

## RESOLUTION NO. 2472

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD  
AUTHORIZING TASK ORDERS (#942379, #942380, #942381)  
WITH HANNA BRUNETTI, CITY ENGINEER, NOT TO  
EXCEED THE AMOUNT OF \$75,000 FOR THE  
DEVELOPMENT OF MASTER PLANS FOR  
SEWER, WATER AND STORM  
DRAINAGE**

**BE IT RESOLVED** by the City Council of the City of Soledad that the City Manager is hereby authorized and directed for and on behalf of the Council of the City of Soledad to execute with Hanna Brunetti Task Orders #942379 (Sewer), #942380 (Water), and #942381 (Storm Drainage), not to exceed the amount of \$75,000 for the development of Citywide Master Plans for Sewer \$24,000, Water \$23,000 and Storm Drainage \$27,000; and

**WHEREAS**, the City of Soledad's General Plan Land Use Element contains policies that the City should develop master plans for sewer, water and storm drainage, so as to provide appropriate infrastructure for existing and proposed development; and

**WHEREAS**, funds for the proposed master plans have been allocated in the 1995/96 City budget under Professional and Technical Services for sewer and water.


**BE IT FURTHER RESOLVED**, by the City Council of the City of Soledad that the attached work orders (#942379, #942380, #942381), marked "Exhibit A" hereunto attached and by reference made a part hereof.

**PASSED AND ADOPTED** by the City Council of the City of Soledad at a regular meeting duly held on the 15th day of November, 1995 by the following vote:


AYES, and in favor thereof, Councilmembers: John Holguin, Fred Ledesma, Richard Ortiz, Mayor Pro Tem Fabian Barrera, Mayor Ben Jimenez, Jr.

NAYES, Councilmembers: None

ABSENT, Councilmembers: None

  
MAYOR OF THE CITY OF SOLEDAD

ATTEST:

  
CITY CLERK OF THE CITY OF SOLEDAD

# HANNA & BRUNETTI

Civil Engineers - Planners - Land Surveyors

Established 1910  
Walter J Hanna, P.E. (1910-1967)  
Norris Udell, P.E., L.S. (1954-1972)

Walter J. Hanna, Jr. P.E., L.S.  
Arnold Brunetti, P.E.

TASK ORDER FOR JOB NO. 942379  
CITY OF SOLEDAD, CALIFORNIA  
and HANNA AND BRUNETTI  
AUTHORIZATION OF SERVICES

1. Purpose:

The purpose of this TASK ORDER is to authorize and direct the ENGINEER to proceed with the work specific in Item 2 of this TASK ORDER, in accordance with the provisions of Article A and B of that AGREEMENT between the parties hereto dated July 1, 1994.

2. Scope of Work:

The work is designated "Special Projects" and is the sole responsibility and sole liability of HANNA AND BRUNETTI. The work authorized by this TASK ORDER is outlined in the "Scope of Services" attached hereto as Exhibit "A".

3. Time of Performance:

The work authorized by this TASK ORDER shall be completed within three (3) months from the date of execution of this TASK ORDER.

4. Compensation and Payment:

Compensation shall be on a lump sum basis as provided in Article D of the AGREEMENT. The total lump sum shall be \$25,000.00, which includes all labor and expenses, except reprographics expenses. Payment shall be in accordance with Article D of the aforementioned AGREEMENT.

5. Effective Date:

This TASK ORDER shall become effective immediately upon its execution by both parties.

6. Incorporation

All items and conditions contained in the ENGINEERING SERVICES AGREEMENT dated July 1, 1994 between the CITY OF SOLEDAD and HANNA AND BRUNETTI are incorporated herein by reference.

Executed this 15th day of November, 1997.

CITY OF SOLEDAD, a  
municipal corporation

HANNA AND BRUNETTI

By:

*Belinda B. Espinosa*  
City Manager

By:

*Michael Fauler*  
Principal

\* \* \* \* \*

Task Order - Sanitary Sewer MP  
 Job No. 942379  
 Page 2

**EXHIBIT "A"**  
**TASK ORDER FOR JOB NO. 942379**  
**SCOPE OF SERVICES SEWER MASTER PLAN**

This TASK ORDER studies the City's sewer system, the findings will be summarized in a Sewer Master Plan (SMP) report. It does not include evaluating the wastewater treatment plant (WWTP).

This TASK ORDER will include the following work:

**TASK 1 - MAPPING**

HANNA & BRUNETTI will prepare reproducible mylar maps in scales and sizes to be determined with City staff.

