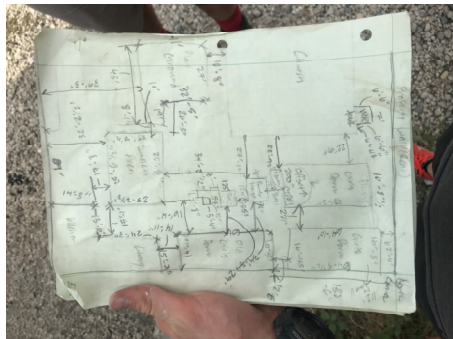


Good Rest Orphanage: Site Plans and Flatwork Design



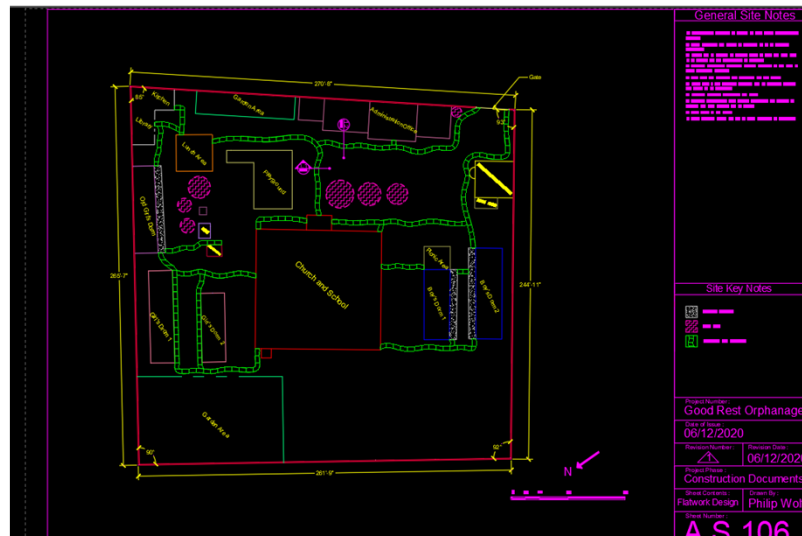
Site plans are an essential tool for any building owner or homeowner. They provide the resident or owner with important information about their property including: the size of existing structures, property line limits, space for new construction, total square footage, or acreage, etc. In many developing countries site plans are very difficult to come by, making reconstruction or new construction or renovation efforts much more difficult to plan or estimate. With a lack of technology and resources creating site plans are often not prioritized creating problems for future owners or construction. Good Rest Orphanage, located in Croix Des Bouquets, Haiti, has been supported by Children's Heritage Foundation (CHF) for the last 20 years. CHF has worked hard to bring the orphanage to proper working and livable conditions since the earthquake in 2010, and is in need of basic site plans for future projects, a basic flatwork system design and estimate to bring Good Rest "out of the mud."

Key Words: Site Plans, AutoCAD, Flatwork, Haiti, Good Rest Orphanage

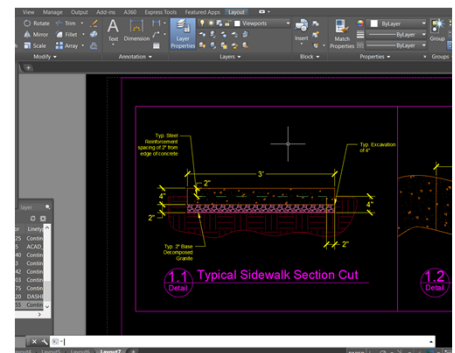


In field measurements being taken and recorded on initial draft.

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Construction Management Spring 2020



This rendering displays the completed site plan drawing with the flatwork design included.



Flatwork Estimate									
Total Cost of Construction: \$ 2,200.00									
Item	Quantity	Unit	Notes	Estimated	Actual	Unit Price	Total	Notes	Unit Price
1. Concrete	120	sq yd	4" thick concrete	120	120	\$ 18.00	\$ 2,160.00	120 sq yd of concrete	\$ 18.00
2. Gravel	120	cu yd	4" thick gravel	120	120	\$ 15.00	\$ 1,800.00	120 cu yd of gravel	\$ 15.00
3. Sand	120	cu yd	4" thick sand	120	120	\$ 15.00	\$ 1,800.00	120 cu yd of sand	\$ 15.00
4. Rebar	120	lb	4" thick rebar	120	120	\$ 15.00	\$ 1,800.00	120 lb of rebar	\$ 15.00
5. Formwork	120	sq ft	4" thick formwork	120	120	\$ 15.00	\$ 1,800.00	120 sq ft of formwork	\$ 15.00
6. Equipment	120	hr	4" thick equipment	120	120	\$ 15.00	\$ 1,800.00	120 hr of equipment	\$ 15.00
7. Delivery Costs	120	hr	4" thick delivery costs	120	120	\$ 15.00	\$ 1,800.00	120 hr of delivery costs	\$ 15.00
8. Labor	120	hr	4" thick labor	120	120	\$ 15.00	\$ 1,800.00	120 hr of labor	\$ 15.00
9. Materials	120	hr	4" thick materials	120	120	\$ 15.00	\$ 1,800.00	120 hr of materials	\$ 15.00
10. Other	120	hr	4" thick other	120	120	\$ 15.00	\$ 1,800.00	120 hr of other	\$ 15.00

Sidewalk details and estimate are shown above.