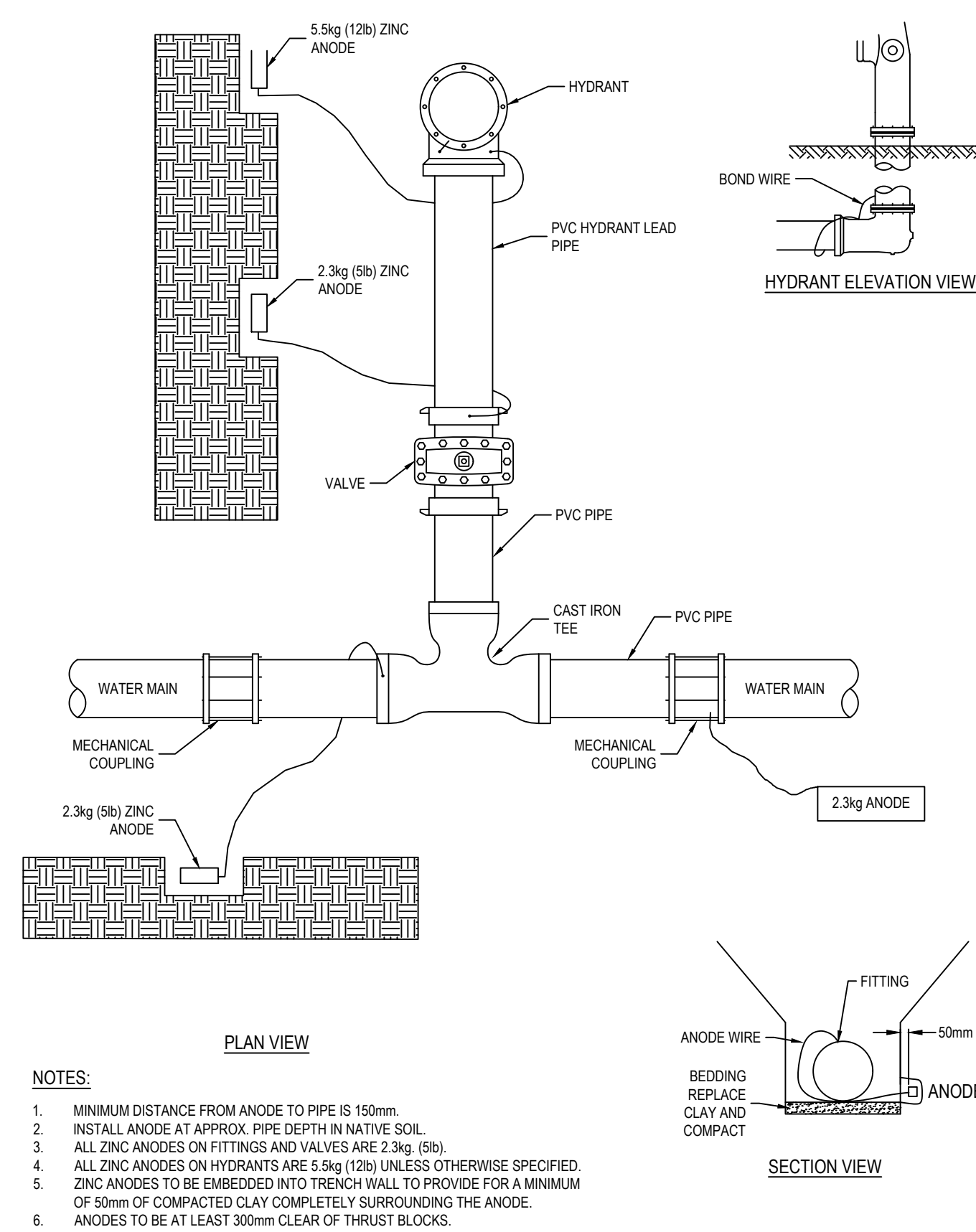


**12.7mm STAINLESS STEEL SERVICE BOX ROD**  
N.T.S



- NOTES:
- PIPE CLAMP TO BE ALL BRASS OR APPROVED EQUIVALENT
  - ZINC ANODES TO BE EMBEDDED INTO TRENCH WALL TO PROVIDE FOR A MINIMUM OF 50mm COMPACTED SOIL COMPLETELY AROUND ANODES.
  - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.

**ANODE ON 50mm AND SMALLER COPPER WATER SERVICE**  
N.T.S



- NOTES:
- MINIMUM DISTANCE FROM ANODE TO PIPE IS 150mm
  - INSTALL ANODE AT APPROX. PIPE DEPTH IN NATIVE SOIL.
  - ALL ZINC ANODES ON FITTINGS AND VALVES ARE 2.3kg (5lb).
  - ALL ZINC ANODES ON HYDRANTS ARE 5.5kg (12lb) UNLESS OTHERWISE SPECIFIED.
  - ZINC ANODES TO BE EMBEDDED INTO TRENCH WALL TO PROVIDE FOR A MINIMUM OF 50mm OF COMPACTED CLAY COMPLETELY SURROUNDING THE ANODE.
  - ANODES TO BE AT LEAST 300mm CLEAR OF THRUST BLOCKS.

**CATHODIC PROTECTION**  
N.T.S

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PROJECT NUMBER: CA0048171.0443

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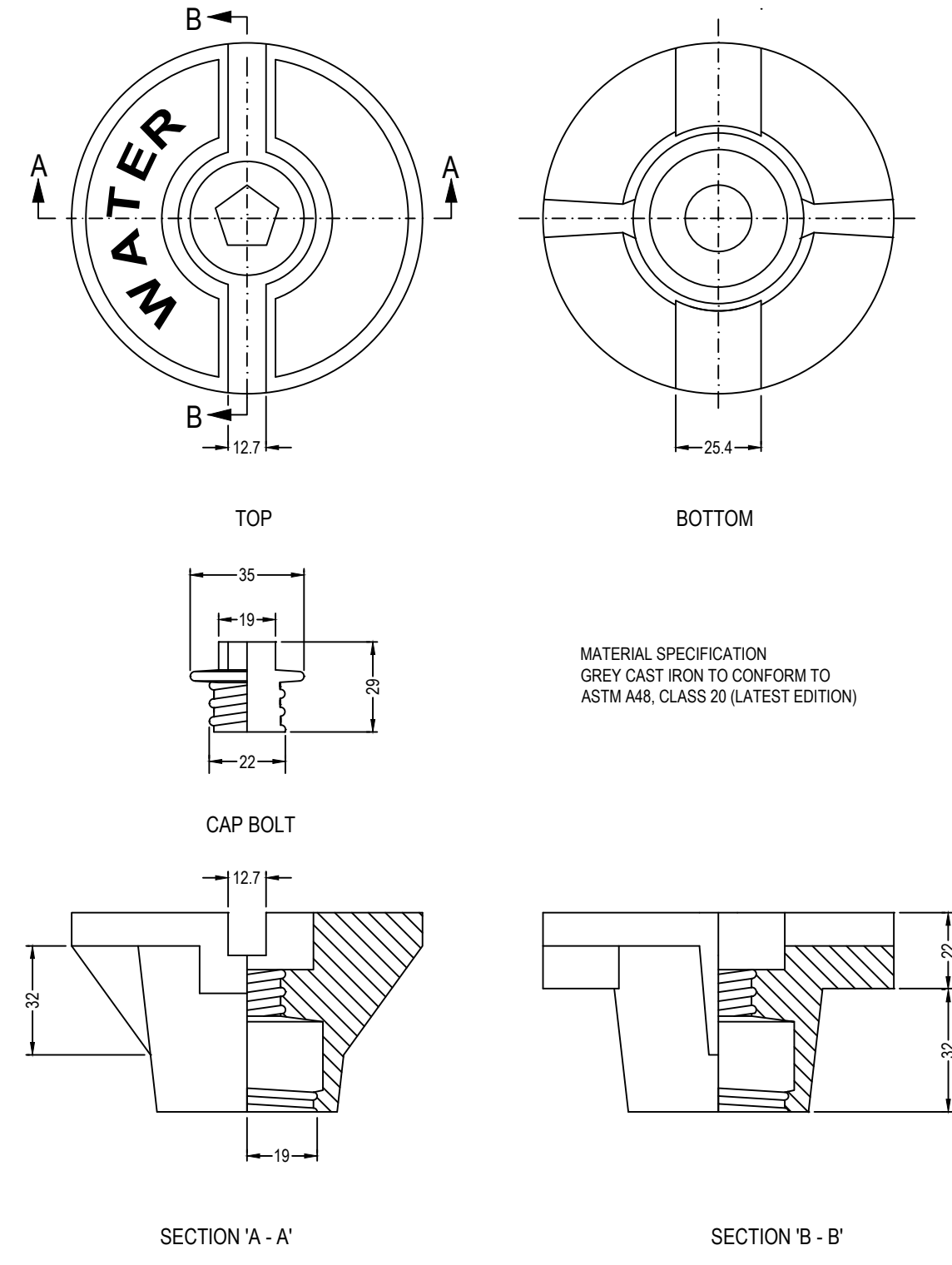
PROJECT: 8th AVENUE REHABILITATION

