ENVIRONMENTAL MODIFICATIONS AND THE SCOPE OF WORK

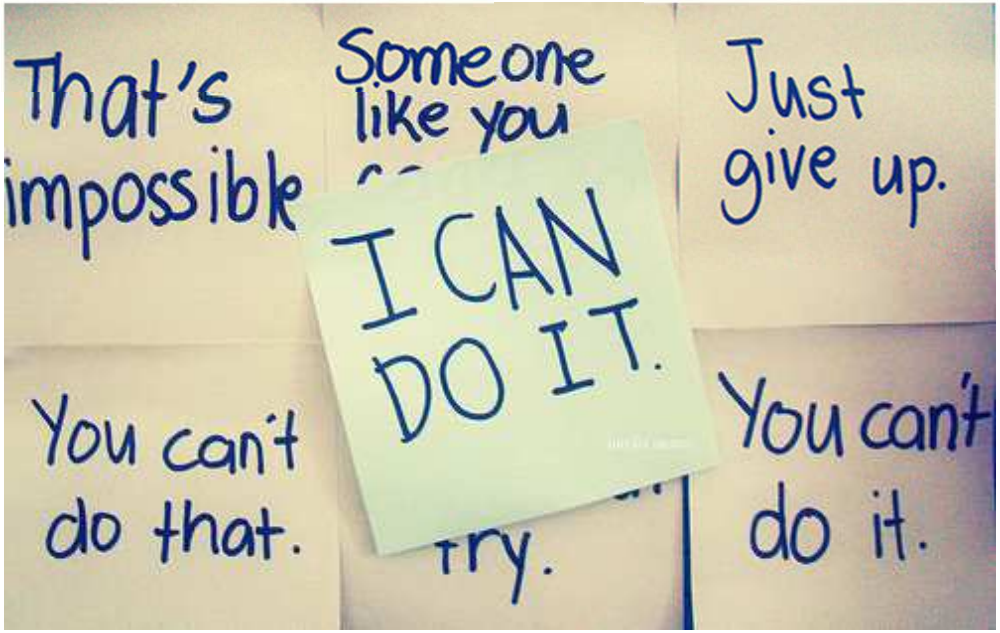
Heber Nelson, Warren Pendergast, Michael Harmon

Introductions

environment
Basic
identification
work
legislatively
Ergonomic
KG
Administrative
Needs
operation
On-site
Administation
particular
Client
PICS
map
safe
compliance
Assessments
ISNetworld
company
start
COR
Worker
Hygiene
Review
Safety
Requirements
applies
Division
road
completion
Complyworks
Shop/Warehouse
healthy
Program
compliant
workers
include
requirements
Assessment
companies
provide
specific
Training
Policy
Audit
Claims
Industrial
Health
Legislation
set well
Outline
WCM
safer
workplace
Management
assist
Procedures
must
Services
develop
become

