

**RESOLUTION NO. 2022- 2931**

**A RESOLUTION OF THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA, APPROVING A PROJECT AGREEMENT WITH 300 ENGINEERING GROUP, P.A. FOR MANHOLE REHABILITATION CONSTRUCTION ADMINISTRATION AND INSPECTION SERVICES PURSUANT TO THE CONTINUING SERVICES AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES; AUTHORIZING THE EXPENDITURE OF FUNDS; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, pursuant to Section 287.055, Florida Statutes (also known as the Consultants' Competitive Negotiation Act), the Town of Surfside (the "Town") has retained the services of 300 Engineering Group, P.A. (the "Consultant") for professional engineering services in accordance with the Request for Qualifications (RFQ) No. 2020-06 and the ensuing Continuing Services Agreement for such services executed by the parties on February 16, 2021 (the "CSA"); and

**WHEREAS**, in accordance with the provisions of the CSA, Consultant and the Town have agreed to enter into a specific Project Agreement (the "Project Agreement") for Consultant to provide Manhole Rehabilitation Construction Administration and Inspection Services (the "Services"); and

**WHEREAS**, the Project Agreement, attached hereto as Exhibit "A," provides for a scope of services detailing the Services to be provided by the Consultant, as well as a schedule for performance and compensation for the Services in an amount not to exceed \$48,773.25; and

**WHEREAS**, pursuant to the CSA, the Town Commission wishes to approve the Project Agreement, in substantially the form attached hereto as Exhibit "A", and authorize the expenditure of such funds; and

**WHEREAS**, the Town Commission finds that this Resolution is in the best interest and welfare of the Town.

**NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COMMISSION OF THE TOWN OF SURFSIDE, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals.** The above-stated recitals are true and correct and are incorporated herein by this reference.

**Section 2. Approval of Project Agreement.** The Project Agreement for the Services with the Consultant, in substantially the form attached hereto as Exhibit "A", is hereby approved.

**Section 3. Authorization; Expenditure of Funds.** The Town Manager is hereby authorized to execute the Project Agreement attached hereto as Exhibit "A" with the Consultant for the Services in an amount not to exceed \$48,773.25, in accordance with the CSA and subject to final approval by the Town Manager and Town Attorney as to form, content, and legal sufficiency.

**Section 4. Implementation.** The Town Manager and Town Officials are authorized to take any and all necessary action to implement the Project Agreement and the purposes of this Resolution.

**Section 5. Effective Date.** This Resolution shall become effective immediately upon adoption.

PASSED AND ADOPTED this 12th day of October, 2022.

Motion By: Commissioner Landsman  
Second By: Vice Mayor Rose

**FINAL VOTE ON ADOPTION:**

|                                |               |
|--------------------------------|---------------|
| Commissioner Fred Landsman     | <u>Yes</u>    |
| Commissioner Marianne Meisheid | <u>Absent</u> |
| Commissioner Nelly Velasquez   | <u>Absent</u> |
| Vice Mayor Jeffrey Rose        | <u>Yes</u>    |
| Mayor Shlomo Danzinger         | <u>Yes</u>    |

  
\_\_\_\_\_  
Shlomo Danzinger, Mayor

**ATTEST:**

  
\_\_\_\_\_  
Sandra McCreedy, MMC  
Town Clerk

**APPROVED AS TO FORM AND LEGALITY FOR THE USE  
AND BENEFIT OF THE TOWN OF SURFSIDE ONLY:**

  
\_\_\_\_\_  
Weiss Serota Helfman Cole & Bierman, P.L.  
Town Attorney

# **PROJECT AGREEMENT**

Between

**TOWN OF SURFSIDE, FL**

And

**300 Engineering Group, P.A.**

Project Name: Manhole Rehabilitation – Construction Administration & Inspection Services

## PROJECT AGREEMENT

Between

TOWN OF SURFSIDE, FL

And

300 Engineering Group, P.A.

Project Name: Manhole Rehabilitation – Construction Administration & Inspection Services

Subject to the provisions contained in the “Continuing Services Agreement for Professional Engineering Services” (hereinafter referred to as the “Continuing Services Agreement”) between the TOWN OF SURFSIDE, FL (hereinafter referred to as “Town”) and 300 ENGINEERING GROUP, P.A., a Florida corporation (hereinafter referred to as “Consultant”) dated February 16, 2021, which Continuing Services Agreement was competitively procured through Request For Qualifications (RFQ) No. 2020-06 in accordance with Section 287.955, Florida Statutes, this Project Agreement is made effective as of the \_\_\_\_ day of \_\_\_\_\_, 2022, and authorizes the Consultant to provide the services as set forth below:

### SECTION 1. SCOPE OF SERVICES

1.1 Consultant shall provide **MANHOLE REHABILITATION – CONSTRUCTION ADMINISTRATION & INSPECTION SERVICES** and complete the tasks that are identified and described in the Project Scope of Services and Schedule, attached hereto as Exhibit “1” for the Town (the “Services”).

1.2 The Town may request changes that would increase, decrease, or otherwise modify the scope of services outlined under the Project Scope of Services and Schedule, attached hereto as Exhibit “1.” Such changes must be contained in a written change order executed by the parties in accordance with the provisions of the Continuing Services Agreement, prior to any deviation from the terms of the Project Agreement, including the initiation of any extra work.

### SECTION 2. DELIVERABLES

2.1 As part of the scope of services and project schedule, the Consultant shall provide the Town the Deliverables identified in the Project Scope of Services and Schedule attached hereto as Exhibit “1.”