TITLE: CONCRETE AND UNDERGROUND WATER DETAILS

DRAWING NUMBER: C501 | REV: 2

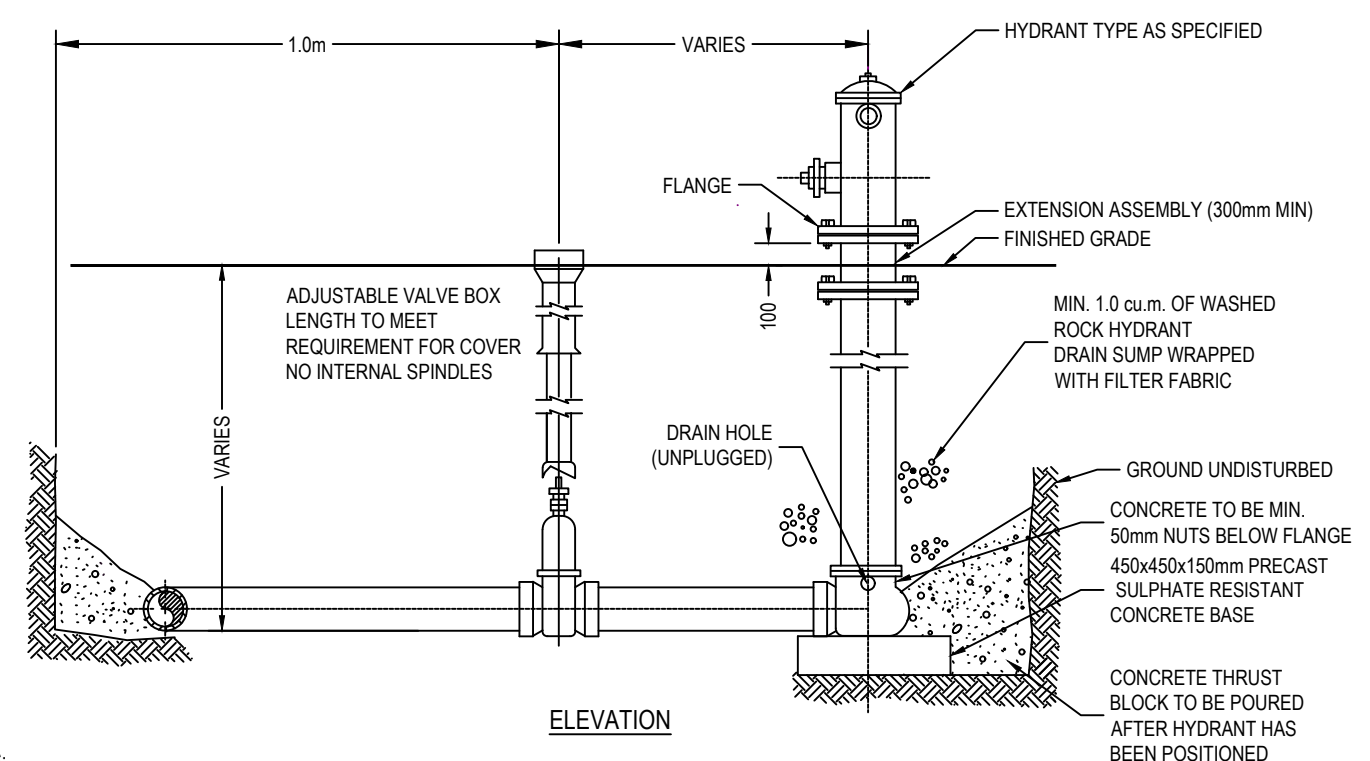
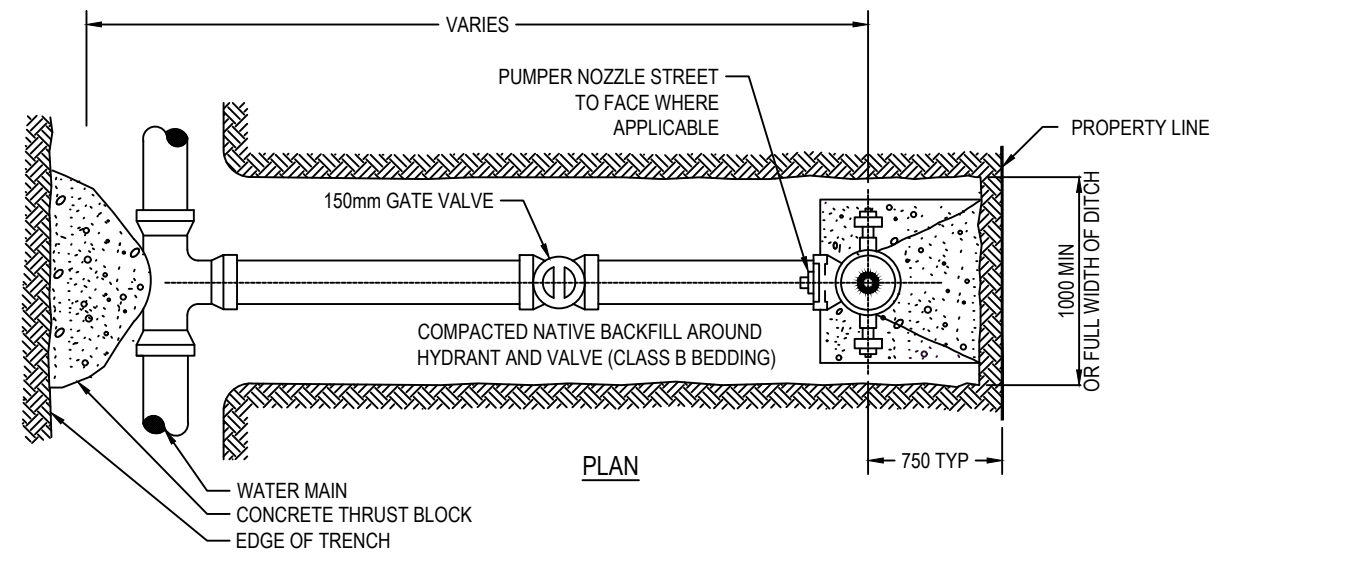
NOT FOR CONSTRUCTION





