



| LEGEND | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Асфалтен пат / Asphalt road | |
| Земјен пат/ Dirt road | |
| Исохини/ Contours | |
| Цевек прониц/ Pipe culvert | |
| 1. ENTRANCE GATE 2. SECURITY HOUSE 3. WEIGHBRIDGE 4. WHEEL WASHING FACILITY 5. ADMINISTRATION BUILDING 6. PARKING AREA 7. MAINTENANCE BUILDING & WASHING FACILITY 8. WATER TANK 9. ENERGY BUILDING 10. MECHANICAL TREATMENT PLANT 11. Anaerobic Digestion 12. BIOGAS STATION 13. Composting Area for Organic Material C1. Intensive composting C2. Stabilization composting C3. Maturation 14. Composting Area for Green Waste C1a. Material reception C2a. Shredding area C3a. Intensive / Stabilization composting C4a. Maturation C5a. Screening area C6a. Storage 15. PROCESS WATER 16. BIOFILTER - BAGFILTER 17. RECYCLABLE STORAGE 18. WWTP 19. FENCE (SITE'S BOUNDARIES) 20. PLANTING ZONE 21. FIRE PROTECTION ZONE 22. FLARE UNIT FOR LANDFILL GAS | |
| | Dirt Area |
| | Gravel Area |
| | Asphalt Area |

| LEGEND FOR BIOGAS MANAGEMENT WORKS | |
|------------------------------------|---------------------------------------------------------------------------------|
| | BIOGAS EXTRACTION WELL |
| | PIPE FOR THE TRANSPORT OF BIOGAS BETWEEN WELLS |
| | PIPE FOR THE TRANSPORT OF BIOGAS TO THE FLARE |
| | WELL NOMENCLATURE |
| | INDICATIVE PLACEMENT PIPE FOR THE TRANSPORT OF CONDENSATE BACK TO LANDFILL SITE |
| | CONDENSATE TRAP |
| | SUBSTATIONS |
| | SUBSTATION NOMENCLATURE |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|  <div>Instrument for Pre-Accession Assistance of the European Union Operational Programme for Regional Development 2007-2013</div>  | | |
| PROJECT : | Preparation of necessary documents for establishing of an Integrated and Financially Self-sustainable Waste Management System in Pelagonija, Southwest, Vardar and Skopje Regions | |
| CONTRACTING AUTHORITY : | Ministry of Finance-CFCD | |
| REFERENCE No: | EuropeAid/136347/IH/SER/MK | |
| DELIVERABLE : | Environmental Impact Assessment Study | |
| | SOUTHWEST REGION | |
| No | TITLE | DATE |
| 13 | General Layout of biogas management system | OCTOBER 2017 |
| Rev | | SCALE |
| | | 1:1000 |
| CONSULTANT: | A project implemented by ENVIROPLAN S.A. and its consortium partners 23 Perikleous str, 11534 Gerasias/Athens-Greece Tel: +30 210 6105127/8, Fax: +30 2106105136, Email: info@enviropplan.gr <u>Project Office:</u> Sava Kovacevich No. 1/2 - 18, 1000 Skopje, Tel: +389 2 2773487, Fax: +389 2 2273497 | |
| DESIGNED BY: | Georgia Louka, SWM Design/ Procurement expert | |
| CHECKED BY: | Christos Tsompanidis, Team leader | |
| APPROVED BY: | Christos Tsompanidis, Team leader | |
| The project is funded by the European Union | | |