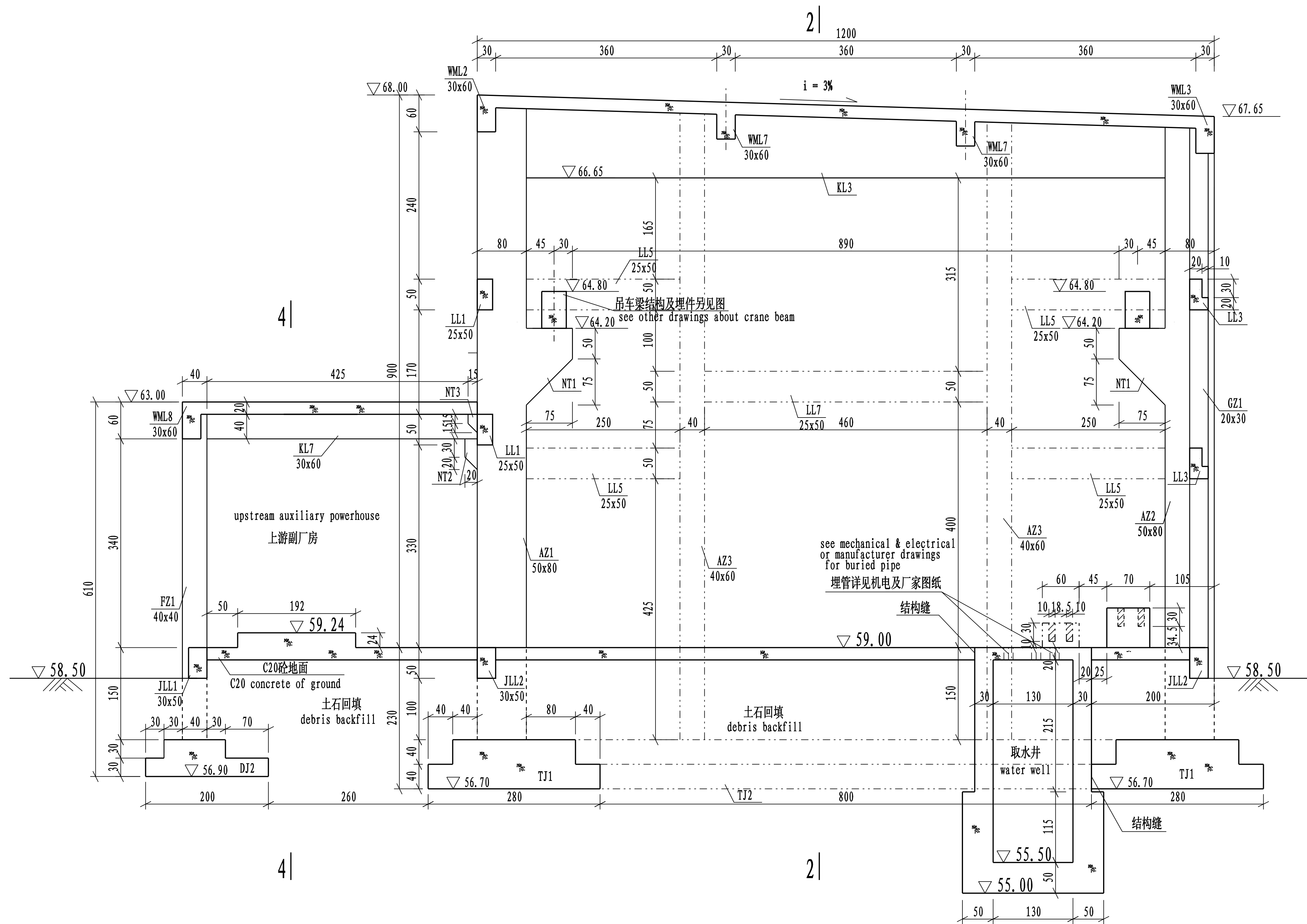