### SECTION 3. TERM/TIME OF PERFORMANCE/DAMAGE

3.1 Term. This Project Agreement shall commence on the date this instrument is fully executed by all parties and shall continue in full force and effect until terminated pursuant to Section 6 or other applicable provisions of this Project Agreement. The Town Manager, in his sole discretion, may extend the term of this Agreement through written notification to the Consultant. Such extension shall not exceed 90 days. No further extensions of this Agreement shall be effective unless authorized by the Town Manager.

3.2 Commencement. Services provided by the Consultant under this Project Agreement and the time frames applicable to this Project Agreement shall commence upon the date provided in a written Notice to Proceed (“Commencement Date”) provided to the Consultant by the Town. The Consultant shall not incur any expenses or obligations for payment to third parties prior to the issuance of the Notice to Proceed. Consultant must receive written notice from the Town Manager prior to the beginning the performance of services.

3.3 Contract Time. Upon receipt of the Notice to Proceed, the Consultant shall provide services to the Town on the Commencement Date, and shall continuously perform services to the Town, without interruption, in accordance with the time frames set forth in the "Scope of Services and Project Schedule", a copy of which is attached and incorporated into this Agreement as Exhibit "1". The number of calendar days from the Commencement Date, through the date set forth in the Project Schedule for completion of the Project or the date of actual completion of the Project, whichever shall last occur, shall constitute the Contract Time.

3.4 Time of the Essence. All limitations of time set forth in this Agreement are of the essence.

#### SECTION 4. AMOUNT, BASIS AND METHOD OF COMPENSATION

4.1 Compensation. Consultant shall be compensated for the provision of the Services in accordance with Exhibit "1" attached hereto. Consultant shall receive monthly payments based on Services or tasks completed in accordance with the hourly fee schedule outlined in the Project Scope of Services and Schedule, attached hereto as Exhibit "1," in the total amount not to exceed \$48,773.25.

4.2 Reimbursable Expenses. The following expenses are reimbursable and will be billed at actual cost to cover administrative processing: Travel and accommodations, long distance telephone calls, facsimile, courier services, mileage (at a rate approved by the Town), photo and reproduction services. All document reproductions are also reimbursable, at a rate approved by the Town.

#### SECTION 5. BILLING AND PAYMENTS

##### 5.1 Invoices

5.1.1. Compensation and Reimbursable Expenses. Consultant shall submit invoices which are identified by the specific project number on a monthly basis in a timely manner. These invoices shall identify the nature of the work performed, the phase of work, and the estimated percent of work accomplished in accordance with the Payment Schedule attached hereto as Exhibit "1", attached hereto and made part of this Agreement. Invoices for each phase shall not exceed amounts allocated to said phase plus reimbursable expenses accrued during each phase. The statement shall show a summary of fees with accrual of the total and credits for portions paid previously.

5.1.2. Florida Prompt Payment Act. The Town shall pay the Contractor in accordance with the Florida Prompt Payment Act after approval and acceptance of the Services by the Town Manager.

5.2 Disputed Invoices. In the event that all or a portion of an invoice submitted to the Town for payment to the Consultant is disputed, or additional backup documentation is required, the Town shall notify the Consultant within fifteen (15) working days of receipt of the invoice of such objection, modification or additional documentation request. The Consultant shall provide the Town within five (5) working days of the date of the Town's notice. The Town may request additional information, including but not limited to, all invoices, time records, expense records, accounting records, and payment records of the Consultant. The Town, at its sole discretion, may pay to the Consultant the undisputed portion of the invoice. The parties shall endeavor to resolve the dispute in a mutually agreeable fashion.

5.3 Suspension of Payment. In the event that the Town becomes credibly informed that any representations of the Consultant, provided pursuant to Subparagraph 5.1, are wholly or partially inaccurate, or in the event that the Consultant is not in compliance with any term or condition of this Project Agreement, the Town may withhold payment of sums then or in the future otherwise due to the Consultant until the inaccuracy, or other breach of Project Agreement, and the cause thereof, is corrected to the Owner's reasonable satisfaction.

5.4 Final Payment. Submission to the Consultant's invoice for final payment and reimbursement shall constitute the Consultant's representation to the Town that, upon receipt from the Town of the amount invoiced, all obligations of the Consultant to others, including its consultants, incurred in connection with the Project, shall be paid in full. The Consultant shall deliver to the Town all documents requested by the Town evidencing payments to any and all subcontractors, and all final specifications, plans, or other documents as dictated in the Scope of Services and Deliverable. Acceptance of final payment shall constitute a waiver of all claims against the Town by the Consultant.

## SECTION 6. TERMINATION/SUSPENSION

6.1 For Cause. This Agreement may be terminated by either party upon five (5) calendar days written notice to the other should such other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination. In the event that Consultant abandons this Agreement or causes it to be terminated by the Town, the Consultant shall indemnify the Town against any loss pertaining to this termination. In the event that the Consultant is terminated by the Town for cause and it is subsequently determined by a court by a court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a termination for convenience under Section 6.2 and the provision of Section 6.2 shall apply.

6.2 For Convenience. This Agreement may be terminated by the Town for convenience upon fourteen (14) calendar days' written notice to the Consultant. In the event of such termination a termination, the Consultant shall incur no further obligations in connections with the Project and shall, to the extent possible terminate any outstanding subconsultant obligation. The Consultant shall be compensated for all services performed to the satisfaction of the Town and reimbursable expenses incurred prior the date of termination. In such event, the Consultant shall promptly submit to the Town its invoice for final payment and reimbursement which invoice shall comply with the provisions of Section 5.1. Under no circumstances shall the Town make payment of profit to the Consultant for services which have not been performed.

