

# Construction Department

## Site Survey Checklist

Client \_\_\_\_\_  
**Location** \_\_\_\_\_  
**Title of Project** \_\_\_\_\_  
**Job No.** \_\_\_\_\_  
**Date** \_\_\_\_\_  
**By** \_\_\_\_\_

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# 1. Construction Facilities

## 1.1 Water

Client \_\_\_\_\_ Company \_\_\_\_\_  
If Company, source \_\_\_\_\_  
Quantity \_\_\_\_\_ Pressure \_\_\_\_\_  
Location \_\_\_\_\_  
Quality: Drinking \_\_\_\_\_ Testing \_\_\_\_\_

## 1.2 Electricity

Client \_\_\_\_\_ Company \_\_\_\_\_  
If Company, source \_\_\_\_\_  
Volts \_\_\_\_\_ Phase \_\_\_\_\_  
Cycle \_\_\_\_\_ KW \_\_\_\_\_  
Location \_\_\_\_\_

## 1.3 Communications

### Telephone

Client \_\_\_\_\_ Company \_\_\_\_\_

### Telefax

Client \_\_\_\_\_ Company \_\_\_\_\_  
Source \_\_\_\_\_

**Remarks:** (obtain copy of local telephone directory-yellow pages)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**1.4 Air**

Client \_\_\_\_\_ Company \_\_\_\_\_  
Quantity \_\_\_\_\_  
Pressure \_\_\_\_\_  
Tap available \_\_\_\_\_  
Location \_\_\_\_\_

**1.5 Steam**

Client \_\_\_\_\_ Company \_\_\_\_\_  
Bar \_\_\_\_\_  
Tap available \_\_\_\_\_  
Location \_\_\_\_\_

**1.6 Fuel Gas**

Client \_\_\_\_\_ Company \_\_\_\_\_  
Bar \_\_\_\_\_  
Tap available \_\_\_\_\_  
Location \_\_\_\_\_

**2. Hot Work**

**Regulations and Restrictions**

Welding and cutting \_\_\_\_\_  
Smoking \_\_\_\_\_  
Other \_\_\_\_\_

**3. Fences**

Client \_\_\_\_\_ Company \_\_\_\_\_  
Temporary \_\_\_\_\_ Permanent \_\_\_\_\_  
Type and ± lineal meters required: \_\_\_\_\_

## 4. Tie-Ins

**Process Piping:** Client \_\_\_\_\_ Company \_\_\_\_\_ Others \_\_\_\_\_  
**Electrical:** Client \_\_\_\_\_ Company \_\_\_\_\_ Others \_\_\_\_\_

## 5. Site Conditions

### 5.1 Site

Clear \_\_\_\_\_ Brush \_\_\_\_\_ Trees \_\_\_\_\_ Other (describe) \_\_\_\_\_

**Remarks:**

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### 5.2 Underground

Water table \_\_\_\_\_ Meters below grade \_\_\_\_\_

Possibility of unknown obstructions:

Yes \_\_\_\_\_ No \_\_\_\_\_

**Type**

**Location**

Abandoned footings	_____	_____
Foundations	_____	_____
Sewers	_____	_____
Other (describe)	_____	_____

**Remarks:**

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### 5.3 Above Ground

Obstructions to movement of construction or plant equipment:

Yes \_\_\_\_\_ No \_\_\_\_\_

Type	Location
Pipeways	_____
Structures	_____
Power Lines	_____
Other (describe)	_____

Remarks:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 6. Terrain

6.1 Level \_\_\_\_\_ Slope \_\_\_\_\_ Rough \_\_\_\_\_

Obtain data for estimate of earth moving job.

### 6.2 Spoil Disposal

Method \_\_\_\_\_  
Distance \_\_\_\_\_

### 6.3 Borrow

Method \_\_\_\_\_  
Distance \_\_\_\_\_  
Cost per m<sup>3</sup> \_\_\_\_\_

### 6.4 Soil Characteristics

Rock \_\_\_\_\_ Sand \_\_\_\_\_ Clay \_\_\_\_\_  
Vehicle travel: As is \_\_\_\_\_ prepared roads required \_\_\_\_\_

Remarks:

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## 7. Environmental Considerations

Clear water run off

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Contaminated water run off

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## 8. Civil Aeronautics

Is height of any construction equipment sufficient to demand aircraft warning lights?

Yes

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No

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Which authority must be consulted?