Increase Independence

Decrease Need for Human Assistance



MODIFICATIONS AND MATERIALS

ENVIRONMENTAL MODIFICATIONS

RAMPS

ENVIRONMENTAL

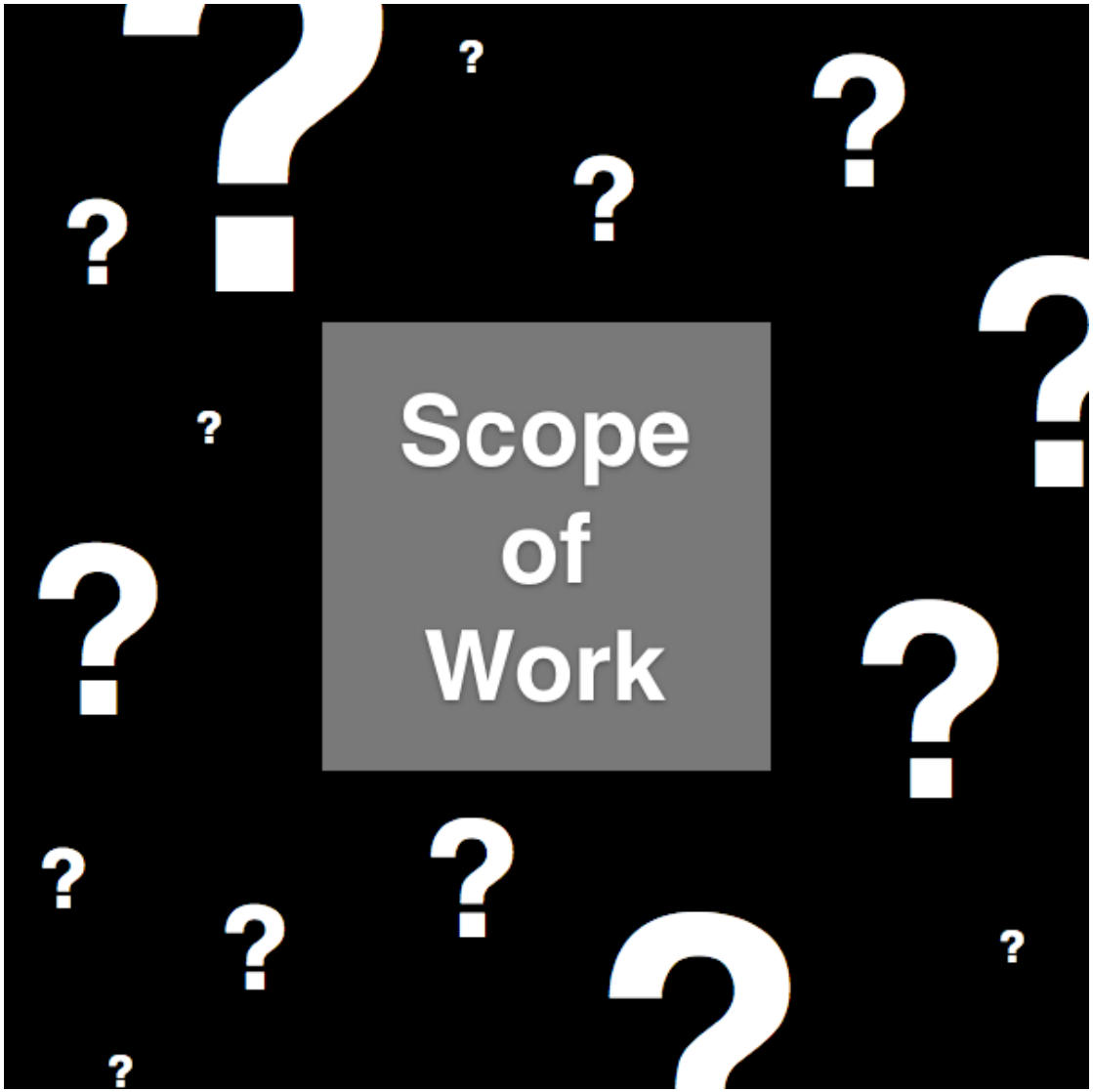
MODIFICATIONS

FENCING

MATERIALS

WALKING PATHS

The Right Materials


Scope
of
Work

Scope of Work
Fence Example

ODDS Housing Scope of Work Project # _____ Prime # _____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

Scope Details: **Fence in and create a useable yard for _____.**

- **Remove and recycle/dispose of existing fence. (If applicable)**
- **All posts and framing members to be of pressure treated wood.**
- **There will be three fence rails equally spaced apart and attached to the 4x4 posts.**
- **Install a 6 foot fence with 1x6 cedar fencing boards on the inside of yard solid to create a "no-climb" feature. (For a client with elopement issues)**
- **The gate, please fabricate with an Everbilt (or equal) anti-sag gate kit.**
- **Use 1 ¾ inch galvanized screws to secure the cedar fencing boards.**
- **No fencing to be attached to house structure.**

NOTE 1: Homeowner will be responsible for any paint/staining for the new fencing. All line and corner posts must be set 24 inches deep (minimum) holes.

NOTE 2: This scope does not include 1x6 boards on the outside of this fence.

NOTE 3: Approximately 176 feet of fence and one 3 foot gate.

NOTE 4: If there is an existing privacy fence posts then offset the new posts from the existing posts.

NOTE 5: Bid must include removal and disposal or recycle of old fencing.

**** If the client does not have elopement issues, then the 1 x 6 cedar boards will be on the outside of the fence. ****

Family Sign off:_____ Date: _____

* **Family signature indicates the family is in agreement with the above Scope of Work**
* **If multiple pages are used for the Scope of Work, family signature required on last page only**

Sketch out the layout of the property where the fencing is to be installed

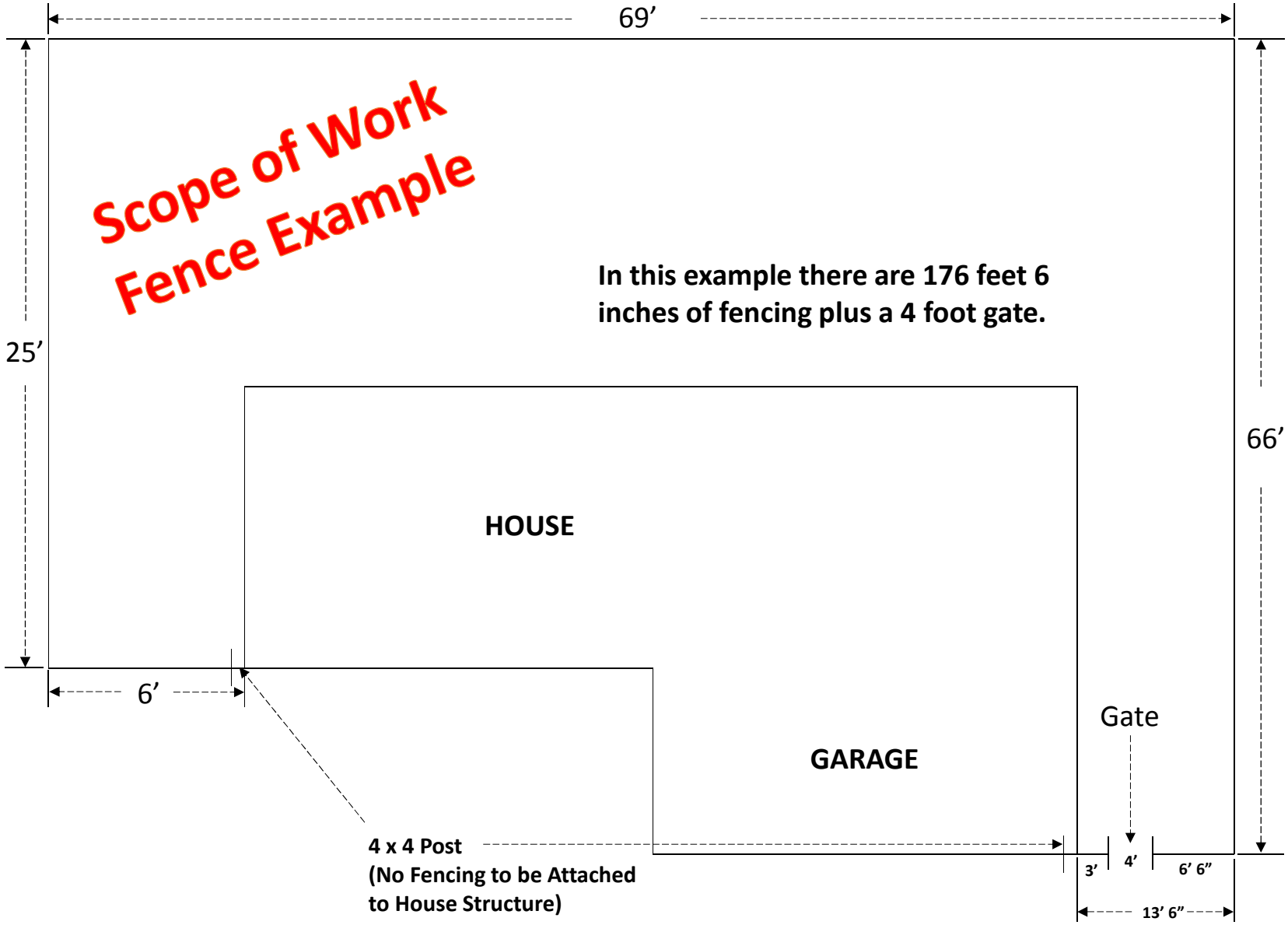
Next measure the straight line fence runs and add them to the sketch

There can be a maximum of 2 gates only, 4ft wide

Place location of Gate(s) on the sketch

The length approved is 200 feet, case by case basis for all fences over this length

** Only Backyard Fences Are Typically Approved **



Client Address Here

Scope of Work
Ramp Example

ODDS Housing Scope of Work Project # _____ Prime # _____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

Scope Details: Provide a safe method of ingress and egress to the residence for _____.

