

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WSP DRAWING LAYOUT Z-WSP-0580-DE-XX-001.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
3. **CONCRETE**
 - 3.1. FOR DESIGNATED, DESIGNATED OR STANDARDISED PRESCRIBED CONCRETE REFER TO BS EN 206-1 AND BS 8500. THEY SHALL HAVE A 20mm NOMINAL MAXIMUM SIZE OF AGGREGATE, AND A SLUMP CLASS 52 TO TARGET 70mm AND NO ADMIXTURES.
4. **PIPE**
 - 4.1. CONCRETE PIPES TO BE USED IN 1916 & BS 5911-1, CLAYWARE PIPES TO BE TO BS 295, DUCTILE ROLL PIPES TO BE TO BS EN 588 & PLASTIC PIPES TO BS 1474-1 AND 1327-6.
5. **BACKFILL TO TRENCHES - WITHIN TRAFFICED AREAS**
 - 5.1. ALL TRENCHES SITUATED WITHIN TRAFFICED AREAS TO BE BACKFILLED IN ACCORDANCE WITH HAUS SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS APPENDIX A1 CLASSES A,B,C,D.
6. **BACKFILL TO TRENCHES - OUTSIDE HIGHWAYS BELOW SOFT AREAS**
 - 6.1. BACKFILL TO TRENCHES TO BE COMPOSED OF SELECTED AS-CURED MATERIAL IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT H.
7. **GRANULAR BEDDING AND SURROUND**
 - 7.1. GRANULAR BEDDING TO PIPES AND BACKFILLING MATERIAL FOR TEMPORARY DRAINS (TRENCH SUB-SURF) SHALL COMPLY WITH DIAGRAM 10 OF BUILDING REGULATIONS APPROVED DOCUMENT H.
8. **TRENCH WIDTH**
 - 8.1. THE MAXIMUM TRENCH WIDTH MUST NOT BE EXCEEDED. IF THE WIDTH IS EXCEEDED THE CONTRACTOR MUST SUBMIT REVISED BEDDING PROPOSALS TO THE SUPERVISING OFFICER/ENGINEER.
9. **SOFT SPOTS AND OVERSIGHT**
 - 9.1. SOFT SPOTS SHALL BE REMOVED FROM THE BOTTOM OF THE TRENCH AND OTHER EXCAVATIONS AND THEN BE REFILLED TO FORMATION LEVEL WITH THE SAME MATERIAL AS THE PERMANENT WORK WHICH IS REST ON THAT FORMATION. OVERSIGHT SHALL BE TREATED IN THE SAME MANNER AT CONTRACTORS EXPENSE AS INSTRUCTED BY THE SUPERVISING OFFICER/ENGINEER.
10. **INLET LEVELS**
 - 10.1. ALL CHANNELS IN FORMED CHANNELS TO HAVE A CONTINUOUS GRADIENT EQUAL TO THE GRADIENT OF THE INCOMING OR OUTGOING PIPE THROUGHOUT THE WIDTH OF THE CHANNEL.
11. **SHORT SPIES AT CHAMBERS/ROCKER PIPES**
 - 11.1. NOT WITHSTANDING SPECIFIC REQUIREMENTS FOR INDIVIDUAL CHAMBER TYPES ALL PIPES LEADING TO AND FROM CHAMBERS SHALL INCLUDE ROCKER PIPES.
12. **INSPECTION ACCESS CHAMBERS**
 - 12.1. INSPECTION CHAMBERS SHALL BE IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARD FOR THEIR MATERIAL, AS SET OUT IN TABLE 14 OF BUILDING REGULATIONS APPROVED DOCUMENT H.
13. **MANHOLE CHAMBERS**

DRAWING STATUS: STAGE 4

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0.5" x 0.5" x 0.5" M15-10H-UK

CLIENT: **RENAKER**

SITE/PROJECT:

TITLE:

SCALE @ A1:			CHECKED:	APPROVED:
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70064346	JED	JED	APRIL 2022
DRAWING No: 30 WSD C500 DE XY 001			REV: D0

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