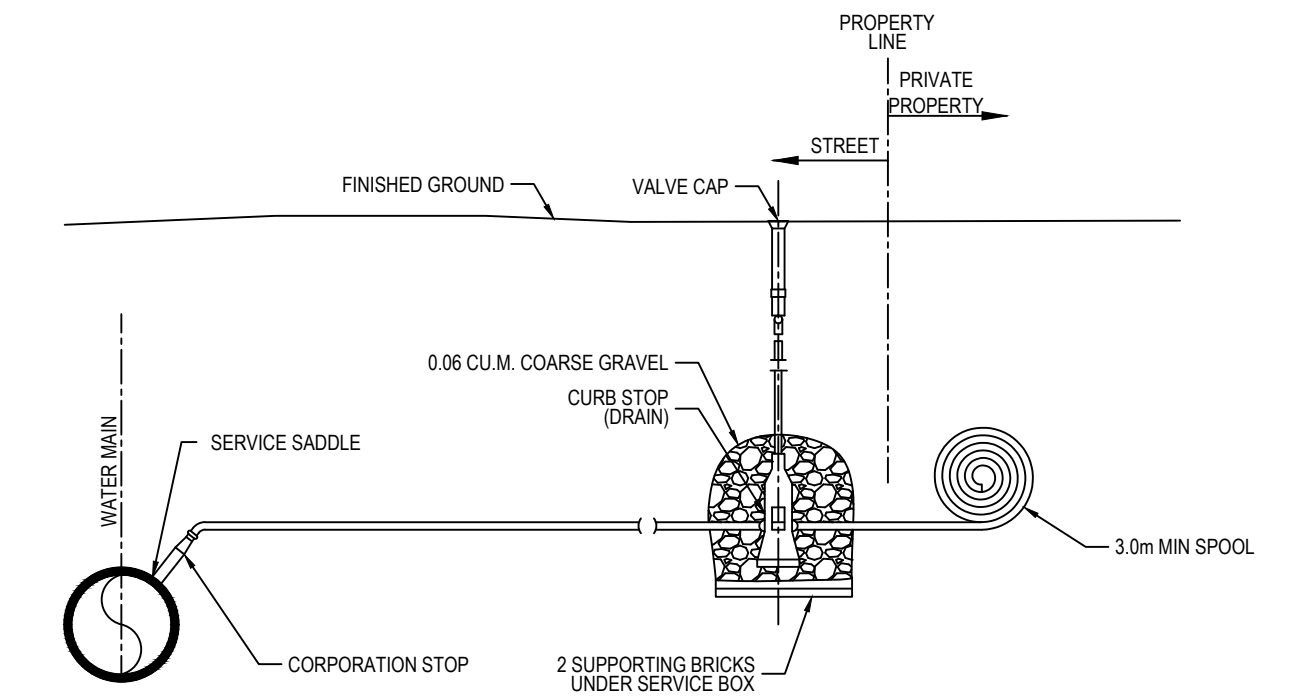
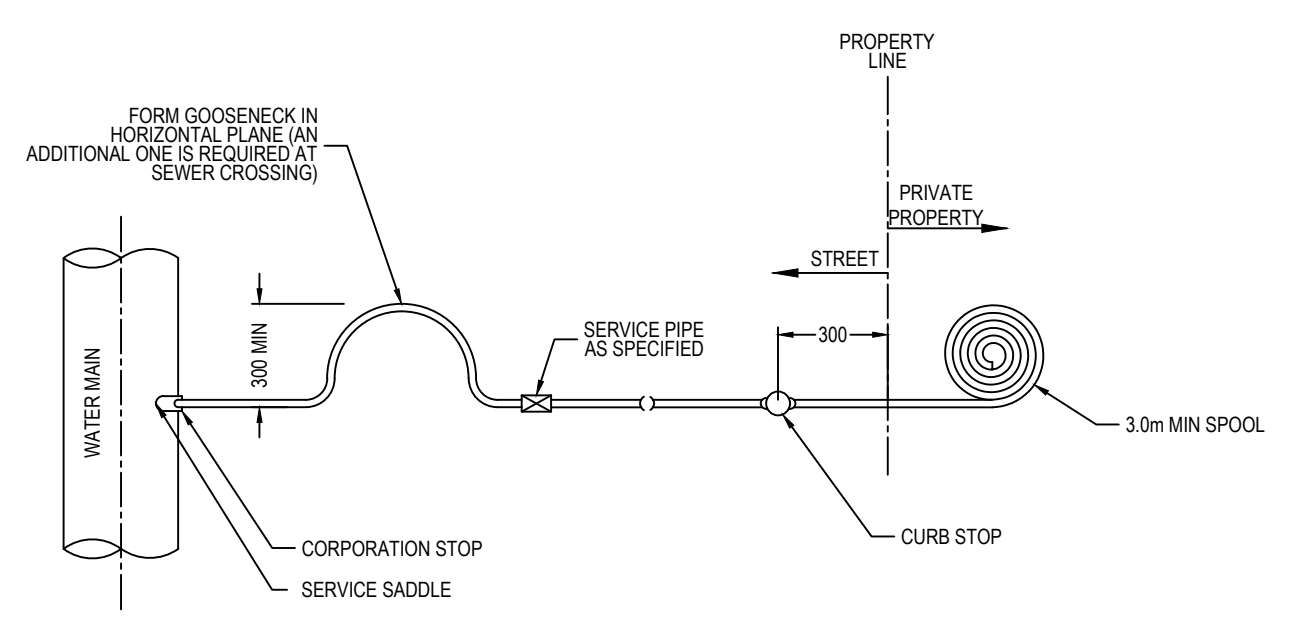
MATERIAL SPECIFICATION  
GREY CAST IRON TO CONFORM TO  
ASTM A48, CLASS 20 (LATEST EDITION)

**SERVICE BOX CAP**  
N.T.S.



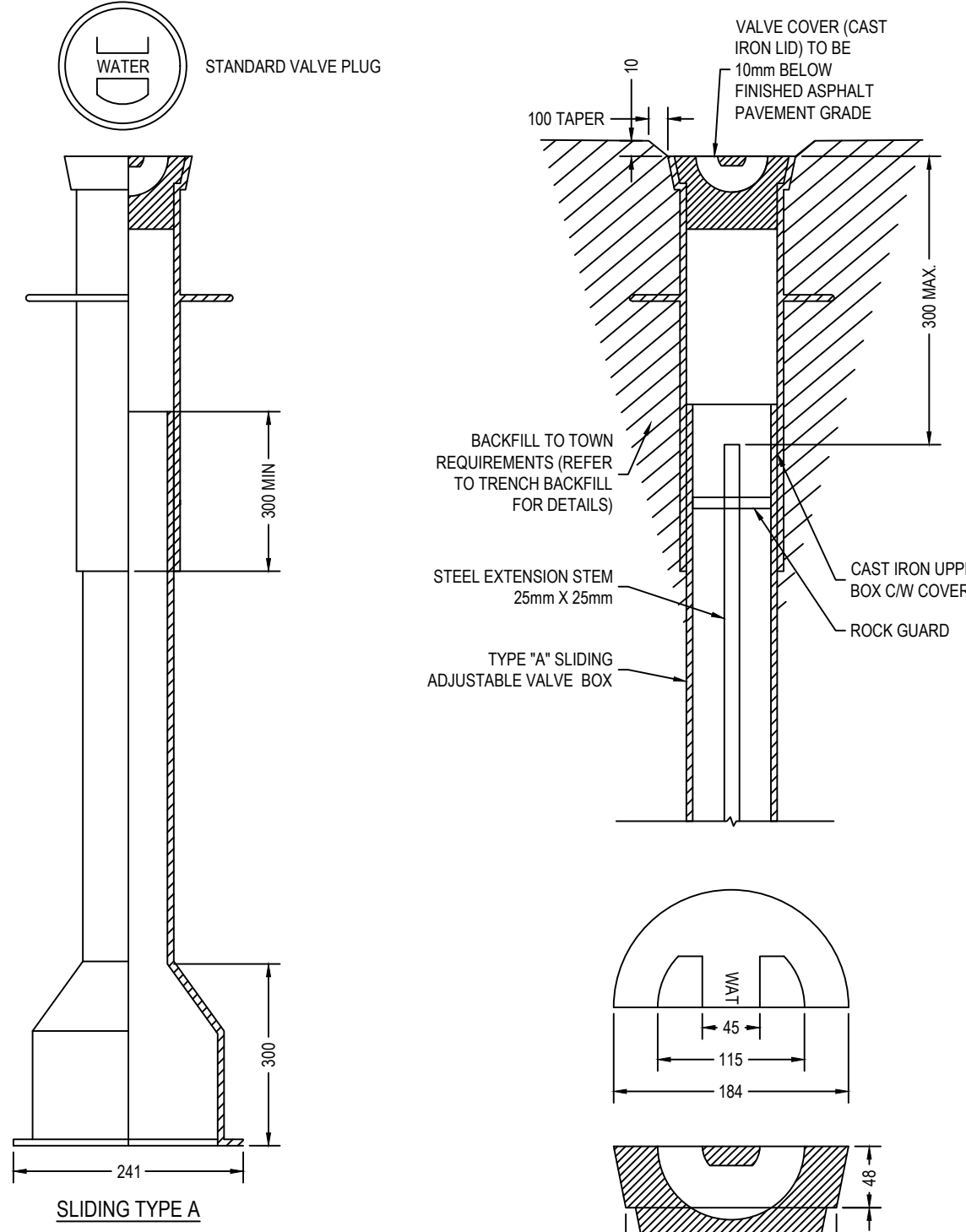
- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
  - CONCRETE TO BE 30 MPa @ 28 DAYS.
  - HYDRANTS SHALL BE COMPRESSION TYPE CONFORMING TO AWWA C502 COMPLETE WITH PLUGGED DRAINS, 300mm STAINLESS STEEL BOLTS AND ASPHALTIC COATED HYDRANT COMPONENTS.
  - PROVIDE CATHODIC PROTECTION AS SHOWN ON STD. DWG.
  - THRUST BLOCKS TO BE PLACED AGAINST UNDISTURBED GROUND HAVING A MINIMUM BEARING OF 7300 kg/m.
  - CONCRETE TO BE POURED CLEAR OF ALL FLANGES, JOINTS, AND HYDRANT DRAIN.
  - APPROVED BACKFILL TO BE COMPACTED TO A MINIMUM OF 98% SPD.
  - DO NOT ALLOW PONDING OR STANDING WATER AROUND HYDRANT.
  - PLACEMENT OF HYDRANT AND ORIENTATION OF PUMPER NOZZLE TO BE FACING STREET OR OTHERWISE APPROVED BY TOWN OF EDSON.
  - GRAVEL SUMP SHALL BE 0.50m<sup>3</sup> WASHED ROCK. SUMP MAY NOT BE REQUIRED IF THE TOWN OF EDSON ORDERS HYDRANT DRAIN TO BE PLUGGED.
  - GEOTEXTILE SHALL BE PLACED OVER THE TOP OF THE GRAVEL SUMP/WASHED ROCK TO PREVENT THE VOIDS FROM BEING FILLED WITH CLAY.

