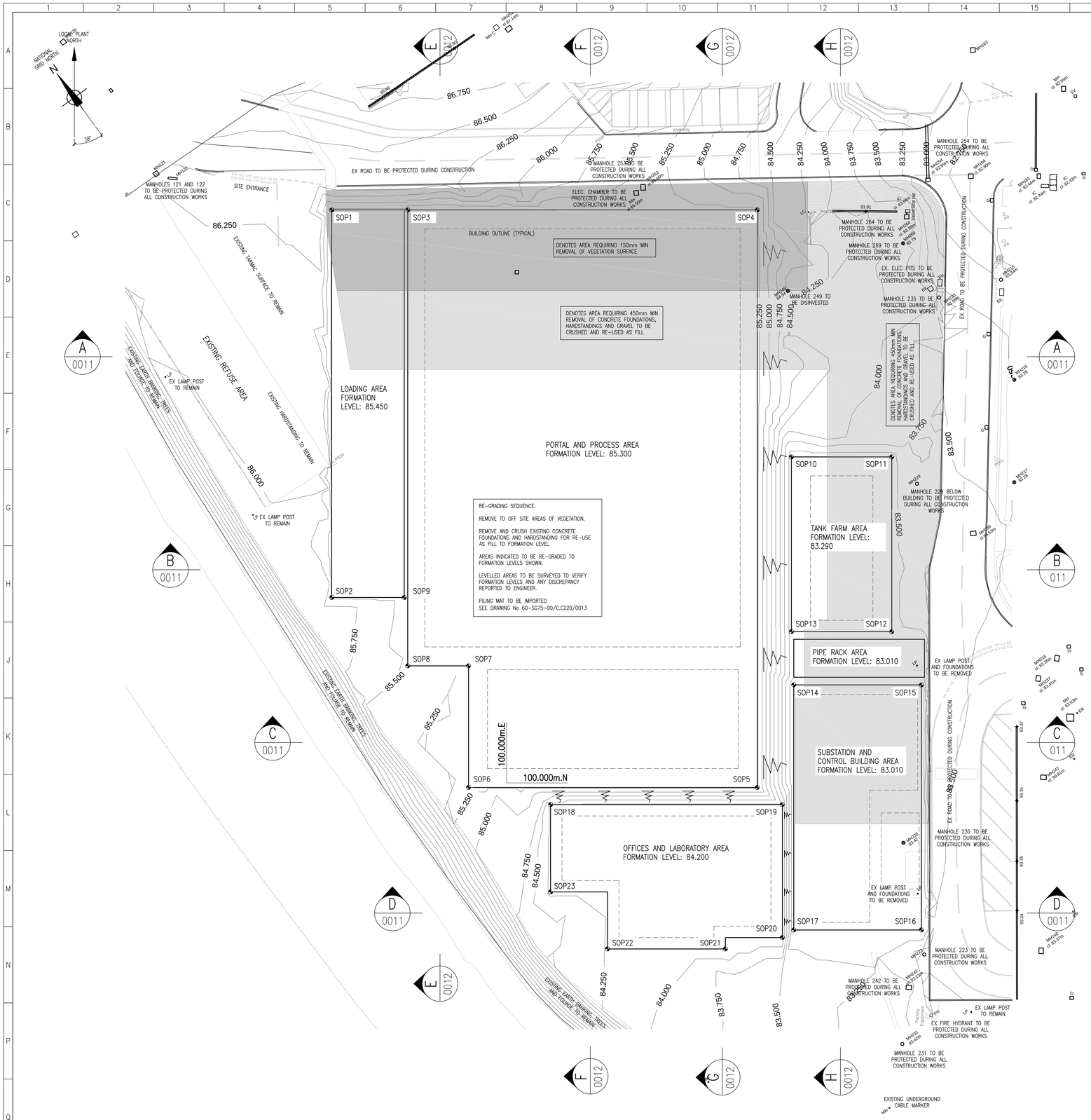

INITIAL SITE REGRADING – SETTING OUT POINTS

SETTING OUT POINT REFERENCE	LOCAL PLANT EASTING (m)	LOCAL PLANT NORTHING (m)
SOP1	77.000	175.400
SOP2	77.000	124.400
SOP3	87.000	175.400
SOP4	133.000	175.400
SOP5	133.000	99.400
SOP6	95.000	99.400
SOP7	95.000	115.400
SOP8	87.000	115.400
SOP9	86.550	124.400
SOP10	137.500	142.900
SOP11	150.700	142.900
SOP12	150.700	119.900
SOP13	137.500	119.900
SOP14	137.800	112.900
SOP15	154.600	112.900
SOP16	154.600	80.650
SOP17	137.800	80.650
SOP18	105.800	97.150
SOP19	136.300	97.150
SOP20	136.300	79.650
SOP21	128.800	78.150
SOP22	113.300	78.150
SOP23	105.800	85.650

CUT / FILL VOLUMES ESTIMATE (CUBIC METRES)

CUT	1357
FILL	1648
SUITABLE IMPORTED FILL REQUIRED	290

DENOTES AREA REQUIRING 150mm MIN REMOVAL OF VEGETATION SURFACE

DENOTES AREA REQUIRING 450mm MIN REMOVAL OF CONCRETE FOUNDATIONS, HAROSTANDINGS AND GRAVEL TO BE CRUSHED AND RE-USED AS FILL

SPECIFICATION FOR FILL MATERIALS

1. ALL TYPE 1 MATERIALS TO BE IN ACCORDANCE WITH SERIES 800 OF THE SPECIFICATION FOR HIGHWAY WORKS FEB 2016.
2. EXCAVATED MATERIAL CLASSED AS 'SUITABLE FOR RE-USE' AS TYPE 1 TO BE STOCKPILED AT AN AGREED LOCATION IN THE VICINITY OF THE WORK AREA.
3. ALL EXCAVATED MATERIAL CLASSED AS 'UNSUITABLE MATERIAL FOR RE-USE' TO BE REMOVED FROM THE WORK AREA TO AN AGREED STOCKPILE AREA WITHIN THE PLANT BOUNDARY. THIS IS TO BE AGREED WITH CONSTRUCTION SUPERVISOR PRIOR TO COMMENCING WORK.
4. 'UNSUITABLE MATERIALS' INCLUDE:
