NOTES:

1. STANDARDS

1.1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH IESIS STRUCTURES DRAINAGE SPECIFICATION

1.2. ALL DRAINAGE WORKS TO BE ADOPTED BY THE LOCAL SEWERAGE UNDERTAKER IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION, THE LOCAL SEWERAGE AUTHORITY ADDENDUM TO THE LATEST EDITION OF SEWERS FOR ADOPTION (SFA) AND THE LATEST EDITION OF SFA. ANY WORKS WITHIN PUBLIC HIGHWAYS IS TO BE OFFERED FOR ADOPTION BY THE LOCAL SEWERAGE UNDERTAKER.

1.3. ALL DRAINAGE WORKS TO REMAIN PRIVATE IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION AND APPROVED DOCUMENT 'H' DRAINAGE AND WASTE DISPOSAL

1.4. ALL PUBLIC HIGHWAY DRAINAGE WORKS IS TO BE ADOPTED BY THE LOCAL HIGHWAY AUTHORITY AND IS TO BE CARRIED OUT IN ACCORDANCE WITH, IN ORDER, IESIS STRUCTURES DRAINAGE SPECIFICATION AND THE LOCAL HIGHWAY AUTHORITY.

1.5. THE DESIGN IS NOT TO BE DEVIATED FROM UNLESS A SPECIFIC REQUEST HAS BEEN SUBMITTED AND APPROVED BY IESIS STRUCTURES. ANY DEVIATION FROM THE SHOWN DESIGN BY THE CONTRACTOR PLACES THE RESPONSIBILITY OF THE DESIGN ONTO THE CONTRACTOR IN ACCORDANCE WITH CDM.

2. PRE-COMMENCEMENT

2.1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND PERMISSIONS TO CARRY OUT ANY WORKS WITHIN PUBLIC OR 3rd PARTY LAND.

2.2. SHOWN UTILITIES WITHIN IESIS STRUCTURE DRAWINGS ARE NOT TO BE CONSIDERED A COMPLETE RECORD OF ALL EXISTING UTILITIES WITHIN THE AREA OF PROPOSED WORKS OR THE EXACT LOCATION OF THE EXISTING UTILITIES. IT'S THE CONTRACTOR'S RESPONSIBILITY TO VERIFY WHAT ASSETS (INCLUDING POSITION) ARE WITHIN THE AREA OF PROPOSED WORKS OR ANY OTHER REQUIRED AREAS TO THEIR SATISFACTION. THE CONTRACTOR SHALL LIAISE WITH THE RELEVANT ASSET OWNER TO PROTECT OR DIVERT ANY ASSETS AS REQUIRED TO THE ASSET OWNERS REQUIREMENTS / RECOMMENDATIONS.

2.3. ALL DRAINAGE WITHIN THE SITE AND OFFSITE DRAINAGE TO BE DIVERTED OR ABANDONED MUST BE CCTV'D TO ENSURE THERE ARE NO UNCHARTED OR BLIND CONNECTIONS. IF ANY UNCHARTED CONNECTIONS ARE FOUND, THEY MUST BE TRACED TO THE HEIR SOURCE OR 1ST UPSTREAM MANHOLE IF EXTENDING BEYOND THE SITE BOUNDARY AND THE FINDINGS PRESENTED TO IESIS STRUCTURES TO AMEND THE DESIGN ACCORDINGLY.

2.4. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING DISRUPTIONS TO 'LIVE' DRAINAGE IS KEPT TO A MINIMUM.