6.3 Assignment upon Termination. Upon termination of this Project Agreement, a copy of all work product of the Consultant shall become the property of the Town and the Consultant shall within ten (10) working days of receipt of written direction from the Town, transfer to either the Town or its authorized designee, a copy of all work product in its possession, including but not limited to designs, specifications, drawings, studies, reports and all other documents and data in the possession of the Consultant pertaining to this Project Agreement. Upon the Town's request, the Consultant shall additionally assign its rights, title and interest under any subcontractor's agreements to the Town.

6.4 Suspension for Convenience. The Town shall have the right at any time to direct the Consultant to suspend its performance, or any designated part thereof, for any reason whatsoever, or without reason, for a cumulative period of up to thirty (30) calendar days. If any such suspension is directed by the Town the Consultant shall immediately comply with same. In the event the Town directs a suspension of performance as provided herein, through no fault of the Consultant, the Town shall pay the Consultant as full compensation for such suspension the Consultant's reasonable cost, actually incurred and paid, of demobilization and remobilization.

[THE REST OF THIS PAGE INTENTIONALLY LEFT BLANK. SIGNATURE PAGE FOLLOWS.]

IN WITNESS WHEREOF, the parties hereto have caused this Project Agreement to be executed the day and year as first stated above

**TOWN:**

ATTEST:

TOWN OF SURFSIDE, FLORIDA, a  
Florida Municipal Corporation

\_\_\_\_\_  
TOWN CLERK

By: \_\_\_\_\_  
Andrew Hyatt, Town Manager

Date: \_\_\_\_\_

APPROVED AS TO FORM AND LEGAL  
SUFFICIENCY:

\_\_\_\_\_  
TOWN ATTORNEY

**CONSULTANT:**

300 Engineering Group, P.A., a Florida corporation

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

WITNESSES:

\_\_\_\_\_  
Print Name: \_\_\_\_\_

\_\_\_\_\_  
Print Name: \_\_\_\_\_



**EXHIBIT "1"**

**PROJECT SCOPE OF SERVICES AND SCHEDULE AND  
PAYMENT SCHEDULE**

**Town of Surfside**

**RFQ No 2020-06**

**Task # 5**

**Manhole Rehabilitation – Construction Administration &  
Inspection Services**

**SCOPE OF WORK**

**September 9, 2022**

**Town of Surfside**  
Public Works Department  
9293 Harding Avenue  
Surfside, FL 33154  
Attn: Hector Gomez  
Public Works Director



Prepared by:

**300 Engineering Group, P.A.**  
2222 Ponce de Leon Blvd, Suite 300  
Coral Gables, Florida 33134  
305-602-4602



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## Town of Surfside

### RFQ 2020-06

#### Task # 5

#### Manhole Rehabilitation – Construction Administration & Inspection Services

### SCOPE OF WORK

#### INTRODUCTION

300 Engineering Group, P.A. (300 Engineering) has entered into a continuing services agreement with the Town of Surfside (Town) to provide professional engineering services under the RFQ 2020-06.

The following task is being proposed under this scope of services:

- Task #5 - "Manhole Rehabilitation – Construction Administration & Inspection Services"

#### DESCRIPTION OF SERVICES

Manhole structures are susceptible to aging and deteriorating, threatening the integrity of the entire sanitary system. 300 Engineering has identified 49 manholes within the Town which require rehabilitation.

The current task describes the scope of services and the responsibilities of 300 Engineering regarding the Construction Administration and Inspection (CA&I) services for quality control monitoring during the Sewer Manholes Rehabilitation course of construction. Appendix B displays the Sewer Manholes to be rehabilitated.

Task #6 - "Manhole Rehabilitation – Construction Administration & Inspection Services" has been divided into the following subtasks:

| Subtask | Description   |
|---------|---|
| 100     | Project Management Services & Coordination Meetings |
| 200     | Sewer Manhole Rehabilitation Support Services       |
| 300     | Contingency Allowance                               |

#### 100 PROJECT MANAGEMENT SERVICES & COORDINATION MEETINGS

300 Engineering will provide project management services for this project as follows:

- 300 Engineering will provide general oversight of the project including management of 300 Engineering Staff

- Monthly Progress Reports will be prepared each month and issued to the Town with monthly invoice. Monthly Progress Report will include the following information:
  - Overall status of the task
  - Work performed during the course of the month
  - Estimated completion of task and major subtasks
  - Current challenges or issues
- Preparation and attendance to kick-off meeting, to be held either at the Town's offices or via online teleconference, with representatives from the Town. The purpose of this meeting will be to allow key project personnel and the Town staff to confirm objectives of this task authorization, review the schedule, discuss planned execution of the project, and identify additional background information to be provided by the Town.
- Attendance to pre-work conferences for Task 200. A total of one (1) Pre-work conference has been budgeted
- 300 Engineering will attend coordination meetings with the Town and RER/DERM. Meetings will be conducted monthly through the completion of the project. 300 Engineering staff will attend the meetings at the Town's facilities in person or by online teleconference. For the purpose of estimating the level of effort, two (2) coordination meetings have been budgeted
- For each meeting conducted under this task authorization, 300 Engineering will prepare an agenda, summarize the meeting discussion, and prepare meeting minutes

**Deliverables**

- Project Schedule (One (1) baseline schedule)
- Monthly Progress Report
- Meeting agenda and meeting minutes for each meeting (A total of three (3) meetings have been estimated for the purpose of this subtask)

**200 SEWER MANHOLE REHABILITATION SUPPORT SERVICES**

300 Engineering will consult with and advise the Town and act as its representative during the Manhole repairs identified and performed within the Towns Sanitary Sewer Collection System.

300 Engineering will not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) (unless otherwise specified in the Construction Contract Documents) or the safety precautions and programs associated with the work of Contractor(s).

