STORMWATER DRAINAGE

- 1. ALL STORMWATER DRAINAGE WORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND SPECIFICATIONS OUTLINED IN THE PROJECT SPECIFICATION.
- 8. PRIOR TO COMMENCING WORK ONSITE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES THROUGH MEANS OF POTHOLING. DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND CONDITIONS ONSITE SHALL BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
- 9. COVER LEVELS OF STORMWATER STRUCTURES ARE PROVISIONAL AND SHALL BE ADJUSTED TO SUIT THE SURROUNDING FINISHED GROUND LEVELS IN ACCORDANCE WITH DRAWINGS AND CONSTRUCTED KERB PROFILES.
- 10. GRATES AND COVERS FOR STORMWATER STRUCTURES SHALL CONFORM WITH AS 3996 AND AS 1428.1 FOR ACCESS REQUIREMENTS.
- 11. PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725. ALL BEDDING IS TO BE TYPE H2 UNLESS OTHERWISE NOTED.
- 12. ALL CURVED PIPE ALIGNMENTS ARE TO BE ACHIEVED VIA DEFLECTION THROUGH THE JOINTS BETWEEN PIPES IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- 13. ALL STORMWATER PIPES ARE TO BE AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE
- 14. STORMWATER PIPES GREATER THAN 7% SHALL HAVE SCOUR STOPS CONSTRUCTED AT 5m MAXIMUM SPACING.
- 15. ALL PIPE LENGTH, GRADES AND INVERT LEVELS ARE MEASURED AT THE CENTRE OF STORMWATER STRUCTURES OR FACE OF HEADWALLS UNLESS OTHERWISE NOTED.
- 16. INVERT LEVELS ARE TO BE USED FOR CONSTRUCTION, GRADES SHOWN ARE NOMINAL
- 17. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- 18. GRADES OF STORMWATER LINES ARE NOT TO BE REDUCED WITHOUT APPROVAL FROM THE SUPERINTENDENT.
- 19. PIPES Ø300 OR LARGER TO BE REINFORCED CONCRETE (RCP) CLASS "2" APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS UNLESS NOTED OTHERWISE.
- 20. PIPES LESS THAN Ø300 TO BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS UNLESS NOTED OTHERWISE.
- 21. ANY CHANGES IN MATERIAL MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 22. ALL CONNECTIONS, JUNCTIONS AND ENLARGERS ARE TO BE MADE WITH MANUFACTURER'S
- 23. ALL PIPES ARE DESIGNED FOR OPERATIONAL LOADS ONLY. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT PIPES DURING CONSTRUCTION.
- 24. THE CONTRACTOR SHALL UNDERTAKE TEMPORARY DIVERSION WORKS TO ENSURE THE EXISTING STORMWATER SYSTEM REMAINS OPERATIONAL DURING CONSTRUCTION.
- 25. THE CONTRACTOR SHALL UNDERTAKE TEMPORARY DIVERSION WORKS TO ENSURE ALL WORK IN PROGRESS IS PROTECTED UNTIL DEEMED FINISHED BY THE SUPERINTENDENT.
- 26. WORKS AS EXECUTED DOCUMENTATION IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS AGREED OTHERWISE.