**TASK 2 - DATA COLLECTION AND REVIEW**

HANNA & BRUNETTI will collect and review all available information, reports, maps, and data. Specific items which will be reviewed include land use plans, sewer system maps, WWTP flow data, historical rainfall data, and existing record improvement plan data.

**TASK 3 - REVIEW LAND USE DATA**

HANNA & BRUNETTI will review land use data/maps furnished by the City and in cooperation with City staff, perform the following:

- A. Establish existing land use for each sewage collection basin.
- B. Determine future growth potential in residential, commercial, and industrial areas.
- C. Allocate growth to basins.
- D. Review proposed new developments, including apartment complexes and industrial facilities.
- E. Assign future growth phasing.
- G. Incorporate data from sewer system surveys performed by Hanna & Brunetti in 1994.
- H. Digitize base maps and land use data.
- I. Develop land use data base.

**TASK 4 - DEVELOP DESIGN FLOWS**

HANNA & BRUNETTI will perform the following using Engineering Data Systems software, "Sanitary Sewers, Version 12.0A":

- A. Determine existing flow rates from WWTP records.
- B. Allocate flows to basins by land use type and concentration.
- C. Calculate future flows.
- D. Determine infiltration and inflow (I/I) allowance based on flow monitoring information provided by the City.
- E. Develop average and peak design flows for each basin.

Note that dry weather and wet weather flow monitoring should be performed by the City to determine the existing system capacities. If the City wants this work performed by a consultant, we can recommend subcontractors that will perform this service.

**TASK 5 - COLLECTION SYSTEM ANALYSIS**

HANNA & BRUNETTI will perform the following:

Task Order - Sanitary Sewer MP  
Job No. 942379  
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- A. Develop a model for the main trunk system.
- B. Input flows to each basin.
- C. Route flows and compare with capacity.
- D. Determine pipe segments with capacity problems.

**TASK 6 - DEVELOP RECOMMENDATIONS**

HANNA & BRUNETTI will perform the following:

- A. Prepare a capital improvement plan.
- B. Develop a preliminary cost estimate.
- C. Develop a staged plan to meet growth needs.
- D. Develop revised mitigation fees for proposed capital improvements.
- E. Present findings to City staff.

**TASK 7 - PREPARE FINAL REPORT**

HANNA & BRUNETTI will perform the following:

- A. Evaluate City comments and develop recommended plan.
- B. Review recommendations with City staff.
- C. Prepare Sewer Master Plan report.

**EXTRA SERVICES NOT INCLUDED**

This TASK ORDER does not include the following tasks:

1. Aerial topography, including:
  - Aerial control surveys
  - Aerial topography manuscripts
  - Aerial topography plan sheets
2. Coordination with the City's design engineering consultant for the WWTP expansion.
3. Coordination with the Monterey County, LAFCO, or State Agencies.
4. Preparation of EIR documents required by CEQA.
5. Flow monitoring services.

The above tasks will be performed on a time and materials basis per the Agreement or as a separate TASK ORDER, as requested by the City.

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# HANNA & BRUNETTI

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Walter J. Hanna, Jr. P.E., L.S.  
Arnold Brunetti, P.E.

TASK ORDER FOR JOB NO. 942380  
CITY OF SOLEDAD, CALIFORNIA  
and HANNA AND BRUNETTI  
AUTHORIZATION OF SERVICES

1. Purpose:

The purpose of this TASK ORDER is to authorize and direct the ENGINEER to proceed with the work specific in Item 2 of this TASK ORDER, in accordance with the provisions of Article A and B of that AGREEMENT between the parties hereto dated July 1, 1994.

2. Scope of Work:

The work is designated "Special Projects" and is the sole responsibility and sole liability of HANNA AND BRUNETTI. The work authorized by this TASK ORDER is outlined in the "Scope of Services" attached hereto as Exhibit "A".

3. Time of Performance:

The work authorized by this TASK ORDER shall be completed within three (3) months from the date of execution of this TASK ORDER.

4. Compensation and Payment:

Compensation shall be on a lump sum basis as provided in Article D of the AGREEMENT. The total lump sum shall be \$23,000.00, which includes all labor and expenses, except reprographics expenses. Payment shall be in accordance with Article D of the aforementioned AGREEMENT.

5. Effective Date:

This TASK ORDER shall become effective immediately upon its execution by both parties.

6. Incorporation

All items and conditions contained in the ENGINEERING SERVICES AGREEMENT dated July 1, 1994 between the CITY OF SOLEDAD and HANNA AND BRUNETTI are incorporated herein by reference.

