PLAINTIFF'S EXHIBIT

CC-148

BID SPECIFICATIONS

FOR

SANDBLASTING AND PAINTING
PIPELINES, STANCHIONS, AND OVERHEAD BRIDGE

Coastal States Petrochemical Company
Corpus Christi, Texas

November, 1967

JOB SPECIFICATIONS

I. PROJECT SCOPES AND LOCATION

Sandblasting and painting of pipelines, stanchions, and overhead bridge as outlined on attached map, and as designated by the project coordinator. Blasting in certain areas as outlined on map shall be performed when wind is out of the southwest.

II. WORK TO BE PERFORMED

All work must be executed in a good and workmanlike manner and in accordance with the true intent of the specifications referred to herein and will be subject to inspection and test by Coastal States to ascertain that the specifications have been complied with. Any work or materials not expressly covered herein or by the specifications, but which are gainly implied therein as being required for the job, shall be considered as part of the contract. Work to be performed under this labor contract between Coastal States Petrochemical Company and others shall be as follows:

A. Sandblast above items to "Near White Metal" SP-10, using Clemtex #3 bagged sand or an approved equal.

SP-10 "Near White Metal Blast" Reference SSPC-SP 1063T.

"Near White Metal" is a method of preparing the metal surfaces for the application of protective coatings by removing mill scale, rust, old paint and any foreign matter by propelling sand through a nozzle with compressed air.

This is defined as a surface, gray white in appearance, being almost a completely uniform metallic color, with very light shadows allowed over less than 10% of the surface area. The Procedure:

1. Before blasting, grind smooth any rough welds and sharp edges.

2. Remove heavy deposits of oil and grease by detergent cleaning (Ref. SSPC-SP 1 52T), using one pound Sodium Meta Silica per five gallons of water.

3. The sand used shall be 16-30 mesh, unless otherwise specified, sharp angular grained silica sand that is fresh water washed, dried, properly graded and delivered to the job site in moisture-proof bags (Clemtex #3 or an approved equal).

4. Compressed air shall be delivered at a minimum nozzle pressure of 90 psi, not to exceed 110 psi. This shall be free of detrimental amounts of condensed water and oil.

5. All blast products shall be swept or blown from the surface before priming commences.

6. Blast cleaning will not be conducted on surfaces that may become wet after blasting and before priming is complete, or when surfaces are less than 5°F. above the dew point, or when relative humidity is above 85%.

7. The blasted surface shall be primed within 8 hours.

B. Apply one coat #2810 Durapon Red Chromate Primer, or equal, at rate of 5-6 mils wet in order to obtain 2-3 mils dry.

C. Apply #2809 Durapon Green Primer, or equal, as the second coat, at the rate of 5-6 mils wet in order to obtain 2½ dry.

1. Do not thin in excess of one pint of #69 Reducer per gallon.

2. Use DeVilbiss 704 Aircap with an E needle for best spray pattern.

3. Allow overnight cure time between coats.

D. Finish with two coats, first coat Briners No. 2837 Durapon Grey, or equal, and second coat Briners No. 2825 black or equal, applied at the rate of 4½ mils wet in order to obtain 2 mils dry per coat. Finish coat on overhead bridge shall be 2 coats of Briner #1337 Polished Chrome Aluminum, applied at the rate of 4½ mils wet.

1. All applications should be made with at least 15 hours of cure time between coats.

2. Use same size spray head and orifice as for the primer.

E. Safety Precautions. Sandblasting in all areas must be coordinated with and approved by operating supervisor in that area. Contractor shall inform the project coordinator each day of the proposed scope of sandblasting operations on the following day in order to keep work flowing smoothly. If fire or explosion hazards are present, proper precautions shall be taken before any work is done. If the structure previously contained flammable materials, it should be purged of dangerous concentrations.

Nozzle blast operators exposed to blast dust shall wear a U. S. Bureau of Mines approved helmet connected to a source of clean, compressed air.

Filter type air respirators should be worn by all others who are exposed to blast dust environment. Adequate protection for personnel from flying particles shall also be provided in any blasting operation.

Safety goggles shall be worn by all persons near any blasting operation.

Blast hose shall be grounded to dissipate static charges.

F. Inspection. All work under this specification shall be subject to inspection by the owner or his representative. All parts of the work shall be accessible to the inspector. The contractor shall correct such work as is found defective under the specifications. If the contractor does agree with the inspector, the arbitration or settlement procedure established in the contract, if any, shall be followed. If no arbitration or settlement procedure is established, the procedure specified by the American Arbitration Association shall be used.

