

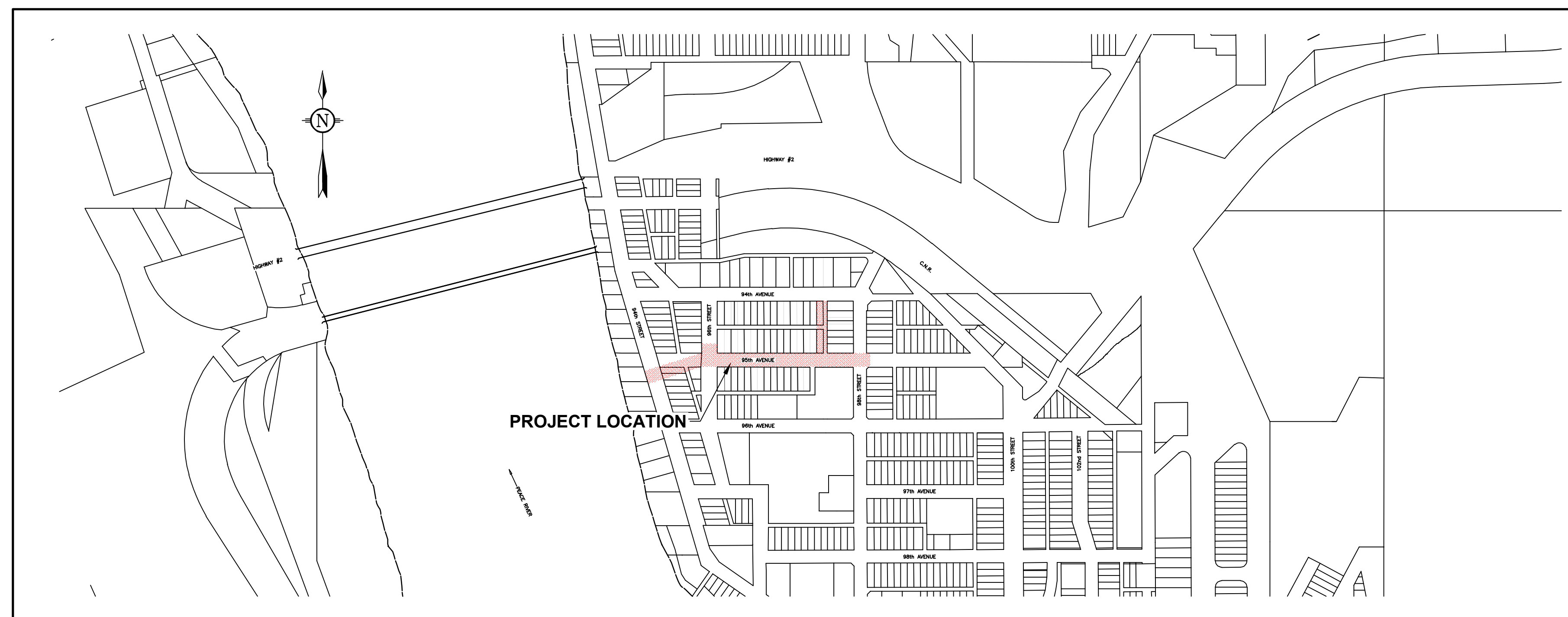
TOWN OF PEACE RIVER

NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023

95th AVENUE; 94th STREET TO 98th STREET

BLOCK 11 LANE; 94th AVENUE TO 95th AVENUE

PEACE RIVER, ALBERTA



LOCATION PLAN
N.T.S.



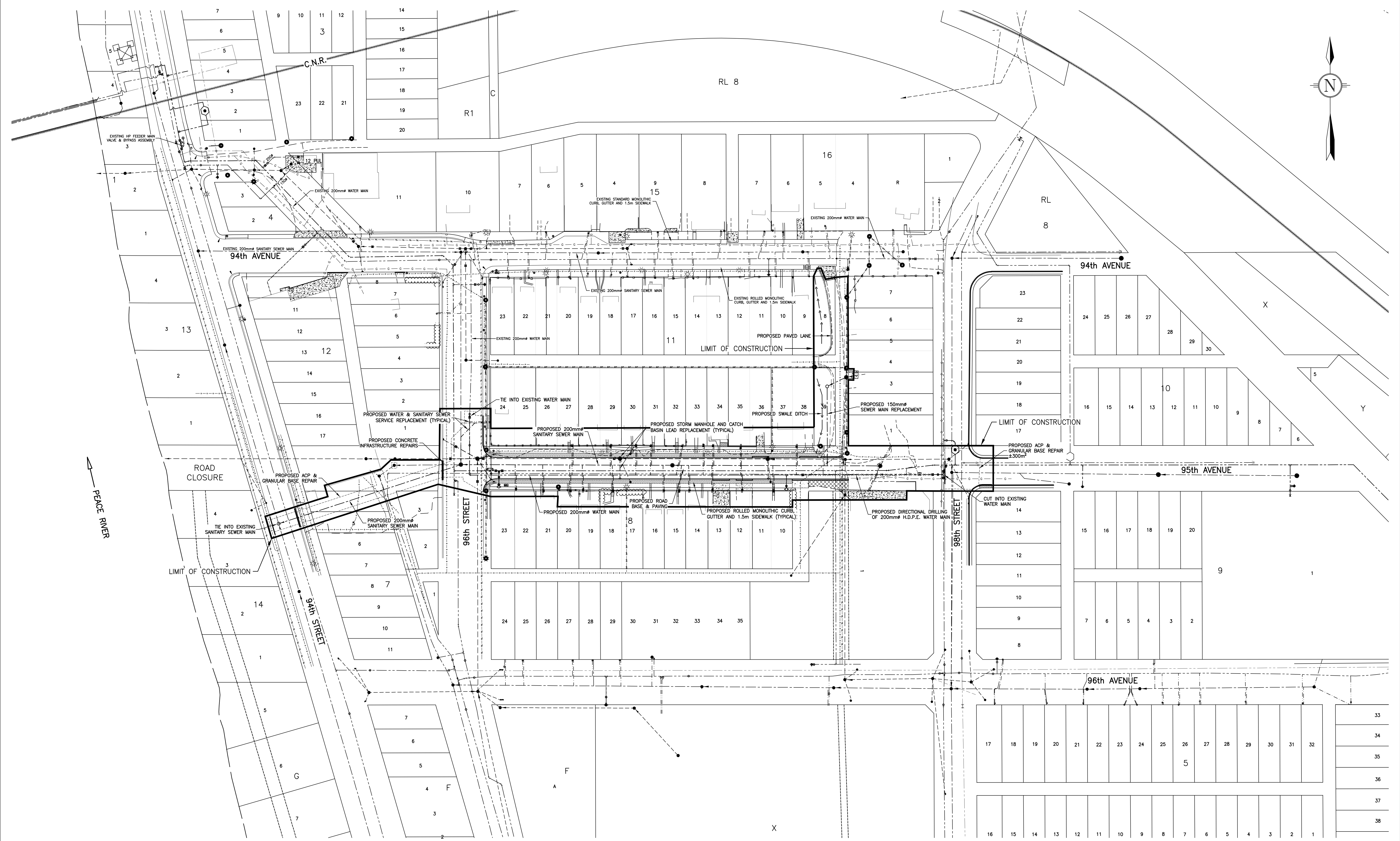
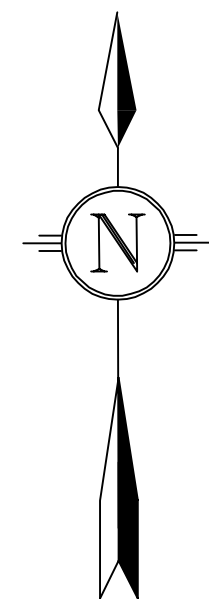
DRAWING LIST

SHEET NO.	DWG. NO.	TITLE
—	234423-00	COVER SHEET
1 of 7	234423-01	OVERALL PLAN
2 of 7	234423-02	PLAN/PROFILE - 95th AVENUE - UNDERGROUND
3 of 7	234423-03	PLAN/PROFILE - LANE - UNDERGROUND AND ROADWORK
4 of 7	234423-04	PLAN/PROFILE - 95th AVENUE - ROAD WORK AND CONCRETE
5 of 7	234423-05	STANDARD DETAILS - DEEP UTILITIES
6 of 7	234423-06	STANDARD DETAILS - ROAD WORK
7 of 7	234423-07	CROSS SECTIONS - DETAILS

INFORMATION DRAWINGS

- E1 - TPR EXISTING INFRASTRUCTURE REFERENCE DRAWING (1 SHEET)
- AE1-2 - AESL WATER FEEDERMAIN STANDARD DETAILS (2 SHEETS)

McINTOSH PERRY



PROPOSED	EXISTING	PROPOSED	EXISTING
--- W	--- W	○ M	○ M
--- S	--- S	○ C	○ C
--- ST	--- ST	○ SC	○ SC
--- TEL	--- TEL	○ CL	○ CL
--- UG	--- UG	○ GV	○ GV
--- G	--- G	○ WP	○ WP
--- OHP	--- OHP	○ H	○ H
--- S	--- S	○ T	○ T
--- EOP	--- EOP	○ CS	○ CS
--- EG	--- EG	○ R	○ R

CONSULTANT
McINTOSH PERRY
 ISSUED FOR TENDER

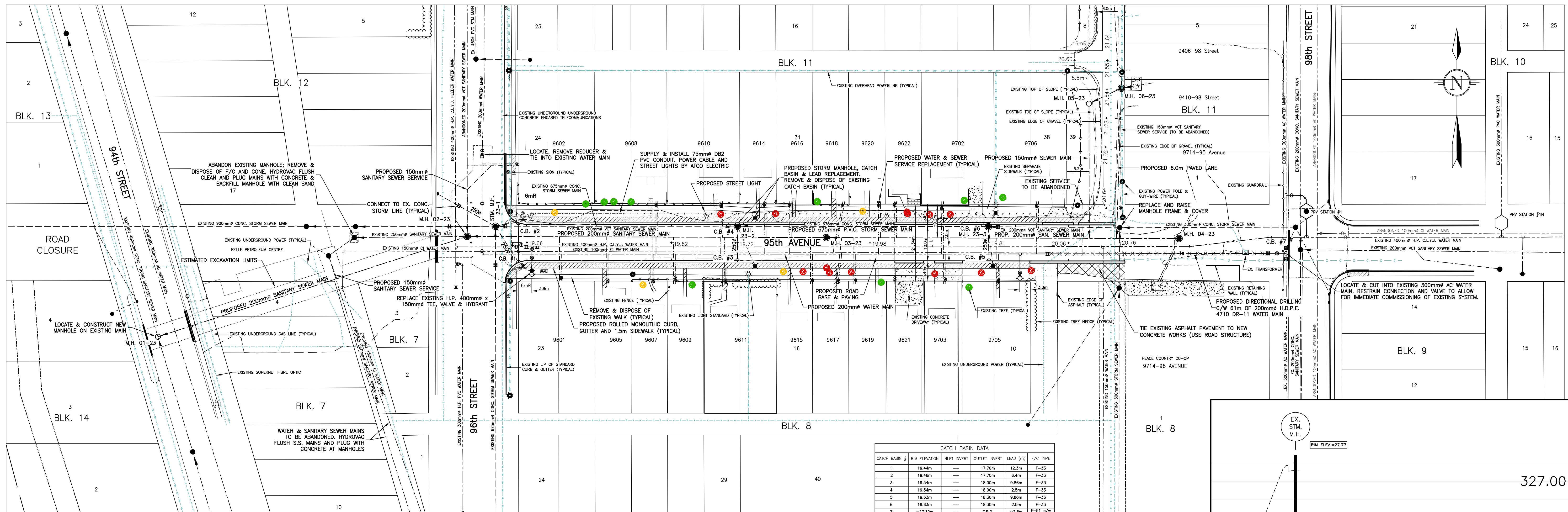
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 ENGINEER STAMP

REV	DATE	REVISION	BY
06/01/2023		MCINTOSH PERRY TITLE BLOCKS ADDED	MW
05/25/2023		DRAWINGS RECEIVED FROM TOWN	-

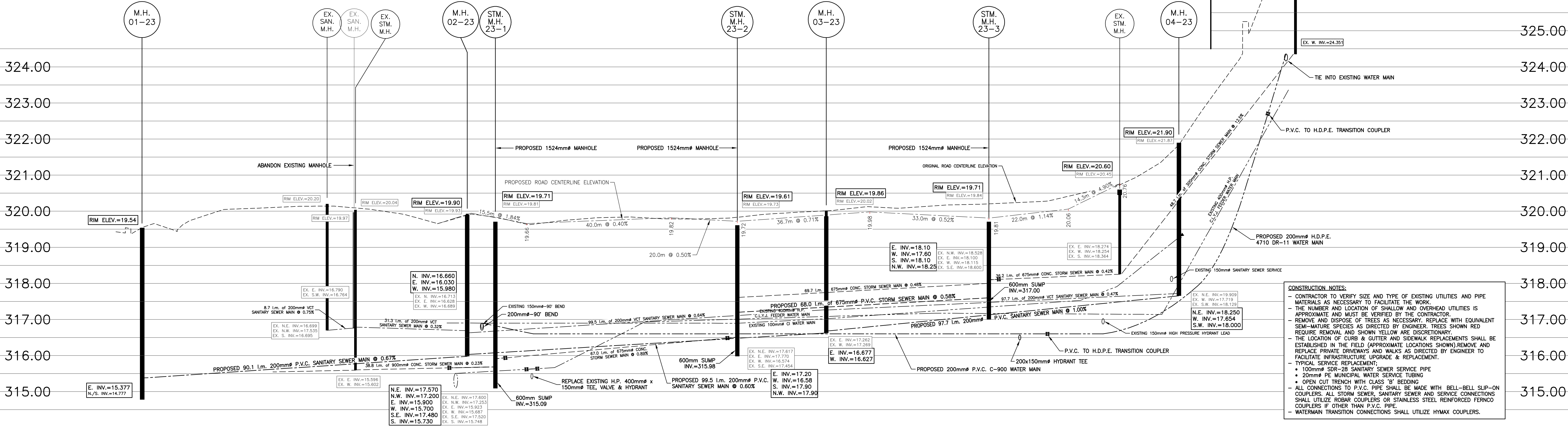
TOWN OF PEACE RIVER
 NEIGHBOURHOOD INFRASTRUCTURE RENEWAL – 2023
 95TH AVENUE; 94TH STREET TO 98TH STREET
 BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE
 OVERALL PLAN

LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVENUE	234423-00	1 OF 7	234423-01

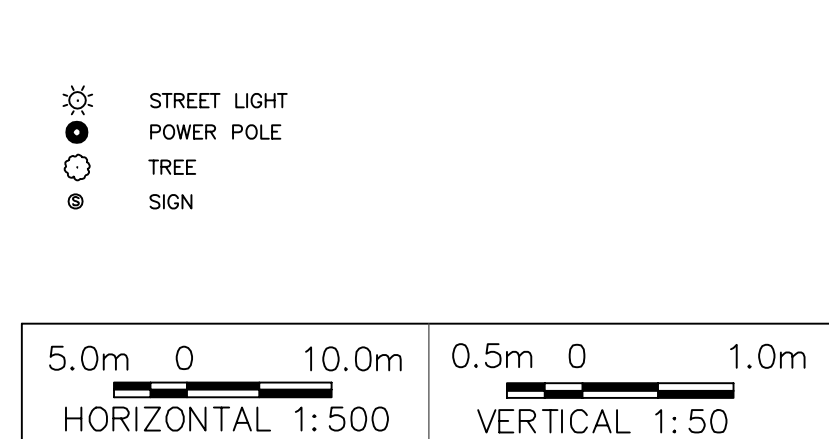
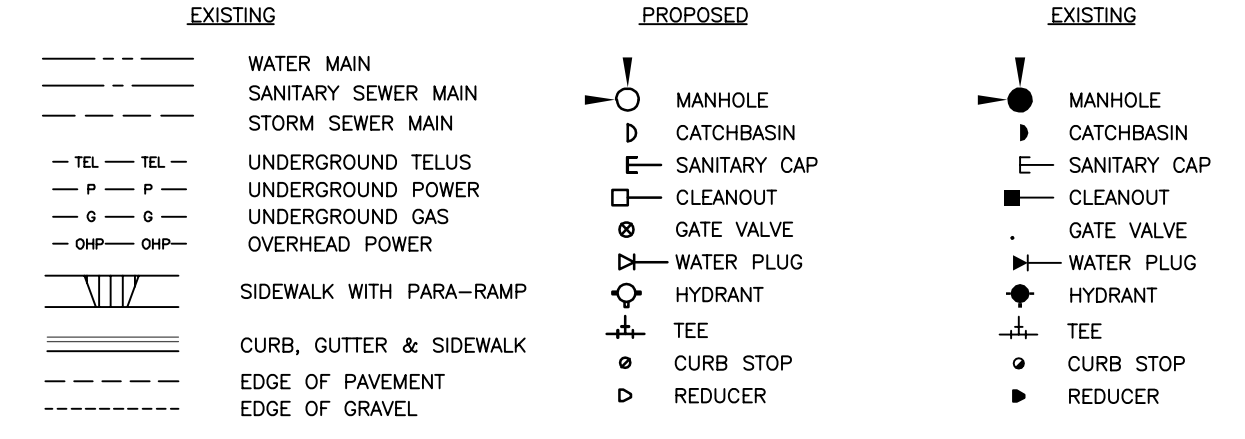
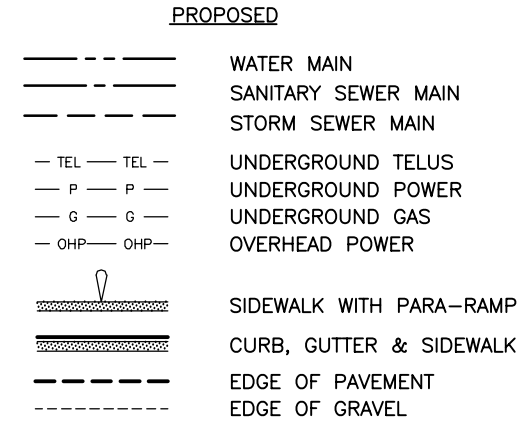




CATCH BASIN DATA				
CATCH BASIN #	RM ELEVATION	INLET INVERT	OUTLET INVERT	LEAD (m)
1	19.44m	---	17.70m	12.3m
2	19.46m	---	17.70m	6.4m
3	19.54m	---	18.00m	9.86m
4	19.54m	---	18.00m	2.5m
5	19.63m	---	18.30m	9.86m
6	19.63m	---	18.30m	2.5m
7	-27.32m	---	18.00m	-2.5m



- CONSTRUCTION NOTES:**
- CONTRACTOR TO VERIFY SIZE AND TYPE OF EXISTING UTILITIES AND PIPE MATERIALS AS NECESSARY TO FACILITATE THE WORK.
 - THE NUMBER AND LOCATION OF SHALLOW AND OVERHEAD UTILITIES IS APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR.
 - REMOVE AND DISPOSE OF TREES AS NECESSARY. REPLACE WITH EQUIVALENT SEMI-MATURE SPECIES AS DIRECTED BY ENGINEER. TREES SHOWN RED REQUIRE REMOVAL AND SHOWN YELLOW ARE DISCRETIONARY.
 - THE LOCATION OF CURB & GUTTER AND SIDEWALK REPLACEMENTS SHALL BE ESTABLISHED IN THE FIELD (APPROXIMATE LOCATIONS SHOWN), REMOVE AND REPLACE PRIVATE DRIVEWAYS AND WALKS AS DIRECTED BY ENGINEER TO FACILITATE INFRASTRUCTURE UPGRADE & REPLACEMENT.
 - TYPICAL SERVICE REPLACEMENT:
 - 100mm SDR-28 SANITARY SEWER SERVICE PIPE
 - 200mm PE MUNICIPAL WATER SERVICE TUBING
 - OPEN CUT TRENCH WITH CLASS 'B' BEDDING
 - ALL CONNECTIONS TO P.V.C. PIPE SHALL BE MADE WITH BELL-BELL SLIP-ON COUPLERS. ALL STORM SEWER, SANITARY SEWER AND SERVICE CONNECTIONS SHALL UTILIZE ROBAR COUPLERS OR STAINLESS STEEL REINFORCED FERROCOUPLERS IF OTHER THAN P.V.C. PIPE.
 - WATERMAIN TRANSITION CONNECTIONS SHALL UTILIZE HYMAC COUPLERS.



