

Geyserville Downtown Park

Project Tasks, Labor And Materials

updated 12/21/2011

Demolition and site preparation:

Clean up site...

tasks

- remove all debris and garbage from lot
- remove all weeds and plant material
- pull down old light pole...recycle

labor and materials

- small crew of three for one day of clean up
- truck for haul off of debris and light pole

Storm drain inspection and cleaning...

tasks

- clean out and verify operation of storm drain in corner of property

labor and materials

- one man for one day to clean out and verify operation of storm drain
- additional needs tbd at site

Site clean-up management issues...

tasks

- flag off and protect all inspection wells
- add protective dust covers during construction
- flag off storage tank

labor and materials

- one man for half day to flag and cover wells, and flag off tank
- stakes and flagging materials

Protective barrier at property perimeter...

tasks

- remove unwanted section of 'post and chain' perimeter barrier for park entry
- straighten posts of 'post and chain' perimeter barrier as required
- fill in missing section of barrier with parts removed

labor and materials

- two men for one day to complete tasks
- cut off saw
- chains/straps for straightening posts in ground
- concrete ready mix for setting of post

Utilities...

tasks

- access existing water main and add water meter or shut off valve
- provide short term power from pole or 10 power hook up on dedicated breaker
- provide long term power to run lighting and irrigation controller

labor and materials

- one man for one day to complete water issues

- one man for one day to complete electrical issues
- water meter or shut off valve at water mainline to property
- temp. panel from PG&E or power run to boxes from adjoining buildings
- temp. power box for project construction
- misc. electrical parts and conduit for permanent exterior boxes and outlets

Complete site preparation of adjoining Post Office building

tasks

- review improvement possibilities on block building windows / walls with owner
- review improvement possibilities for wood wall at rear of storage tank
- complete improvements on these as required

labor and materials

- manpower and materials tbd after review with Post Office property owner

Grading and excavation work:

Excavate for all work...

tasks

- grading and excavation for river area...relocate dirt in planting areas
- excavation for pathways and sitting areas...relocate dirt in planting areas
- locate and dig tree planting holes...relocate dirt in planting areas

labor and materials

- small excavator (Kobelco 30SR or equivalent) with operator one day

Dirt hauling and distribution...

tasks

- move in of clean dirt fill for planting areas and tree excavations

labor and materials

- small dump truck or ten wheeler with operator for one to two days
- small skid steer or tracked hauler for dirt distribution at site
- 30 yards of clean fill for planting areas

Rough grading...

tasks

- finish grading after all boulder work and underground work completed

labor and materials

- small excavator with operator one day
- tracked loader or skid steer with operator for one day

River detailing and construction:

Setting of primary boulders and rockwork...

tasks

- complete all boulder and rock work

labor and materials

- collect large boulders for river area, and move onto site
- collect all small rockwork for river area, and move onto site
- collect all gravel for river area, and stockpile for end of project
- set large boulders (up to two ton)
- set smaller rock and stones
- set large boulders

- Loader, mid size excavator, or backhoe with operator two days...days 1 and 2
- small tracked loader or skid steer with operator for two days...days 3 and 4
- two workers on the ground for all four days
- chains and straps

River details and found objects...

tasks

- collect large tree trunks and broken stumps
- collect small branches, snags and other natural objects
- collect a single man-made object from the river for educational purposes

labor and materials

- set all elements
- install large items during boulder work
- install all details with labor by hand during and after smaller rock placement
- two workers for one day

Art pieces:

Develop art pieces for the project...

tasks

- collect all raw materials needed for the art elements
- fabricate 'Geysers in the Hills' sections for corner and install
- fabricate 'Gateway to the Wine Country' for garden entry and install
- fabricate 'Russian River Steelhead' display fish and install

labor and materials

- sheet steel as per drawings
- sheet stainless as per drawings
- molds and masters for the steelhead fish elements
- two teams of welders for the 'Geysers' and the 'Gateway' elements
- materials for steelhead to be determined
- team of three workers to install concrete pads for elements
- 6 to 8 yards of concrete mix
- installation team of six workers and equipment to install these elements

Site utilities and underground:

Complete all underground as required for project...

tasks

- develop sub-surface drainage for river bed
- add area drains in pathways for collection of run-off
- re-install water meter to mainline
- add water main to planting beds, install control valves and hose bibs
- review electrical needs for lighting and irrigation controller
- install sub-surface drain lines for river bed area
- install tight line drain system for area drains at pathways

labor and materials

- materials for irrigation and drainage as per drawings
- labor to install drainage three workers with small excavator two days
- labor to install primary irrigation two workers with small trencher four days

Trees and specialized plantings:

General soil preparation...

tasks

- bring in clean fill for planting berms and tree excavation backfill
- amend soil in berms
- amend soil for backfill at trees

labor and materials

- three worker three days for finish grading and detailing
- tiller and wheel barrows
- 20 yards of organic compost

Installation of trees and other plantings...

tasks

- collect all trees
- install trees at locations
- add required drip irrigation
- protection and staking if required

Plantings in garden areas...

tasks

- collect all planting materials
- install garden plantings and groundcovers
- add required drip irrigation

Plantings in river areas...

tasks

- collect all planting materials
- native plantings for site replication
- additional grasses and detail plantings for illusion of water
- add required drip irrigation

labor and materials for all three sections above

- tag all trees and plant materials at nurseries as per planting list
- 30 yards of mulch for finish beds
- plant large trees with equipment when setting boulders
- install plant material with crew of 4 workers for four days
- install drip irrigation with crew of three workers for four days
- finish grading and mulching crew of two workers for four days
- planting bed detailing with crew of three workers for two days

Finishing details for completion:

Completion of river area...

tasks

- install fish as required
- add informational panels
- add river bed details and final gravels

Completion of garden pathways...

tasks

- complete installation of stepping stones and entry stone at gate

- add final finish materials to garden pathways
- install garden benches at locations
- add garden lighting if included in project
- add informational panels

Completion of garden planting beds...

tasks

- complete irrigation controller install and programming
- add informational panels
- detail out plantings

labor and materials for all three sections above

- design and fabrication of informational plaques as per plans
- install plaques throughout site with two workers two days
- 6 tons flag style stone for pathways
- one ton 'entry stone' at gate
- install all path stones with crew of three workers for two days
- 15 to 20 tons base rock
- pallet of ready mix concrete
- 10 tons of crushed gold fines
- 7 garden benches
- hardware for attaching benches to concrete
- low voltage light fixtures, direct burial wire and transformers as per plan
- install crew of three for three days to install 'entry stone' and stone pathways
- install crew of three for two days to install base rock and fines for pathways
- install crew of three for two days to install low voltage lighting
- install crew of three for one day to install benches