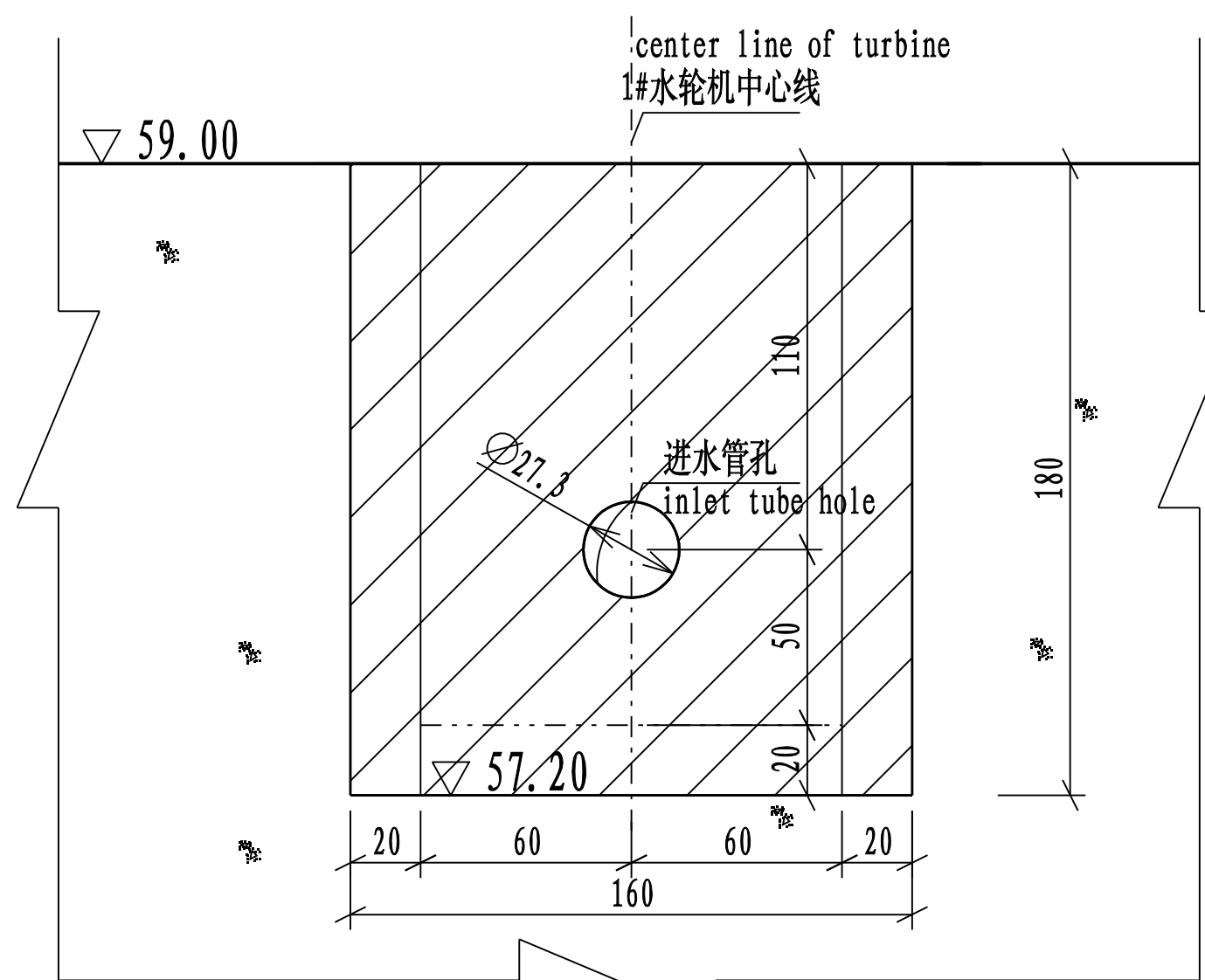