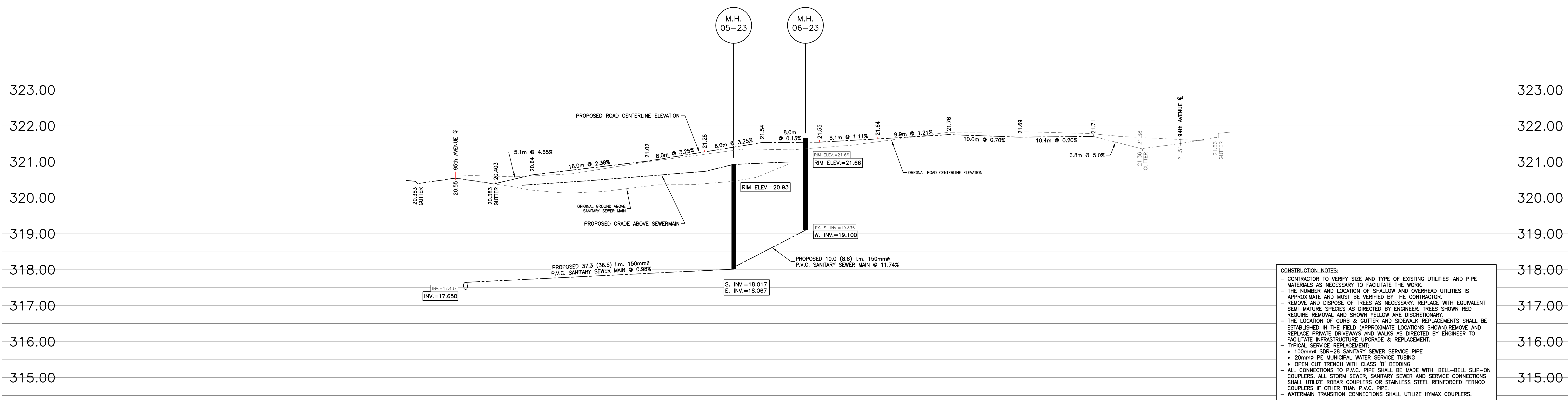
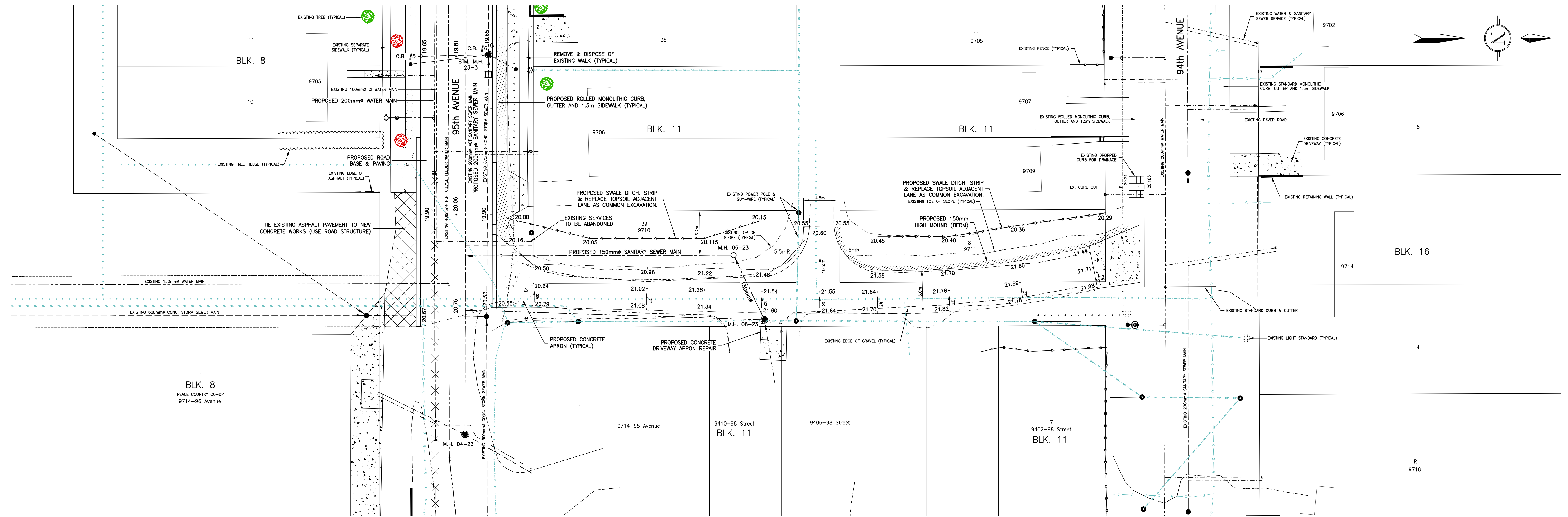
CONSULTANT
McINTOSH PERRY
ISSUED FOR TENDER

PERMIT TO PRACTICE STAMP
ENGINEER STAMP

REV	DATE	REVISION	BY
06/01/2023	MCINTOSH PERRY TITLE BLOCKS ADDED	MW	
05/25/2023	DRAWINGS RECEIVED FROM TOWN		

TOWN OF PEACE RIVER
NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023
95TH AVENUE; 94TH STREET TO 98TH STREET
BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE
PLAN/PROFILE 95TH AVENUE - UNDEGROUND

LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVE	234423-00	2 OF 7	234423-02



CONSTRUCTION NOTES:

- CONTRACTOR TO VERIFY SIZE AND TYPE OF EXISTING UTILITIES AND PIPE MATERIALS AS NECESSARY TO FACILITATE THE WORK.
- THE NUMBER AND LOCATION OF SHALLOW AND OVERHEAD UTILITIES IS APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR.
- REMOVE AND DISPOSE OF TREES AS NECESSARY. REPLACE WITH EQUIVALENT SEMI-MATURE SPECIES AS DIRECTED BY ENGINEER. TREES SHOWN RED REQUIRE REMOVAL AND SHOWN YELLOW ARE DISCRETIONARY.
- THE LOCATION OF CURB & GUTTER AND SIDEWALK REPLACEMENTS SHALL BE ESTABLISHED IN THE FIELD (APPROXIMATE LOCATIONS SHOWN). REMOVE AND REPLACE PRIVATE DRIVEWAYS AND WALKS AS DIRECTED BY ENGINEER TO FACILITATE INFRASTRUCTURE UPGRADE & REPLACEMENT.
- TYPICAL SERVICE REPLACEMENT:
 - 100mm \varnothing SDR-28 SANITARY SEWER SERVICE PIPE
 - 200mm \varnothing PE MUNICIPAL WATER SERVICE TUBING
- OPEN CUT TRENCH WITH CLASS "B" BEDDING
- ALL CONNECTIONS TO P.V.C. PIPE SHALL BE MADE WITH BELL-BELL SLIP-ON COUPLERS. ALL STORM SEWER, SANITARY SEWER AND SERVICE CONNECTIONS SHALL UTILIZE ROBAR COUPLERS OR STAINLESS STEEL REINFORCED FERRCO COUPLERS IF OTHER THAN P.V.C. PIPE
- WATERMAIN TRANSITION CONNECTIONS SHALL UTILIZE HMAX COUPLERS.

PROPOSED	EXISTING	PROPOSED	EXISTING
--- WATER MAIN	--- WATER MAIN	○ MANHOLE	● MANHOLE
--- SANITARY SEWER MAIN	--- SANITARY SEWER MAIN	○ CATCHBASIN	● CATCHBASIN
--- STORM SEWER MAIN	--- STORM SEWER MAIN	○ SANITARY CAP	● SANITARY CAP
--- UNDERGROUND TELUS	--- UNDERGROUND TELUS	○ CLEANOUT	● CLEANOUT
--- UNDERGROUND POWER	--- UNDERGROUND POWER	○ GATE VALVE	● GATE VALVE
--- UNDERGROUND GAS	--- UNDERGROUND GAS	○ WATER PLUG	● WATER PLUG
--- OVERHEAD POWER	--- OVERHEAD POWER	○ HYDRANT	● HYDRANT
--- SIDEWALK WITH PARA-RAMP	--- SIDEWALK WITH PARA-RAMP	○ TEE	● TEE
--- CURB, GUTTER & SIDEWALK	--- CURB, GUTTER & SIDEWALK	○ CURB STOP	● CURB STOP
--- EDGE OF PAVEMENT	--- EDGE OF PAVEMENT	○ REDUCER	● REDUCER
--- EDGE OF GRAVEL	--- EDGE OF GRAVEL	○ STREET LIGHT	● STREET LIGHT
		○ POWER POLE	● POWER POLE
		○ TREE	● TREE
		○ SIGN	● SIGN

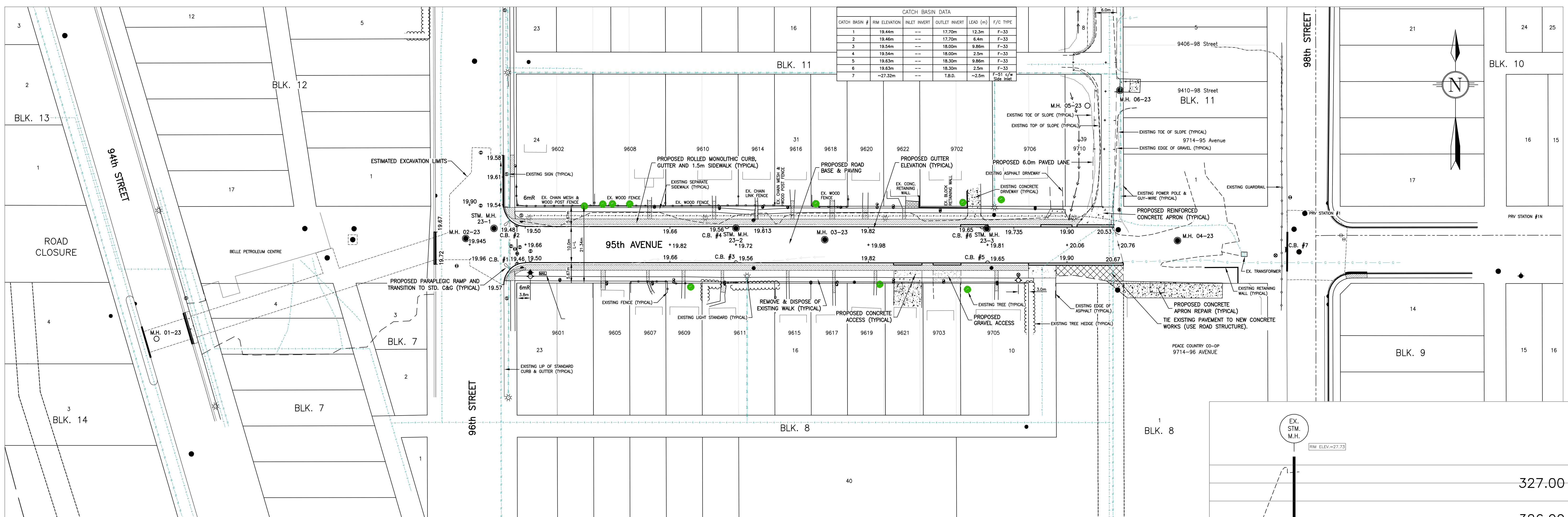
CONSULTANT
McINTOSH PERRY

ISSUED FOR TENDER

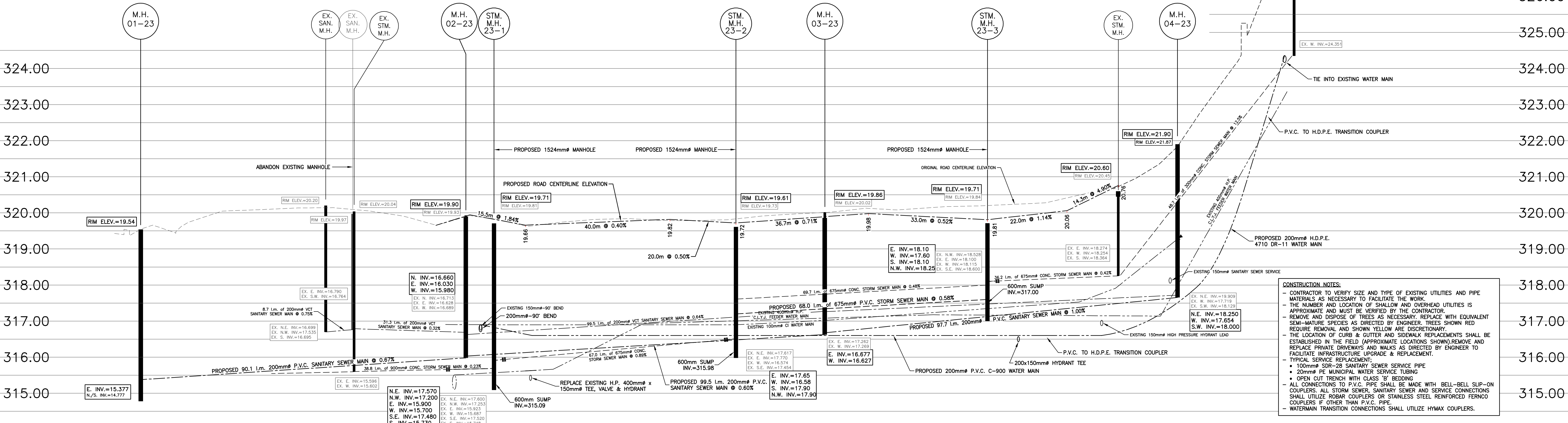
HORIZONTAL 1:250
VERTICAL 1:50

REV	DATE	REVISION	BY
06/01/2023		MCINTOSH PERRY TITLE BLOCKS ADDED	MW
05/25/2023		DRAWINGS RECEIVED FROM TOWN	

TOWN OF PEACE RIVER				
NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023				
95TH AVENUE; 94TH STREET TO 98TH STREET				
BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE				
PLAN/PROFILE LANE - UNDEGROUND AND ROAD WORK				
LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVE	234423-00	3 OF 7	234423-03



CATCH BASIN DATA					
CATCH BASIN #	RIM ELEVATION	INLET INVERT	OUTLET INVERT	LEAD (m)	F/C TYPE
1	19.44m	---	17.70m	12.3m	F-33
2	19.46m	---	17.70m	6.4m	F-33
3	19.54m	---	18.00m	9.86m	F-33
4	19.54m	---	18.00m	2.5m	F-33
5	19.63m	---	18.30m	9.86m	F-33
6	19.63m	---	18.30m	2.5m	F-33
7	~27.32m	---	1.8.D.	~2.5m	Side Inlet



CONSTRUCTION NOTES:

- CONTRACTOR TO VERIFY SIZE AND TYPE OF EXISTING UTILITIES AND PIPE MATERIALS AS NECESSARY TO FACILITATE THE WORK.
- THE NUMBER AND LOCATION OF SHALLOW AND OVERHEAD UTILITIES IS APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR.
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- THE LOCATION OF CURB & GUTTER AND SIDEWALK REPLACEMENTS SHALL BE ESTABLISHED IN THE FIELD (APPROXIMATE LOCATIONS SHOWN). REMOVE AND REPLACE PRIVATE DRIVEWAYS AND WALKS AS DIRECTED BY ENGINEER TO FACILITATE INFRASTRUCTURE UPGRADE & REPLACEMENT.
- TYPICAL SERVICE REPLACEMENT:
 - 100mm SDR-28 SANITARY SEWER SERVICE PIPE
 - 20mm PE MUNICIPAL WATER SERVICE TUBING
 - OPEN CUT TRENCH WITH GLASS 'B' BEDDING
- ALL CONNECTIONS TO P.V.C. PIPE SHALL BE MADE WITH BELL-BELL SLIP-ON COUPLERS. ALL STORM SEWER, SANITARY SEWER AND SERVICE CONNECTIONS SHALL UTILIZE ROBAR COUPLERS OR STAINLESS STEEL REINFORCED FERROCOUPLERS IF OTHER THAN P.V.C. PIPE.
- WATERMAIN TRANSITION CONNECTIONS SHALL UTILIZE HYMAX COUPLERS.

PROPOSED	EXISTING	PROPOSED	EXISTING
WATER MAIN	WATER MAIN	MANHOLE	MANHOLE
SANITARY SEWER MAIN	SANITARY SEWER MAIN	CATCHBASIN	CATCHBASIN
STORM SEWER MAIN	STORM SEWER MAIN	SANITARY CAP	SANITARY CAP
UNDERGROUND TELUS	UNDERGROUND TELUS	CLEANOUT	CLEANOUT
UNDERGROUND POWER	UNDERGROUND POWER	GATE VALVE	GATE VALVE
UNDERGROUND GAS	UNDERGROUND GAS	WATER PLUG	WATER PLUG
OVERHEAD POWER	OVERHEAD POWER	HYDRANT	HYDRANT
SIDEWALK WITH PARA-RAMP	SIDEWALK WITH PARA-RAMP	TEE	TEE
CURB, GUTTER & SIDEWALK	CURB, GUTTER & SIDEWALK	CURB STOP	CURB STOP
EDGE OF PAVEMENT	EDGE OF PAVEMENT	REDUCER	REDUCER
EDGE OF GRAVEL	EDGE OF GRAVEL		

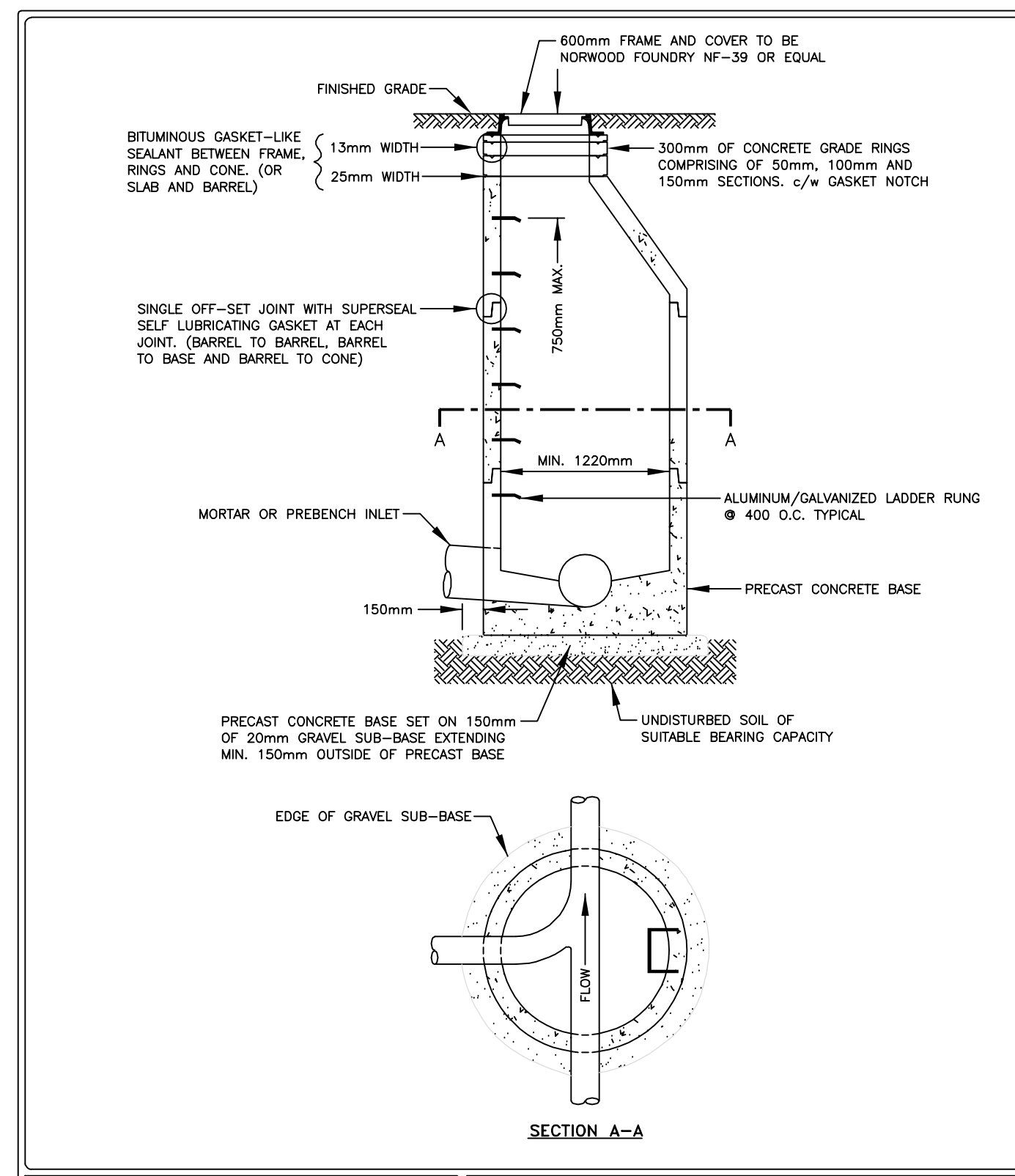
CONSULTANT
McINTOSH PERRY

ISSUED FOR TENDER

HORIZONTAL 1: 500
VERTICAL 1: 50

REV	DATE	REVISION	BY
06/01/2023	MCINTOSH PERRY TITLE BLOCKS ADDED	MW	
05/25/2023	DRAWINGS RECEIVED FROM TOWN		

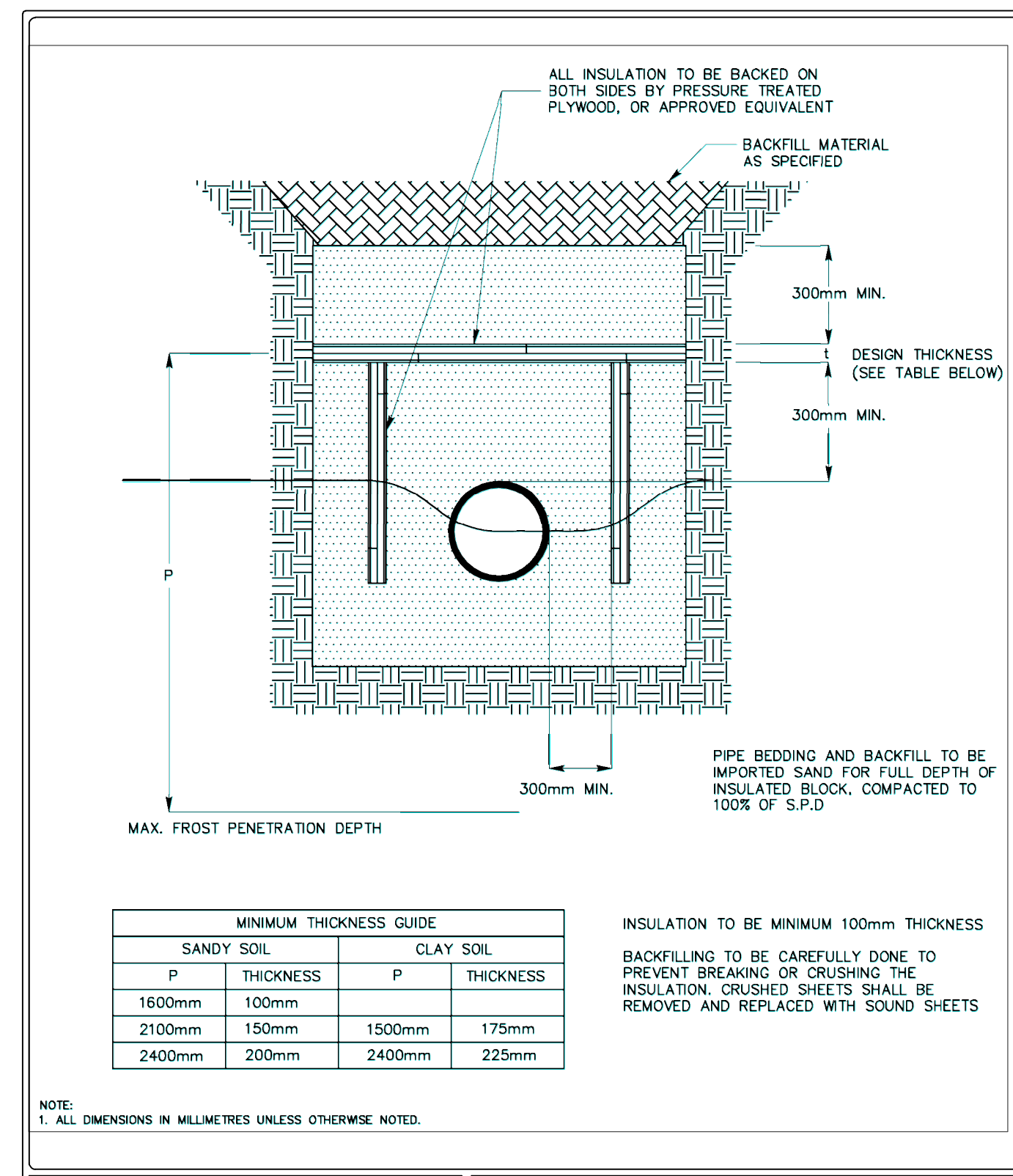
TOWN OF PEACE RIVER				
NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023				
95TH AVENUE; 94TH STREET TO 98TH STREET				
BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE				
PLAN/PROFILE 95TH AVENUE ROADWORK AND CONCRETE				
LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVE	234423-00	4 OF 7	234423-04