**TYPICAL FIRE HYDRANT ASSEMBLY**  
N.T.S.



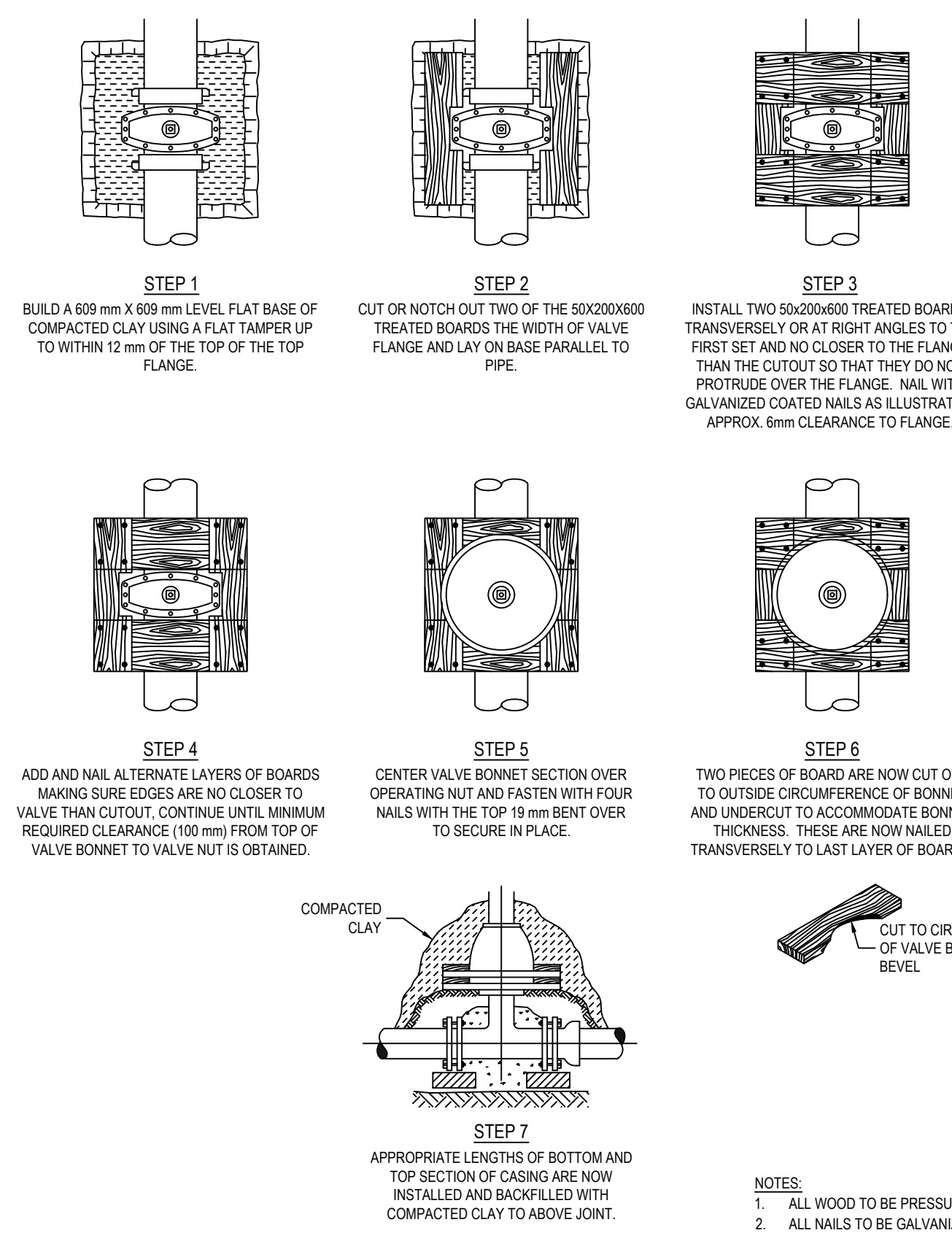
- NOTES:
- REFER TO SPECIFICATIONS FOR DEPTH OF COVER AT PROPERTY LINE, BEDDING AND BACKFILL IN THE PIPE ZONE, TRENCH BACKFILL.
  - COPPER SERVICE SHALL BE ONE CONTINUOUS PIECE, UNLESS LENGTH EXCEEDS 20m. ONLY THEN WILL A DOUBLE UNION BE USED.
  - CC STAMP TO BE STAMPED ON CONCRETE SIDEWALK OR CURB.
  - THE CONTRACTOR IS RESPONSIBLE FOR CALLING "ALBERTA ONE CALL" PRIOR TO ANY DIGGING.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING PROPERTY PINS AND SURVEY CONTROL MONUMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF TEMPORARY WATER SERVICE, AND ACHIEVE MINIMUM WATER SERVICE DISRUPTION.
  - THE CONTRACTOR SHALL EXERCISE DUE DILIGENCE TO PREVENT POTENTIAL FREEZING OF WATER INSIDE SERVICE COPPER PIPE.
  - ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.

**WATER SERVICE CONNECTION**  
N.T.S.



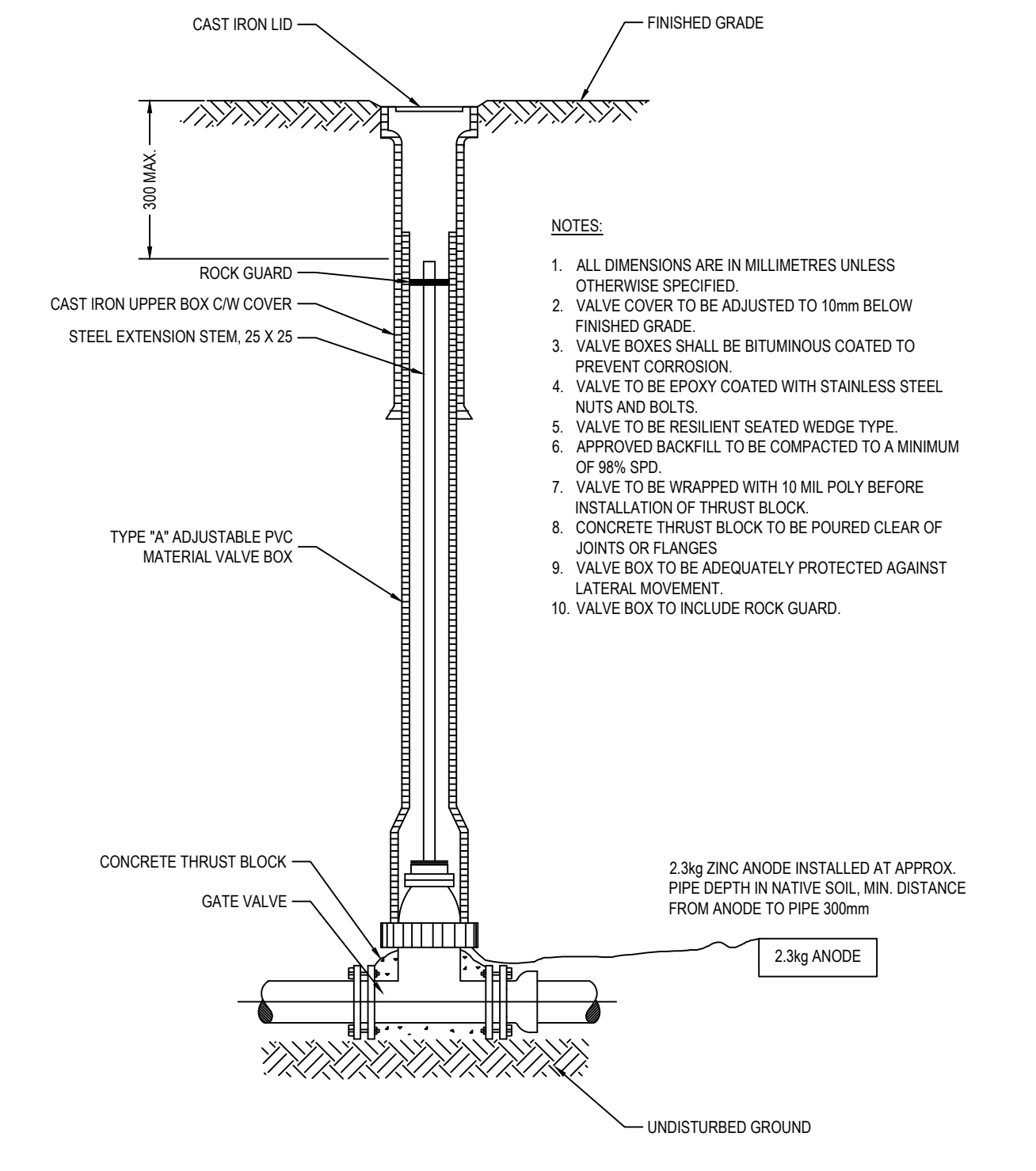
- NOTES:
- VALVE BOXES SHALL BE EXTERNALLY AND INTERNALLY COATED WITH ASPHALTIC OR EPOXY COATING.
  - VALVE COVER TO BE ADJUSTED TO 10mm BELOW FINISHED GRADE.
  - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

**TYPE A SLIDING VALVE BOX DETAIL**  
N.T.S.



- NOTES:
- ALL WOOD TO BE PRESSURE TREATED.
  - ALL NAILS TO BE GALVANIZED COATED.