   - MATERIALS IN A FROZEN CONDITION
   - CLAY HAVING A LIQUID LIMIT EXCEEDING 65, WHICH HAS BEEN DETERMINED IN ACCORDANCE WITH BS1377 TEST 4.
   - MATERIAL FOUND TO BE CONTAMINATED AFTER COMPLETION OF CHEMICAL ANALYSIS TESTING.
5. PRIOR TO PLACING FILL MATERIAL AT THE FORMATION SURFACE, THE FORMATION SURFACE IS TO BE THOROUGHLY COMPACTED USING A SMOOTH WHEELED VIBRATORY ROLLER OR EQUAL APPROVED.
6. EXCAVATED MATERIAL CLASSED AS 'SUITABLE FOR RE-USE' TO BE STOCKPILED AT AN AGREED LOCATION IN THE VICINITY OF THE WORK AREA.
7. ALL TYPE 1 (STRUCTURAL FILL) MATERIALS SHALL BE INERT WELL GRADED CRUSHED ROCK MEETING GRADING SPECIFICATION IN TABLE 8/5 OF THE SPECIFICATION FOR HIGHWAY WORKS 1998 SERIES 800. SIEVE TESTS TO BE CARRIED OUT AND DOCUMENTED AT MINIMUM 2 TESTS PER WEEK WITH A MINIMUM OF 1 TEST PER 500 CU.m.
8. THE AMOUNT OF SOLUBLE SULPHATE CONTENT WITHIN FILL MATERIAL SHOULD NOT EXCEED 2.5g/LITRE WHEN TESTED IN ACCORDANCE WITH SECTION 5.0 OF BS1377, PART 3.
9. THE AMOUNT OF SOLUBLE CHLORIDE MATERIAL WITHIN FILL MATERIAL SHOULD BE LIMITED TO LESS THAN 10,000ppm.
10. THE CONTRACTOR WILL REQUIRE TO PROVIDE TEST RESULTS FOR THE FILL MATERIAL INDICATING THE SOLUBLE SULPHATE AND CHLORIDE CONTENTS.
11. THE CONTRACTOR SHALL SUPPLY CONSTRUCTION SUPERVISOR WITH MATERIAL CERTIFICATES WHICH INDICATE THAT THE MATERIALS ARE IN FULL COMPLIANCE WITH THE SPECIFICATION.
12. MATERIAL CERTIFICATES ARE TO BE SUBMITTED A MINIMUM OF TWO WEEKS IN ADVANCE OF THE MATERIALS BEING USED ON SITE.