McINTOSH PERRY

PRECAST CONCRETE MANHOLE

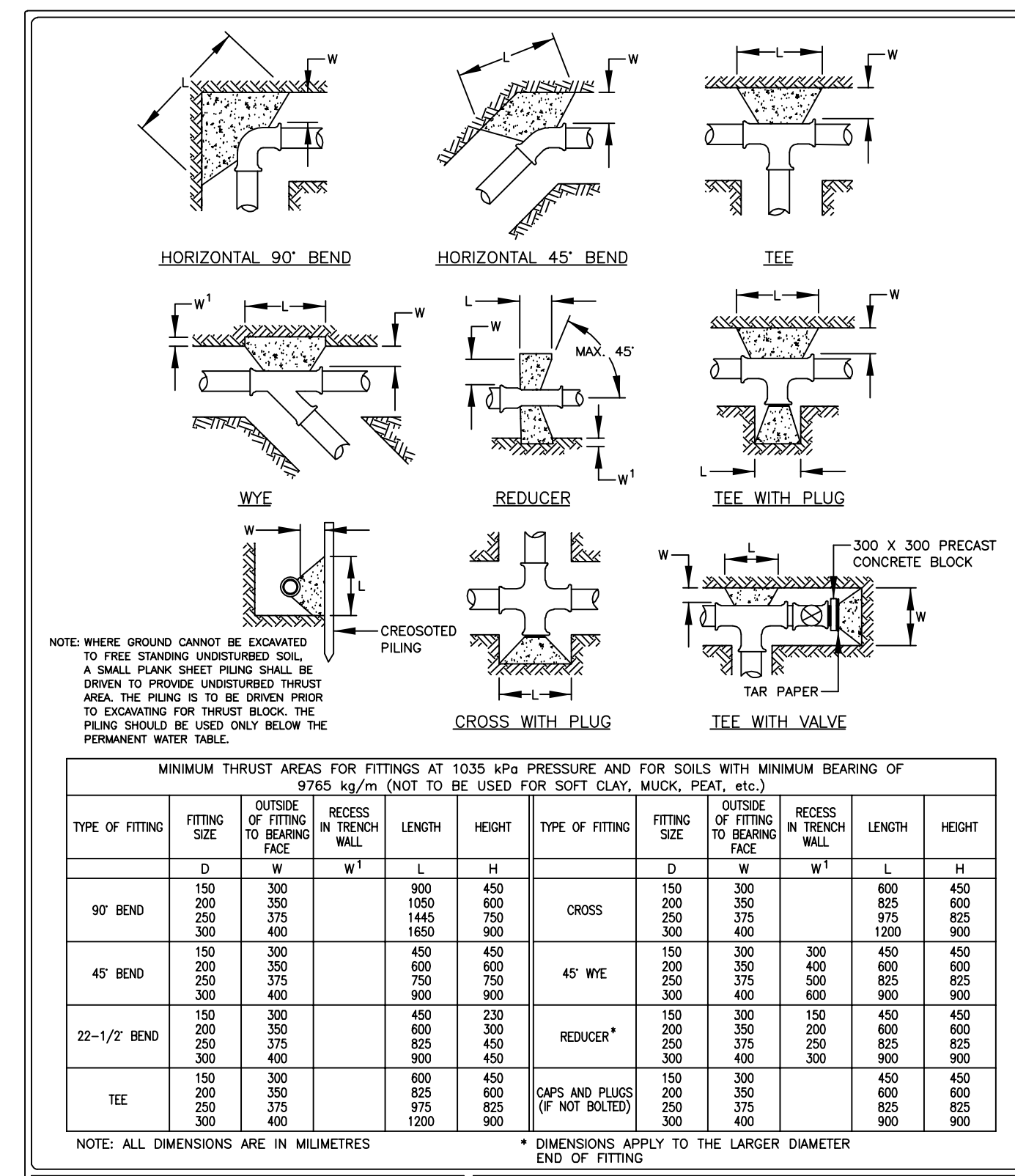
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McINTOSH PERRY

INSULATION REQUIREMENTS FOR WATER MAINS /SERVICES

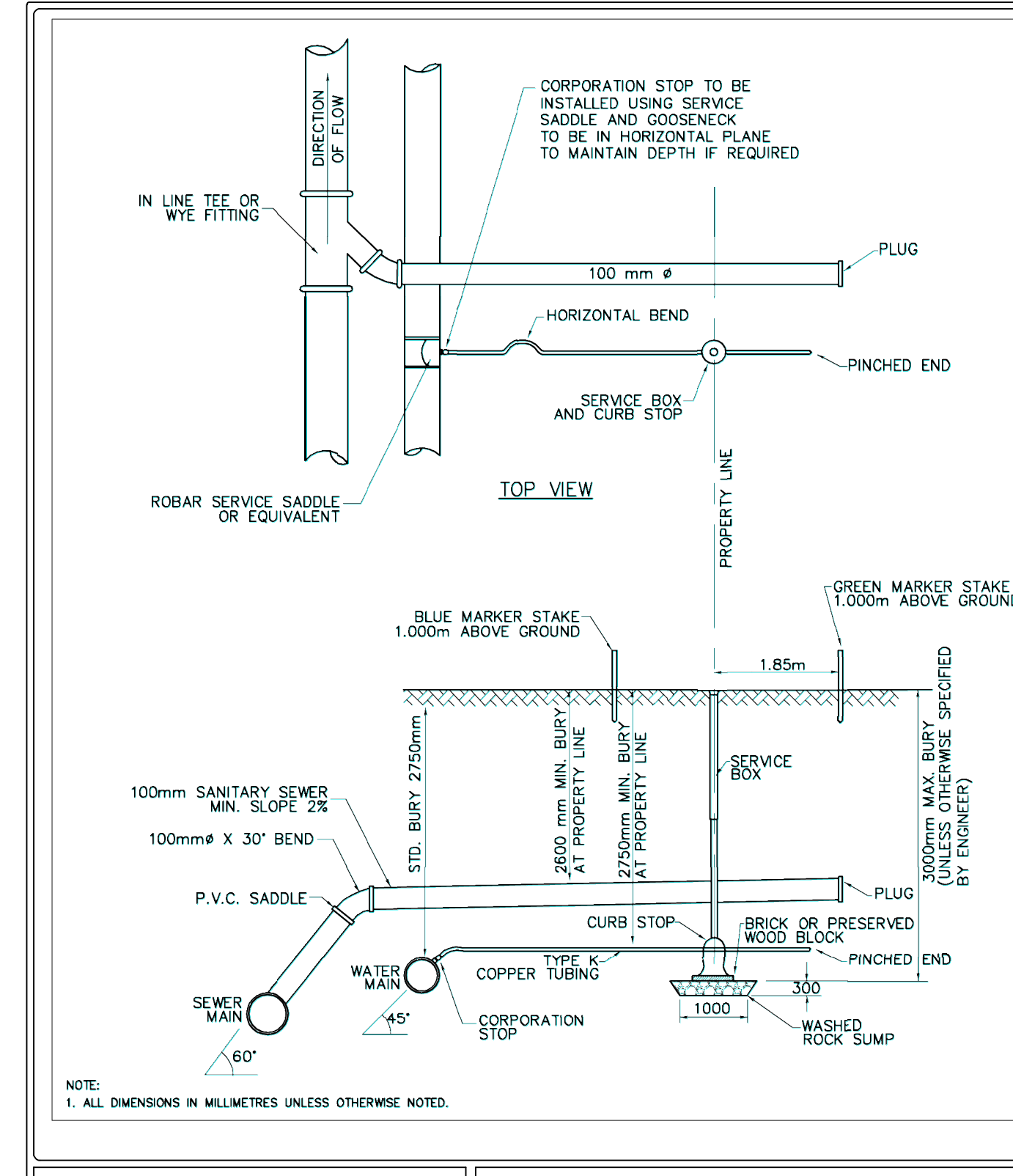
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McINTOSH PERRY

THRUST BLOCK DETAILS

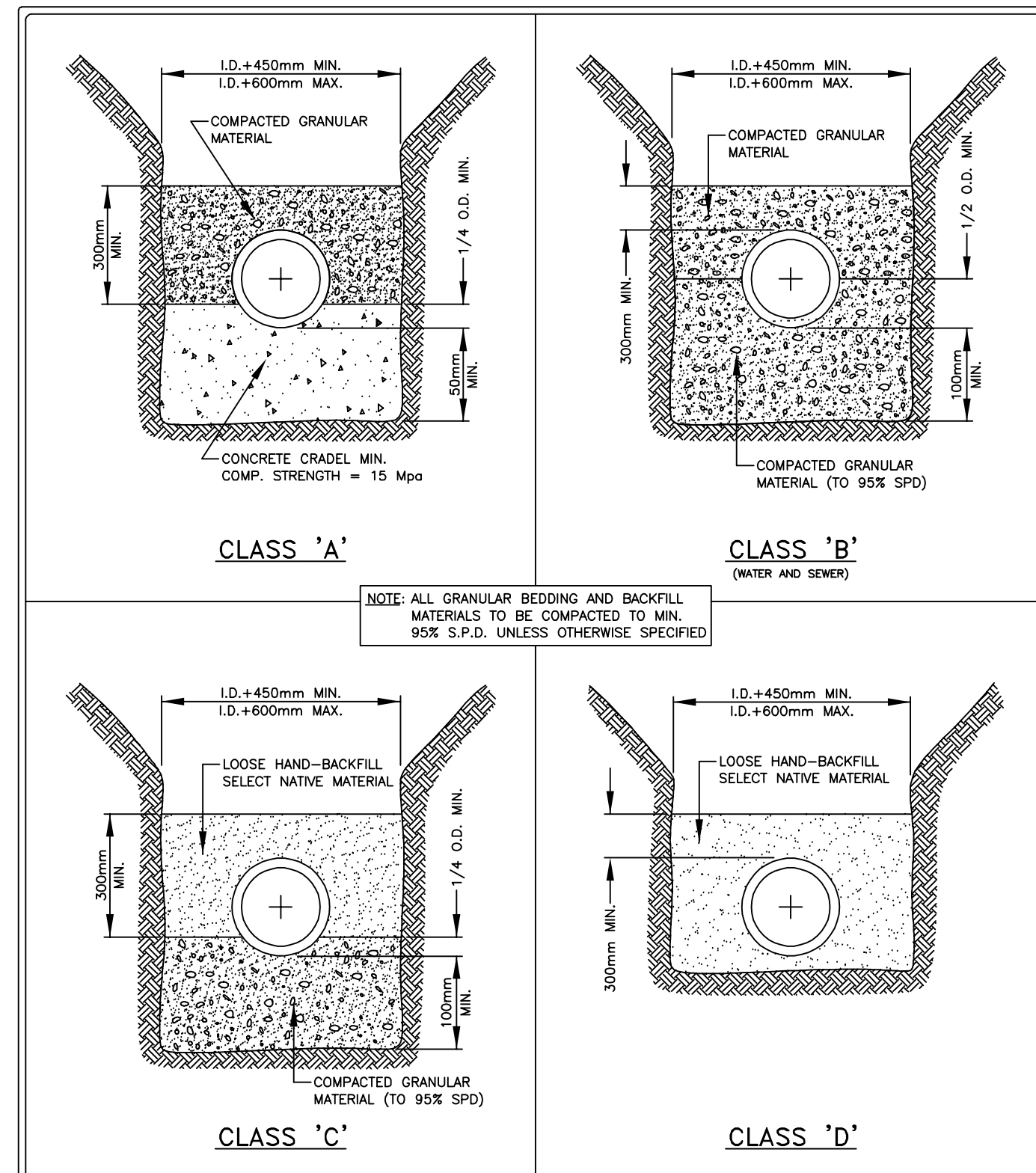
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McINTOSH PERRY

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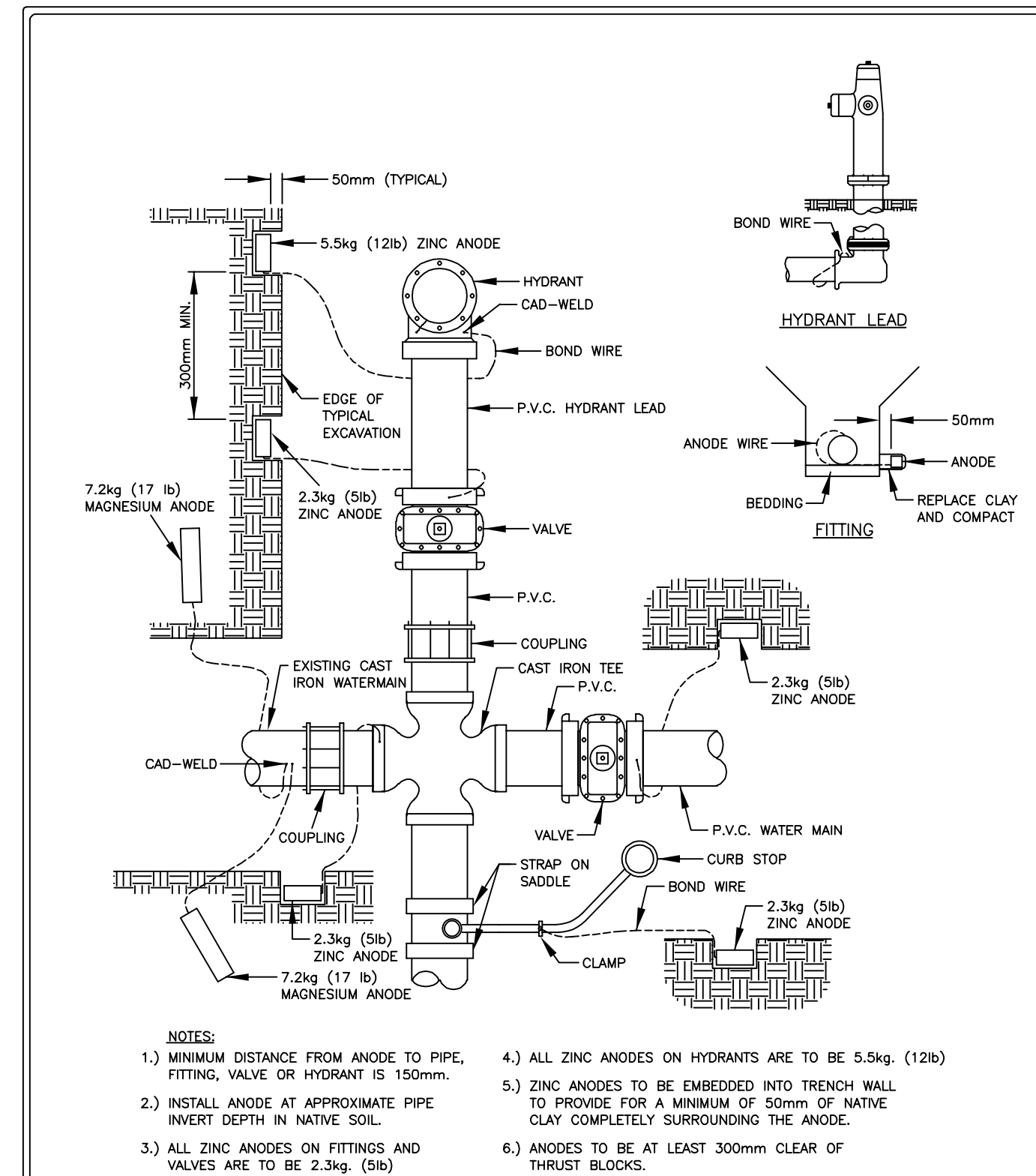
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McINTOSH PERRY

PIPE BEDDING DETAILS

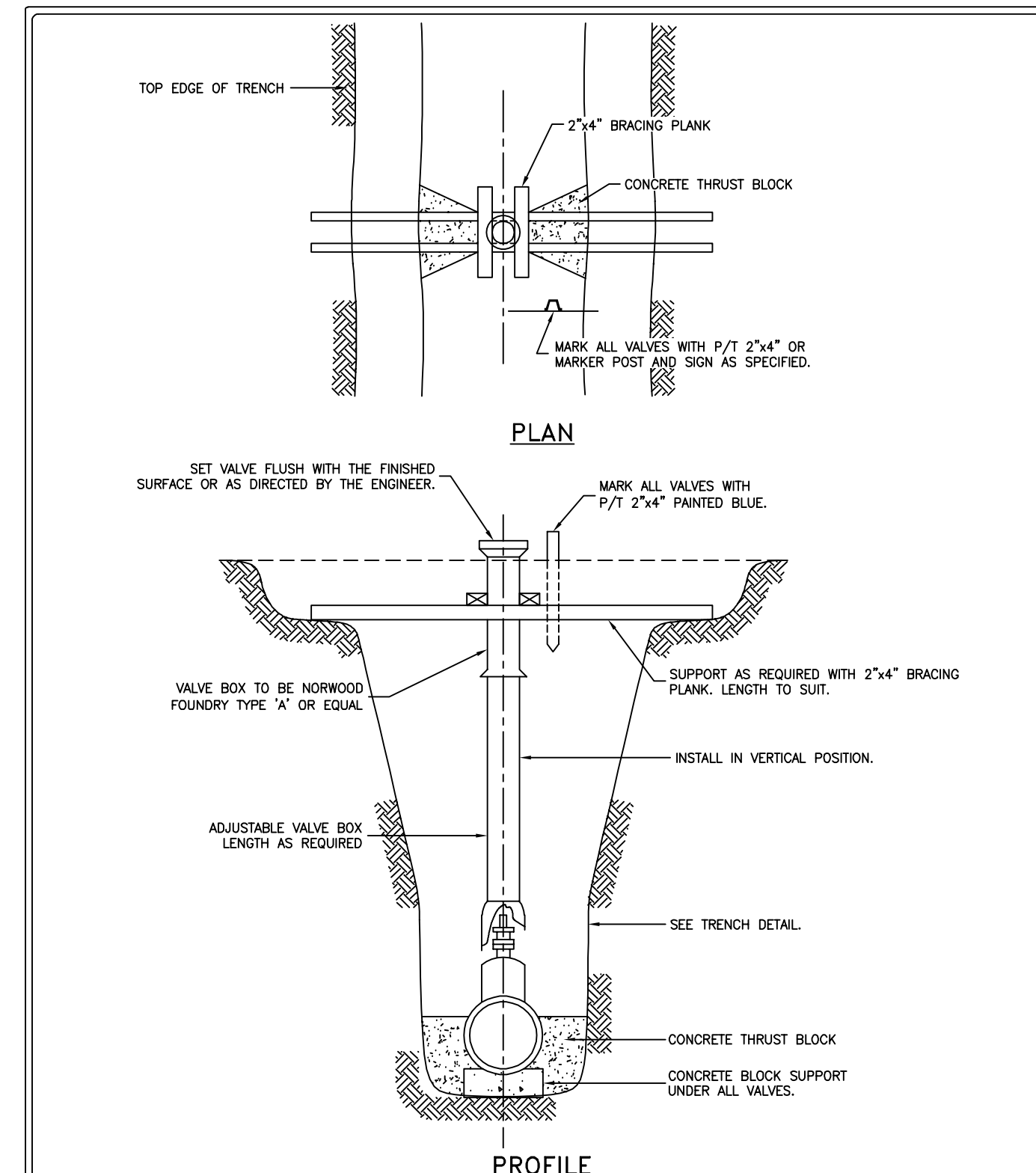
DRAWN BY: M.L.W. DATE: 6/01/23 SCALE: N.T.S. DRAWING NO.: E-04MP