**VALVE BOX CONSTRUCTION DETAIL**  
N.T.S.



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
  - VALVE COVER TO BE ADJUSTED TO 10mm BELOW FINISHED GRADE.
  - VALVE BOXES SHALL BE BITUMINOUS COATED TO PREVENT CORROSION.
  - VALVE TO BE EPOXY COATED WITH STAINLESS STEEL NUTS AND BOLTS.
  - VALVE TO BE RESILIENT SEATED WEDGE TYPE.
  - APPROVED BACKFILL TO BE COMPACTED TO A MINIMUM OF 98% SPD.
  - VALVE TO BE WRAPPED WITH 10 MIL POLY BEFORE INSTALLATION OF THRUST BLOCK.
  - CONCRETE THRUST BLOCK TO BE POURED CLEAR OF JOINTS OR FLANGES.
  - VALVE BOX TO BE ADEQUATELY PROTECTED AGAINST LATERAL MOVEMENT.
  - VALVE BOX TO INCLUDE ROCK GUARD.

**TYPICAL VALVE AND VALVE CASING**  
N.T.S.

REV	DATE	DESCRIPTION	BY
2	2025/01/28	ISSUED FOR TENDER	MS
1	2024/07/03	ISSUED FOR FINAL DESIGN	MS
0	2023/10/31	ISSUED FOR REVIEW	MS

DISCIPLINE	DESCRIPTION
TRANSPORTATION & INFRASTRUCTURE	

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DATE: 2023/06/05

APPROVED BY: M.STEFFLER

CHECKED BY: D.OTTO

DRAWN BY: J.JOHNSTON

ISSUED BY: M.STEFFLER

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

25mm

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PROJECT NUMBER: CA0048171.0443

CLIENT:

**Edson**

CLIENT REF. #: --

PROJECT:

**8th AVENUE REHABILITATION**

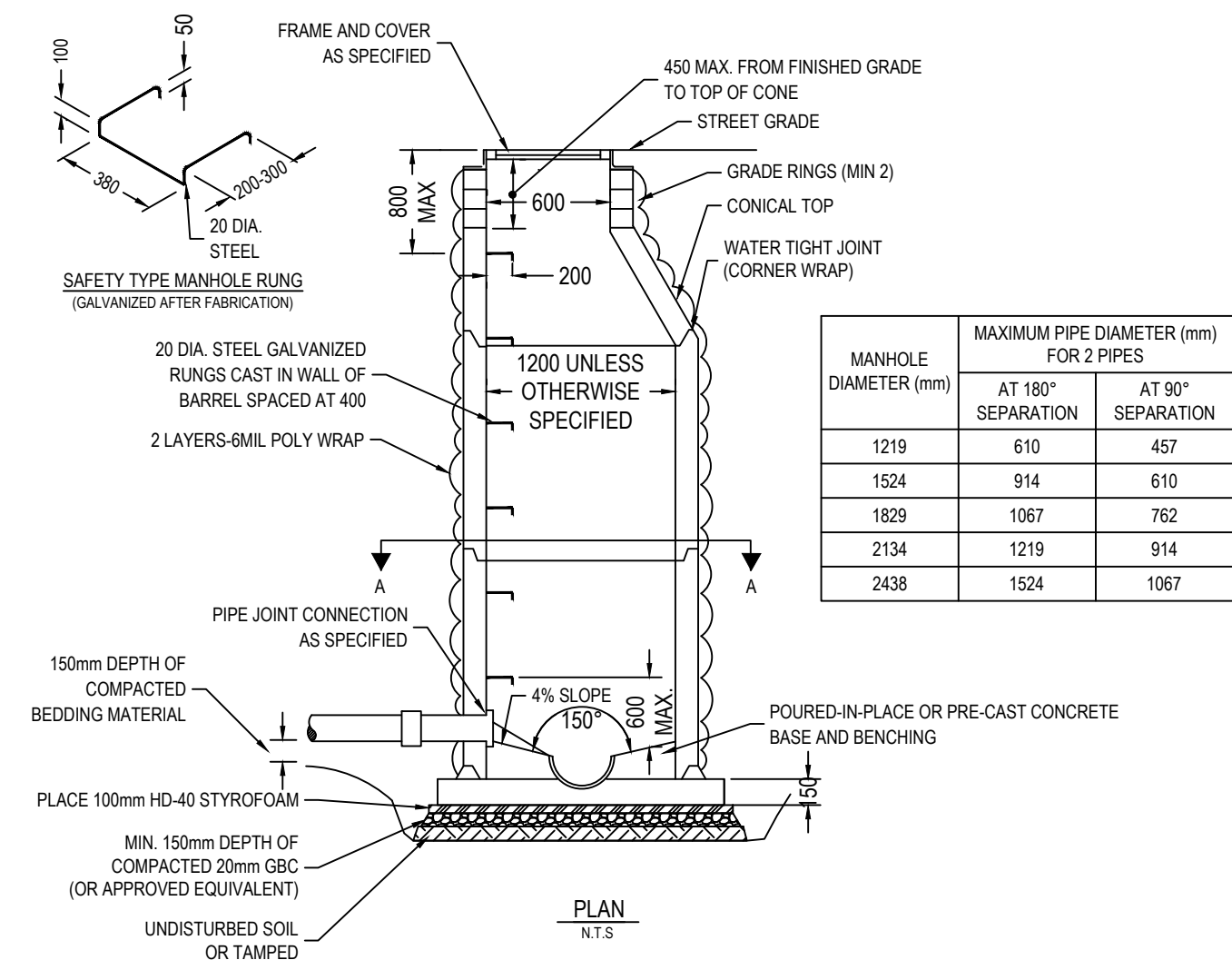
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**UNDERGROUND WATER DETAILS**