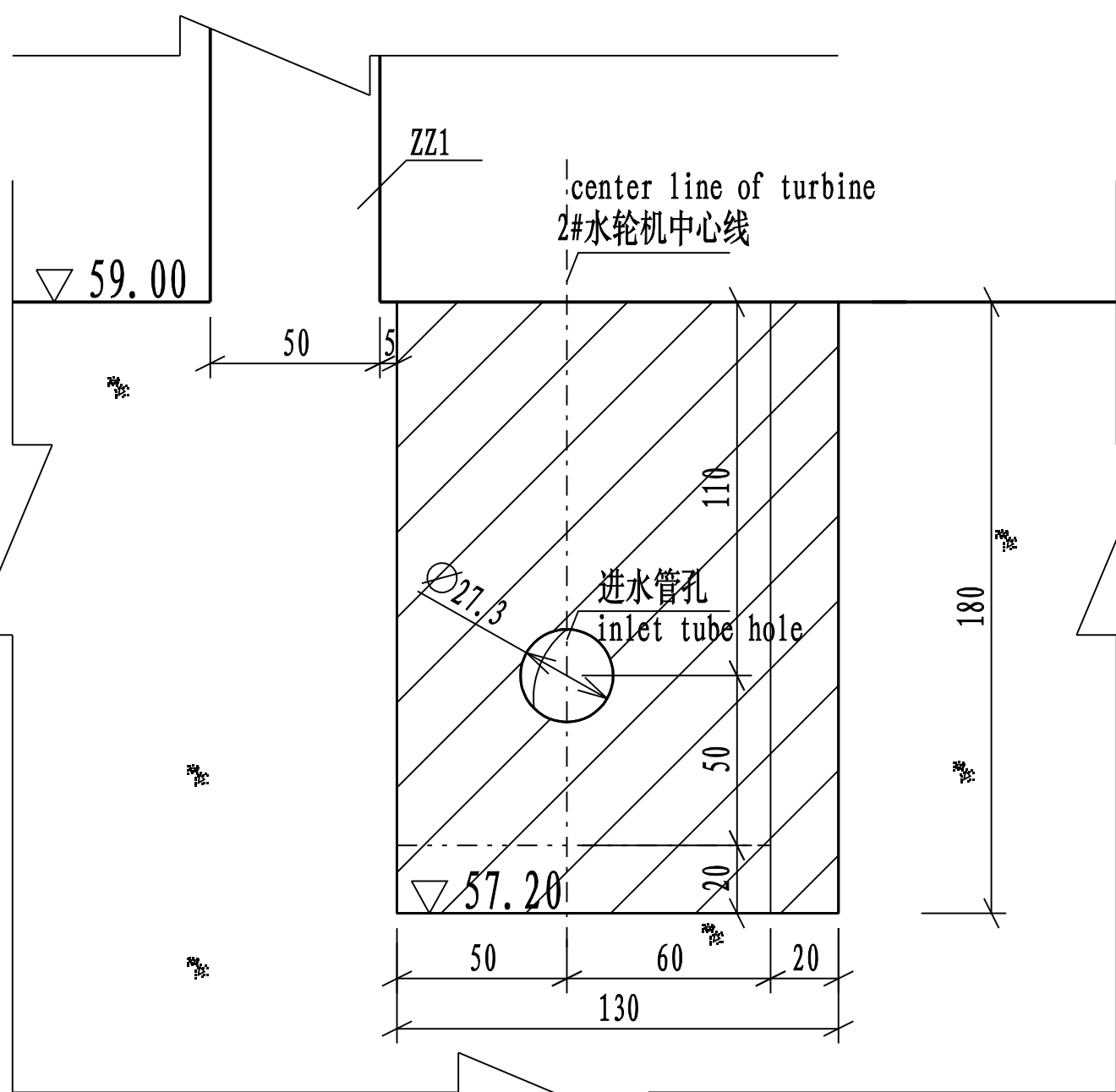
5-5 1:50



D-D 1:25



E-E 1:25



说明: 1、本套图为援斐济索摩摩小水电项目电站厂房结构图,一套共6张,图号为378E63-02-07-01R1~06R1,是根据厂家提供图纸对图378E63-02-07-01~06进行的修改图,两套图不一致之处,以本套图为准。

- NOTE:
- This set of drawings are the structure details of powerhouse of Somosomo Mini Hydro in Fiji. Totally 6 pieces with reference NO.378E63-02-07-01R1~06R1. This set of drawings are modified drawings of drawing NO.378E63-02-07-01~06 based on manufacture drawings. Powerhouse construction should comply with this set of drawings when two set drawings diaccord.
 - 厂房室内地面装饰层厚3cm,所有部位楼板砼应抹平收光,详见图中所示。
 - The decration thickness of powerhouse ground is 3cm. All the plate concrete should be screeding and smoothly. See the details in the drawings.
 - 机组结构分缝宽2cm,机组结构分缝线位于结构分缝正中,其两侧结构均应在分缝线处各减小1cm,结构分缝内填聚已烯闭孔泡沫板 ($\delta = 2\text{cm}$)。
 - The width of structure joint of unit is 2cm. The joint line is in the middle of the joint, with structure of each side decrease by 1cm. The joint is filled with polyethylene sealed hole foam plate ($\delta = 2\text{cm}$).
 - 主副厂房沉降缝宽2cm,缝内用沥青杉板填充,取水井与安装场底板及基础结构间需预留沉降缝。副厂房板梁浇筑前牛腿面铺油毡一道。
 - Settlement joint with width 2cm between main and auxiliary power house is filled by asphalt fir plate. A settlement joint should be reserved between water well and erection bay foundation. A layer of asphalt felt is spreaded on bracket upper surface before auxiliary power house beam and plate pouring.
 - 基础螺栓孔等部位一期砼模板拆除时,必须将孔内凿毛并将残余物清理干净。
 - When templates in 1st stage concrete of bolt holes are removed, concrete in holes should be chiselled rough and residual should be cleaned.
 - 碎石垫层施工应满足以下要求。