McINTOSH PERRY

TYPICAL ANODE INSTALLATION AT STEEL OR IRON FITTINGS USED WITH STEEL AND PVC WATER MAINS

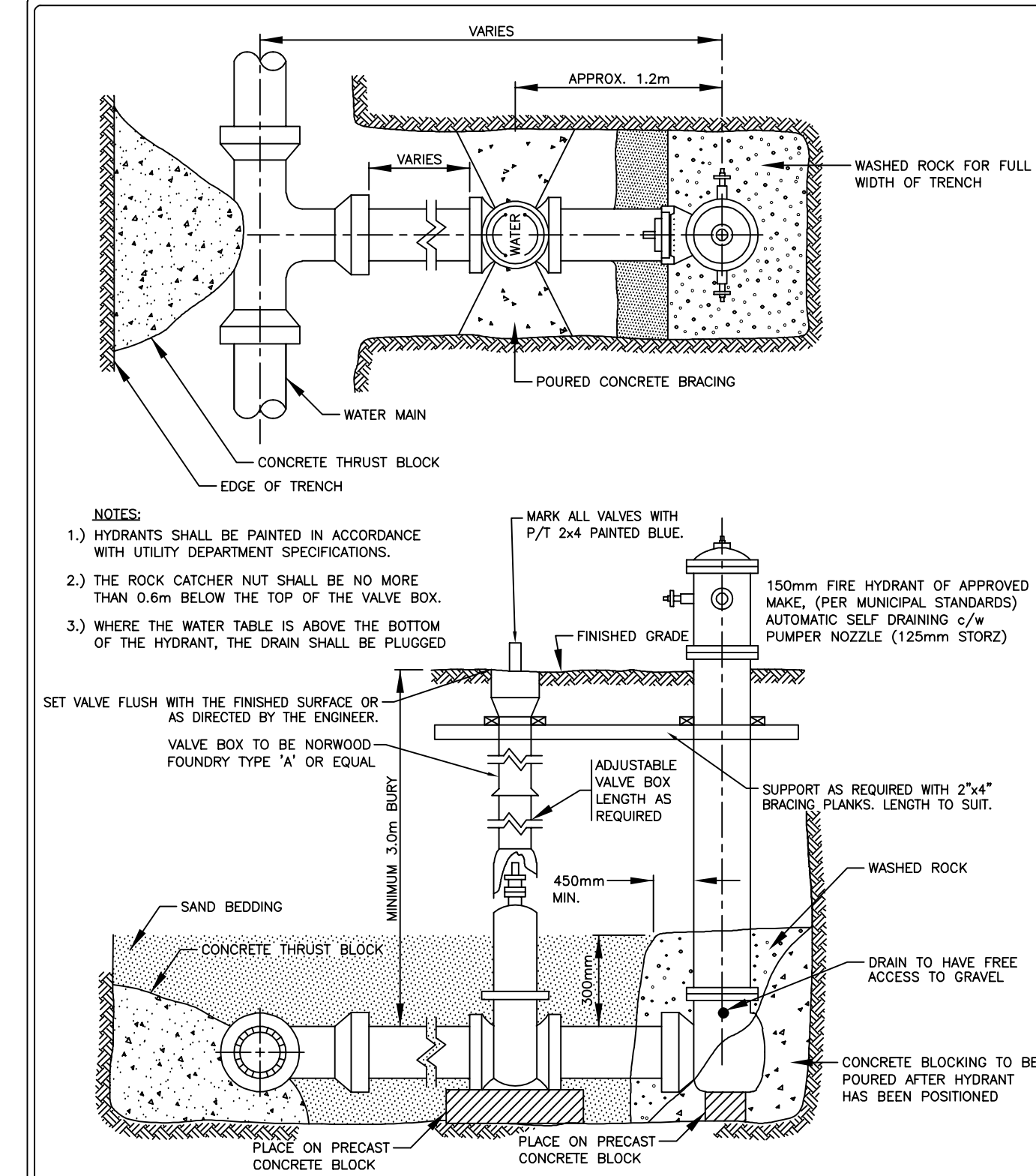
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McINTOSH PERRY

TYPE 'A' - VALVE CASTING DETAIL

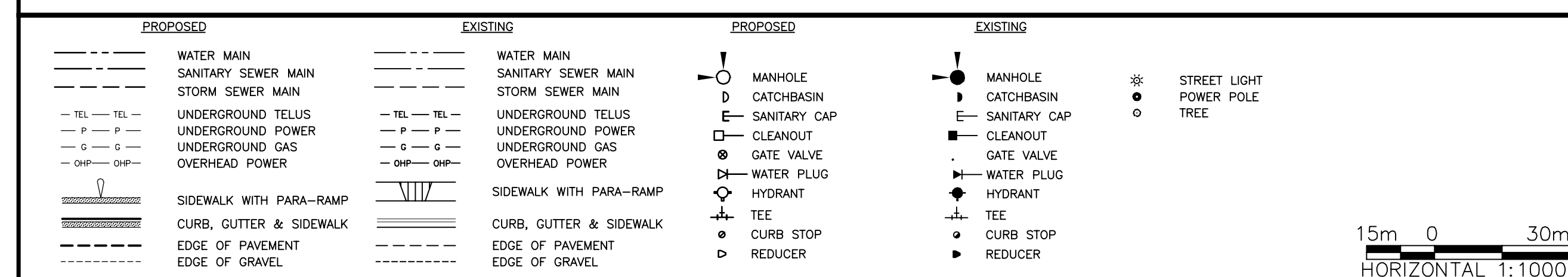
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McINTOSH PERRY

TYPICAL VALVE AND HYDRANT DETAILS

DRAWN BY: M.L.W. DATE: 06/01/2023 SCALE: N.T.S. DRAWING NO.: D-05

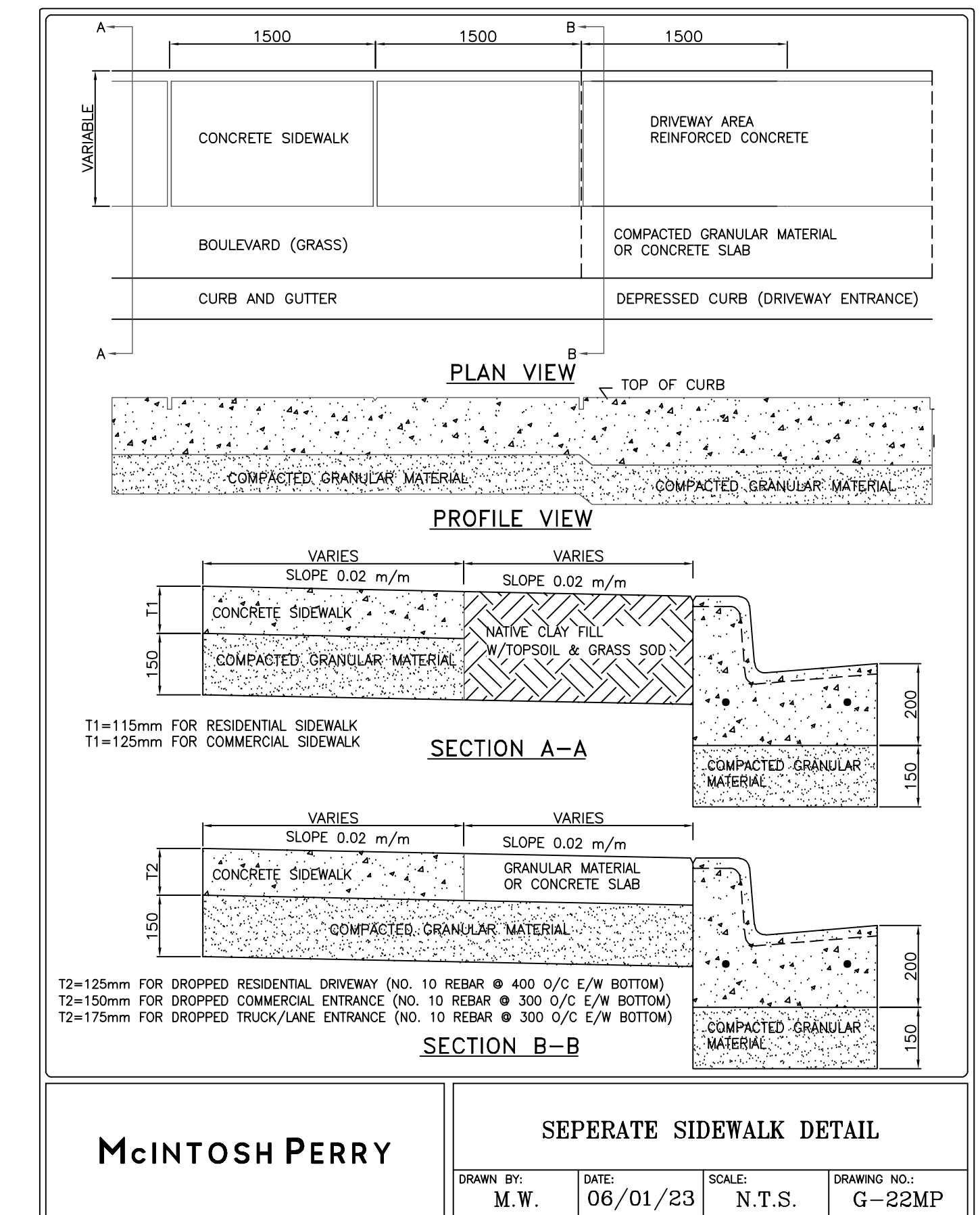
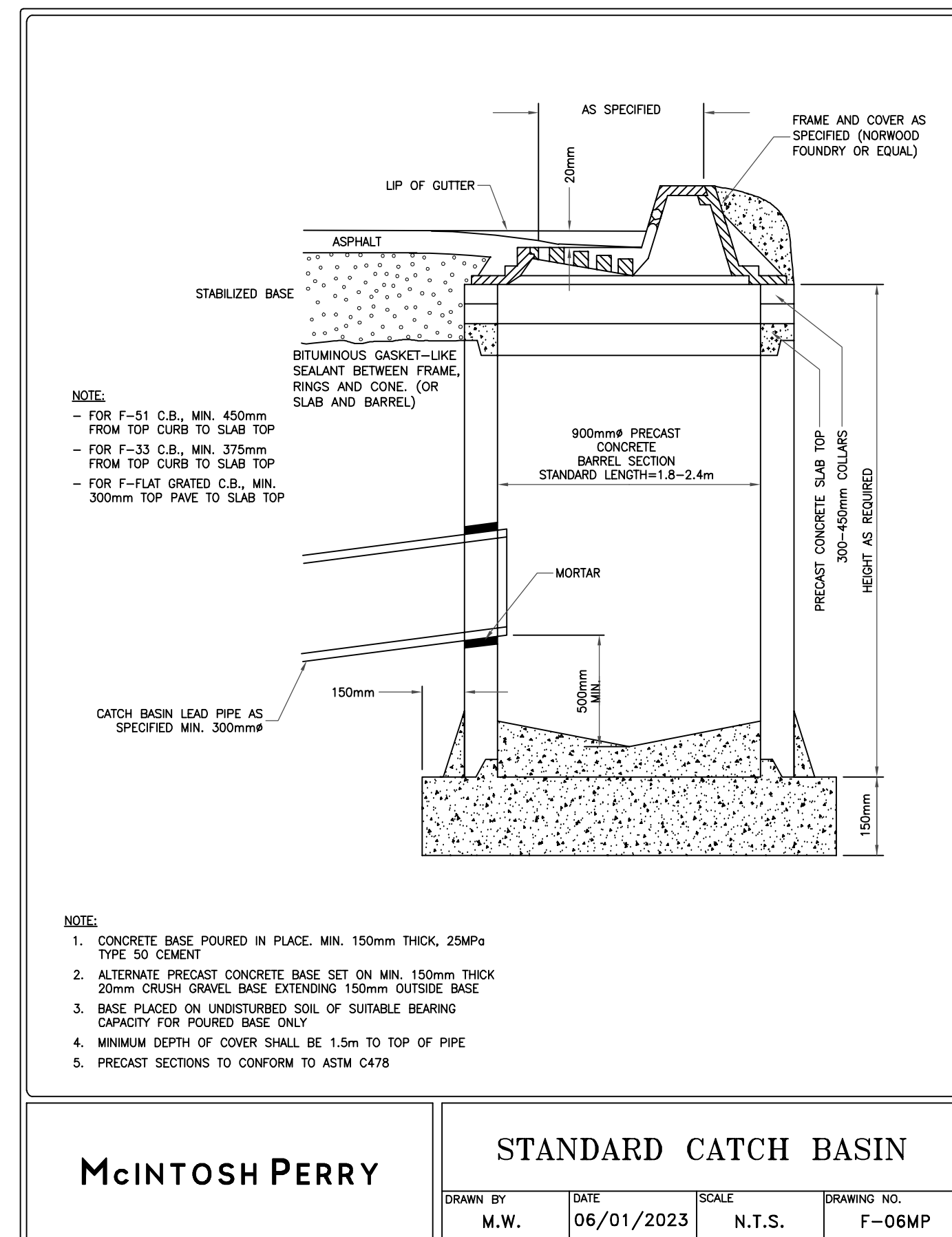
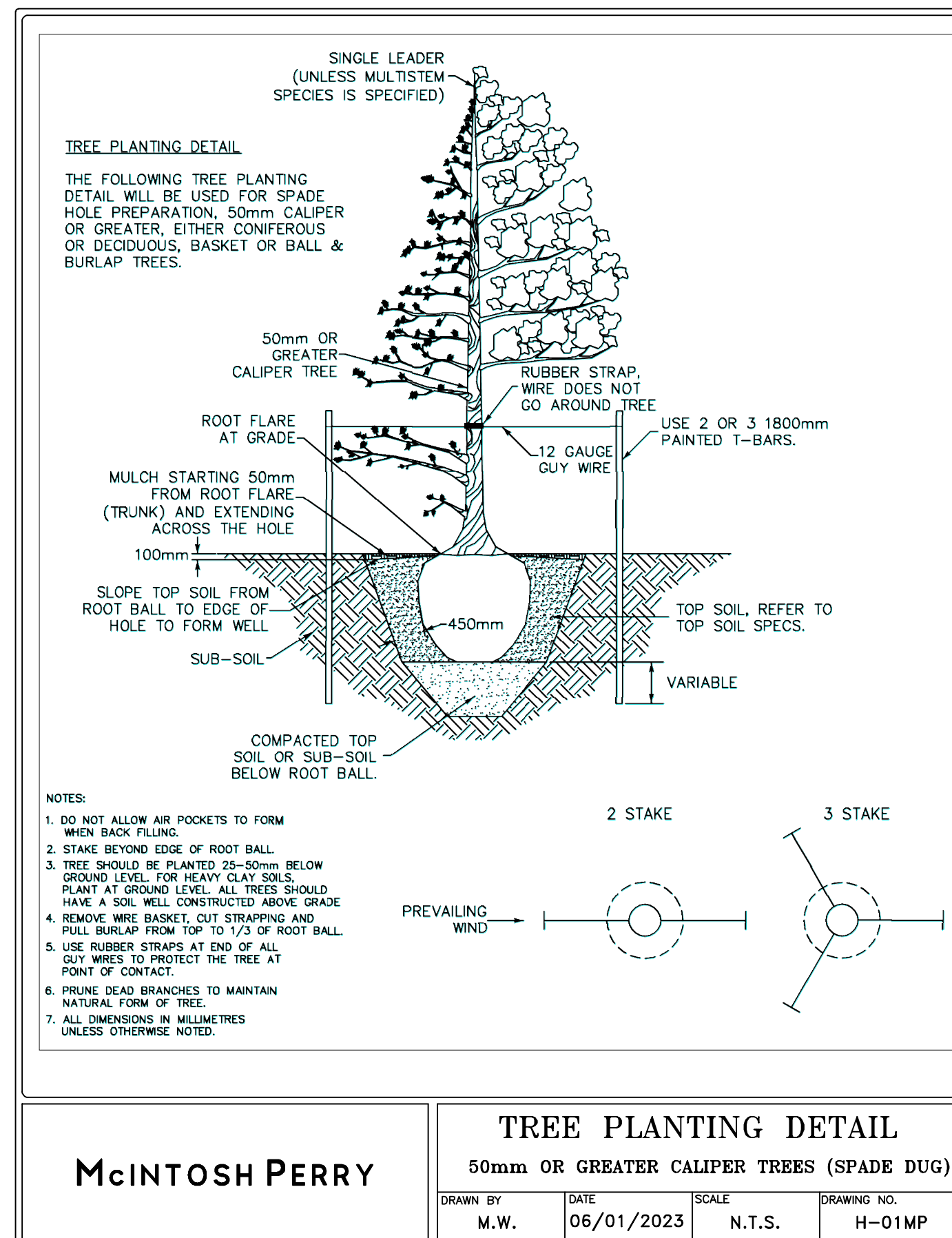
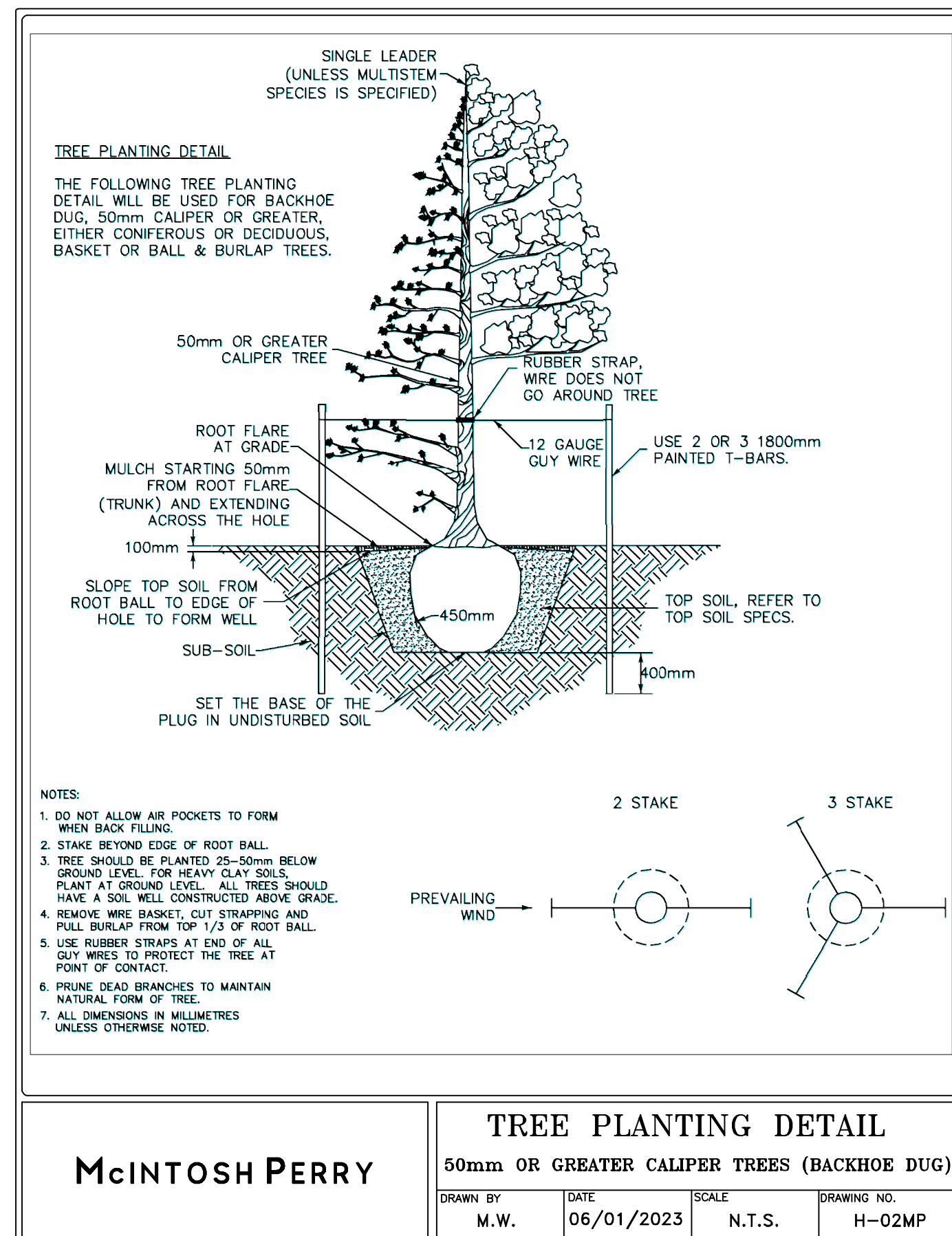
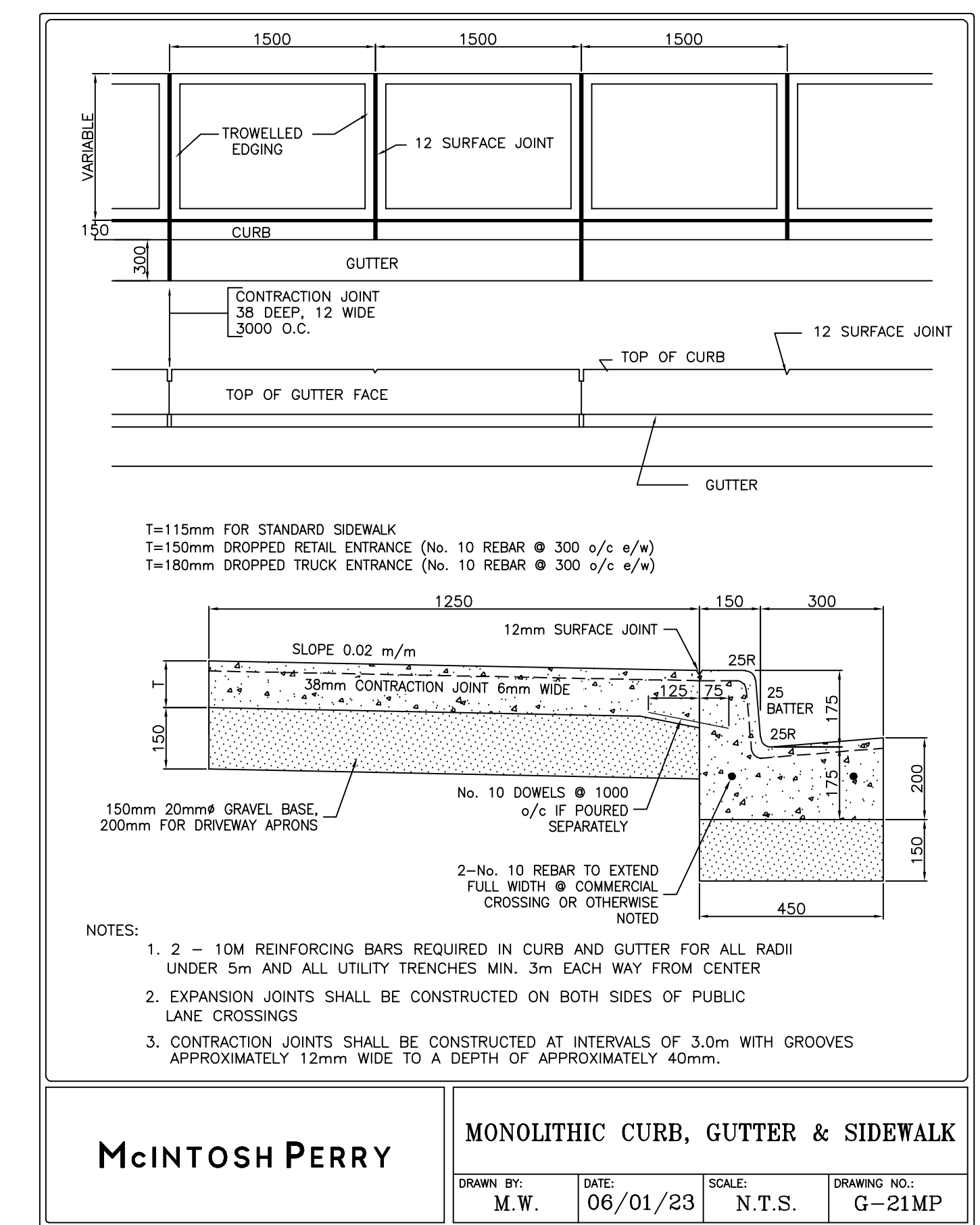
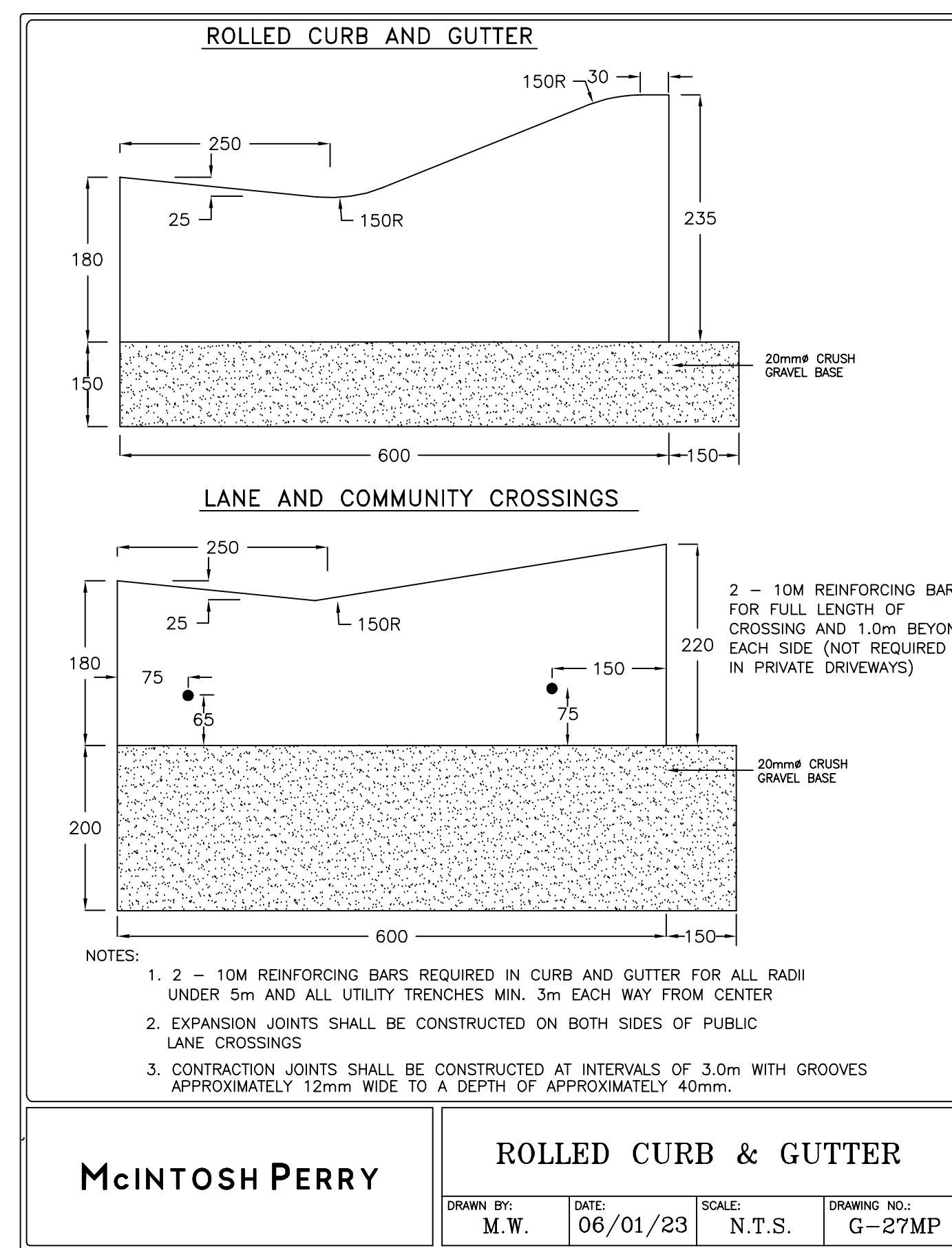
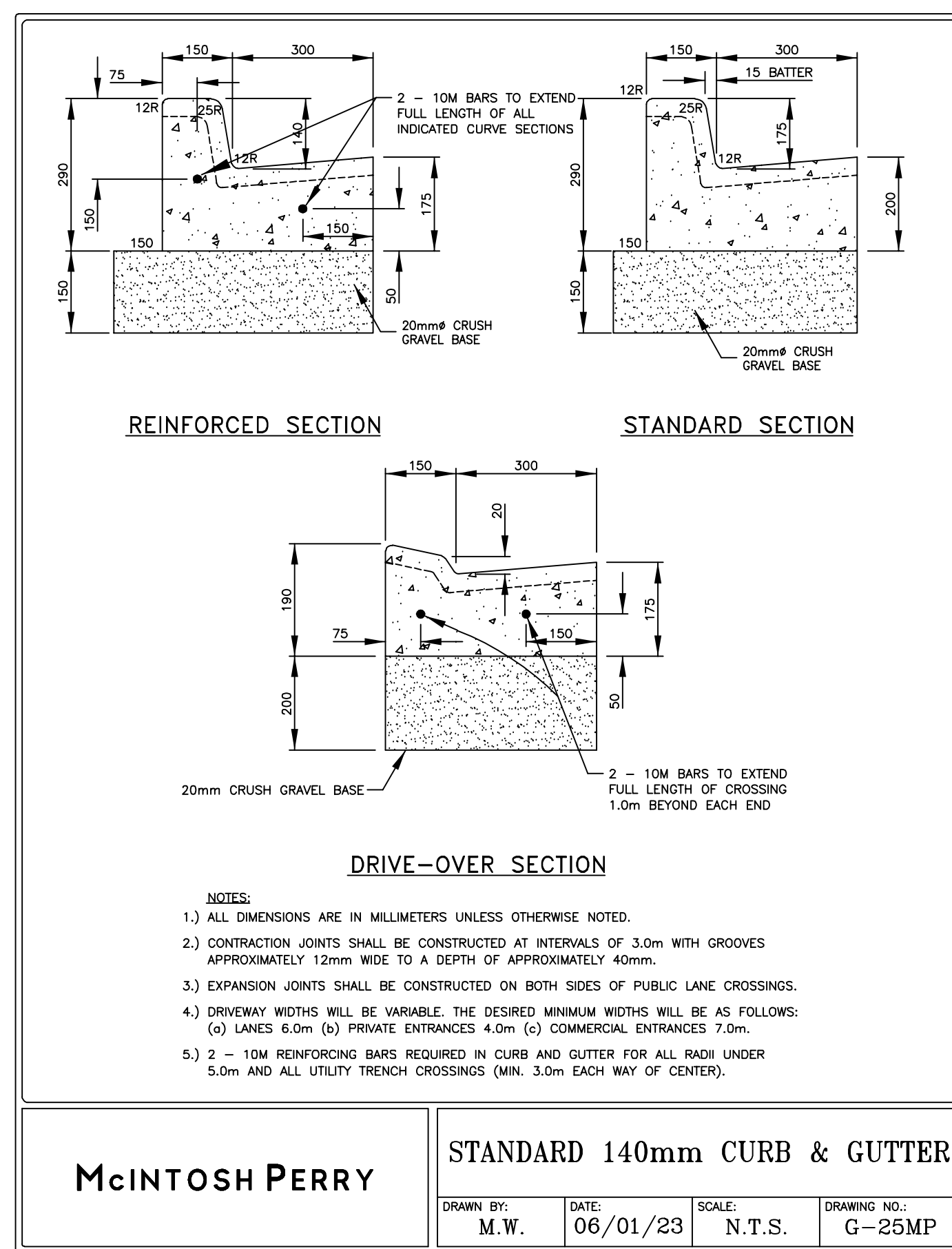
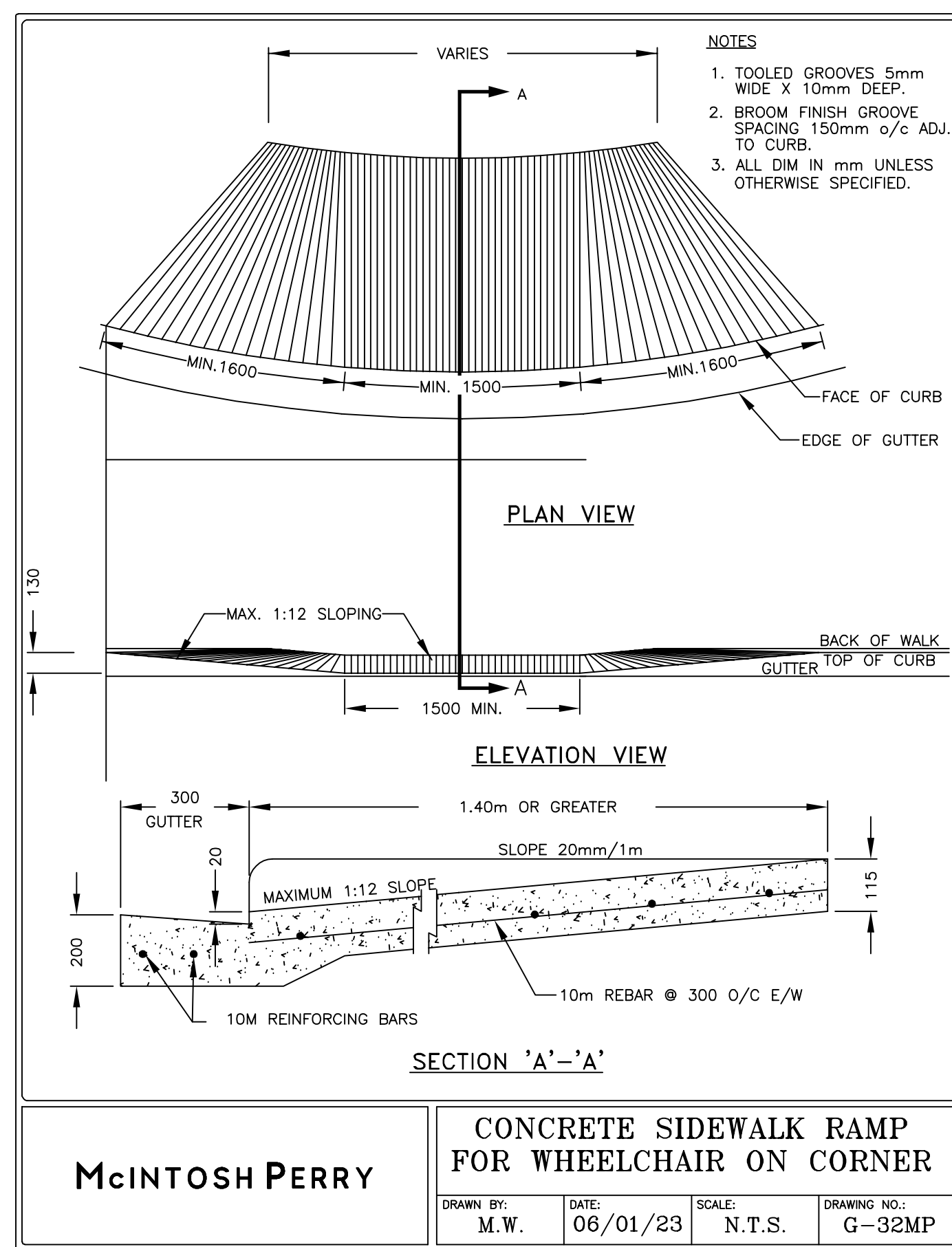