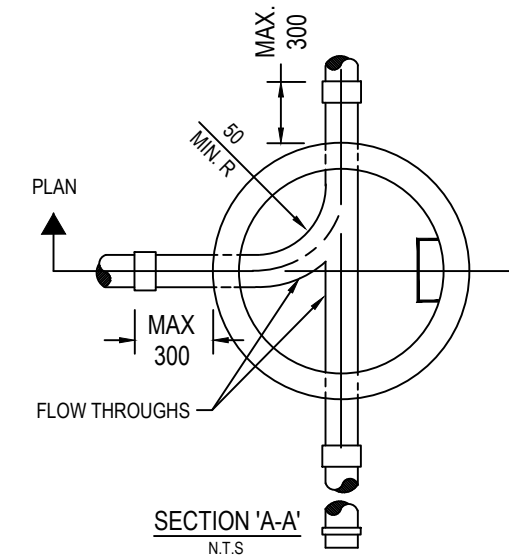
DRAWING NUMBER: C502

REV: 2

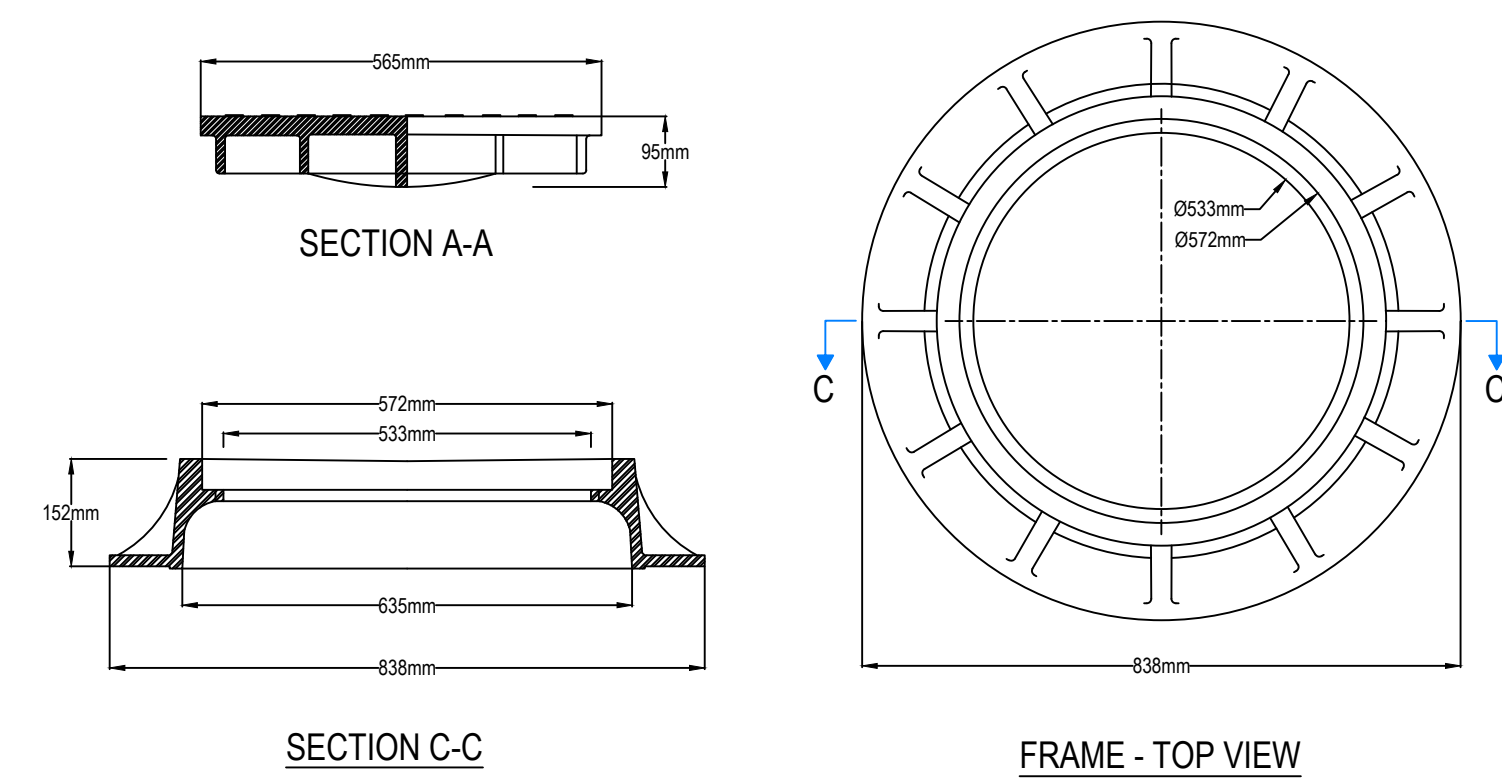
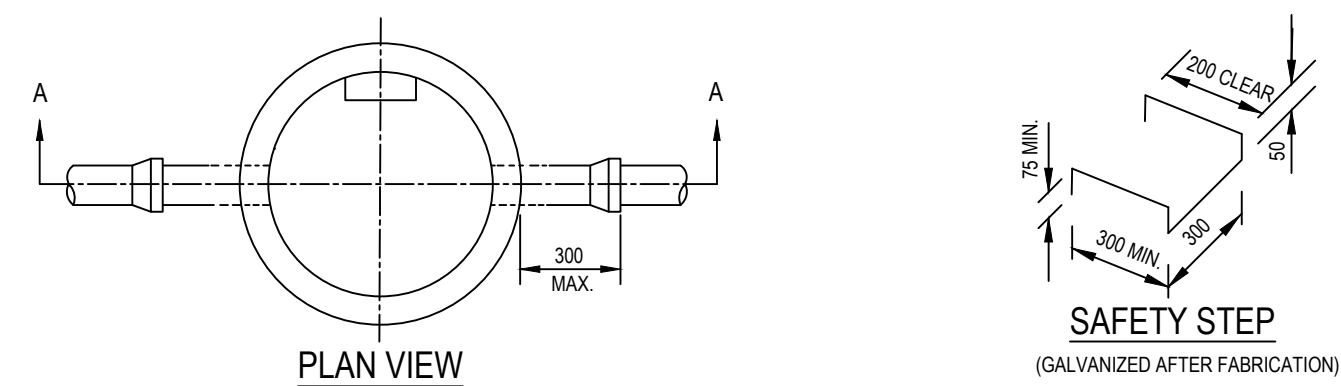
NOT FOR CONSTRUCTION



- NOTES:
- ALL PRE-CAST MANHOLES MUST CONFORM TO A.S.T.M. SPECIFICATIONS C478.
  - POURED IN PLACE CONCRETE BASES MAY BE USED; ALL POURED IN PLACE CONCRETE TO BE 30 MPa AT 28 DAYS.
  - ALL JOINTS TO BE SET WITH BITUMINOUS RUBBER GASKET AND SET WITH NON-SHRINK GROUT, INSIDE AND OUT, FOR THE FULL CIRCUMFERENCE. (FRAME, RINGS, CONE, SLAB BARREL)
  - FORM FLOW TROUGH IN PARTIALLY SET CONCRETE AND TROWEL SMOOTH.
  - ALL DIMENSIONS GIVEN IN MILLIMETRES UNLESS OTHERWISE STATED.
  - MAX. DIST. FROM RIM TO TOP RING IS 800 mm.
  - BACKFILL AROUND MH WITH SELECT NATIVE MATERIAL. COMPACT TO 98% S.P.D.
  - FLAT TOP SECTION TO BE USED FOR MANHOLES UP TO 1.8 m BURY.
  - FOR MANHOLES 5.0 m IN DEPTH OR GREATER, A SAFETY PLATFORM SHALL BE INSTALLED.
  - SAFETY STEPS TO BE PROVIDED, SPACED AT 400 MAX. LAST STEP 600 MAX. ABOVE BASE.
  - ALL SANITARY MANHOLE SURFACE SHOULD BE PAINTED WITH APPROVED DAMPROOFING MATERIAL.
  - FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 300mm OF CONCRETE BETWEEN VERTICAL EDGES OF PIPE OPENINGS.
  - MINIMUM 300mm RISER HEIGHT ABOVE ALL PIPE OPENINGS.
  - PRE-CAST CONCRETE BASE THICKNESS AND REINFORCEMENT MUST BE DESIGNED FOR THE SPECIFIC MANHOLE DEPTH AND SOIL.
  - SHOP DRAWINGS TO BE SUBMITTED TO TOWN OF EDSON FOR APPROVAL.
  - WRAP BARREL WITH 2 LAYERS-6MIL POLY WRAP

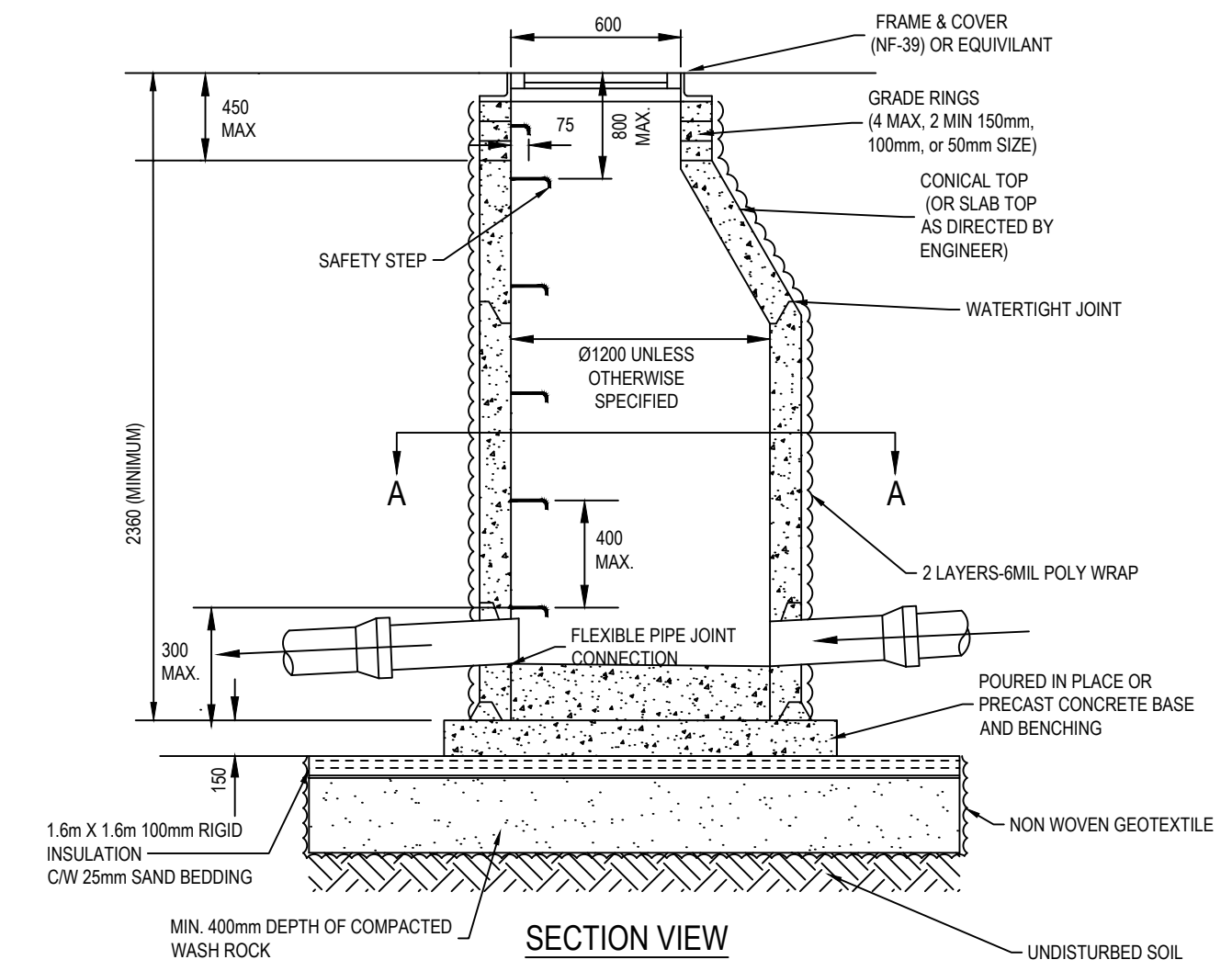


TYPICAL Ø1200mm SANITARY MH  
N.T.S.