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## 9. Waste Disposal

### 9.1 Disposal of Construction Debris

Location

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Distance

---

Method

---

### 9.2 Disposal of Concrete

Location

---

Distance

---

Method

---

**Other**

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## 10. Fire Protection

Client \_\_\_\_\_ Company \_\_\_\_\_  
Type: Fire Water \_\_\_\_\_ Extinguishers \_\_\_\_\_ Mobile Equipment \_\_\_\_\_  
Location \_\_\_\_\_  
Number \_\_\_\_\_  
Type \_\_\_\_\_

## 11. Safety Regulations

Client \_\_\_\_\_ Company \_\_\_\_\_  
If Client, obtain copy \_\_\_\_\_  
What are government safety regulations (and obtain copy)?  
\_\_\_\_\_  
\_\_\_\_\_

## 12. Medical Facilities

Client \_\_\_\_\_ Company \_\_\_\_\_  
If Client \_\_\_\_\_  
Location \_\_\_\_\_  
Doctors: Full time \_\_\_\_\_ Part time \_\_\_\_\_  
Nurses: Number \_\_\_\_\_  
Hours \_\_\_\_\_  
Ambulance: Yes \_\_\_\_\_ No \_\_\_\_\_  
Location \_\_\_\_\_  
Hospital: Yes \_\_\_\_\_ No \_\_\_\_\_  
Location \_\_\_\_\_  
If Company \_\_\_\_\_  
Distance to: Hospital \_\_\_\_\_  
Ambulance \_\_\_\_\_  
Doctor \_\_\_\_\_

### 13. Construction Office

Construction Field Office: Client \_\_\_\_\_ Company \_\_\_\_\_  
Are office trailers available? Yes \_\_\_\_\_ No \_\_\_\_\_  
Are prefab buildings available? Yes \_\_\_\_\_ No \_\_\_\_\_  
Construction warehousing available? Yes \_\_\_\_\_ No \_\_\_\_\_

**Remarks:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Cost:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 13.1 Parking and Storage

Client \_\_\_\_\_ Company \_\_\_\_\_  
Adequate parking space for construction crew:  
Yes \_\_\_\_\_ No \_\_\_\_\_  
Distance from jobsite \_\_\_\_\_  
Time to allow for workmen to get to jobsite \_\_\_\_\_

**Remarks:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Is unloading or storage area for equipment available adjacent to jobsite?  
Yes \_\_\_\_\_ No \_\_\_\_\_  
If not, where located? \_\_\_\_\_

## 14. Security

Client	_____			Company	_____
<b>Type</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>		
Uniformed	_____	_____	_____		
Armed	_____	_____	_____		
Professional	_____	_____	_____		
Watchmen	_____	_____	_____		
Estimated number required	_____				
Separate gate for construction	Client	_____	Company	_____	_____

## 15. Access to Site

### 15.1 Railroads

What railroad serves the site? \_\_\_\_\_

Where unloading spur with respect to storage area and new construction area? \_\_\_\_\_

New spur or other facilities by

Client \_\_\_\_\_ Company \_\_\_\_\_ Other \_\_\_\_\_

What is largest piece of equipment that can be shipped?

Length \_\_\_\_\_

Overhead clearance \_\_\_\_\_

Side clearance: At maximum length \_\_\_\_\_ mtrs. \_\_\_\_\_

At 15 meters \_\_\_\_\_ mtrs. \_\_\_\_\_

### 15.2 Trucks

Maximum allowable length \_\_\_\_\_

Maximum allowable width \_\_\_\_\_

Maximum allowable weight \_\_\_\_\_

Permit for special shipment: Yes \_\_\_\_\_ No \_\_\_\_\_

Condition of roads \_\_\_\_\_

Condition of bridges \_\_\_\_\_

**Comments:**

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**15.3 Dock Facilities**

Client	_____	Company	_____	Other	_____
Unloading capacity	_____				
Distance from site	_____				
Storage facilities	_____				
Ramp for roll on/roll off loading	_____				
Restrictions (weight, size, water depth, etc.)	_____				

**15.4 Air**

Airlines that serve the country \_\_\_\_\_

Ports of entry \_\_\_\_\_

Distance from jobsite to nearest airport \_\_\_\_\_

Distance from jobsite to nearest international airport \_\_\_\_\_

Is air taxi service available?      Yes      \_\_\_\_\_      No      \_\_\_\_\_

Can landing strip be built at jobsite?      Yes      \_\_\_\_\_      No      \_\_\_\_\_

**16. Weather**

**16.1 Temperature**

<b>Winter</b>		<b>Summer</b>	
High _____	Low _____	High _____	Low _____
Mean average _____		Mean average _____	

**16.2 Prevailing Wind**

Direction: \_\_\_\_\_      Average Velocity: \_\_\_\_\_

### 16.3 Precipitation

**Yearly Average/Centimeters**

**Record Centimeters**

Rain

\_\_\_\_\_

\_\_\_\_\_

Snow

\_\_\_\_\_

\_\_\_\_\_

Special seasonal conditions affecting construction:

(Freezing, thaw, rainy season, wind storms, etc.)