CONSULTANT
McINTOSH PERRY
ISSUED FOR TENDER

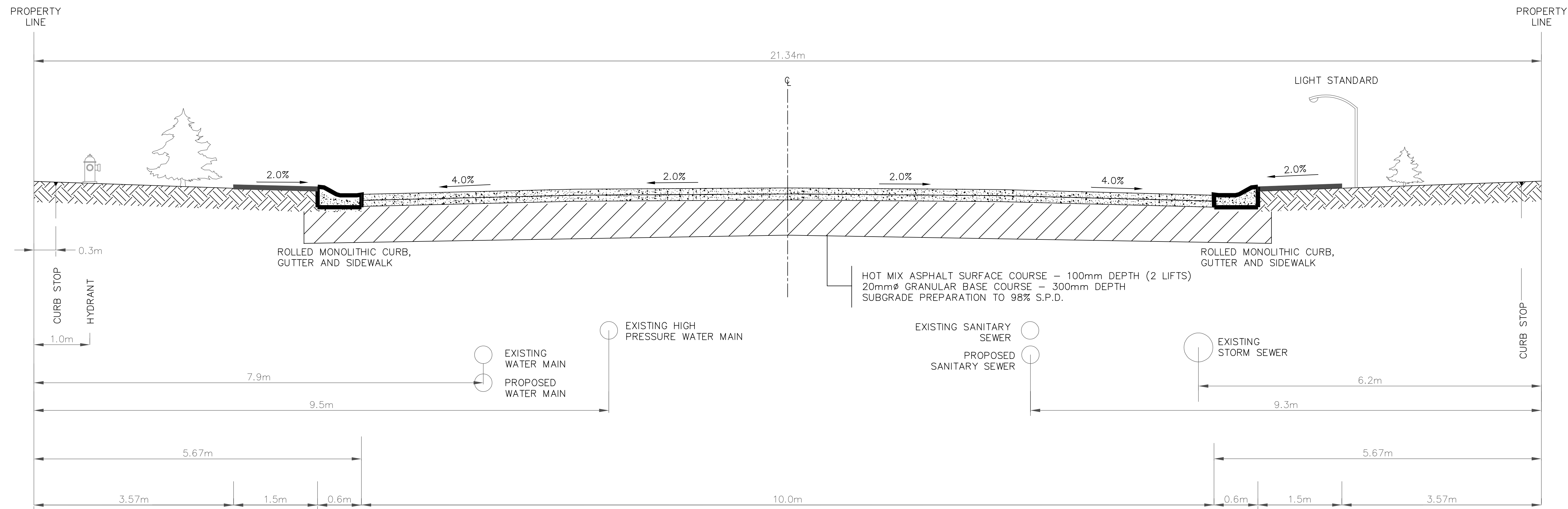
PERMIT TO PRACTICE STAMP
ENGINEER STAMP
REV DATE REVISION BY

TOWN OF PEACE RIVER
NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023
95TH AVENUE; 94TH STREET TO 98TH STREET
BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE
STANDARD DETAILS - DEEP UTILITIES

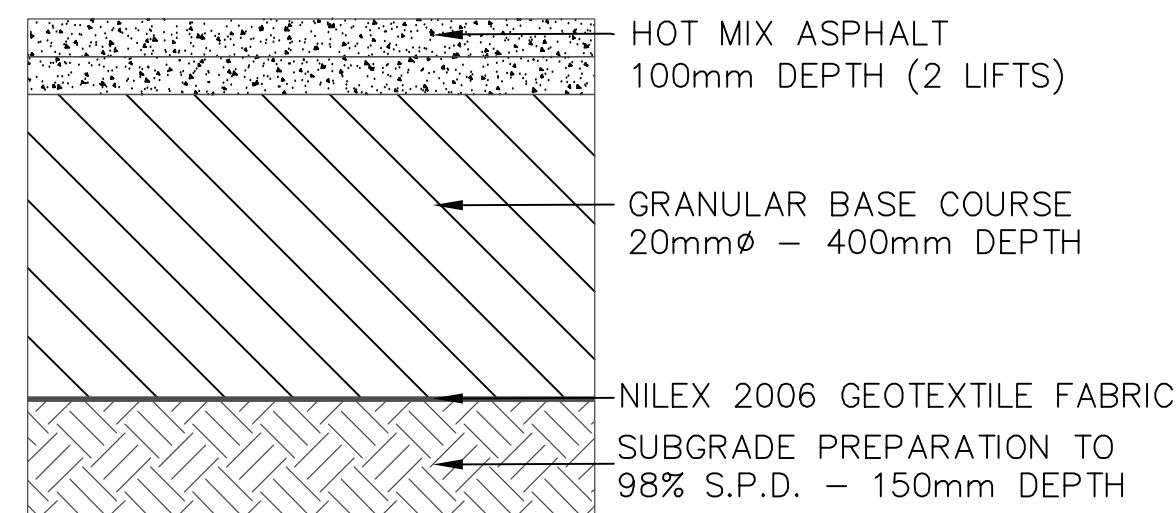
LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVENUE	234423-00	5 OF 7	234423-05



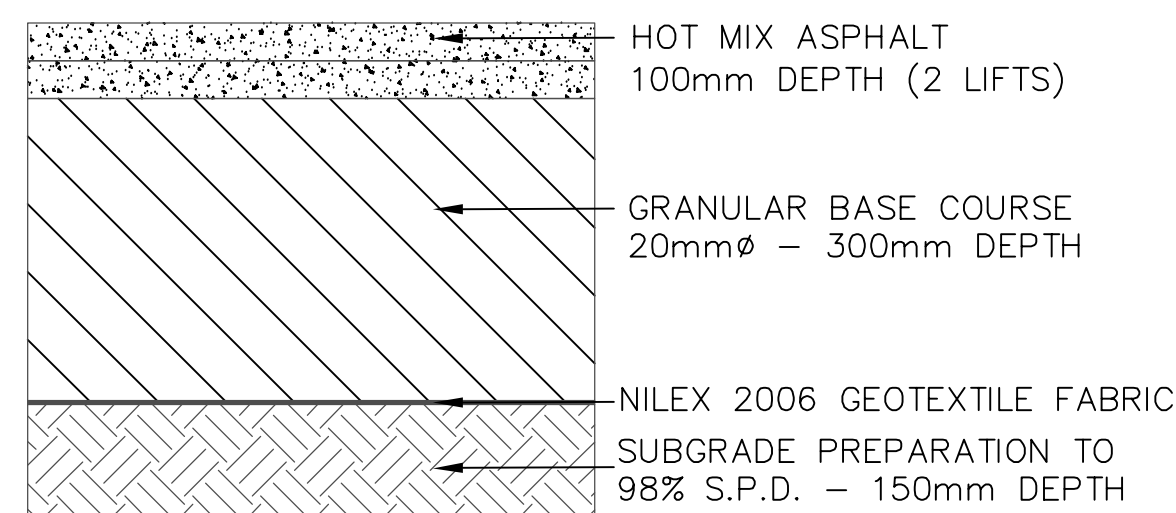
<p>PROPOSED</p> <p>--- WATER MAIN --- SANITARY SEWER MAIN --- STORM SEWER MAIN -TEL- TEL- UNDERGROUND TELUS -P- P- UNDERGROUND POWER -G- G- UNDERGROUND GAS -OHP- OHP- OVERHEAD POWER</p> <p>--- SIDEWALK WITH PARA-RAMP --- CURB, GUTTER & SIDEWALK --- EDGE OF PAVEMENT --- EDGE OF GRAVEL</p>	<p>EXISTING</p> <p>--- WATER MAIN --- SANITARY SEWER MAIN --- STORM SEWER MAIN -TEL- TEL- UNDERGROUND TELUS -P- P- UNDERGROUND POWER -G- G- UNDERGROUND GAS -OHP- OHP- OVERHEAD POWER</p> <p>--- SIDEWALK WITH PARA-RAMP --- CURB, GUTTER & SIDEWALK --- EDGE OF PAVEMENT --- EDGE OF GRAVEL</p>	<p>PROPOSED</p> <p>○ MANHOLE □ CATCHBASIN □ SANITARY CAP □ CLEANOUT □ GATE VALVE □ WATER PLUG ● HYDRANT ● TEE ● CURB STOP ● REDUCER</p>	<p>EXISTING</p> <p>○ MANHOLE □ CATCHBASIN □ SANITARY CAP □ CLEANOUT □ GATE VALVE □ WATER PLUG ● HYDRANT ● TEE ● CURB STOP ● REDUCER</p>	<p>⊛ STREET LIGHT ● POWER POLE ○ TREE</p>	<p>CONSULTANT</p> <p>McINTOSH PERRY</p> <p>ISSUED FOR TENDER</p>	<p>PERMIT TO PRACTICE STAMP</p> <p>ENGINEER STAMP</p>	<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV	DATE	REVISION	BY					<p>TOWN OF PEACE RIVER</p> <p>NEIGHBOURHOOD INFRASTRUCTURE RENEWAL – 2023 95TH AVENUE; 94TH STREET TO 98TH STREET BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE STANDARD DETAILS – ROAD WORK</p> <table border="1"> <tr> <td>LOCATION</td> <td>SITE</td> <td>CONTRACT</td> <td>SHEET</td> <td>DRAWING</td> </tr> <tr> <td>PEACE RIVER</td> <td>95TH AVENUE</td> <td>234423-00</td> <td>6 OF 7</td> <td>234423-06</td> </tr> </table>	LOCATION	SITE	CONTRACT	SHEET	DRAWING	PEACE RIVER	95TH AVENUE	234423-00	6 OF 7	234423-06
REV	DATE	REVISION	BY																							
LOCATION	SITE	CONTRACT	SHEET	DRAWING																						
PEACE RIVER	95TH AVENUE	234423-00	6 OF 7	234423-06																						