2.5. ALL DRAINAGE POINT OF CONNECTIONS OR OUTFALLS (SEWERS, WATERCOURSES, BODIES OF WATER AND/OR STRUCTURES/OUTFALLS) ARE TO HAVE THEIR EXISTING LEVELS VERIFIED ONSITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS TO ALLOW A REVIEW OF THE DRAINAGE DESIGN & REDESIGN IF REQUIRED. IF ANY EXISTING LEVELS ARE FOUND TO BE HIGHER (+10mm) OR SIGNIFICANTLY LOWER (-0.300mm) THAN SHOWN ON THE DRAWINGS THEN IESIS STRUCTURES IS TO BE NOTIFIED IMMEDIATELY. FAILURE TO NOTIFY IESIS STRUCTURES WITHIN 5 WORKING OF THE DISCREPANCY BEING NOTED. ALL OFFSITE WORKS ARE TO BE COMPLETED PRIOR TO ANY ONSITE WORKS, OR THE CONTRACTOR TAKES ON THE RESPONSIBILITY TO ENSURE THERE ARE NO OBSTRUCTIONS OR OTHER REASONS WHY THESE WORKS CAN'T BE CONSTRUCTED AS SHOWN.

2.6. THE STORAGE OF ALL MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR, AND IF DAMAGED DUE TO IMPROPER HANDLING AND/OR STORAGE, THE CONTRACTOR SHALL REPLACE THE ITEMS AT THEIR COST.

3. ABANDONMENT OF EXISTING UTILITIES & RELATED STRUCTURES

3.1. REDUNDANT DRAINS/SEWERS PASSING OR LOCATED WITHIN THE FOOTPRINT OF PROPOSED BUILDINGS ARE TO HAVE THE PORTION OF DRAIN/SEWER PLUS 0.5m BEYOND THE FOOTPRINT REMOVED.

3.2. REDUNDANT DRAINS/SEWERS OUTSIDE OF THE PROPOSED BUILDING FOOTPRINT ARE TO BE FILLED WITH CEMENT GROUT AT EITHER END FOR A MINIMUM LENGTH OF 300mm. IF THE SEWER EXTENDS BEYOND THE SITE, THE SEWER IS TO BE CUT AT THE SITE BOUNDARY AND THE END CAPPED WITH CEMENT GROUT FOR A MINIMUM LENGTH OF 300mm; SEWERS/DRAINS OR SEGMENTS THAT ARE LESS THAN 1m ARE TO BE REMOVED COMPLETELY. ALTERNATIVELY, THE CONTRACTOR MAY REMOVE ALL OF THE REDUNDANT PIPE IF THEY SO CHOOSE AT THEIR COST.

3.3. REDUNDANT MANHOLES, CHAMBERS OR OTHER STRUCTURES ARE TO BE REMOVED TO A DEPTH OF 0.5m FROM FINISHED GROUND LEVEL. THE BASE / FLOOR OF THE UNIT IS TO BE BROKEN OUT FOR ITS ENTIRETY OR CORE DRILLED WITH 100mm DIA. HOLES IN A 600mm GRID PATTERN (MIN. 2 HOLES) AND BACKFILLED WITH SELECTED AS DUG MATERIAL IN SOFT LANDSCAPING AREAS OR TYPE 2 MATERIAL IN ALL OTHER AREAS.

3.4. PETROL INTERCEPTORS, GREASE TRAPS, PACKAGE TREATMENT PLANTS OR OTHER UNITS/STRUCTURES TO TREAT FOUL OR SURFACE WATER ARE TO FOLLOW THE STEPS AS PER 3.3 WITH SOME ADDITIONAL STEPS. ALL M&E EQUIPMENT AND ANY ITEM THAT MAY LEACH HARMFUL TOXINS (I.E. LEAD, MERCURY) ARE TO BE REMOVED. THE LIQUID CONTENTS ARE TO BE REMOVED BY A LICENSED TANKERING COMPANY.

3.5. ALL WASTE GENERATED BY THE ABANDONMENT OF THE DRAINS/SEWERS, MANHOLES AND OTHER CHAMBERS/STRUCTURES ARE TO BE TAKEN TO A LICENCED DISPOSAL FACILITY.

3.6. THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT AN ASBESTOS SURVEY ON CONCRETE STRUCTURES TO BE REMOVED AND TAKING THE APPROPRIATE ACTION BASED ON THE RESULT OF THE ASBESTOS SURVEY/TESTING.

4. EXCAVATIONS & TEMPORARY WORKS

4.1. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE TRENCHES AT ALL TIMES, DEVELOPING A METHOD STATEMENT THAT INCLUDES REGULAR TRENCH INSPECTIONS, SAFE INGRESS & EGRESS AND EMERGENCY PROCEDURES FOR TRENCH COLLAPSES.