Executed this 15th day of November, 199~~4~~<sup>5</sup>.

CITY OF SOLEDAD, a  
municipal corporation

HANNA AND BRUNETTI

By: Belinda B. Espinosa  
City Manager

By: Michael Farker  
for Principal

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Task Order - Water MP  
Job No. 942380  
Page 2

**EXHIBIT "A"**  
**TASK ORDER FOR JOB NO. 942380**  
**SCOPE OF SERVICES**  
**WATER MASTER PLAN**

This TASK ORDER studies the City's water system, the findings will be summarized in a Water Master Plan (WMP) report.

This TASK ORDER will include the following work:

**TASK 1 - MAPPING**

HANNA & BRUNETTI will prepare reproducible maps in scales and sizes to be determined with City staff.

**TASK 2 - DATA COLLECTION AND REVIEW**

HANNA & BRUNETTI will collect and review all available information, reports, maps, and data. Specific items which will be reviewed include land use plans, water system maps, and existing record improvement plan data.

**TASK 3 - REVIEW LAND USE DATA**

HANNA & BRUNETTI will review land use data/maps furnished by the City and in cooperation with City staff, perform the following:

- A. Establish existing land use for each pressure zone.
- B. Determine future growth potential in residential, commercial, and industrial areas.
- C. Allocate growth to zones.
- D. Review proposed new developments, including apartment complexes and industrial facilities.
- E. Assign future growth phasing.
- F. Incorporate some elevation data from sewer system surveys performed by Hanna & Brunetti in 1994.
- G. Digitize base maps and land use data.
- H. Develop land use data base.

**TASK 4 - QUANTIFY EXISTING DEMAND**

HANNA & BRUNETTI will determine the water demand in residential, commercial, and industrial zones of the City. Fire flow requirements will be established.

**TASK 5 - DETERMINE FUTURE DEMAND**

HANNA & BRUNETTI will identify future water needs based on projected land use and location of proposed development. New water pipeline extensions will be determined.

**TASK 6 - CAPACITY ANALYSIS**

HANNA & BRUNETTI will determine the capacity of the water distribution system, storage reservoirs, and well pumps. (Well/pump data to be provided by the City.) A pressure contour map will be developed as part of the analysis.

Tasks 4 - 6, above, will be performed using Haestad Methods software, "Cybernet, Version 2".

Task Order - Water MP  
Job No. 942380  
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**TASK 7 - DEVELOP RECOMMENDATIONS**

HANNA & BRUNETTI will perform the following:

- A. Prepare a capital improvement plan.
- B. Develop a preliminary cost estimate.
- C. Develop a staged plan to meet growth needs.
- D. Develop proposed mitigation fees for proposed capital improvements.
- E. Present findings to City staff.

**TASK 8 - PREPARE FINAL REPORT**

HANNA & BRUNETTI will perform the following:

- A. Evaluate City comments and develop recommended plan.
- B. Review recommendations with City staff.
- C. Prepare Water Master Plan report.

**EXTRA SERVICES NOT INCLUDED**

This TASK ORDER does not include the following tasks:

- 1. Aerial topography, including:
  - Aerial control surveys
  - Aerial topography manuscripts
  - Aerial topography plan sheets
- 2. Coordination with the City's design engineering consultant for the recent water well projects.
- 3. Coordination with the Monterey County, LAFCO, or State Agencies.
- 4. Preparation of EIR documents required by CEQA.

The above tasks will be performed on a time and materials basis per the Agreement or as a separate TASK ORDER, as requested by the City.

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Walter J. Hanna, Jr. P.E., L.S.  
Arnold Brunetti, P.E.

**TASK ORDER FOR JOB NO. 942381  
CITY OF SOLEDAD, CALIFORNIA  
and HANNA AND BRUNETTI  
AUTHORIZATION OF SERVICES**

**1. Purpose:**

The purpose of this TASK ORDER is to authorize and direct the ENGINEER to proceed with the work specific in Item 2 of this TASK ORDER, in accordance with the provisions of Article A and B of that AGREEMENT between the parties hereto dated July 1, 1994.

**2. Scope of Work:**

The work is designated "Special Projects" and is the sole responsibility and sole liability of HANNA AND BRUNETTI. The work authorized by this TASK ORDER is outlined in the "Scope of Services" attached hereto as Exhibit "A".

**3. Time of Performance:**

The work authorized by this TASK ORDER shall be completed within three (3) months from the date of execution of this TASK ORDER.

