



- SEWER NOTES**
1. THE INFORMATION INDICATED ON THIS PLAN SHOULD BE REGARDED AS PRELIMINARY UNTIL PERCOLATION TESTING HAS BEEN UNDERTAKEN TO CONFIRM THE SIZE OF THE TEMPORARY SURFACE WATER SOAKAWAY.
 2. THE SURFACE WATER SOAKAWAY IS A TEMPORARY SOLUTION ONLY. PERMANENT SURFACE WATER SEWERS / ROAD DRAINS WILL BE INSTALLED AND ADOPTED BY SCOTTISH WATER / HIGHLAND COUNCIL TO CONVEY THE SURFACE WATER FLOWS TO THE EXISTING EXTENDED DETENTION BASIN AS INDICATED ON SHEET 2.
 3. THE PROPOSED NEW CONNECTIONS TO THE SEWER NETWORK WILL BE SUBJECT TO APPROVAL BY SCOTTISH WATER'S DEVELOPMENT OPERATIONS TEAM.
 4. PVC STRUCTURED WALL GULLY SEWERS WITH MANUFACTURERS FLEXIBLE JOINTS AND COMPLY WITH RELEVANT PROVISIONS OF BS EN 14011 (STIFFNESS CLASSIFICATION B) AND BS EN 12451 (VITRIFIED CLAY PIPES WITH MANUFACTURERS FLEXIBLE JOINTS) AND COMPLY WITH THE RELEVANT REQUIREMENTS OF BS EN 12452.
- SEWER NOTES**
1. TO BE PVC PLAN WALL WITH MANUFACTURERS FLEXIBLE JOINTS AND COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 14011 (STIFFNESS CLASSIFICATION B) AND ALL ACCESS POINTS AND CHAMBERS TO BE IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF BS EN 12020.
 2. PRECAST CONCRETE CHAMBERS TO BE IN ACCORDANCE WITH TABLE NA.22 OF BS EN 12020.
 3. SEWERAGE INSTALLATION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH 'SEWERS FOR SCOTLAND, 4TH EDITION, OCTOBER 2017'.
 4. SEWERAGE INSTALLATION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH 'SEWERS FOR SCOTLAND, 4TH EDITION, OCTOBER 2017'.
 5. THE SEWER DESIGN ON THIS DRAWING IS BASED ON THE USE OF UPVC PIPES IN ACCORDANCE WITH CLAUSE 2.12 OF 'SEWERS FOR SCOTLAND, 4TH EDITION, OCTOBER 2017'.
 6. PIPE SIZES 100MM TO 300MM DIAMETER INCLUSIVE SHOULD BE THERMOPLASTIC STRUCTURED WALL SEWER PIPE, TERRAZCOTTA IN COLOUR AND SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 12451 AND BS EN 12452.
 7. ALTERNATIVELY FOR PIPE SIZES 150MM TO 300MM DIAMETER INCLUSIVE VITRIFIED CLAY PIPES CAN BE USED. THESE MUST HAVE THE MANUFACTURERS FLEXIBLE JOINTS AND COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 14011 OR BS EN 14012.
 8. ALTERNATIVELY FOR PIPE SIZES GREATER THAN 300MM TO 600MM INCLUSIVE UNREINFORCED OR REINFORCED CONCRETE PIPES CAN BE USED. THESE MUST COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 12050 AND BS EN 12051.
 9. FOR PIPE SIZES GREATER THAN 600MM UNREINFORCED OR REINFORCED CONCRETE PIPES MUST COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 12051 AND BS EN 12052.
 10. CONCRETE PROTECTION TO SEWERS TO BE IN ACCORDANCE WITH CURRENT SCOTTISH WATER SPECIFICATION. CONCRETE PROTECTION SHOWN ON DRAWING IS BASED ON THE USE OF UPVC PIPEWORK AND IS INDICATIVE ONLY. CONCRETE SURROUND IS TO BE USED FOR VITRIFIED CLAY AND CONCRETE PIPEWORK.
 11. MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH CLAUSE 2.10 OF 'SEWERS FOR SCOTLAND, 4TH EDITION, OCTOBER 2017'. SAFETY CHAINS TO BE PROVIDED WHERE OUTFALL PIPE IS 600MM OR GREATER. LADDERS TO BE PROVIDED WHERE MANHOLE DEPTH IS GREATER THAN 900.
 12. GULLY CONNECTIONS TO BE 100MM DIAMETER AND POSITIONS TO BE VERIFIED ON SITE PRIOR TO INSTALLATION OF BRANCHES.

- LEGEND (ADOPTING AUTHORITY)**
- EXISTING FOLL SEWER (SCOTTISH WATER)
 - EXISTING SURFACE WATER SEWER (SCOTTISH WATER)
 - ROAD DRAIN / GULLY TAIL (HIGHLAND COUNCIL)
 - SURFACE WATER SEWER (SCOTTISH WATER)
 - SURFACE WATER SOAKAWAY (HIGHLAND COUNCIL)
 - GRASS SWALE (HIGHLAND COUNCIL)
 - FILTER DRAIN WITH PERFORATED PIPE (HIGHLAND COUNCIL)
 - EXISTING SINGLE GULLY (HIGHLAND COUNCIL)
 - EXISTING DOUBLE GULLY (HIGHLAND COUNCIL)
 - PROPOSED TRAPPED GULLY (HIGHLAND COUNCIL)
 - DETENTION BASIN ACCESS TRACK (SCOTTISH WATER)

Revision	Date	By	Comments

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Client
INVERNESS AIRPORT BUSINESS PARK

Project
WORKS TO VALLANCE ROAD, INVERNESS AIRPORT BUSINESS PARK, INVERNESS

Title
DRAINAGE LAYOUT FOR VALLANCE ROAD INCLUDING ALTERATIONS TO EXISTING DRAINAGE SHEET 1 OF 2

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