1. **Remove the 2 existing ramps and landing and recycle/dispose of as necessary.**
2. **Remove the existing front porch and the two sets of steps leading to the front porch and recycle/dispose of as necessary.**
3. **Construct a 10' x 10' front porch with railing (See proposed diagram). Construct the set of steps same size and location as depicted in the proposed diagram.**
4. **Construct a wheelchair ramp with wheel-stop barrier and hand rails (extending out one foot at the end of the ramp) beginning at the front porch and continuing 30 feet forward (See proposed diagram). The width of the ramp is to be 48" across, total.**
5. **At the end of the ramp construct a 4' x 5' landing out of concrete or asphalt.**
6. **Construct guardrails, on both sides of the ramp. Handrails are to be no bigger than 1 ½" in diameter and no smaller than 1 ¼" in diameter and should extend 1' past the end of the ramp. 36" minimum distance between handrails.**
7. **All framing members must be pressure-treated (PT) lumber.**

   a. **Posts must be set in concrete and 24' deep minimum**

   b. **All hardware and fasteners must be exterior grade and those that come into contact with PT lumber must be PT-appropriate (3-dip galvanized or stainless steel). Stainless steel hardware must not contact any galvanized hardware.**

   c. **Ramp and landing decking must be 2x4 cedar or fir #1 no knots, installed rail to rail with spacing between boards or ¾" marine-grade plywood. And a non-slip polymer coating such as *Ultra-Tuff Marine UT-100F*, or *Eco-Tuff Rubberized Non Skid Coating*, or equivalent, must be applied to all ramp and landing deck panels.**

   (Note that DHS does not allow acrylic-latex based products, sanded paint, roll roofing, carpeting or other fabric, synthetic deck-board or standard DF decking.)

Family Sign off:_____ Date: _____

* **Family signature indicates the family is in agreement with the above Scope of Work**

* **If multiple pages are used for the Scope of Work, family signature required on last page only**

SAMPLE
SAMPLE
SAMPLE

Scope of Work
Ramp Example

ODDS Housing Scope of Work Project # _____ Prime # _____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

***IMPORTANT: All non-slip polymer coatings must be applied in warm, dry conditions. During periods of wet or cold weather, the marine plywood panels must be cut to shape and then the coating must be applied in an indoor environment. Once the coating is cured, the panels may be installed on the ramp frame.**

8. Railings: All ramps and landings, regardless of height or material, must include a wood framed guardrail that includes a handrail 36" in height.

- **a. Top rail: The top rail of guardrails, which may come into human contact, must be tight-knot cedar or redwood.**
- **b. Balusters: Wood framed guardrails must include balusters, 5½" on-center. If mounted on the exterior surface of the framing, balusters must be 2x2 cedar or redwood with 45º bevel-cut at both ends.**
- **c. Wheel-stop barrier: Guardrails must include a continuous wheel-stop barrier rail, to prevent assistive devices (canes, walkers or wheelchairs) from leaving the walking surface.**
  - **i. For wood ramps, a wheel-stop rail can be added to the guardrail framing.**
- **d. Wheel-stop gap: The gap below the wheel-stop barrier must be 2" to 3½", to allow debris to be swept or blown from the walking surface but low enough to prevent trapping of lead wheelchair wheels.**
- **e. Handrails: All sloped-section guardrails must include a handrail.**
  - **i. The preferred solution is a combined top rail and handrail, using a vertically mounted, tight-knot cedar or redwood 2x6, milled or routed to form a grippable handrail. (See illustration on next slide.)**

Family Sign off:_____ Date: _____

*** Family signature indicates the family is in agreement with the above Scope of Work**

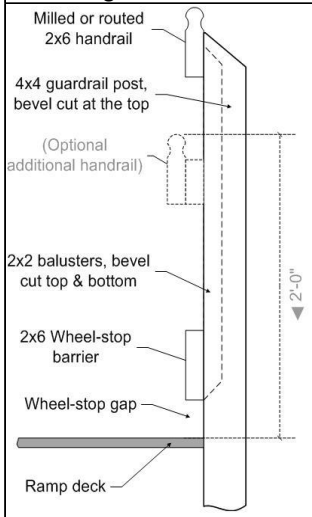
*** If multiple pages are used for the Scope of Work, family signature required on last page only**

SAMPLE SAMPLE SAMPLE

Scope of Work
Ramp Example

ODDS Housing Scope of Work Project # _____ Prime # _____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.		**Phone:** Click here to enter text.
Housing Specialist: Click here to enter text.		**Phone:** Click here to enter text.
CDDP Contact: Click here to enter text.		**Phone:** Click here to enter text.
Brokerage Contact: Click here to enter text.		**Phone:** Click here to enter text.



i. **The top of the handrail must be 36" above the ramp, measured vertically from the walking surface.**

ii. **The clear space between the handrail and any adjacent wall or structural surface must be a minimum of 1½".**

iii. **Handrails must extend 6" beyond both the top and bottom end of all sloped sections, except where pedestrian or wheeled traffic might turn into them, such as inside-turn corners.**

iv. **Ends of handrails must be either rounded or returned smoothly to floor, wall, or post.**

Pavement transition: If the bottom end of a wood ramp must rest on top of pre-existent pavement, then the ¾ in. transition from the ramp deck surface to the pavement surface is to be filled with a ¾ in. rubber transition ramp such as those available from Safepath (http://www.safepathproducts.com/ezedge.html), or equivalent. Note that the "length" (in the direction of travel) of the transition ramp segment is to be included in the overall ramp length, not additional to it.