4.2. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE TRENCHES ARE KEPT FREE OF STANDING WATER.

4.3. ALL DRAINAGE OUTSIDE OF THE PROPOSED BUILDING FOOTPRINTS HAVE BEEN DESIGNED FOR CONSTRUCTION VEHICLE LOADING BASED ON FINISHED COVER DEPTH MINUS 200mm. WHERE PIPES HAVE A FINISHED COVER DEPTH LESS THAN 600mm, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION FROM CRUSHING DUE TO CONSTRUCTION VEHICLE TRAFFIC.

4.4. WHEN REQUIRED THE CONTRACTOR SHALL PROVIDE SUFFICIENT CALCULATION AND/OR METHOD STATEMENTS TO SUBSTANTIATE ANY PROPOSED TEMPORARY WORKS A MIN. 14DAYS PRIOR TO SUCH WORKS.

5. GENERAL

5.1. ALL COVER LEVELS SHOWN ON THE DRAINAGE PLAN ARE APPROXIMATE. EXACT LEVELS OF PROPOSED COVERS TO BE DETERMINED ONSITE TO MATCH THE PROFILE OF THE SURROUNDING GROUND. LEVEL DISCREPANCIES OF +/-100MM TO BE REPORTED TO IESIS STRUCTURES IMMEDIATELY.

5.2. GULLY POSITIONS ARE APPROXIMATE AND ARE TO BE ADJUSTED LOCALLY TO THE LOW POINT. IF THE GULLY POSITION IS MORE THAN 1m FROM THE SHOWN POSITION OR GRADIENTS AMENDED SIGNIFICANTLY TO FALL TOWARDS THE SHOWN GULLY POSITION, THE CONTRACTOR SHALL INFORM IESIS STRUCTURES IMMEDIATELY.

5.3. FOUL STACKS AND RAINWATER PIPES ARE PROVIDED BY THE ARCHITECT/M&E CONSULTANT (REFER TO THE ARCHITECT/M&E CONSULTANT DRAWINGS FOR EXACT POSITIONS).

5.4. ALL FOUL STACKS AND RAINWATER PIPES ARE TO HAVE RODDING ACCESS AT GROUND (NO GREATER THAN 600mm ABOVE FFL) LEVEL UNLESS STACK CONNECTS DIRECT TO A TYPE 1 OR 2 MANHOLE (MIN. 1200mm DIAMETER).

5.5. ALL MATERIALS TO BE KITE MARKED WITH THE RELEVANT BS AND/OR BS EN STANDARD.

5.6. EXPOSED OPEN PIPES, ACCESS POINTS OR OPENINGS IN CHAMBERS TO BE TEMPORARILY SEALED/PROTECTED TO PREVENT THE INGRESS OF MATERIALS OR RODENTS.

5.7. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT CONNECTION.

5.8. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING A DETAILED RECORD OF THE INSTALLATION OF THE DRAINAGE DESIGN IS TAKEN AND PASSED ONWARDS TO THE PLANNING AUTHORITY TO DISCHARGE PLANNING CONDITIONS. IT IS ADVISED THE CONTRACTOR CONTACTS THE PLANNING AUTHORITY AT AN EARLY STAGE TO CONFIRM THEIR SPECIFIC REQUIREMENTS TO ENSURE SUFFICIENT & THE CORRECT EVIDENCE IS SUBMITTED; POST CONSTRUCTION INTRUSIVE INVESTIGATIONS TO BE CARRIED OUT AT THE CONTRACTORS COST.

6. PIPEWORK

6.1. CONNECTIONS FROM RAINWATER PIPES TO ACCESS POINTS OR MAIN DRAIN RUNS TO BE SAME DIAMETER AS PER THE RAINWATER PIPE SPECIFIED BY THE ARCHITECT/M&E CONSULTANT; DRAINS/SEWERS THEREAFTER TO BE MIN. 150mm DIAMETER. CONNECTIONS UNDER BUILDINGS TO BE LAID NO FLATTER THAN 1:40 AND ALL OTHER DRAINS/SEWERS LAID NO FLATTER THAN 1:150 UNLESS SPECIFICALLY STATED ON THE DRAINAGE LAYOUT.