**Remarks on general and/or unusual atmospheric conditions:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 17. Labor Climate

	Yes	No	Remarks
Jurisdictional disputes commonplace?	_____	_____	_____
Strikes a continuing threat?	_____	_____	_____
Exclusive referral systems used by union locals?	_____	_____	_____
Right-to-work state?	_____	_____	_____

### 17.1 Labor

Is construction labor\*: Union \_\_\_\_\_ Non-union \_\_\_\_\_ Both \_\_\_\_\_

What are restrictions in importation of labor?

Supervisory \_\_\_\_\_

Trades \_\_\_\_\_

\* Obtain copies of government and/or union regulations.

Will the following be required?:

Item	Yes*	No	Remarks
Labor camp	_____	_____	_____
Change house(s)	_____	_____	_____
Food facilities	_____	_____	_____

\* Amplify "Yes" answers as appropriate

## 17.2 Transportation to Job

Expatriate \_\_\_\_\_

Local \_\_\_\_\_

## 17.3 Training

Item	Yes*	No	Remarks
Training programs craft	_____	_____	_____
Language	_____	_____	_____

\* Amplify "Yes" answers as appropriate

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 17.4 Construction Activities

Projected construction activity of the area involving the above crafts?

Heavy \_\_\_\_\_ Medium \_\_\_\_\_ Light \_\_\_\_\_

What outside contractors working area now?

\_\_\_\_\_

What outside contractors scheduled to start?

\_\_\_\_\_

What outside contractors last worked area?

\_\_\_\_\_

## 17.5 Labor Productivity

Craft	Productivity	Source of Information
Asbestos Workers	_____	_____
Boilermakers	_____	_____
Bricklayers	_____	_____
Carpenters	_____	_____
Cement Finishers	_____	_____
Electricians	_____	_____
Ironworkers	_____	_____
Laborers	_____	_____
Millwrights	_____	_____
Operating Engineers	_____	_____
Painters	_____	_____
Pipefitters	_____	_____
Others	_____	_____

## 18. Subcontractors

Are good subcontractors available locally for the following:

	Yes	No	Remarks
Electrical	_____	_____	_____
Insulation	_____	_____	_____
Roofing	_____	_____	_____
Paving	_____	_____	_____
Painting	_____	_____	_____
Glazing	_____	_____	_____
Fencing	_____	_____	_____
Earthmoving	_____	_____	_____
Plant Security	_____	_____	_____
Heating & Ventilation	_____	_____	_____
Rigging	_____	_____	_____
Machinery Setting	_____	_____	_____
Concrete	_____	_____	_____
Cement Finishing	_____	_____	_____
Reinforcing Placements	_____	_____	_____
Piping	_____	_____	_____
Plumbing	_____	_____	_____
Haulage	_____	_____	_____
Stevedoring	_____	_____	_____

Commonly used types of subcontractors units which contractors are accustomed to bidding-amount of detailed breakdown required.



## 19. Construction Materials

### 19.1 Concrete, aggregate, etc.

What are the availability and costs at jobsite on the following?:

Readymix concrete

\_\_\_\_\_

Lumber

\_\_\_\_\_

Aggregate (type)

\_\_\_\_\_

Other materials

\_\_\_\_\_

### 19.2 Machine Shops

Are machine shops available for anchor bolts, etc.?

Yes

\_\_\_\_\_

No

\_\_\_\_\_

Approximate cost per # for anchor bolts

\_\_\_\_\_

Approximate cost per # for rebar

\_\_\_\_\_

Approximate cost per # for straights

\_\_\_\_\_

Approximate cost per # for bent

\_\_\_\_\_

### 19.3 Testing Facilities

What is the availability and cost of testing facilities?

Concrete

\_\_\_\_\_

Welding

\_\_\_\_\_

X-Ray

\_\_\_\_\_

Other

\_\_\_\_\_

## 20. Construction Equipment

### 20.1 Deadman for Guys

Can deadman for guys be located outside battery limits?