III. APPLICABLE SPECIFICATIONS

A. Coastal States shall furnish all paints and thinners.

B. Contractor shall, at its sole cost and expense, furnish all necessary supervision, labor, tools, equipment, supplies, all expendable and/or consumable materials such as sand, motor oils, fuel and greases, etc., to perform all work herein specified.

C. Contractor shall provide proper supervision on job site at all times, including supervision by prime contractor for any subcontract work by others.

IV. GENERAL CONDITIONS

A. Working hours shall be from 7:00 a.m. to 3:30 p.m. Monday through Friday. Coastal States holidays will be observed.

B. Contractor to furnish portable sanitary facilities and drinking water for construction forces if required.

C. Coastal States shall have the right to effect changes in construction. Should changes be made, then the amount of payment or basis for payment shall be determined by Coastal States and the contractor prior to the starting of the work for which such change is made.

D. Insurance. Contractor shall provide and maintain, at his own expense and cost, with carriers acceptable to Coastal States, the following insurance, to be evidenced by Certificates of Insurance furnished to the company by the carriers:

1. Workmen's Compensation Insurance, including death coverage.

2. Public Liability and Property Damage Insurance on operations with minimum limits as follows:

(a) Bodily Injury ---------- $100,000/$300,000

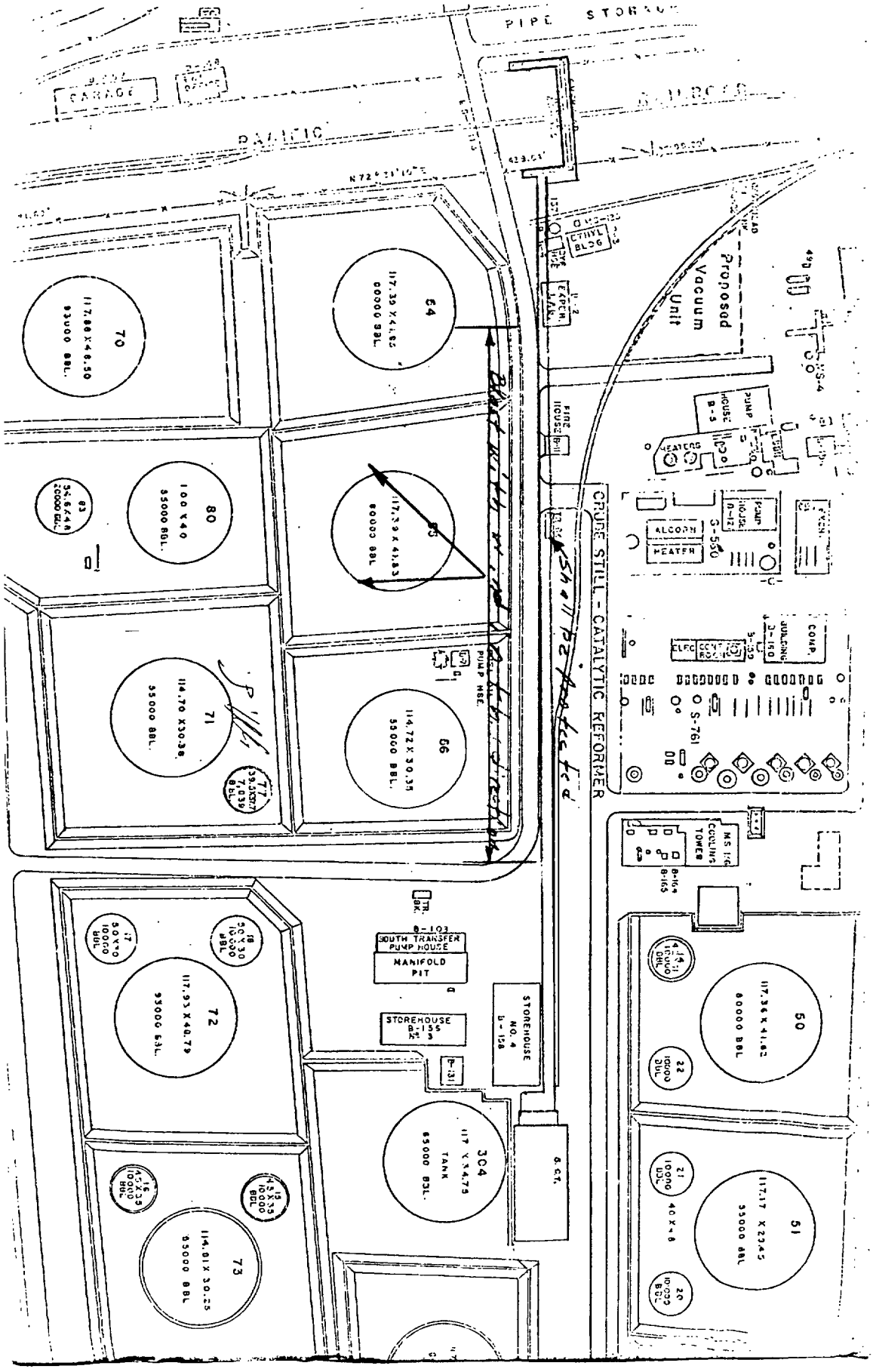
(b) Property Damage ---------- $50,000 on any one accident