6.2. CONNECTIONS FROM FOUL STACKS TO ACCESS POINTS OR MAIN DRAIN RUNS TO BE THE SAME DIAMETER AS PER THE FOUL STACK DIAMETER SPECIFIED BY THE ARCHITECT/M&E CONSULTANT; DRAINS/SEWERS THEREAFTER TO BE MIN. 150mm DIAMETER. CONNECTIONS AND DRAINS/SEWERS TO BE LAID NO FLATTER THAN 1:40 IF NO W.C. DISCHARGES TO THE DRAIN/SEWER, NO FLATTER THAN 1:80 IF A MINIMUM 1 W.C . DISCHARGES TO THE DRAIN/SEWER, AND 1:150 IF THE SEWER SERVES 10 OR MORE DWELLINGS.

6.3. LAYING OF PIPEWORK TO BE TRUE AND CONSISTENT GRADIENT FOR THE FULL LENGTH WITH SOCKETS FACING UPHILL.

6.4. ALL PIPES TO BE CUT CLEAN AND FILED TO ENSURE ALL BURS HAVE BEEN REMOVED.

6.5. ALL CLAY PIPEWORK TO BE 'SUPER STRENGTH' VITRIFIED CLAY TO BS 65, BS EN 295. ALL PLASTIC PIPEWORK TO BE uPVC TO BS EN 1201. ALL PIPEWORK TO BE ADOPTED OR SERVING MORE THAN 1 CURTILAGE TO BE CLAY PIPEWORK.

6.6. PIPE BEDDING SPECIFIED TO BE APPLIED FOR THE FULL LENGTH OF THE DRAIN/SEWER AND IS BASED ON THE FULL COVER DEPTH MINUS 200mm WITH CONSTRUCTION TRAFFIC LOADING. CONTRACTOR RESPONSIBLE FOR REVIEWING THE PROTECTION OF THE DRAINAGE IF THE COVER DEPTH IS REDUCED.

6.7. GRANULAR FILL MATERIAL TO BE NATURAL TO WATER INDUSTRY SPECIFICATION WIS 4-08-02, COMPACTED IN 100mm LAYERS FOR THE FULL WIDTH OF THE TRENCH. SELECTED AS DUG MATERIAL COMPACTED IN 300mm THICK LAYERS FOR THE FULL WIDTH OF THE TRENCH FREE FROM VEGETATION MATTER, RUBBISH, FROZEN SOIL AND MATERIAL RETAINED IN A 40mm SIEVE. HEAVY COMPACTORS NOT PERMITTED UNTIL 600mm COVER IS LAID.

6.8. ALL BLIND CONNECTIONS TO BE MADE AS SHOWN WITH THE FINAL CONNECTION BETWEEN SEWER RUNS CREATED USING RADIUS BENDS OR MIN 2 BENDS OF WHICH NEITHER IS GREATER THAN 45° AND 1 ROCKER PIPE. REFER TO SADDLE DETAIL ONT HE DRAINAGE DETAILS PLAN(S) FOR FURTHER INFORMATION. ALL CONNECTIONS TO BE SOFFIT TO SOFFIT

6.9. PIPES CROSSINGS WITH LESS THAN 100mm OF SEPARATION TO BE CONCRETE ENCASED AS PER THE PIPE CROSSING DETAIL WITHIN THE DRAINAGE DETAILS DRAWING(S).

7. CONCRETE

7.1. ALL BURIED INSITU CONCRETE SHALL BE DESIGNED TO BRE SPECIAL DIGEST 1 - CONCRETE IN AGGRESSIVE GROUND BASED ON SITE INVESTIGATION REPORT RECOMMENDATIONS SUMMARIZED IN TABLE 2 WITHIN THIS DRAWING. WHERE APPROPRIATE, REFER TO CONTAMINATION REPORTS AND THE SITE INVESTIGATION REPORT FOR FURTHER DETAILS OF CHEMICALS AFFECTING CHOICE OF MATERIALS AND OTHER ADDITIONAL REQUIREMENTS.