(When using Safepath products, please note the difference between the product "Width" (total width) and the "Ramp Surface" (usable width), and plan accordingly.)

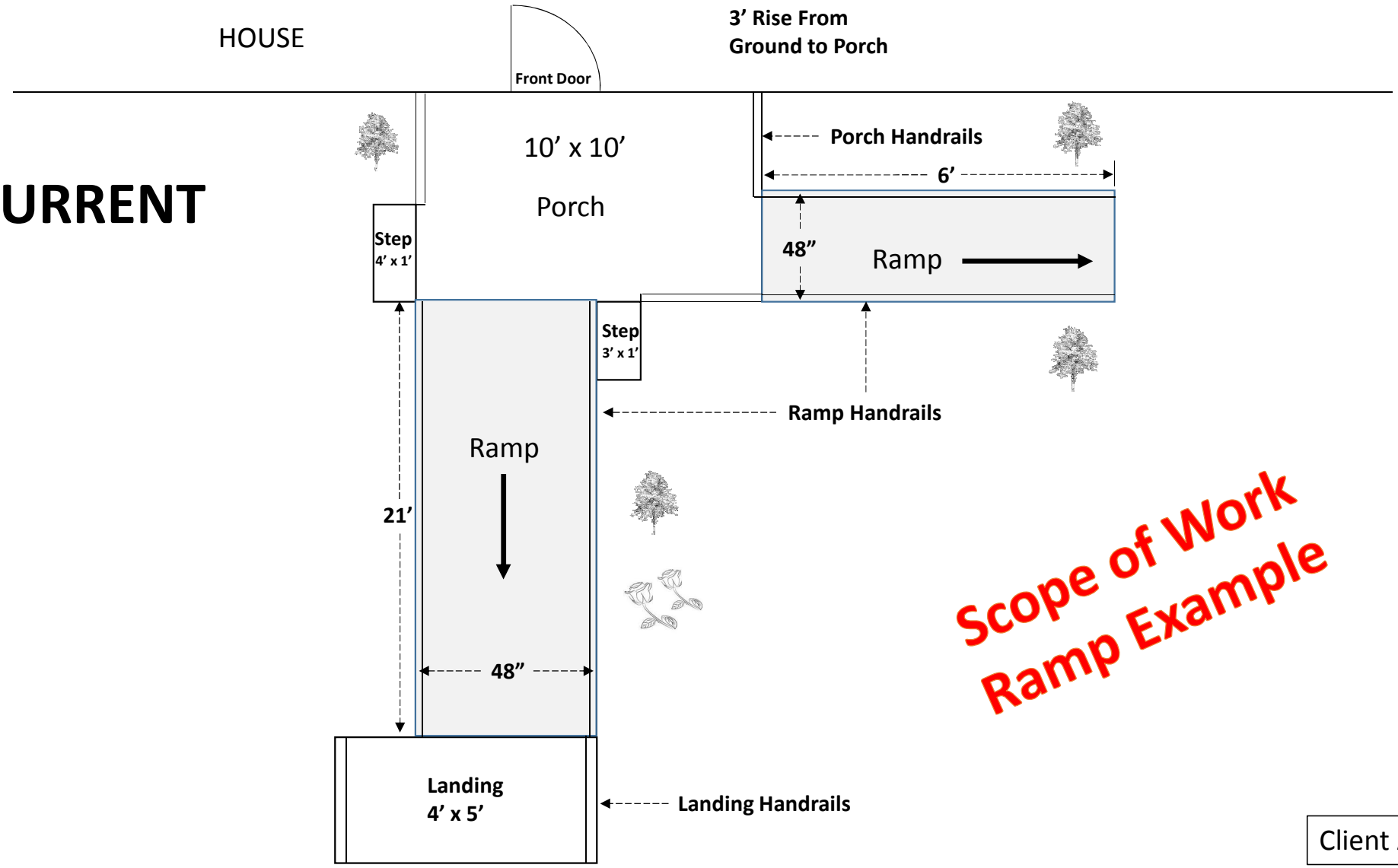
Family Sign off:_____ Date: _____

*** Family signature indicates the family is in agreement with the above Scope of Work**

*** If multiple pages are used for the Scope of Work, family signature required on last page only**

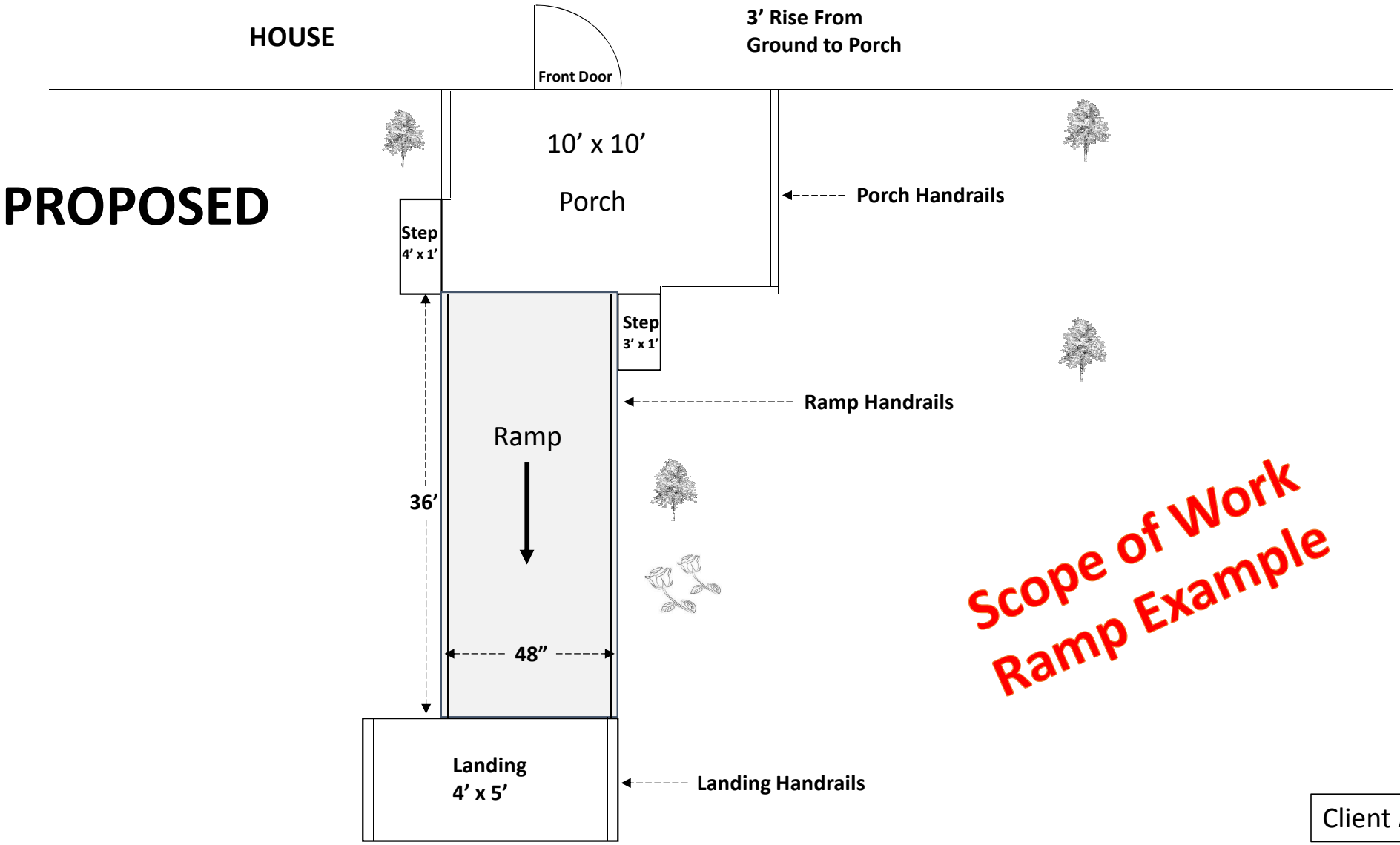
SAMPLE SAMPLE SAMPLE

CURRENT



Scope of Work
Ramp Example

Client Address



Scope of Work
Ramp Example

Client Address

Scope of Work
Bathroom Example

ODDS Housing Scope of Work Project # ____ Prime # ____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

Scope Details: Goals are to create a safe, more functional and useable bathroom for _____

Bathroom Modifications

- **Remove existing tub and keep per owner.**
- **Relocate the new shower head plumbing to 72" on the wall to support a hand held shower. Refer to diagram.**
- **Remove stub wall (shelf) located at the back of the tub. Dispose of drywall and studs. This should now be flush with the back wall.**
- **Remove sink and vanity and dispose of per home owner's direction.**
- **Remove mirror over the sink and save it for relocation over the new wall hung sink.**
- **Remove the toilet and save for re-installation.**
- **Remove the medicine cabinet and save for reinstallation.**
- **Replace the standard outlet on the wall near the old sink with a GFCI outlet.**
- **Relocate plumbing for the toilet to where the sink used to be.**
- **Relocate plumbing for the sink to where the toilet used to be.**
- **Install new ½" Ultralight mold and moisture resistant drywall (or equal) on all walls where studs are exposed.**

http://www.homedepot.com/p/SHEETROCK-Brand-UltraLight-Mold-Tough-1-2-in-x-4-ft-x-8-ft-Gypsum-Board-14302111708/203768542

- **Remove existing vent fan and dispose of.**
- **Provide secure backing in the walls where the 2 grab bars depicted on the proposed bathroom layout diagram will be located.**

Family Sign off:_____ Date: _____

*** Family signature indicates the family is in agreement with the above Scope of Work**

*** If multiple pages are used for the Scope of Work, family signature required on last page only**

SAMPLE SAMPLE SAMPLE

Scope of Work
Bathroom Example