E. The Contractor shall submit his bid to: Attention B. A. Paulson, Coastal States Petrochemical Company, P. O. Box 521, Corpus Christi, Texas, 78403, not later than November 21, 1967.

The quoted price shall include all remuneration required by contractor for required work.

F. The contractor will comply with all Coastal States safety measures, etc.

G. Bidders should visit the job site to familiarize themselves with the scope of work to be done.


PIPE STORAGE
GARAGE
PACIFIC
Proposed Vacuum Unit
CRUDE STILL - CATALYTIC REFORMER
ALCORN HEATER
HEATERS
PUMP HOUSE B-5
FIRE HOUSE
PUMP HSE.
COMP. BUILDING
S-761
MS 1/6 COOLING TOWER
SOUTH TRANSFER PUMP HOUSE
MANIFOLD PIT
STOREHOUSE B-155
STOREHOUSE NO. 4
304 117 X 34.75 TANK 65000 BBL.
70 117.88 X 46.50 93000 BBL.
64 117.39 X 41.65 80000 BBL.
80 100 X 40 55000 BBL.
71 114.70 X 30.38 55000 BBL.
56 114.72 X 30.35 55000 BBL.
72 117.93 X 40.79 93000 BBL.
73 114.81 X 30.25 55000 BBL.
50 117.36 X 41.62 80000 BBL.
51 117.17 X 23.45 55000 BBL.
22 10000 BBL.
21 10000 BBL.
20 10000 BBL.
17 50 X 30 10000 BBL.
18 50 X 30 10000 BBL.
16 45 X 35 10000 BBL.
15 45 X 35 10000 BBL.
Shall be protected

CED0005905

RESIDENCE: [redacted]

BUSINESS: TU 2-7635

ROY HUNT, INC.

PAINTING & SANDBLASTING

349 McBRIDE LANE P. O. BOX 9098

CORPUS CHRISTI, TEXAS, 78401

November 22, 1967

Coastal Ststes Petrochemical Co.
P. O. Drawer 521
Corpus Christi, Texas 78403

ATTENTION: Mr. B. A. Paulson

We propose to sandblast and paint as per your specifications your pipelines, stanchions and overhead bridge. We are to furnish labor, equipment and supervision. Coastal States to furnish all paints and thinners. For a total cost of: $11,400.00.

We thank you for allowing us to submit our bid on this work for you.

Sincerely yours,

ROY HUNT, INC.

Roy Hunt

Roy Hunt, President

RH/oh

Lankford Company, Inc.

Sandblasting and Painting Contractors

P. O. Box 4019 , TULIP 3-0849 , CORPUS CHRISTI, TEXAS 78408

November 20, 1967

Coastal States Petrochemical Company
P. O. Box 521
Corpus Christi, Texas 78403

Attn: Mr. B. A. Paulson

Subject: Sandblasting and Painting Pipelines, Stanchions, and Overhead Bridge.

Gentlemen:

We propose to furnish all labor, sand, equipment, employment taxes and insurance necessary to complete the sandblasting and painting on the above subject project in accordance with the specifications and drawing for the sum of Fourteen Thousand One Hundred Sixty Dollars ($ 14,160.00).

Respectfully,

LANKFORD COMPANY, INC.

J. L. Lankford



ESTABLISHED 1928

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