TYPICAL LOCAL ROAD SECTION
ROAD WITH CURB & GUTTER
(95TH AVENUE LOOKING WEST)
N.T.S



ROAD REPAIR SECTION
N.T.S

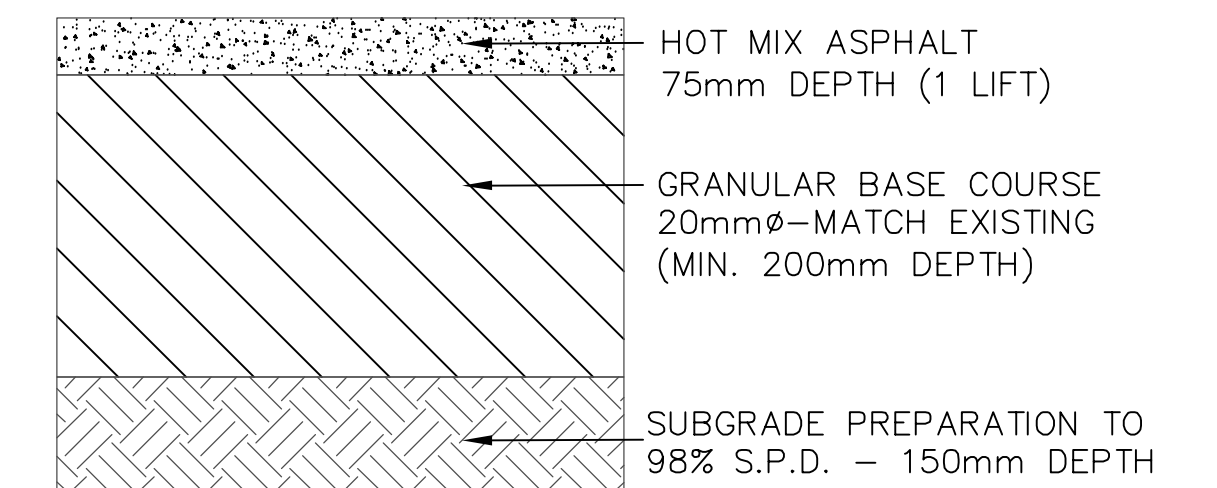


PARKING LOT REPAIR SECTION
N.T.S

McINTOSH PERRY

ROAD REPAIR SECTION

DRAWN BY: M.W. DATE: 06/01/23 SCALE: N.T.S. DRAWING NO.: 234423RR



ASPHALT DRIVEWAY REPAIR SECTION
N.T.S

McINTOSH PERRY

ASPHALT DRIVEWAY REPAIR

DRAWN BY: M.W. DATE: 06/01/23 SCALE: N.T.S. DRAWING NO.: 234423DW

PROPOSED	EXISTING	PROPOSED	EXISTING
WATER MAIN	WATER MAIN	MANHOLE	MANHOLE
SANITARY SEWER MAIN	SANITARY SEWER MAIN	CATCHBASIN	CATCHBASIN
STORM SEWER MAIN	STORM SEWER MAIN	SANITARY CAP	SANITARY CAP
UNDERGROUND TELUS	UNDERGROUND TELUS	CLEANOUT	CLEANOUT
UNDERGROUND POWER	UNDERGROUND POWER	GATE VALVE	GATE VALVE
UNDERGROUND GAS	UNDERGROUND GAS	WATER PLUG	WATER PLUG
OVERHEAD POWER	OVERHEAD POWER	HYDRANT	HYDRANT
SIDEWALK WITH PARA-RAMP	SIDEWALK WITH PARA-RAMP	TEE	TEE
CURB, GUTTER & SIDEWALK	CURB, GUTTER & SIDEWALK	CURB STOP	CURB STOP
EDGE OF PAVEMENT	EDGE OF PAVEMENT	REDUCER	REDUCER
EDGE OF GRAVEL	EDGE OF GRAVEL	STREET LIGHT	STREET LIGHT
		POWER POLE	POWER POLE
		TREE	TREE

15m 0 30m
HORIZONTAL 1:1000

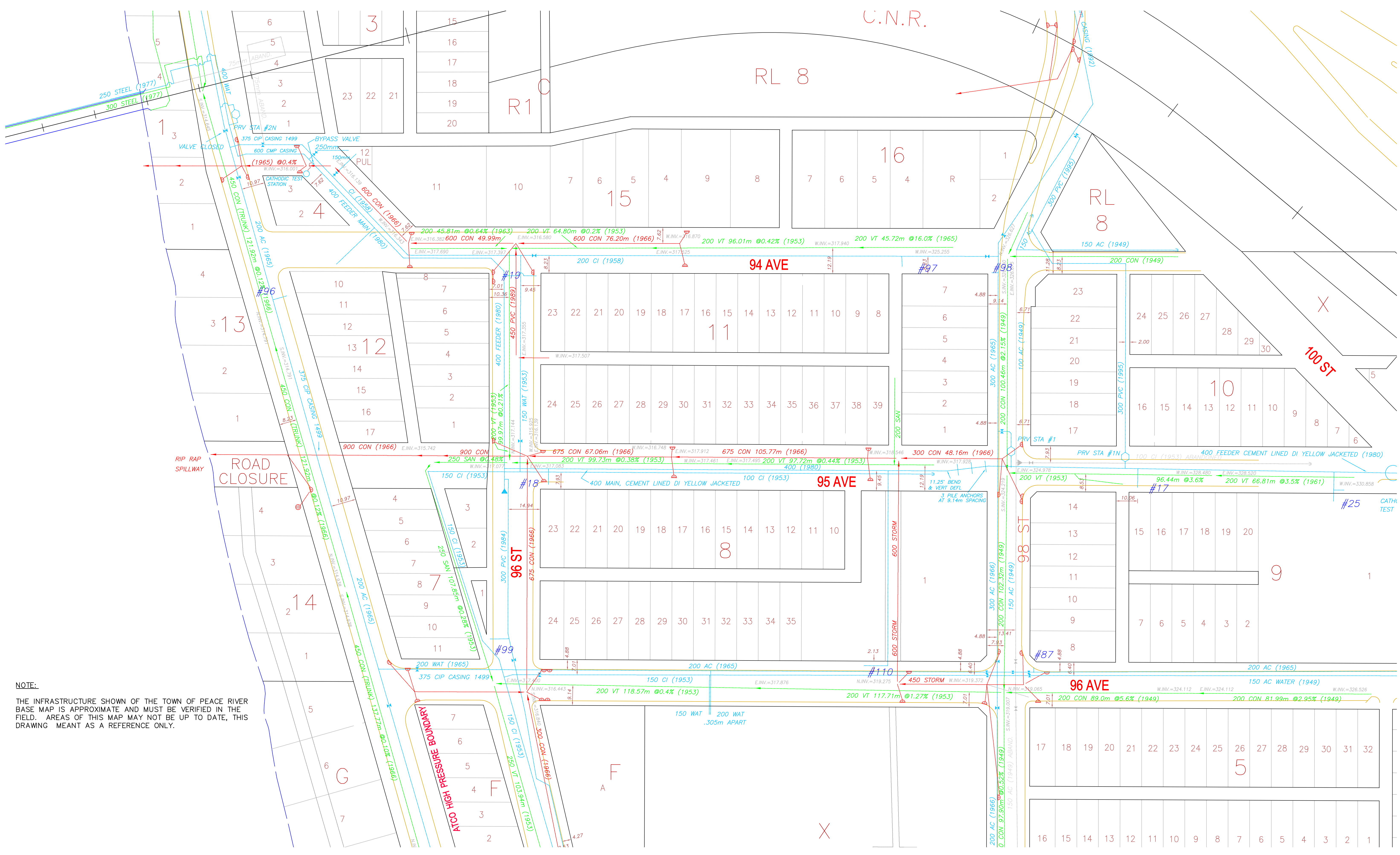
CONSULTANT
McINTOSH PERRY
ISSUED FOR TENDER

PERMIT TO PRACTICE STAMP

ENGINEER STAMP

REV	DATE	REVISION	BY

TOWN OF PEACE RIVER				
NEIGHBOURHOOD INFRASTRUCTURE RENEWAL - 2023				
95TH AVENUE; 94TH STREET TO 98TH STREET				
BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE				
CROSS SECTION - DETAILS				
LOCATION	SITE	CONTRACT	SHEET	DRAWING
PEACE RIVER	95TH AVENUE	234423-00	7 OF 7	234423-07



NOTE:

THE INFRASTRUCTURE SHOWN OF THE TOWN OF PEACE RIVER BASE MAP IS APPROXIMATE AND MUST BE VERIFIED IN THE FIELD. AREAS OF THIS MAP MAY NOT BE UP TO DATE, THIS DRAWING MEANT AS A REFERENCE ONLY.

CONSULTANT
McINTOSH PERRY
 INFORMATION
 DOCUMENT

15m 0 30m
 HORIZONTAL 1:750

REV	DATE	REVISION	BY

TOWN OF PEACE RIVER
 NEIGHBOURHOOD INFRASTRUCTURE RENEWAL – 2023
 95TH AVENUE; 94TH STREET TO 98TH STREET
 BLOCK 11 LANE; 94TH AVENUE TO 95TH AVENUE
 EXISTING INFRASTRUCTURE

LOCATION PEACE RIVER	SITE 95TH AVENUE	CONTRACT 234423-00	SHEET E1	DRAWING 234423-E1
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DRAWING REFERENCE

2	810609	J.K.	H.K.	AS-BUILT
1	800709	A.V.	H.K.	ISSUED FOR CONSTRUCTION
0	800609	H.S.M.	H.K.	TENDER ISSUE
NO	DATE	BY	ENG.	SUBJECT

REVISIONS

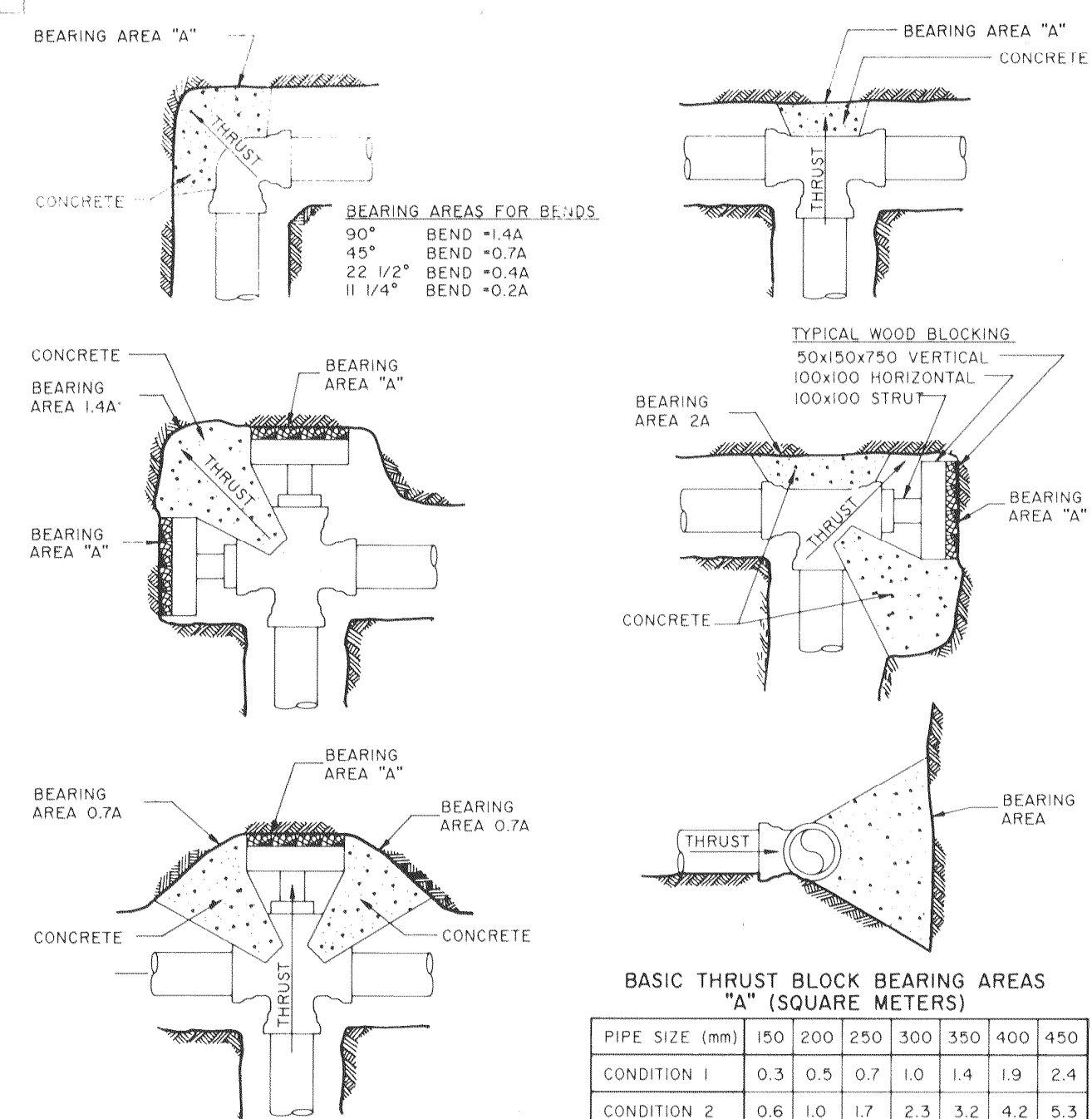
JOB NUMBER	E20G	DATE	
SCALE	AS SHOWN	DATE	
DRAWN	H.S. MILO		
DESIGNED			
CHECKED	<i>[Signature]</i>	80-06-10	
APPROVED	<i>[Signature]</i>	June 9, 1980	
DATE	MAY, 1980		

TOWN OF PEACE RIVER

PEACE RIVER, ALBERTA
WATER FEEDER MAIN

STANDARD DETAILS

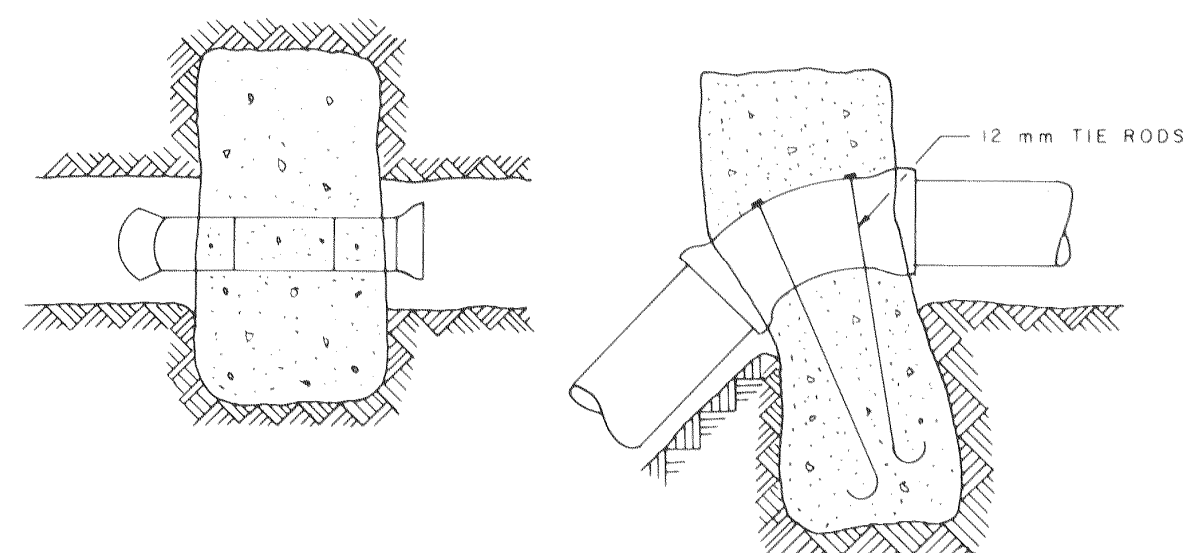
DRAWING NUMBER	REV.	SHEET
E20G-20-114	2	14/16



NOTE: CONCRETE STRENGTH 20 MPa, TYPE 50 CEMENT FOR SOIL BEARING PRESSURE OF 50 KPa. MULTIPLY "A" BY 1.5 FOR SOIL BEARING PRESSURE OF 70 KPa. MULTIPLY "A" BY 1.0 FOR SOIL BEARING PRESSURE OF 95 KPa. MULTIPLY "A" BY 0.75

NOTE: CONDITION 1: ALLOWANCE FOR 0.7 MPa OPERATING NO SURGE ALLOWANCE. CONDITION 2: ALLOWANCE FOR 0.7 MPa OPERATING 0.87 MPa SURGE. CONDITION 3: ALLOWANCE FOR 0.7 MPa OPERATING 1.7 MPa SURGE. NOTE: CONDITION 3 APPLIES UNDER THIS CONTRACT.

THRUST BLOCK DETAIL
SCALE: N.T.S.

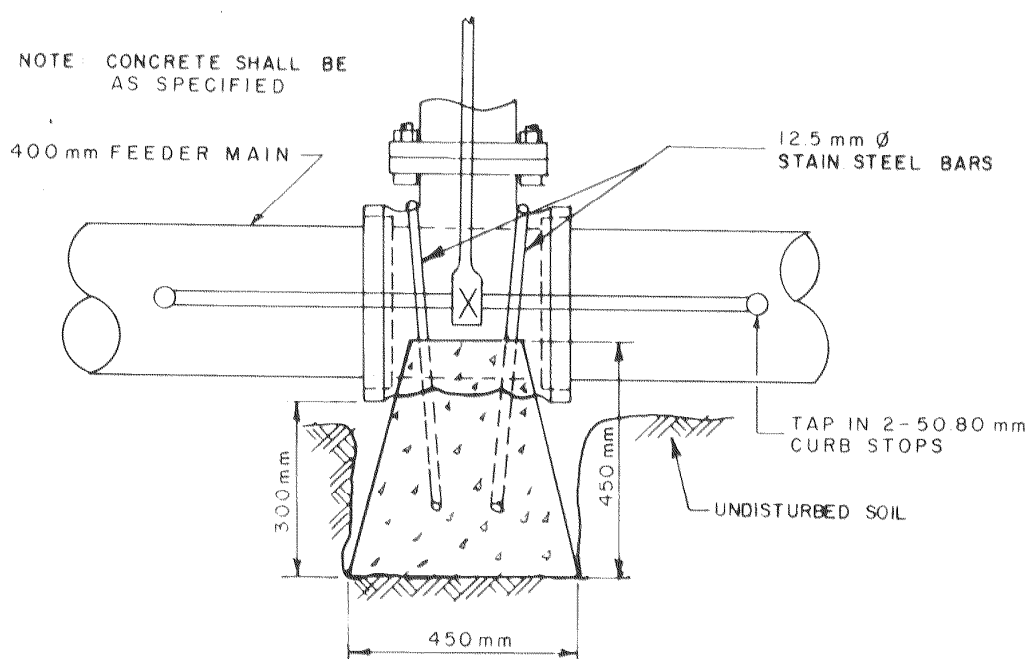
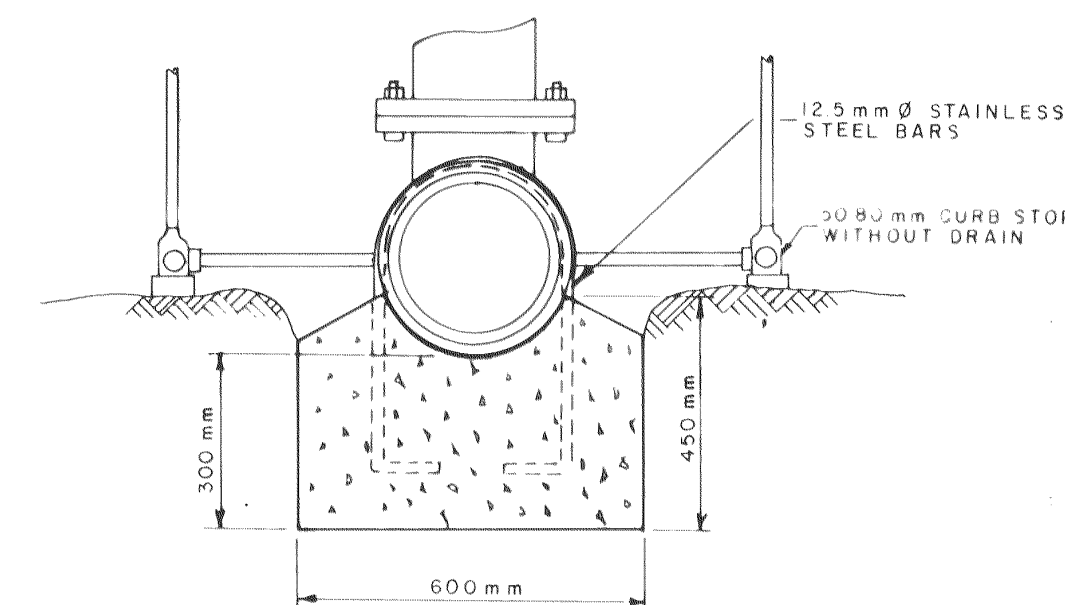