-SETOUT POINT

STORMWATER PIPE INFORMATION

PIPE INFORMATION

UPSTREAM INVERT LEVEL Ø000 PIPE INTERNAL DIAMETER PIPE LENGTH

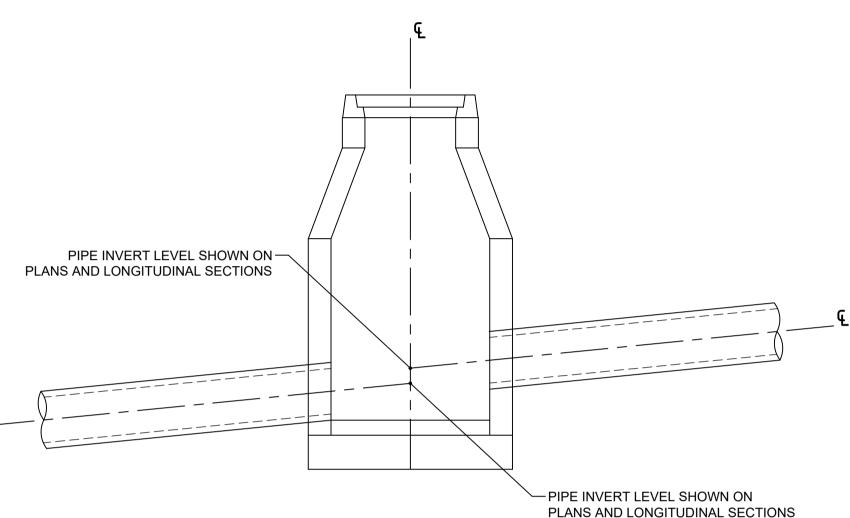
PIPE MATERIAL AND CLASS HYDRAULIC FLOW RATE PIPE GRADE DOWNSTREAM INVERT LEVEL

L 10.0m TIE LENGTH TIE DEPTH D 1.0m Ø150 TIE DIAMETER

TIE INFORMATION

STORMWATER STRUCTURE IDENTIFICATION

LINE NUMBER 1 - STRUCTURE NUMBER 2



DESIGN INVERT LEVELS AT STORMWATER SUMPS AND MANHOLES

-SETOUT POINT

QS SUMP

SCALE 1:50

PLANTATION SUMP

SCALE 1:50

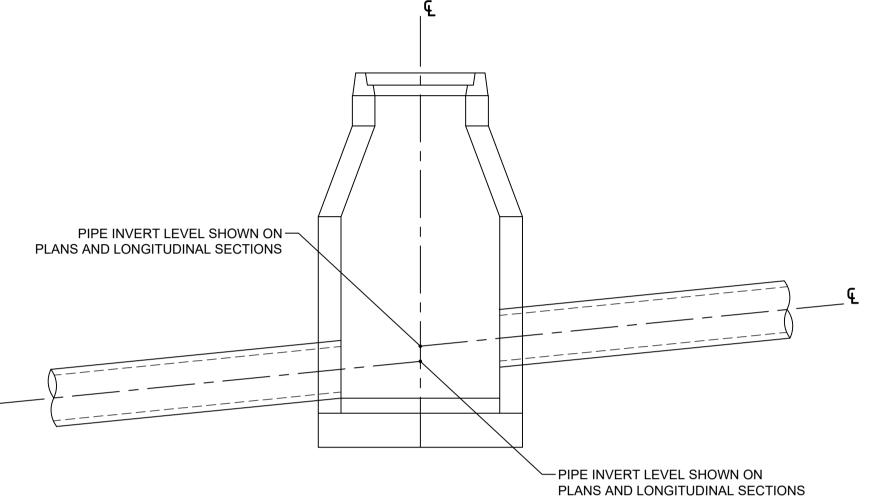
SUBSOIL DRAINAGE

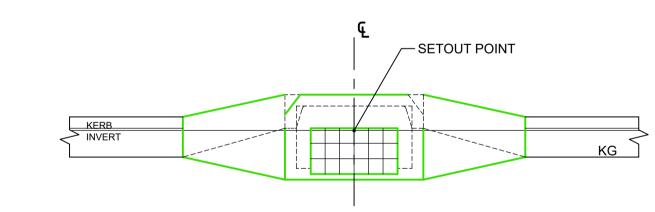
- 1. ALL SUBSOIL DRAINAGE WORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND SPECIFICATIONS OUTLINED IN THE PROJECT SPECIFICATION.
- 2. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- 3. SUBSOIL DRAINS TO BE Ø100 SLOTTED FLEXIBLE uPVC UNLESS NOTED OTHERWISE.
- 4. ALL SUBSOIL DRAINS ARE TO BE AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
- 5. ALL SUBSOIL DRAINS TO BE RODDED PRIOR TO THE PLACEMENT OF ASPHALT.
- 6. ALL SUBSOIL DRAINS ARE DRAWN DIAGRAMMATICALLY FOR CLARITY. REFER TO TYPICAL DETAIL FOR SUBSOIL SETOUT.