- NOTES:
- DESIGN AND DIMENSIONS HERE INDICATED ARE ACCORDING TO NORWOOD FOUNDRY (NF-39) PRODUCT SPECIFICATIONS.
  - USE ALSO FOR STORM SEWER MANHOLES, WATER AND HYDRANT VAULTS.
  - SALVAGE ONLY THE MANHOLE COVERS OFF THE EXISTING MANHOLES. REINSTALL THE COVERS ON THE NEW MANHOLE.

NF-39 TYPE MANHOLE COVER  
N.T.S.



- NOTES:
- MANHOLE BARRELS TO MEET A.S.T.M. C-478 SPECIFICATIONS.
  - POURED IN PLACE CONCRETE BASES MAY BE USED; ALL POURED IN PLACE CONCRETE TO BE 30 MPa AT 28 DAYS.
  - ALL JOINTS TO BE WATERTIGHT AND PASS THE EXINFILTRATION TEST.
  - ALUMINUM SAFETY STEPS AT 300mm MAXIMUM TO FULL HEIGHT OF MANHOLE.
  - FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES OF CONCRETE BETWEEN VERTICAL EDGES OF PIPE OPENINGS.
  - MINIMUM 12 INCH RISER HEIGHT ABOVE ALL PIPE OPENINGS.
  - PRE-CAST CONCRETE BASE THICKNESS AND REINFORCEMENT MUST BE DESIGNED FOR THE SPECIFIC MANHOLE DEPTH AND SOIL.
  - FOR MANHOLES 5.0 m IN DEPTH OR GREATER, A SAFETY PLATFORM SHALL BE INSTALLED.
  - ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
  - WRAP BARRELS WITH TWO LAYERS OF 6MIL POLY

TYPICAL Ø 1200mm STORM MANHOLE  
N.T.S.

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ORIGINAL SCALE: AS NOTED	DATE: 2023/06/05
APPROVED BY: M.STEFFLER	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
CHECKED BY: D.OTTO	
DRAWN BY: J.JOHNSTON	
DESIGNED BY: M.STEFFLER	

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PROJECT NUMBER: CA0048171.0443

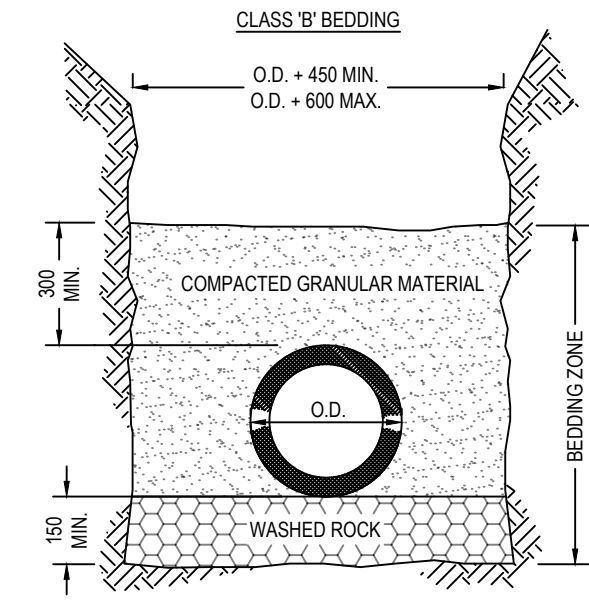
CLIENT REF. # --

PROJECT:  
8th AVENUE  
REHABILITATION

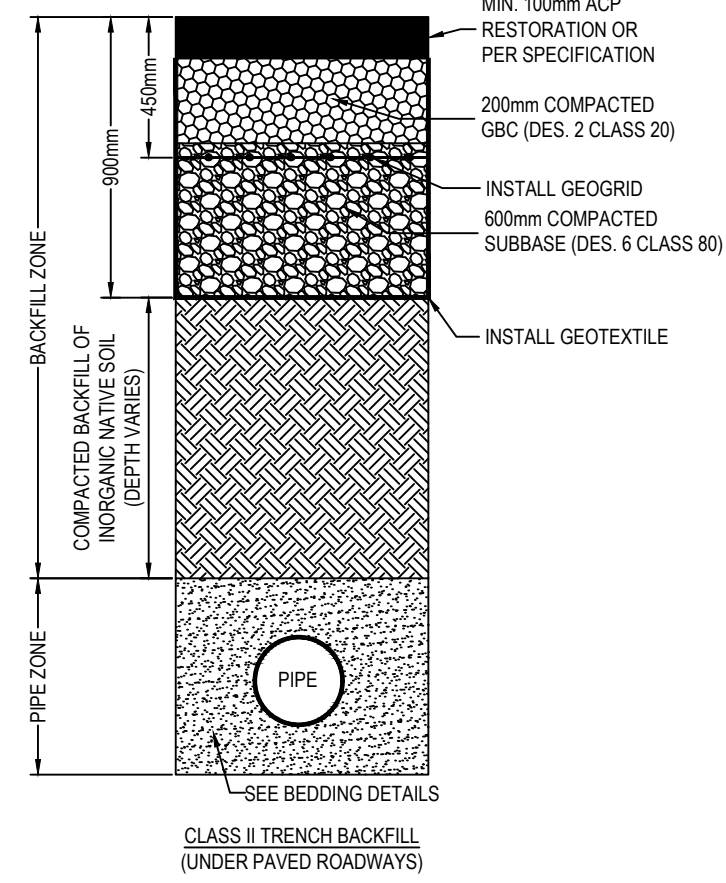
TITLE:  
UNDERGROUND STORM AND  
SANITARY DETAILS

DRAWING NUMBER: C503	REV: 2
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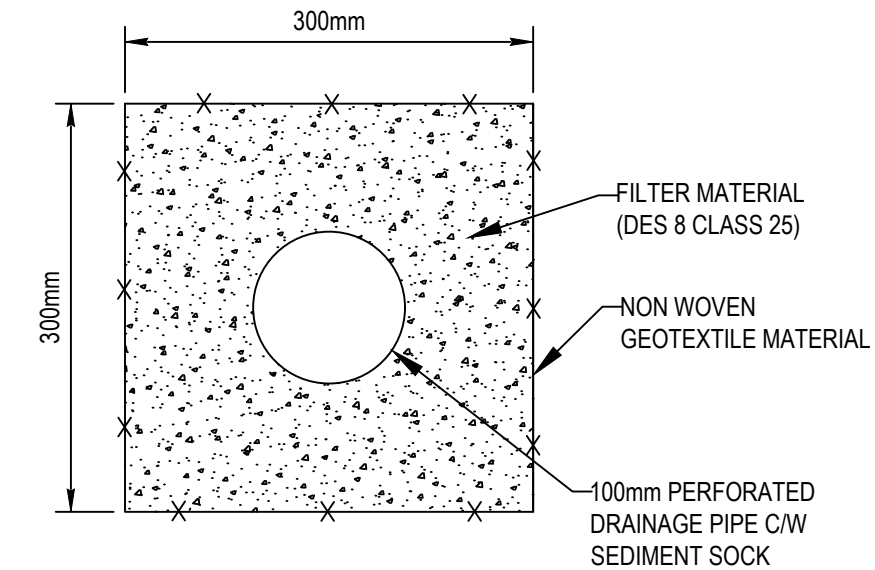
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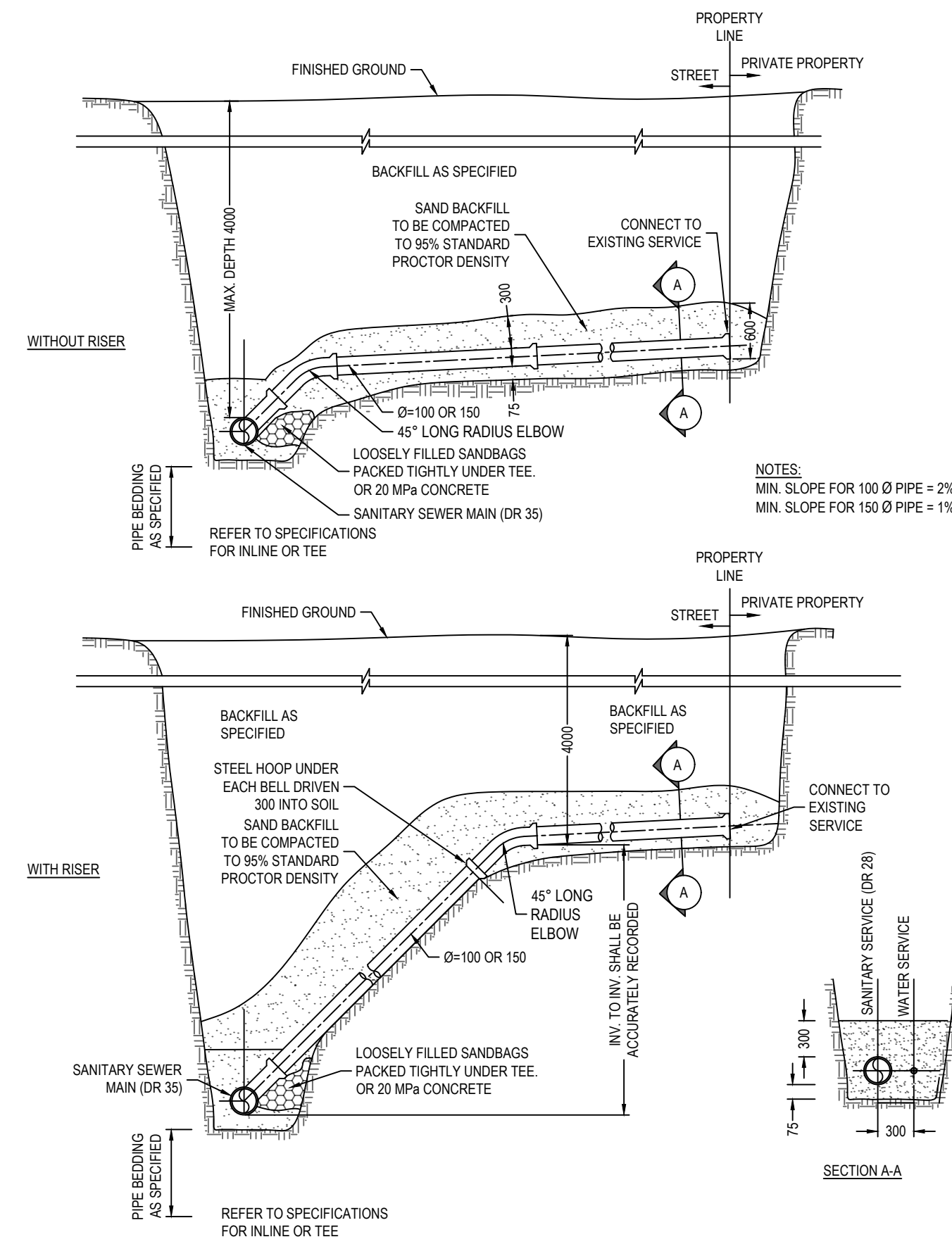
- NOTE:
1. COMPACTION OF BEDDING ZONE SHALL BE AS PER SPECIFICATIONS. (MIN. 95% S.P.D.)
  2. ALL BACKFILL MATERIAL TO BE PLACED AND COMPACTED IN LIFTS OF NO GREATER THAN 300mm.
  3. ALL BACKFILL COMPACTION SHALL BE TO A MINIMUM OF 98% OF THE STANDARD PROCTOR DENSITY FOR EACH BACKFILL MATERIAL NOTED.
  4. THE CONTRACTOR SHALL COMPLY WITH THE MINIMUM TESTING REQUIREMENTS STIPULATED IN THE SPECIFICATIONS.
  5. TRENCH SIDE SLOPES TO BE CONSISTENT WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS
  6. ALL DIMENSION ARE IN mm UNLESS OTHERWISE SPECIFIED.