- (1)、碎石垫层应级配良好,料径2~4cm,不含植物残体等杂质。
- (2)、粘土回填有机质含量不得超过5%,不得含膨胀土。
- (3)、碎石垫层底部设20cm砂垫层,防止土层表面局部破坏。
- (4)、压实系数0.95,垫层承载力特征值大于160kpa。
- (5)、垫层分层铺设厚度一般取20~30cm。
- (6)、垫层土料施工含水量宜控制在最优含水量 $W_{op}+2\%$ 范围。
- (7)、垫层施工质量检验必须分层进行,应在每层的压实系数符合设计要求后铺设上层土。

6. The gravel cushion of anchorage block area should follow these requirements:
 - (1)The grading of gravel cushion should be good, dimensions are 2cm~4cm, without impurity like dead plant parts, etc.
 - (2) The content of organic matter of backfilled clay should be no more than 5%, not including expansive soil.
 - (3) 20cm sand cushion should be set on the bottom of gravel cushion in order to prevent local damage of soil surface.
 - (4) Compacting factor is 0.95, characteristic value of cushion bearing capacity should be more than 160kpa.
 - (5) Delamination width of cushion layers are 20~30cm generally.
 - (6) The construction water content of soil cushion layer should be controled in the scale of optimum water content $W_{op}+2\%$.

- (7) The check of cushion construction quality must be done layer by layer. The uplayer soil should be laying after compacting factor of every layer conform the design requirements.
- 7、垫层施工前应按所选用的施工机械、换填材料及场地的土质条件进行现场试验,以确定相应施工参数。
7. Before the construction of cushion, the test of construction machine, replace materials and soil conditions should be done on site to decide the construction parameters.
- 8、垫层底面深度不同时,按先深后浅的顺序进行垫层施工,搭接处应夯实。
8. If the depth of cushion bottom are different, the construction should follow the principle of "first deep then shallow", overlap joint should be tamping.
- 9、钢爬梯刷防锈漆二道,灰色漆二道。
9. Anti-rust paint of steel ladder stand should be done twice, stone color paint should be done twice.
- 10、图中钢格栅选用<中华人民共和国黑色冶金行业标准, YB/T 4001-1998>中的G323/30/100,荷载按150kg考虑。
10. The steel grid in this drawing is G323/30/100, it is chosed according to the standard of YB/T 4001-1998. The load is 150kg.

- 11、水轮机、发电机、取水井等机电设备及其埋件详见机电专业相关图纸。埋管详见厂家及机电专业图纸。
11. The embedded parts of turbine, generators and water well equipments are in the drawings of mechanical and electricity major.
- 12、压力钢管进厂房处止推环及埋件详见金结专业图纸。止推环二期砼施工前应将一期砼表面凿毛。
- 12.The thrust collar of penstock and embedded parts are in metal structure drawings. 1st stage concrete surface should be chiselled rough before 2nd stage concrete of thrust collar of penstock be pouring.
- 13、本套图中所有栏杆、砖墙(含构造柱和拉锚钢筋)、女儿墙、建筑装饰设计详见建筑专业图纸。
13. The handrail, brickwall(including constructional column and cat anchor reinforcements), parapet and decoration designing are all in the drawings of architecture.

- 14、坐标、桩号及高程以米计,埋管、开孔及钢筋直径以毫米计,结构尺寸以厘米计。
14. Coordinates, stakes and elevations are in meters, diameter of embedded pipes, holes and reinforcements are in mm, dimensions are in cm.

工程量表
QUANTITY LIST

项 目	ITEMS	规格 TYPE	单位 UNIT	数量 QUANTITY	备注 REMARKS
一期砼	1st stage concrete	C ₂₅ 二 F50 W6	m ³	814.9	
二期砼	2nd stage concrete	C ₂₅ 二 F50 W6	m ³	11.3	
垫层砼	cusion layer		m ³	78.46	
一期砼	1st stage concrete	C ₃₀ 一F50 W6	m ³	261.73	板梁柱等上部结构 upper structure(plate,beam,column)
钢爬梯	steel ladder stand	∠25	t	0.258	
钢格栅	steel grid	G323/30/100	t	1.21	
砖墙	brick wall	M7.5砂浆砌M20砖墙 M7.5 mortar to mako M20 brick wall	m ³	175.68	

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核准	APPROVED		援斐济索摩摩小水电项目 Somosomo Mini Hydro in Fiji	施工详图 设计 CONSTRUCTION DESIGN
核定	VEREFIED			水工 部分 HYDROTECHNICS SECTION
审查	EXAMINED	李 宁		
校核	CHECKED	李 昆		
设计	DESIGNED	杨志明		
制图	DRAWN			
日期	DATE	2015. 1	比例 SCALE	如图
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