



Notes

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNO. FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
4. ALL LEVELS ARE IN METRES UNO & TO OS DATUM.
5. THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
6. THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
7. CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
9. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
10. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.
11. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.
12. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
13. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.
14. PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED (BEDDING CLASS Z).
15. PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUND.
16. POLYPROPYLENE INSPECTION CHAMBERS OF 5000 x 1200 DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
17. SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION, WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
18. SVP CONNECTIONS TO BE 100mm DIA UNO.
19. ALL FO & RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR RODDING.
20. WHERE PROPOSED DRAINAGE PIPEWORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL.
21. THE HYDRAULIC DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH CRMA REPORT 733 THE SUBS MANUAL AND THE HYDRAULIC DESIGN OF PIPELINES AND OTHER CONDUITS HAS BEEN CARRIED OUT IN ACCORDANCE WITH BS EN 16933-2.

- Legend**
- OVERALL SITE BOUNDARY.
 - Ex. SURFACE WATER PUBLIC SEWER.
 - Ex. FOUL PUBLIC SEWER.
 - PROPOSED SURFACE WATER DRAIN.
 - PROPOSED SURFACE WATER PCC MANHOLE.
 - PROPOSED SURFACE WATER PPIC.
 - PROPOSED LINEAR DRAINAGE CHANNEL AND ASSOCIATED SUMP OUTLET.
 - PROPOSED TRAPPED ROAD GULLY.
 - PROPOSED SIPHONIC RAINWATER DOWN SPOUT.
 - PROPOSED RODDING EYE.
 - PROPOSED TANKED PERMEABLE PAVING WITH FILTER DRAIN.
 - PROPOSED FOUL DRAIN (TYPICALLY 1000 UNO).
 - PROPOSED FOUL PCC MANHOLE.
 - PROPOSED FOUL PPIC.
 - PROPOSED FOUL OUTLET.

NOTE:
ALL SURFACE WATER CHAMBERS ARE TO BE PCC UNO C250 COVERS IN PEDESTRIAN AREAS.
D400 COVERS IN CARPARK AREAS.
E600 COVERS IN ACCESS ROAD AND YARD AREAS.

SIPHONIC BREAK CHAMBERS ARE TO HAVE D400 OPEN MESH COVERS. DETAILS BY SIPHONIC DRAINAGE DESIGNER.

ALL FOUL CHAMBERS ARE TO BE MIN 4500 HD PPIC UNO C250 COVERS IN PEDESTRIAN AREAS.
D400 COVERS IN CARPARK AREAS.
E600 COVERS IN ACCESS ROAD AND YARD AREAS.

ALL DRAINAGE WITH LESS THAN 750 COVER IS TO BE ENCASED IN MIN 150THK C20/40 CONCRETE - SEE DETAIL DRAWING FOR ENCASEMENT DETAILS.

ALL INTERNAL FOUL OUTLET POINTS ARE TBC.

ALL LINEAR DRAINAGE CHANNELS WITHIN HGV AREAS ARE TO BE GRATIC.

ALL LINEAR DRAINAGE CHANNELS WITHIN ROADS ARE TO HAVE D400 HEEL GUARD GRATINGS.

PHASE 1 DRAINAGE SHOWN IN GREY WAS DESIGNED AND SUBMITTED UNDER PLANNING APPLICATION No. 2000494HYB

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Client: **TRITAX SYMMETRY**
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Project Title: **SYMMETRY PARK, CRYMONTON**

Drawing Title: **PROPOSED DRAINAGE LAYOUT. UNIT 2.**

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