ODDS Housing Scope of Work Project # ____ Prime # ____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

- **Install Altro Aquarius, Armstrong or Corlon (or equal) slip resistant sheet vinyl flooring. Color by owner.**

http://www.altrofloors.com/Altro-Aquarius

- **Install a Tuff form (or equal) shower base 34" x 66".**
- **Finish wall protection for sides and back of shower to be of Cultured Marble slabs (or equal). Color by owner. These panels start at the lip of the sure form roll in shower basin and continue to the ceiling. Extend past the shower approximately 15" on both sides to protect wall from floor to ceiling.**

http://custommarblepdx.com/products.html

- **Install two integral corner shampoo shelves location by owner.**
- **Install cultured marble around the inside of the window and the sill and caulk with a high quality caulk.**

Note: Care must be taken to waterproof the vinyl to shower base transition with a high quality silicone caulking to ensure the seam is waterproof.

- **Install a continuous collapsible water dam entire front of shower base.**

https://hdsupplysolutions.com/shop/p/swan-collapsible-shower-floor-water-barrier-p680072?gclid=Cj0KEQjwo_y4BRD0nMnfoqqnxtEBEiQAWdA121o5akibdK2x8bSaOsMk43YZur38eW1LtW8LdoB0jTYaAorC8P8HAQ

- **Replace shower rod with a curved "Bow" style rod and install a weighted curtain for better water control such as Moen TR100 (or equal).**

http://www.bedbathandbeyond.com/store/product/moen-reg-adjustable-curved-brushed-nickel-shower-rod/1015043989

Family Sign off:_____ Date: _____

*** Family signature indicates the family is in agreement with the above Scope of Work**

*** If multiple pages are used for the Scope of Work, family signature required on last page only**

Scope of Work
Bathroom Example

ODDS Housing Scope of Work Project # ____ Prime # ____

Date: Click here to enter text.	**Family Name:** Click here to enter text.	**Phone:** Click here to enter text.
Address: Click here to enter text.	**Phone:** Click here to enter text.	
Housing Specialist: Click here to enter text.	**Phone:** Click here to enter text.	
CDDP Contact: Click here to enter text.	**Phone:** Click here to enter text.	
Brokerage Contact: Click here to enter text.	**Phone:** Click here to enter text.	

- **Install a Panasonic Whisperwarm Model # FV-11VHL2 (Or equal) vent fan combo unit.**

Note: Please ensure shower rod is securely attached to both side walls.