7.2. ALL BURIED PRECAST CONCRETE, INSITU CONCRETE AND MORTARS SHALL BE SULPHATE RESISTING AS RECOMMENDED BY THE SITE INVESTIGATION REPORT SUMMARIZED IN TABLE 2 WITHIN THIS DRAWING.

7.3. CONCRETE TO BS 8500-2 AND EITHER TYPE GEN1 OR GEN3 WITH AGGREGATES HAVING A MAXIMUM SZE OF 20mm TO BS 8500-2 AND BS EN 12620. CONSISTENCE AND CHLORIDE CLASS 4 AND Cl TO 1.0 RESPECTIVELY.

7.4. ALL READY MIXED CONCRETE TO BE SOURCED FROM A BODY ACCREDITED BY UKAS TO BS EN ISO/IEC 17065 FOR PRODUCT CONFORMITY CERTIFICATION OF READY MIXED CONCRETE.

7.5. ALL CASTINGS TO BE SINGLE POUR EXCEPT WHERE DRAINAGE DETAILS INDICATE CONSTRUCTION JOINTS.

7.6. CASTING INSITU CONCRETE WHEN AT OR BELOW 5°C IS PROHIBITED. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING A METHODOLOGY TO ENSURE THE TEMPERATURE OF INSITU CONCRETE DOES NOT FALL BELOW 5°C DURING THE CURING PERIOD.

8. MORTAR

8.1. MORTAR TO BS EN 998-2 MIXED TO GROUP 1 WITH SULPHATE RESISTANCE AS PER TABLES X BELOW. REFER TO THE DRAINAGE SPECIFICATION FOR FURTHER DETAILS OF MORTAR MIXTURES.

8.2. ALL JOINTS TO BE FILLED FLUSH WITH THE BRICK FACE AND FOR THEIR ENTIRE LENGTH.

8.3. MORTAR JOINTS TO HAVE A STRENGTH CLASS OF 32.5.

9. BRICKWORK

9.1. ALL BRICKWORK TO BE ENGINEERING CLASS B TYPE TO EN 77-1 LAID TO ENGLISH BOND STYLE.

9.2. BRICKWORK AND BLOCKWORK COURSES LAID LEVEL AND TRUE TO LINE WITH FACES AND ANGLES PLUMB.

9.3. PERMISSIBLE DEVIATIONS FOR STRAIGHTNESS IS ±5mm FOR EVERY 5m OF WALL AND FOR OVERALL THICKNESS OF WALLS, LEVEL OF BED JOINTS AND VERTICALLY OF WALL UP TO 3m IS ±3mm.

9.4. LAYING OF BRICKWORK AND BLOCKWORK PROHIBITED WHEN AT OR BELOW 5°C. THE CONTRACTOR IS RESPONSIBLE FOR EMPLOYING A METHODOLOGY TO ENSURE THE TEMPERATURE OF THE MORTAR DOES NOT FALL BELOW 5°C DURING THE CURING PERIOD.

10. PRECAST CONCRETE CHAMBERS (MANHOLES, INSPECTION CHAMBERS)

10.1. DIMENSIONS FOR MANHOLES (INCLUDING CATCHPITS, FLOW CONTROL CHAMBERS, SOAKAWAYS ETC.), INSPECTION CHAMBERS, OTHER CHAMBERS AND ACCESS FITTINGS ARE SPECIFIED ON THE MANHOLE SCHEDULE OR DRAINAGE DETAILS. ANY ITEM NOT SPECIFIED WITHIN EITHER LOCATION IS STATED IN APPROVED DOCUMENT H, TABLES 11 AND 12 WITH STANDARDS FOR MATERIALS STATED IN TABLE 14.