Yes

\_\_\_\_\_

No

\_\_\_\_\_

How far?

\_\_\_\_\_

### 20.2 Rental Agency

Location of recommended equipment rental agency(s)

\_\_\_\_\_

## 20.3 Equipment Availability

What equipment is available?

Type	Size	Approximate Monthly Rates	Operated and Maintained?	
			Yes	No
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Tools: _____	Client _____	_____	Company _____	_____

## 21. Foreign Additions

### 21.1 Income Taxes

#### 21.1.1 Personal Income Tax and Related Problems

Local employees

Expatriate employees

Are there reciprocal agreements between this country and other countries. If yes, which:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 21.2 Living Conditions

#### 21.2.1 General

**Distance, remarks, rates, etc.**

_____ Houses (rental)	_____
_____ Apartments	_____
_____ Schools	_____
_____ Recreation	_____
_____ Shopping	_____
_____ Public transportation	_____
_____ Churches	_____

Cost of living index: Current \_\_\_\_\_ (Base 19 \_\_\_\_\_ = 100)

### 21.2.2 Automobiles

	Availability	Makes	Cost on Road
New	_____	_____	_____
Used	_____	_____	_____
Rental	_____	_____	_____
<b>Trucks</b>			
New	_____	_____	_____
Used	_____	_____	_____
Rental	_____	_____	_____

### 21.2.3 Newspapers

Name	Address	Ownership	
		Government	Private
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

### 21.2.4 Recreational Facilities

Expatriate \_\_\_\_\_  
Local \_\_\_\_\_

## 21.3 Financial

### 21.3.1 Currency and Exchange

National unit of exchange (USD, pesos, etc.)? \_\_\_\_\_  
Official rate of exchange in NLG and/or USD? \_\_\_\_\_  
Actual rate of exchange in NLG and/or USD? \_\_\_\_\_  
Foreign exchange regulations? \_\_\_\_\_

### 21.3.2 Customs

Will import duties apply to plant equipment? Yes \_\_\_\_\_ No \_\_\_\_\_

Will import duties apply to construction equipment? Yes \_\_\_\_\_ No \_\_\_\_\_

Will import duties apply to construction materials? Yes \_\_\_\_\_ No \_\_\_\_\_

If so, at what rates? \_\_\_\_\_

\_\_\_\_\_

If not, what is procedure to get exemption?

\_\_\_\_\_

Names of reputable customs broker

\_\_\_\_\_

Custom clearance costs to jobsite

\_\_\_\_\_

Negative (black) lists? Yes \_\_\_\_\_ (obtain copies) No \_\_\_\_\_

Products \_\_\_\_\_

Companies \_\_\_\_\_

Other \_\_\_\_\_

Other restrictions? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### 21.4 Social (General)

What is predominant religion of country? \_\_\_\_\_

Is it recognized as official? Yes \_\_\_\_\_ No \_\_\_\_\_

Are there any restrictions? Yes \_\_\_\_\_ No \_\_\_\_\_

What are social conditions and customs of the country? \_\_\_\_\_

What is the official language of the country? \_\_\_\_\_

What languages are generally spoken in the area? \_\_\_\_\_

From personal observation, what is attitude of locals toward expatriates? \_\_\_\_\_

\_\_\_\_\_

How far to city of 50,000 or more? \_\_\_\_\_ What city? \_\_\_\_\_

Are any special types of clothing required? \_\_\_\_\_

Nearest Dutch and US Embassy: \_\_\_\_\_

What is availability of alcoholic beverages? \_\_\_\_\_

What are regulations and/or restrictions for expatriates re:

Automobile registration \_\_\_\_\_

Driving licenses:

a. Automobile \_\_\_\_\_

b. Pick-up \_\_\_\_\_

**21.5** What are obligations of employer to employee pertaining to the following?

Compensation \_\_\_\_\_

Health benefits \_\_\_\_\_

Leave time \_\_\_\_\_

Social security \_\_\_\_\_

Termination requirements \_\_\_\_\_

Workmen's compensation \_\_\_\_\_

What method of payment? Cash \_\_\_\_\_ Check \_\_\_\_\_

**21.5.1** What are recommended ratios of supervisors?

Local to crafts \_\_\_\_\_

Expatriate to locals \_\_\_\_\_

**22. Immigration**

**22.1 Work Permits**

Requirements? \_\_\_\_\_

How obtained? \_\_\_\_\_

When obtained? Before entry \_\_\_\_\_ After entry \_\_\_\_\_

Term renewable? \_\_\_\_\_