- **Install a Handheld Shower system Moen 8343 (or equal)**

http://www.faucet.com/moen-8343-chrome-posi-temp-pressure-balanced-tub-and-shower-trim-with-shower-head-hand-shower-slide-bar-and-tub/f107457?source=msn_pl_Moen%20+8343_4536127954&s_kwcid=AL!4319!10!4536127954!20629778560&ef_id=Vaa@FwAAAawYICRf:20150717212301:s

Note: Install new wax ring when installing toilet bowl.

- **Reinstall toilet with bowl facing the new roll-in-shower, where the sink used to be. Refer to diagram.**
- **Toilet base-seal caulking shall include a minimum 1 ½" gap at the rear to allow evidence of waste drain seal leakage.**
- **Reinstall mirror over the toilet bowl.**
- **Install wall hung sink to where the toilet used to be. Refer to diagram.**

http://www.homedepot.com/p/American-Standard-Boulevard-Pedestal-Combo-Bathroom-Sink-in-White-0641-800-020/202810764?cm_mmc=Shopping%7cBase&gclid=CJTc6by97ccCFQiVfgodnogJ-w&gclsrc=aw.ds

- **Reinstall medicine cabinet over the wall hung sink.**

http://www.amazon.com/Panasonic-FV-11VHL2-WhisperWarm-Light-Night-Light-Combination/dp/B001CJWG14/ref=sr_1_fkmr1_1?ie=UTF8&qid=1441832657&sr=8-1-fkmr1&keywords=panasonic+whispersense+fan%2Flight%2Fheat+combination

- **Install two brushed metal, concealed flange 24" grab bars, one in the shower and one near the toilet. (See diagram)**
- **Paint bathroom with no VOC semi-gloss paint. Color by owner.**