DEAD WEIGHT REQUIREMENT FOR VERTICAL BENDS ON 400mm Ø FEEDER MAIN

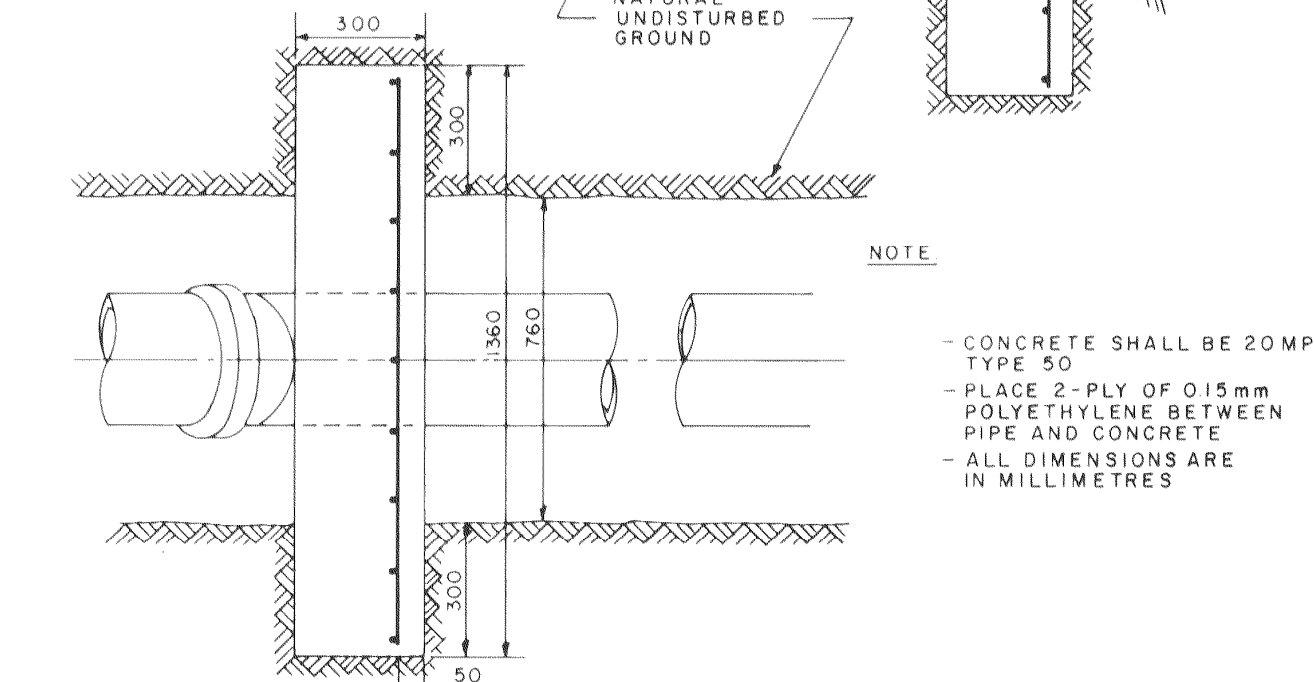
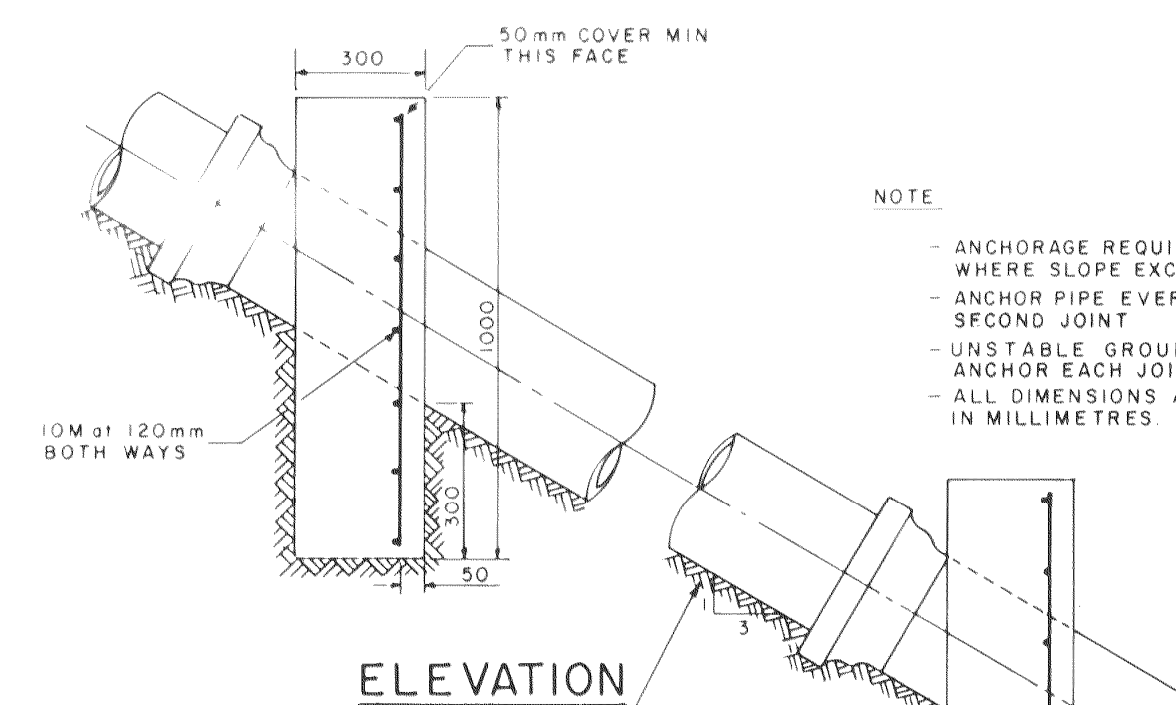
SIZE OF BEND	CUBIC METRES OF CONCRETE
90°	11.0
45°	6.0
22 1/2°	3.0
11 1/4°	1.5

NOTE: CONCRETE SHALL BE 20MPa TYPE 50 SULFATE RESISTANT CEMENT

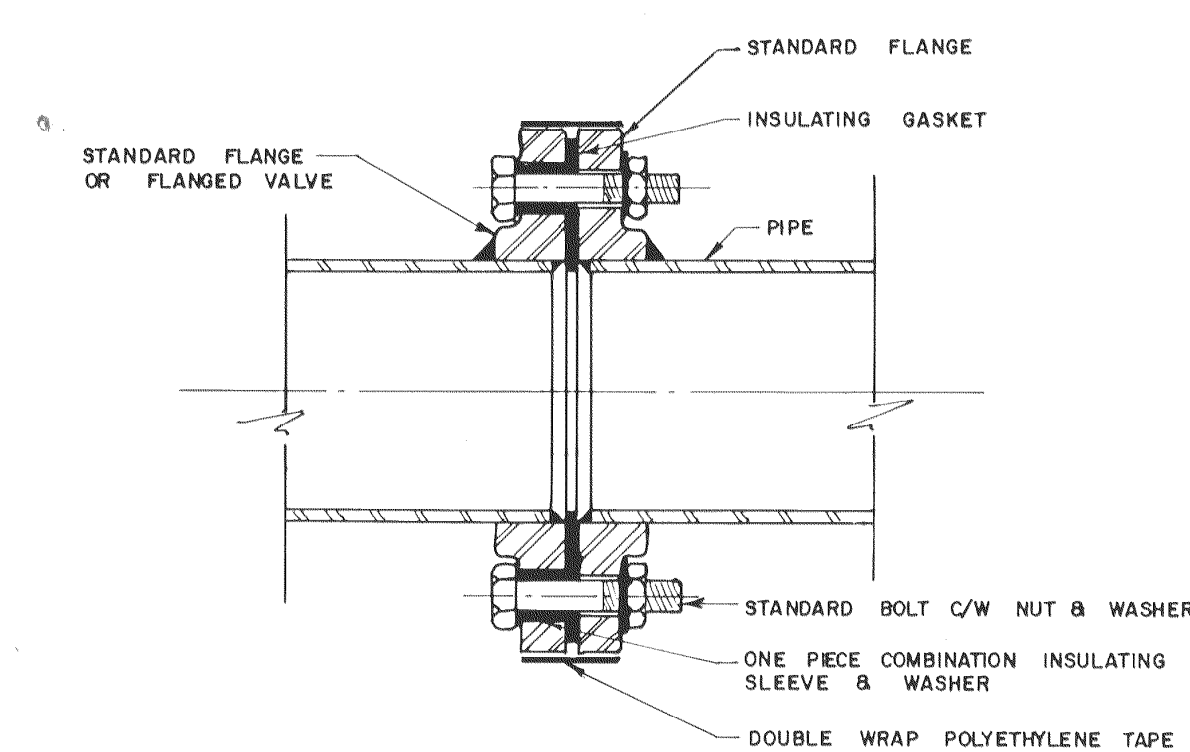
VERTICAL BEND THRUST BLOCK
SCALE: N.T.S.



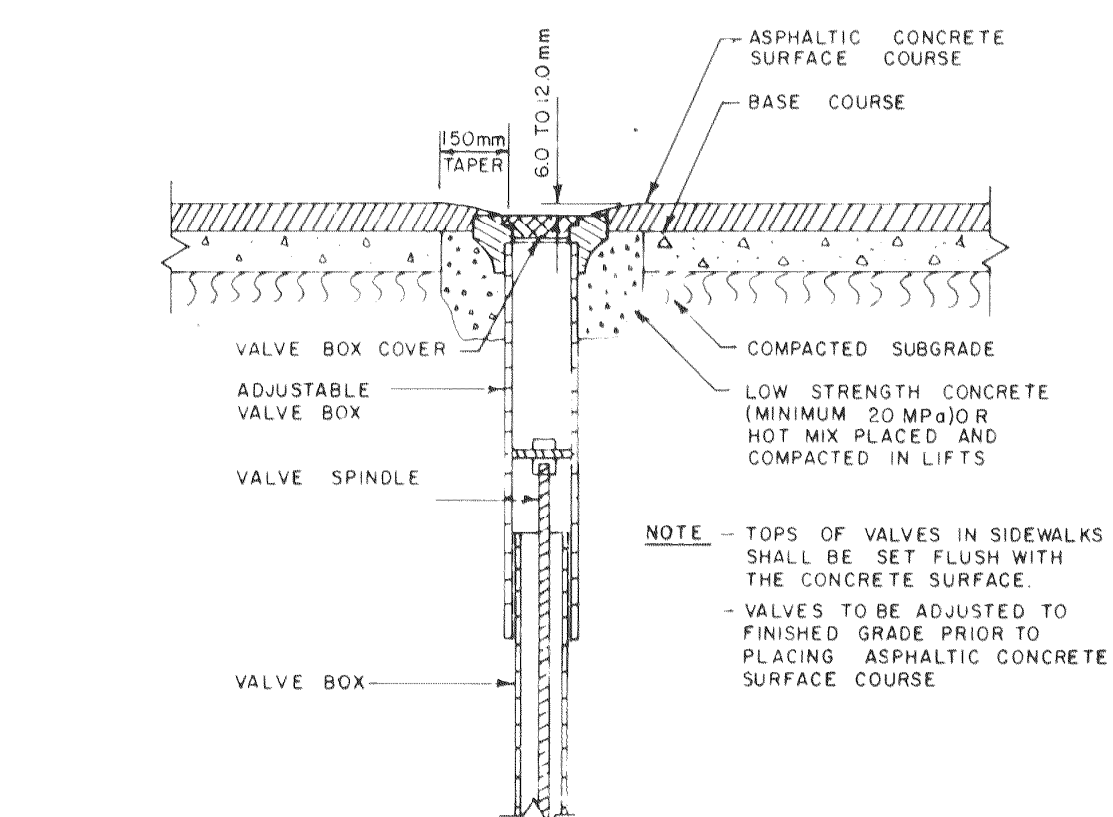
400 mm GATE VALVE ANCHORING DETAILS
SCALE: N.T.S.



ANCHORING OF 400mm Ø WATERMAIN ON A STEEP GRADE
SCALE: N.T.S.

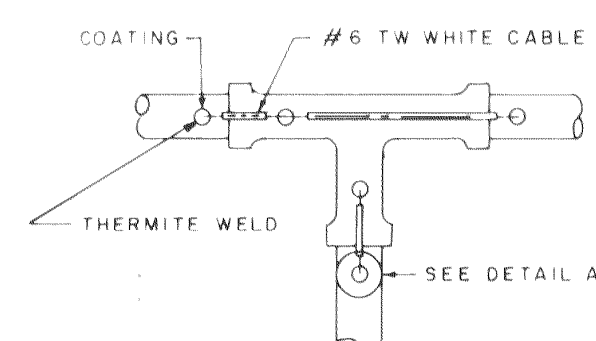


INSULATING FLANGE DETAIL
SCALE: N.T.S.

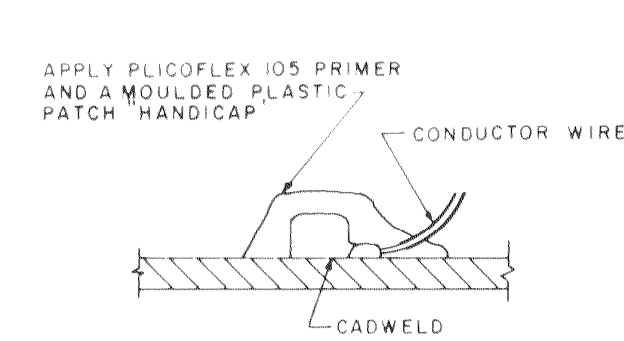


DETAIL OF VALVE ADJUSTED TO GRADE AND TYPICAL FINISHED PAVEMENT SURFACE ELEVATION AROUND VALVE

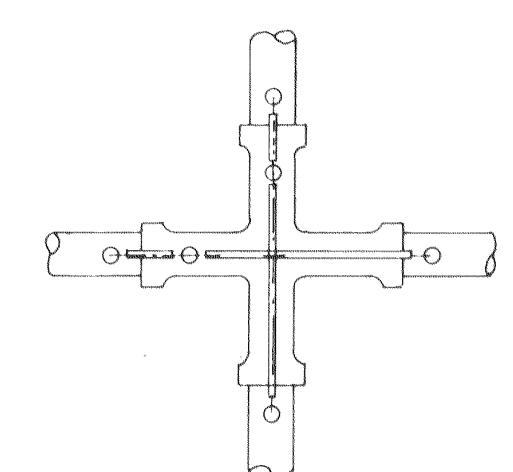
VALVE DETAIL
SCALE: N.T.S.



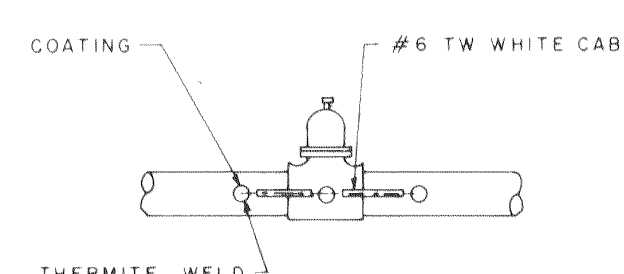
CONTINUITY BONDING OF A TEE



CONTINUITY BONDING OF A VALVE



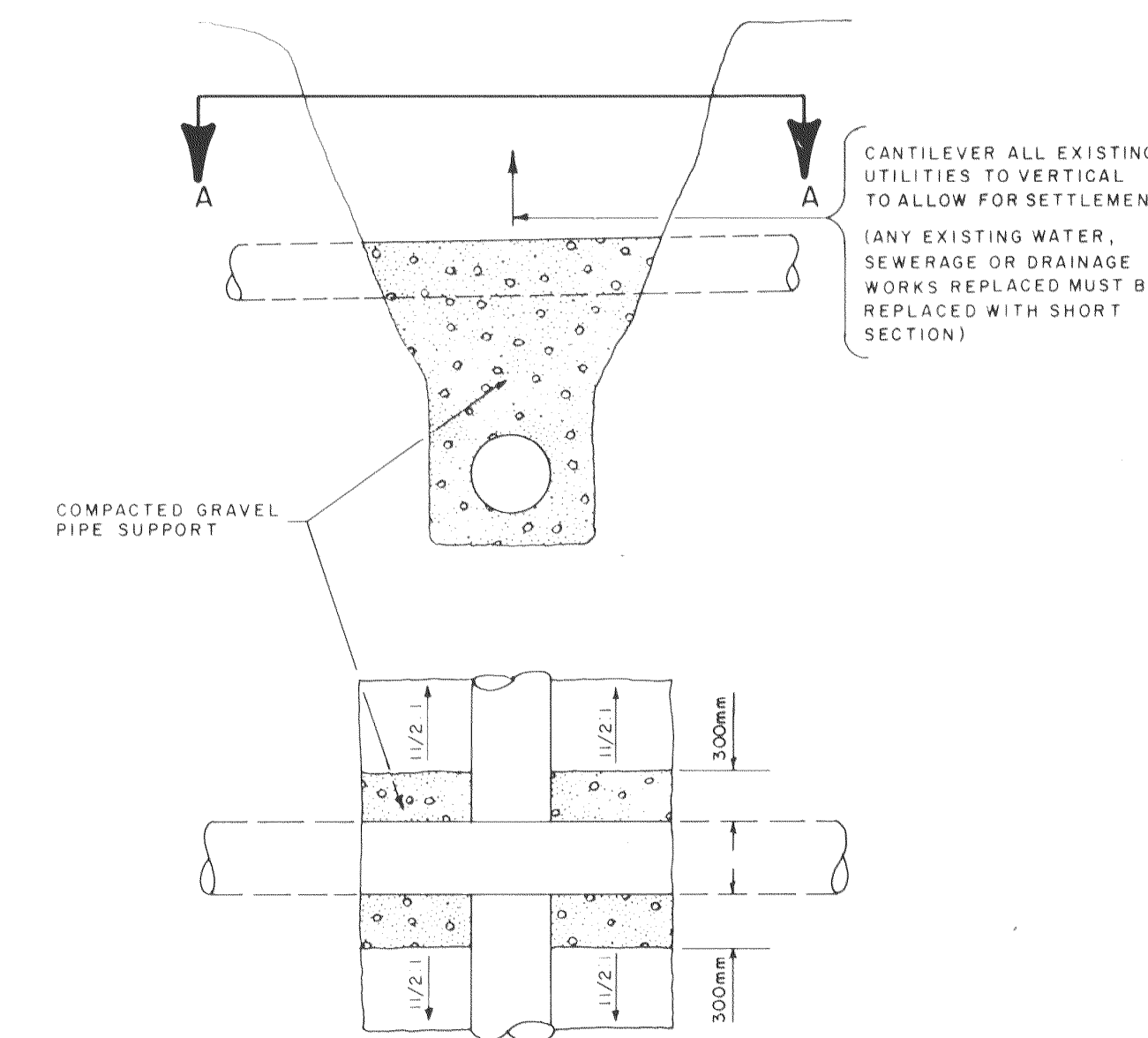
CONTINUITY BONDING OF A CROSS



CONTINUITY BONDING OF A SHORT PIPE SECTION

CONTINUITY BONDING OF A COUPLING OR FLANGE

ELECTRICAL CONDUCTIVITY STRIPS FOR FITTINGS, VALVES AND HYDRANTS
SCALE: N.T.S.



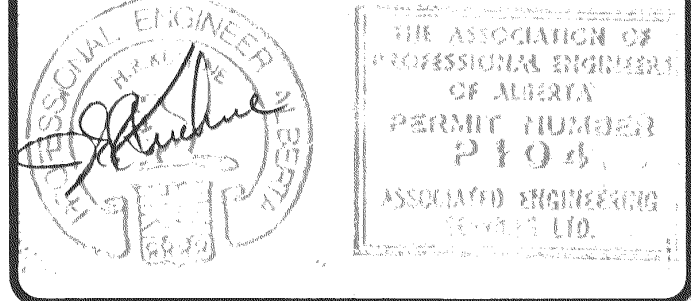
METHOD OF PIPE SUPPORT
SCALE: N.T.S.

AS-BUILT
Approved By: *[Signature]* Date: July 14, 1981

NO	DATE	BY	ENG	SUBJECT
2	01-06-09	J.K.	H.K.	AS-BUILT
1	00-07-09	AV.	H.K.	ISSUED FOR CONSTRUCTION
0	00-06-09	H.S.M.	H.K.	TENDER ISSUE

REVISIONS

JOB NUMBER	E206	DATE	
SCALE	AS SHOWN	DATE	
DRAWN	H.S. MILO		
DESIGNED	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	00-04-10	
APPROVED	<i>[Signature]</i>	00-04-10	
DATE	MAY, 1980		