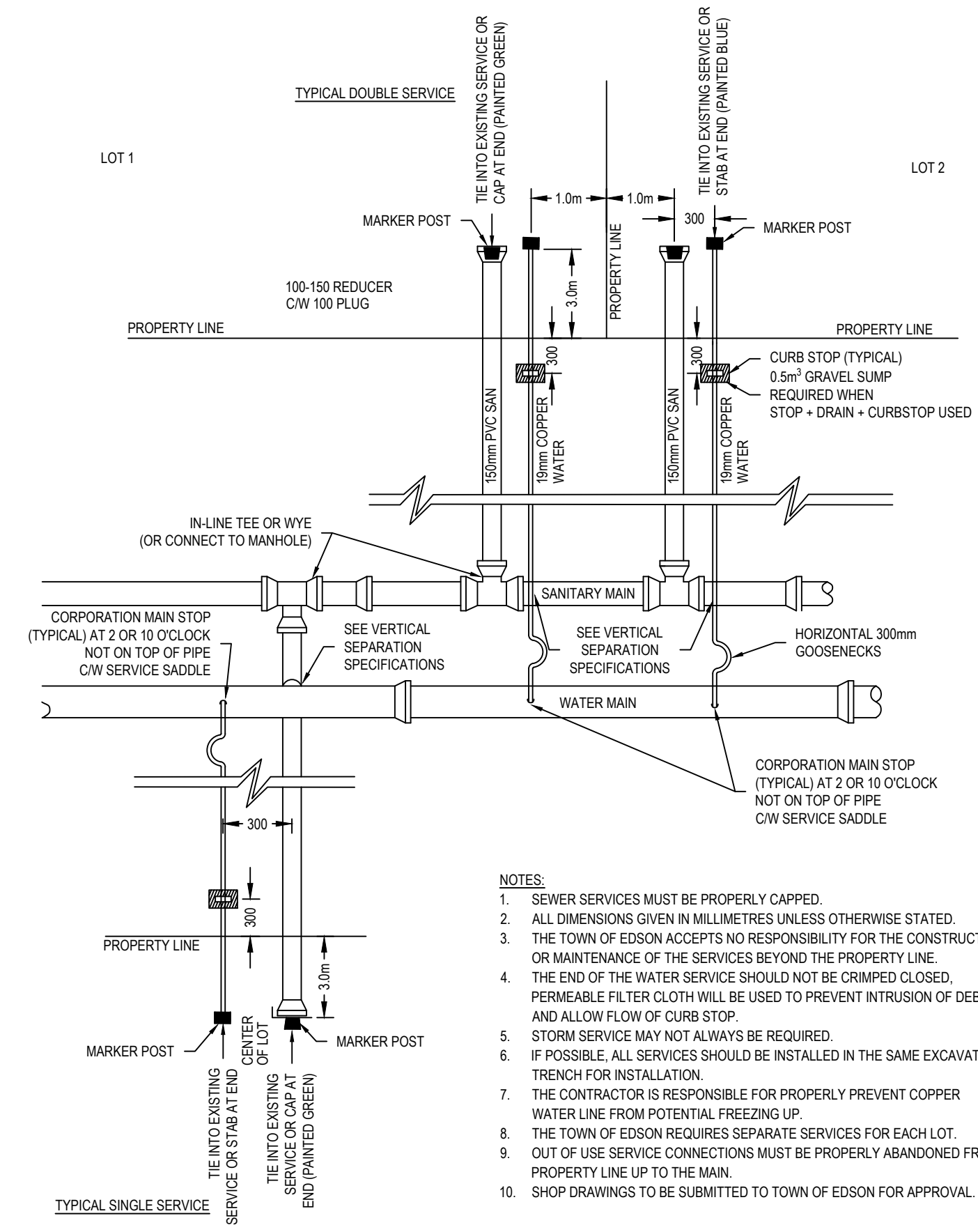
**CLASS II TRENCH BACKFILL WITH BEDDING FOR PIPE**  
N.T.S.



**100mm PERFORATED DRAINAGE PIPE DETAIL**  
N.T.S.



**TYPICAL SANITARY SERVICE CONNECTION**  
N.T.S.



**DOUBLE LOT SERVICE LAYOUT**  
N.T.S.

- NOTES:
1. SEWER SERVICES MUST BE PROPERLY CAPPED.
  2. ALL DIMENSIONS GIVEN IN MILLIMETRES UNLESS OTHERWISE STATED.
  3. THE TOWN OF EDSON ACCEPTS NO RESPONSIBILITY FOR THE CONSTRUCTION OR MAINTENANCE OF THE SERVICES BEYOND THE PROPERTY LINE.
  4. THE END OF THE WATER SERVICE SHOULD NOT BE CRIMPED CLOSED. PERMEABLE FILTER CLOTH WILL BE USED TO PREVENT INTRUSION OF DEBRIS AND ALLOW FLOW OF CURB STOP.
  5. STORM SERVICE MAY NOT ALWAYS BE REQUIRED.
  6. IF POSSIBLE, ALL SERVICES SHOULD BE INSTALLED IN THE SAME EXCAVATION TRENCH FOR INSTALLATION.
  7. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY PREVENT COPPER WATER LINE FROM POTENTIAL FREEZING UP.
  8. THE TOWN OF EDSON REQUIRES SEPARATE SERVICES FOR EACH LOT.
  9. OUT OF USE SERVICE CONNECTIONS MUST BE PROPERLY ABANDONED FROM PROPERTY LINE UP TO THE MAIN.
  10. SHOP DRAWINGS TO BE SUBMITTED TO TOWN OF EDSON FOR APPROVAL.

REVISION:			
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APPROVED BY: M.STEFFLER	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
CHECKED BY: D.OTTO	
DRAWN BY: J. JOHNSTON	
ISSUED BY: M.STEFFLER	

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PROJECT NUMBER: CA0048171.0443

CLIENT:



PROJECT: **8th AVENUE REHABILITATION**

TITLE: **UNDERGROUND WATER AND SANITARY DETAILS**

DRAWING NUMBER: C504	REV: 2
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