**210 Procurement Support Services**

300 Engineering will assist the Town in acquiring and reviewing an appropriate piggy-back contract for Manhole Rehabilitation:

- Review of Contract Specifications
- Preparation & Coordination of Contractor Work Orders
- Pre-construction kick-off Meeting
- Provide technical support through the Contract Agreement Process

**220 Construction Administration & Support Services**

300 Engineering will act as the Town's representative to oversee the Contractor(s) duties during the Sewer Manholes Rehabilitation process, on a periodic basis. 300 Engineering will not be

responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) (unless otherwise specified in the Construction Contract Documents) or the safety precautions and programs associated with the work of Contractor(s).

300 Engineering will make periodic site visit(s) at the various stages of construction to inspect, as an experienced and qualified professional, the progress and quality of the executed work of Contractor(s), and to determine if such work is proceeding in accordance with the Construction Contract Documents.

300 Engineering's efforts will be directed toward providing a greater degree of confidence for the Town that the completed work of Contractor(s) will conform to the Construction Contract Documents. 300 Engineering will provide Construction Quality Control Services during the course of construction to assure that the overall technical correctness of the construction phase services and that specified procedures are being followed.

300 Engineering will provide technical oversight and on-site observation of contractor's repair procedures to better assure the Town that rehabilitation occurs according to project Technical Specifications.

### **230 Contractor's Request for Payment**

300 Engineering will review the Contractor's Request for payment and provide recommendations for payment to NBV. Once all sewer system cleaning and evaluation is completed, 300 Engineering will coordinate the submittal of all required documentation to NBV and final payment recommendation.

#### **Deliverables:**

- Updated Database & Rehabilitation Tracking Dashboard
- Field Inspection Log(s)
- Daily Inspection Reports with daily material quantities usage reported by the Contractor
- Sewer Manholes Rehabilitation Progress Report(s)
- MH Rehabilitation Report Signed & Sealed (in electronic format)
- Update of GIS Manhole Layer depicting rehabilitated MHs

## **300 CONTINGENCY ALLOWANCE FOR ADDITIONAL SERVICES**

This allowance is for items not identified in the original scope but associated with the project. 300 Engineering will provide "Additional Services" not addressed in this Scope of Services as requested and authorized by the Town. This allowance may cover items such as additional meetings and/or additional coordination not covered, public involvement or other items as directed by the Town. The use of this allowance will only be allowed after written approval from the Town.

## **SCHEDULE**

300 Engineering will perform the services identified this Scope of Work within three (3) months of the written Notice to Proceed.

## COMPENSATION

The services described within Subtasks 100 and 200 will be performed on a lump sum fee basis whereas the services performed under Subtask 300 will be performed on a Time & Materials Basis, as per the fee summary shown below.

Please refer to Appendix A for fee details.

| Subtask & Description                                     | Amount             | Method of Payment |
|---|--------------------|-------------------|
| 100 – Project Management Services & Coordination Meetings | \$ 4,843.75        | Lump Sum          |
| 200 – Sewer Manhole Rehabilitation Support Services       | \$33,015.75        | Lump Sum          |
| 300 - Contingency Allowance                               | \$10,913.75        | Time & Materials  |
| <b>Total</b>  | <b>\$48,773.25</b> |                   |

Subtask deliverables will be as detailed in the proposed Scope of Work. Invoicing will be submitted along with the Monthly Status Report on a monthly basis.

## ASSUMPTIONS

This Scope of Work and deliverables are based on the following assumptions:

- Town shall provide access to sites
- Requested information being made available by Town
- Town staff will be available to conduct meetings, as necessary
- 300 Engineering will not perform confined entry under this scope of work
- 300 Engineering will not perform surveying services under this scope of work
- 300 Engineering will not perform any sewer repairs, such as laterals replacement, main lines repairs, etc.
- 300 Engineering will not replace clean-outs or rain dishes as part of this Scope of Work
- Identification of other utilities is not included as part of this Scope of Work
- The following tasks are not included in this Scope of Work:
  - Manhole Inspection: Entry into the interior of the manhole for sake of condition inspection is not included in this scope of work
  - Maintaining Sanitary Sewer Services: Planning, permitting and implementation of a bypass pumping system that maintains uninterrupted sanitary sewer service throughout construction
  - Traffic Control: Planning, permitting, installation and maintenance of traffic control methods requested by the Town
- 300 Engineering will not be responsible for the failure of Contractor(s) to perform the work in accordance with the Construction Contract Documents
- Non-Solicitation of Employees and Independent Contractors and Covenant Not to Hire. The Town agrees that they will not, directly or indirectly, initiate efforts aimed at the hiring of 300 Engineering's employees or independent contractors or solicit, hire, employ, recruit, 300 Engineering's employees or independent contractors, without the prior written approval of 300 Engineering's until after three (3) years from the effective date of this Agreement

- In consideration of this proposal, access to data and information sources is made available to 300 Engineering. 300 Engineering shall comply fully with all security procedures and shall not divulge to third parties all confidential Data Information obtained from the Town, in the course of performing consulting engineering work, including, but not limited to, security procedures, business operations information or proprietary information in the possession of the Town. 300 Engineering shall not be required to keep confidential information or material that is publicly available through no fault of the Consultant, material that the Consultant developed independently without relying on the State's or Customer's confidential information, or material that is otherwise obtainable under State Law as a public record.