http://www.millerpaint.com/index.php/miller-paint-products.html

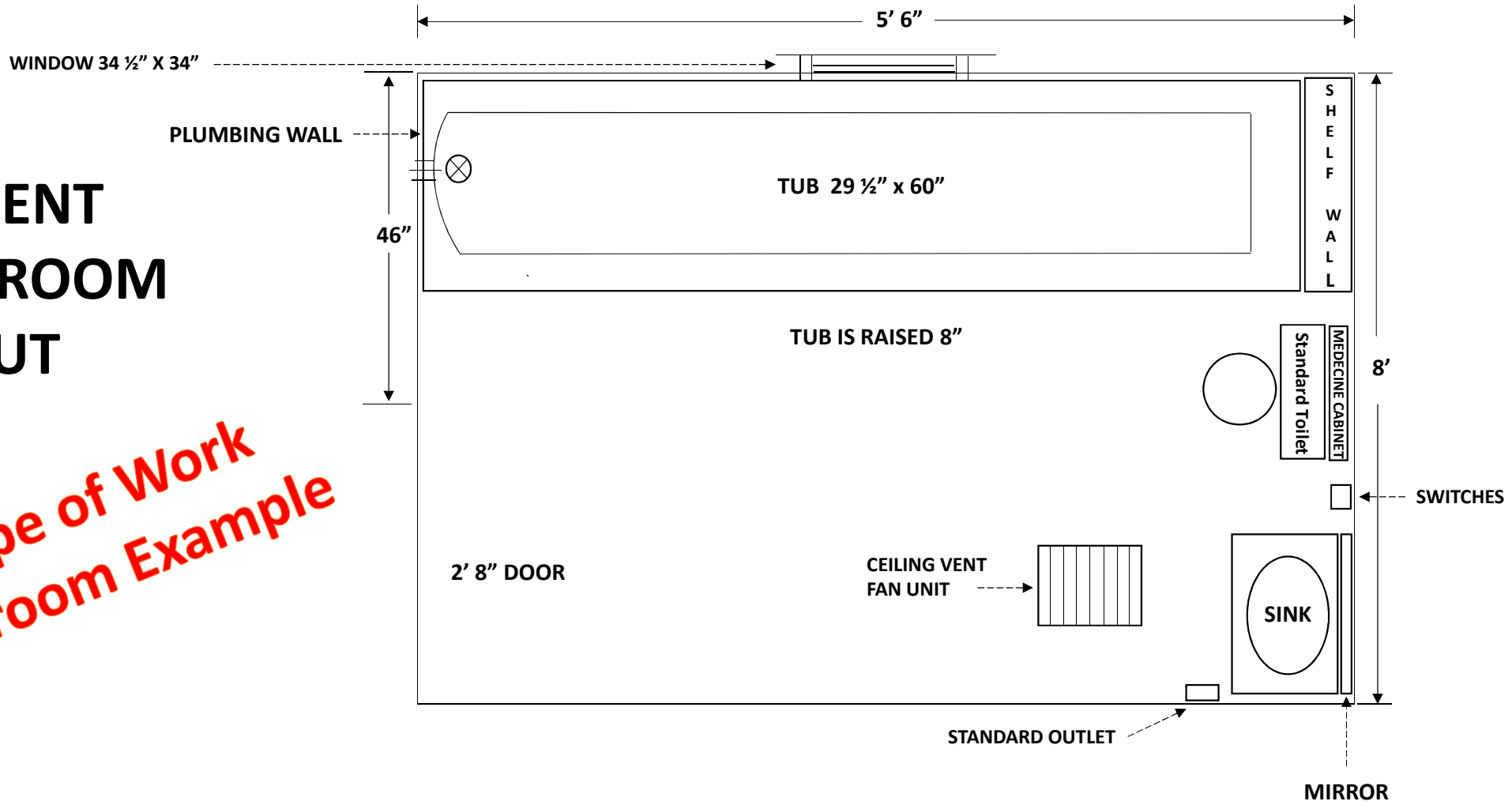
Family Sign off:_____ Date: _____

*** Family signature indicates the family is in agreement with the above Scope of Work**

*** If multiple pages are used for the Scope of Work, family signature required on last page only**

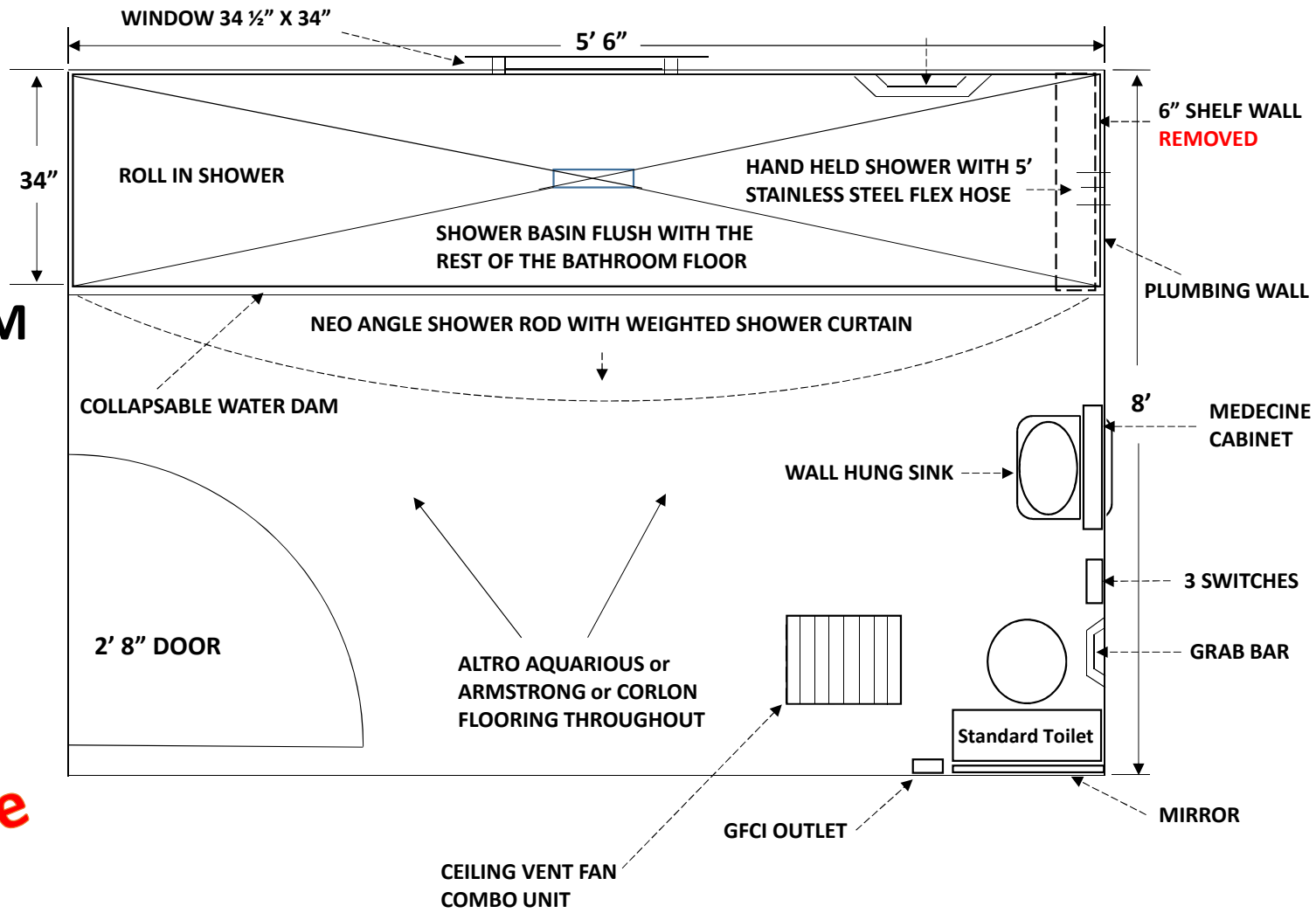
CURRENT BATHROOM LAYOUT

Scope of Work Bathroom Example



CLIENT ADDRESS

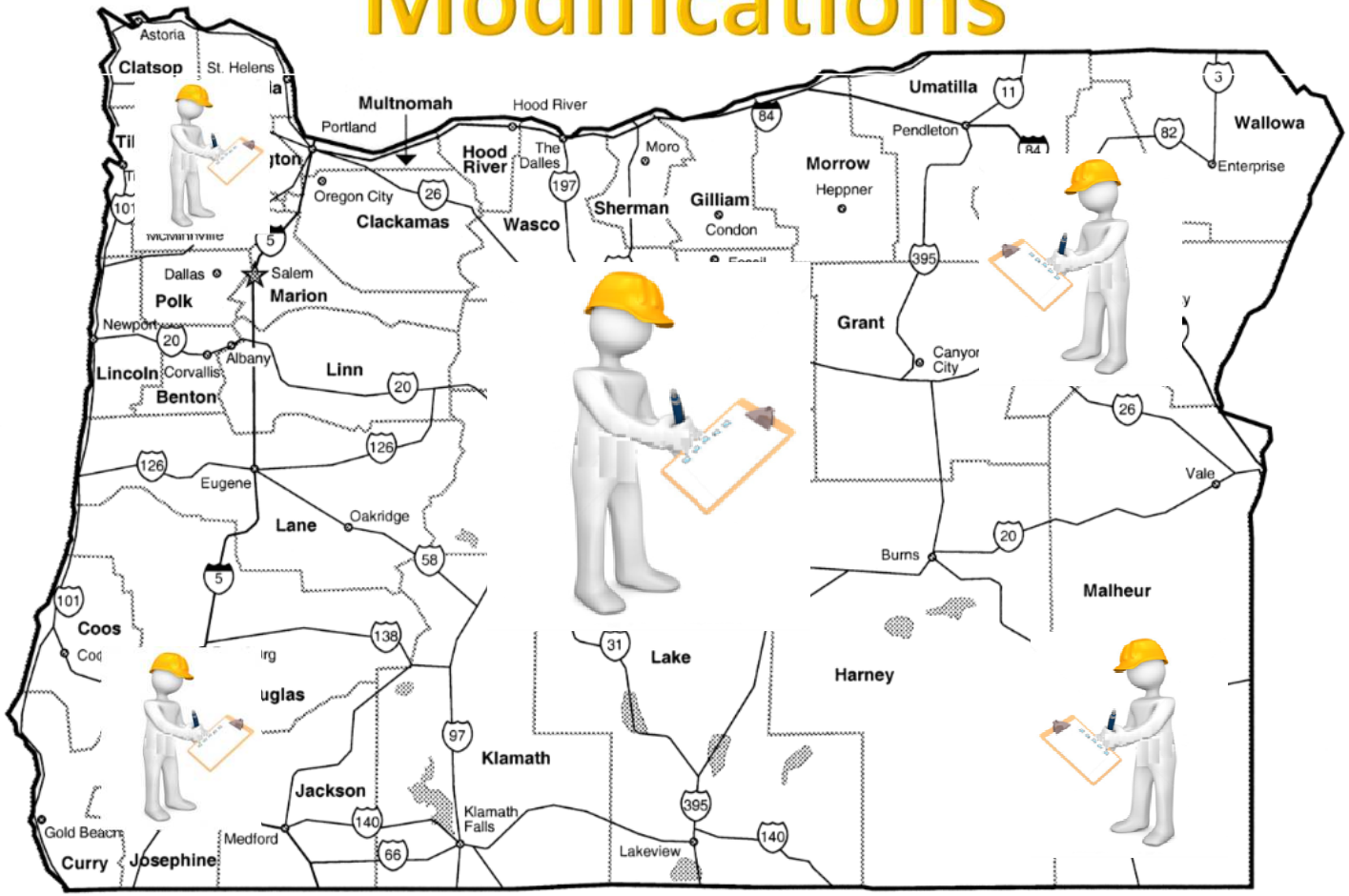
PROPOSED BATHROOM LAYOUT WITH ROLL IN SHOWER