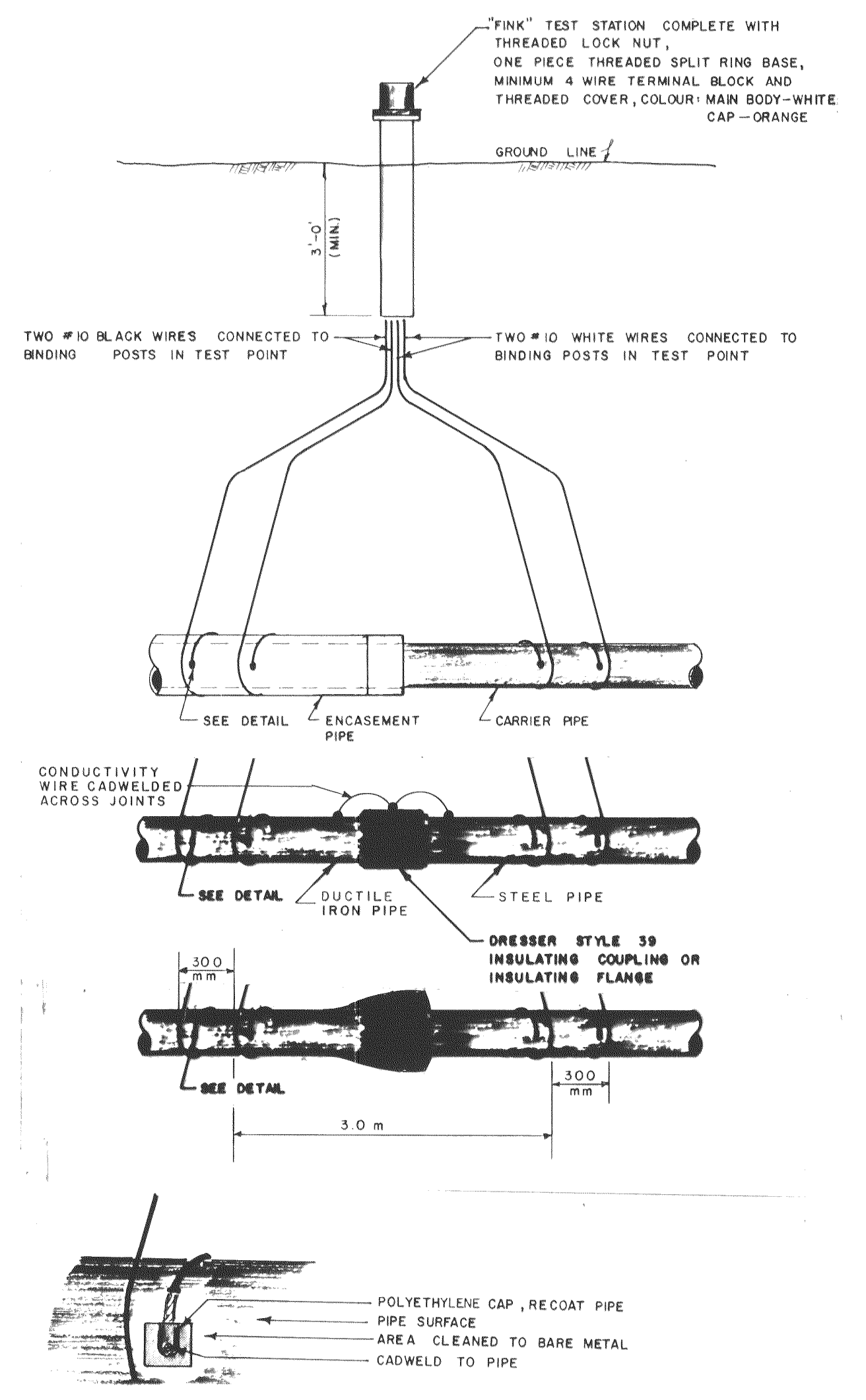
TOWN OF PEACE RIVER

PEACE RIVER, ALBERTA

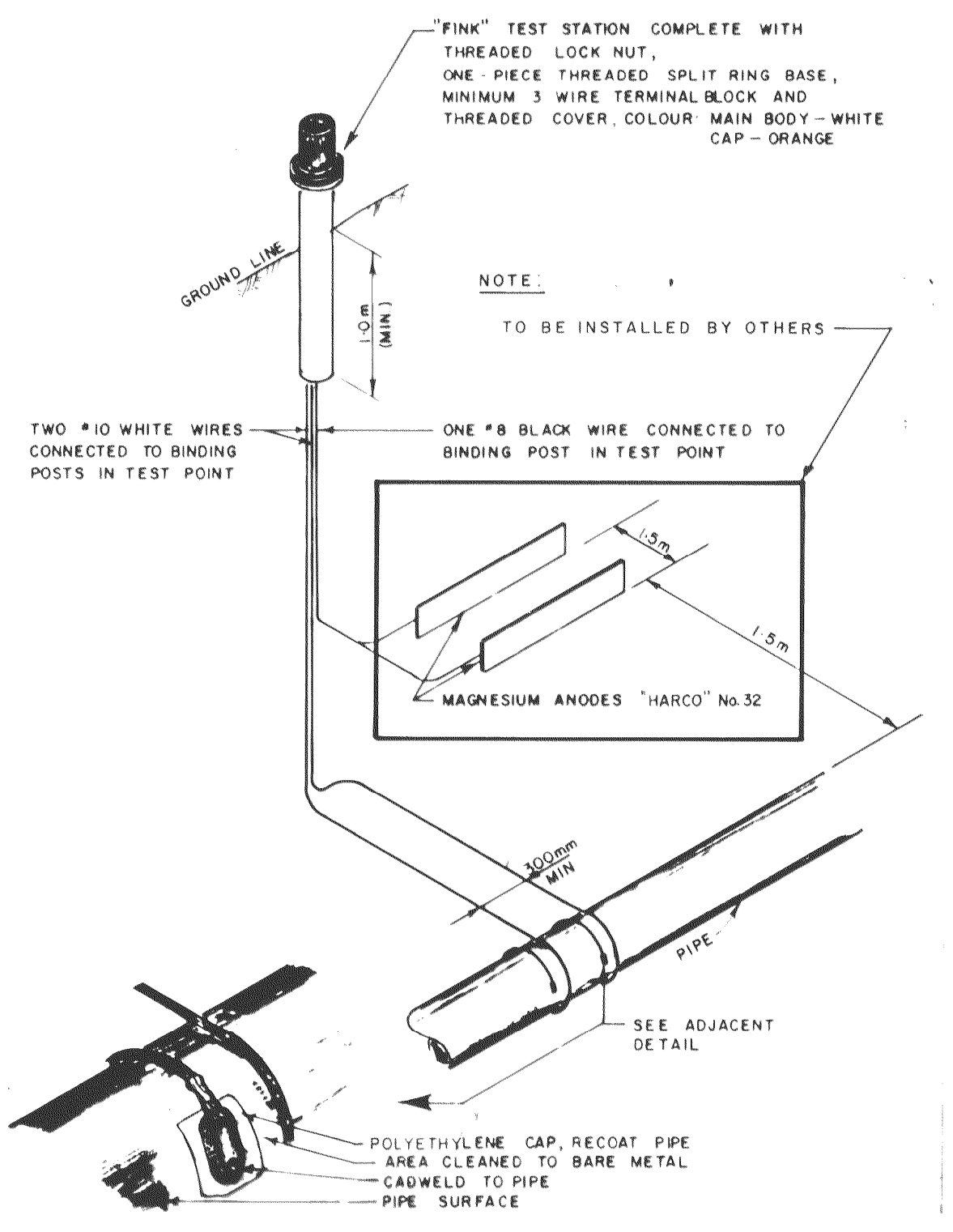
WATER FEEDER MAIN

STANDARD DETAILS

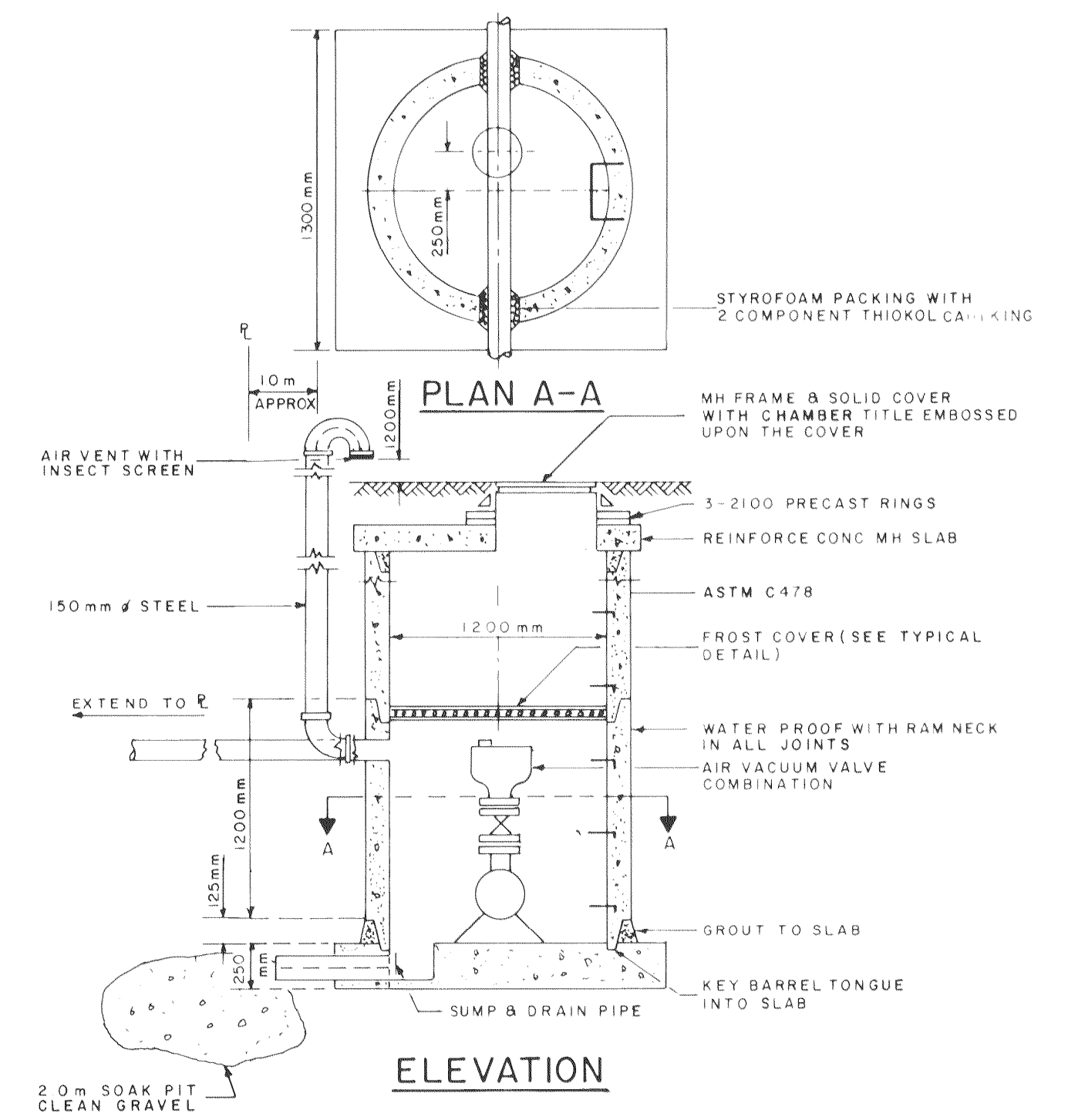
DRAWING NUMBER	REV.	SHEET
E206-20-116	2	16/16



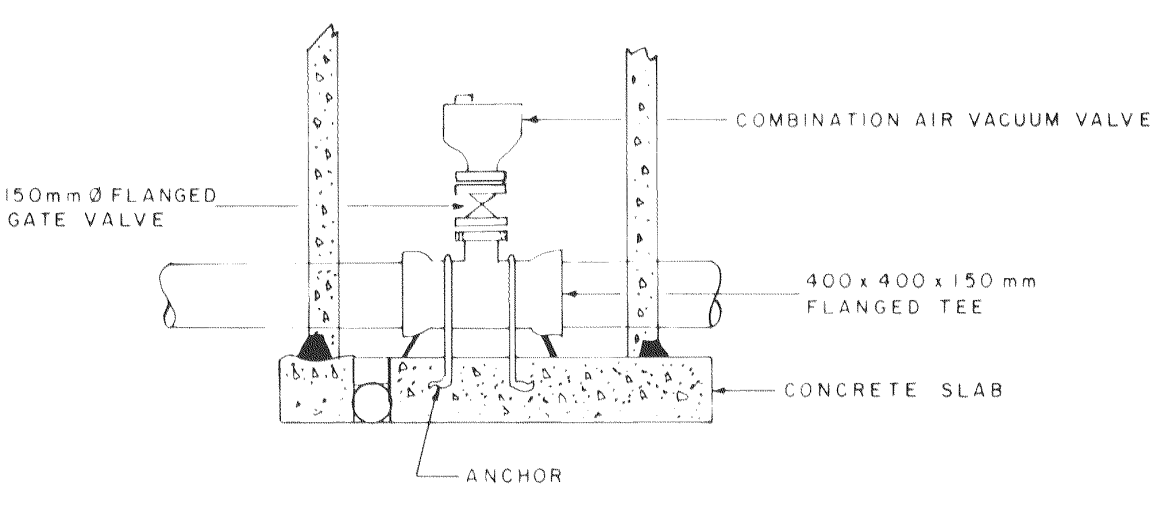
CATHODIC TEST STATION DETAIL
SCALE: N.T.S.



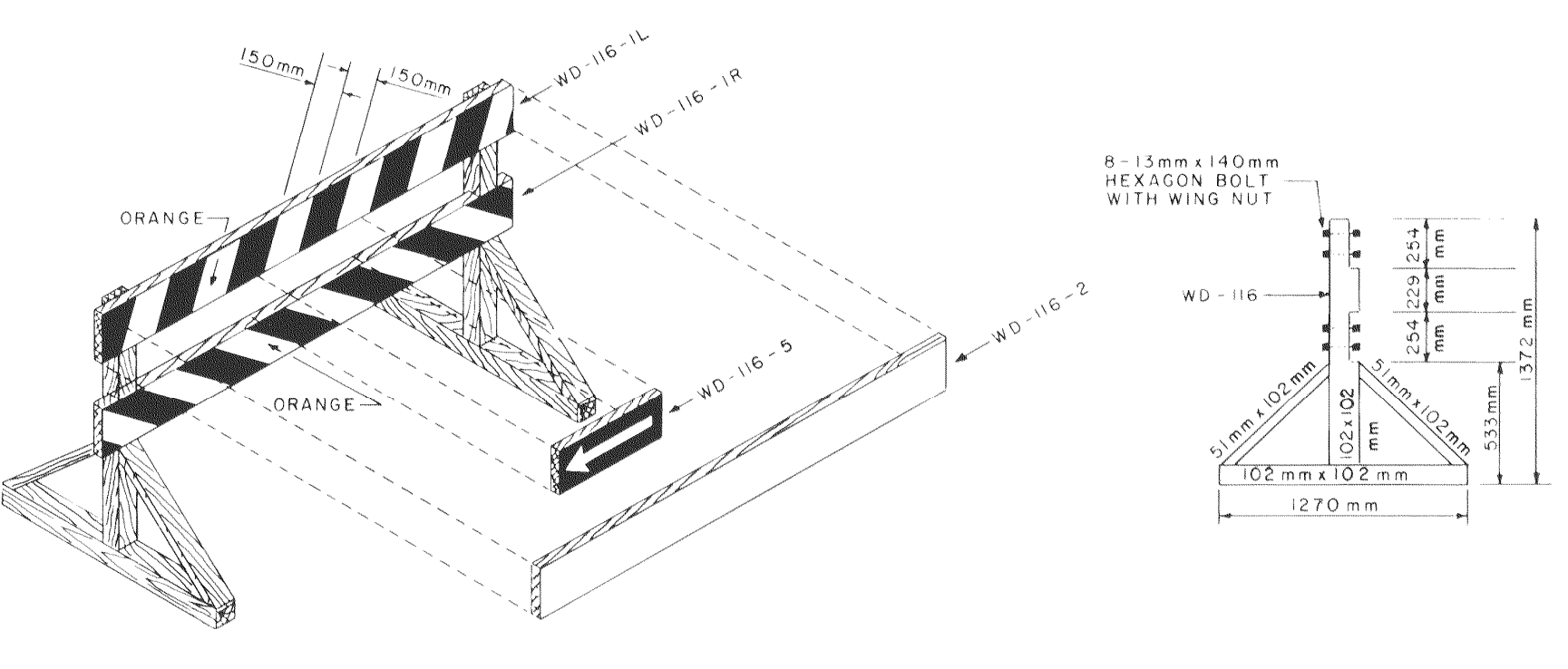
SACRIFICIAL MAGNESIUM ANODE STATION
SCALE: N.T.S.



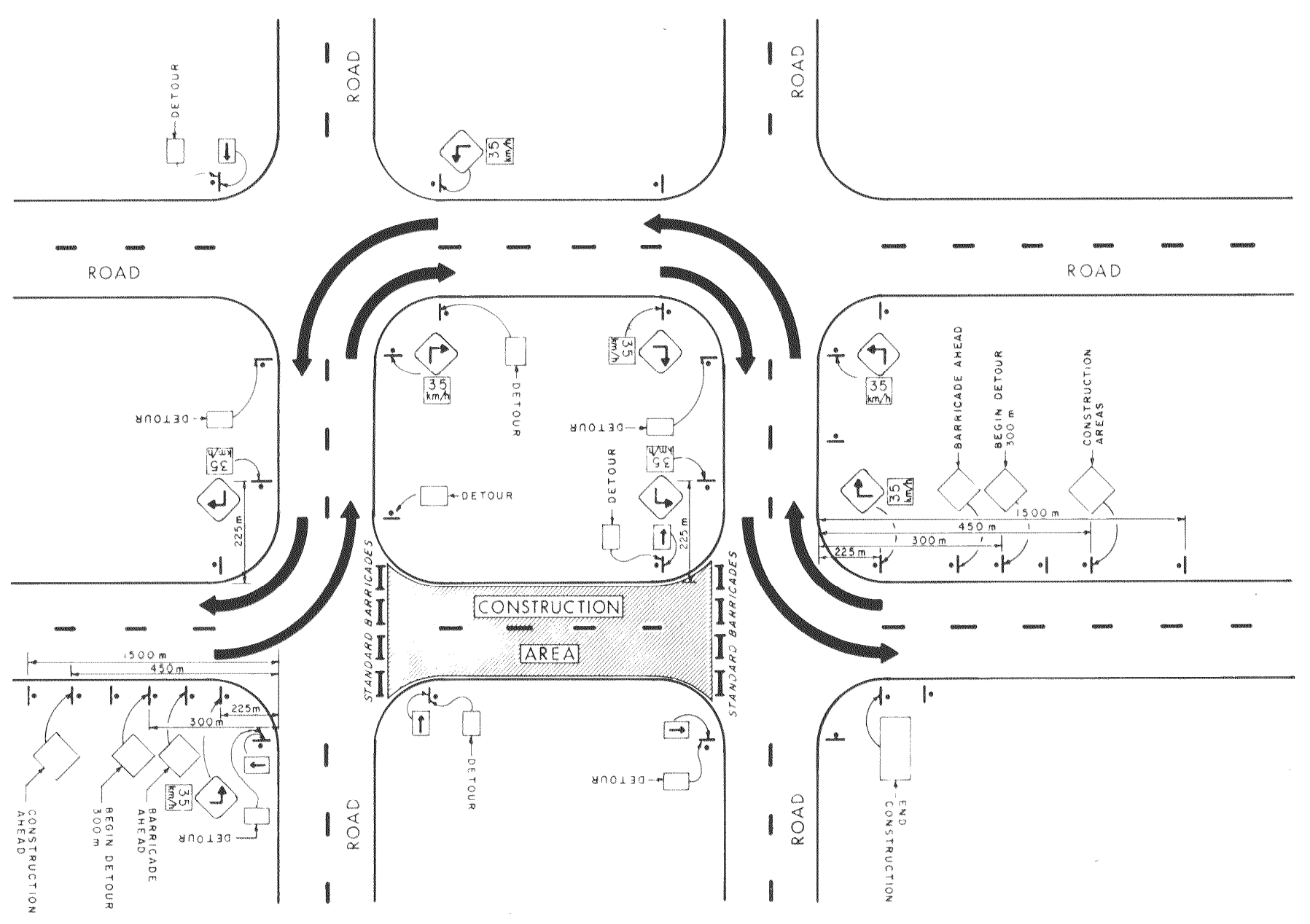
AIR VACUUM ASSEMBLY
SCALE: N.T.S.



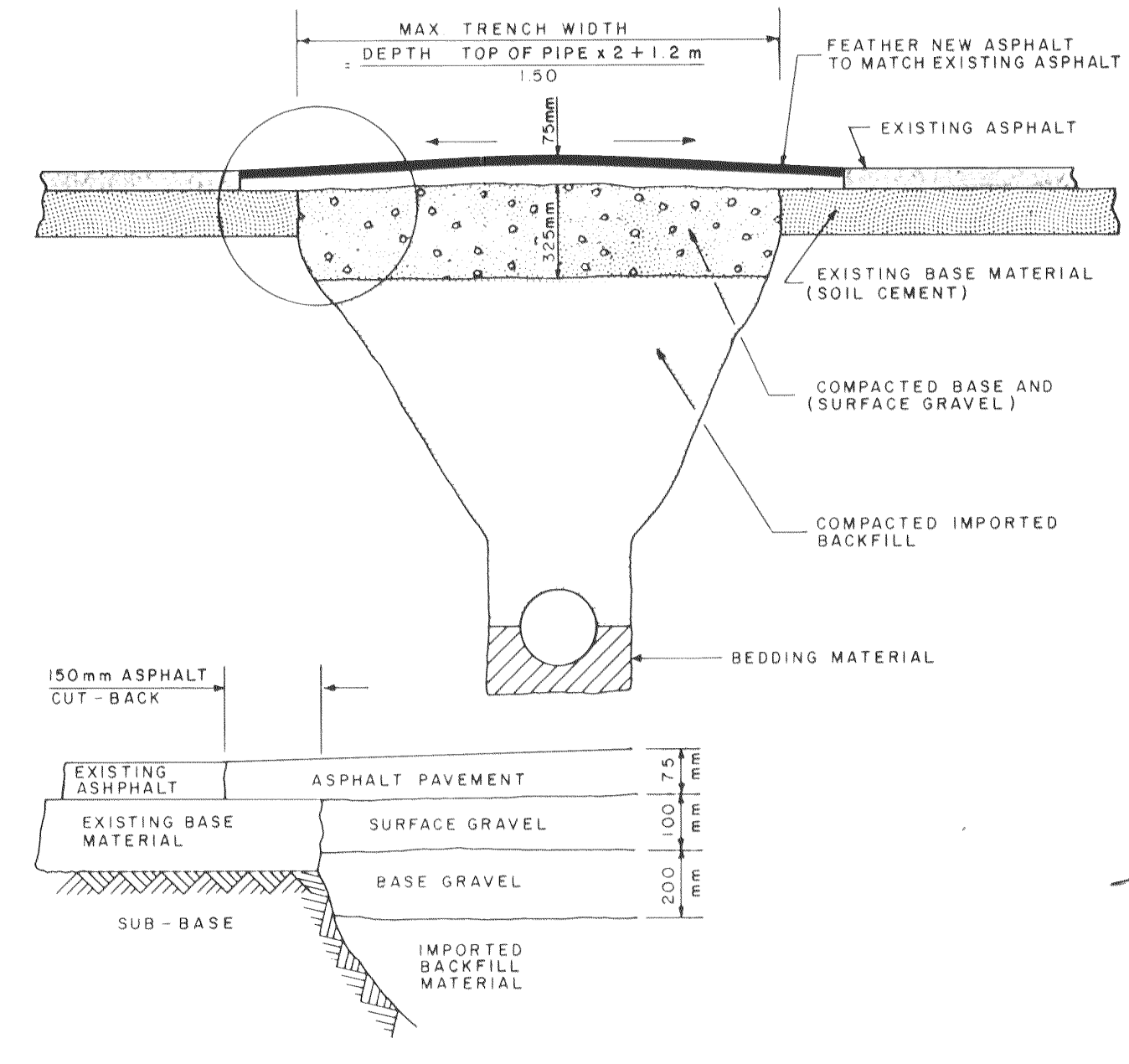
COMBINATION AIR RELEASE VALVE
SCALE: N.T.S.



STANDARD BARRICADE (FULLY REFLECTORIZED)
SCALE: N.T.S.



TYPICAL DETOUR SIGNING ON CONSTRUCTION PROJECTS
SCALE: N.T.S.



PAVEMENT REPLACEMENT
SCALE: N.T.S.

AS-BUILT
Approved By *[Signature]* Date July 11, 1981