**4. Compensation and Payment:**

Compensation shall be on a lump sum basis as provided in Article D of the AGREEMENT. The total lump sum shall be \$27,000.00, which includes all labor and expenses, except reprographics expenses. Payment shall be in accordance with Article D of the aforementioned AGREEMENT.

**5. Effective Date:**

This TASK ORDER shall become effective immediately upon its execution by both parties.

**6. Incorporation**

All items and conditions contained in the ENGINEERING SERVICES AGREEMENT dated July 1, 1994 between the CITY OF SOLEDAD and HANNA AND BRUNETTI are incorporated herein by reference.

Executed this 15th day of November, 1995.

CITY OF SOLEDAD, a  
municipal corporation

HANNA AND BRUNETTI

By: Belinda B. Espinosa  
City Manager

By: Michael Parker  
Principal

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Task Order - Storm Drain MP  
 Job No. 942381  
 Page 2

**EXHIBIT "A"**  
**TASK ORDER FOR JOB NO. 942381**  
**SCOPE OF SERVICES**  
**STORM DRAIN MASTER PLAN**

This TASK ORDER studies the City's storm drain system, the findings will be summarized in a Storm Drain Master Plan (SDMP) report.

This TASK ORDER will include the following work:

**TASK 1 - MAPPING**

HANNA & BRUNETTI will prepare reproducible maps in scales and sizes to be determined with City staff.

**TASK 2 - DATA COLLECTION AND REVIEW**

HANNA & BRUNETTI will collect and review all available information, reports, maps, and data. Specific items which will be reviewed include land use plans, storm drain system maps, historical rainfall data, USGS and WRA maps, and existing record improvement plan data.

HANNA & BRUNETTI will perform field surveys of the existing storm drainage system manholes and drop inlets (catch basins) to verify pipe sizes & lengths, manhole rim and invert elevations. This information is necessary to develop an accurate computer model.

**TASK 3 - REVIEW LAND USE DATA**

HANNA & BRUNETTI will review land use data and perform the following:

- A. Establish drainage basins from review of existing mapping.
- B. Establish existing land use for each drainage basin.
- C. Determine future growth potential in residential, commercial, and industrial areas.
- D. Allocate growth to basins.
- E. In cooperation with the City's staff, determine new developments, including apartment complexes and industrial facilities.
- F. Assign growth phasing.
- G. Incorporate some elevation data from sewer system surveys performed by Hanna & Brunetti in 1994.
- H. Digitize base maps and land use data.
- I. Develop land use data base.

**TASK 4 - DEVELOP DESIGN FLOWS**

HANNA & BRUNETTI will perform the following:

- A. Determine existing 25 year design storm flow rates from basins.
- B. Allocate flows to basins by land use type and concentration.
- C. Calculate future 25 year design storm flows.
- D. Develop 25 year and 100 year design storm flows for each basin.

Note that wet weather flow monitoring should be performed by the City to determine the existing system capacities. If the City wants this work performed by a consultant, we can recommend subcontractors that will perform this service.

Task Order - Storm Drain MP  
 Job No. 942381  
 Page 3

**TASK 5 - COLLECTION SYSTEM ANALYSIS**

HANNA & BRUNETTI will perform the following :

- A. Develop a model for the main trunk system.
- B. Input flows to each basin.
- C. Route flows and compare with capacity.
- D. Determine pipe reaches with capacity problems.

**TASK 6 - DEVELOP RECOMMENDATIONS**

HANNA & BRUNETTI will perform the following using Engineering Data Systems software, "Storm Sewers, Version 12.0A":

- A. Prepare a capital improvement plan.
- B. Develop a preliminary cost estimate.
- C. Develop a staged plan to meet growth needs.
- D. Develop proposed mitigation fees for proposed capital improvements.
- E. Present findings to City staff.

**TASK 7 - PREPARE FINAL REPORT**

HANNA & BRUNETTI will perform the following:

- A. Evaluate City comments and develop recommended plan.
- B. Review recommendations with City staff.
- C. Prepare Storm Drain Master Plan report.

**EXTRA SERVICES NOT INCLUDED**

This TASK ORDER does not include the following tasks:

- 1. Aerial topography, including
  - Aerial control surveys
  - Aerial topography manuscripts
  - Aerial topography plan sheets
- 2. Coordination with the Monterey County, or LAFCO.
- 3. Preparation of EIR documents required by CEQA.
- 4. Flow monitoring services.

The above tasks will be performed on a time and materials basis per the Agreement or as a separate TASK ORDER, as requested by the City.

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