**APPENDIX A**  
**Proposed Fee Schedule**



**Town of Surfside**  
**Manhole Rehabilitation – Construction Administration & Inspection Services**  
**Task # 5**  
**Proposed Fee Schedule**  
**Appendix A**

|   | Principal       | Project Manager   | Senior Engineering/QA-QC | GIS Technician    | Project Engineer   | Senior Construction Inspector | Total Hours   | Subtotal           |
|---|-----------------|-------------------|--------------------------|-------------------|--------------------|-------------------------------|---------------|--------------------|
| <b>Rate, \$/Hr</b>                                      | \$275.75        | \$194.00          | \$225.00                 | \$75.00           | \$140.00           | \$135.00                      |               |                    |
| <b>Task</b>   |                 |                   |                          |                   |                    |                               |               |                    |
| 100 Project Management Services & Coordination Meetings | 1               | 12                | 0                        | 0                 | 16                 | 0                             | 29            | \$4,843.75         |
| 200 Sewer Manhole Rehabilitation Support Services       | 1               | 20                | 24                       | 28                | 60                 | 96                            | 229           | \$33,015.75        |
| 300 Contingency Allowance for Additional Services       | 1               | 12                | 4                        | 0                 | 24                 | 30                            | 71            | \$10,913.75        |
|   |                 |                   |                          |                   |                    |                               |               |                    |
| <b>Total (Hours)</b>                                    | <b>3</b>        | <b>44</b>         | <b>28</b>                | <b>28</b>         | <b>100</b>         | <b>126</b>                    | <b>329</b>    |                    |
| <b>Sub-Total Labor Fee</b>                              |                 |                   |                          |                   |                    |                               |               | <b>\$48,773.25</b> |
| <b>ODC's (Mileage, Reproduction &amp; Reimbursable)</b> |                 |                   |                          |                   |                    |                               |               | <b>\$0.00</b>      |
| <b>Sub-Total Labor Fee/ODC</b>                          |                 |                   |                          |                   |                    |                               |               | <b>\$48,773.25</b> |
| <b>Total Project Cost (Labor/ODC)</b>                   |                 |                   |                          |                   |                    |                               |               | <b>\$48,773.25</b> |
| <b>% Utilization</b>                                    | 0.91%           | 13.37%            | 8.51%                    | 8.51%             | 30.40%             | 38.30%                        | 100.00%       |                    |
| <b>Total (\$)</b>                                       | <b>\$827.25</b> | <b>\$8,536.00</b> | <b>\$6,300.00</b>        | <b>\$2,100.00</b> | <b>\$14,000.00</b> | <b>\$17,010.00</b>            | <b>\$0.00</b> | <b>\$48,773.25</b> |



## **APPENDIX B**

### **Sewer Manholes to be Rehabilitated**

## **Section 1**

Manholes Recommended for Rehabilitation Map

### **Basin 1**

**Legend**

- Town of Surfside Boundary
- MHs to be Rehabilitated (Basin 1) (23)
- Minor Rehabilitation (Basin 1) (7)



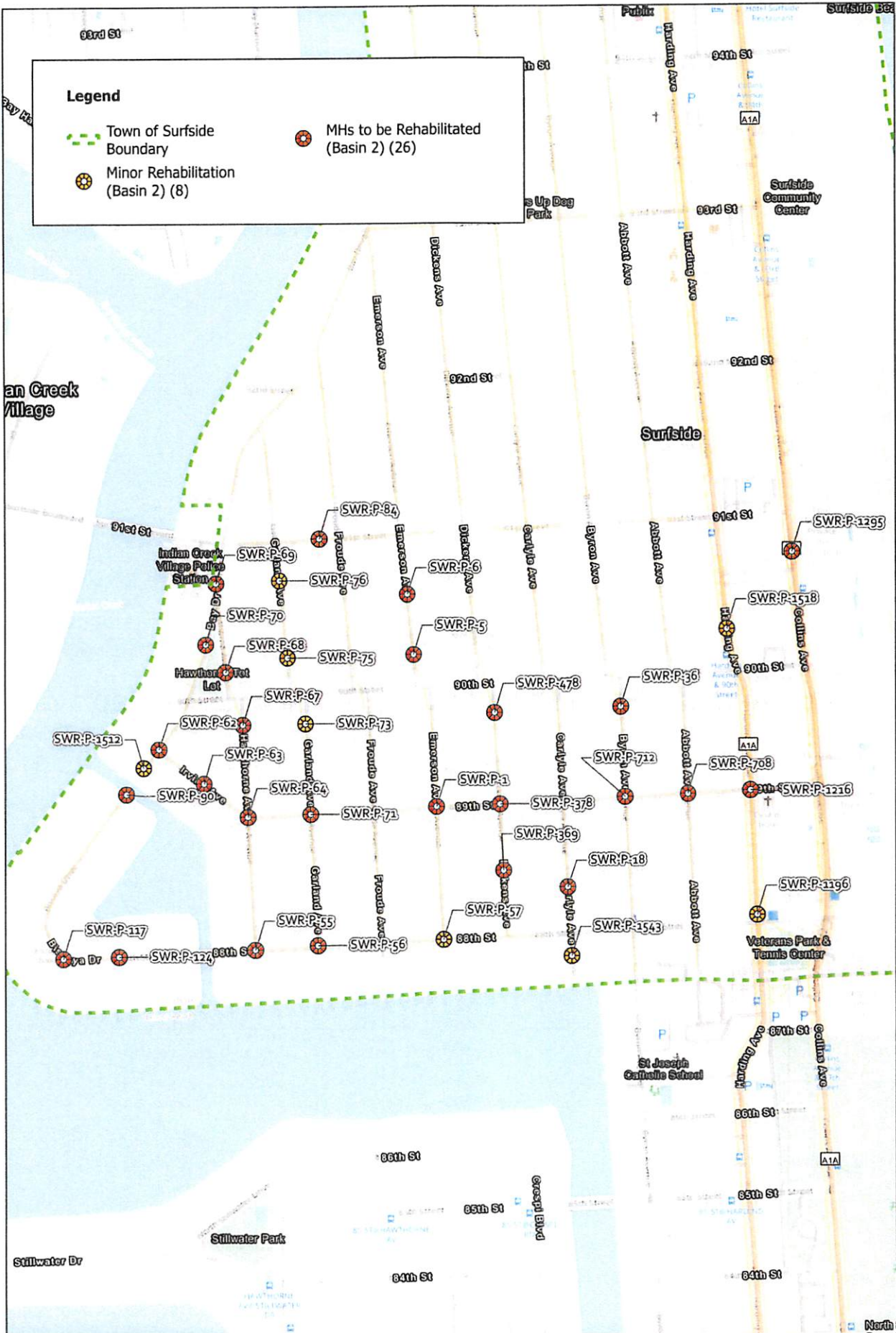
Town of Surfside  
Sanitary Sewer Manhole Inspection  
SSES Third Cycle