COMPACTION OF FILL MATERIALS

13. ALL TYPE 1 COMPACTION REQUIREMENTS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS 1998, SERIES 800 EARTHWORKS, WITH PARTICULAR REFERENCE TO CLAUSE 802 AND TABLE 8/4.
14. MATERIALS PLACED SHOULD BE COMPACTED AS SOON AS PRACTICABLE AFTER PLACEMENT.
15. EARTHMOVING EQUIPMENT SHALL NOT BE ACCEPTED AS COMPACTION PLANT.
16. STRUCTURAL BACKFILL SHALL BE PLACED IN CONTROLLED LIFTS NOT EXCEEDING 200mm LOOSE THICKNESS. MOISTURE CONDITION SHOULD BE WITHIN ±10% OF OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION. COMPACTION TO BE 95% MINIMUM OF THE DRY DENSITY AS DETERMINED BY BS1377, PART 4. MOISTURE CONTENT TO BE TESTED AND DOCUMENTED AT MINIMUM 2 TESTS PER WEEK WITH A MINIMUM OF 1 TEST PER 500 CU.m.

TESTING OF COMPACTION WORKS

17. COMPACTED TYPE 1 MATERIAL TO BE TESTED USING THE SAND REPLACEMENT METHOD AS SPECIFIED IN BS 1377:9 1990 PART 2 OR APPROVED EQUAL.
18. A LAYER IS CONSIDERED TO BE NO MORE THAN 300mm (MEASURED BEFORE COMPACTION).
19. 8 No. TESTS ARE REQUIRED PER LAYER SPREAD EVENLY ACROSS THE FILL AREA.
20. TEST REPORTS ARE TO BE PROVIDED TO THE CONSTRUCTION SUPERVISOR.
21. BULK DENSITY OF INSITU MATERIAL SHALL BE NO LESS THAN 95% OF THE DRY DENSITY OF INSITU MATERIAL.

UNDERGROUND SERVICES

22. EXISTING UNMARKED BURIED SERVICES MAY BE EXIST WITHIN THE AREAS OF CUT. AREA TO BE BE CAT SCANNED PRIOR AND DURING EXCAVATIONS. CONSTRUCTION SUPERVISOR TO BE INFORMED IMMEDIATELY SHOULD ANY UNMARKED BURIED SERVICES BE EXPOSED DURING EXCAVATION.

REFERENCE DRAWINGS

0011	ENABLING WORKS SECTION THROUGH SITE LOOKING NORTH
0012	ENABLING WORKS SECTION THROUGH SITE LOOKING WEST
0013	ENABLING WORKS PILING AND WORKING PLATFORMS

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A	RF 19.07.19	– –	JM 19.07.19	– –	– –	– –	ISSUED FOR COMMENT

REVISION	DRAWN BY & DATE	ENGINEERED BY & DATE	CHECKED BY & DATE	METALLURGY BY & DATE	APPROVED BY & DATE	AUTHORISED BY & DATE	ALTERATION

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PROJECT: 16086 DEMO DRY CLITHEROE

TITLE: ENABLING WORKS INITIAL REGRADED SITE PLAN SHOWING SECTION LOCATIONS

CAD NO.: 60-SG75-00-C.C220-0010.dwg

DRG NO.: 16086-??-???-????

REV: A

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