10.2. MANHOLES, INSPECTION CHAMBERS AND ACCESS POINTS HAVE THEIR ACCESS COVER LOADING CLASS SPECIFIED WITHIN THE MANHOLE SCHEDULE. ANY ITEM NOT WITHIN THIS LIST(S) IS TO HAVE THEIR COVERS, ACCESS COVER & FRAMES, GRATINGS ETC. DESIGNED TO A SUITABLE LOAD CLASS TO ONE OF THE FOLLOWING:

- B125 = PEDESTRIAN AREAS (NOT ACCESSIBLE BY VEHICLES)
- C250 = PEDESTRIAN AREAS WITH THE POTENTIAL OF VEHICLE LOADING
- D400 = ALL ARES DESIGNED FOR VEHICLE TRAFFIC INCL. LIGHTLY TRAFFICKED AREAS

10.3. GRATINGS IN ALL PEDESTRIAN AREAS TO BE HEEL SAFE.

10.4. CHAMBER INVERT LEVELS ARE FOR THE OUTLET PIPE WITH INLETS SOFFIT TO SOFFIT CONNECTION

10.5. MANHOLE COVER SLABS DESIGNED TO D400 LOADING.

10.6. FINAL ORIENTATION OF ACCESS COVERS TO BE DETERMINED ONSITE TO REDUCE THE CUTTING OF ADJACENT BLOCKS, PAVIOURS, SETTS AND BEST SUIT THE MANHOLE BENCHING.

11. PROPRIETARY PRODUCTS

11.1. PROPRIETARY PRODUCTS SPECIFIED WITHIN THIS DESIGN ARE TO BE USED AND ONLY ALTERNATIVE PRODUCTS OF MATCHING QUALITY, STANDARDS AND DESIGN CHARACTERISTICS AS NOTED WITHIN THESE DRAWINGS AND SPECIFICATIONS.

11.2. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER SPECIFICATIONS & RECOMMENDATIONS. WHERE THERE ARE CONFLICTS BETWEEN THE MANUFACTURER SPECIFICATIONS & RECOMMENDATIONS AND IESIS STRUCTURE DESIGN (DRAWINGS & SPECIFICATIONS), THESE CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF ISESIS STRUCTURES IMMEDIATELY TO RESOLVE THE CLASH.

12. COMPLETION

12.1. ALL CHAMBERS TO BE INSPECTED TO ENSURE THEY ARE FREE OF DEBRIS AND SILT AND ANY UNUSED INLETS/OUTLETS SUITABLY CAPPED TO PREVENT THE INGRESS OF WATER AND RODENTS.

12.2. ALL DRAINS/SEWERS CCTV'D, IN ACCORDANCE WITH IESIS STRUCTURES CCTV SPECIFICATION, TO ENSURE THEY HAVE NOT BEEN DAMAGED DURING THE PROPOSED WORKS. ANY SECTION OF PIPE DAMAGED IN ANY FASHION IS TO BE REPLACED AT THE CONTRACTORS COST.

12.3. ALL DRAINS/SEWERS TO BE TESTED IN ACCORDANCE WITH IESIS STRUCTURES SPECIFICATION TO ENSURE THERE ARE NO PIPE FAILURES.

TABLE 1 - ROCKER PIPE LENGTHS (mm)

NOMINAL PIPE Ø	MAXIMUM EFFECTIVE LENGTH
< 600	600
601 - 750	1000
> 750	1250

TABLE 2 - CONCRETE IN AGGRESSIVE CONDITIONS & SULPHATE RESISTANCE

DESIGN SULFATE CLASS	DS-1
ACEC CLASSIFICATION	AC-1

REV	DATE	DRAWN/CHK	REVISION INFO
C03	10.03.20	PL/PL	MINOR TEXT AMENDMENT.
C02	21.02.20	PL/PL	DRAWING STATUS UPDATED.
C01	24.01.20	PL/PL	FOR CONSTRUCTION

STATUS:

FOR CONSTRUCTION

CLIENT:

SAVISTA DESIGN AND BUILD

PROJECT:

POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE:

PROPOSED
DRAINAGE NOTES

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE1612	NTS	S4

DRAWING NUMBER: PP-ISS-XX-XX-DR-C-3004 REVISION: C03

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