## **Section 1**

Manholes Recommended for Rehabilitation Map

## **Basin 2**



**Legend**

- Town of Surfside Boundary
- Minor Rehabilitation (Basin 2) (8)
- MHS to be Rehabilitated (Basin 2) (26)



Town of Surfside  
Sanitary Sewer Manhole Inspection  
SSES Third Cycle



## **Section 2**

### **Manholes Recommended for Rehabilitation**

#### **Summary Table**

#### **Basin 1**



**Town of Surfside**  
**Sewer Manhole Inspection Reporting Table**  
**Summary of Deteriorated Manholes and Recommendations**

| ASSET ID   | RAIN DISH (YES/NO) | COVER CONDITION | EVIDENCE I/I | ROOT INTRUSION | STRUCTURAL CRACKS DEFECTS | PIPE SEALS | MH BASE CONDITION | OBSTRUCTIONS FLOWCHANNEL | COMMENTS/RECOMMENDATIONS   | PICTURE LINK         |
|------------|--------------------|-----------------|--------------|----------------|---------------------------|------------|-------------------|--------------------------|--|----------------------|
| SWR-P-8    | Yes                | Sound           | Minor        | None           | Moderate                  | Minor Gaps | Moderate          | None                     | See cracks around MH chimney. Requires cleaning and rehab, check I/I.  | <a href="#">Link</a> |
| SWR-P-9    | Yes                | Sound           | Moderate     | None           | Major                     | Minor Gaps | Poor              | None                     | See cracks around MH walls, poor MH base condition, possible I/I presence.   | <a href="#">Link</a> |
| SWR-P-11   | Yes                | Sound           | Major        | None           | Moderate                  | Tight      | Poor              | None                     | Presence of I/I. Cracks around MH walls. Requires cleaning and rehab.  | <a href="#">Link</a> |
| SWR-P-16   | Yes                | Sound           | Minor        | None           | Moderate                  | Minor Gaps | Moderate          | None                     | Presence of I/I reaches to above top of pipe. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-29   | Yes                | Sound           | None         | None           | Minor                     | Minor Gaps | Moderate          | None                     | See cracks around MH chimney. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-30   | Yes                | Sound           | None         | None           | None                      | Tight      | Poor              | None                     | See MH Base poor condition. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-44   | No                 | Corroded        | Moderate     | None           | Minor                     | Tight      | Good              | None                     | Exposed brick on manhole wall, grease accumulation, manhole wall seems to be eroding. See cracks around MH chimney. Clean surcharge and rehab I/I. | <a href="#">Link</a> |
| SWR-P-50   | Yes                | Sound           | Moderate     | None           | None                      | Tight      | Moderate          | None                     | Evidence of I/I reaches to above top of pipe. Clean surcharge and rehab I/I.   | <a href="#">Link</a> |
| SWR-P-61   | Yes                | Sound           | Moderate     | None           | Major                     | Minor Gaps | Poor              | None                     | Structural crack defects, presence of I/I, flowchannel obstruction due to structural defects.  | <a href="#">Link</a> |
| SWR-P-77   | Yes                | Sound           | Moderate     | None           | Moderate                  | Tight      | Moderate          | None                     | Evidence of I/I reaches to above top of pipe. Requires cleaning and rehab. Possible I/I from bench area.   | <a href="#">Link</a> |
| SWR-P-421  | Yes                | Sound           | None         | None           | Minor                     | Tight      | Moderate          | Structural Defect        | See cracks around MH chimney. Some structural pieces due to cracking in invert causing obstruction. Requires cleaning and rehab.                   | <a href="#">Link</a> |
| SWR-P-529  | Yes                | Corroded        | Major        | None           | Major                     | Minor Gaps | Poor              | Structural Defect        | Structural crack defects, presence of I/I, flowchannel obstruction due to structural defects.  | <a href="#">Link</a> |
| SWR-P-655  | Yes                | Sound           | Minor        | None           | Moderate                  | Tight      | Poor              | Structural Defect        | See invert deformation.  | <a href="#">Link</a> |
| SWR-P-824  | Yes                | Sound           | None         | None           | Minor                     | Tight      | Good              | None                     | See cracks around MH chimney. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-1050 | Yes                | Sound           | Moderate     | None           | None                      | Tight      | Moderate          | None                     | Evidence of I/I can be seen at edges of MH. Requires cleaning and rehab.   | <a href="#">Link</a> |