SUBSOIL DRAINAGE LEGEND

HER HIGH END RISER

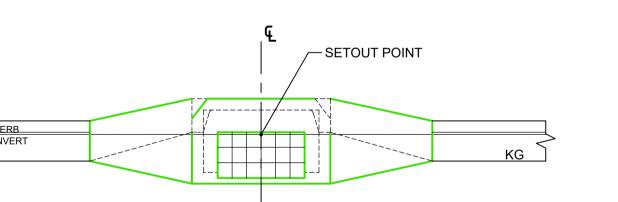
INTERMEDIATE RISER





KERB INLET SUMP (KIS) - SAG

SCALE 1:50



- SETOUT POINT KERB INVERT

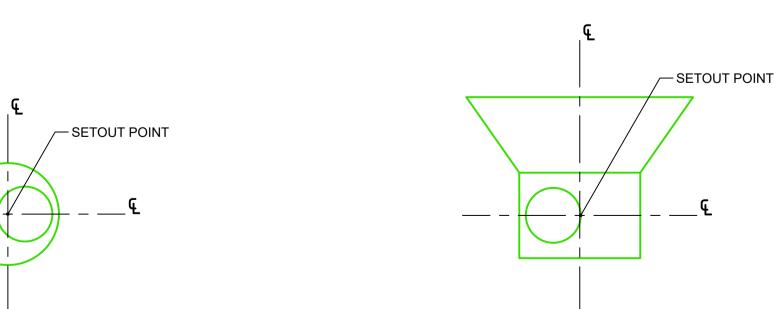
OPEN CHANNEL INVERT (OCI) SUMP SCALE 1:50

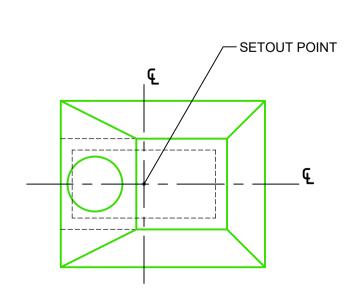
FITTINGS.

R-SUMP SETOUT SCALE 1:50

MANHOLE

SCALE 1:50



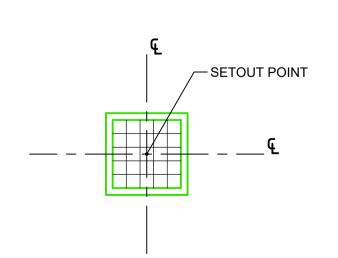


KERB INLET SUMP (KIS) - ON GRADE

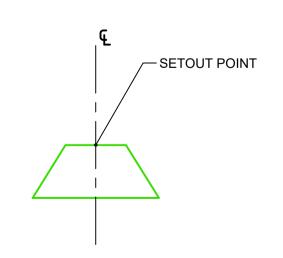
SCALE 1:50

- SETOUT POINT

SURCHARGE SUMP **SCALE 1:50**



GRATED INLET SUMP SCALE 1:50



HEADWALL SCALE 1:50

NOT FOR CONSTRUCTION

C 100% PSP RC EM 06.07.2023 B 80% PSP RC EM 28.04.2023 A 50% PSP RC EM 17.03.2023 Eng Draft Date Rev Description Eng Draft Date Rev Description Eng Draft Date Rev Description





Structura WATSON HEALTH HUB **BLOCK 1 SECTION 84** WATSON, ACT

STORMWATER NOTES AND LEGEND SHEET 1

ΕM

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