Scope of Work
Bathroom Example

CLIENT ADDRESS

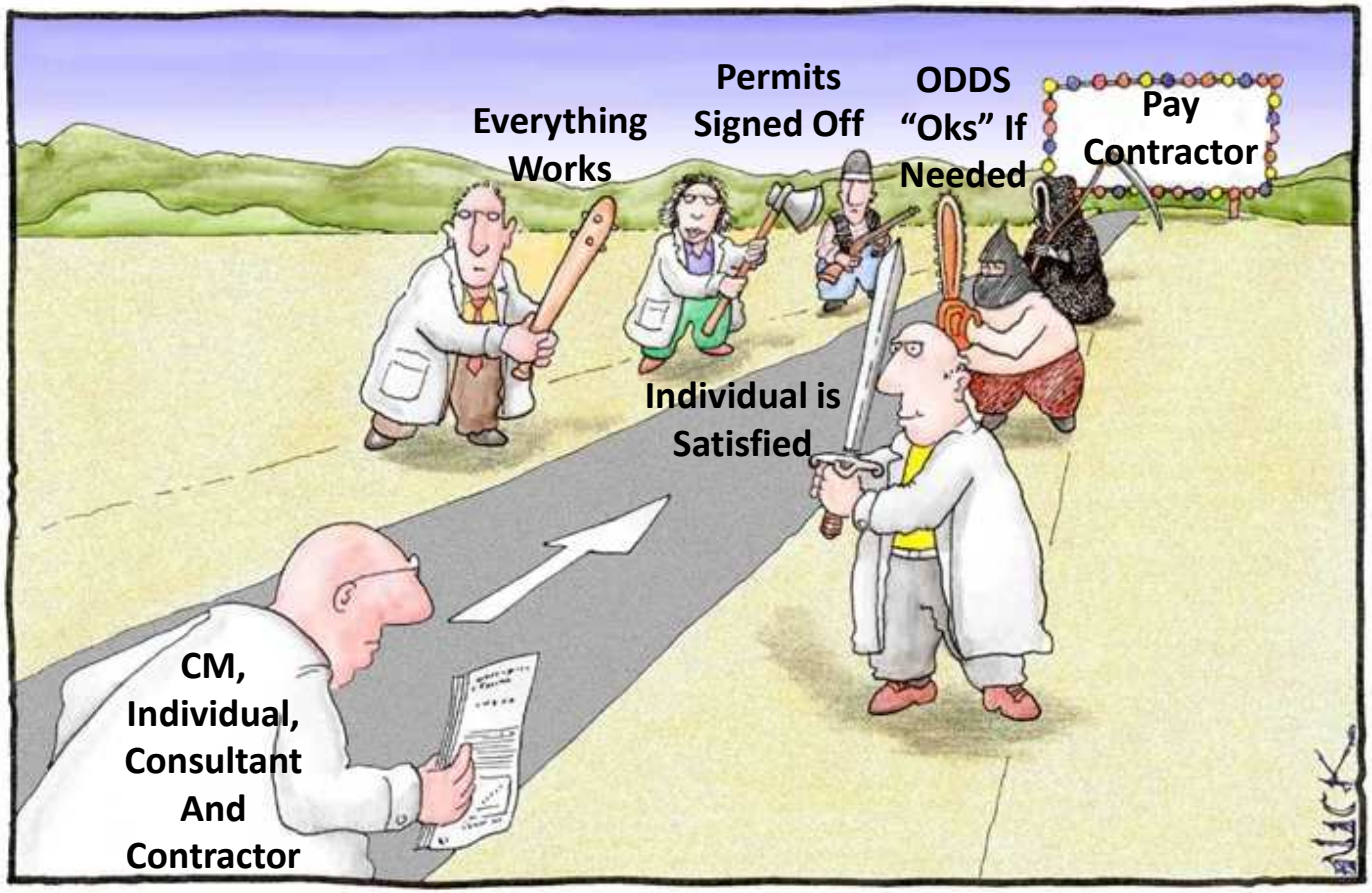
Field Consultants for Environmental Modifications



I Have a Scope of Work

Exceptions, eh? Wow that
sounds really boring.

FINAL INSPECTION



QUESTIONS
ANSWERS

Contact Information

Heber Nelson
Heber.NELSON@dhsoha.state.or.us

Warren Pendergast
WARREN.A.PENDERGAST@dhsoha.state.or.us

Michael Harmon
MICHAEL.A.HARMON@dhsoha.state.or.us
Phone: 541-974-4445