**Town of Surfside**  
**Sewer Manhole Inspection Reporting Table**  
**Summary of Deteriorated Manholes and Recommendations**

| ASSET ID   | RAIN DISH (YES/NO) | COVER CONDITION       | EVIDENCE I/I | ROOT INTRUSION | STRUCTURAL CRACKS DEFECTS | PIPE SEALS | MH BASE CONDITION | OBSTRUCTIONS FLOWCHANNEL | COMMENTS/RECOMMENDATIONS   | PICTURE LINK         |
|------------|--------------------|-----------------------|--------------|----------------|---------------------------|------------|-------------------|--------------------------|--|----------------------|
| SWR-P-1181 | Yes                | Sound                 | None         | Minor          | Moderate                  | Tight      | Good              | None                     | Root intrusion, manhole walls are deteriorated.  | <a href="#">Link</a> |
| SWR-P-1296 | Yes                | Sound                 | Major        | None           | Major                     | Minor Gaps | Poor              | Structural Defect        | See multiple cracks/holes MH base.   | <a href="#">Link</a> |
| SWR-P-1304 | Yes                | Sound                 | None         | None           | Minor                     | Tight      | Moderate          | None                     | See cracks around MH chimney. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-1508 | No                 | Sound                 | Minor        | None           | Minor                     | Tight      | Moderate          | None                     | Evidence of I/I reaches to above top of pipe. Requires cleaning and rehab.                                     | <a href="#">Link</a> |
| SWR-P-1509 | Yes                | Sound                 | Moderate     | None           | None                      | Tight      | Moderate          | None                     | Evidence of I/I reaches to above top of pipe. Requires cleaning and rehab.                                     | <a href="#">Link</a> |
| SWR-P-1513 | Yes                | Sound                 | None         | None           | Moderate                  | Tight      | Moderate          | None                     | See cracks around MH chimney. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-1529 | Yes                | Sound                 | Moderate     | None           | None                      | Tight      | Good              | None                     | See possible I/I presence. Requires cleaning and rehab.  | <a href="#">Link</a> |
| SWR-P-1548 | Yes                | Sound                 | None         | None           | None                      | Tight      | Moderate          | None                     | Review possible brick exposure on invert. Requires cleaning and rehab. asphalt cracking around rim.            | <a href="#">Link</a> |
| SWR-P-33   | Yes                | Corroded <sup>2</sup> | None         | None           | None                      | Tight      | Good              | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-1515 | Yes                | Corroded <sup>2</sup> | None         | None           | None                      | Tight      | Good              | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-1531 | Yes                | Corroded <sup>2</sup> | None         | None           | None                      | Tight      | Moderate          | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-1540 | Yes                | Corroded <sup>2</sup> | None         | None           | None                      | Tight      | Good              | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-1544 | Yes                | Corroded <sup>2</sup> | None         | None           | None                      | Tight      | Moderate          | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-656  | No <sup>1</sup>    | Sound                 | Minor        | None           | None                      | Tight      | Poor              | None                     | Large amounts of grease accumulated, causing obstruction. Only needs cleaning. Missing Raindish.               | <a href="#">Link</a> |
| SWR-P-1524 | No <sup>1</sup>    | Sound                 | None         | None           | None                      | Tight      | Good              | None                     | Existing sewer manhole covered by asphalt. Contractor is to excavate manhole & adjust grade. Missing Raindish. | <a href="#">Link</a> |

<sup>1</sup>Manhole in good conditions, although is missing the raindish  
<sup>2</sup>Manhole in good conditions, although with a defective cover

## **Section 2**

### **Manholes Recommended for Rehabilitation**

#### **Summary Table**

#### **Basin 2**

**Town of Surfside**  
**Sewer Manhole Inspection Reporting Table**  
**Summary of Deteriorated Manholes and Recommendations**

| ASSET ID | RAIN DISH (YES/NO) | COVER CONDITION | EVIDENCE I/I | ROOT INTRUSION | STRUCTURAL CRACKS DEFECTS | PIPE SEALS | MH BASE CONDITION | OBSTRUCTIONS FLOWCHANNEL | COMMENTS/RECOMMENDATIONS   | PICTURE LINK         |
|----------|--------------------|-----------------|--------------|----------------|---------------------------|------------|-------------------|--------------------------|--|----------------------|
| SWR-P-1  | Yes                | Sound           | None         | None           | Moderate                  | Tight      | Moderate          | None                     | Requires cleaning and rehab. Bricks Exposed.   | <a href="#">Link</a> |
| SWR-P-5  | Yes                | Sound           | Moderate     | None           | None                      | Tight      | Poor              | Structural Defect        | See MH Base for possible I/I. Possible Structural Defect in Outlet.                              | <a href="#">Link</a> |
| SWR-P-6  | Yes                | Sound           | None         | None           | Minor                     | Tight      | Good              | None                     | See cracks around MH chimney. Requires cleaning and rehab.                                       | <a href="#">Link</a> |
| SWR-P-18 | Yes                | Sound           | None         | None           | Minor                     | Tight      | Good              | None                     | See cracks around MH chimney. Requires cleaning and rehab.                                       | <a href="#">Link</a> |
| SWR-P-36 | Yes                | Sound           | None         | None           | Minor                     | Tight      | Good              | None                     | Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-55 | Yes                | Sound           | None         | None           | None                      | Tight      | Poor              | Structural Defect        | <Null>   | <a href="#">Link</a> |
| SWR-P-56 | Yes                | Sound           | None         | None           | Moderate                  | Tight      | Moderate          | None                     | Structure is cracked, brick exposed. Clean surcharge and rehab I/I.                              | <a href="#">Link</a> |
| SWR-P-62 | Yes                | Sound           | Major        | None           | Major                     | Tight      | Poor              | None                     | Check Infiltration in picture  | <a href="#">Link</a> |
| SWR-P-63 | Yes                | Sound           | Major        | None           | Major                     | Major Gaps | Poor              | None                     | See major base structural defects, possible presence of I/I (white spots), very poor conditions. | <a href="#">Link</a> |
| SWR-P-64 | Yes                | Sound           | None         | None           | Moderate                  | Major Gaps | Poor              | Structural Defect        | <Null>   | <a href="#">Link</a> |
| SWR-P-67 | Yes                | Sound           | Moderate     | None           | None                      | Tight      | Poor              | None                     | Requires cleaning and rehab. Possible I/I .  | <a href="#">Link</a> |
| SWR-P-68 | Yes                | Sound           | Moderate     | None           | None                      | Tight      | Good              | None                     | Requires cleaning and rehab. Possible I/I .  | <a href="#">Link</a> |
| SWR-P-69 | Yes                | Sound           | None         | None           | None                      | Tight      | Good              | None                     | Requires cleaning and rehab. Manhole step is corroded, requires attention.                       | <a href="#">Link</a> |
| SWR-P-70 | Yes                | Sound           | None         | None           | None                      | Tight      | Good              | None                     | Requires cleaning and rehab. Manhole step is corroded, requires attention.                       | <a href="#">Link</a> |
| SWR-P-71 | Yes                | Sound           | Moderate     | None           | Minor                     | Tight      | Moderate          | None                     | See white spots on walls, possible I/I. See MH Base shape, not symmetrical. TBD                  | <a href="#">Link</a> |

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| ASSET ID   | RAIN DISH (YES/NO) | COVER CONDITION       | EVIDENCE I/I | ROOT INTRUSION | STRUCTURAL CRACKS DEFECTS | PIPE SEALS | MH BASE CONDITION | OBSTRUCTIONS FLOWCHANNEL | COMMENTS/RECOMMENDATIONS   | PICTURE LINK         |
|------------|--------------------|-----------------------|--------------|----------------|---------------------------|------------|-------------------|--------------------------|--|----------------------|
| SWR-P-84   | Yes                | Sound                 | None         | None           | None                      | Tight      | Moderate          | None                     | See MH Base. Possible cracks. TBD. Requires rehab, check for I/I on bench area. Step needs to be removed for safety. | <a href="#">Link</a> |
| SWR-P-90   | Yes                | Sound                 | None         | None           | None                      | Tight      | Good              | None                     | Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-117  | Yes                | Sound                 | None         | None           | None                      | Minor Gaps | Good              | None                     | See small crack on Inlet A Pipe Seal. Requires cleaning and rehab. Possible I/I from bench area.                     | <a href="#">Link</a> |
| SWR-P-124  | Yes                | Sound                 | Minor        | None           | None                      | Tight      | Good              | None                     | White spots on walls might be resulting of I/I. TBD. Requires cleaning and rehab.                                    | <a href="#">Link</a> |
| SWR-P-369  | Yes                | Sound                 | None         | None           | Minor                     | Tight      | Good              | None                     | See MH Chimney cracks. Requires cleaning and rehab.  | <a href="#">Link</a> |
| SWR-P-378  | Yes                | Sound                 | Minor        | None           | None                      | Tight      | Moderate          | None                     | Review for possible presence of I/I. Requires cleaning and rehab.  | <a href="#">Link</a> |
| SWR-P-478  | Yes                | Sound                 | None         | None           | Minor                     | Tight      | Good              | None                     | Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-708  | Yes                | Sound                 | Moderate     | None           | None                      | Tight      | Good              | None                     | Requires cleaning and rehab for I/I  | <a href="#">Link</a> |
| SWR-P-712  | Yes                | Sound                 | Minor        | None           | Minor                     | Tight      | Moderate          | None                     | Requires cleaning and rehab for I/I  | <a href="#">Link</a> |
| SWR-P-1216 | Yes                | Sound                 | Minor        | None           | Minor                     | Tight      | Moderate          | None                     | Manhole wall slightly worn down, exposing brick. Requires cleaning and rehab.  | <a href="#">Link</a> |
| SWR-P-1295 | Yes                | Sound                 | Moderate     | None           | Moderate                  | Tight      | Good              | None                     | See cracks around MH chimney. Requires cleaning and rehab.   | <a href="#">Link</a> |
| SWR-P-1518 | Yes                | Corroded <sup>1</sup> | None         | None           | None                      | Tight      | Good              | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-1196 | Yes                | Cracked <sup>2</sup>  | None         | None           | None                      | Tight      | Good              | None                     | See cover condition  | <a href="#">Link</a> |
| SWR-P-57   | No <sup>1</sup>    | Sound                 | None         | None           | None                      | Tight      | Good              | None                     | Missing Raindish   | <a href="#">Link</a> |
| SWR-P-73   | No <sup>1</sup>    | Sound                 | None         | None           | None                      | Tight      | Good              | None                     | Missing Raindish   | <a href="#">Link</a> |

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|------------|--------------------|-----------------|--------------|----------------|---------------------------|------------|-------------------|--------------------------|--------------------------|----------------------|
| SWR-P-75   | No <sup>1</sup>    | Sound           | None         | None           | None                      | Tight      | Moderate          | None                     | Missing Raindish         | <a href="#">Link</a> |
| SWR-P-76   | No <sup>1</sup>    | Sound           | None         | None           | None                      | Tight      | Moderate          | None                     | Missing Raindish         | <a href="#">Link</a> |
| SWR-P-1512 | No <sup>1</sup>    | Sound           | None         | None           | None                      | Tight      | Good              | None                     | Missing Raindish         | <a href="#">Link</a> |
| SWR-P-1543 | No <sup>1</sup>    | Sound           | None         | None           | None                      | Tight      | Good              | None                     | Missing Raindish         | <a href="#">Link</a> |

<sup>1</sup>Manhole in good conditions, although is missing the raindish  
<sup>2</sup>Manhole in good conditions, although with a defective cover